

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120300.D
 Acq On : 14 May 2020 19:38
 Operator : MA/SJ
 Sample : L2605-04MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 239997MS

Manual Integrations
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mohammad
 5/18/2020 1:32:02 PM

Quant Time: May 15 03:43:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	398436	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	1574115	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	793989	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1437031	20.00	ng	0.00
76) Chrysene-d12	13.79	240	771835	20.00	ng	0.00
87) Perylene-d12	15.17	264	760437	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	1915495	93.54	ng	0.01
7) Phenol-d6	6.29	99	2350097	90.75	ng	0.00
23) Nitrobenzene-d5	7.20	82	1502795	65.36	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	576390	89.03	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	2700169	69.87	ng	0.00
79) Terphenyl-d14	12.73	244	2569456	73.55	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.29	88	364251	44.716	ng	99
3) Pyridine	2.96	79	838898	32.761	ng	99
4) n-Nitrosodimethylamine	2.92	42	419426	41.832	ng	98
6) Aniline	6.29	93	723620	21.850	ng	# 84
8) 2-Chlorophenol	6.42	128	994638	41.658	ng	95
9) Benzaldehyde	6.17	77	640279	40.108	ng	99
10) Phenol	6.30	94	1227749	40.614	ng	# 76
11) bis(2-Chloroethyl)ether	6.37	93	994164	41.171	ng	100
12) 1,3-Dichlorobenzene	6.56	146	977772	38.271	ng	98
13) 1,4-Dichlorobenzene	6.64	146	1014268	38.545	ng	99
14) 1,2-Dichlorobenzene	6.79	146	900456	38.000	ng	99
15) Benzyl Alcohol	6.78	79	754699	41.022	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.91	45	1468078	38.578	ng	87
17) 2-Methylphenol	6.90	107	775449	38.472	ng	95
18) Hexachloroethane	7.13	117	375084	37.417	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	670967	39.549	ng	97
20) 3+4-Methylphenols	7.06	107	1017863	38.841	ng	96
22) Acetophenone	7.05	105	1341958	41.614	ng	99
24) Nitrobenzene	7.22	77	1006407	40.674	ng	100
25) Isophorone	7.46	82	1917376	40.081	ng	100
26) 2-Nitrophenol	7.53	139	550350	42.529	ng	99
27) 2,4-Dimethylphenol	7.58	122	841444	44.699	ng	95
28) bis(2-Chloroethoxy)methane	7.67	93	1245659	41.428	ng	99
29) 2,4-Dichlorophenol	7.78	162	798149	41.283	ng	98
30) 1,2,4-Trichlorobenzene	7.85	180	849214	39.637	ng	98
31) Naphthalene	7.93	128	2765405	41.626	ng	100
32) Benzoic acid	7.75	122	592637	48.030	ng	99
33) 4-Chloroaniline	7.99	127	327985	10.833	ng	99
34) Hexachlorobutadiene	8.05	225	471235	38.054	ng	97
35) Caprolactam	8.37	113	253166m	40.026	ng	
36) 4-Chloro-3-methylphenol	8.49	107	853947	40.830	ng	97
37) 2-Methylnaphthalene	8.62	142	1836326	40.392	ng	99
38) 1-Methylnaphthalene	8.72	142	1769936	40.140	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.79	216	810570	40.486	ng	99

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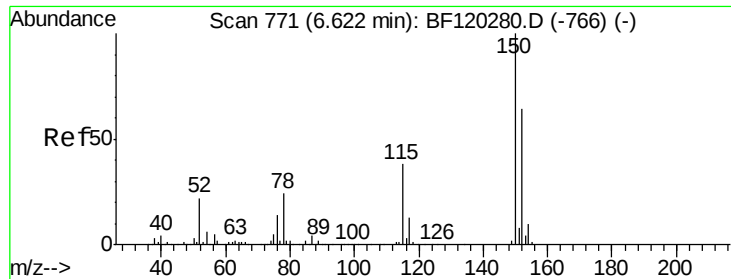
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.77	237	609514	74.316	nq	99
43) 2,4,6-Trichlorophenol	8.91	196	547597	40.747	nq	99
44) 2,4,5-Trichlorophenol	8.96	196	592711	38.404	nq	99
46) 1,1'-Biphenyl	9.09	154	2185016	42.001	nq	98
47) 2-Chloronaphthalene	9.12	162	1662188	39.832	nq	99
48) 2-Nitroaniline	9.22	65	595470	39.109	nq	96
49) Acenaphthylene	9.53	152	2567766	40.282	nq	100
50) Dimethylphthalate	9.40	163	2366541	47.150	nq	99
51) 2,6-Dinitrotoluene	9.46	165	436105	38.930	nq	98
52) Acenaphthene	9.70	154	1513481	39.610	nq	100
53) 3-Nitroaniline	9.63	138	246414	18.446	nq	100
54) 2,4-Dinitrophenol	9.75	184	351277	66.431	nq	96
55) Dibenzofuran	9.87	168	2170884	39.454	nq	98
56) 4-Nitrophenol	9.83	139	541134	75.388	nq	99
57) 2,4-Dinitrotoluene	9.87	165	507361	38.610	nq	98
58) Fluorene	10.22	166	1700744	40.586	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.00	232	460936	39.686	nq	98
60) Diethylphthalate	10.10	149	1923602	39.698	nq	99
61) 4-Chlorophenyl-phenylether	10.21	204	821226	37.693	nq	93
62) 4-Nitroaniline	10.25	138	374467	30.103	nq	98
63) Azobenzene	10.37	77	1861527	40.648	nq	98
65) 4,6-Dinitro-2-methylphenol	10.28	198	272762	37.532	nq	94
66) n-Nitrosodiphenylamine	10.33	169	1590173	39.998	nq	100
67) 4-Bromophenyl-phenylether	10.69	248	515250	36.950	nq	98
68) Hexachlorobenzene	10.76	284	545505	37.393	nq	# 93
69) Atrazine	10.86	200	434101	36.491	nq	99
70) Pentachlorophenol	10.96	266	504145	81.253	nq	99
71) Phenanthrene	11.17	178	2545086	42.148	nq	99
72) Anthracene	11.23	178	2563273	39.652	nq	100
73) Carbazole	11.39	167	2284313	37.820	nq	99
74) Di-n-butylphthalate	11.72	149	2990992	41.089	nq	100
75) Fluoranthene	12.36	202	2805782	43.352	nq	99
77) Benzidine	12.49	184	1046942	46.450	nq	97
78) Pyrene	12.59	202	2721761	49.465	nq	99
80) Butylbenzylphthalate	13.21	149	1146961	44.267	nq	98
81) Benzo(a)anthracene	13.77	228	1758760	43.203	nq	99
82) 3,3'-Dichlorobenzidine	13.74	252	499776	32.578	nq	98
83) Chrysene	13.82	228	1831491	41.897	nq	99
84) Bis(2-ethylhexyl)phthalate	13.77	149	1466335	45.487	nq	99
85) Di-n-octyl phthalate	14.39	149	2439476	42.065	nq	99
86) Indeno(1,2,3-cd)pyrene	16.51	276	1836033	46.277	nq	99
88) Benzo(b)fluoranthene	14.79	252	1799685	43.335	nq	98
89) Benzo(k)fluoranthene	14.82	252	1426786	39.655	nq	99
90) Benzo(a)pyrene	15.12	252	1536415	41.252	nq	100
91) Dibenzo(a,h)anthracene	16.52	278	1482597	44.934	nq	99
92) Benzo(g,h,i)perylene	16.91	276	1591009	47.818	nq	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

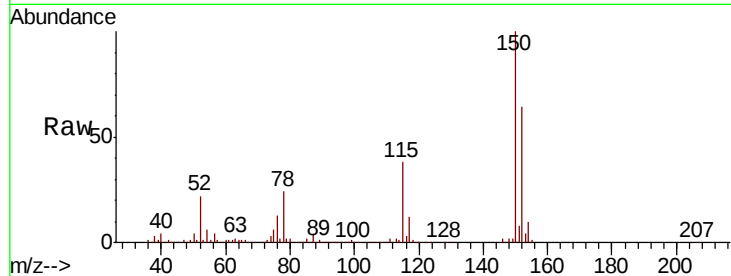
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
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ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	58.9	47.9	71.9

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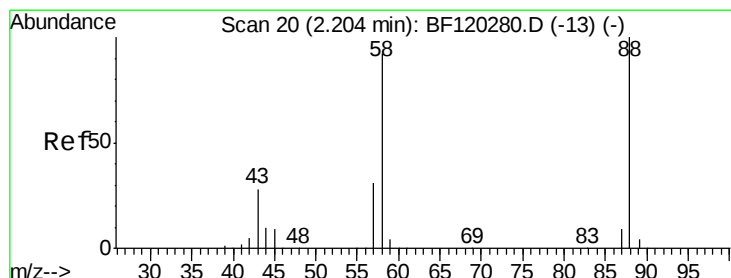
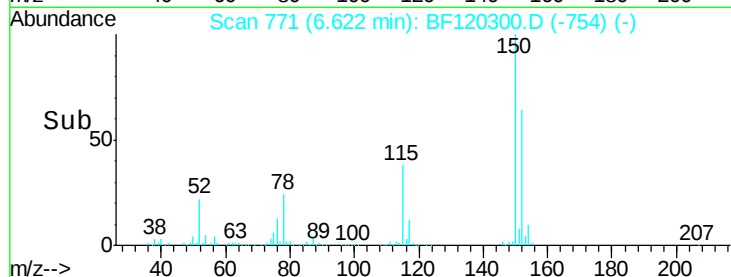
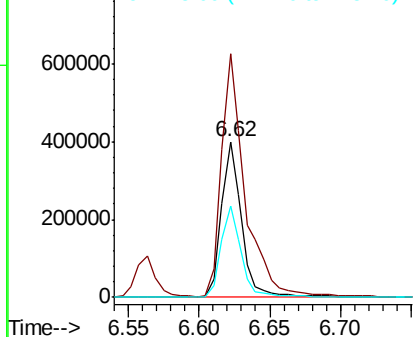


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

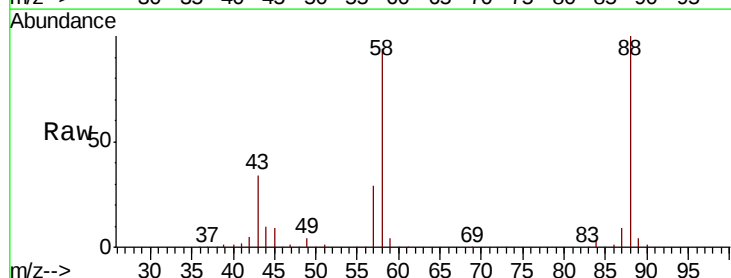
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 44.716 ng
RT: 2.29 min Scan# 35
Delta R.T. 0.09 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.4	75.8	113.6
43	30.9	23.6	35.4

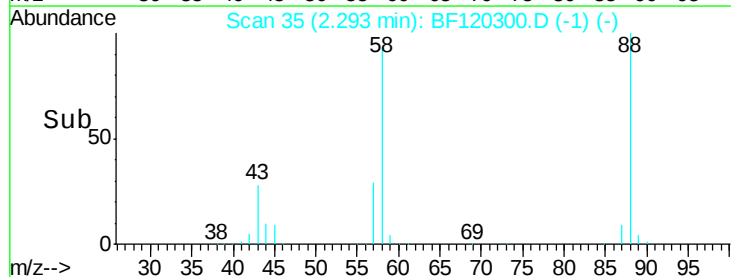
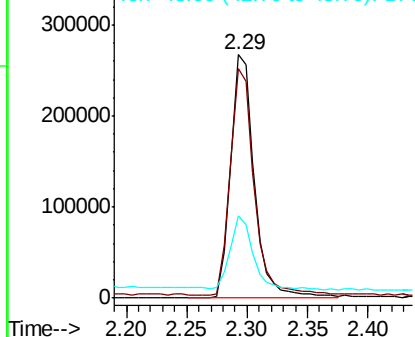


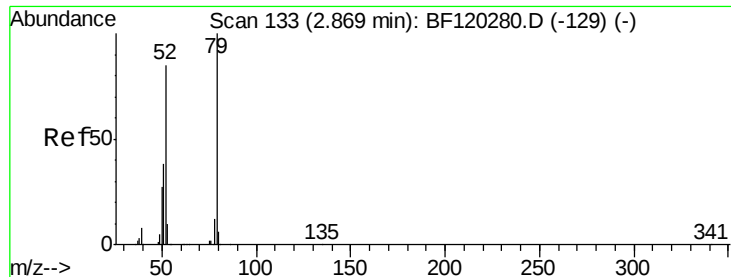
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 32.761 ng

RT: 2.96 min Scan# 148

Delta R.T. 0.09 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

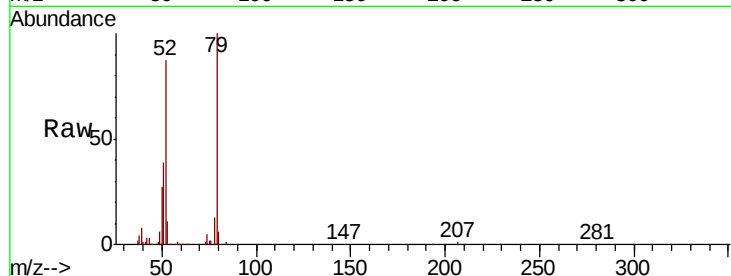
ClientSampleId :

239997MS

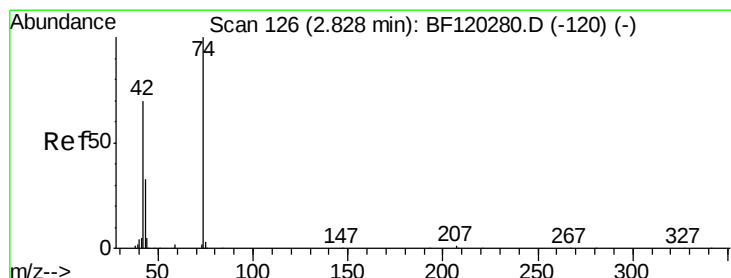
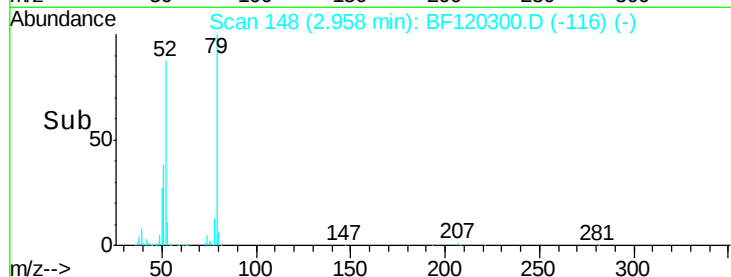
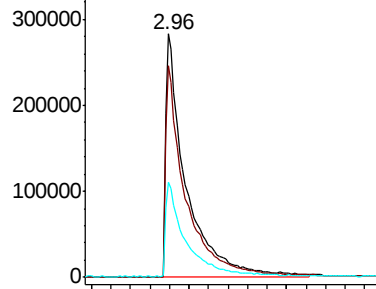
Tot Ion:	79	Resp:	838898
Ion	Ratio	Lower	Upper
79	100		
52	87.1	68.4	102.6
51	38.9	31.0	46.4

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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.832 ng

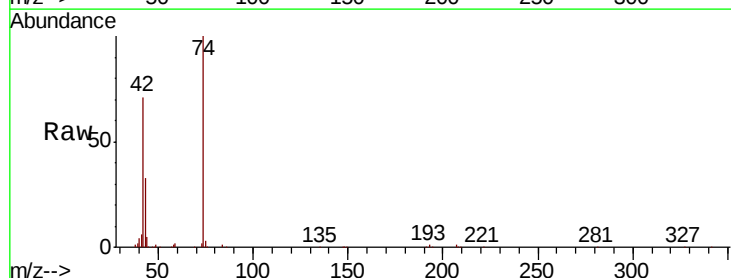
RT: 2.92 min Scan# 142

Delta R.T. 0.09 min

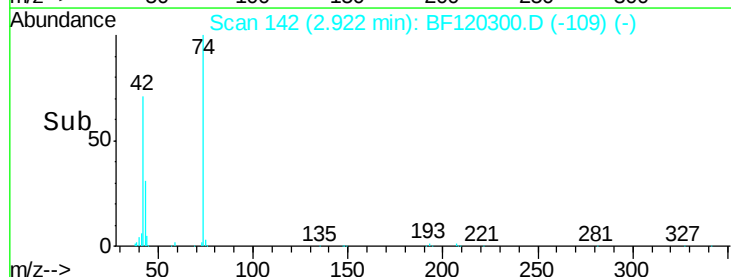
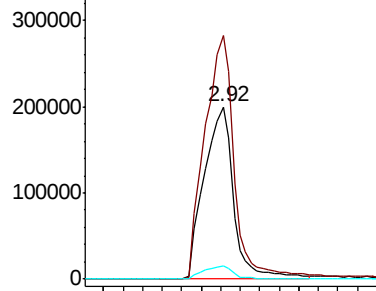
Lab File: BF120300.D

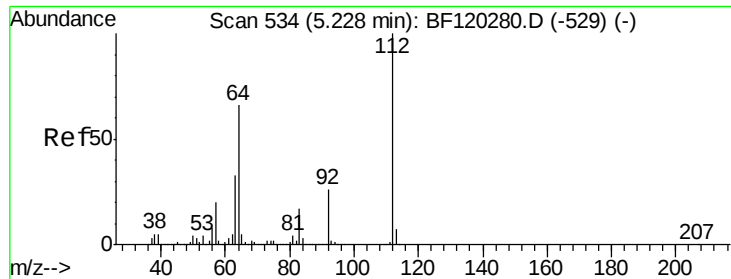
Acq: 14 May 2020 19:38

Tgt Ion:	42	Resp:	419426
Ion	Ratio	Lower	Upper
42	100		
74	141.1	114.8	172.2
44	7.4	5.6	8.4



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 93.540 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:112 Resp: 1915495

Ion Ratio Lower Upper

112 100

64 69.9 52.7 79.1

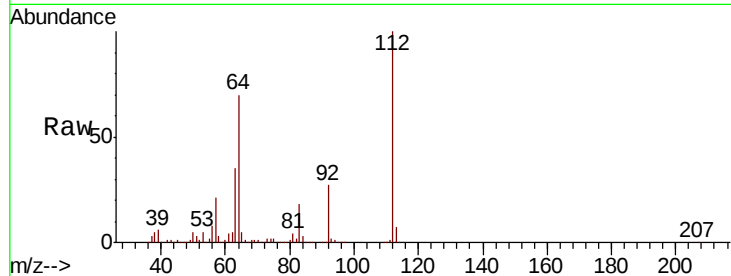
63 35.1 26.2 39.4

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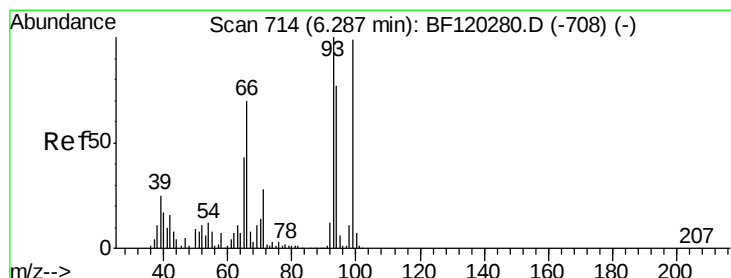
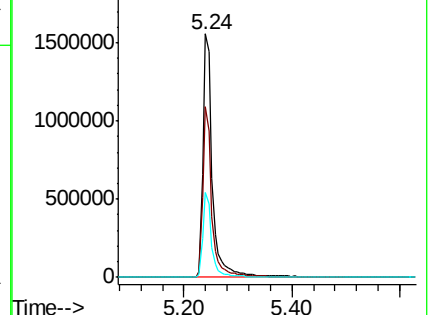
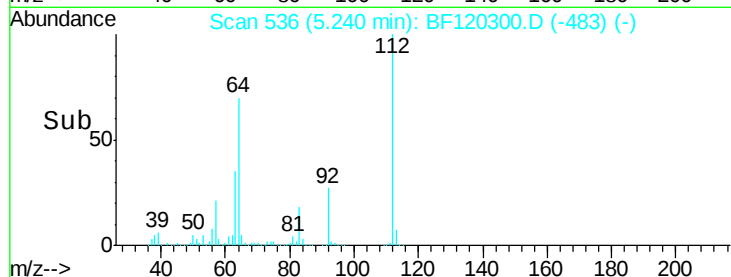
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 21.850 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

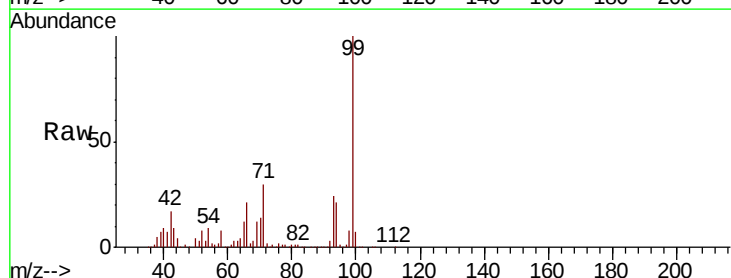
Tgt Ion: 93 Resp: 723620

Ion Ratio Lower Upper

93 100

66 86.8 56.2 84.4#

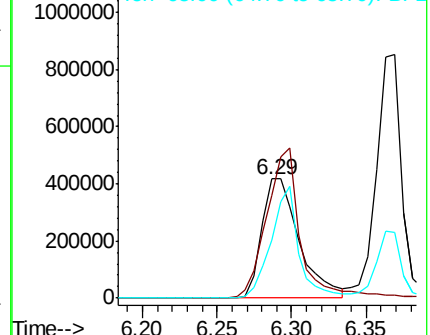
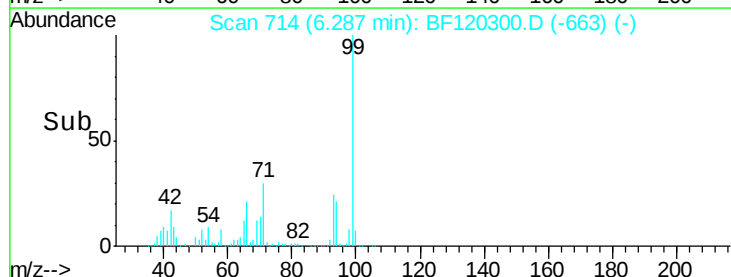
65 49.2 34.2 51.2

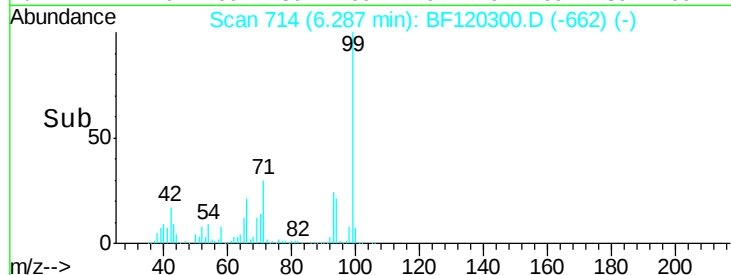
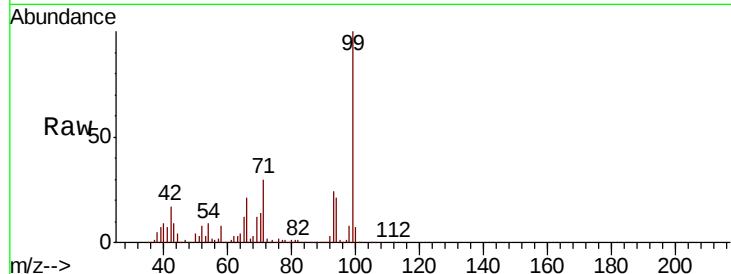
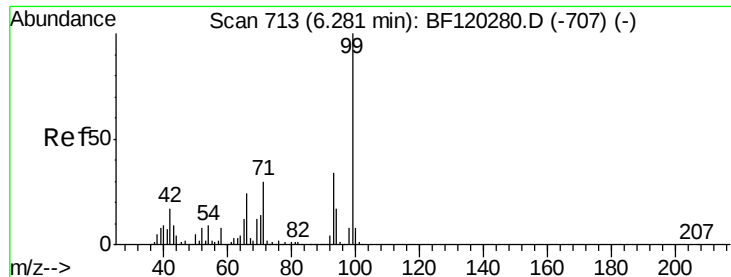


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 90.751 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Tot Ion: 99 Resp: 2350097

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

71 30.2 24.2 36.4

Instrument :

BNA_F

ClientSampleId :

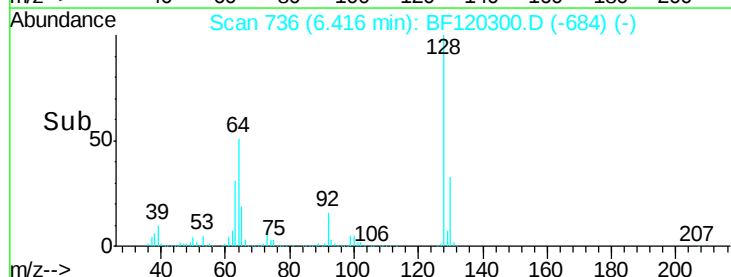
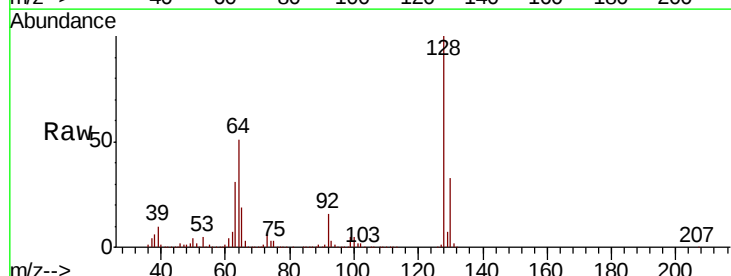
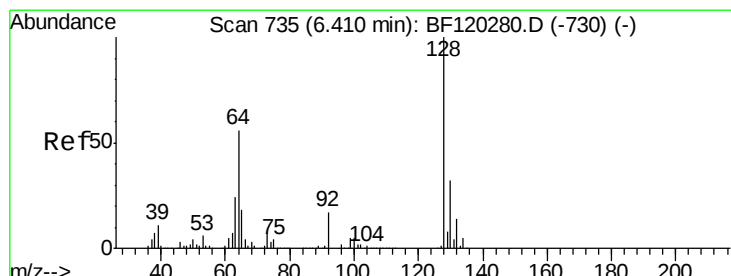
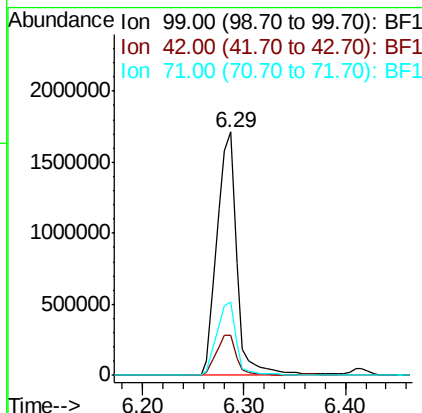
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#8

2-Chlorophenol

Concen: 41.658 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

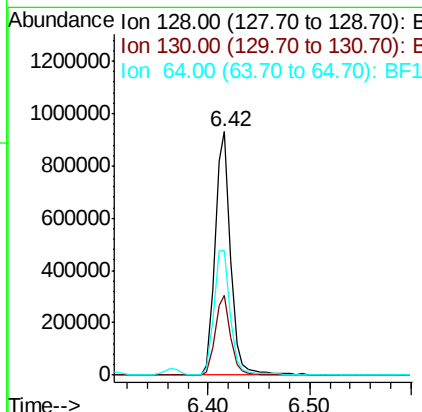
Tgt Ion: 128 Resp: 994638

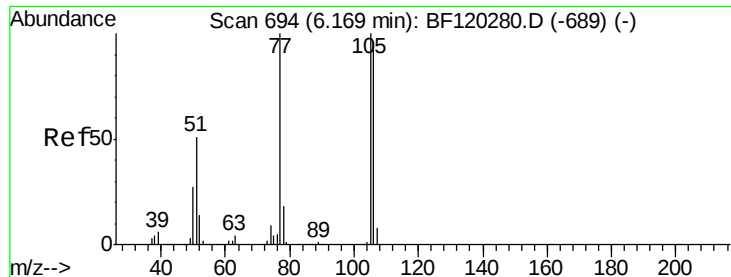
Ion Ratio Lower Upper

128 100

130 32.7 12.4 52.4

64 51.3 36.7 76.7





#9

Benzaldehyde

Concen: 40.108 ng

RT: 6.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

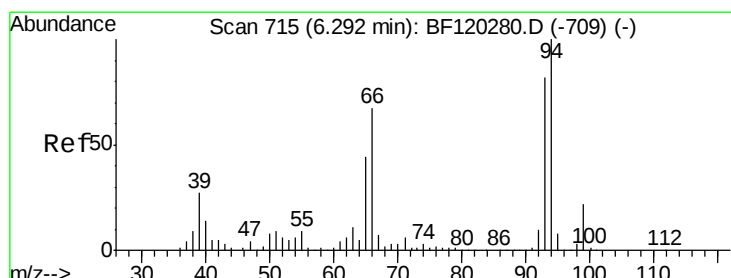
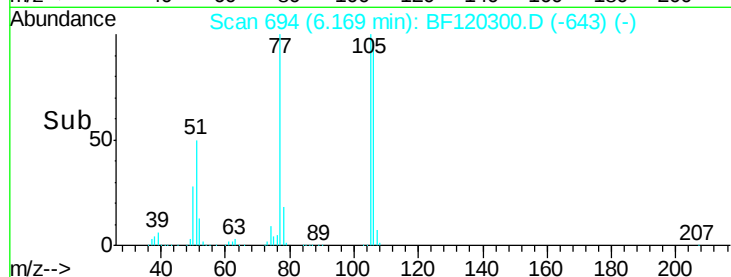
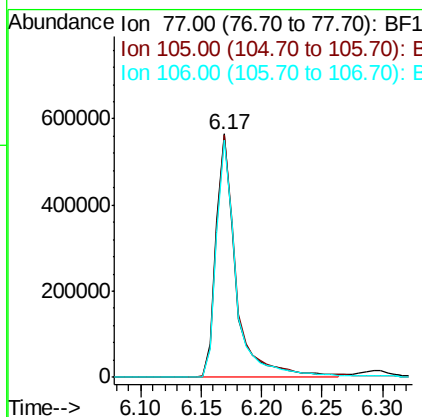
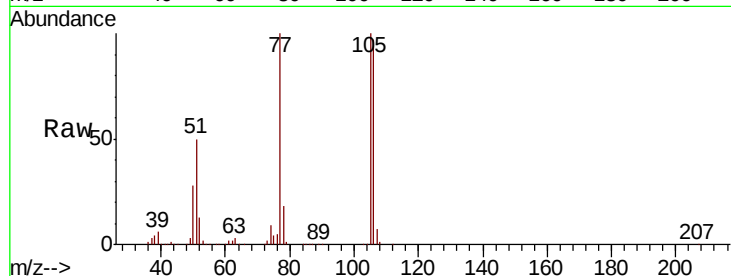
ClientSampleId :

239997MS

Tot Ion	77	Resp	640279
Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.9	119.9
106	97.4	75.7	115.7

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#10

Phenol

Concen: 40.614 ng

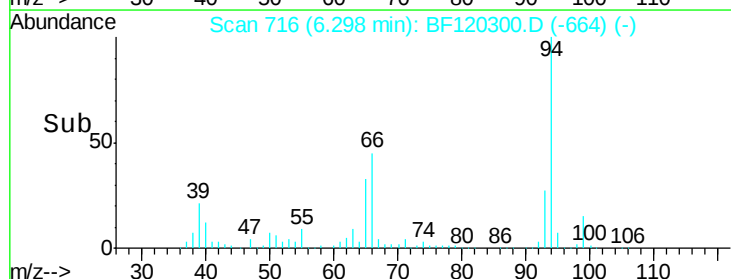
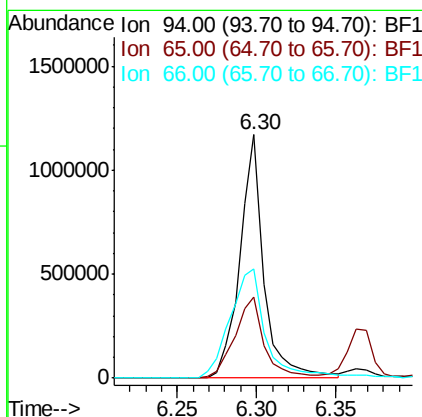
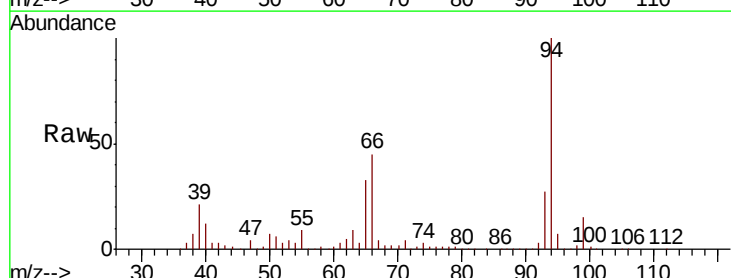
RT: 6.30 min Scan# 716

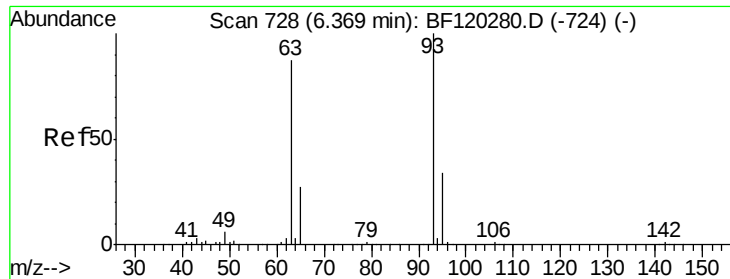
Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Tgt Ion	94	Resp	1227749
Ion	Ratio	Lower	Upper
94	100		
65	33.3	24.1	64.1
66	44.8	47.5	87.5#





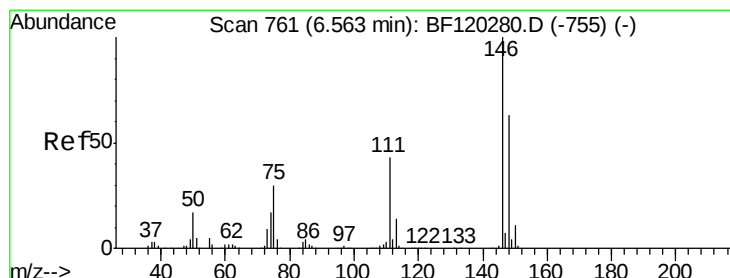
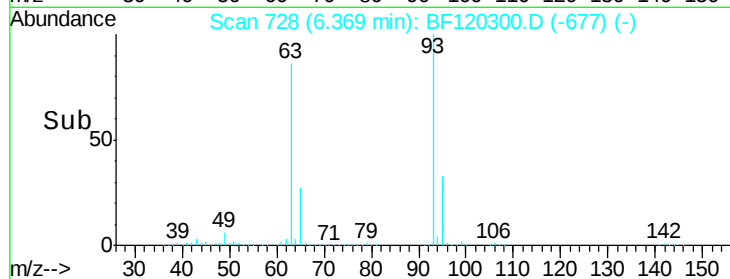
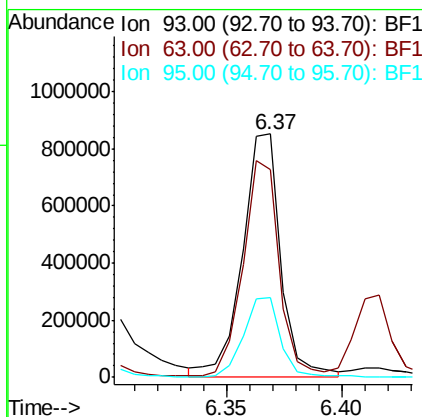
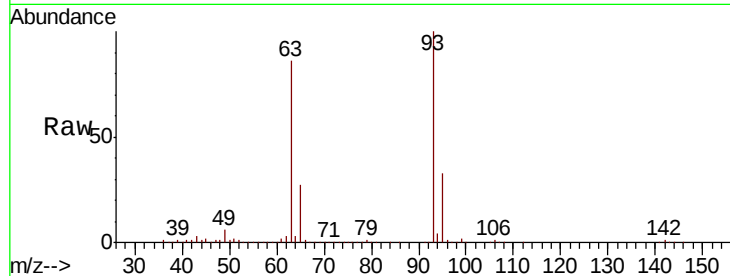
#11
bis(2-Chloroethyl)ether
Concen: 41.171 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	85.6	65.4	105.4
95	32.7	12.9	52.9

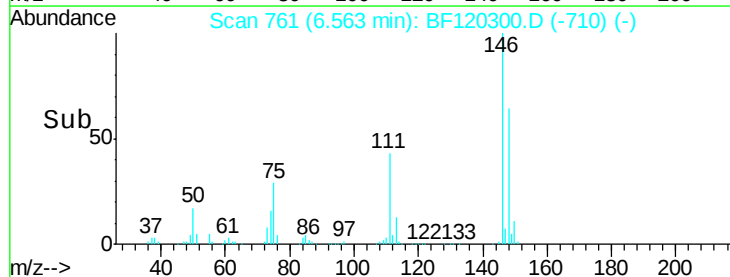
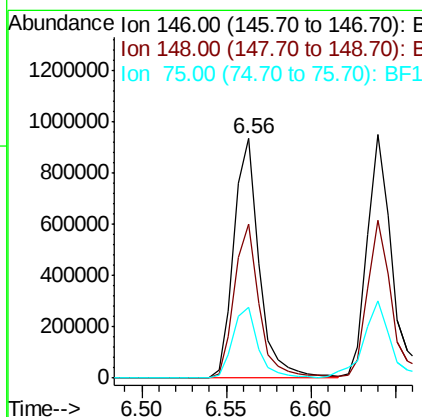
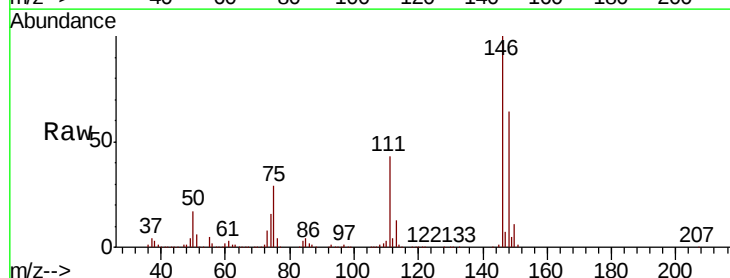
Manual Integrations
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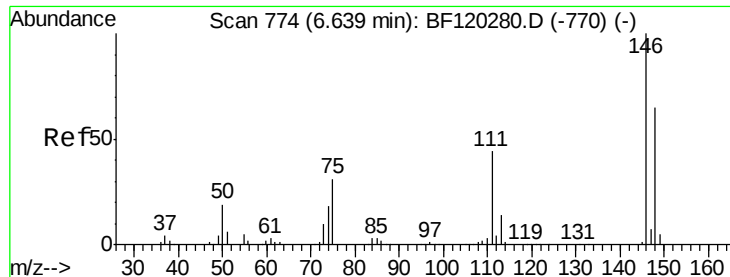
mohammad
5/18/2020 1:32:02 PM



#12
1,3-Dichlorobenzene
Concen: 38.271 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.5	75.7
75	29.5	24.2	36.4





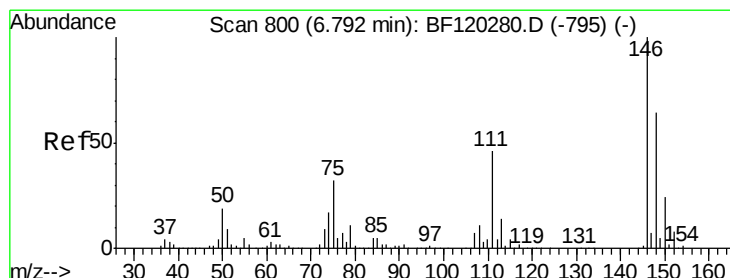
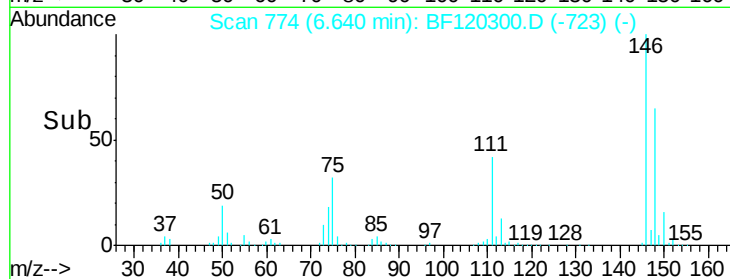
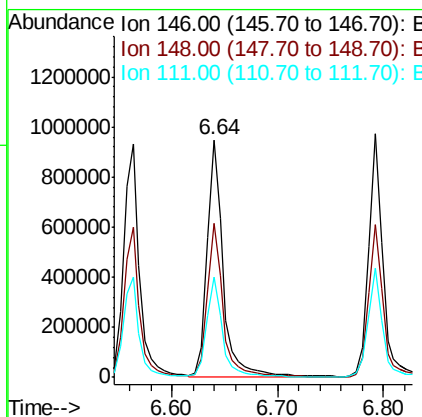
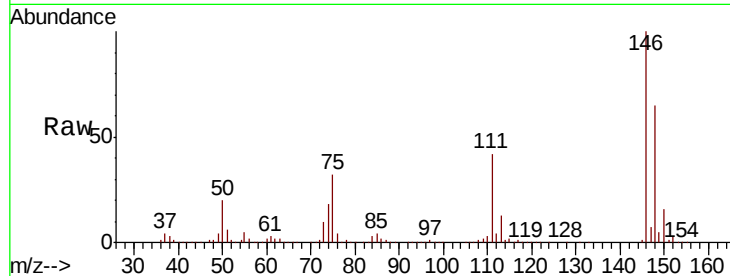
#13
 1,4-Dichlorobenzene
 Concen: 38.545 ng
 RT: 6.64 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.6	77.4
111	42.4	35.1	52.7

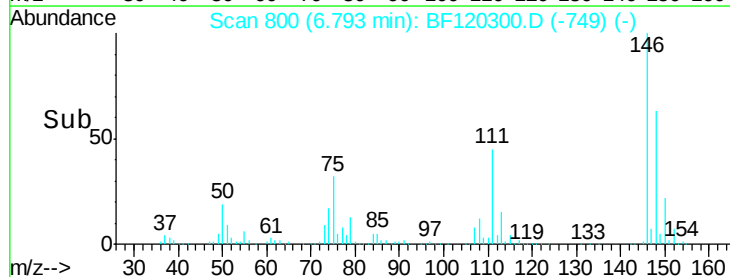
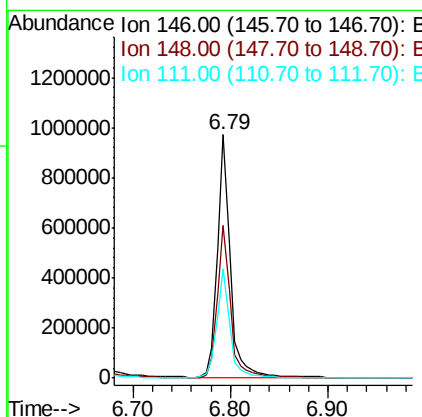
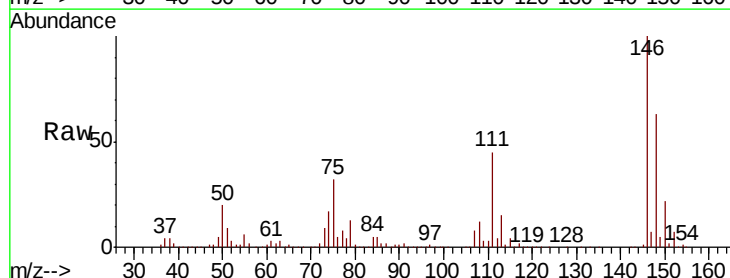
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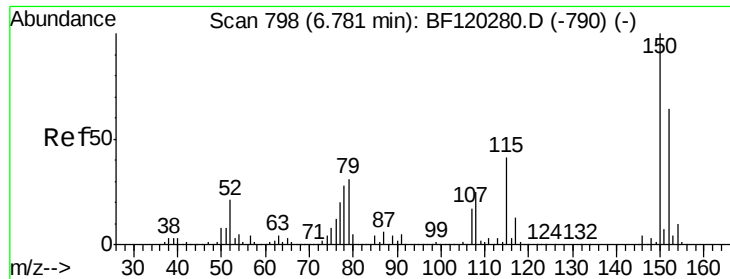
mohammad
 5/18/2020 1:32:02 PM



#14
 1,2-Dichlorobenzene
 Concen: 38.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.1	76.7
111	45.0	36.6	55.0





#15

Benzyl Alcohol

Concen: 41.022 ng

RT: 6.78 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampled :

239997MS

Tot Ion: 79 Resp: 754699

Ion Ratio Lower Upper

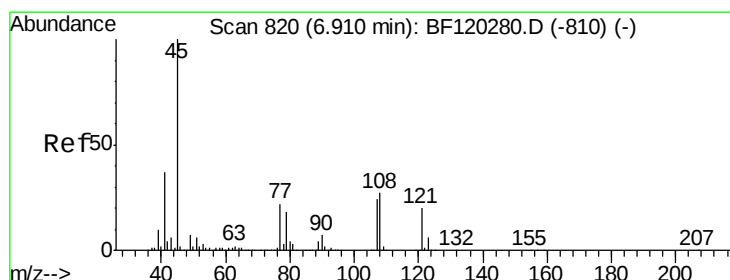
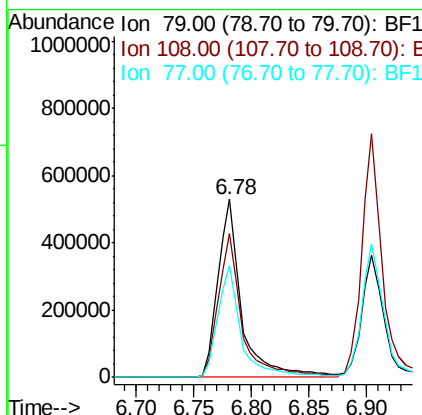
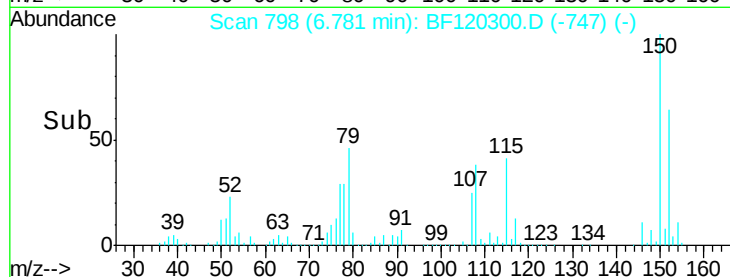
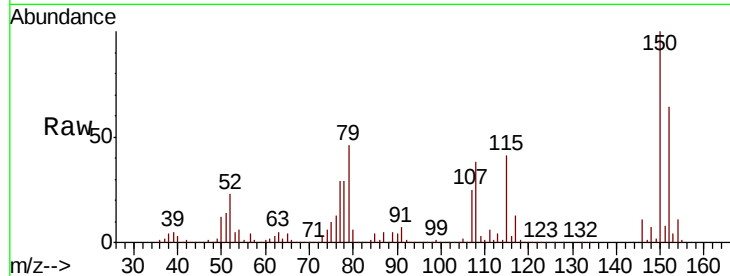
79 100

108 81.3 64.2 96.4

77 62.8 51.6 77.4

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.578 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

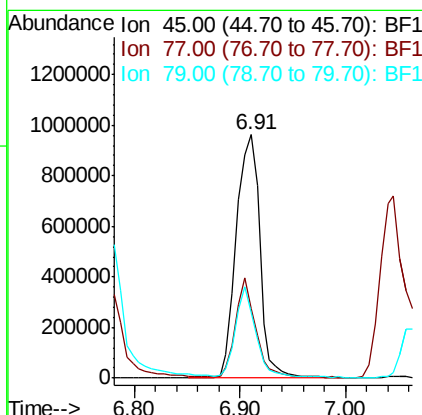
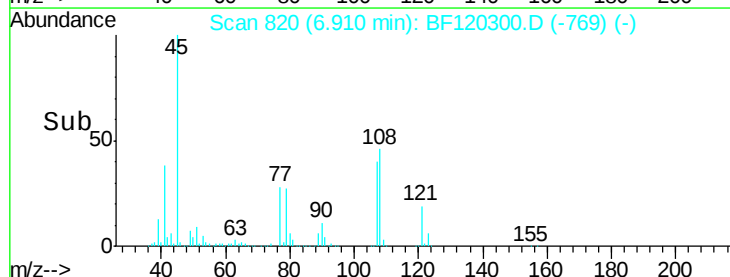
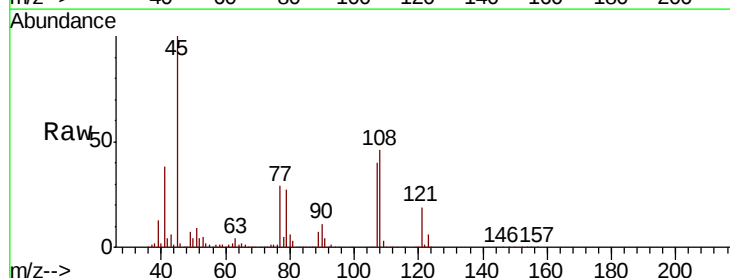
Tgt Ion: 45 Resp: 1468078

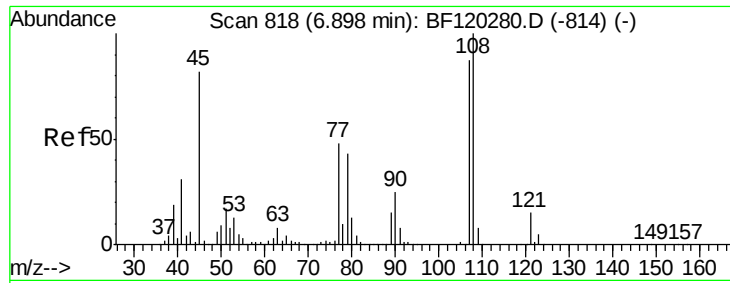
Ion Ratio Lower Upper

45 100

77 28.5 3.1 43.1

79 26.9 0.0 40.0





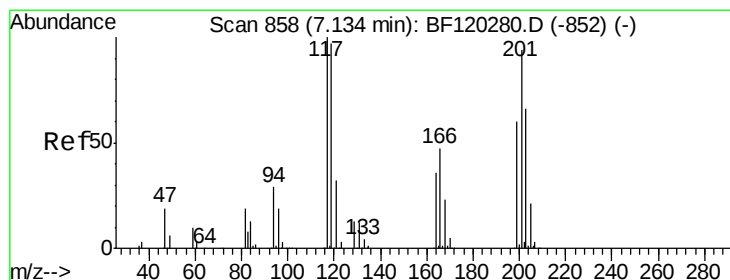
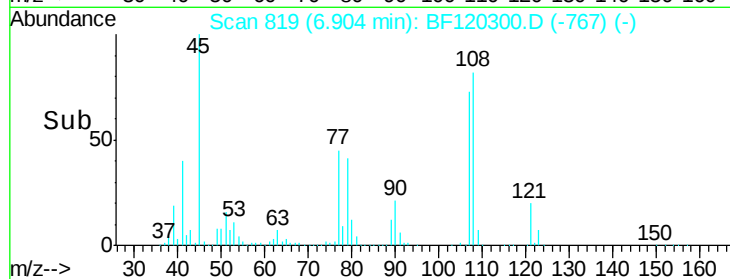
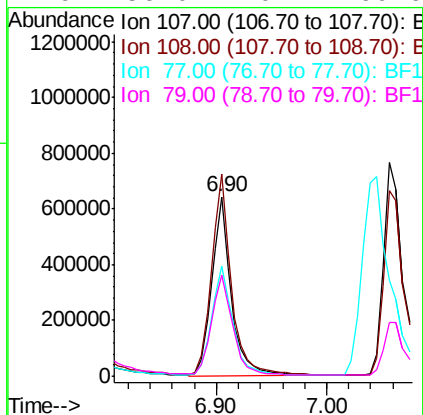
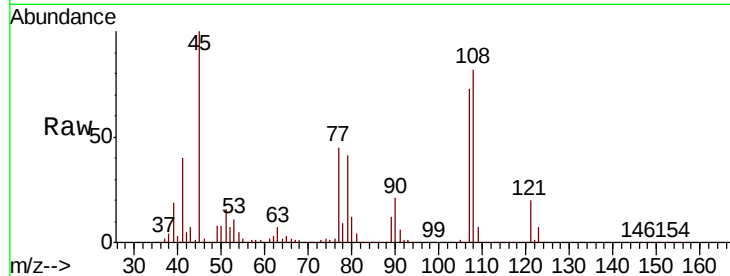
#17
2-Methylphenol
Concen: 38.472 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.2	92.4	138.6	
77	61.2	44.5	66.7	
79	56.0	40.4	60.6	

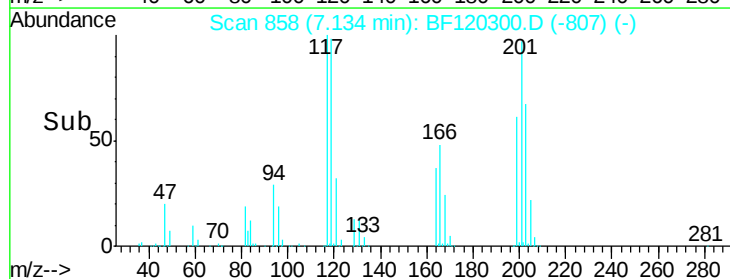
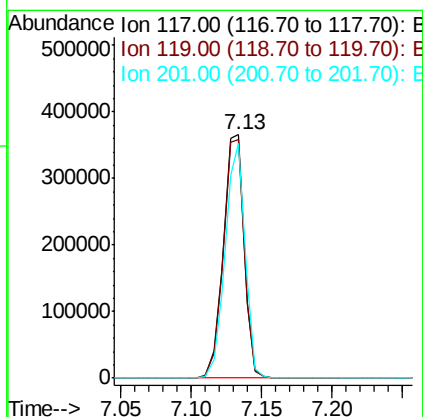
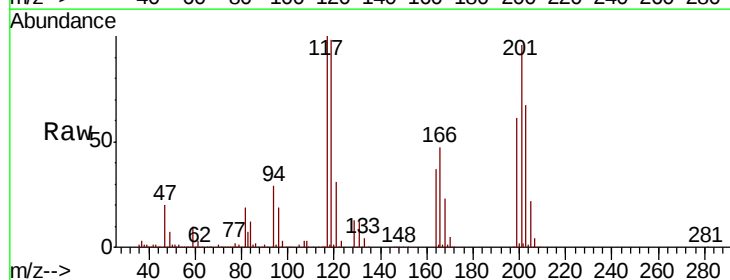
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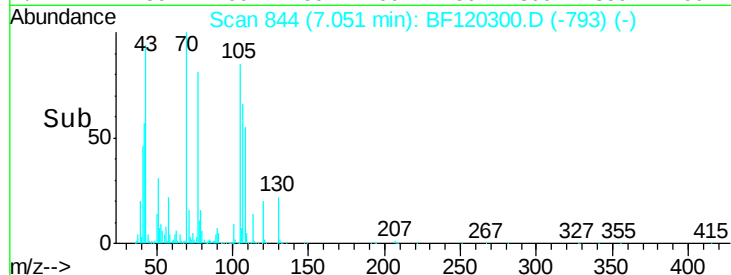
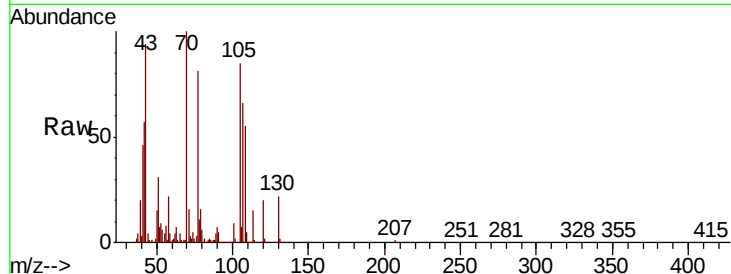
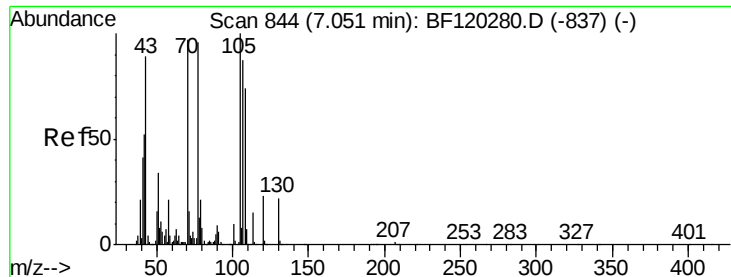
mohammad
5/18/2020 1:32:02 PM



#18
Hexachloroethane
Concen: 37.417 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.8	77.4	116.0	
201	96.4	74.9	112.3	





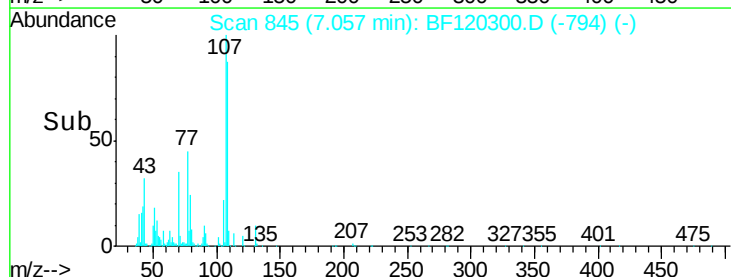
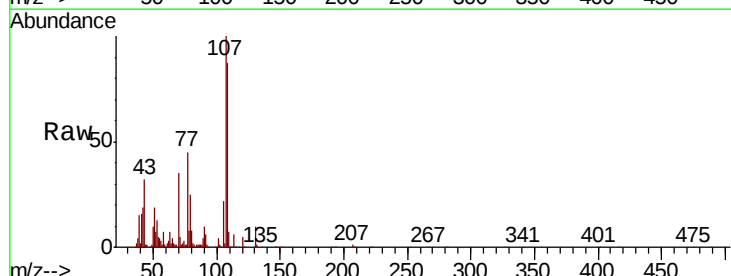
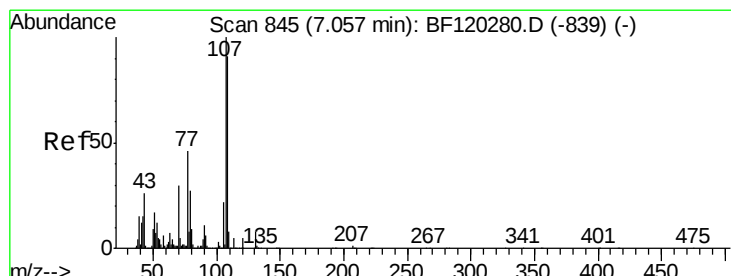
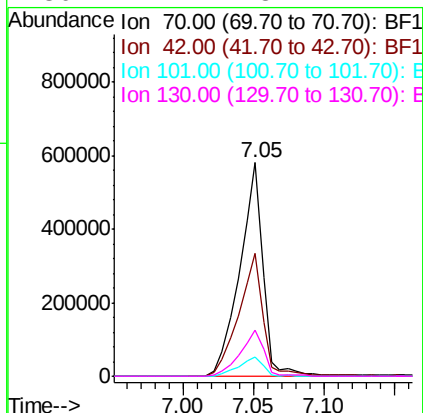
#19
n-Nitroso-di-n-propylamine
Concen: 39.549 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.4	43.4	65.0	
101	9.3	7.8	11.8	
130	21.7	18.2	27.4	

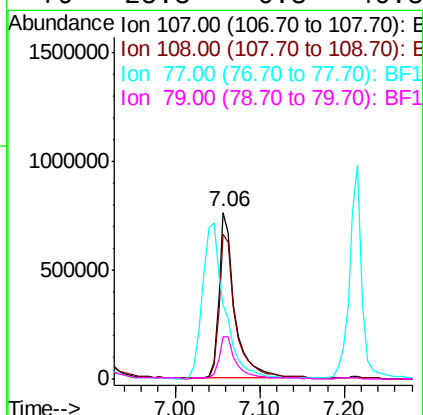
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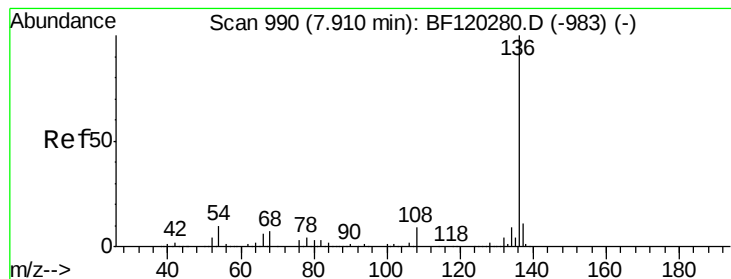
mohammad
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#20
3+4-Methylphenols
Concen: 38.841 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	86.8	71.1	111.1	
77	45.0	28.1	68.1	
79	25.3	6.8	46.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:136 Resp: 1574115

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 10.2 7.9 11.9

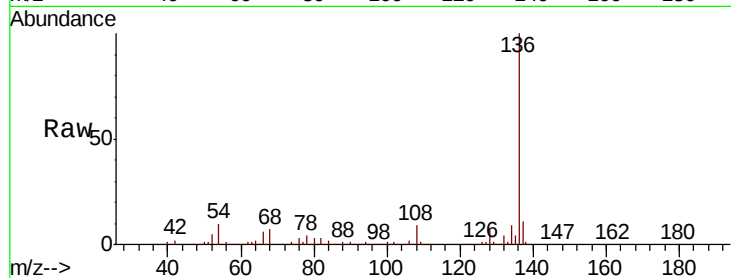
68 6.6 5.4 8.2

Manual Integrations

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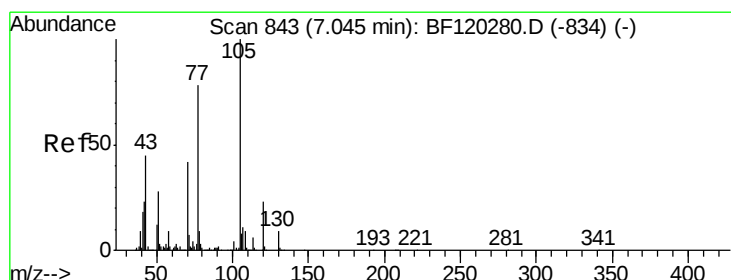
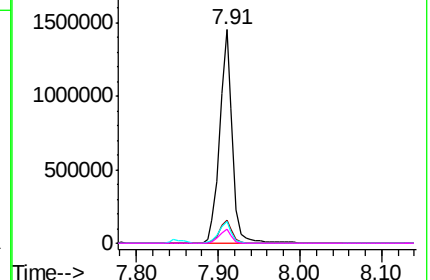
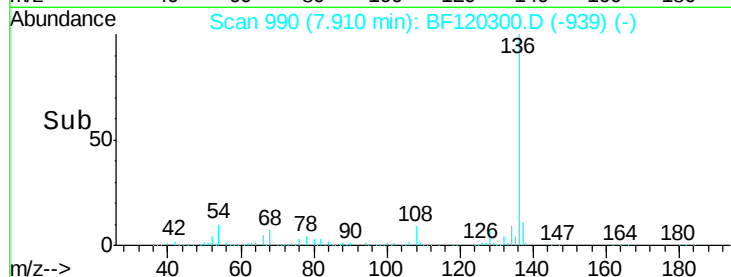


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 41.614 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Tgt Ion:105 Resp: 1341958

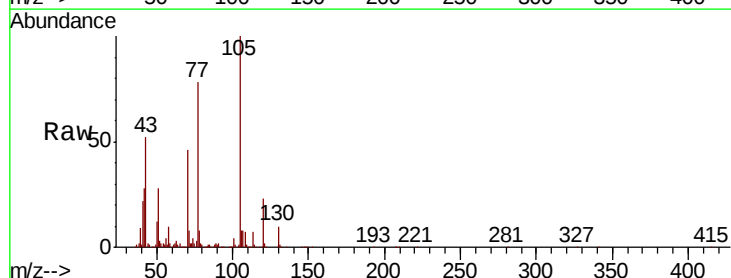
Ion Ratio Lower Upper

105 100

71 8.1 5.6 8.4

51 28.2 22.6 34.0

120 23.3 18.7 28.1

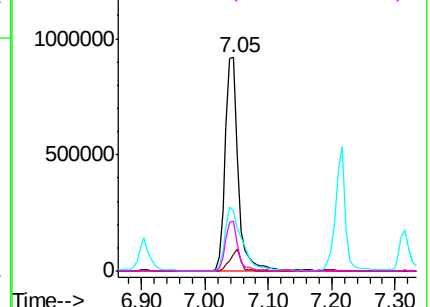
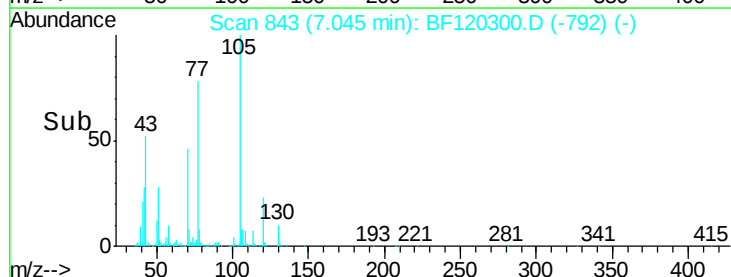


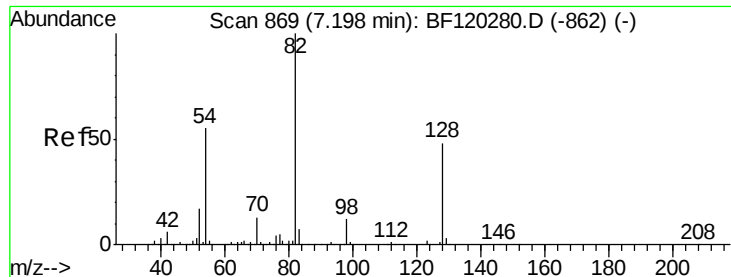
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





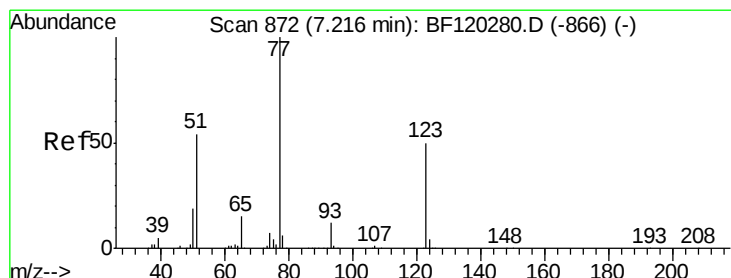
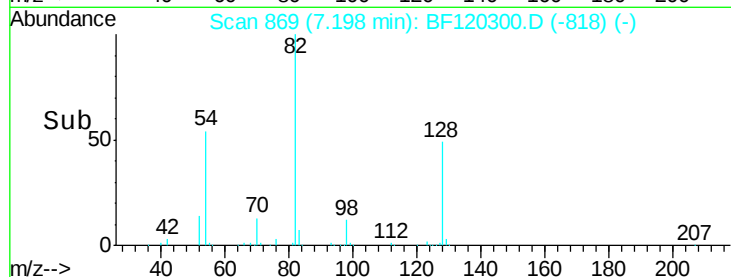
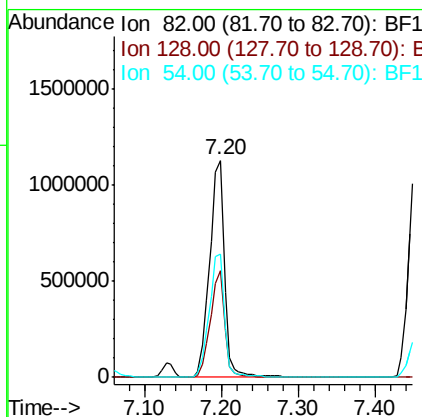
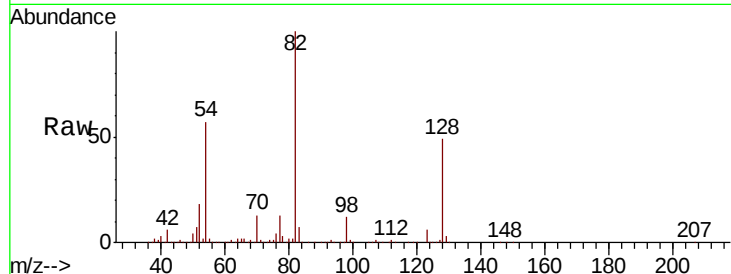
#23
 Nitrobenzene-d5
 Concen: 65.364 ng
 RT: 7.20 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	82	Resp	1502795
Ion Ratio	100	Lower	Upper
82	100		
128	49.4	38.3	57.5
54	56.8	43.9	65.9

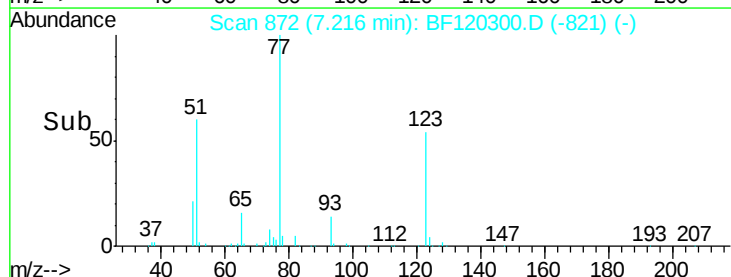
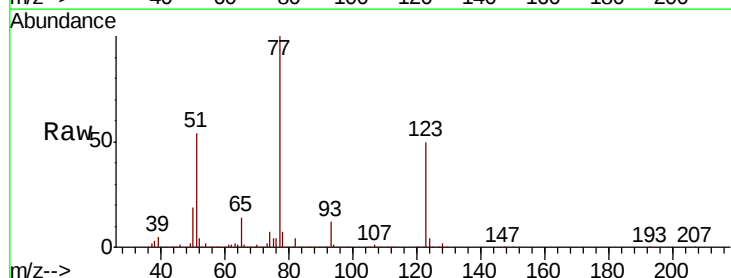
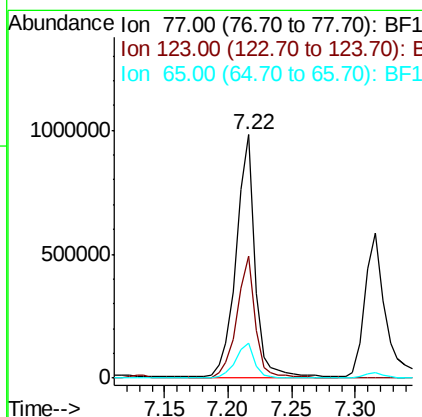
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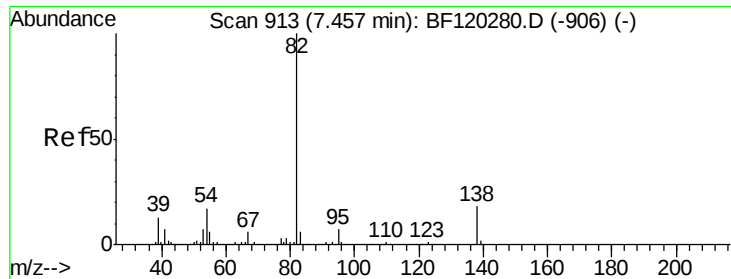
mohammad
 5/18/2020 1:32:02 PM



#24
 Nitrobenzene
 Concen: 40.674 ng
 RT: 7.22 min Scan# 872
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	77	Resp	1006407
Ion Ratio	100	Lower	Upper
77	100		
123	50.0	40.0	60.0
65	14.4	11.7	17.5





#25

Isophorone

Concen: 40.081 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion: 82 Resp: 1917376

Ion Ratio Lower Upper

82 100

95 6.5 5.4 8.0

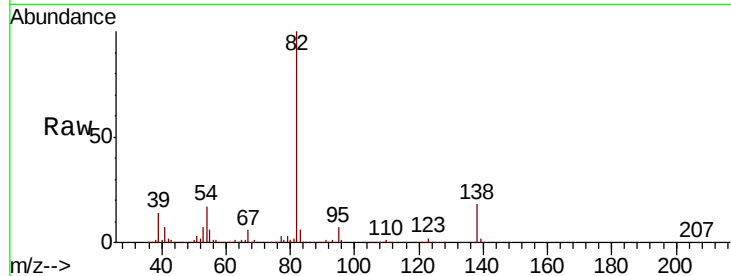
138 18.3 14.7 22.1

Manual Integrations

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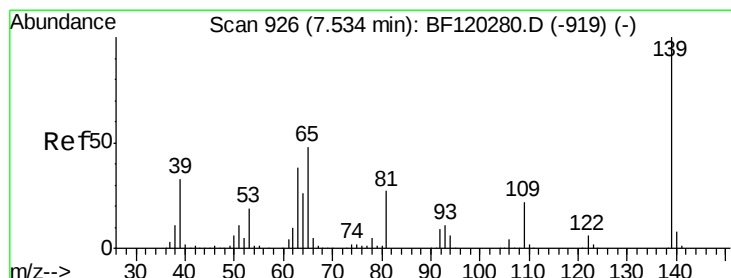
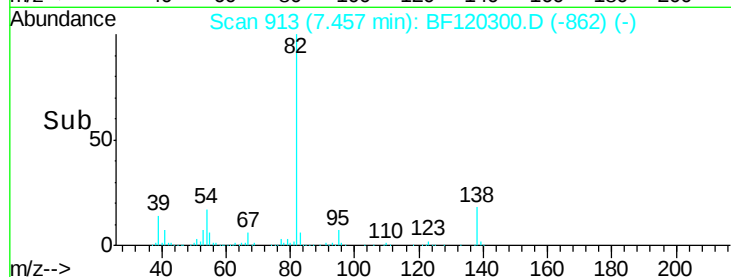
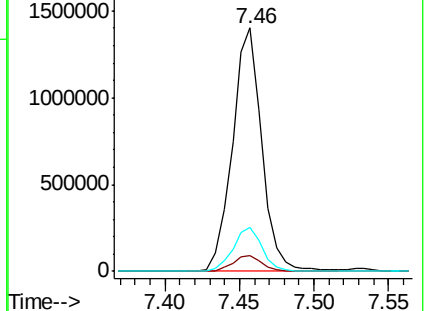
5/18/2020 1:32:02 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 42.529 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

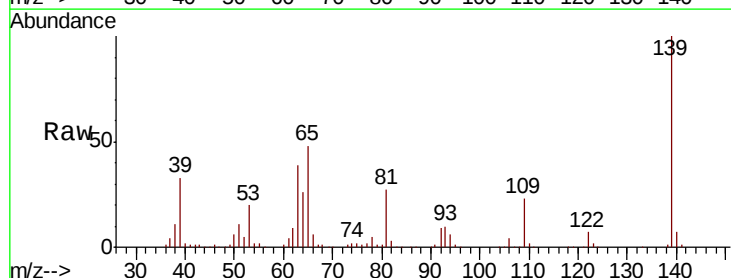
Tgt Ion: 139 Resp: 550350

Ion Ratio Lower Upper

139 100

109 23.0 17.7 26.5

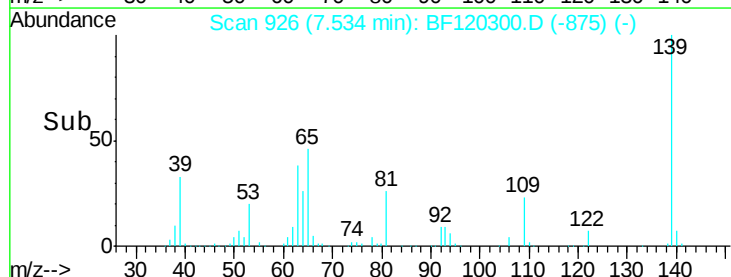
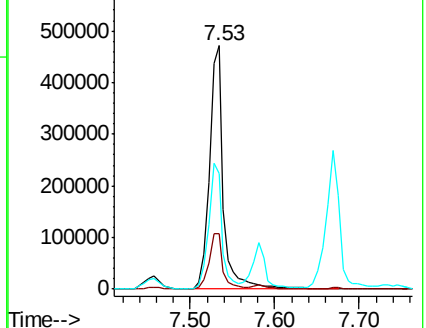
65 47.7 38.3 57.5

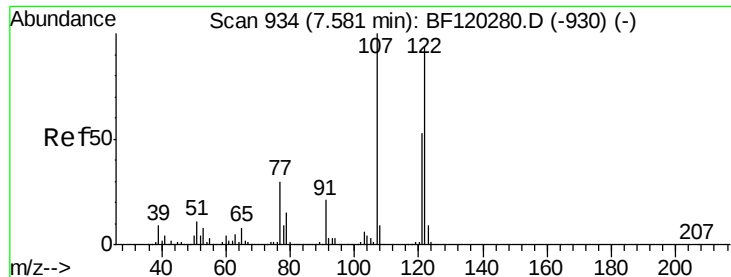


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





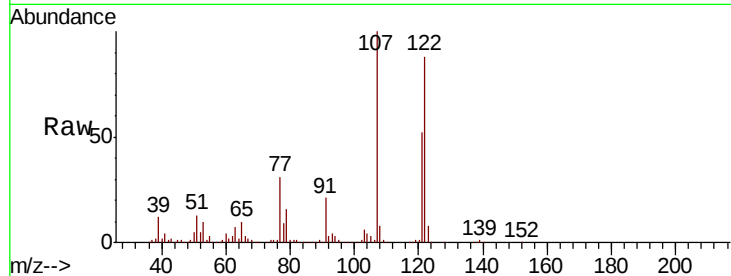
#27
2,4-Dimethylphenol
Concen: 44.699 ng
RT: 7.58 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.1	85.0	127.6
121	58.7	45.1	67.7

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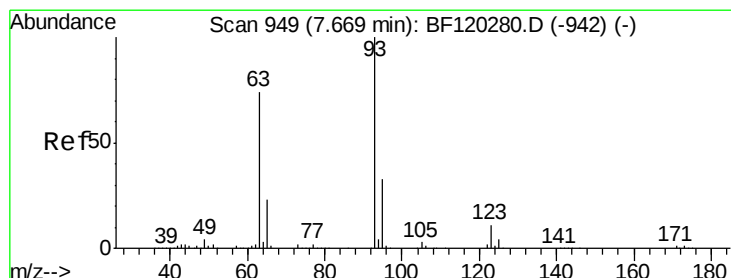
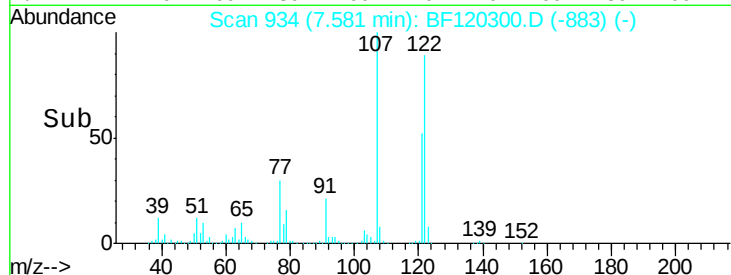
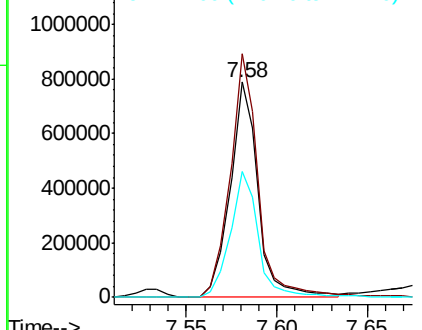


Abundance

Ion 122.00 (121.70 to 122.70): E

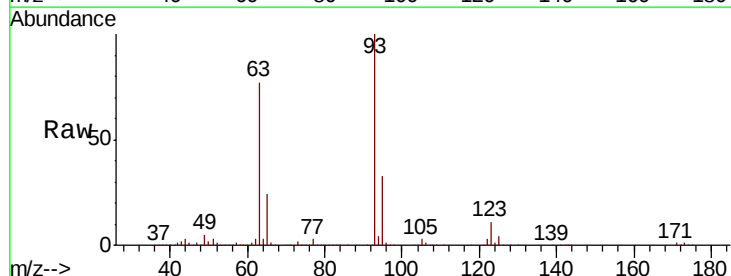
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 41.428 ng
RT: 7.67 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.8	40.2
123	11.3	9.2	13.8

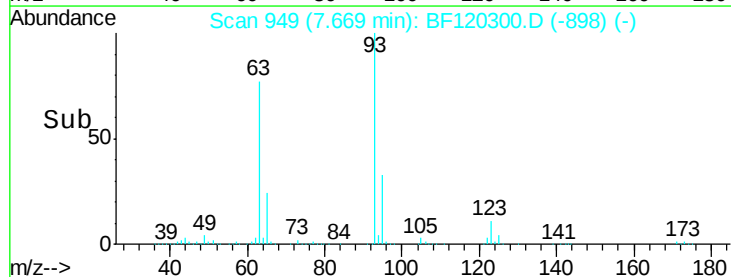
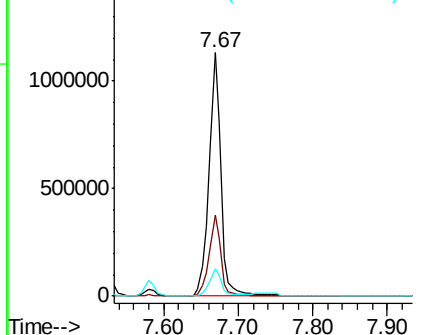


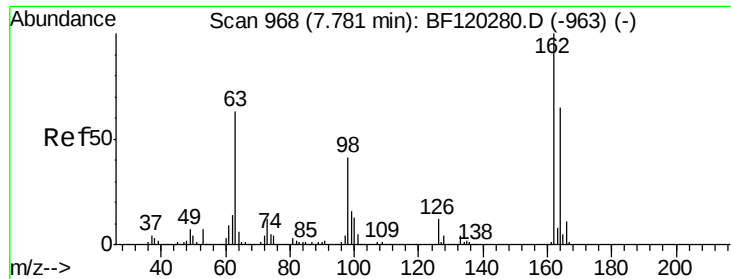
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





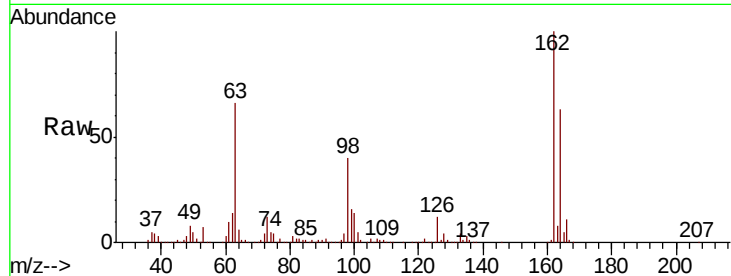
#29
2,4-Dichlorophenol
Concen: 41.283 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	798149		
164	63.3	44.9	84.9	
98	40.2	20.7	60.7	

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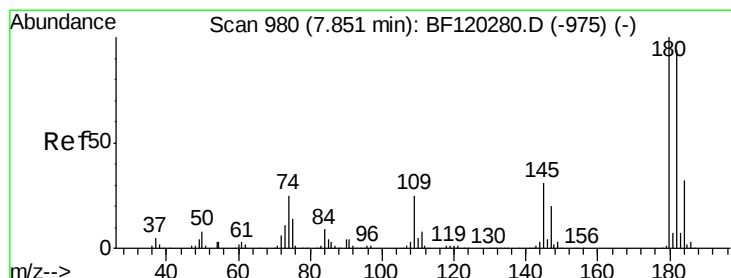
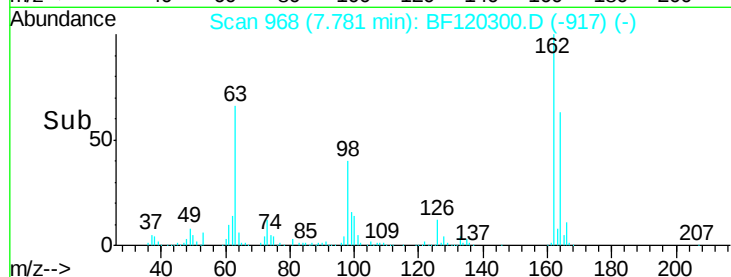
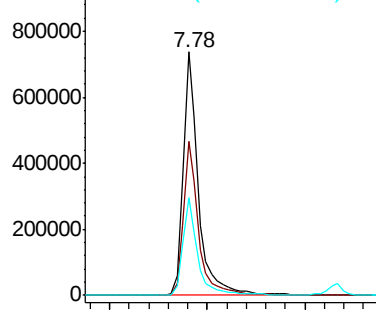


Abundance

Ion 162.00 (161.70 to 162.70): E

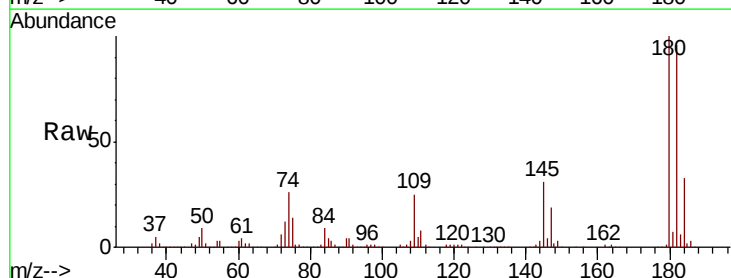
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 39.637 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	849214		
182	96.1	75.3	112.9	
145	31.1	24.9	37.3	

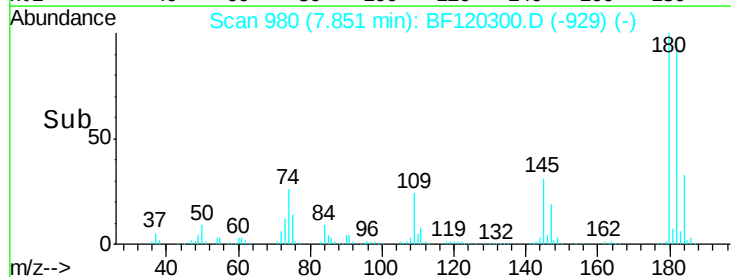
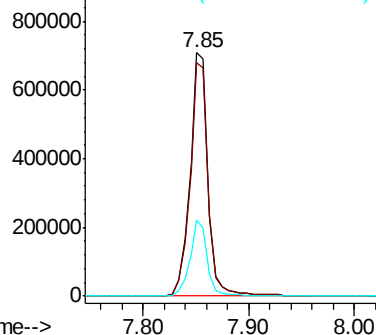


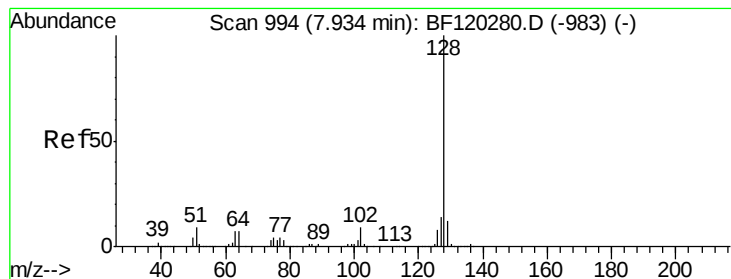
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.626 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:128 Resp: 2765405

Ion Ratio Lower Upper

128 100

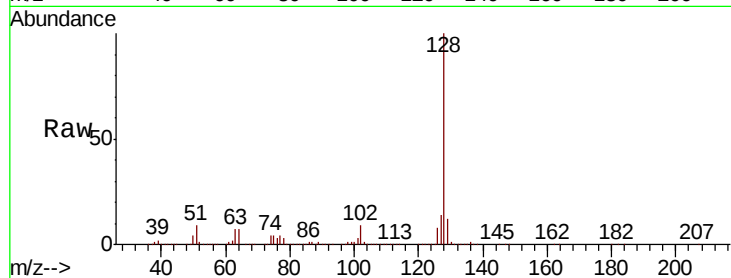
129 11.7 9.3 13.9

127 13.8 11.2 16.8

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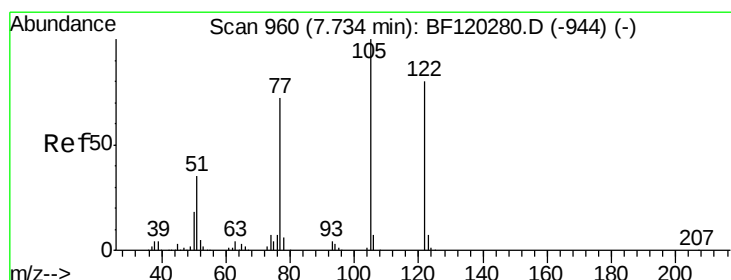
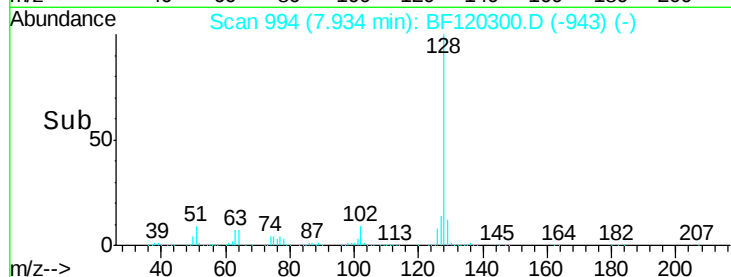
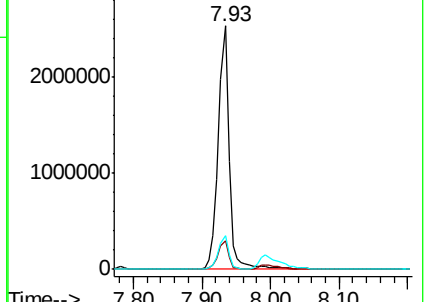
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 48.030 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

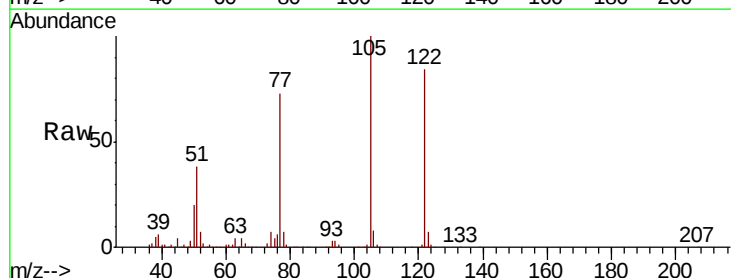
Tgt Ion:122 Resp: 592637

Ion Ratio Lower Upper

122 100

105 119.4 98.1 138.1

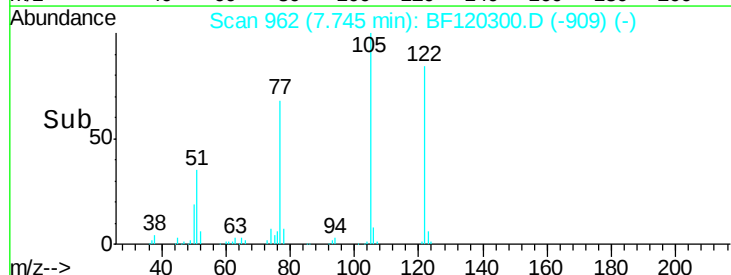
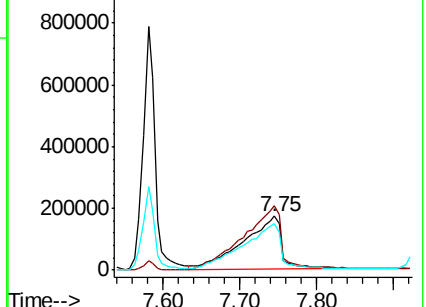
77 86.5 66.7 106.7

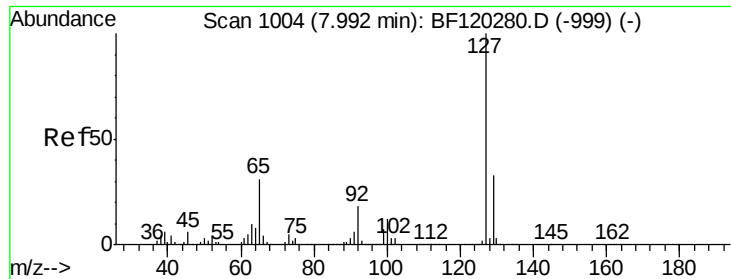


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





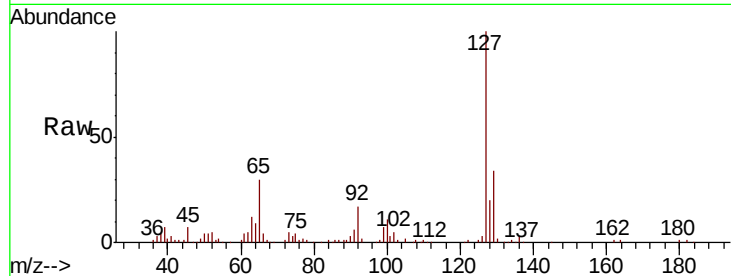
#33
4-Chloroaniline
Concen: 10.833 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.8	26.4	39.6		
65	30.4	24.8	37.2		
92	17.3	14.5	21.7		

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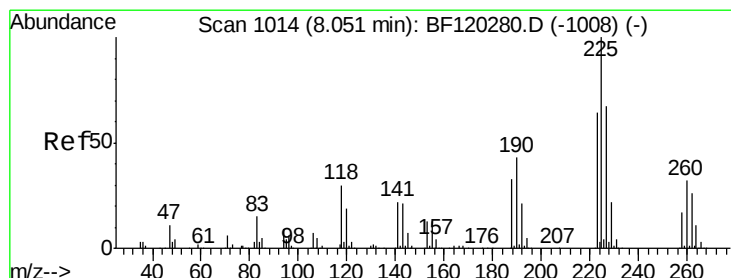
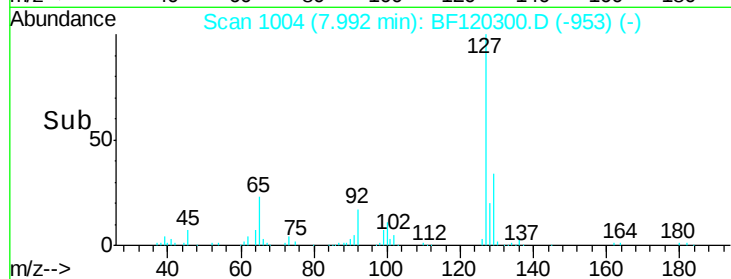
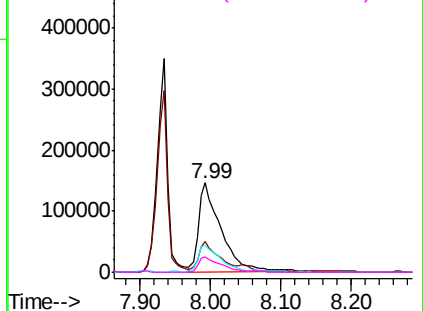
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

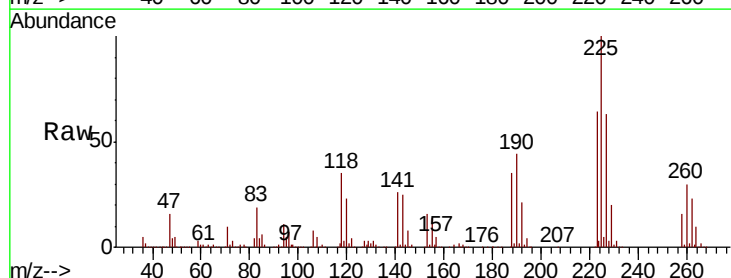
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 38.054 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.4	51.4	77.0		
227	62.7	54.0	81.0		

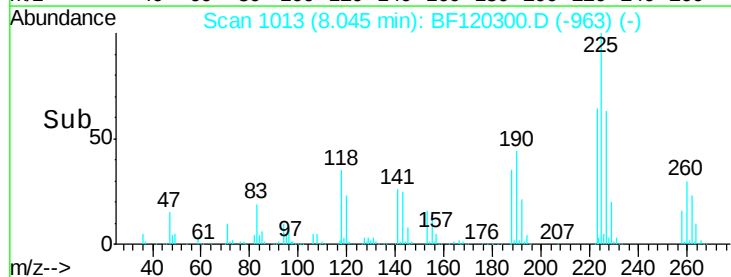
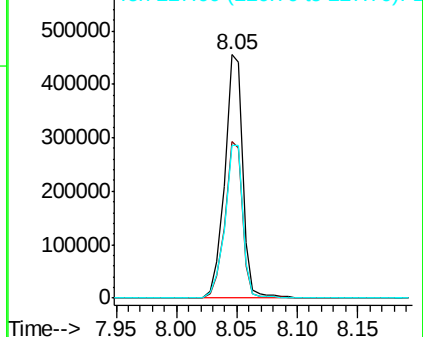


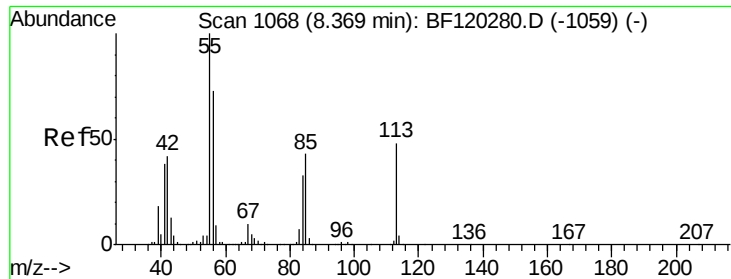
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





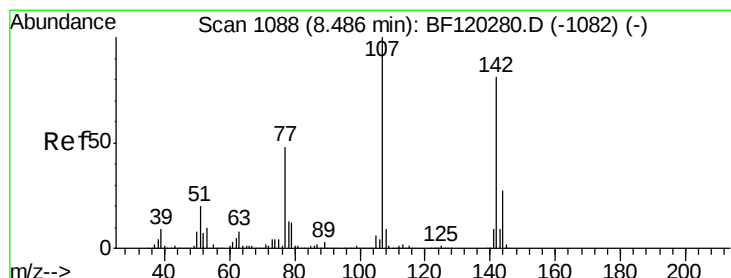
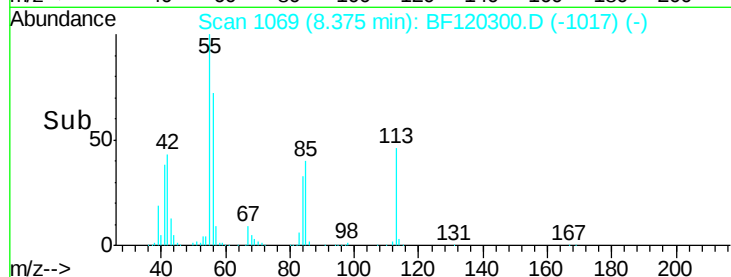
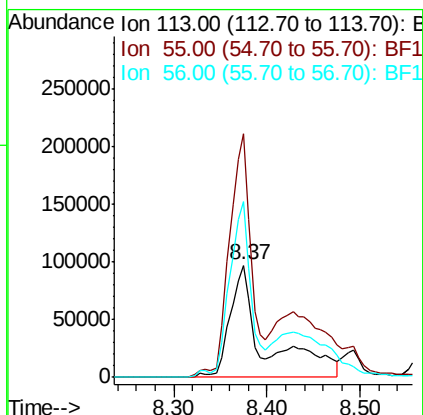
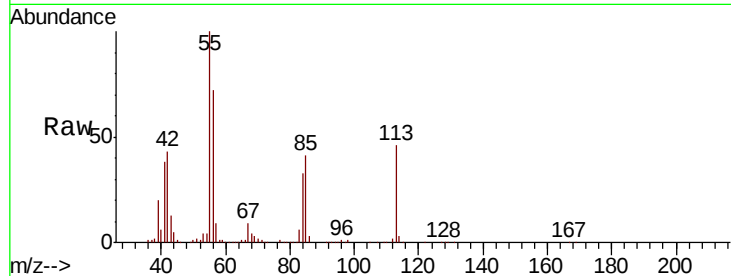
#35
 Caprolactam
 Concen: 40.026 ng/ml
 RT: 8.37 min Scan# 1069
 Delta R.T. 0.01 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	216.9	190.4	230.4
56	156.2	132.7	172.7

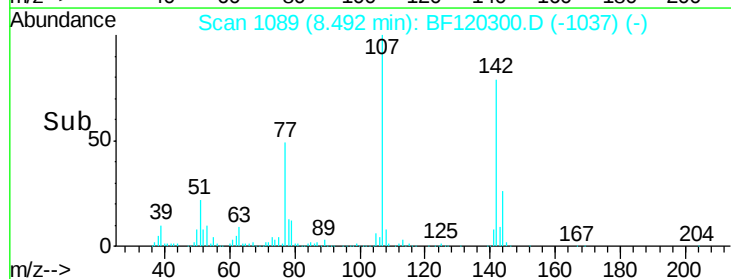
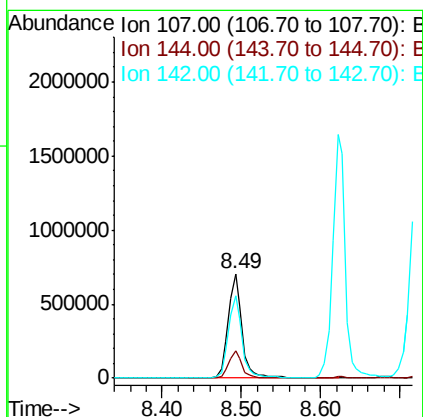
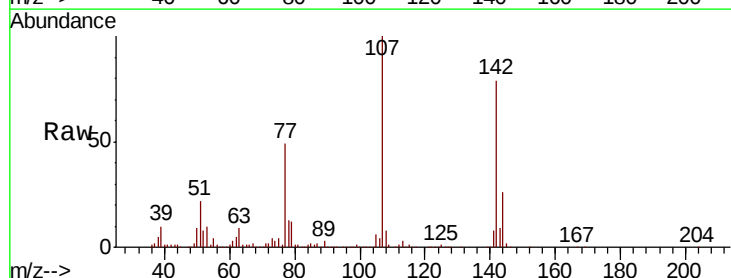
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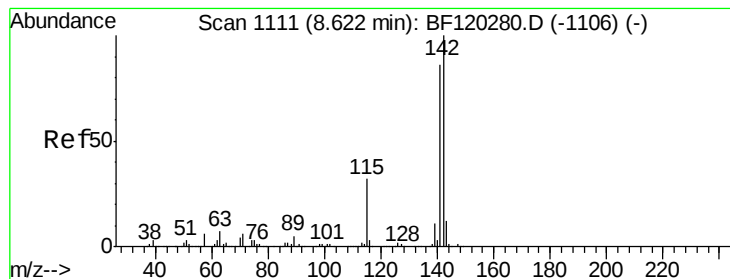
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#36
 4-Chloro-3-methylphenol
 Concen: 40.830 ng/ml
 RT: 8.49 min Scan# 1089
 Delta R.T. 0.01 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.4	32.2
142	78.6	65.1	97.7





#37

2-Methylnaphthalene

Concen: 40.392 ng

RT: 8.62 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:142 Resp: 1836326

Ion Ratio Lower Upper

142 100

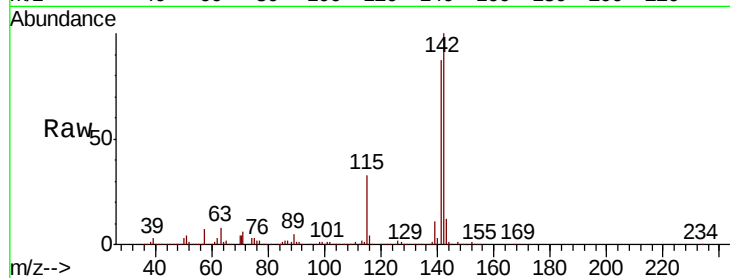
141 87.1 68.8 103.2

115 33.2 25.7 38.5

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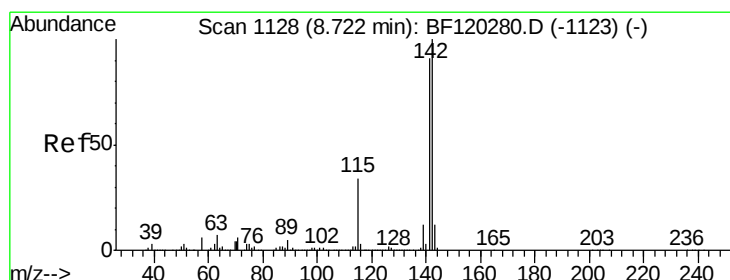
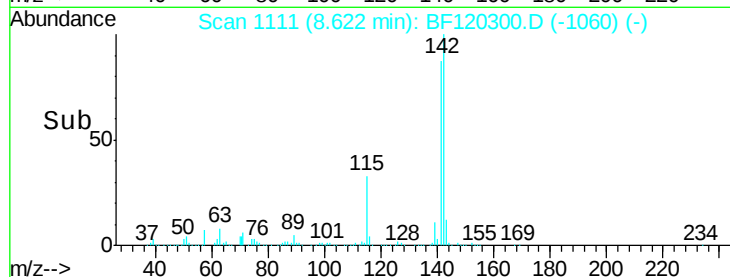
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

8.62

Time-->



#38

1-Methylnaphthalene

Concen: 40.140 ng

RT: 8.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

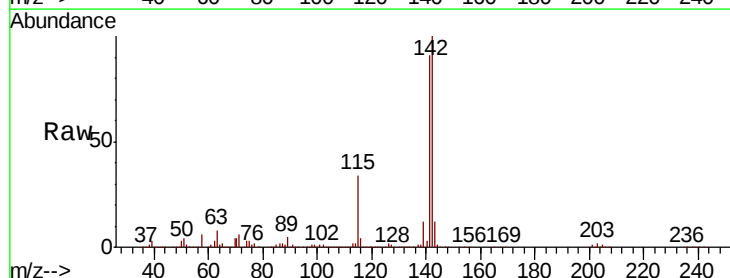
Tgt Ion:142 Resp: 1769936

Ion Ratio Lower Upper

142 100

141 90.9 73.0 109.6

116 3.6 2.7 4.1



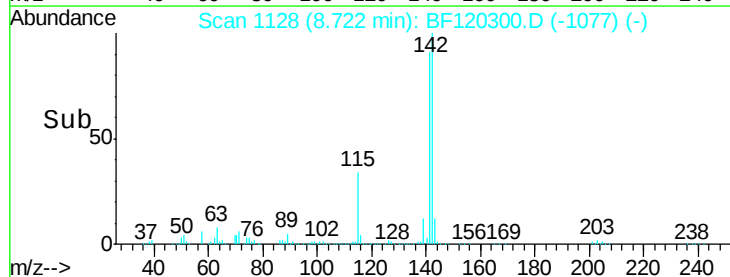
Abundance Ion 142.00 (141.70 to 142.70): E

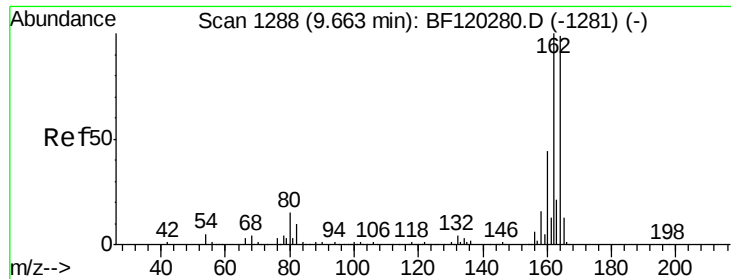
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

8.72

Time-->





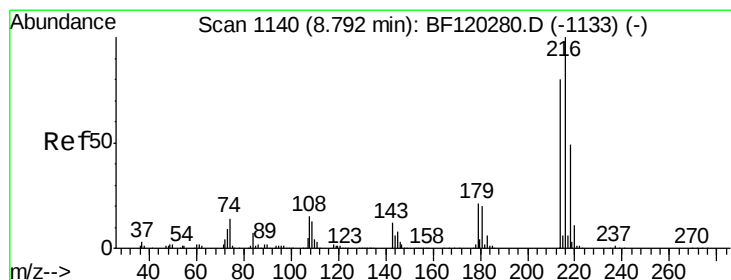
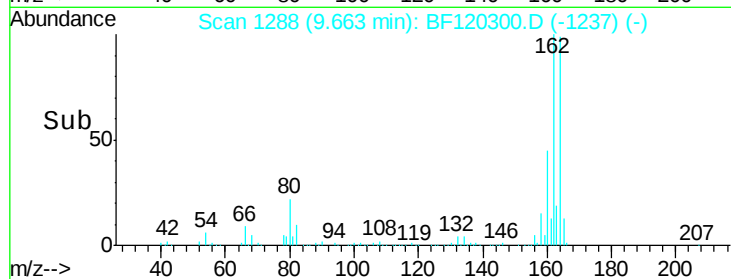
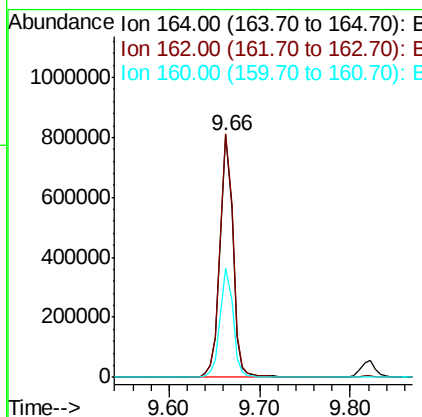
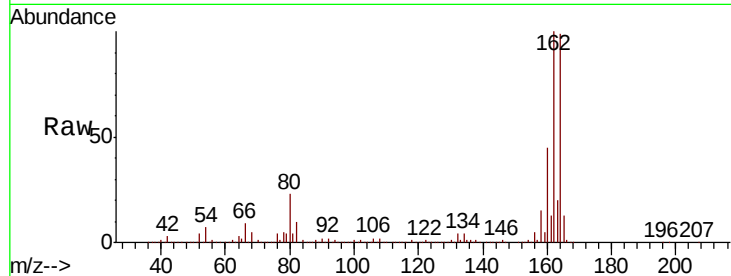
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	81.2	121.8	
160	45.1	35.8	53.6	

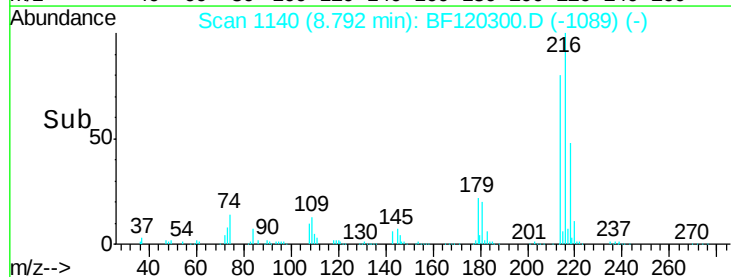
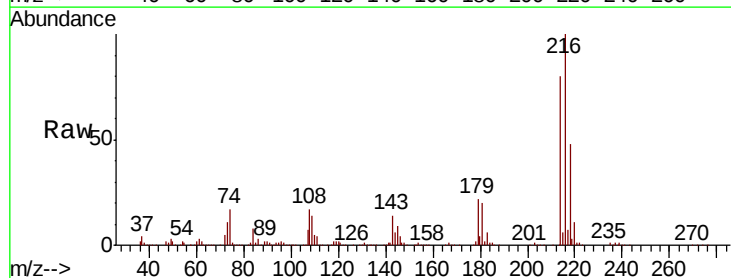
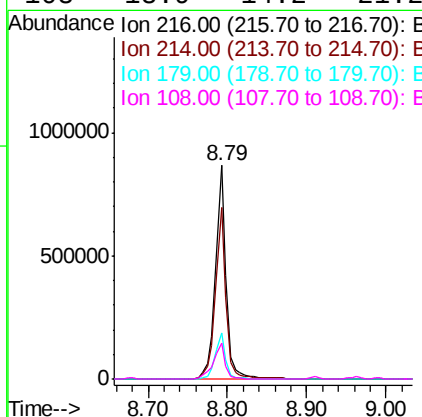
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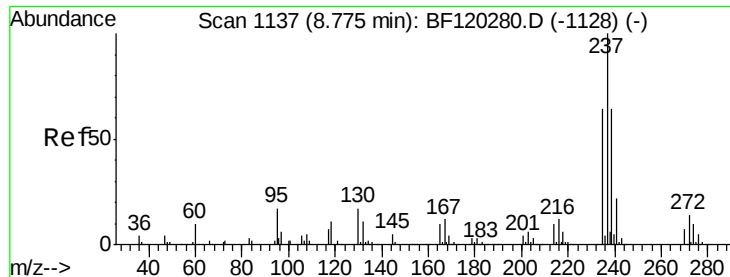
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.486 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	80.1	64.0	96.0	
179	21.3	16.9	25.3	
108	18.9	14.2	21.2	





#41

Hexachlorocyclopentadiene

Concen: 74.316 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

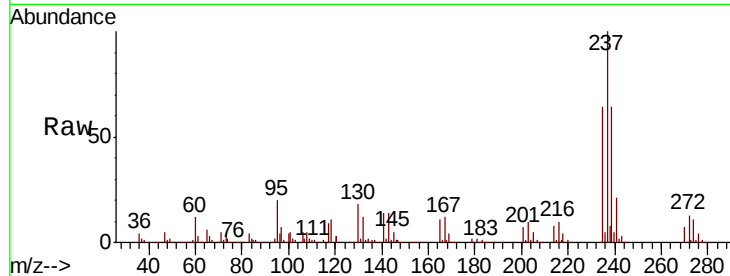
ClientSampleId :

239997MS

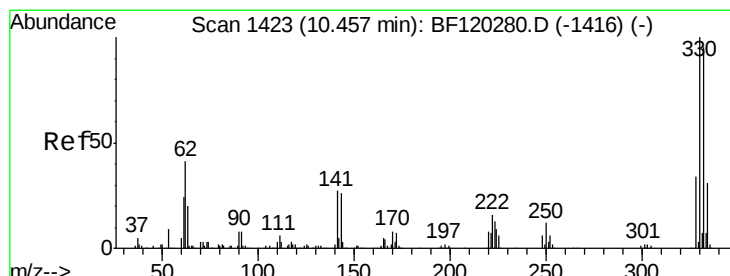
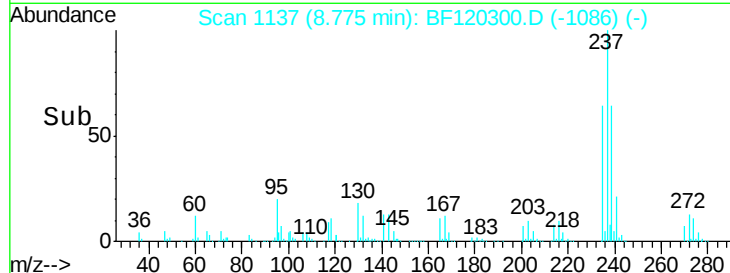
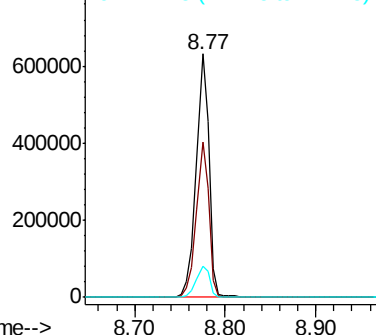
Tot Ion:	237	Resp:	609514
Ion Ratio	Lower	Upper	
237	100		
235	63.7	43.8	83.8
272	12.9	0.0	33.9

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 89.035 ng

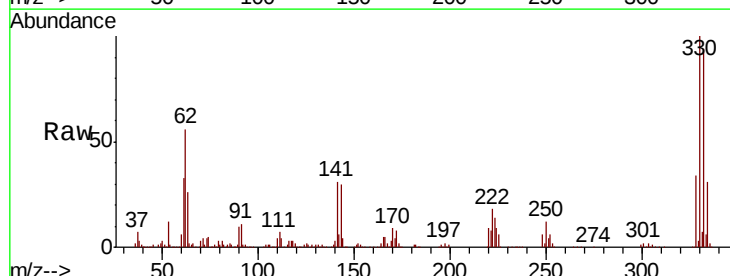
RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

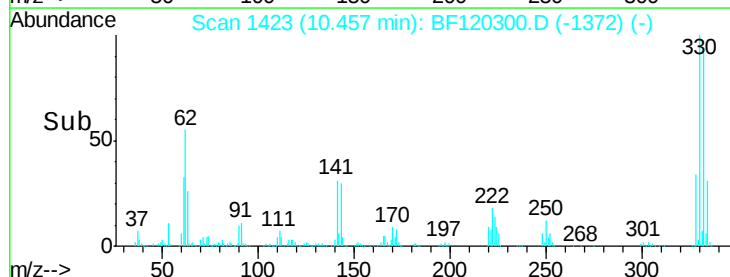
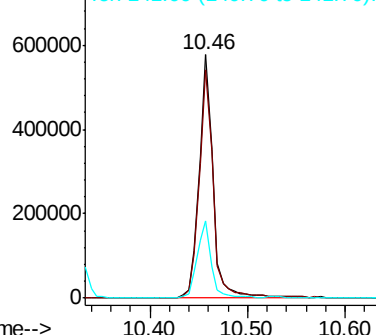
Lab File: BF120300.D

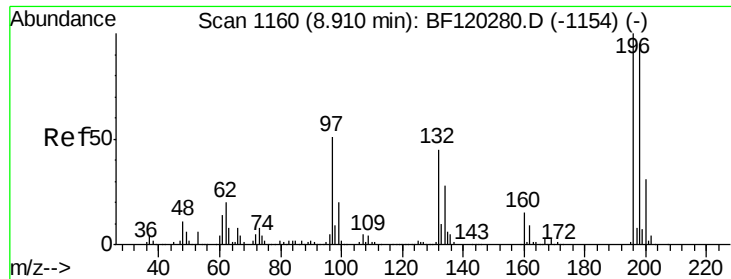
Acq: 14 May 2020 19:38

Tgt Ion:	330	Resp:	576390
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.5	114.7
141	31.6	25.4	38.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





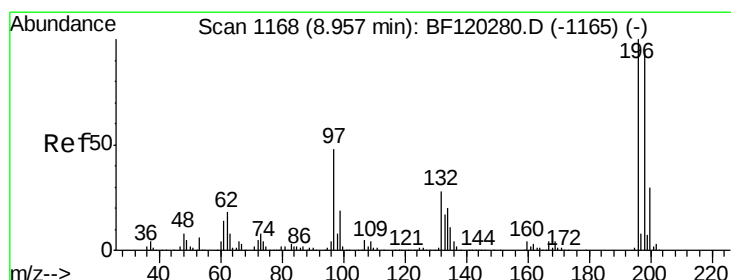
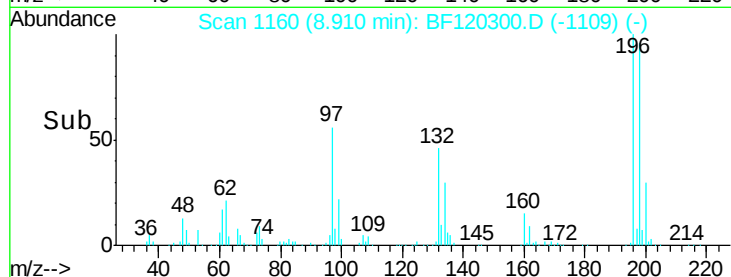
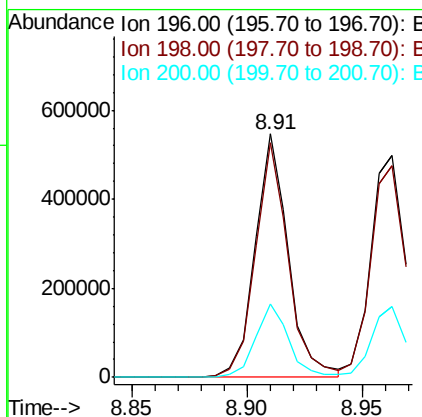
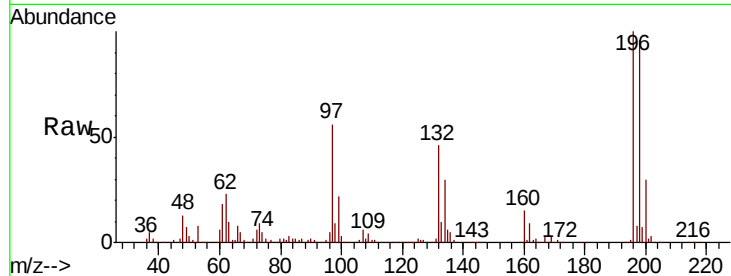
#43
 2,4,6-Trichlorophenol
 Concen: 40.747 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	547597		
198	96.3	76.2	114.4	
200	30.0	24.9	37.3	

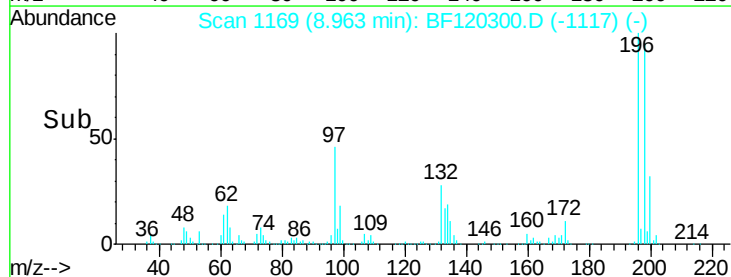
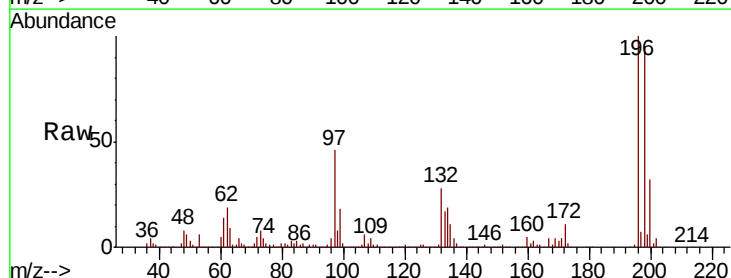
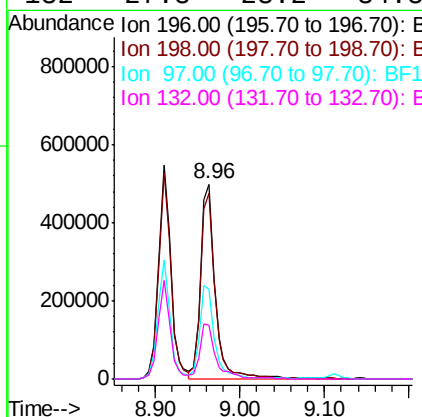
Manual Integrations
 APPROVED

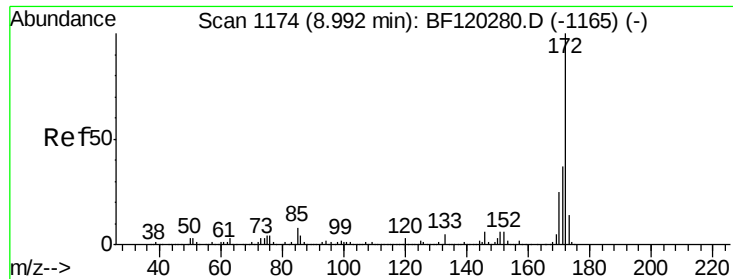
mohammad
 5/18/2020 1:32:02 PM



#44
 2,4,5-Trichlorophenol
 Concen: 38.404 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	592711		
198	95.4	76.2	114.4	
97	45.7	38.6	57.8	
132	27.8	23.2	34.8	





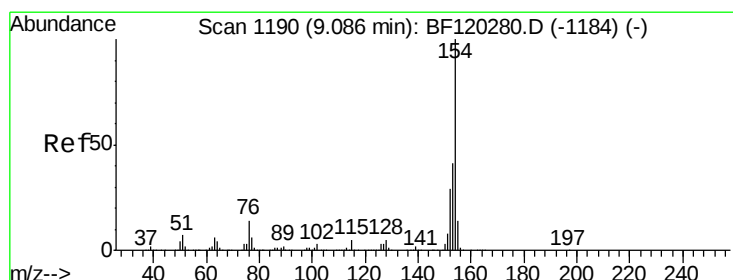
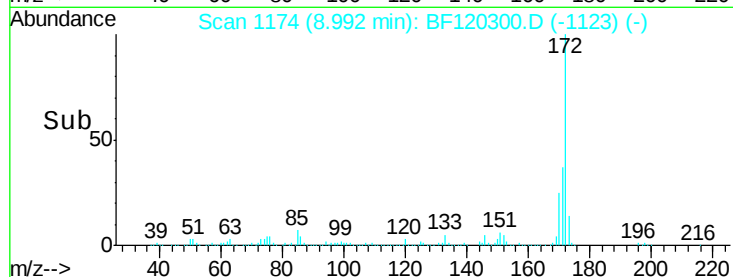
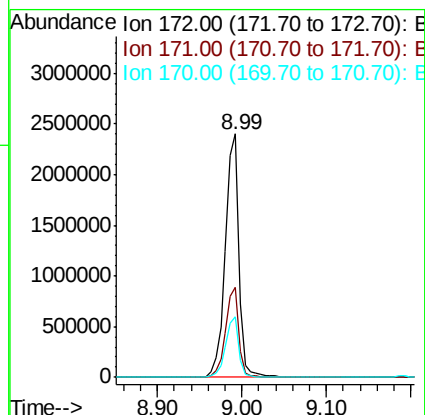
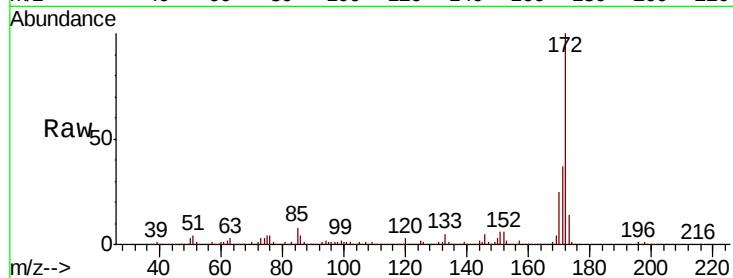
#45
2-Fluorobiphenyl
Concen: 69.868 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.8	19.9	29.9

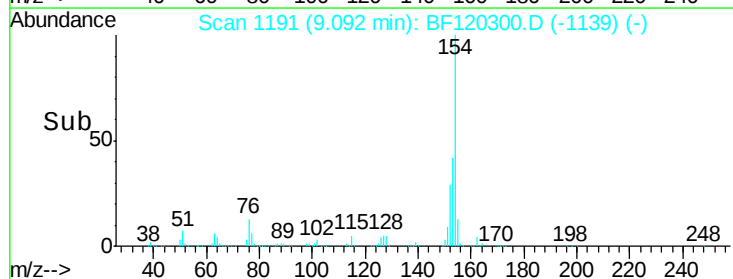
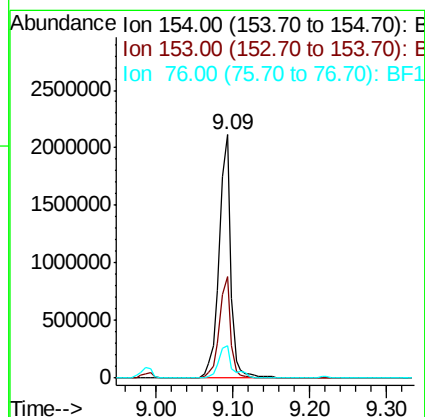
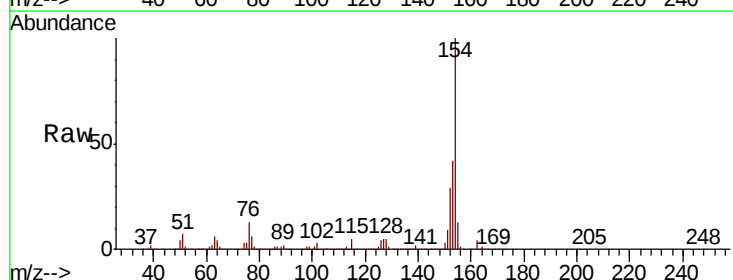
Manual Integrations
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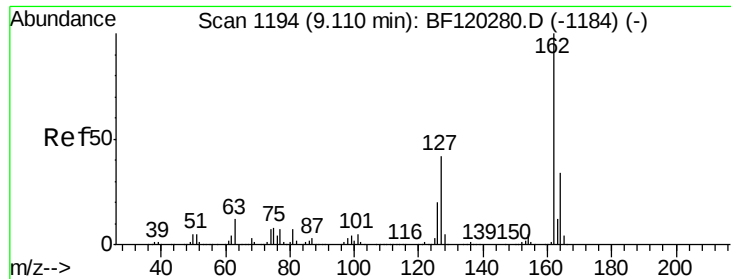
mohammad
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#46
1,1'-Biphenyl
Concen: 42.001 ng
RT: 9.09 min Scan# 1191
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.8	60.8
76	13.3	0.0	34.3





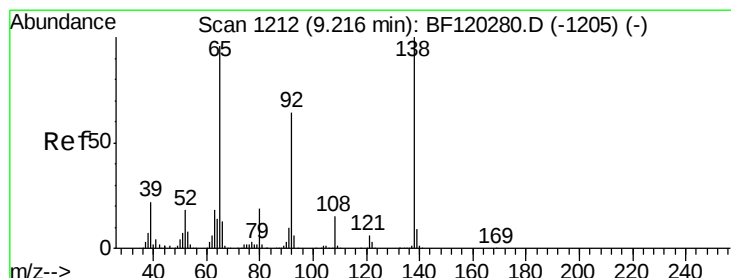
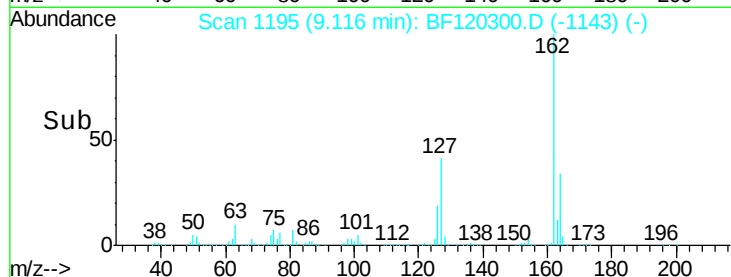
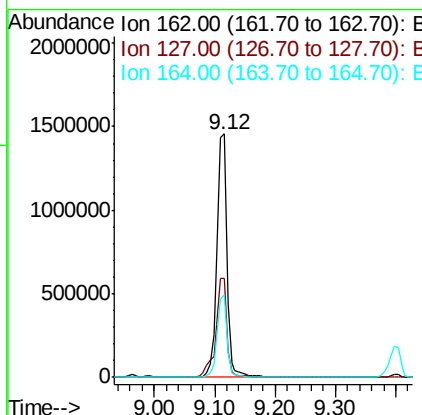
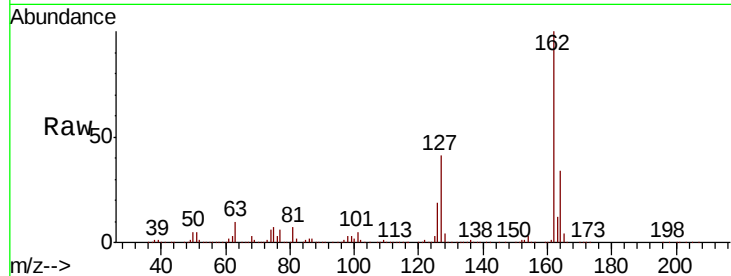
#47
 2-Chloronaphthalene
 Concen: 39.832 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.0
164	33.9	27.0	40.6

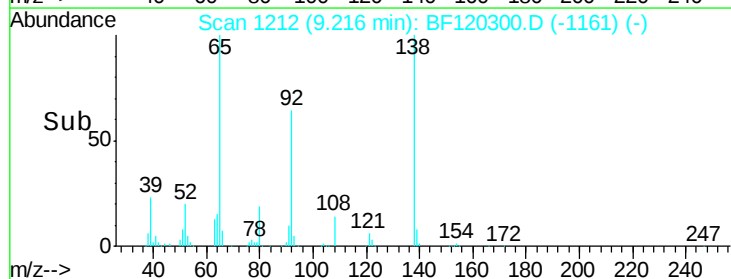
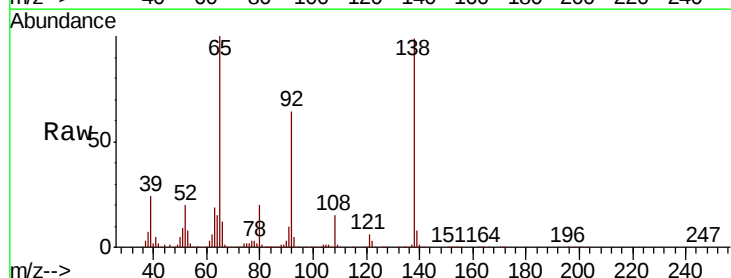
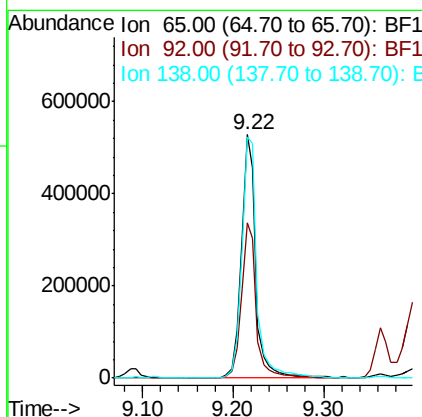
Manual Integrations
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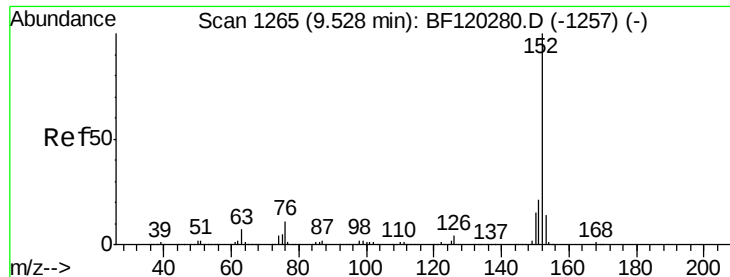
mohammad
 5/18/2020 1:32:02 PM



#48
 2-Nitroaniline
 Concen: 39.109 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.0	52.9	79.3
138	98.9	83.0	124.4





#49

Acenaphthylene

Concen: 40.282 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:152 Resp: 2567766

Ion Ratio Lower Upper

152 100

151 20.7 16.6 25.0

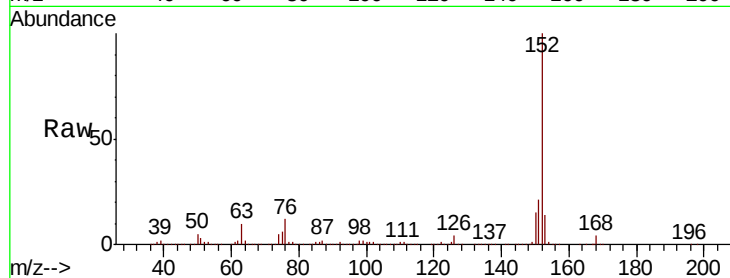
153 13.5 11.1 16.7

Manual Integrations

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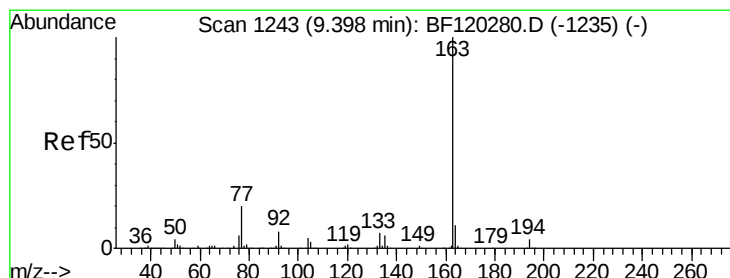
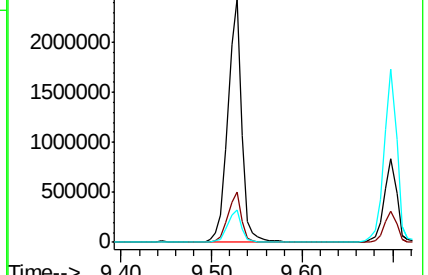
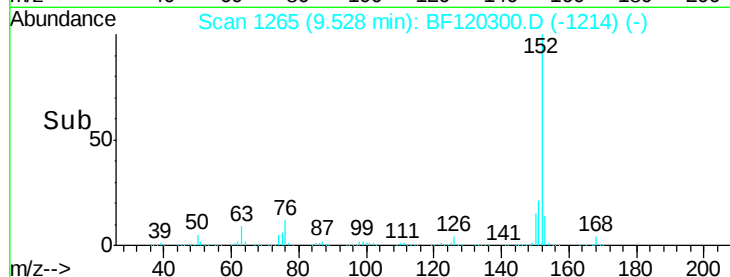
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.150 ng

RT: 9.40 min Scan# 1244

Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

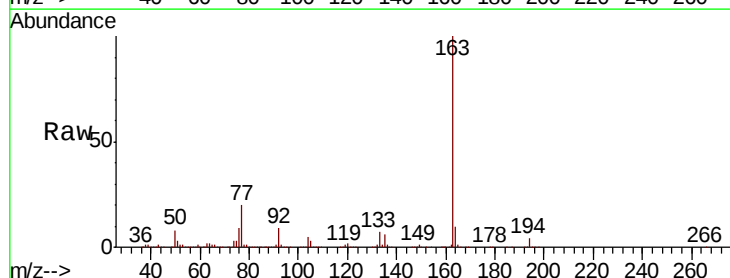
Tgt Ion:163 Resp: 2366541

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

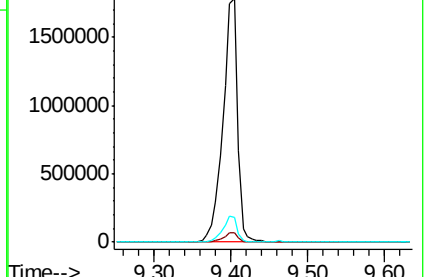
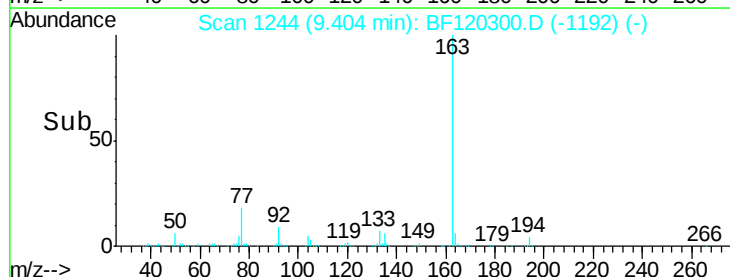
164 10.2 8.6 12.8

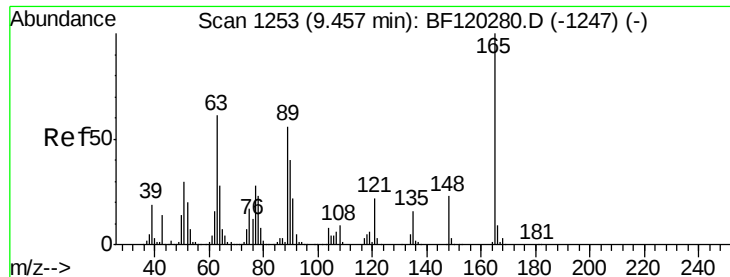


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 38.930 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

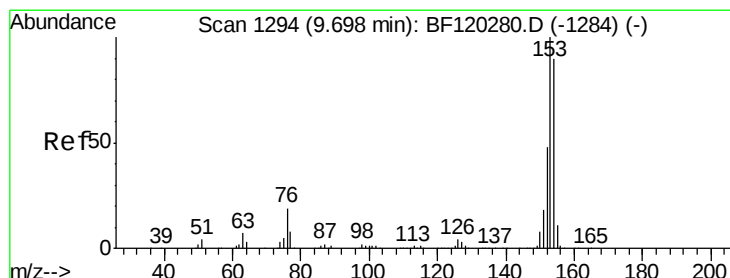
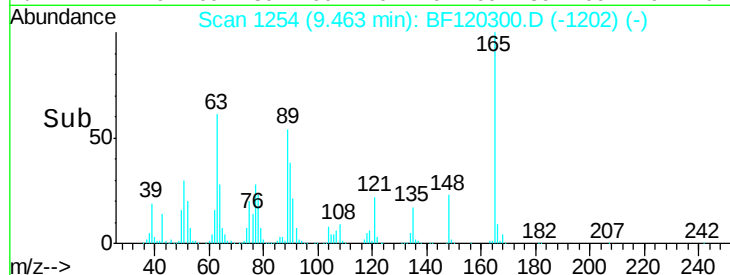
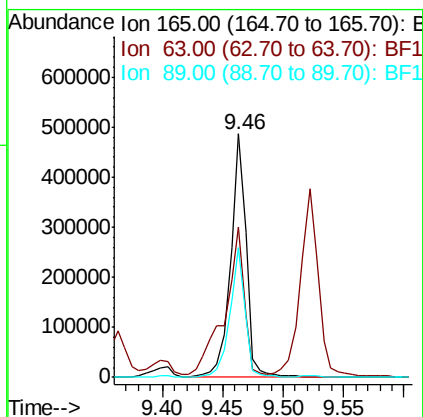
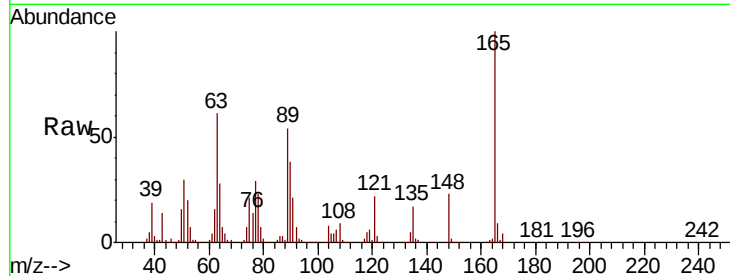
ClientSampleId :

239997MS

Tot Ion:	165	Resp:	436105
Ion Ratio	Lower	Upper	
165	100		
63	61.5	50.2	75.2
89	53.5	44.6	66.8

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#52

Acenaphthene

Concen: 39.610 ng

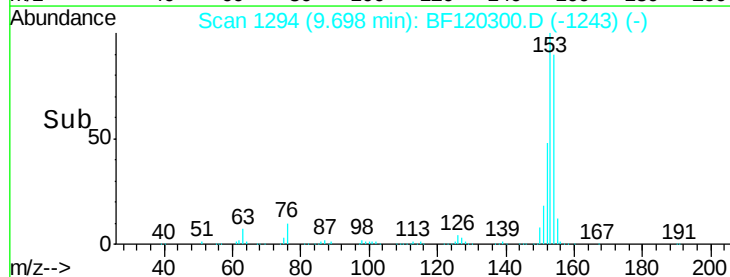
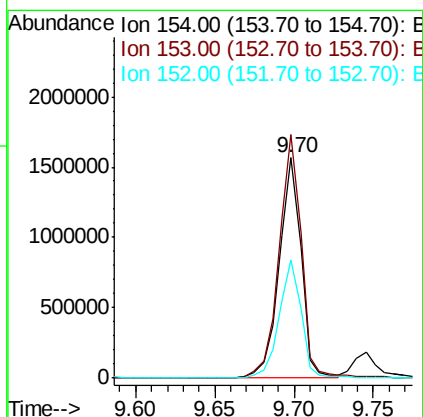
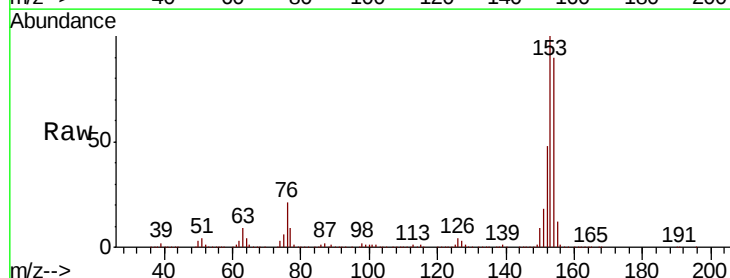
RT: 9.70 min Scan# 1294

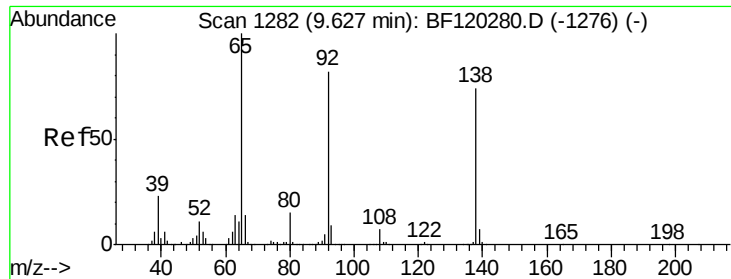
Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Tgt Ion:	154	Resp:	1513481
Ion Ratio	Lower	Upper	
154	100		
153	110.5	89.0	133.4
152	53.4	42.6	64.0





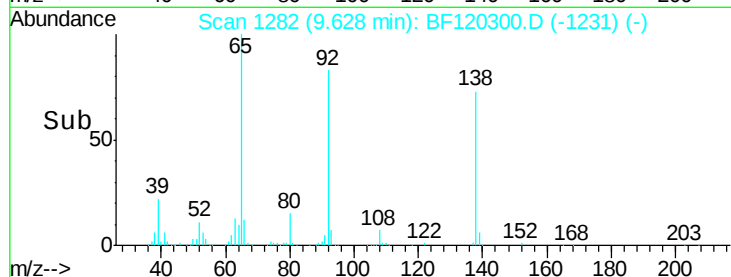
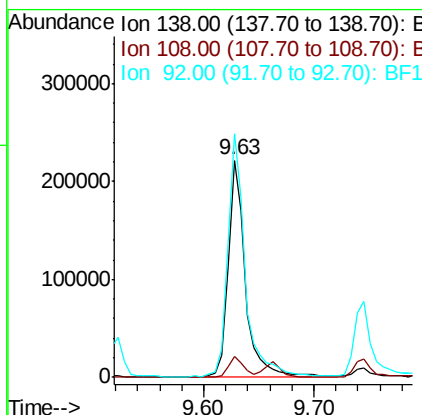
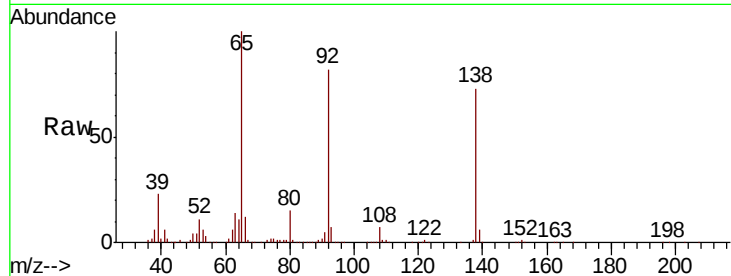
#53
3-Nitroaniline
Concen: 18.446 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	246414		
108	9.8	8.2	12.2	
92	112.1	89.6	134.4	

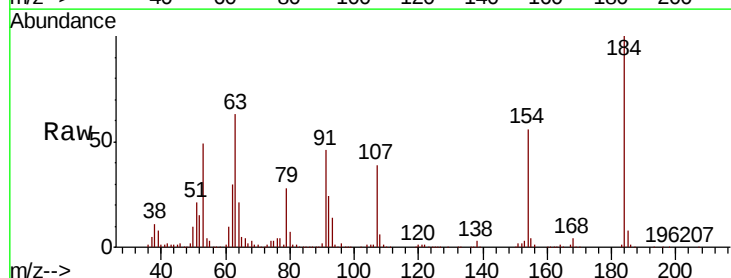
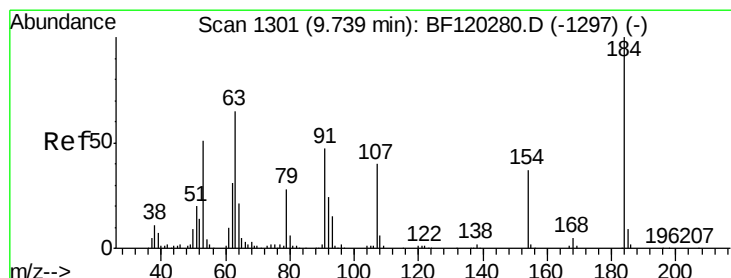
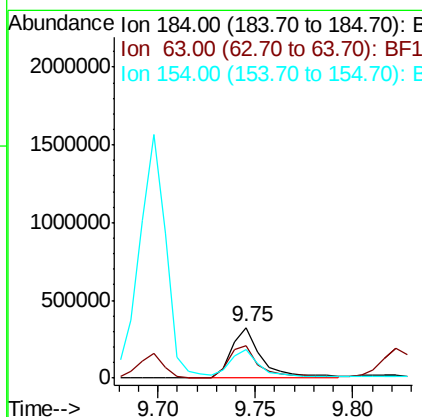
Manual Integrations
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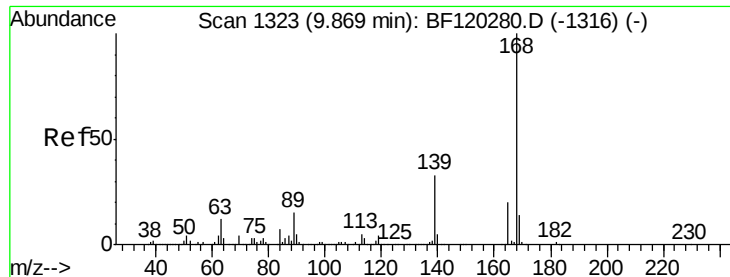
mohammad
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#54
2,4-Dinitrophenol
Concen: 66.431 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	351277		
63	63.1	53.6	80.4	
154	55.5	46.8	70.2	





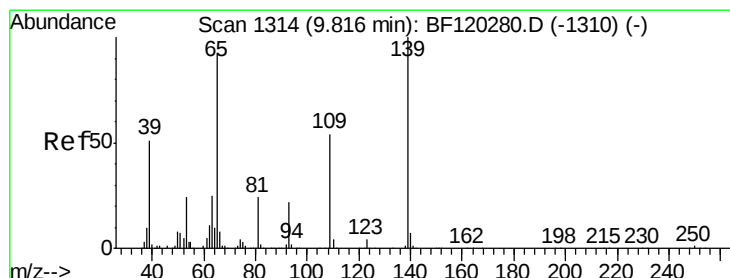
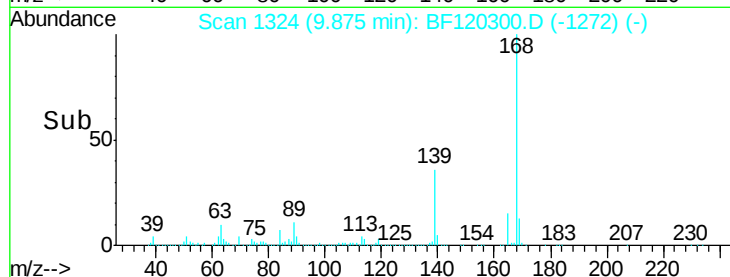
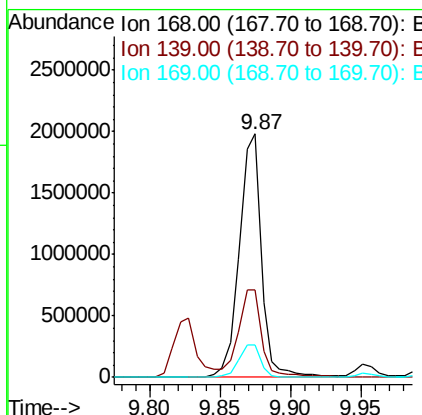
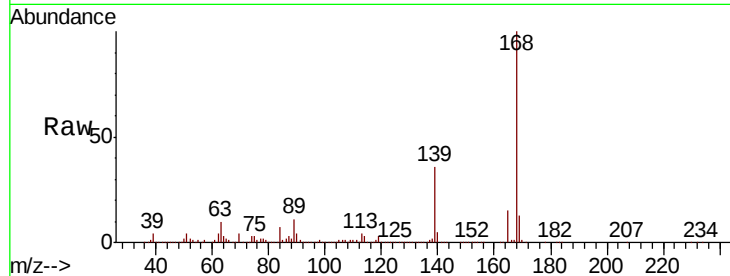
#55
Dibenzofuran
Concen: 39.454 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.8	44.6
169	13.4	11.0	16.6

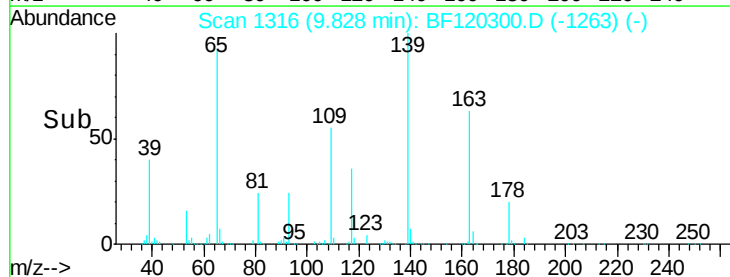
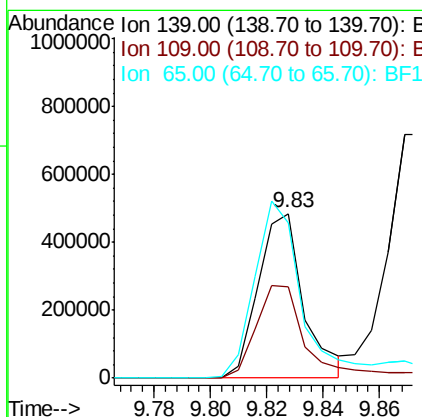
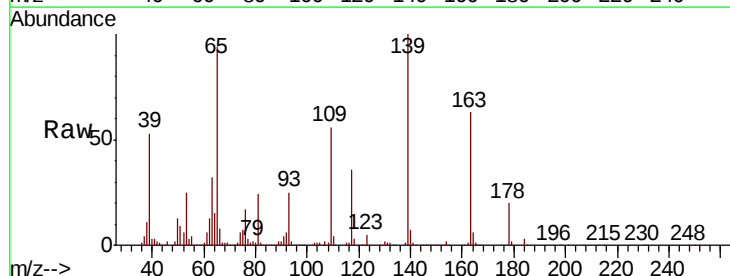
Manual Integrations
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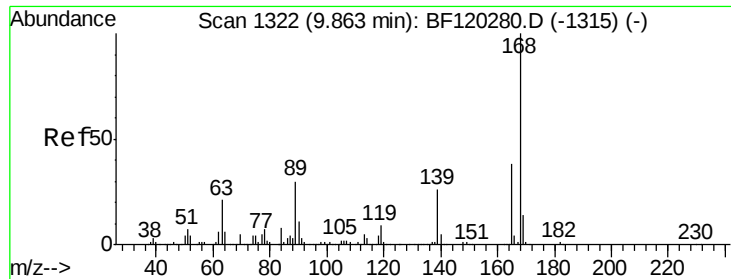
mohammad
5/18/2020 1:32:02 PM



#56
4-Nitrophenol
Concen: 75.388 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
139	100		
109	55.6	34.6	74.6
65	94.1	73.3	113.3





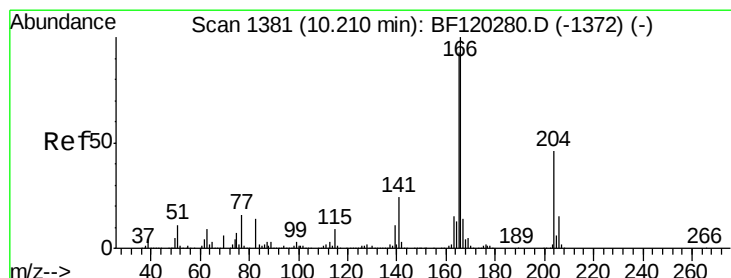
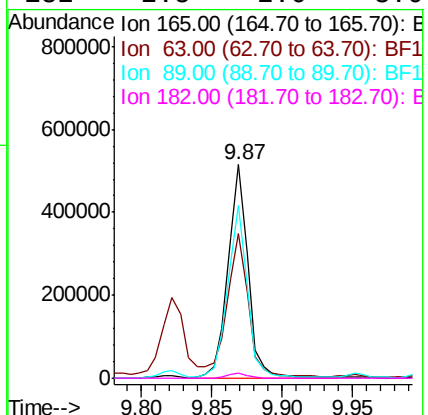
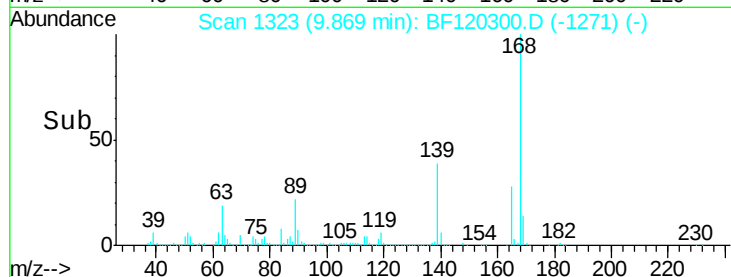
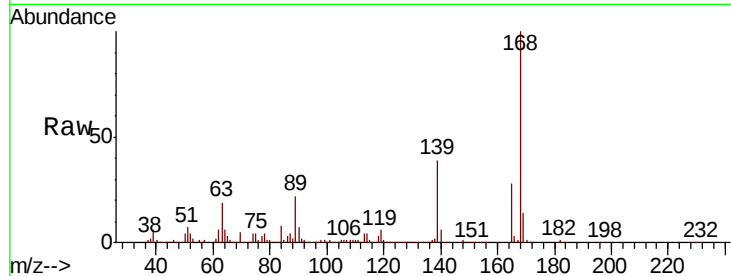
#57
2,4-Dinitrotoluene
Concen: 38.610 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	507361		
63	67.8	51.8	77.8	
89	81.2	64.2	96.4	
182	2.5	2.0	3.0	

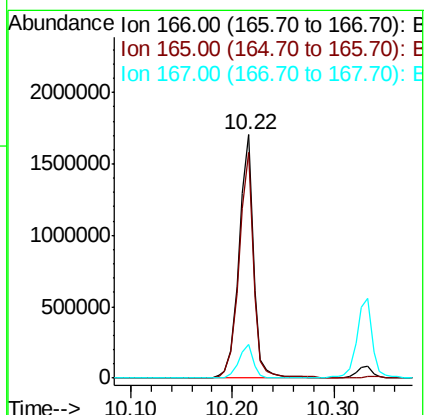
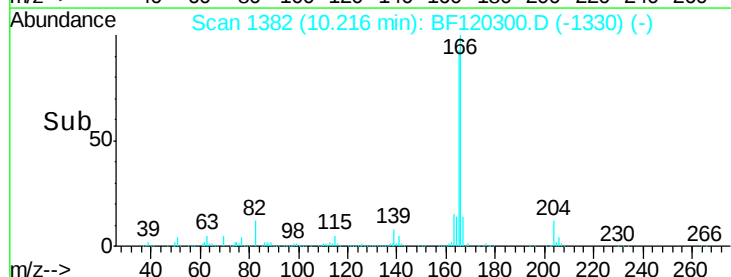
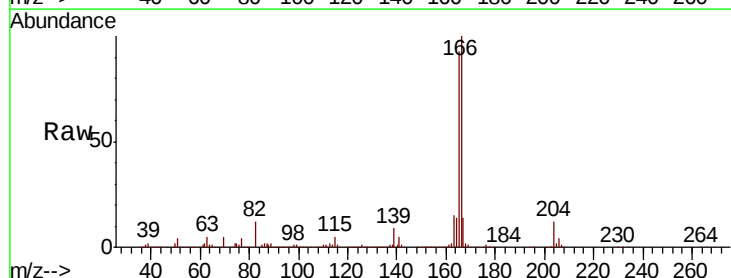
Manual Integrations
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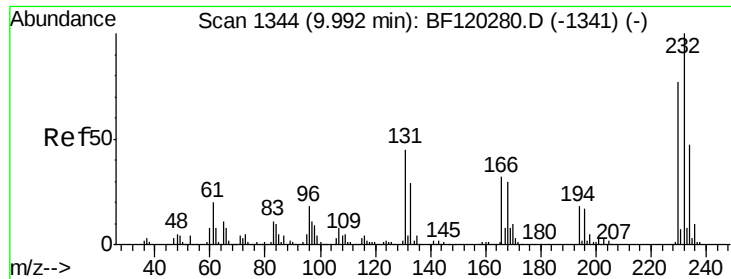
mohammad
5/18/2020 1:32:02 PM



#58
Fluorene
Concen: 40.586 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1700744		
165	92.9	74.7	112.1	
167	13.6	11.4	17.0	





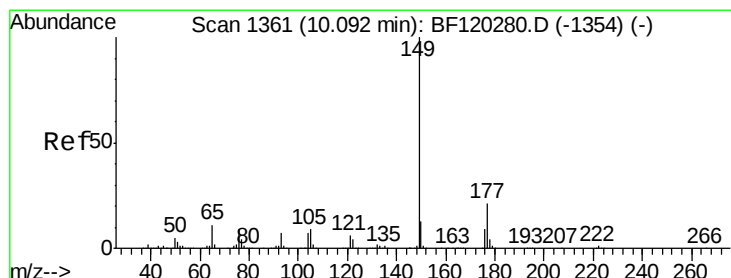
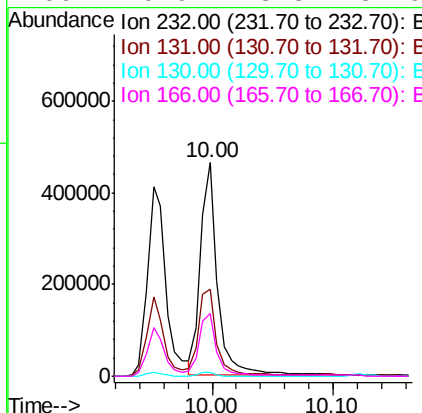
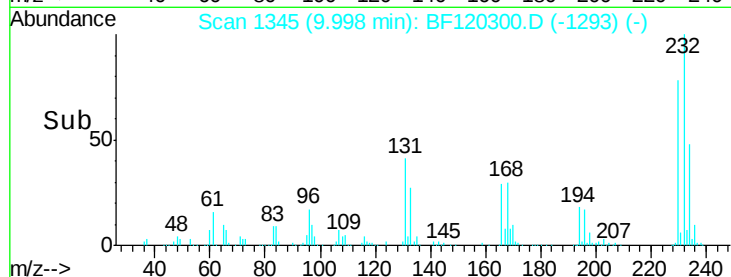
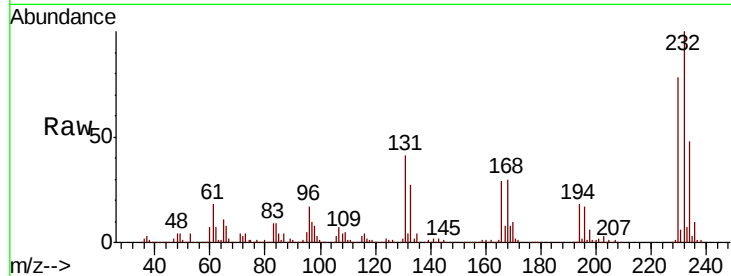
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.686 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.01 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	460936		
131	43.6		34.1	51.1
130	2.0		1.7	2.5
166	29.9		23.3	34.9

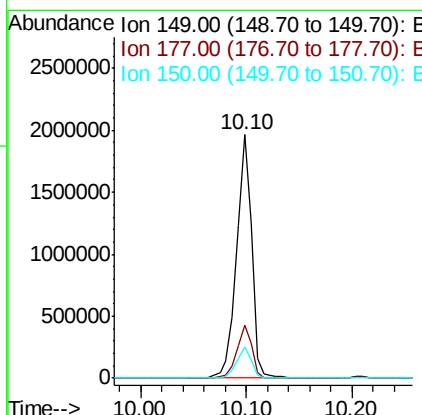
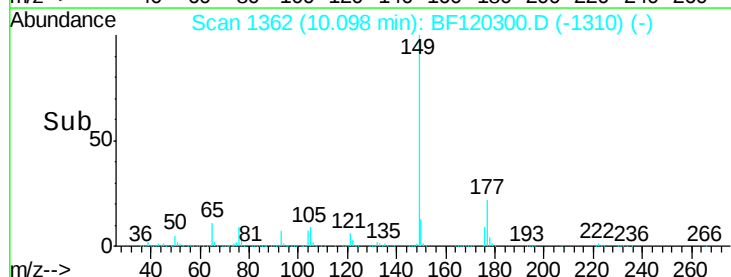
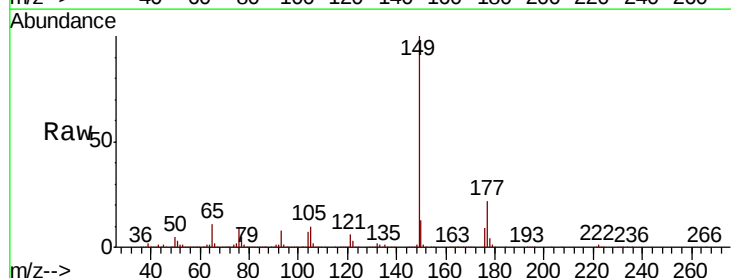
Manual Integrations
 APPROVED

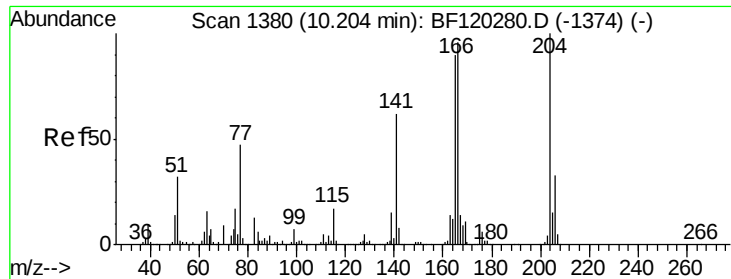
mohammad
 5/18/2020 1:32:02 PM



#60
 Diethylphthalate
 Concen: 39.698 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1923602		
177	21.9		17.1	25.7
150	12.9		10.3	15.5





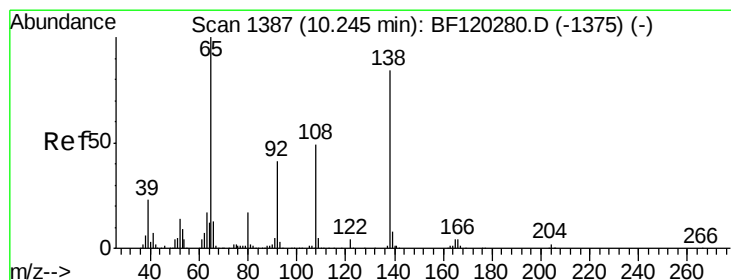
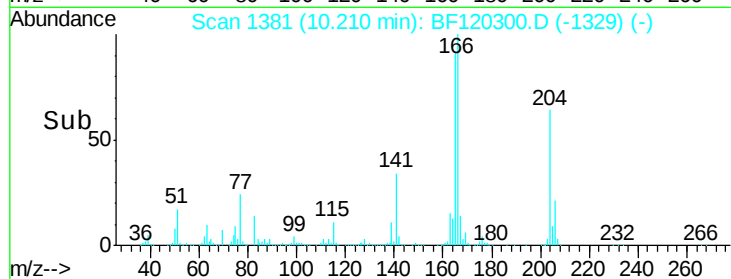
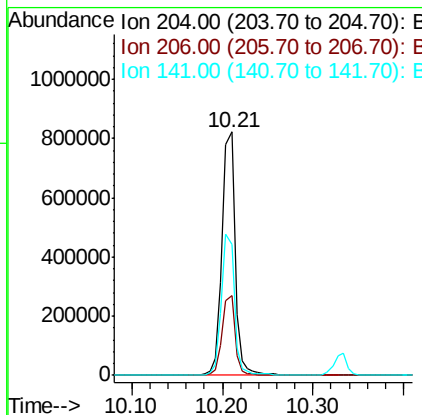
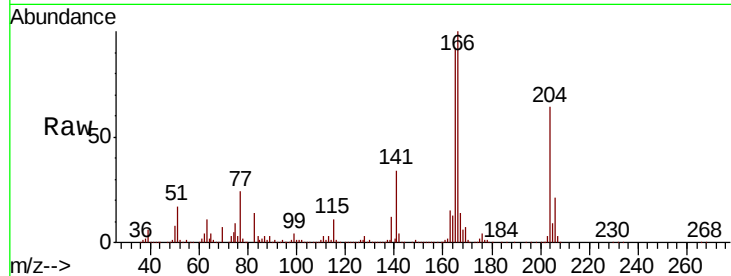
#61
4-Chlorophenyl-phenylether
Concen: 37.693 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampled :
239997MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.8	40.2
141	53.9	49.5	74.3

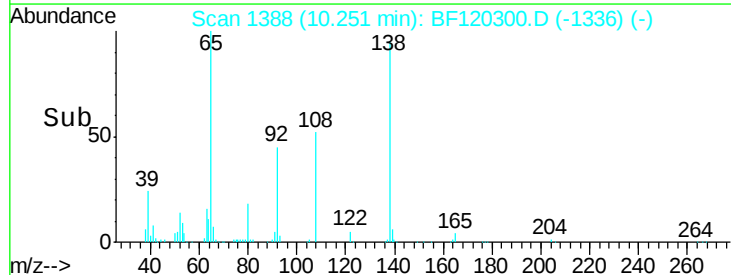
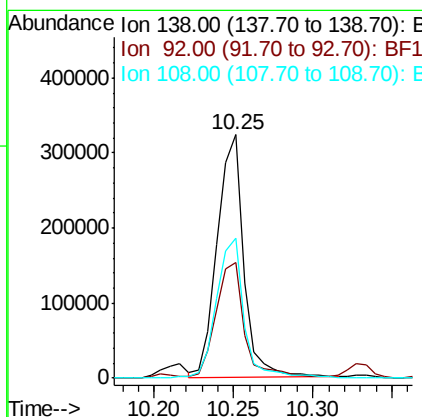
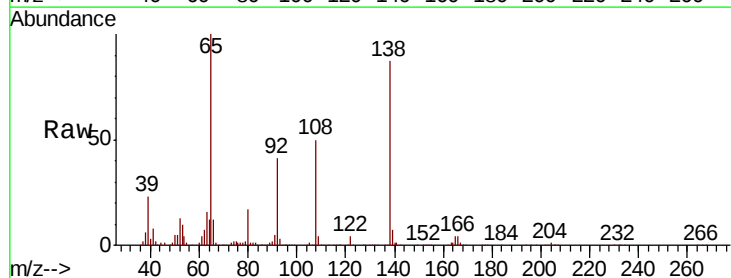
Manual Integrations
APPROVED

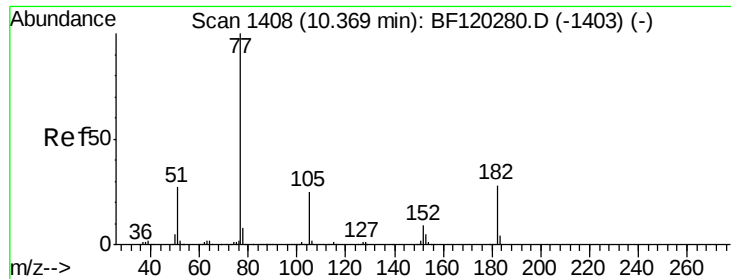
mohammad
5/18/2020 1:32:02 PM



#62
4-Nitroaniline
Concen: 30.103 ng
RT: 10.25 min Scan# 1388
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.3	28.9	68.9
108	57.5	38.4	78.4





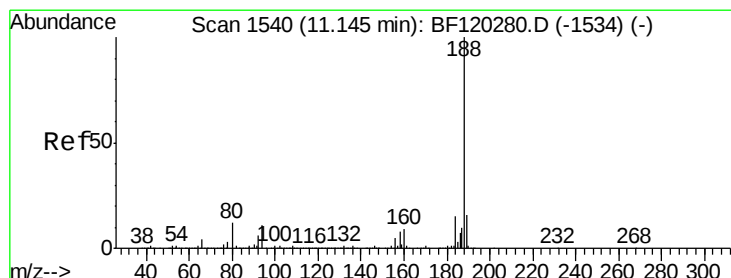
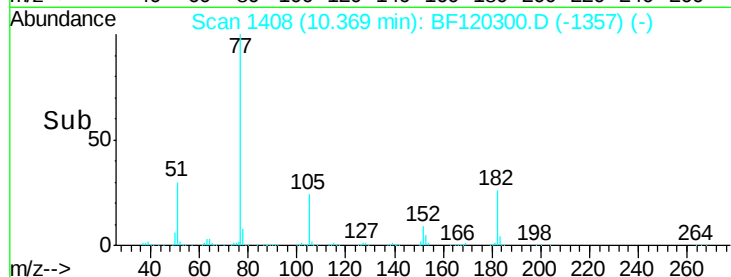
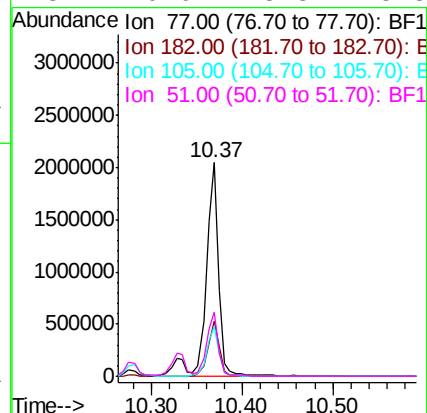
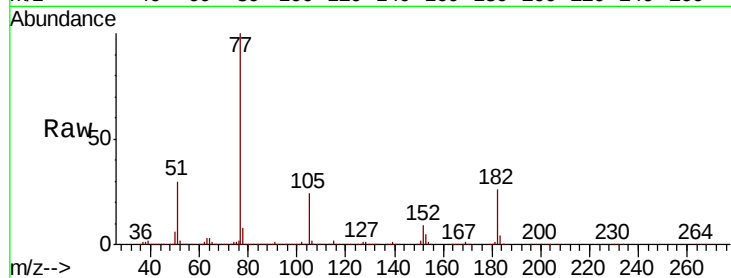
#63
Azobenzene
Concen: 40.648 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
77	100		
182	26.0	7.4	47.4
105	23.7	4.4	44.4
51	29.9	8.3	48.3

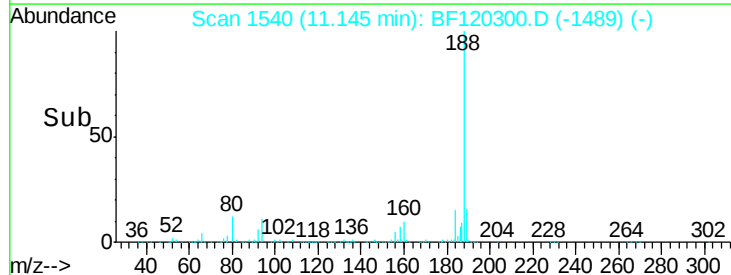
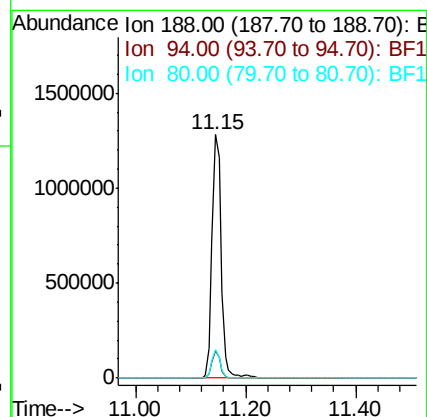
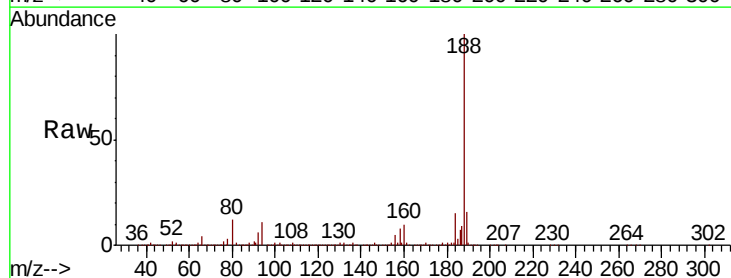
Manual Integrations
APPROVED

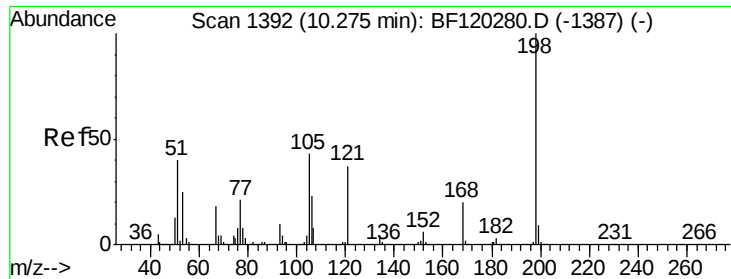
mohammad
5/18/2020 1:32:02 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.6	13.0
80	11.6	9.2	13.8





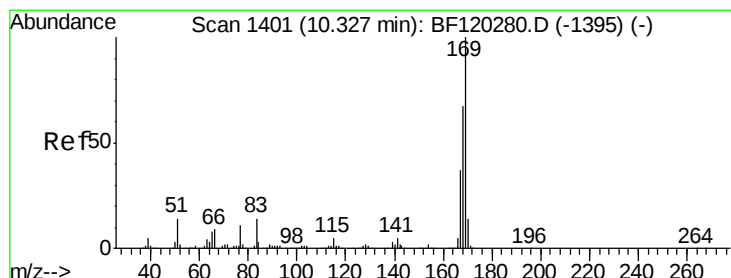
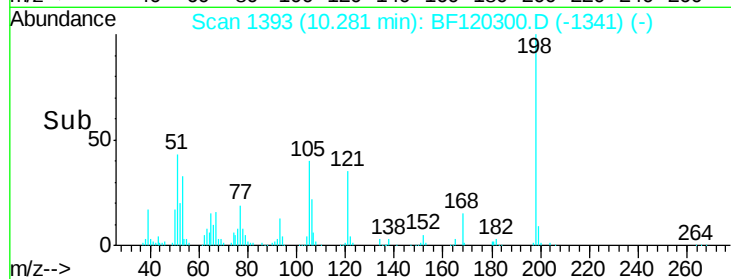
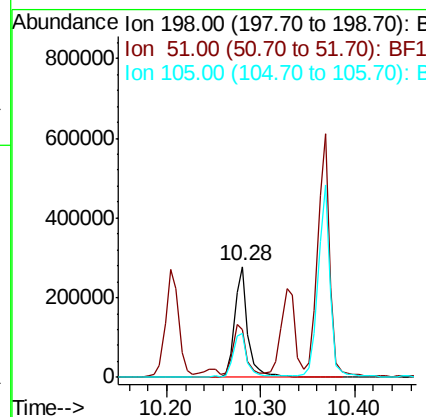
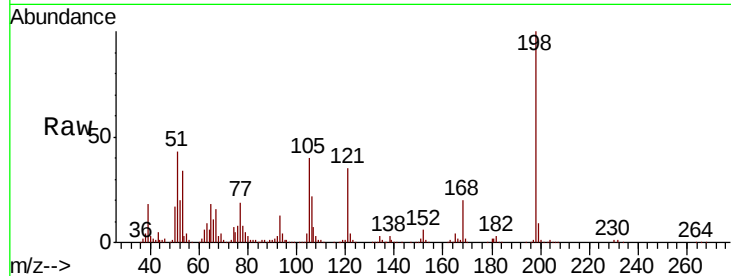
#65
4,6-Dinitro-2-methylphenol
Concen: 37.532 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	272762		
51	43.2	27.1	67.1	
105	39.9	24.3	64.3	

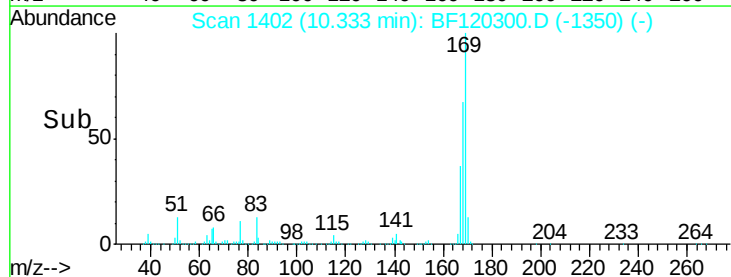
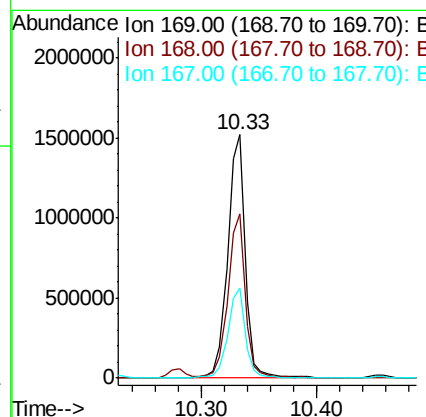
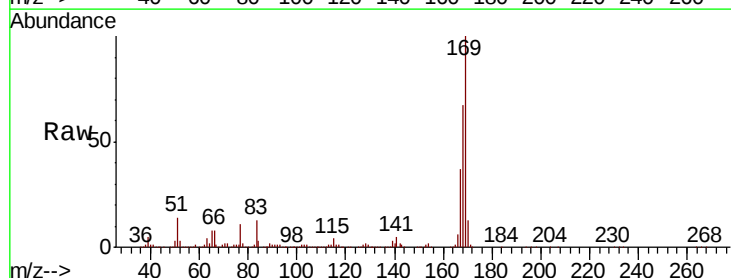
Manual Integrations
APPROVED

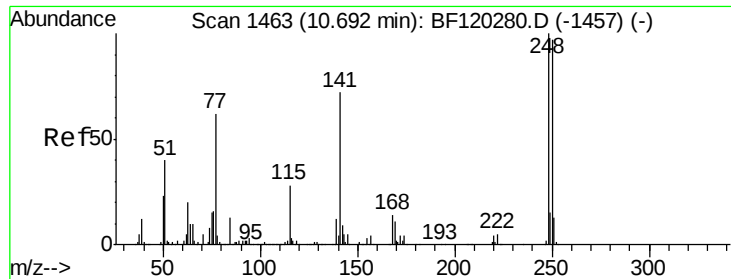
mohammad
5/18/2020 1:32:02 PM



#66
n-Nitrosodiphenylamine
Concen: 39.998 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1590173		
168	67.4	53.7	80.5	
167	37.0	29.8	44.6	





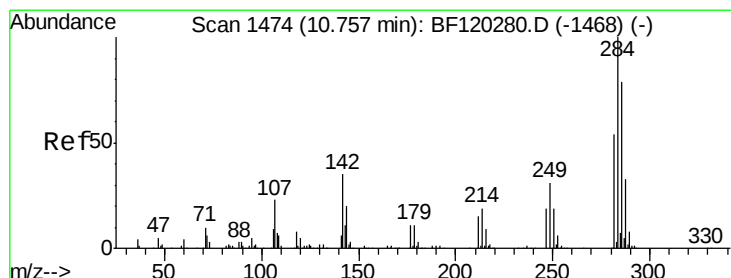
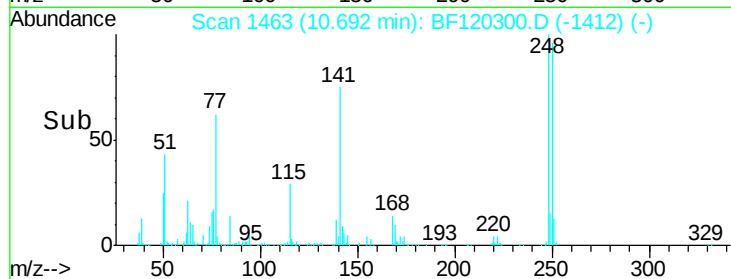
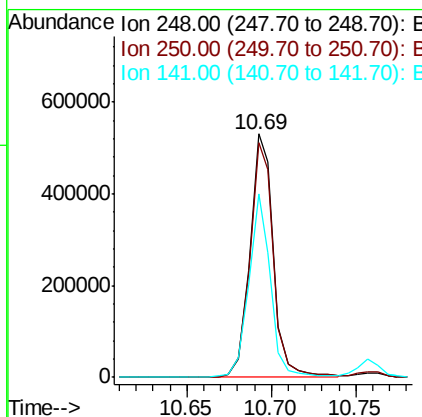
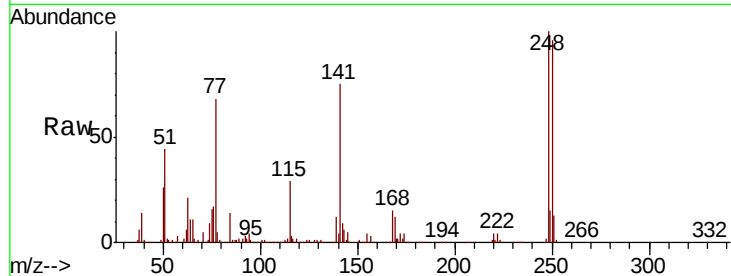
#67
4-Bromophenyl-phenylether
Concen: 36.950 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.8	116.6
141	75.3	57.7	86.5

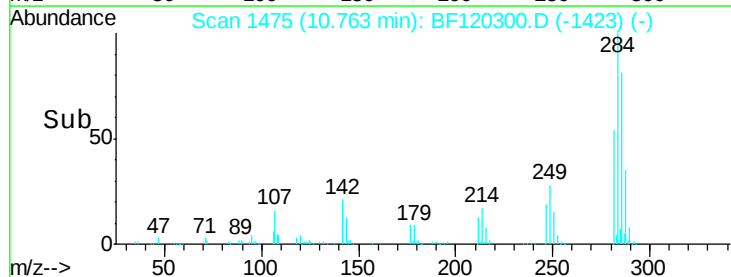
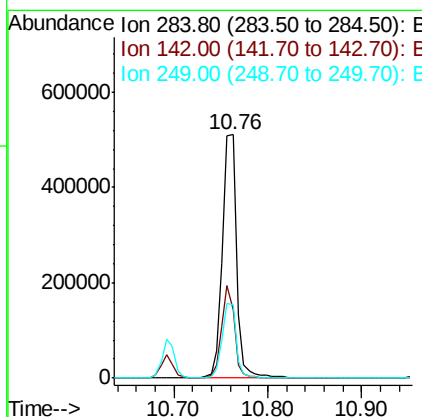
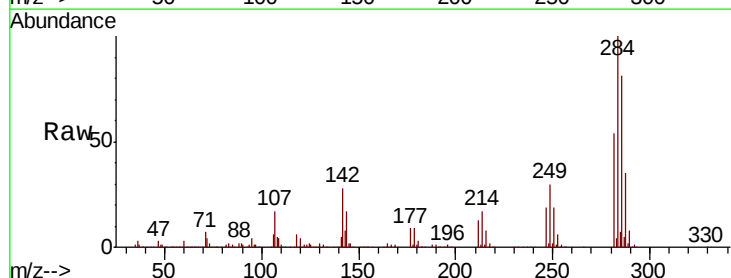
Manual Integrations
APPROVED

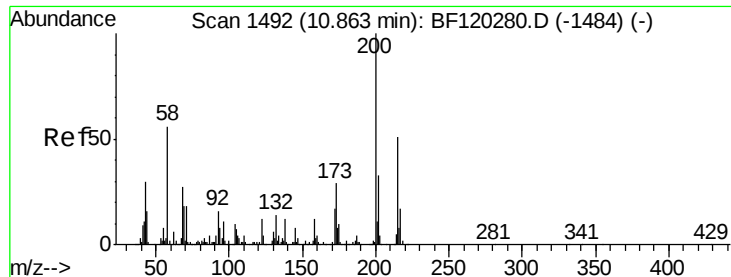
mohammad
5/18/2020 1:32:02 PM



#68
Hexachlorobenzene
Concen: 37.393 ng
RT: 10.76 min Scan# 1475
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.2	28.5	42.7#
249	30.3	24.8	37.2





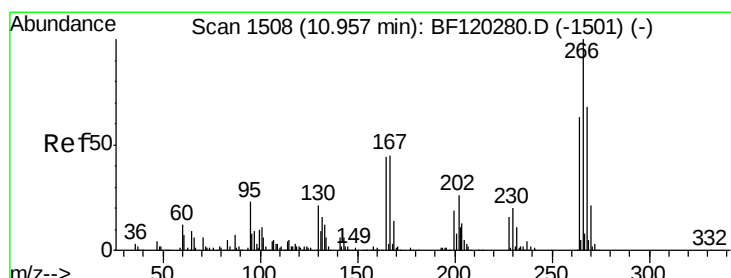
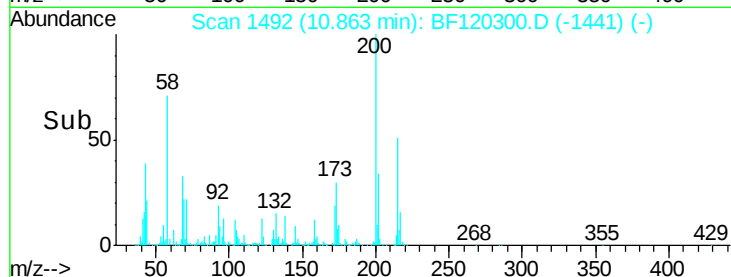
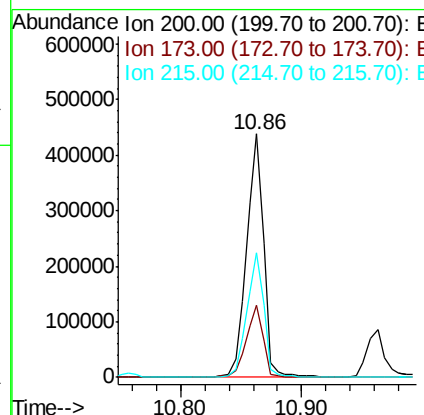
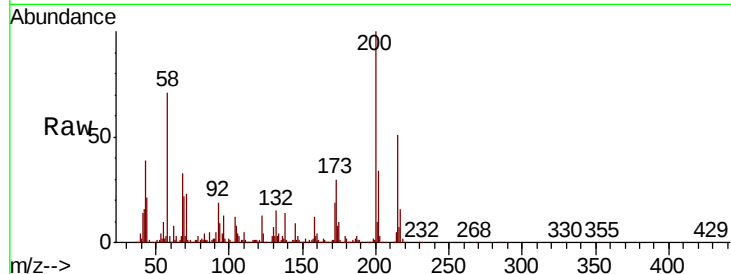
#69
Atrazine
Concen: 36.491 ng
RT: 10.86 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	434101		
173	29.7	8.7	48.7	
215	51.2	30.6	70.6	

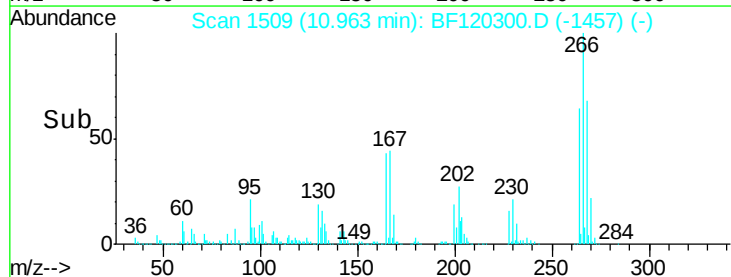
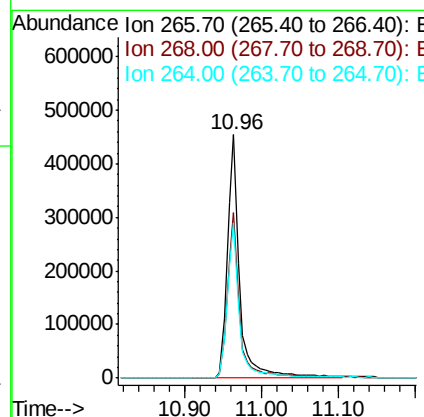
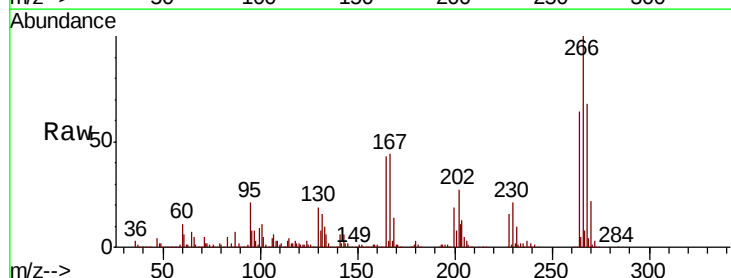
Manual Integrations
APPROVED

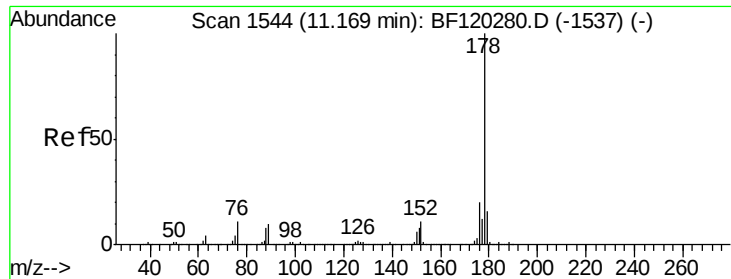
mohammad
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#70
Pentachlorophenol
Concen: 81.253 ng
RT: 10.96 min Scan# 1509
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	504145		
268	68.2	54.2	81.4	
264	64.0	50.2	75.4	





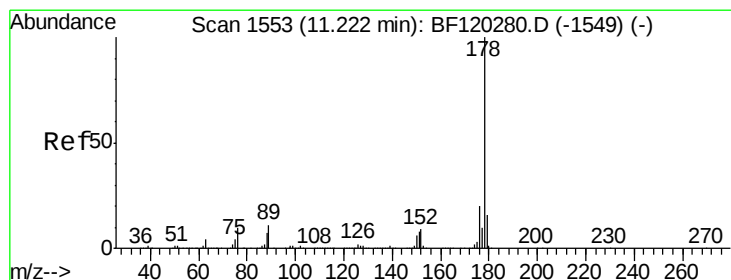
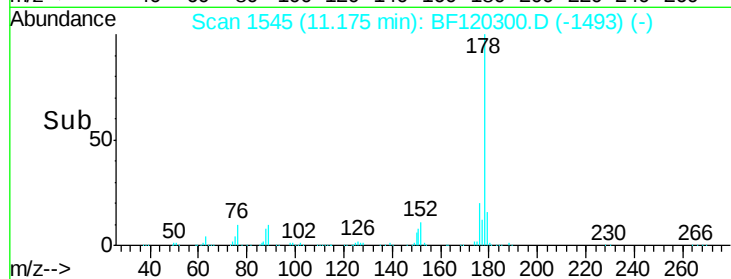
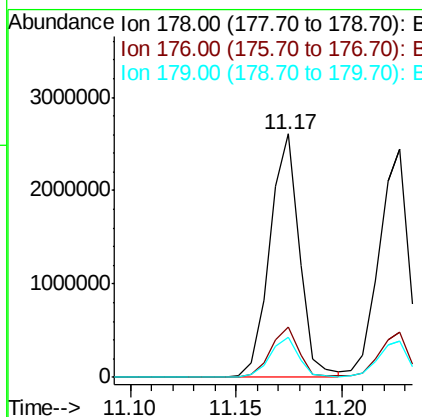
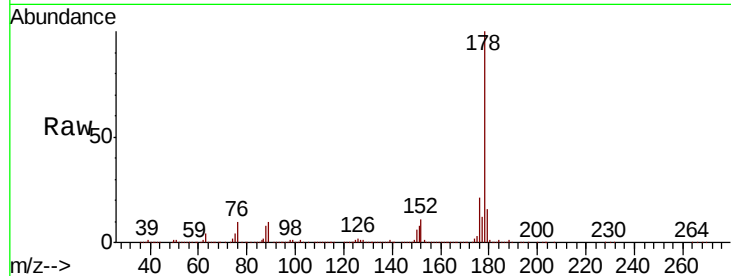
#71
Phenanthrene
Concen: 42.148 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion:178 Resp: 2545086
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.5 12.8 19.2

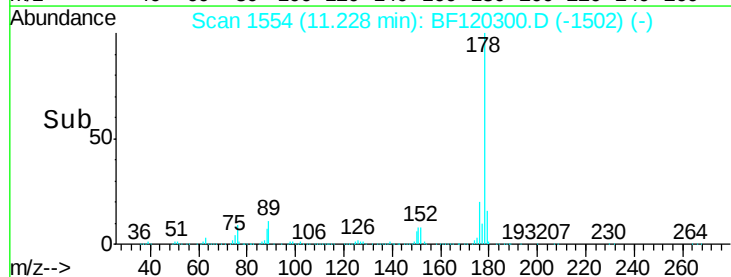
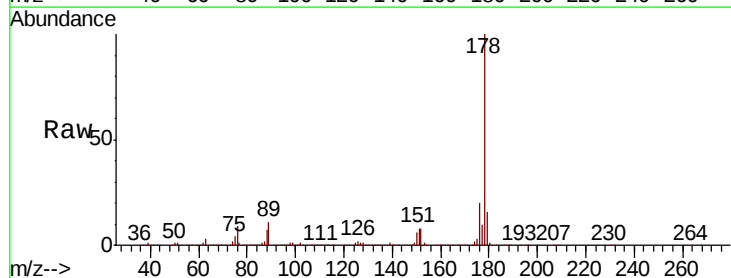
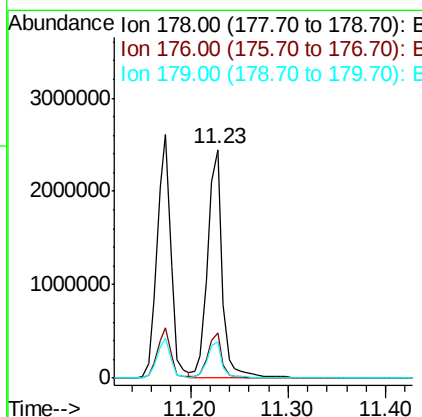
Manual Integrations
APPROVED

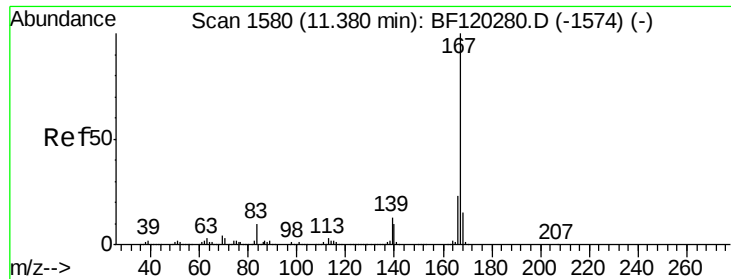
mohammad
5/18/2020 1:32:02 PM



#72
Anthracene
Concen: 39.652 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion:178 Resp: 2563273
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 16.0 13.0 19.6





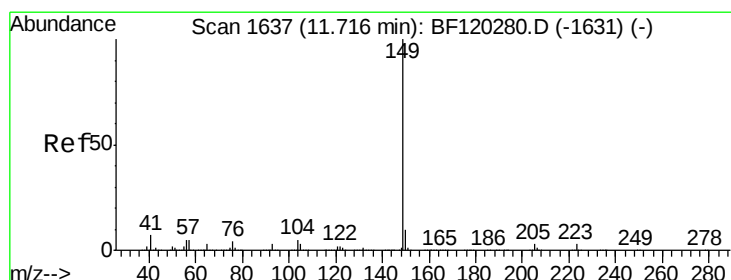
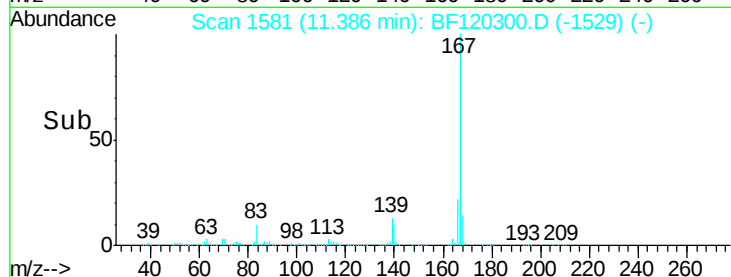
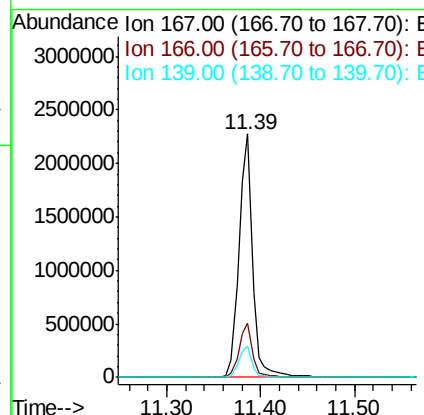
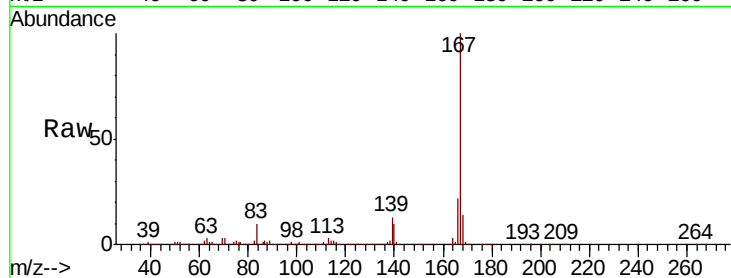
#73
 Carbazole
 Concen: 37.820 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	12.9	10.6	15.8

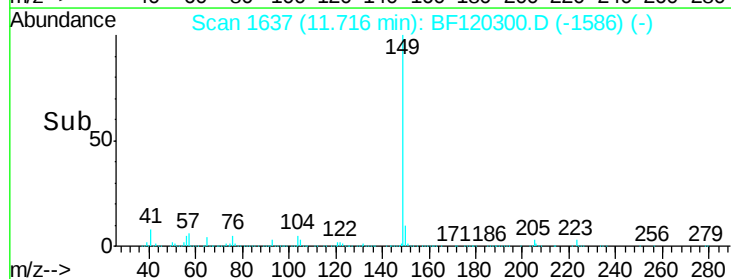
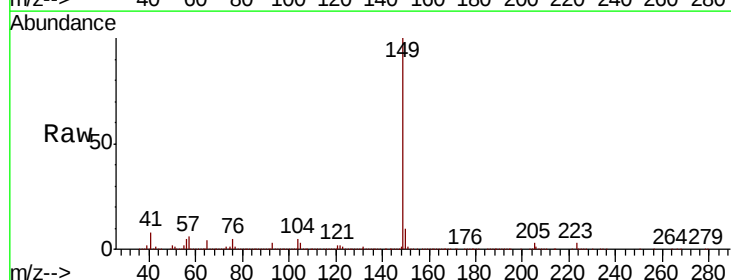
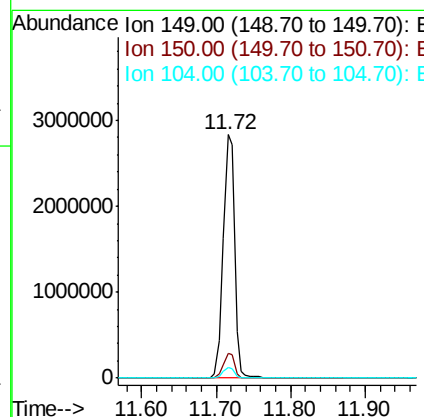
Manual Integrations
 APPROVED

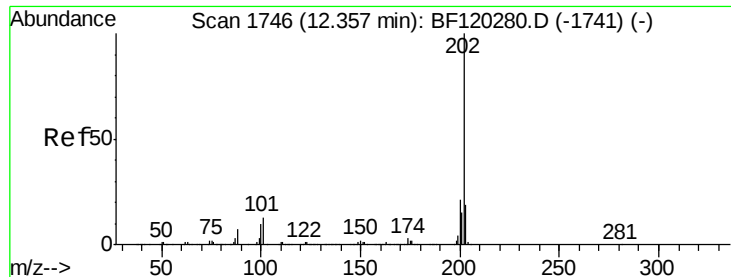
mohammad
 5/18/2020 1:32:02 PM



#74
 Di-n-butylphthalate
 Concen: 41.089 ng
 RT: 11.72 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	8.2	12.4
104	4.6	3.8	5.8





#75

Fluoranthene

Concen: 43.352 ng

RT: 12.36 min Scan# 1746

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

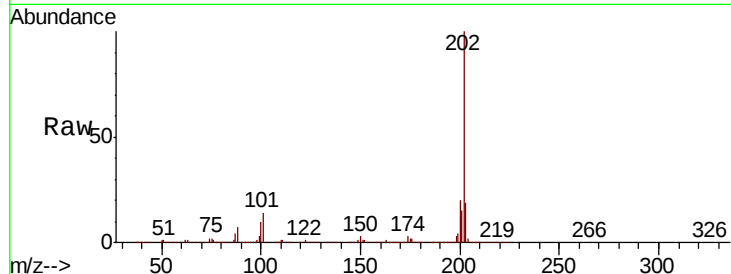
ClientSampleId :

239997MS

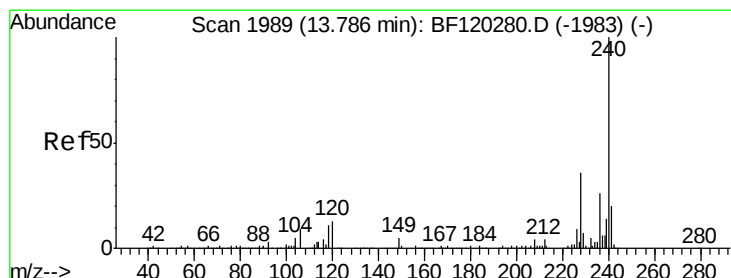
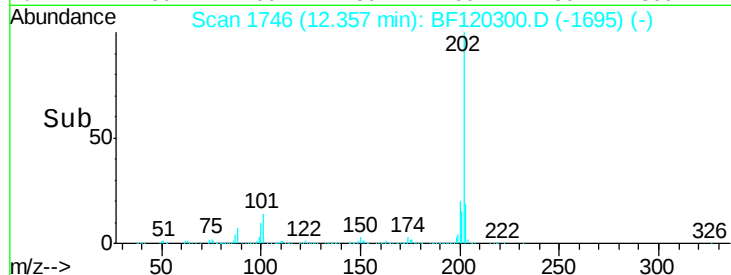
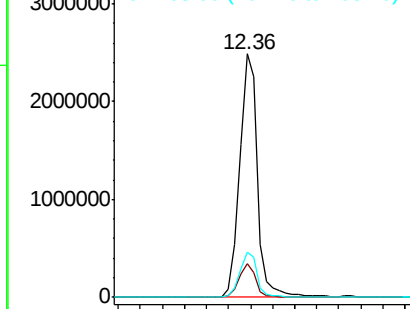
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		2805782		
101	13.9	0.0	33.2		
203	18.8	0.0	39.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

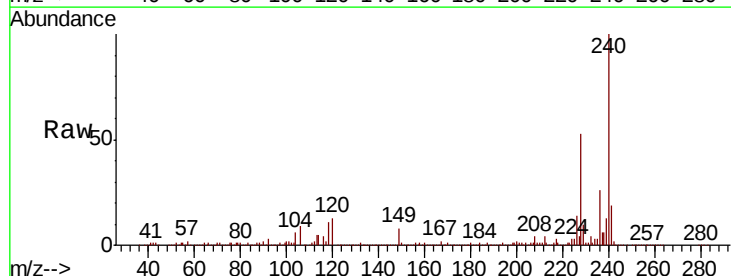
RT: 13.79 min Scan# 1989

Delta R.T. 0.00 min

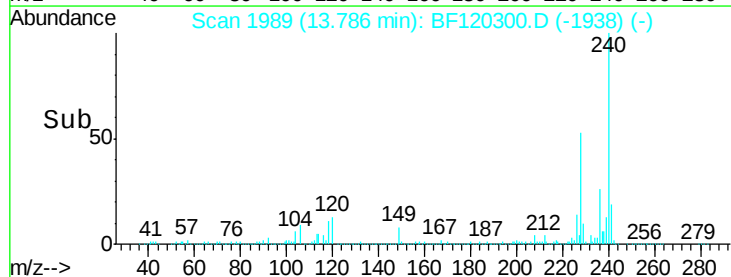
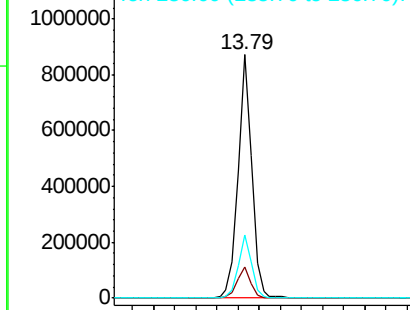
Lab File: BF120300.D

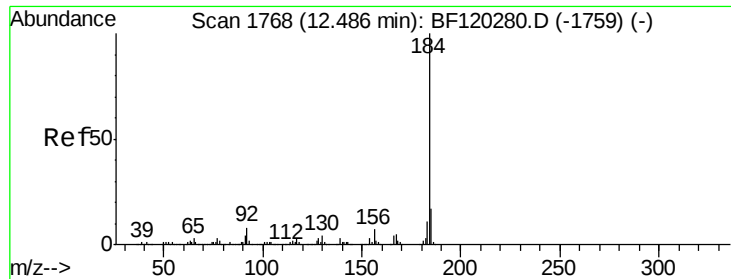
Acq: 14 May 2020 19:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		771835		
120	12.8	10.4	15.6		
236	26.2	21.0	31.6		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 46.450 ng

RT: 12.49 min Scan# 1768

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:184 Resp: 1046942

Ion Ratio Lower Upper

184 100

185 14.9 13.7 20.5

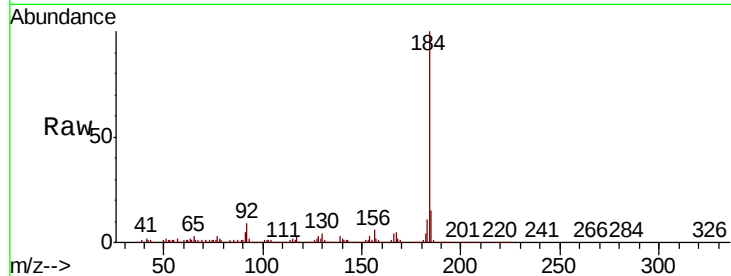
183 10.7 8.7 13.1

Manual Integrations

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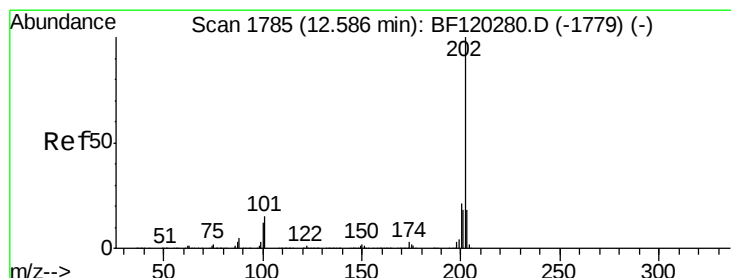
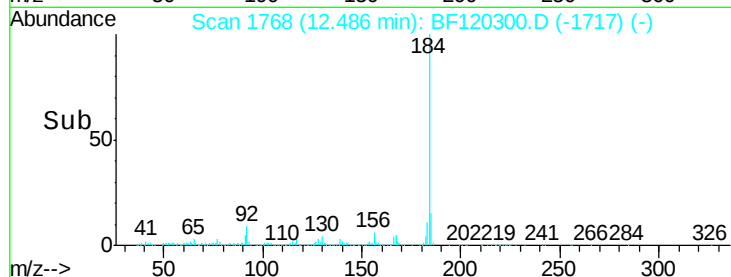
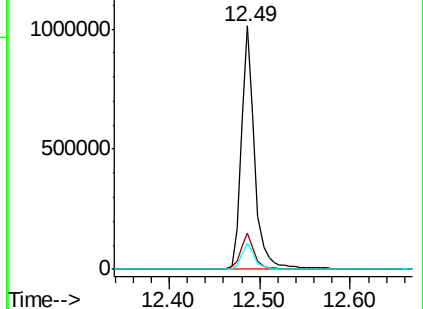
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 49.465 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

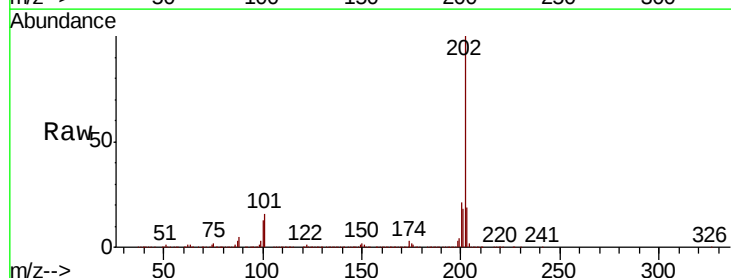
Tgt Ion:202 Resp: 2721761

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

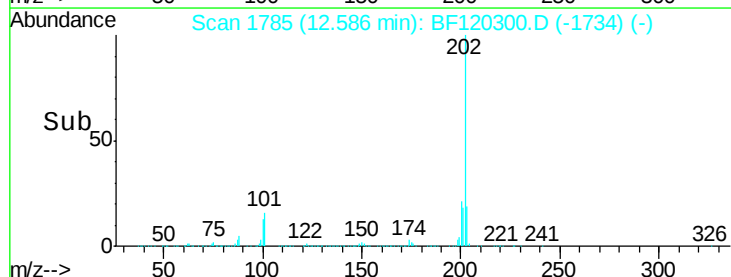
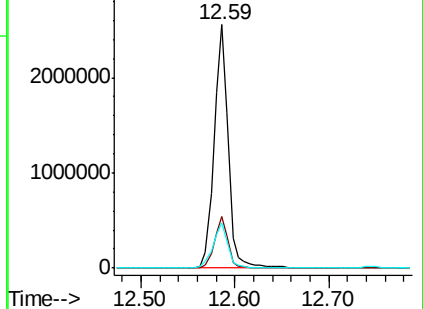
203 18.7 14.6 22.0

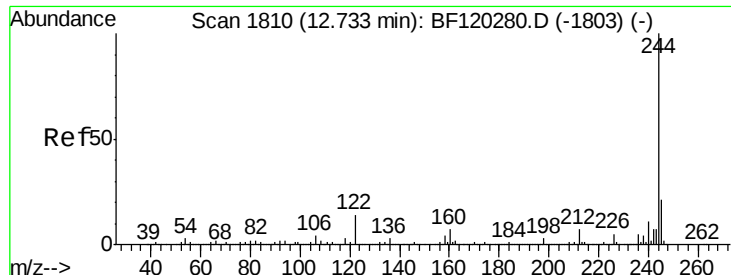


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





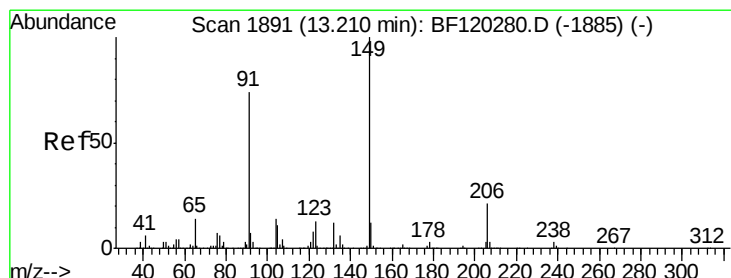
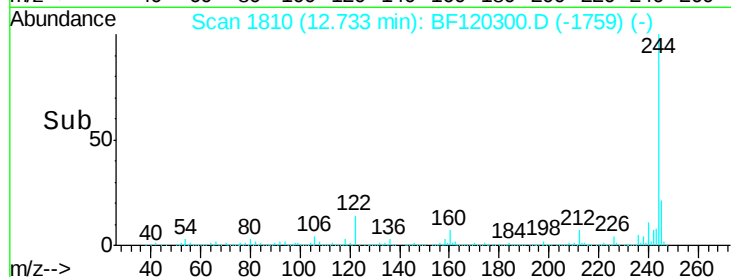
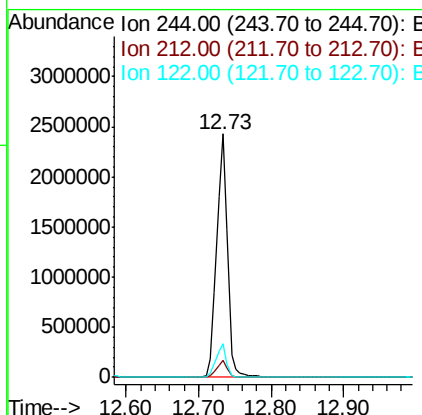
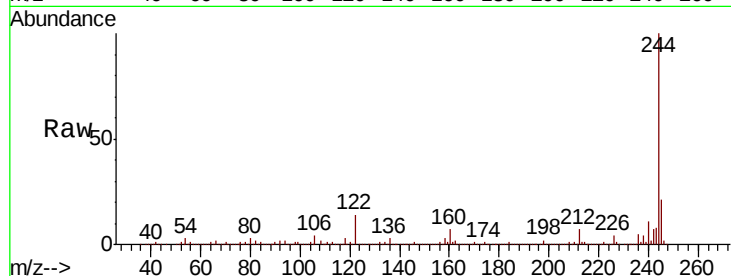
#79
 Terphenyl-d14
 Concen: 73.545 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Instrument :
 BNA_F
 ClientSampleId :
 239997MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	13.7	10.8	16.2

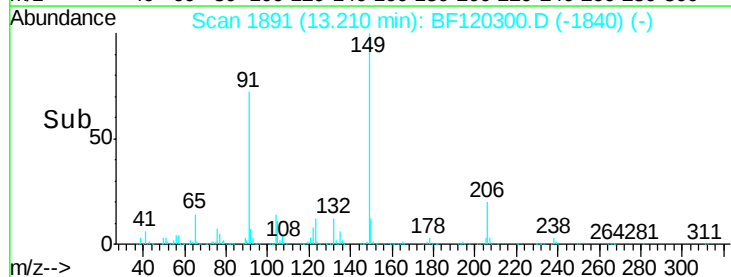
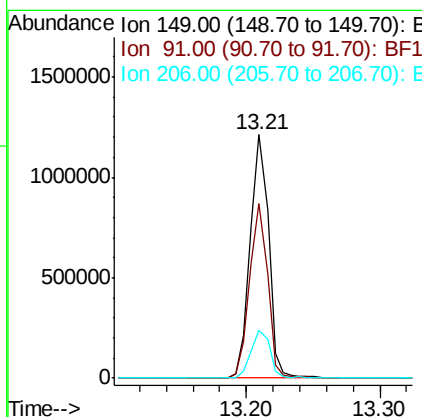
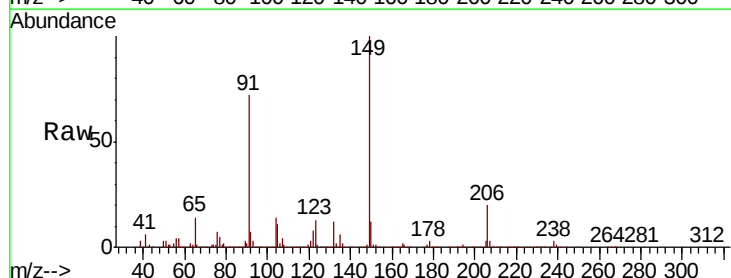
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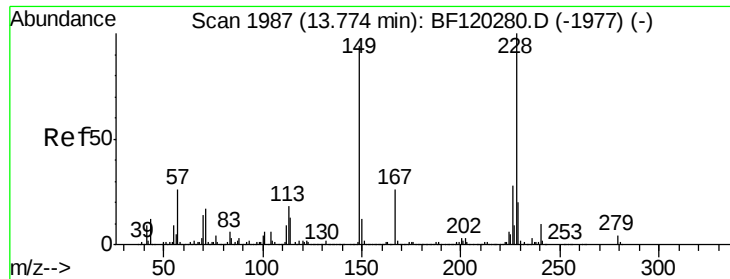
mohammad
 5/18/2020 1:32:02 PM



#80
 Butylbenzylphthalate
 Concen: 44.267 ng
 RT: 13.21 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: BF120300.D
 Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.8	59.0	88.4
206	19.8	16.8	25.2





#81

Benzo(a)anthracene

Concen: 43.203 ng

RT: 13.77 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:228 Resp: 1758760

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

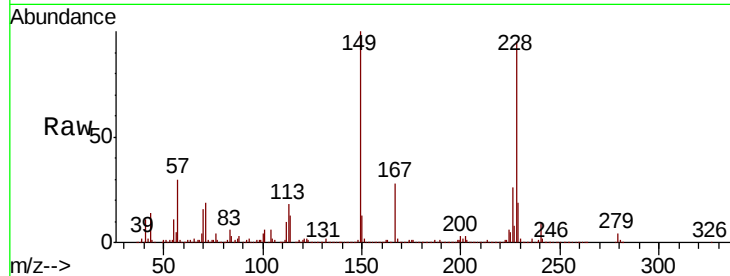
229 20.2 16.4 24.6

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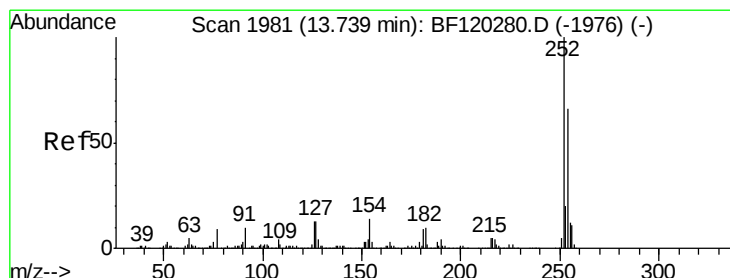
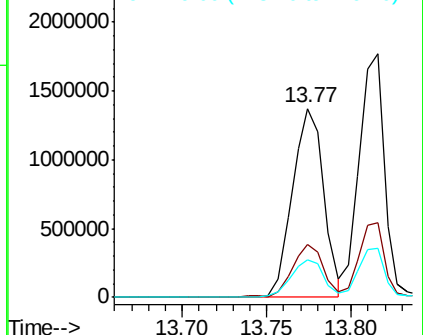
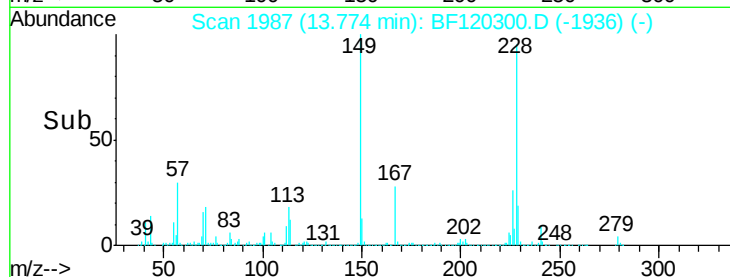
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 32.578 ng

RT: 13.74 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

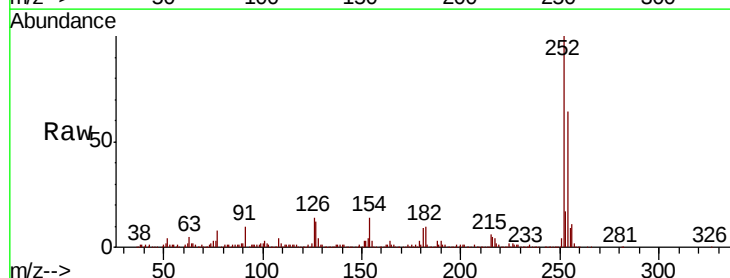
Tgt Ion:252 Resp: 499776

Ion Ratio Lower Upper

252 100

254 63.7 52.6 78.8

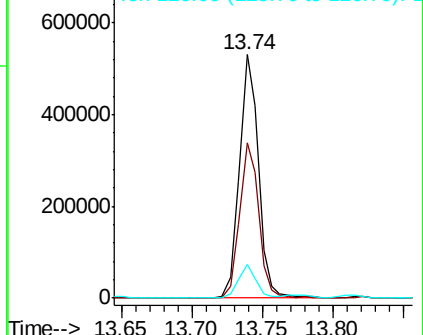
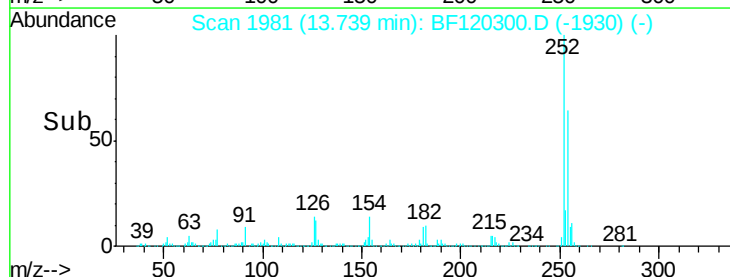
126 13.8 10.7 16.1

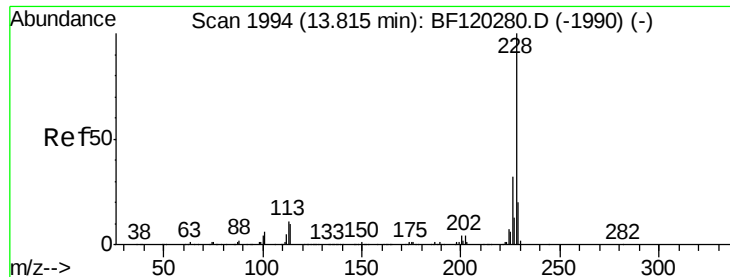


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





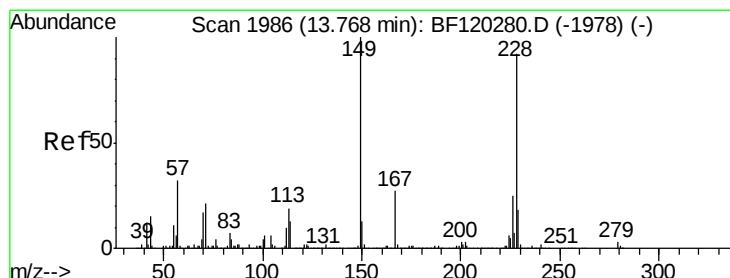
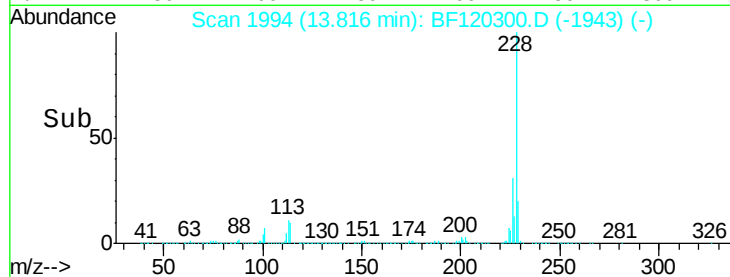
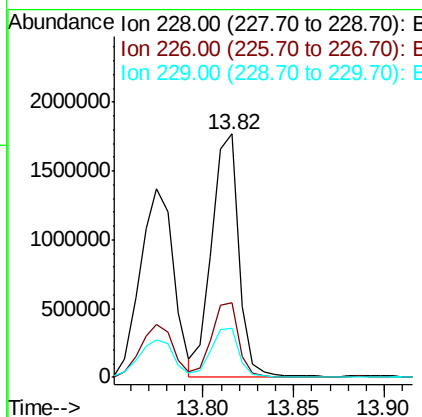
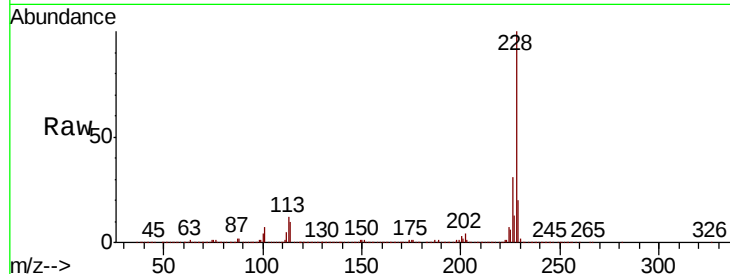
#83
Chrysene
Concen: 41.897 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion:228 Resp: 1831491
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 20.2 16.2 24.4

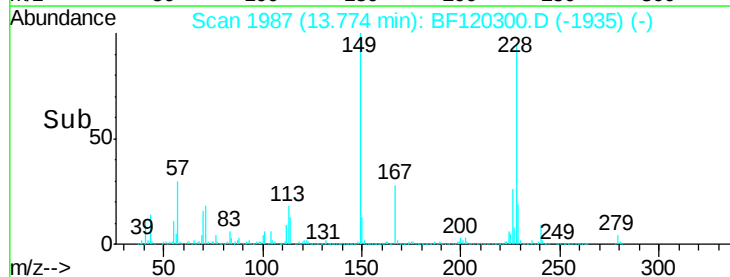
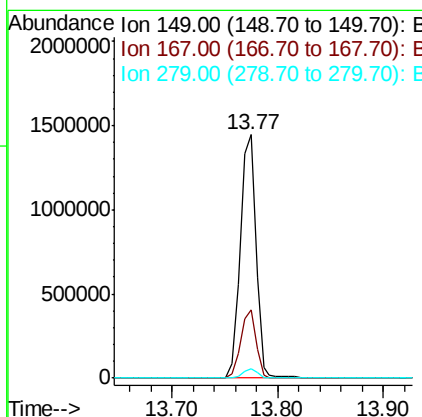
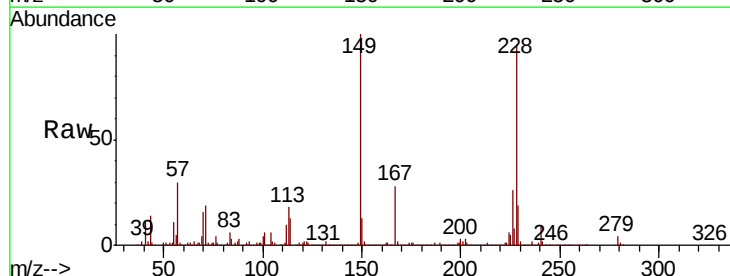
Manual Integrations
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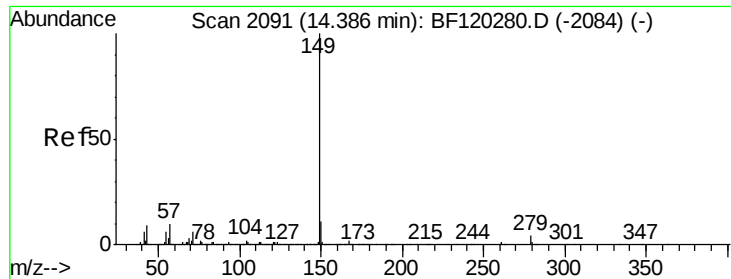
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 45.487 ng
RT: 13.77 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion:149 Resp: 1466335
Ion Ratio Lower Upper
149 100
167 27.9 21.8 32.8
279 3.9 2.8 4.2





#85

Di-n-octyl phthalate

Concen: 42.065 ng

RT: 14.39 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:149 Resp: 2439476

Ion Ratio Lower Upper

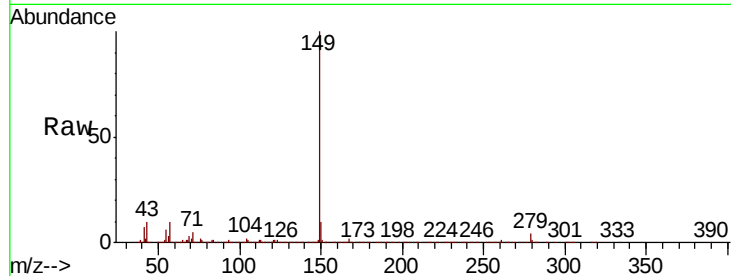
149 100

167 1.6 1.3 1.9

43 10.0 7.5 11.3

Manual Integrations
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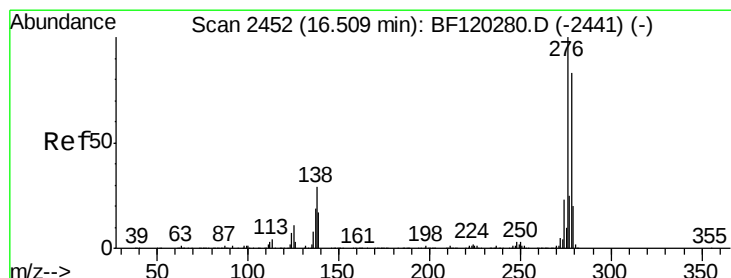
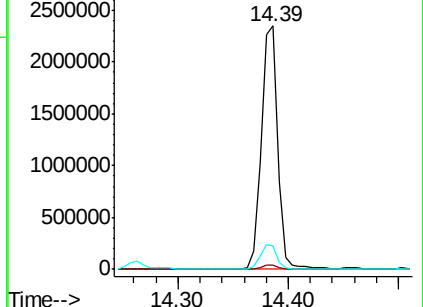
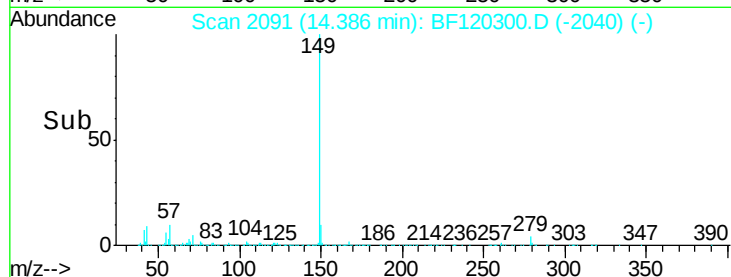
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 46.277 ng

RT: 16.51 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

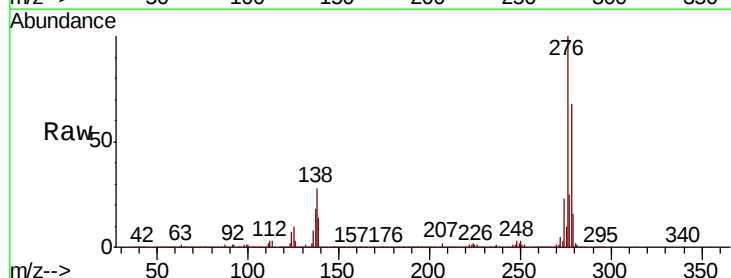
Tgt Ion:276 Resp: 1836033

Ion Ratio Lower Upper

276 100

138 28.6 23.3 34.9

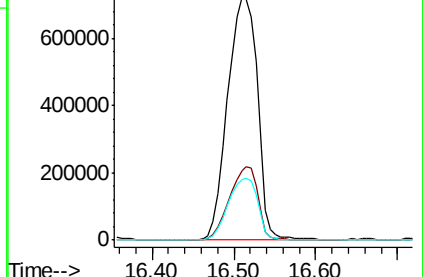
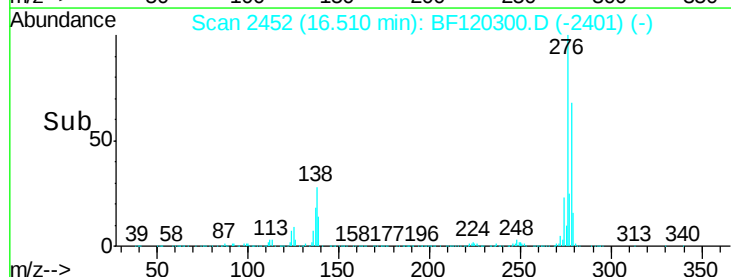
277 25.3 20.2 30.4

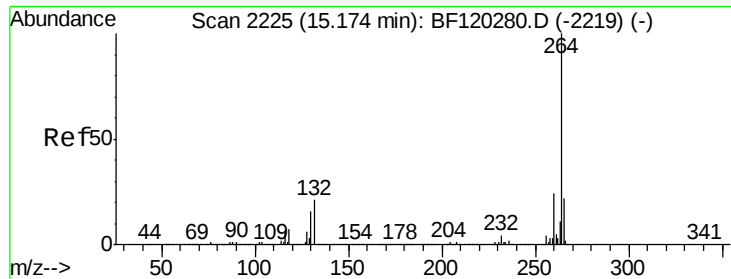


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





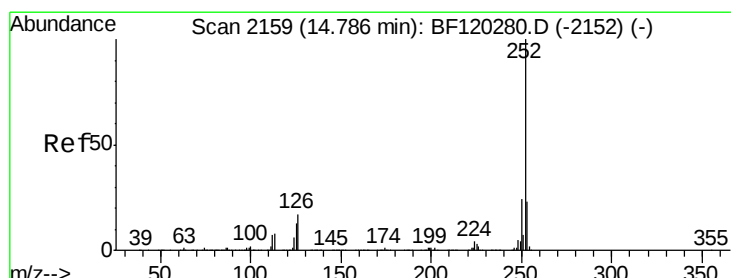
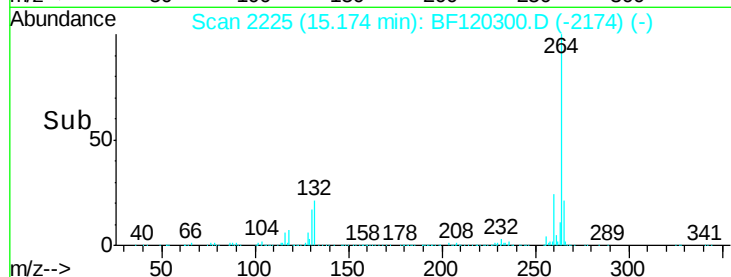
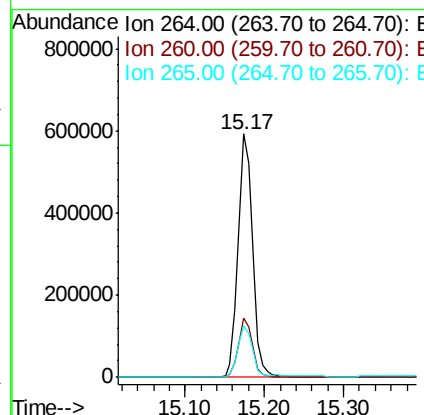
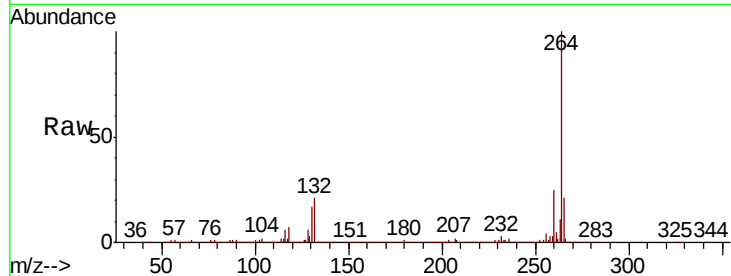
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	21.1	17.5	26.3

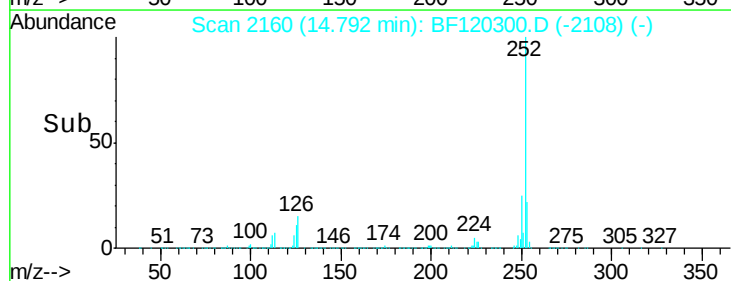
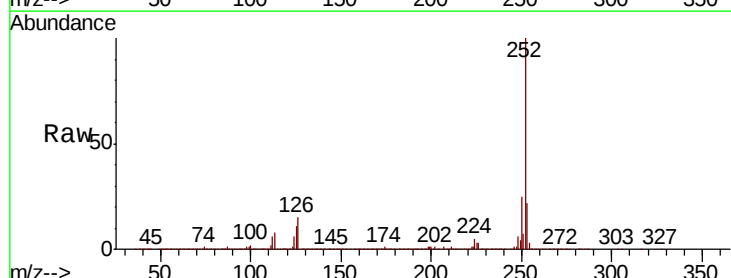
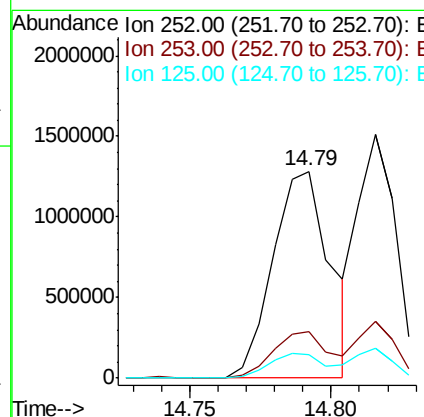
Manual Integrations
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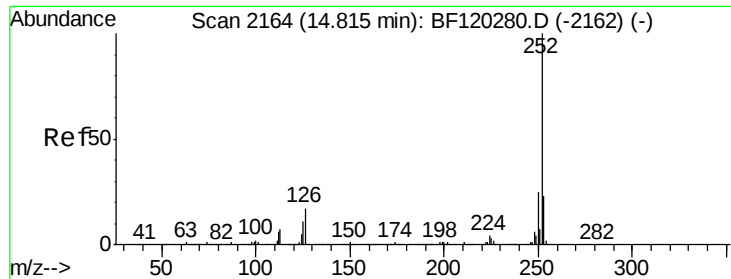
mohammad
5/18/2020 1:32:02 PM



#88
Benzo(b)fluoranthene
Concen: 43.335 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.01 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	11.3	10.4	15.6





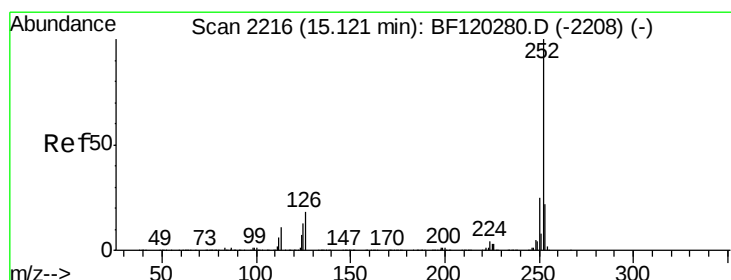
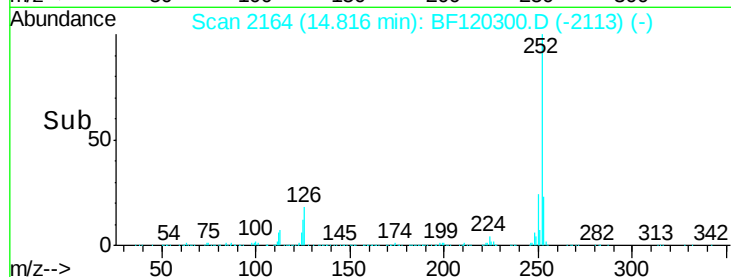
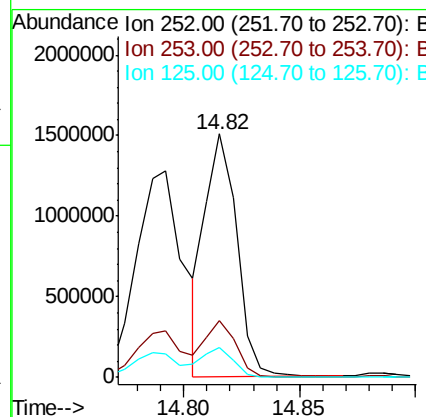
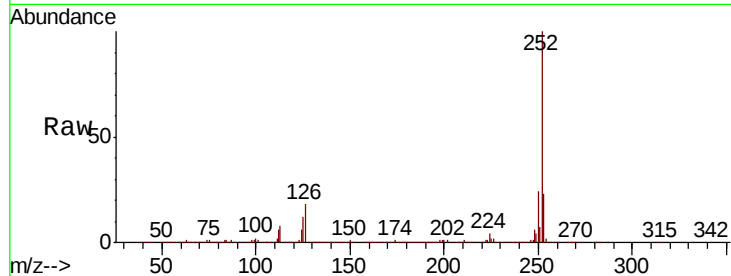
#89
Benzo(k)fluoranthene
Concen: 39.655 ng
RT: 14.82 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Instrument :
BNA_F
ClientSampleId :
239997MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	12.4	9.9	14.9

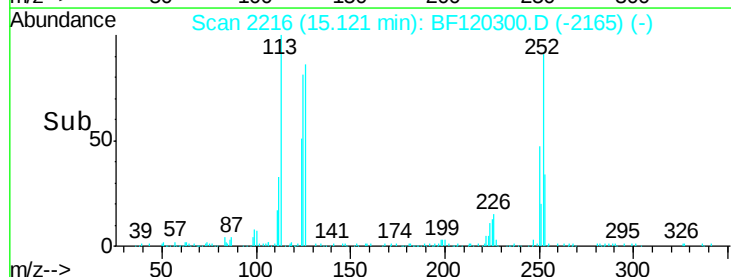
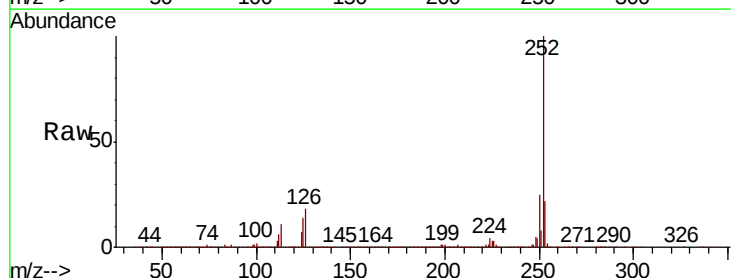
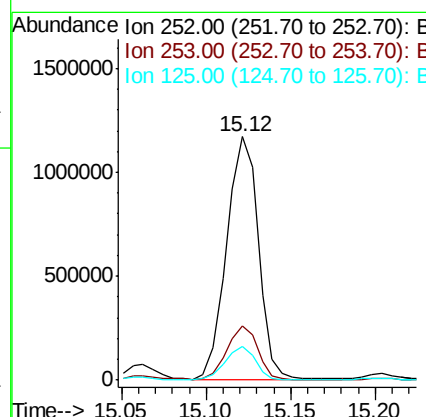
Manual Integrations
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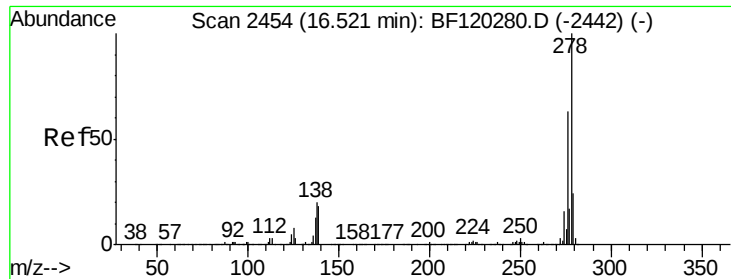
mohammad
5/18/2020 1:32:02 PM



#90
Benzo(a)pyrene
Concen: 41.252 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF120300.D
Acq: 14 May 2020 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	13.6	10.6	16.0





#91

Dibenzo(a,h)anthracene

Concen: 44.934 ng

RT: 16.52 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

Instrument :

BNA_F

ClientSampleId :

239997MS

Tot Ion:278 Resp: 1482597

Ion Ratio Lower Upper

278 100

139 18.9 14.7 22.1

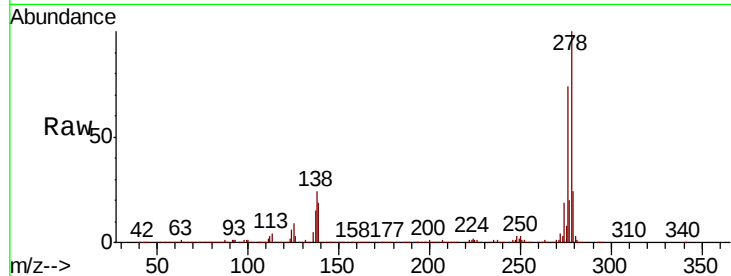
279 23.7 19.2 28.8

Manual Integrations

APPROVED

mohammad

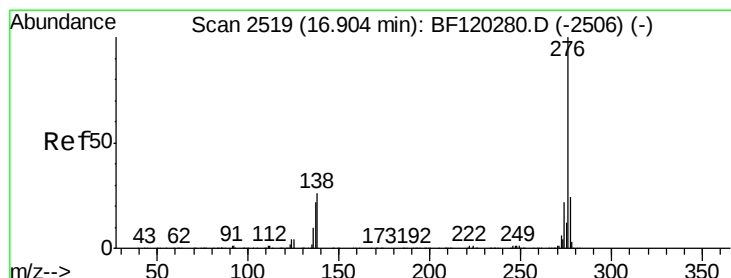
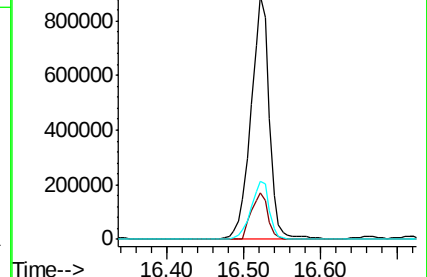
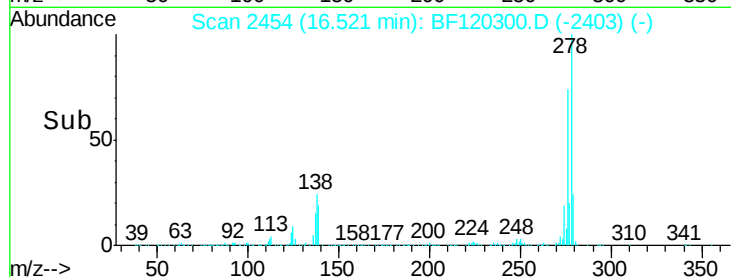
5/18/2020 1:32:02 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 47.818 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.01 min

Lab File: BF120300.D

Acq: 14 May 2020 19:38

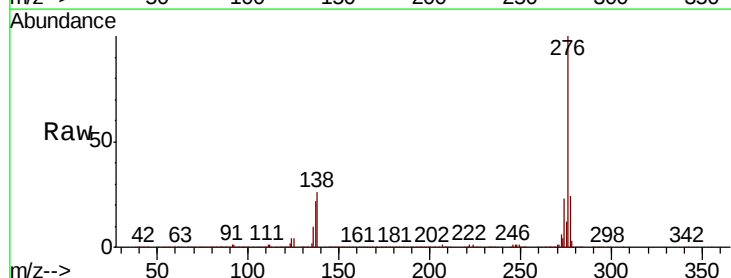
Tgt Ion:276 Resp: 1591009

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 25.9 20.8 31.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

