

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
 Data File : BF120360.D
 Acq On : 19 May 2020 13:34
 Operator : MA/SJ
 Sample : PB128986BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Manual Integrations
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Quant Time: May 19 14:13:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 13:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	255013	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	997408	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	480143	20.00	ng	0.00
64) Phenanthrene-d10	11.12	188	903116	20.00	ng	0.00
76) Chrysene-d12	13.77	240	631696	20.00	ng	0.00
87) Perylene-d12	15.15	264	565184	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1905353	145.38	ng	0.01
7) Phenol-d6	6.26	99	2361986	142.51	ng	0.00
23) Nitrobenzene-d5	7.17	82	1519420	104.30	ng	0.00
42) 2,4,6-Tribromophenol	10.43	330	588479	150.32	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2619412	112.08	ng	0.00
79) Terphenyl-d14	12.72	244	2992085	104.64	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.25	88	288571	55.35 ng	99
3) Pyridine	2.91	79	655011	39.97 ng	97
4) n-Nitrosodimethylamine	2.86	42	343648	53.55 ng	97
6) Aniline	6.26	93	627805	29.62 ng	92
8) 2-Chlorophenol	6.39	128	735847	48.15 ng	97
9) Benzaldehyde	6.14	77	442579	43.32 ng	99
10) Phenol	6.27	94	883744	45.68 ng	86
11) bis(2-Chloroethyl)ether	6.34	93	680693	44.04 ng	95
12) 1,3-Dichlorobenzene	6.53	146	720539	44.06 ng	99
13) 1,4-Dichlorobenzene	6.61	146	756923	44.94 ng	99
14) 1,2-Dichlorobenzene	6.76	146	671159	44.25 ng	98
15) Benzyl Alcohol	6.75	79	561987	47.73 ng	97
16) 2,2'-oxybis(1-Chloropropan	6.88	45	1148372	47.15 ng	76
17) 2-Methylphenol	6.87	107	572477	44.38 ng	95
18) Hexachloroethane	7.10	117	279546	43.57 ng	99
19) n-Nitroso-di-n-propylamine	7.02	70	498526	45.91 ng	92
20) 3+4-Methylphenols	7.03	107	743647	44.34 ng	96
22) Acetophenone	7.02	105	988153	48.36 ng	97
24) Nitrobenzene	7.19	77	746361	47.61 ng	96
25) Isophorone	7.43	82	1401619	46.24 ng	99
26) 2-Nitrophenol	7.50	139	400284	48.82 ng	94
27) 2,4-Dimethylphenol	7.56	122	620521	52.02 ng	97
28) bis(2-Chloroethoxy)methane	7.65	93	888515	46.64 ng	99
29) 2,4-Dichlorophenol	7.76	162	580675	47.40 ng	97
30) 1,2,4-Trichlorobenzene	7.83	180	621590	45.79 ng	98
31) Naphthalene	7.90	128	2016025	47.89 ng	99
32) Benzoic acid	7.72	122	373174	47.73 ng	99
33) 4-Chloroaniline	7.96	127	359540	18.74 ng	98
34) Hexachlorobutadiene	8.02	225	343998	43.84 ng	98
35) Caprolactam	8.35	113	181394m	45.26 ng	
36) 4-Chloro-3-methylphenol	8.47	107	613426	46.29 ng	100
37) 2-Methylnaphthalene	8.60	142	1303526	45.25 ng	98
38) 1-Methylnaphthalene	8.70	142	1242521	44.47 ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.77	216	573511	47.37 ng	99

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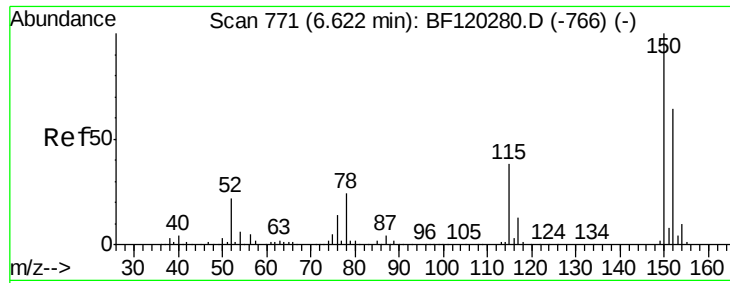
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.75	237	461182	91.32	ng	99
43) 2,4,6-Trichlorophenol	8.89	196	382199	47.03	ng	100
44) 2,4,5-Trichlorophenol	8.93	196	412026	44.15	ng	98
46) 1,1'-Biphenyl	9.06	154	1521338	48.36	ng	99
47) 2-Chloronaphthalene	9.09	162	1160234	45.98	ng	100
48) 2-Nitroaniline	9.19	65	416740	45.26	ng	98
49) Acenaphthylene	9.50	152	1828994	47.45	ng	99
50) Dimethylphthalate	9.37	163	1381691	45.52	ng	99
51) 2,6-Dinitrotoluene	9.44	165	308254	45.50	ng	95
52) Acenaphthene	9.67	154	1079127	46.70	ng	100
53) 3-Nitroaniline	9.60	138	168895	20.91	ng	97
54) 2,4-Dinitrophenol	9.72	184	305736	95.61	ng	95
55) Dibenzofuran	9.85	168	1604166	48.21	ng	99
56) 4-Nitrophenol	9.80	139	398362	91.77	ng	93
57) 2,4-Dinitrotoluene	9.85	165	380079	47.83	ng	92
58) Fluorene	10.19	166	1269602	50.10	ng	99
59) 2,3,4,6-Tetrachlorophenol	9.97	232	338823	48.24	ng	100
60) Diethylphthalate	10.07	149	1381556	47.15	ng	100
61) 4-Chlorophenyl-phenylether	10.18	204	607588	46.12	ng	98
62) 4-Nitroaniline	10.23	138	323626	43.02	ng	100
63) Azobenzene	10.35	77	1368514	49.41	ng	96
65) 4,6-Dinitro-2-methylphenol	10.26	198	217514	47.62	ng	89
66) n-Nitrosodiphenylamine	10.31	169	1175854	47.06	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	384968	43.93	ng	98
68) Hexachlorobenzene	10.74	284	419144	45.72	ng	93
69) Atrazine	10.84	200	337175	45.10	ng	97
70) Pentachlorophenol	10.94	266	360049	92.34	ng	99
71) Phenanthrene	11.15	178	1797581	47.37	ng	100
72) Anthracene	11.20	178	1978332	48.70	ng	99
73) Carbazole	11.36	167	1800745	47.44	ng	99
74) Di-n-butylphthalate	11.70	149	2271962	49.66	ng	99
75) Fluoranthene	12.34	202	2048058	50.35	ng	96
77) Benzidine	12.46	184	949141	51.45	ng	96
78) Pyrene	12.56	202	2225545	49.42	ng	100
80) Butylbenzylphthalate	13.19	149	952279	44.91	ng	98
81) Benzo(a)anthracene	13.76	228	1558791	46.79	ng	98
82) 3,3'-Dichlorobenzidine	13.72	252	367866	29.30	ng	100
83) Chrysene	13.80	228	1645304	45.99	ng	100
84) Bis(2-ethylhexyl)phthalate	13.76	149	1235178	46.82	ng	100
85) Di-n-octyl phthalate	14.37	149	2344006	49.39	ng	98
86) Indeno(1,2,3-cd)pyrene	16.47	276	1335511	41.13	ng	99
88) Benzo(b)fluoranthene	14.77	252	1522208	49.32	ng	99
89) Benzo(k)fluoranthene	14.80	252	1290821	48.27	ng	99
90) Benzo(a)pyrene	15.10	252	1295073	46.78	ng	98
91) Dibenzo(a,h)anthracene	16.49	278	1108975	45.22	ng	100
92) Benzo(g,h,i)perylene	16.87	276	1137682	46.01	ng	97

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



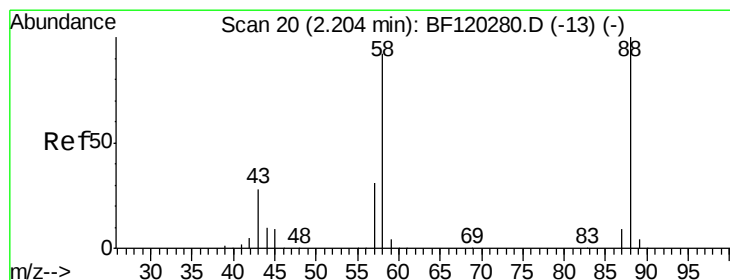
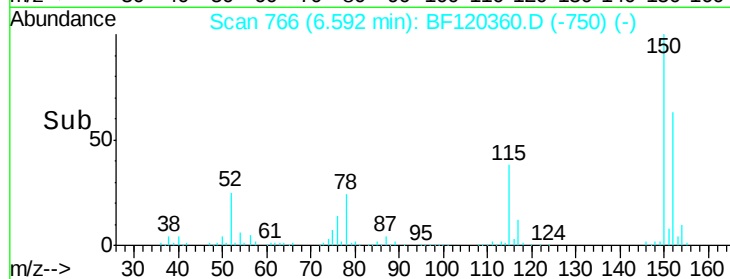
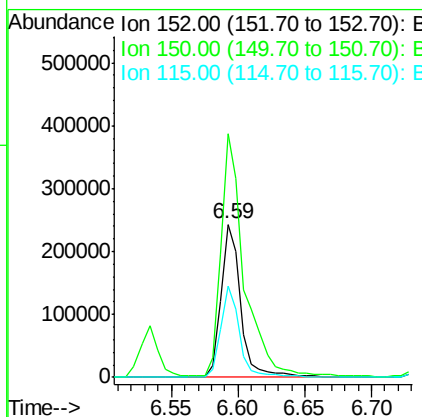
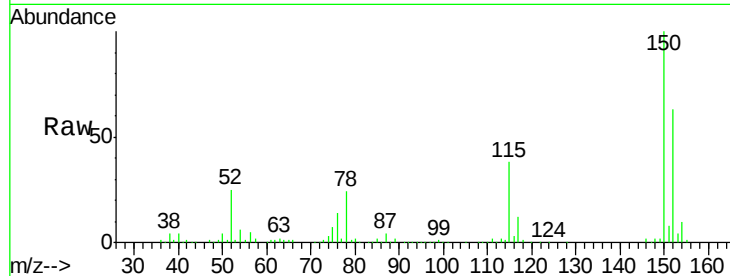
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampled :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	255013		
150	159.2	126.2	189.2	
115	59.9	47.9	71.9	

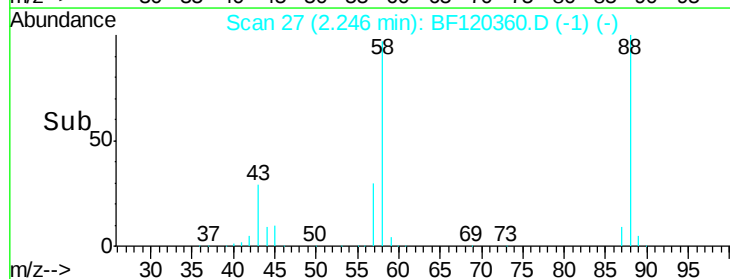
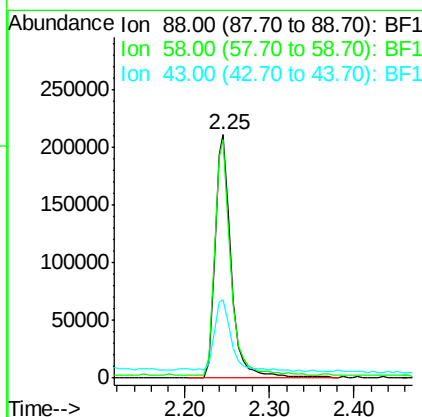
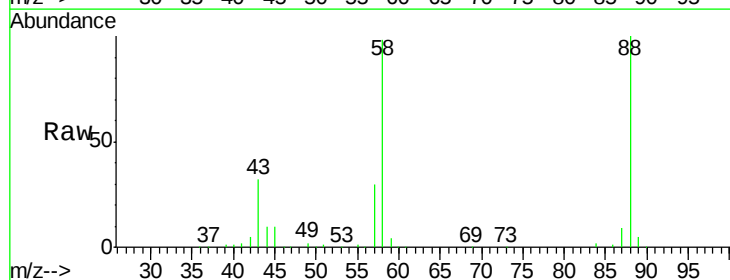
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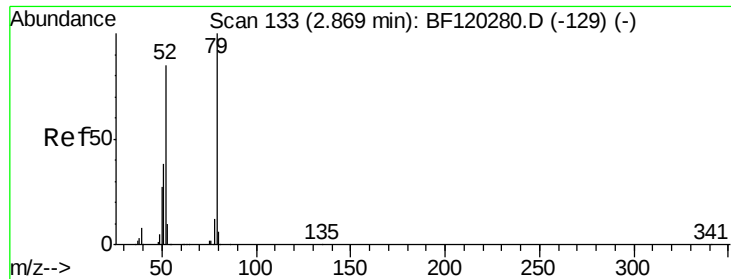
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#2
 1,4-Dioxane
 Concen: 55.35 ng
 RT: 2.25 min Scan# 27
 Delta R.T. 0.08 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	288571		
58	94.9	75.8	113.6	
43	31.1	23.6	35.4	





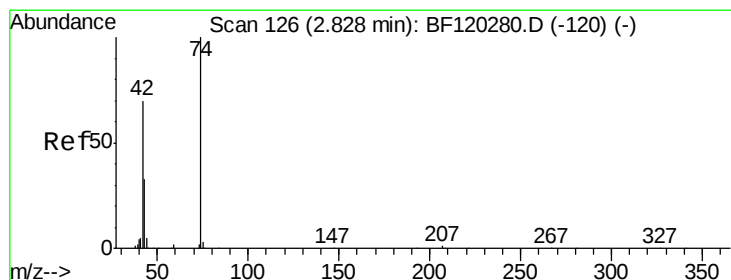
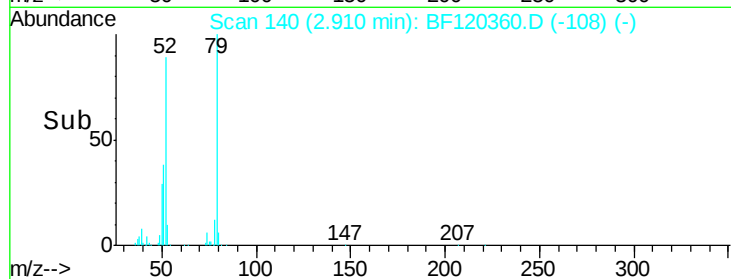
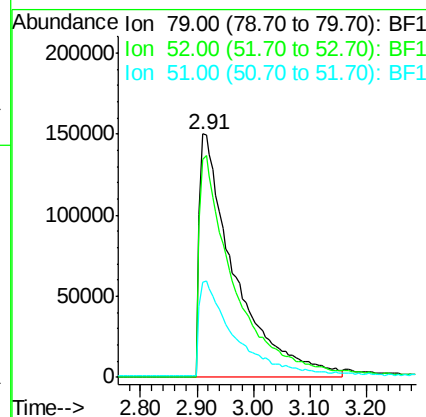
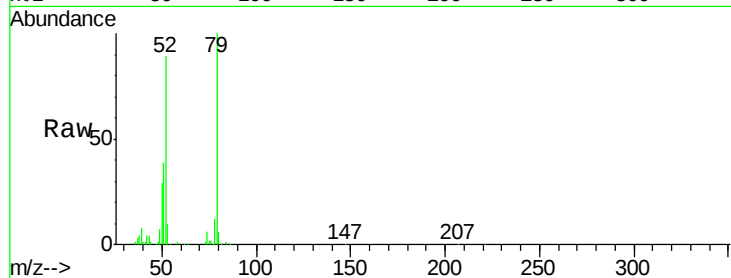
#3
 Pyridine
 Concen: 39.97 ng
 RT: 2.91 min Scan# 140
 Delta R.T. 0.09 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Lower	Upper
79	100		
52	89.4	68.4	102.6
51	38.9	31.0	46.4

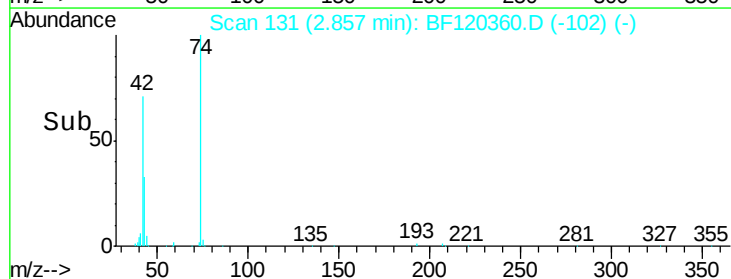
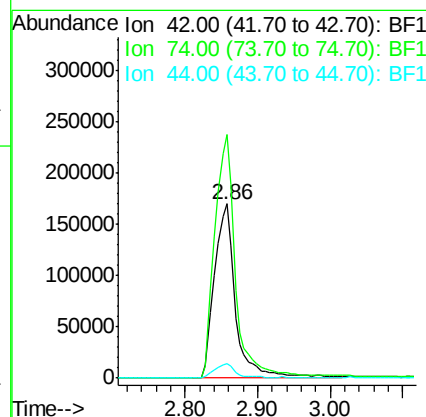
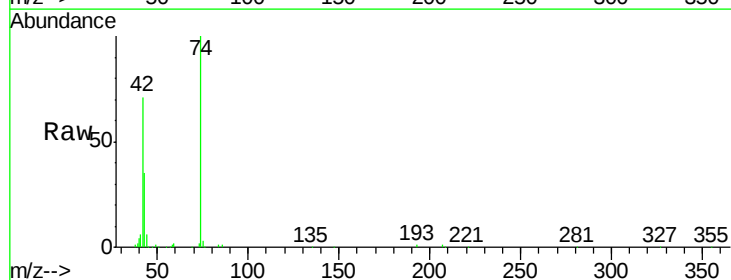
Manual Integrations
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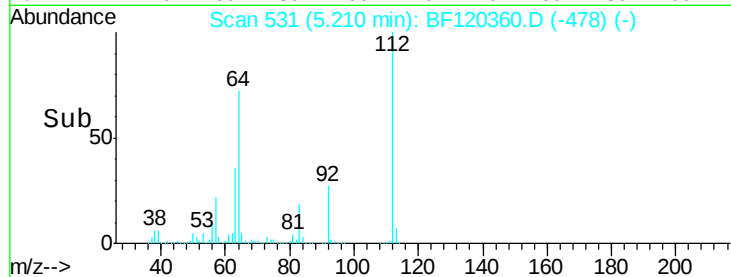
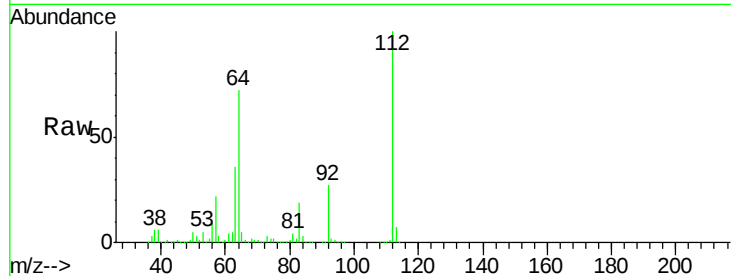
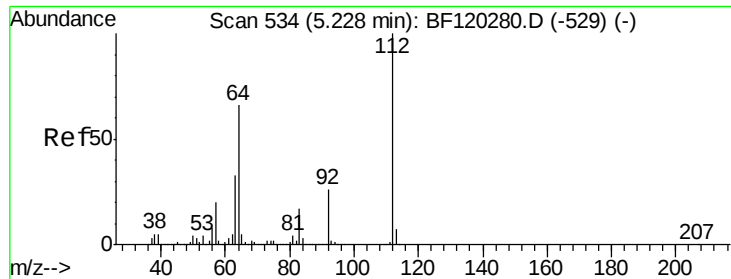
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#4
 n-Nitrosodimethylamine
 Concen: 53.55 ng
 RT: 2.86 min Scan# 131
 Delta R.T. 0.07 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	140.0	114.8	172.2
44	8.1	5.6	8.4





#5

2-Fluorophenol

Concen: 145.38 ng

RT: 5.21 min Scan# 531

Delta R.T. 0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion:	112	Resp:	1905353
Ion	Ratio	Lower	Upper
112	100		
64	72.0	52.7	79.1
63	36.0	26.2	39.4

Instrument :

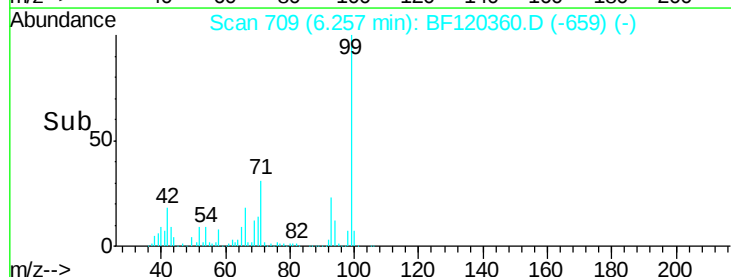
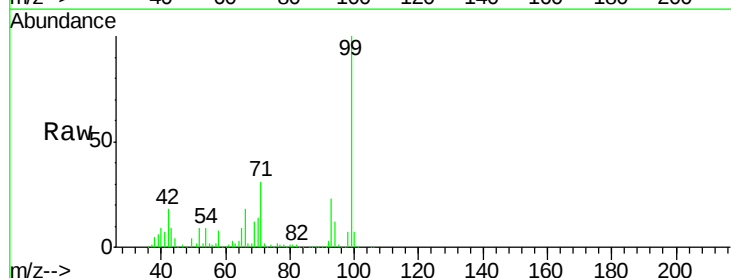
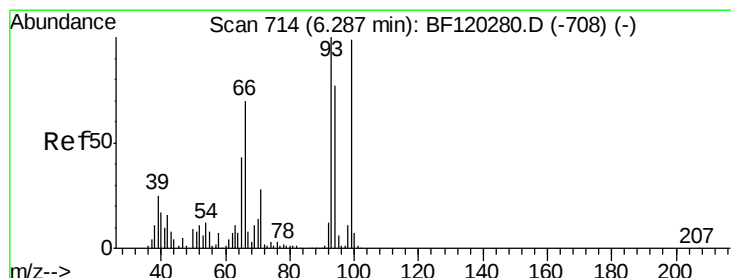
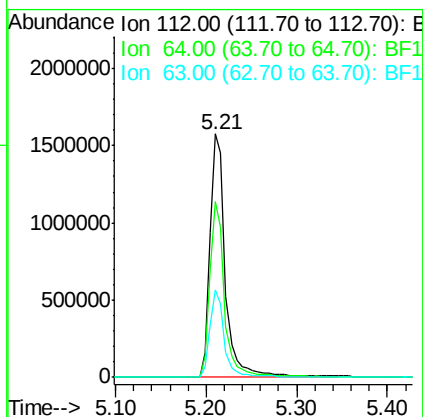
BNA_F

ClientSampleId :

PB128986BS

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#6

Aniline

Concen: 29.62 ng

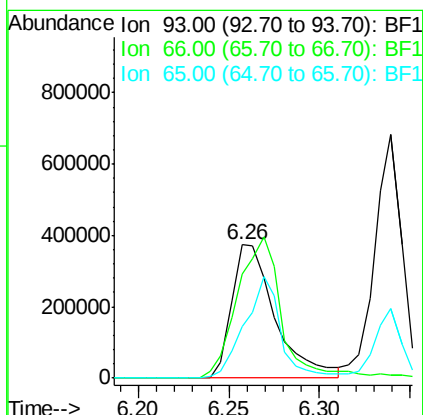
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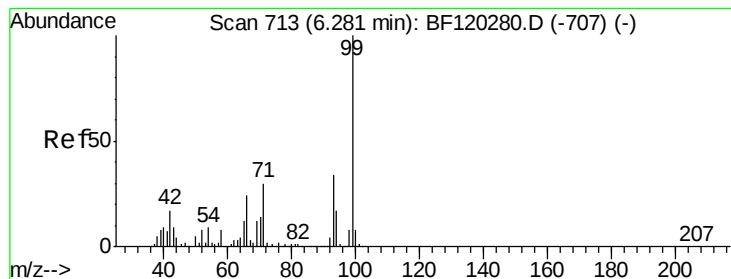
Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion:	93	Resp:	627805
Ion	Ratio	Lower	Upper
93	100		
66	78.2	56.2	84.4
65	39.2	34.2	51.2





#7

Phenol-d6

Concen: 142.51 ng

RT: 6.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

ClientSampleId :

PB128986BS

Tgt Ion: 99 Resp: 2361986

Ion Ratio Lower Upper

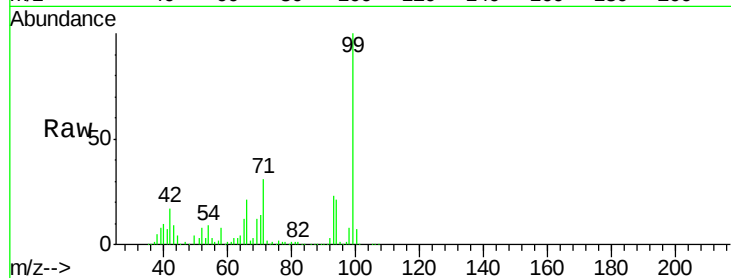
99 100

42 17.5 13.6 20.4

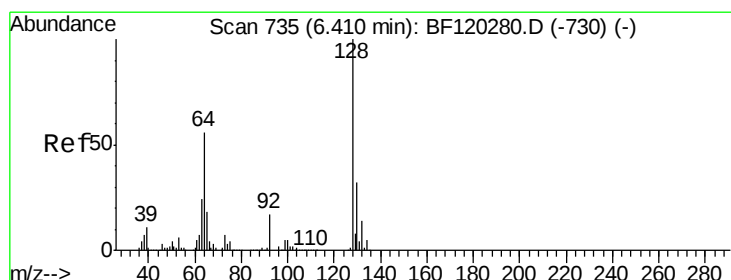
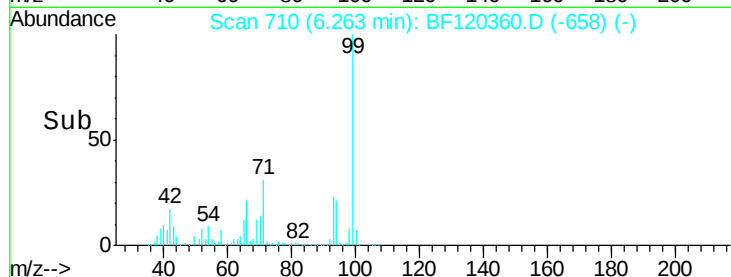
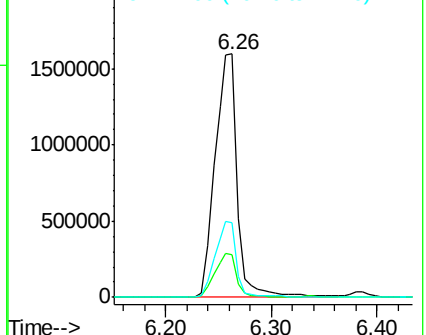
71 30.6 24.2 36.4

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 48.15 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

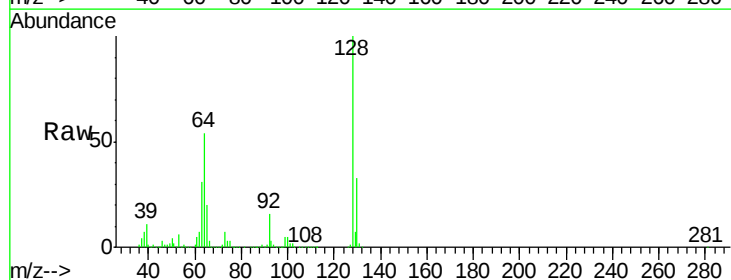
Tgt Ion: 128 Resp: 735847

Ion Ratio Lower Upper

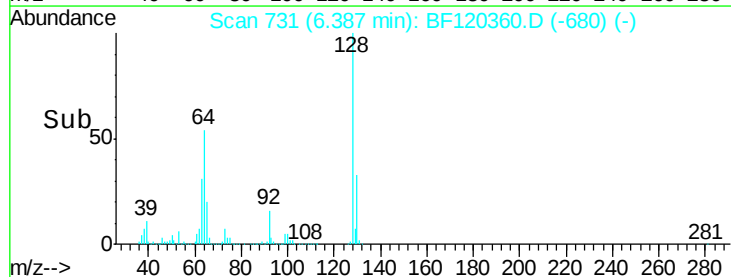
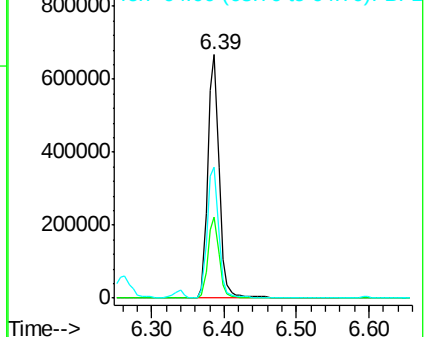
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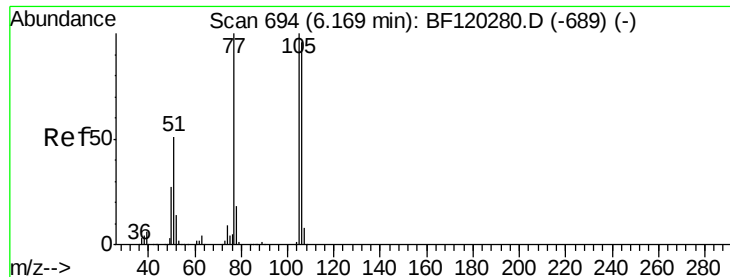
130 33.3 12.4 52.4

64 53.6 36.7 76.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 43.32 ng

RT: 6.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BF120360.D

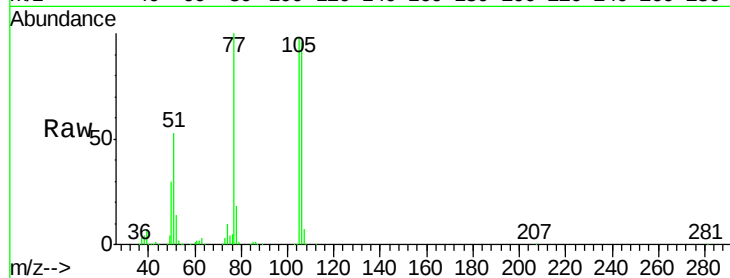
Acq: 19 May 2020 13:34

Instrument :

BNA_F

ClientSampleId :

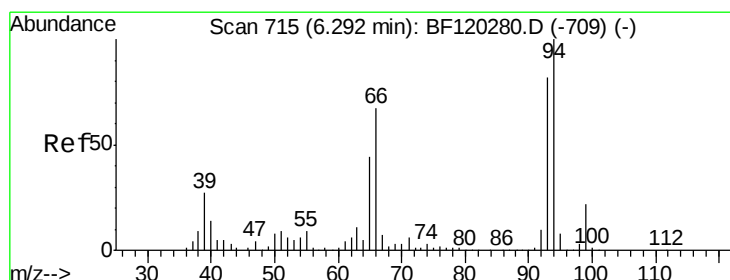
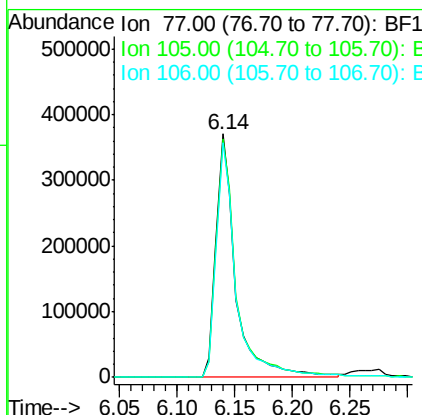
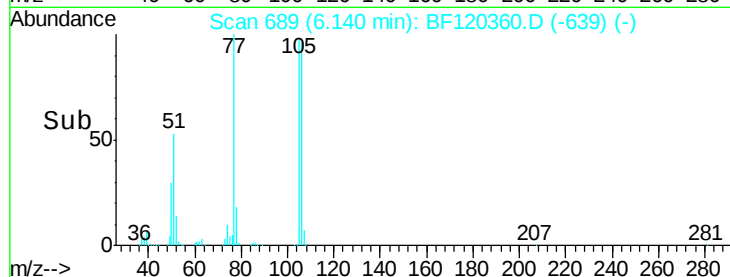
PB128986BS



Tgt Ion:	77	Resp:	442579
Ion	Ratio	Lower	Upper
77	100		
105	98.0	79.9	119.9
106	96.3	75.7	115.7

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#10

Phenol

Concen: 45.68 ng

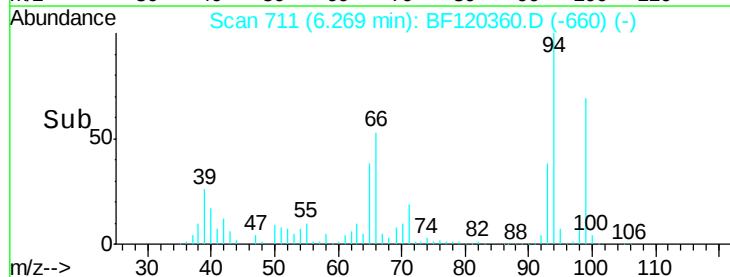
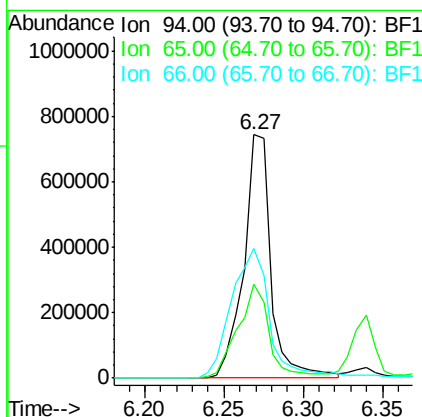
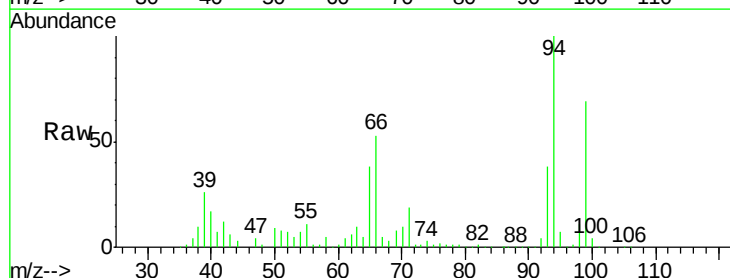
RT: 6.27 min Scan# 711

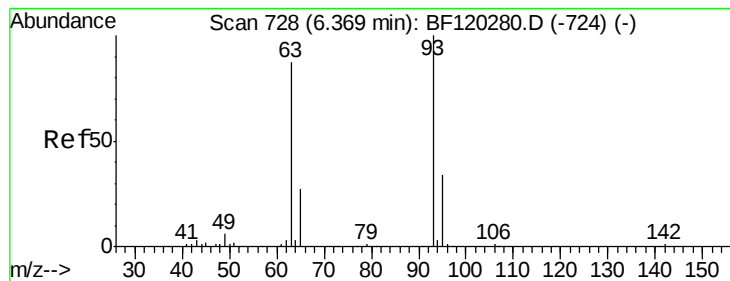
Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion:	94	Resp:	883744
Ion	Ratio	Lower	Upper
94	100		
65	38.4	24.1	64.1
66	53.1	47.5	87.5





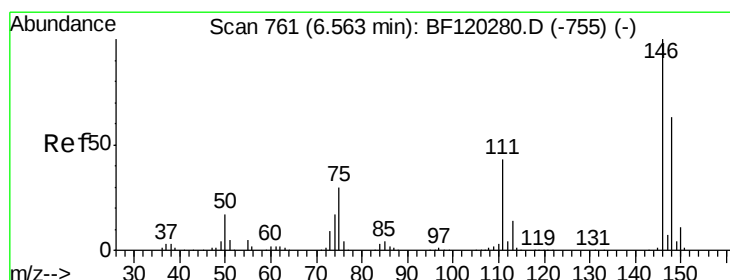
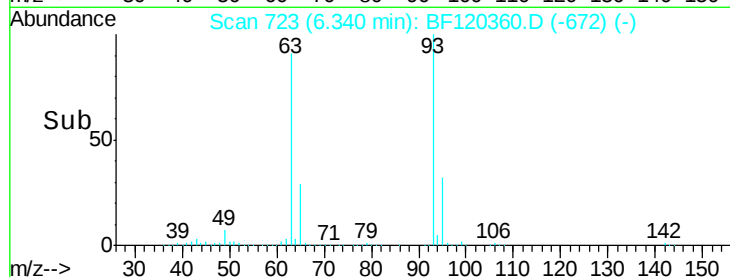
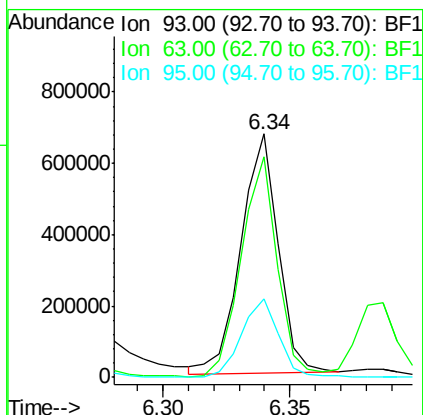
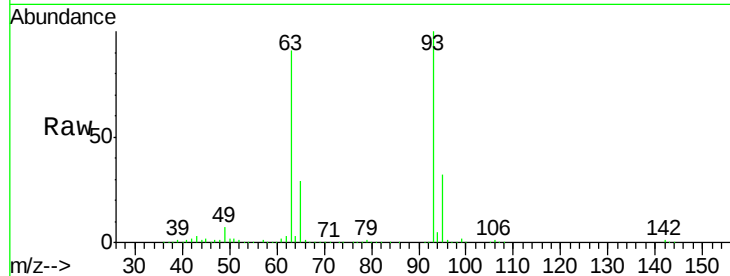
#11
bis(2-Chloroethyl)ether
Concen: 44.04 ng
RT: 6.34 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	680693		
63	90.7	65.4	105.4	
95	32.1	12.9	52.9	

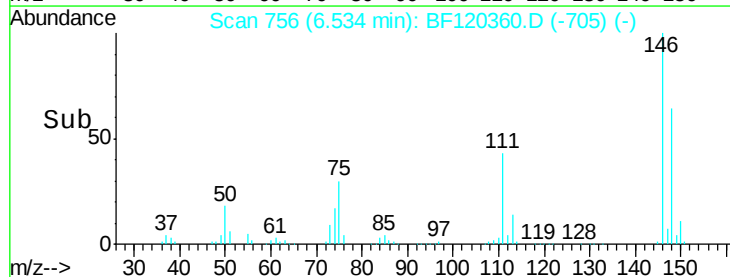
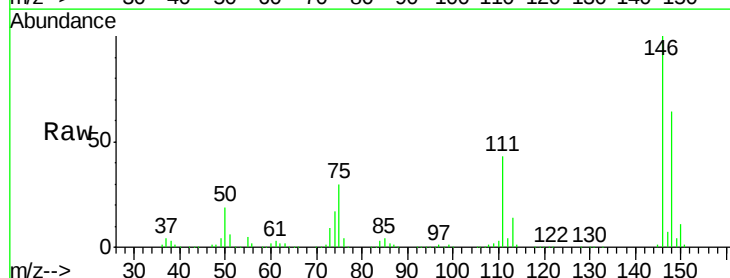
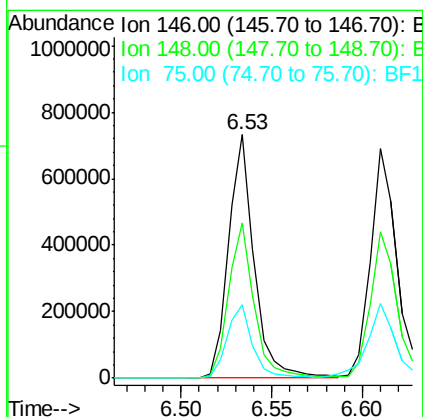
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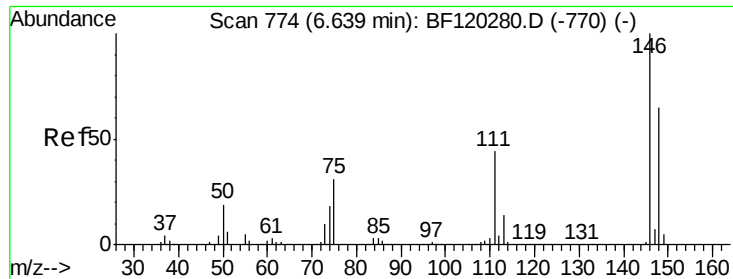
mohammad
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#12
1,3-Dichlorobenzene
Concen: 44.06 ng
RT: 6.53 min Scan# 756
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	720539		
148	64.0	50.5	75.7	
75	30.2	24.2	36.4	





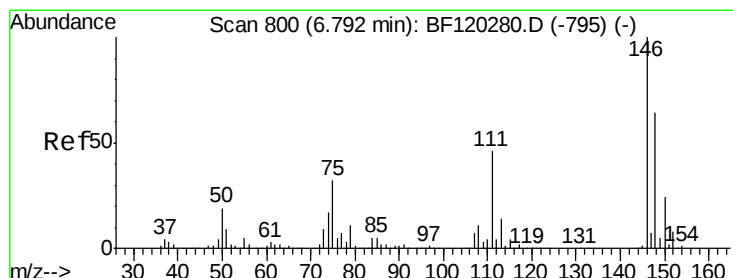
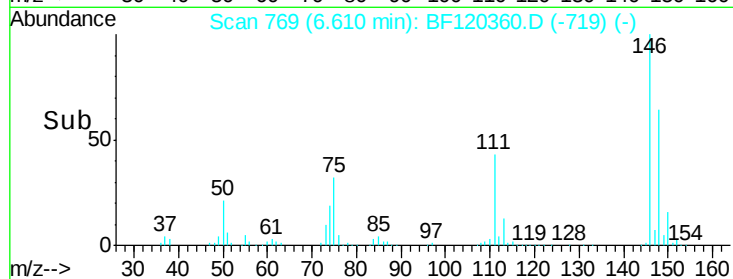
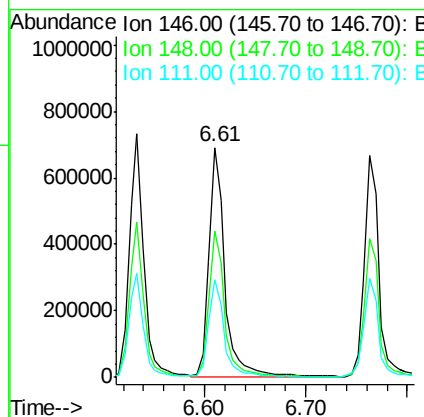
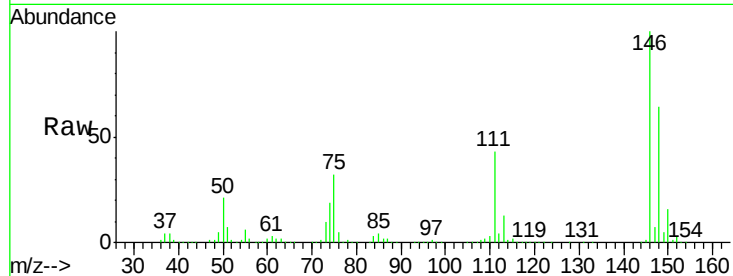
#13
 1,4-Dichlorobenzene
 Concen: 44.94 ng
 RT: 6.61 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	756923		
148	64.0		51.6	77.4
111	42.5		35.1	52.7

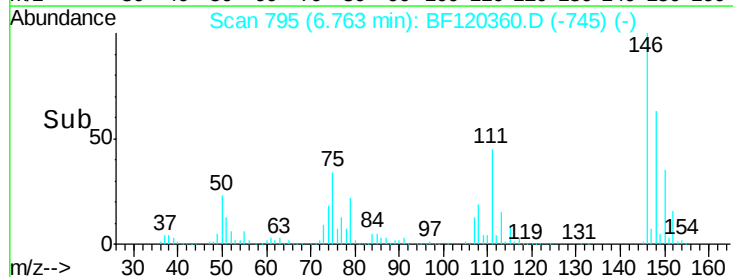
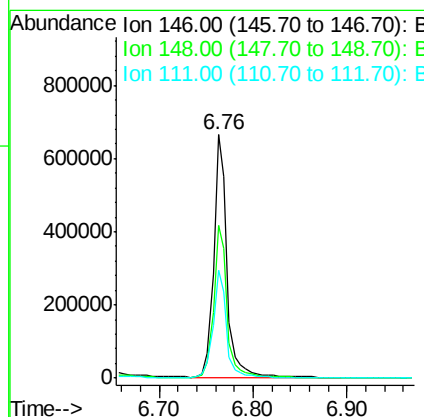
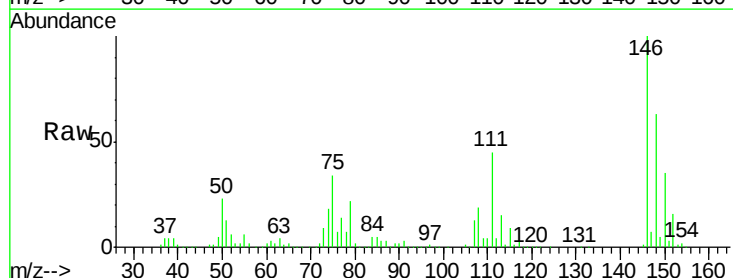
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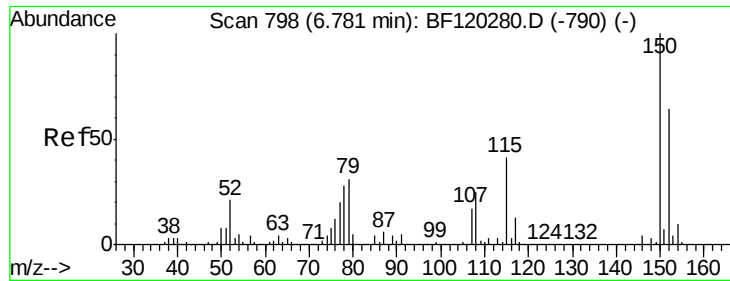
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#14
 1,2-Dichlorobenzene
 Concen: 44.25 ng
 RT: 6.76 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	671159		
148	62.8		51.1	76.7
111	44.6		36.6	55.0





#15

Benzyl Alcohol

Concen: 47.73 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

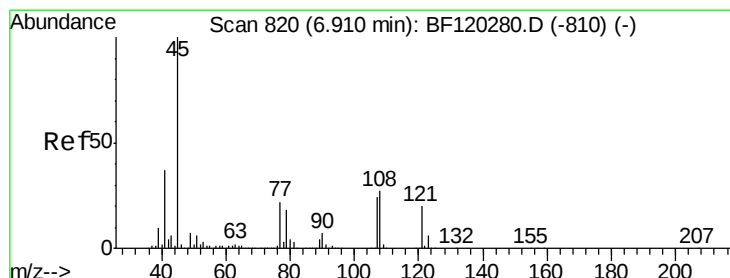
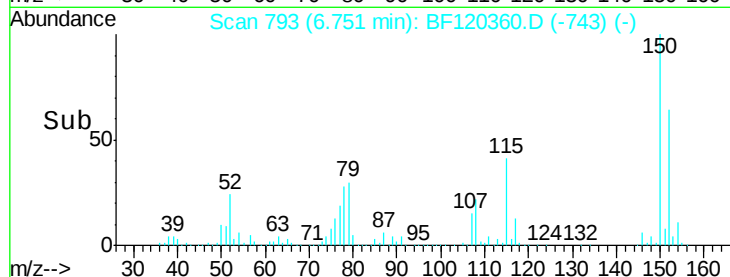
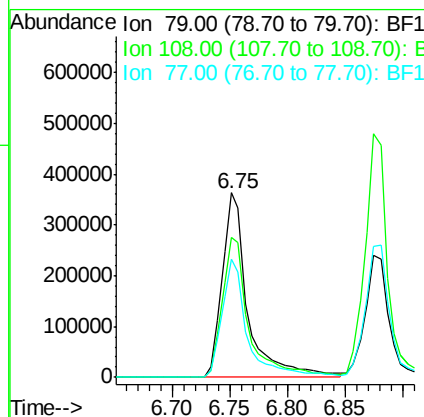
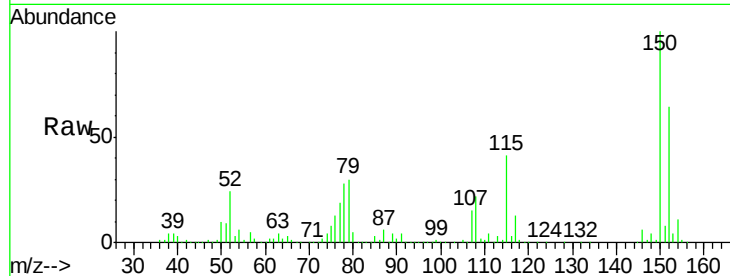
ClientSampleId :

PB128986BS

Tgt Ion:	79	Resp:	561987
Ion Ratio	Lower	Upper	
79	100		
108	75.6	64.2	96.4
77	63.9	51.6	77.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.15 ng

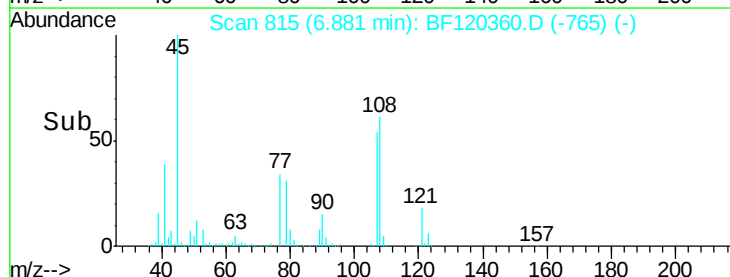
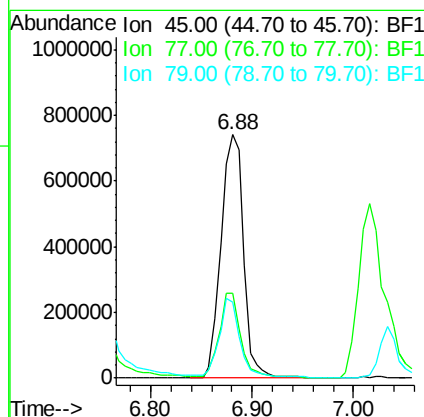
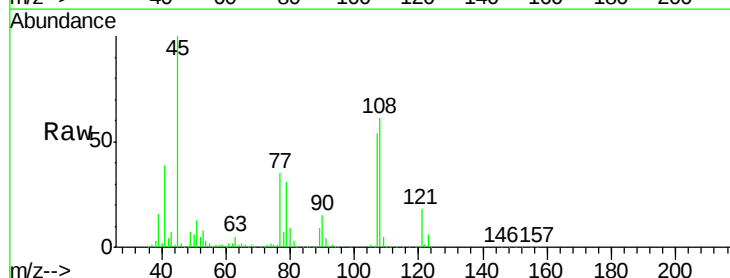
RT: 6.88 min Scan# 815

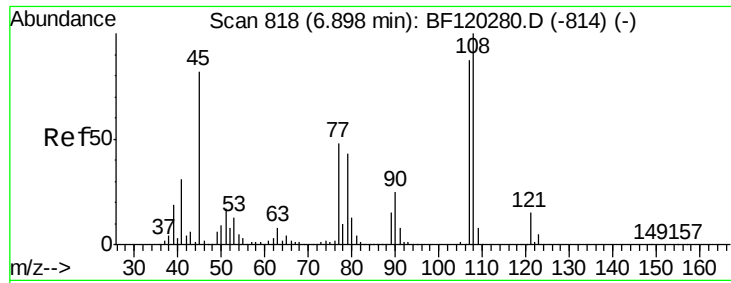
Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion:	45	Resp:	1148372
Ion Ratio	Lower	Upper	
45	100		
77	35.0	3.1	43.1
79	31.3	0.0	40.0





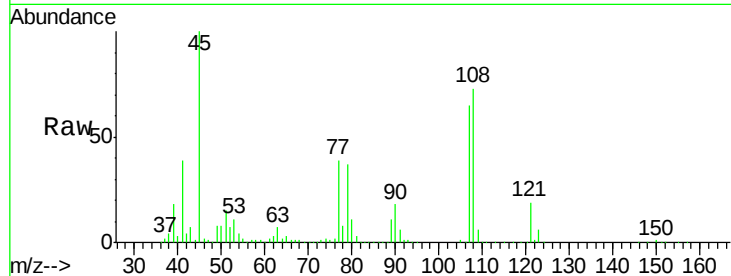
#17
2-Methylphenol
Concen: 44.38 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

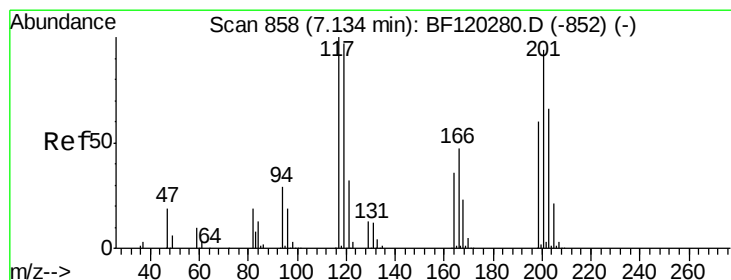
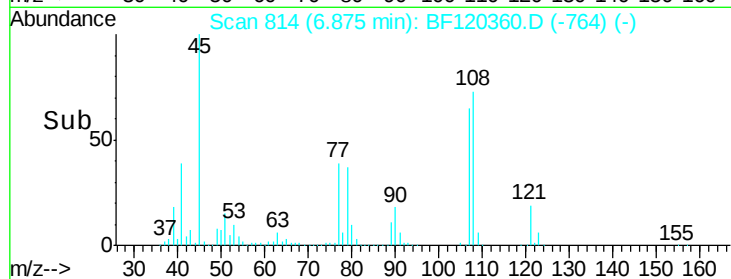
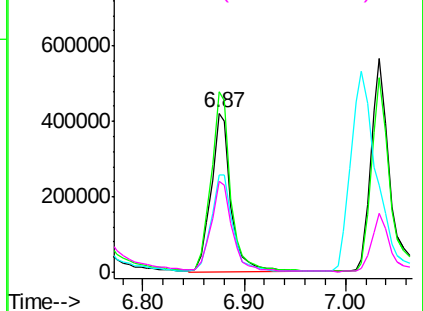
Tgt Ion:	107	Resp:	572477
Ion Ratio	Lower	Upper	
107	100		
108	113.5	92.4	138.6
77	61.0	44.5	66.7
79	57.1	40.4	60.6

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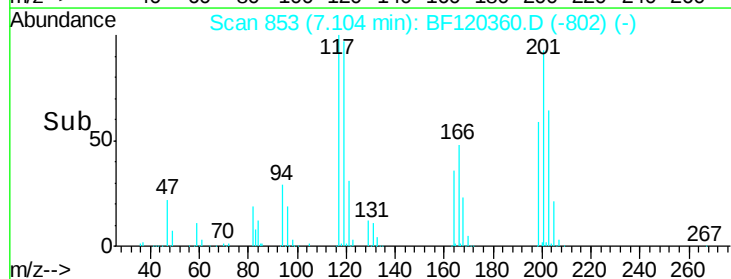
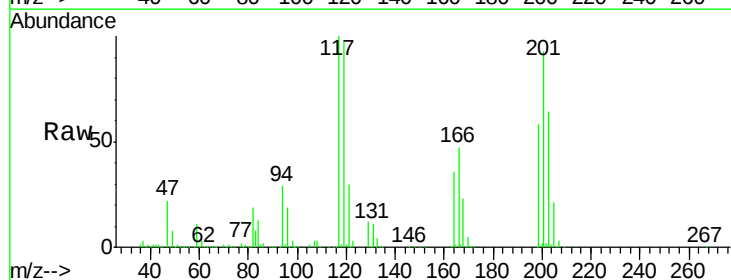
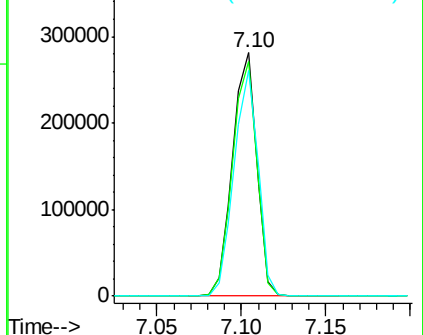
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

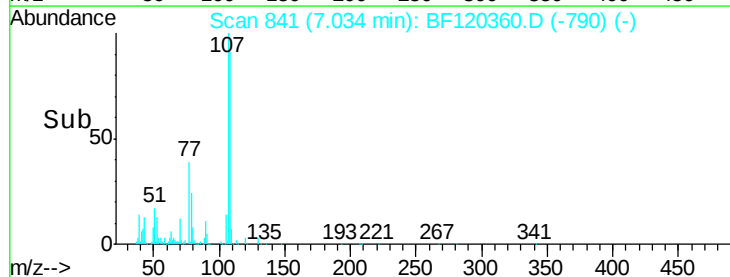
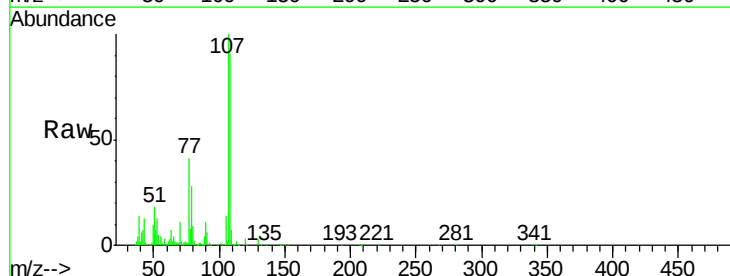
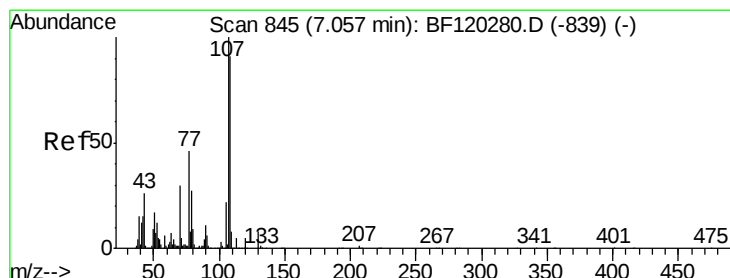
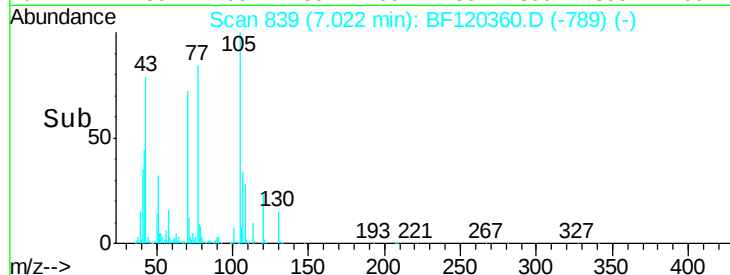
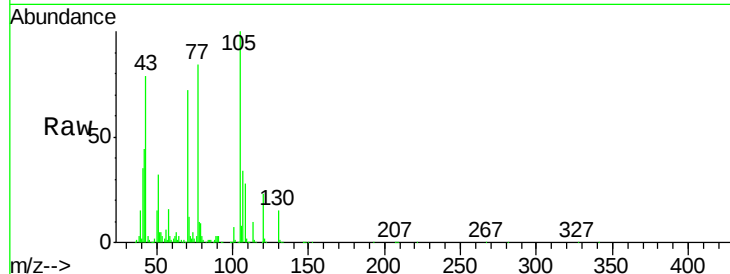
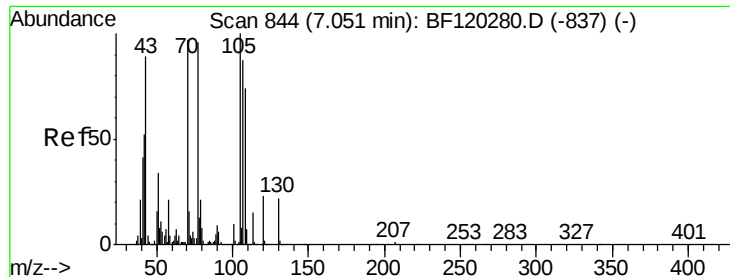


#18
Hexachloroethane
Concen: 43.57 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion:	117	Resp:	279546
Ion Ratio	Lower	Upper	
117	100		
119	96.5	77.4	116.0
201	92.8	74.9	112.3

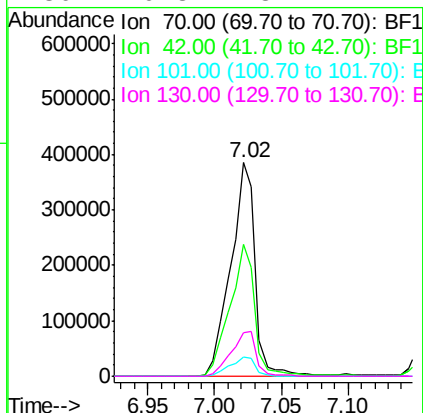
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 45.91 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	498526		
42	61.6	43.4	65.0	
101	9.1	7.8	11.8	
130	20.3	18.2	27.4	



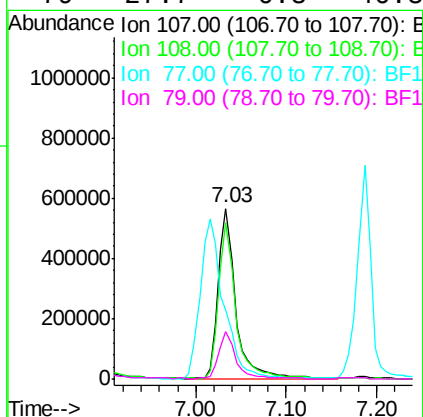
Instrument :
BNA_F
ClientSampleId :
PB128986BS

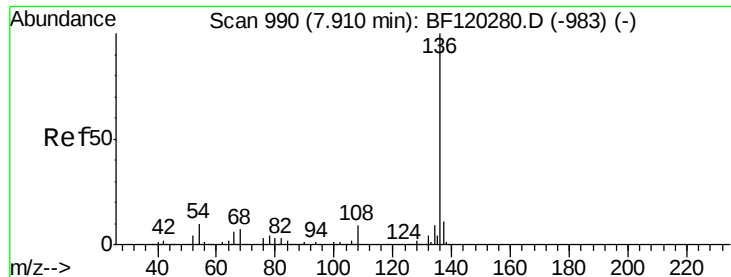
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#20
3+4-Methylphenols
Concen: 44.34 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	743647		
108	91.4	71.1	111.1	
77	40.6	28.1	68.1	
79	27.7	6.8	46.8	





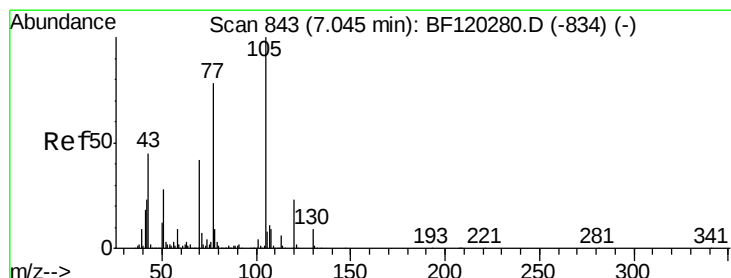
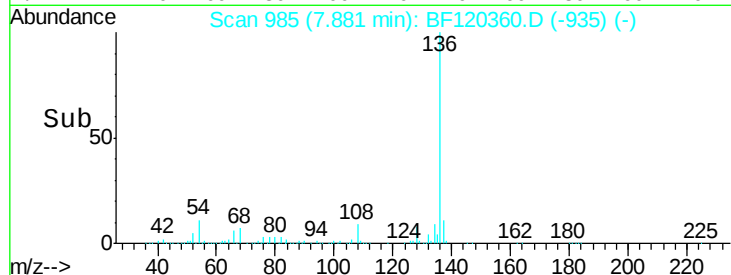
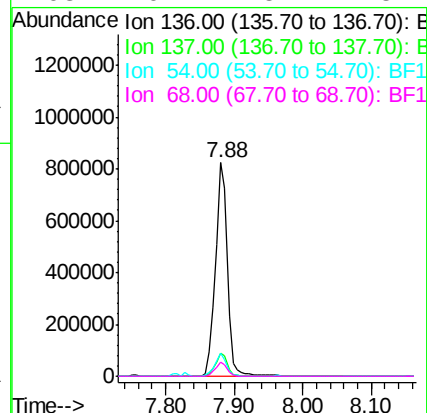
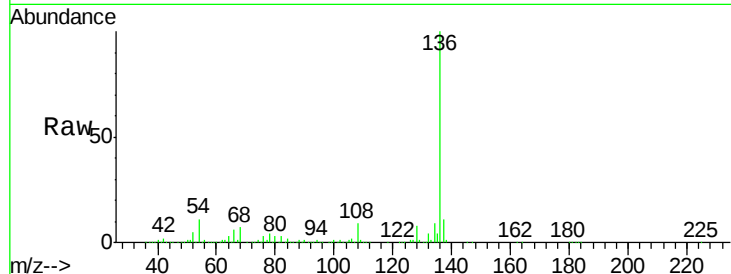
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	997408		
137	10.9	9.1	13.7	
54	10.6	7.9	11.9	
68	6.7	5.4	8.2	

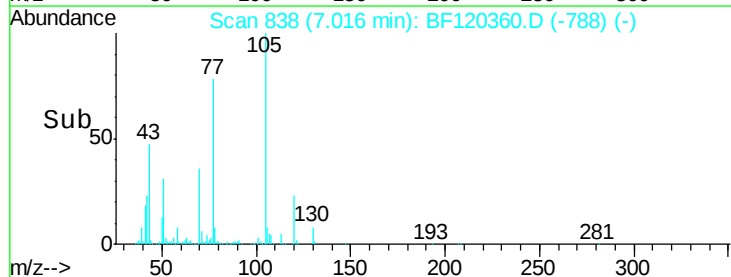
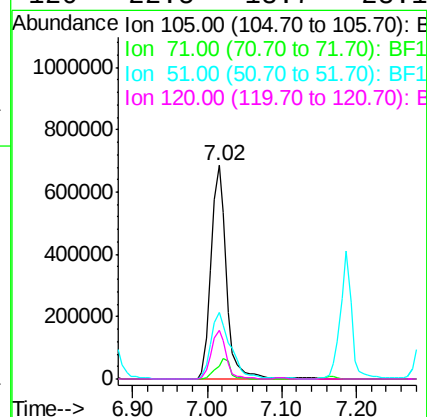
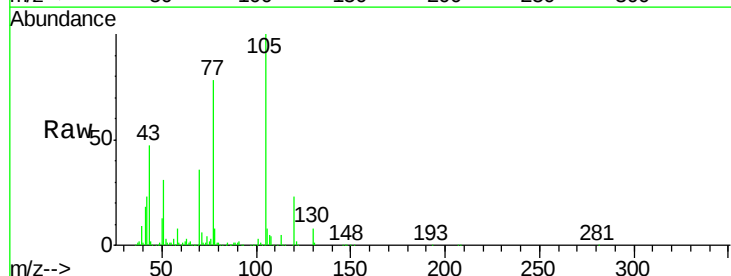
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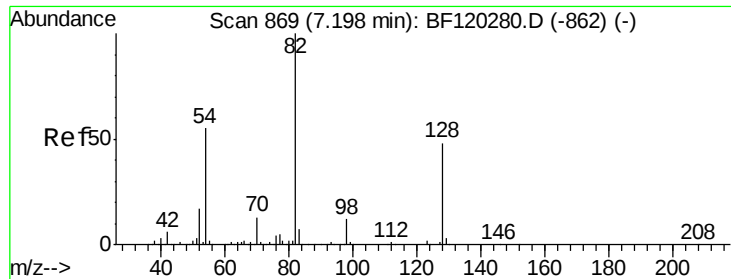
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#22
Acetophenone
Concen: 48.36 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	988153		
71	6.1	5.6	8.4	
51	30.9	22.6	34.0	
120	22.5	18.7	28.1	





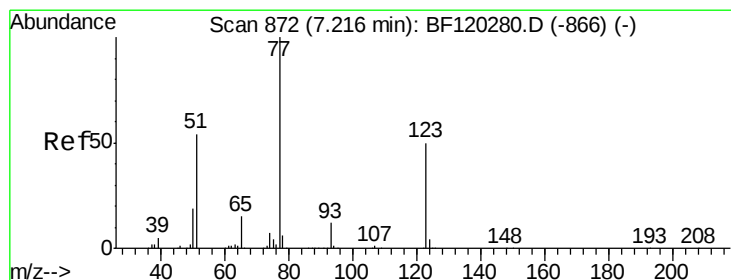
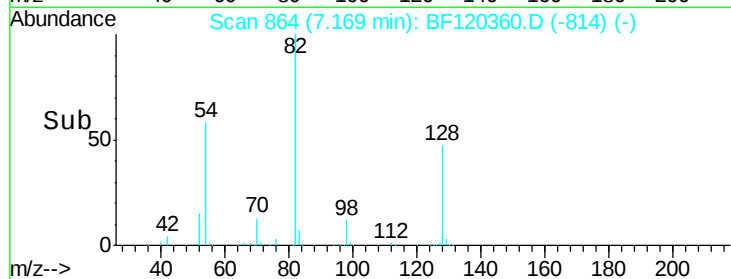
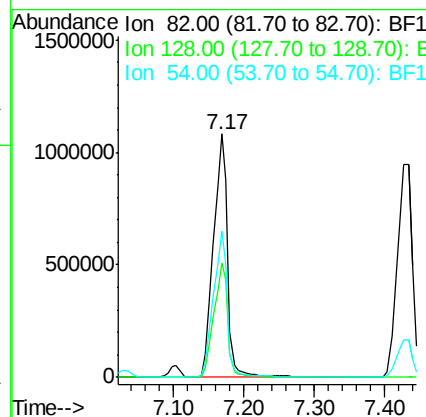
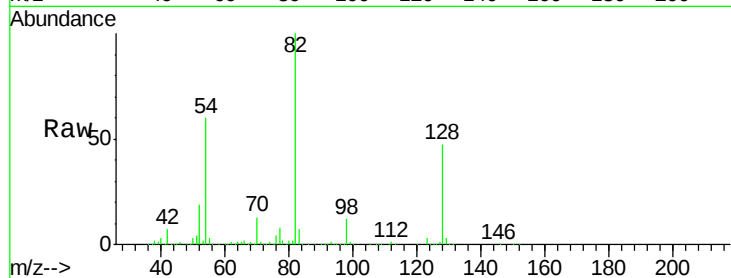
#23
 Nitrobenzene-d5
 Concen: 104.30 ng
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	38.3	57.5
54	60.3	43.9	65.9

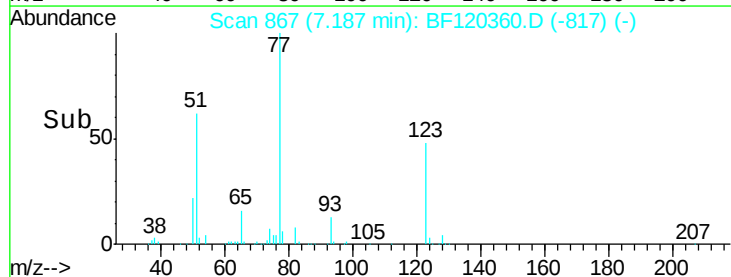
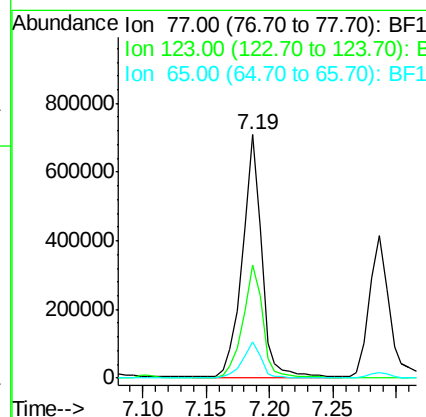
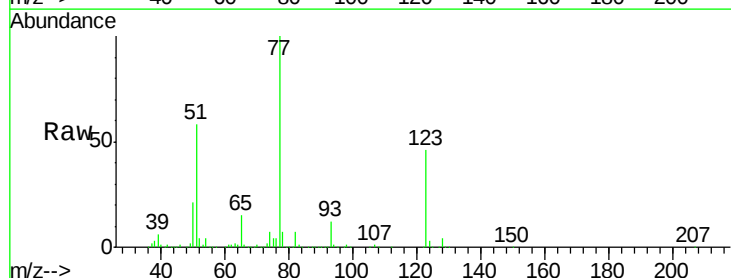
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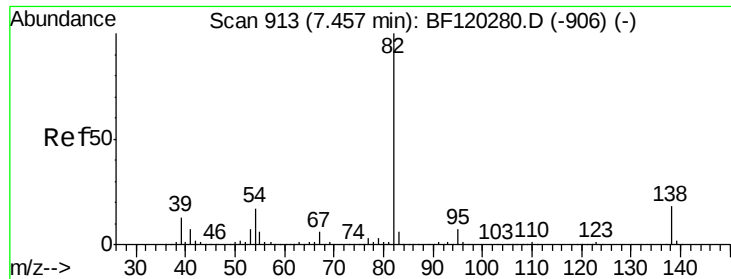
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#24
 Nitrobenzene
 Concen: 47.61 ng
 RT: 7.19 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.4	40.0	60.0
65	15.1	11.7	17.5





#25

Isophorone

Concen: 46.24 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

ClientSampleId :

PB128986BS

Tgt Ion: 82 Resp: 1401619

Ion Ratio Lower Upper

82 100

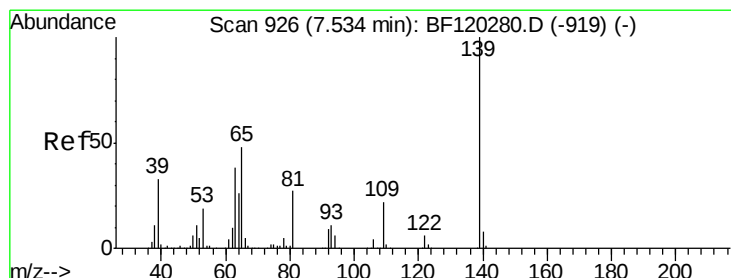
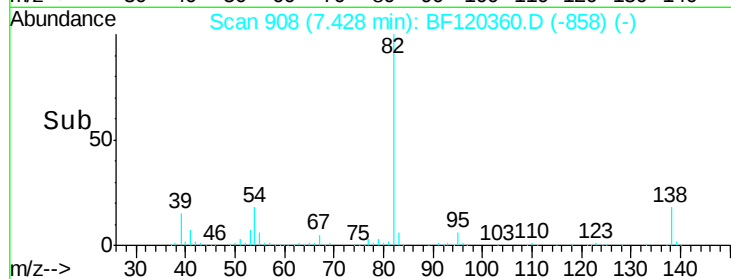
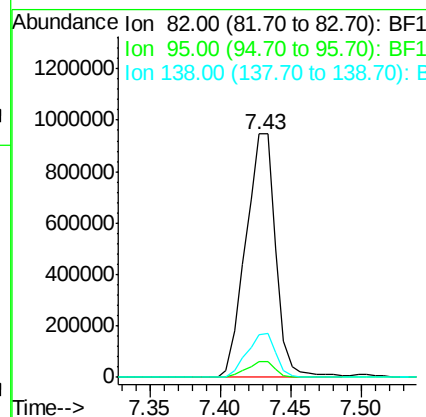
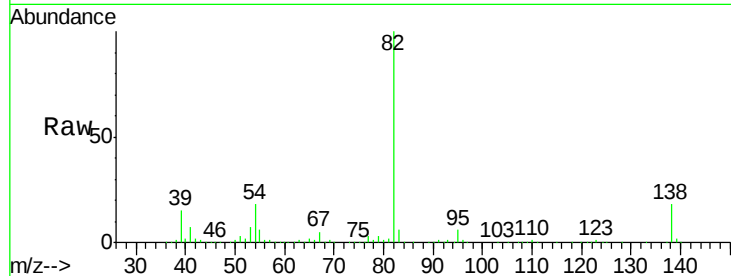
95 6.5 5.4 8.0

138 17.6 14.7 22.1

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#26

2-Nitrophenol

Concen: 48.82 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

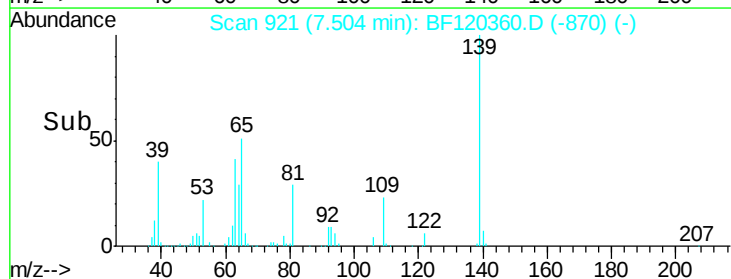
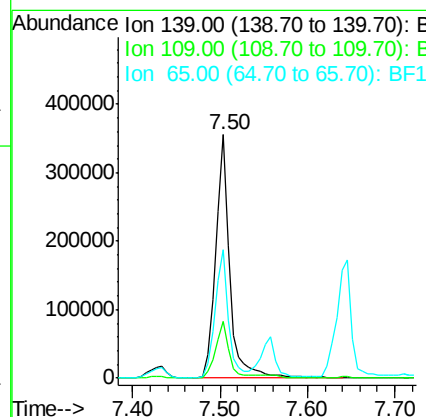
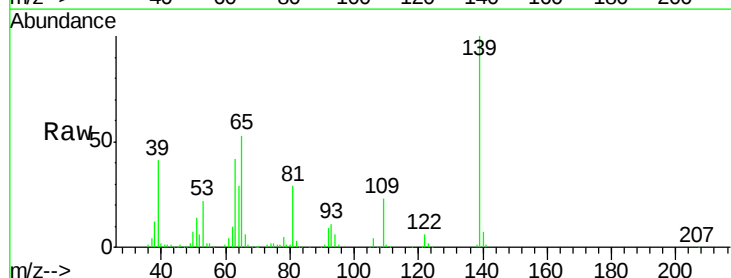
Tgt Ion: 139 Resp: 400284

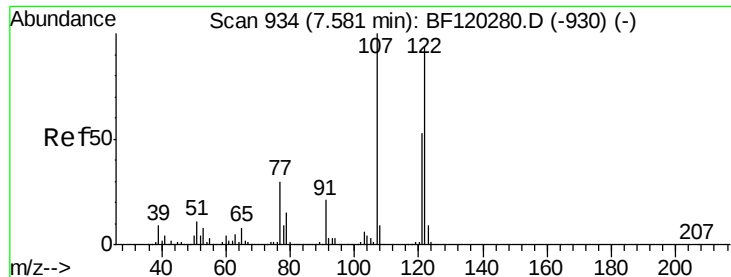
Ion Ratio Lower Upper

139 100

109 23.2 17.7 26.5

65 52.7 38.3 57.5





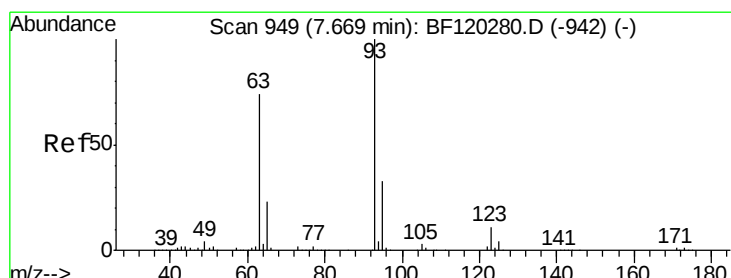
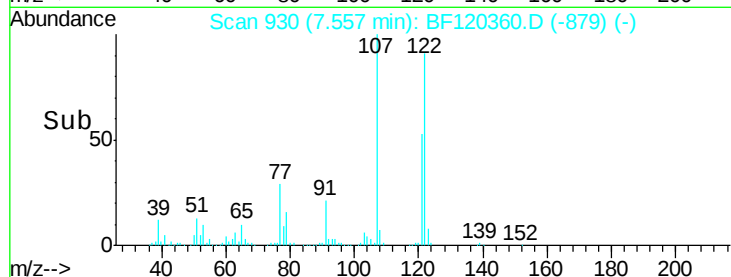
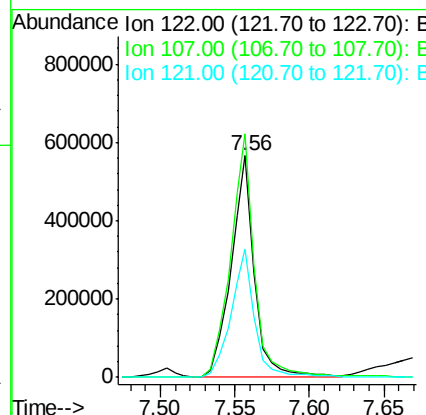
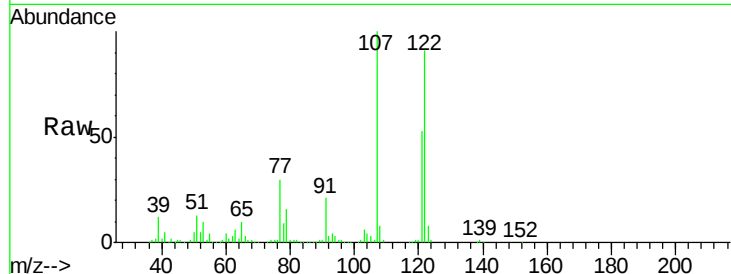
#27
 2,4-Dimethylphenol
 Concen: 52.02 ng
 RT: 7.56 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	620521		
107	109.9	85.0	127.6	
121	58.0	45.1	67.7	

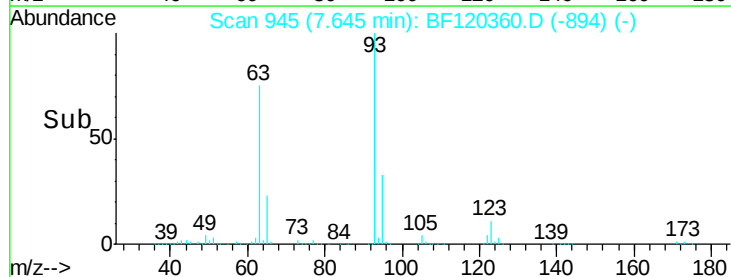
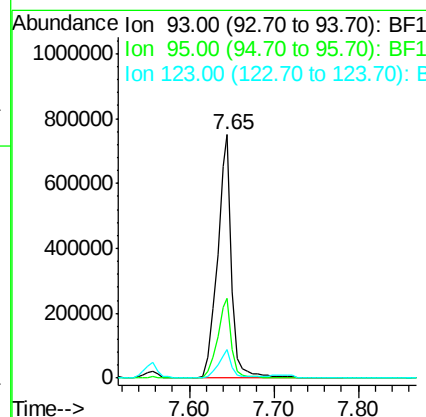
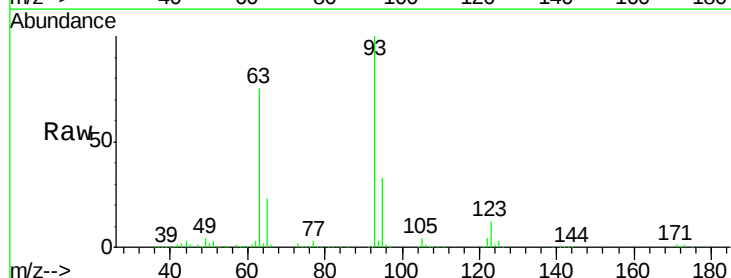
Manual Integrations
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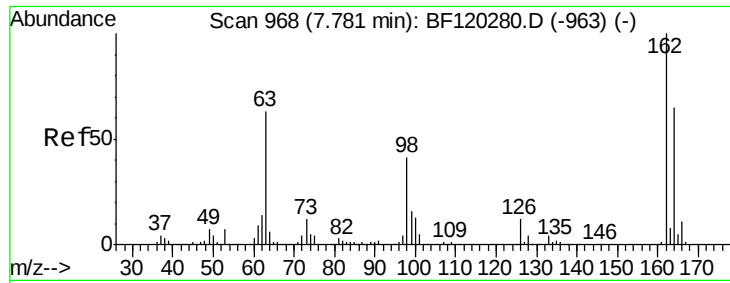
mohammad
 5/20/2020 1:20:29 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.64 ng
 RT: 7.65 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	888515		
95	33.0	26.8	40.2	
123	11.5	9.2	13.8	





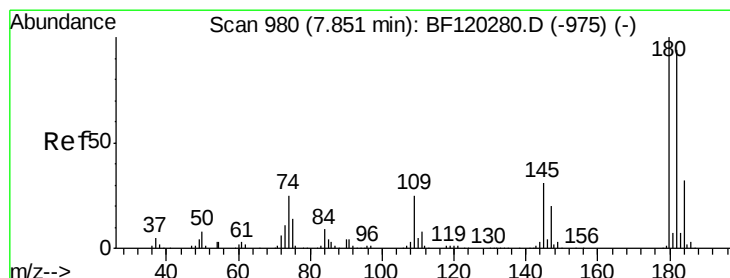
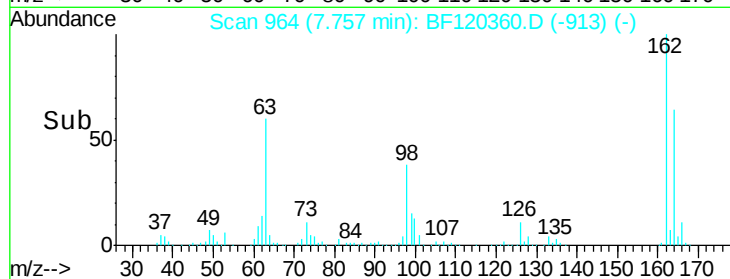
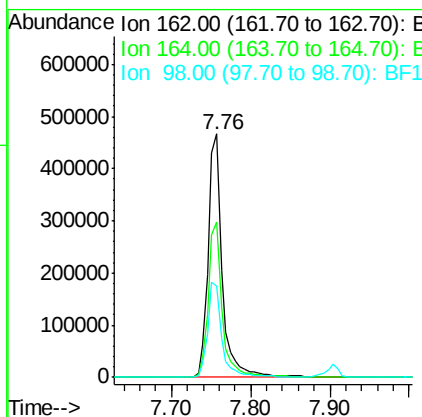
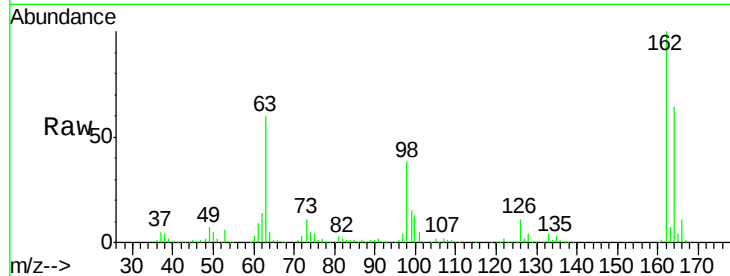
#29
2,4-Dichlorophenol
Concen: 47.40 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	580675		
164	63.6	44.9	84.9	
98	37.7	20.7	60.7	

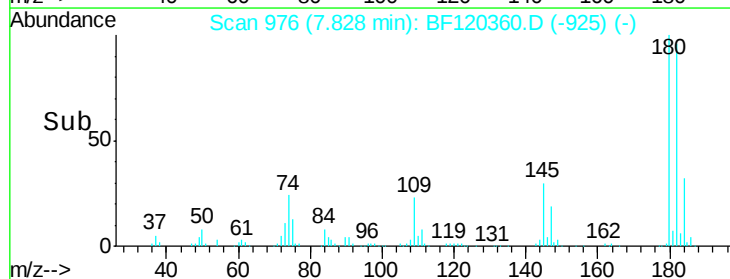
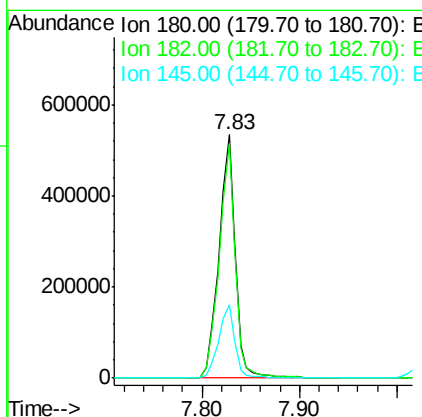
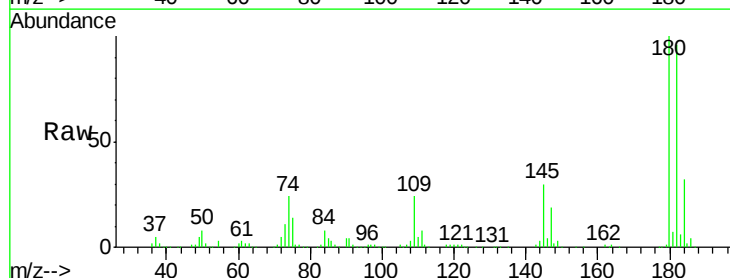
Manual Integrations
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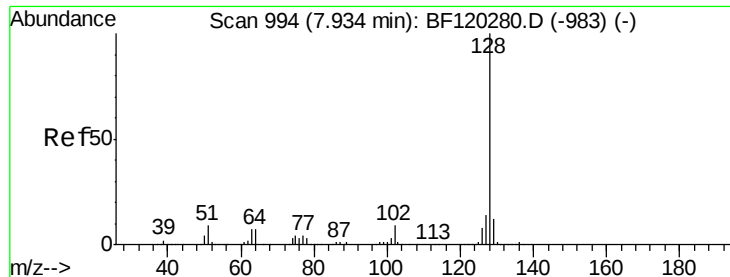
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 45.79 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	621590		
182	96.3	75.3	112.9	
145	30.3	24.9	37.3	





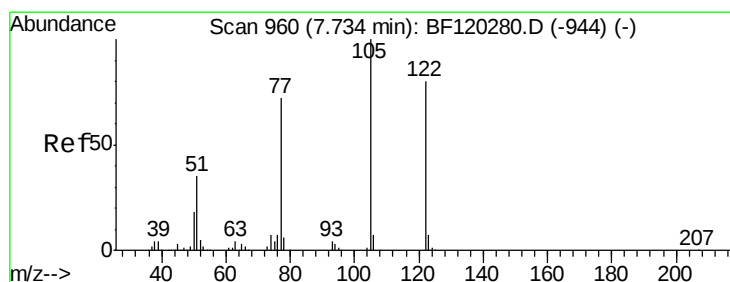
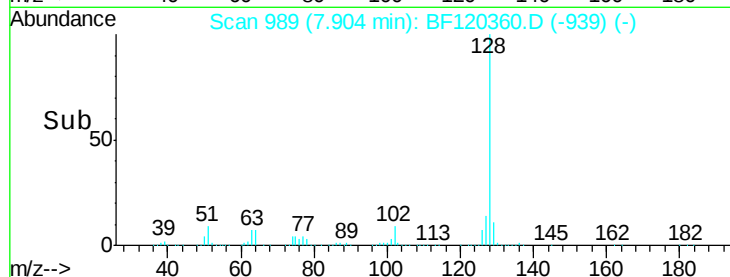
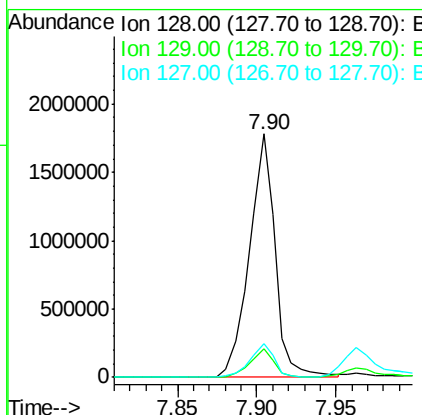
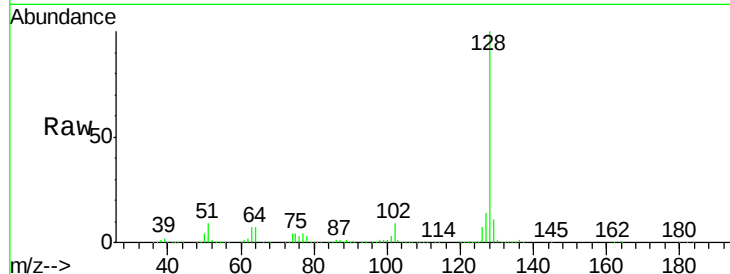
#31
Naphthalene
Concen: 47.89 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion:128 Resp: 2016025
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 13.7 11.2 16.8

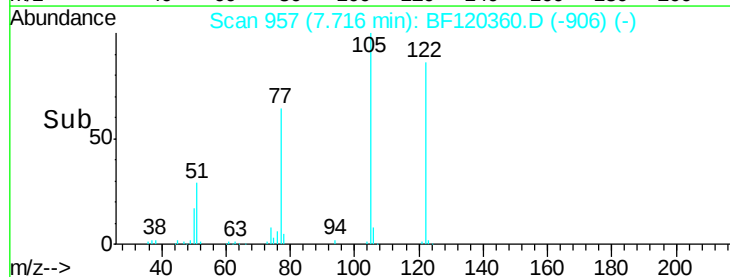
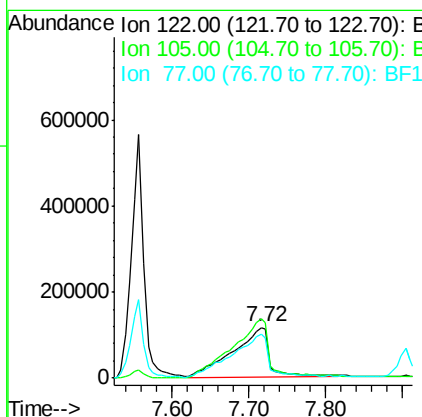
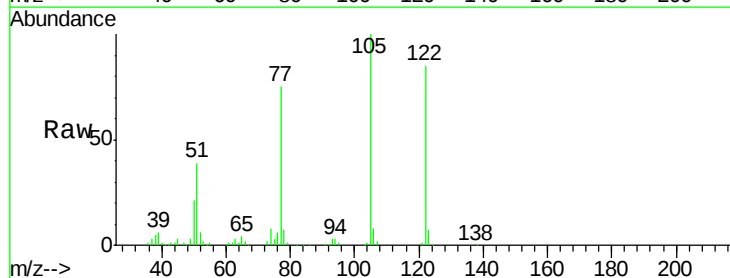
Manual Integrations
APPROVED

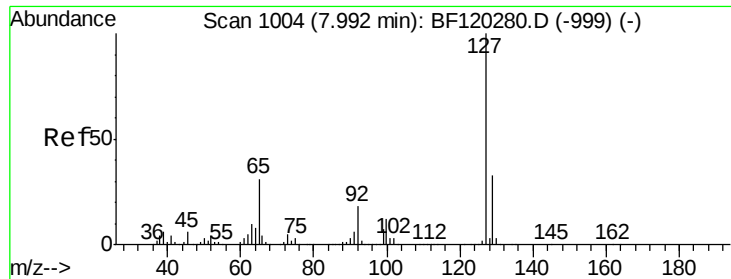
mohammad
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#32
Benzoic acid
Concen: 47.73 ng
RT: 7.72 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion:122 Resp: 373174
Ion Ratio Lower Upper
122 100
105 117.2 98.1 138.1
77 87.3 66.7 106.7





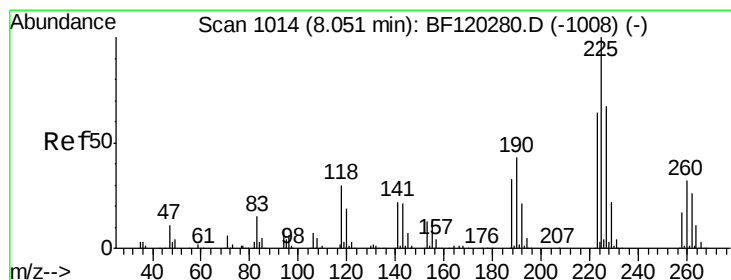
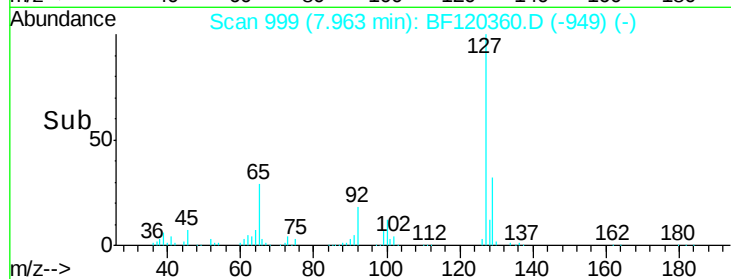
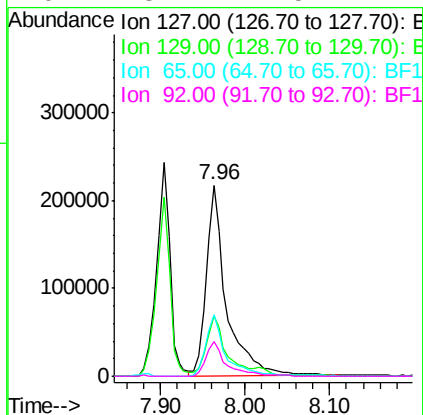
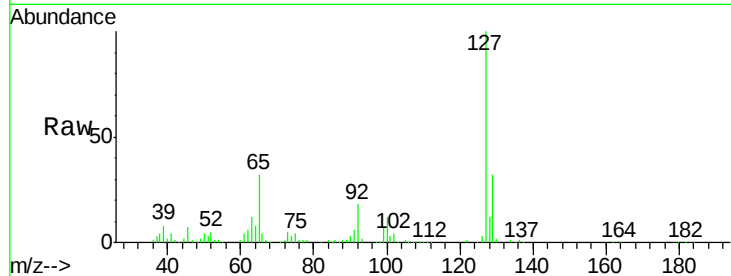
#33
4-Chloroaniline
Concen: 18.74 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	359540		
129	31.8	26.4	39.6	
65	32.4	24.8	37.2	
92	18.1	14.5	21.7	

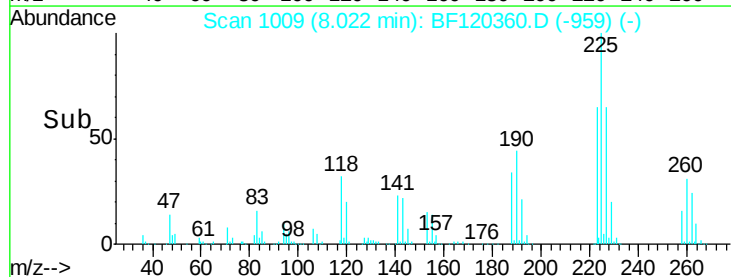
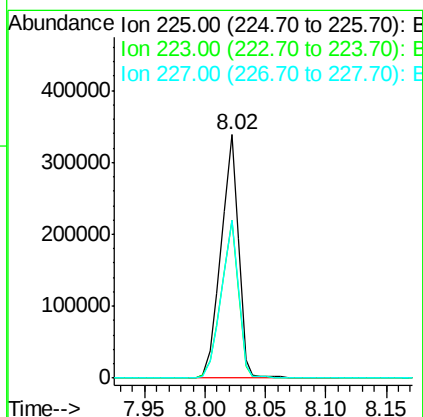
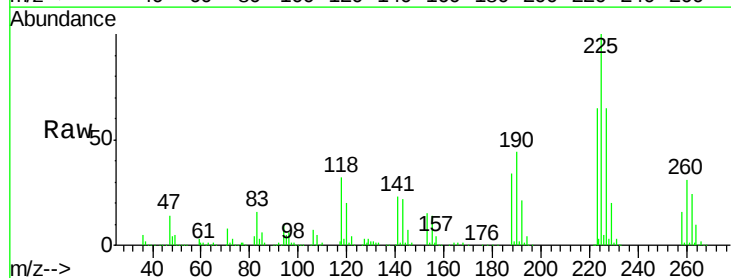
Manual Integrations
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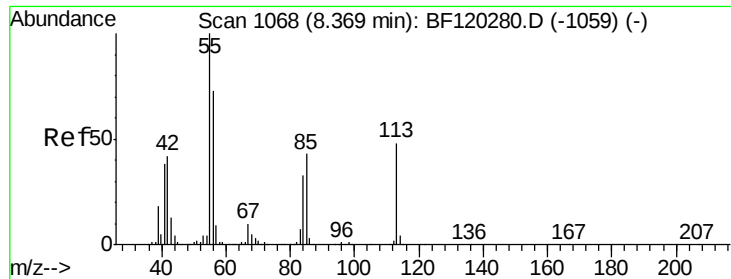
mohammad
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#34
Hexachlorobutadiene
Concen: 43.84 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	343998		
223	64.7	51.4	77.0	
227	64.8	54.0	81.0	





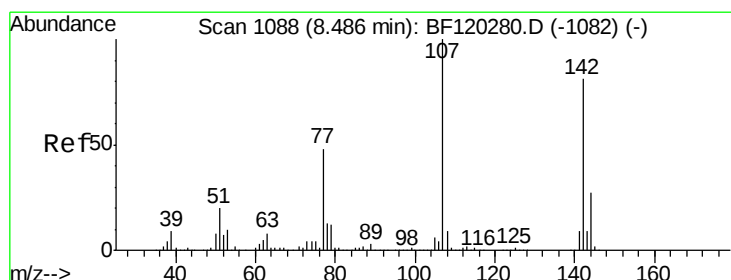
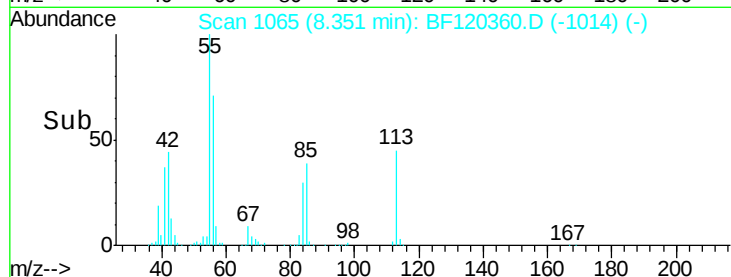
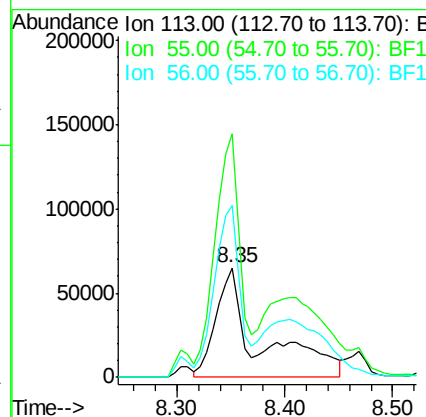
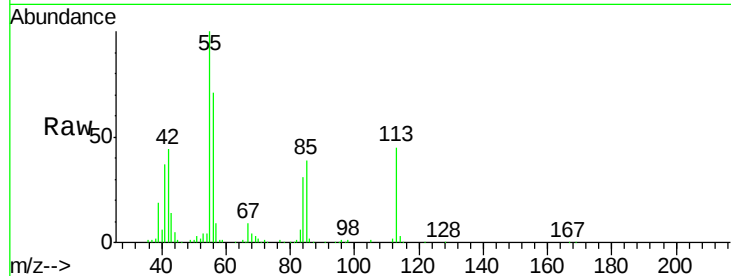
#35
 Caprolactam
 Concen: 45.26 ng m
 RT: 8.35 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	181394		
55	221.9	190.4	230.4	
56	156.7	132.7	172.7	

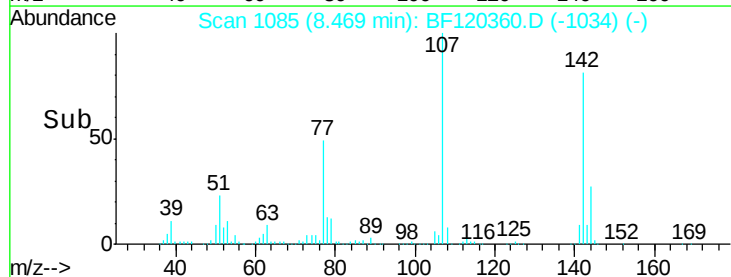
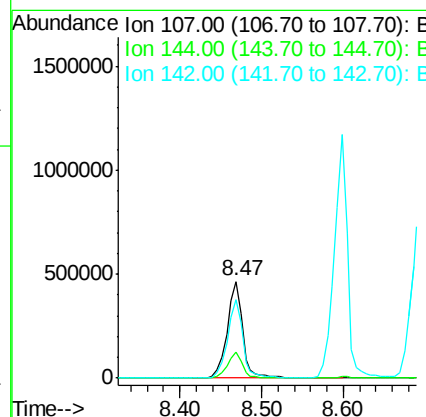
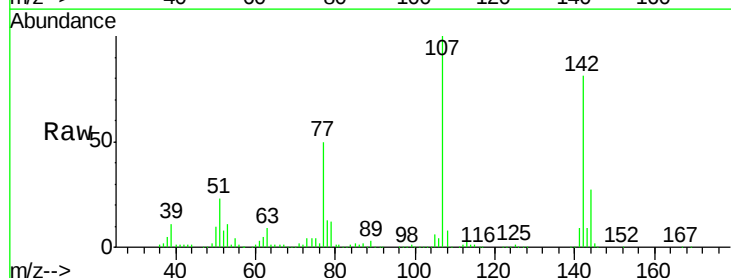
Manual Integrations
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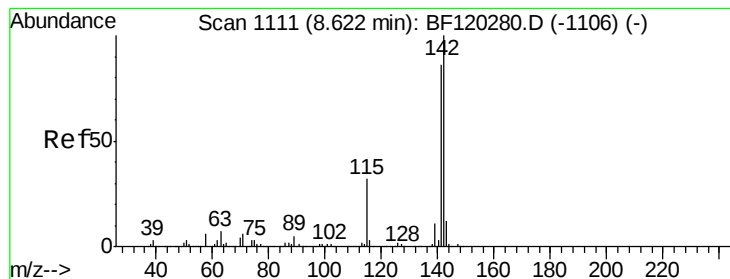
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 46.29 ng
 RT: 8.47 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	613426		
144	26.5	21.4	32.2	
142	81.3	65.1	97.7	





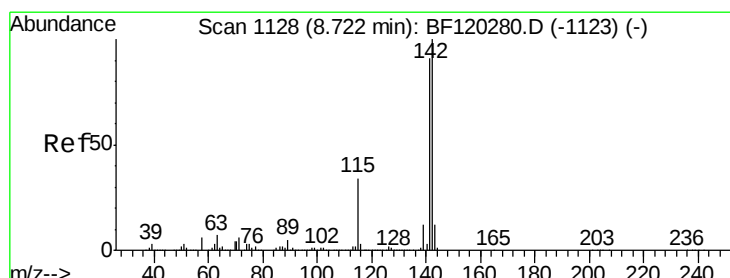
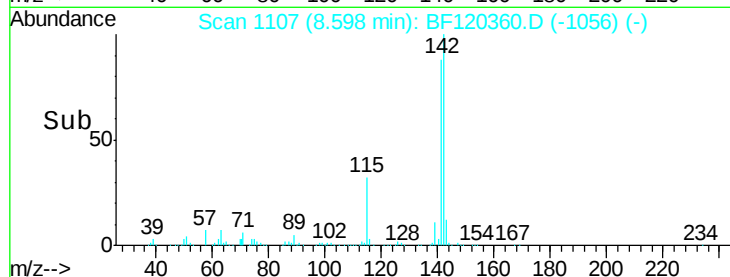
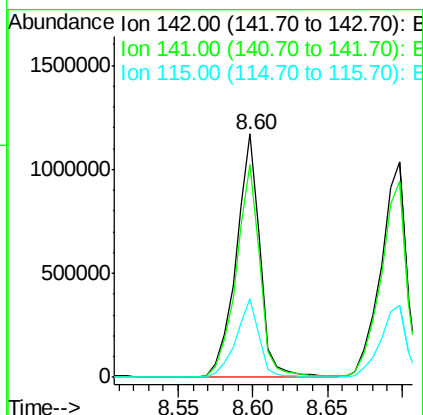
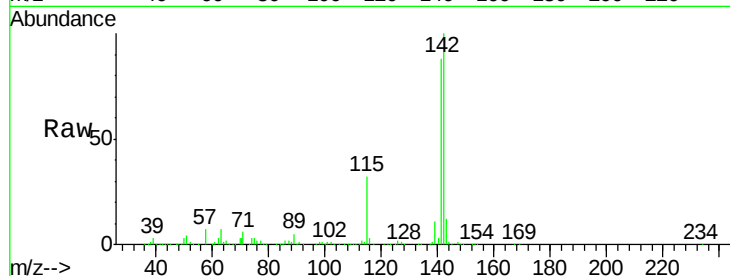
#37
2-Methylnaphthalene
Concen: 45.25 ng
RT: 8.60 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion:142 Resp: 1303526
Ion Ratio Lower Upper
142 100
141 87.7 68.8 103.2
115 32.4 25.7 38.5

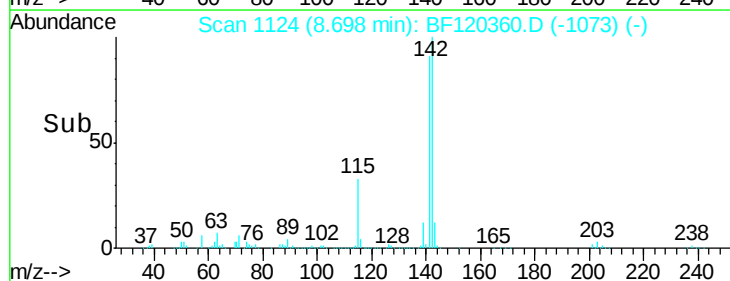
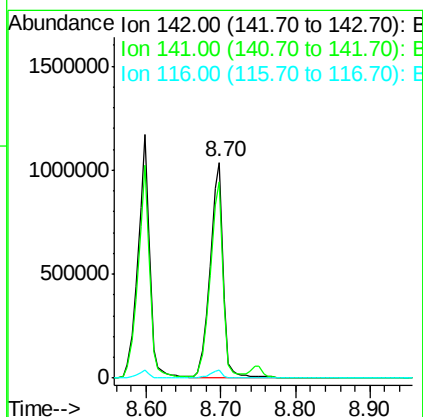
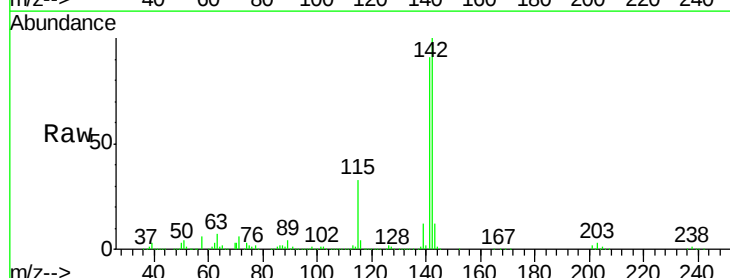
Manual Integrations
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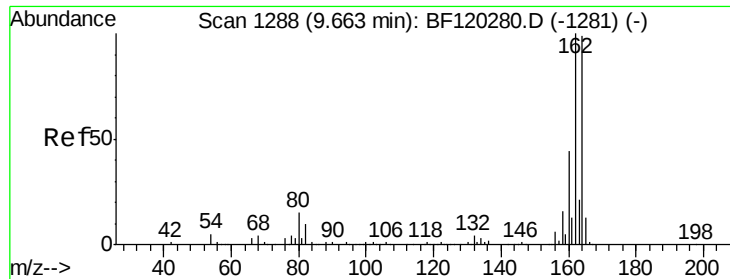
mohammad
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#38
1-Methylnaphthalene
Concen: 44.47 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion:142 Resp: 1242521
Ion Ratio Lower Upper
142 100
141 91.1 73.0 109.6
116 3.6 2.7 4.1





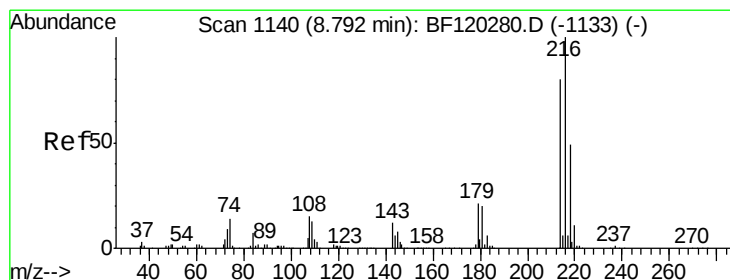
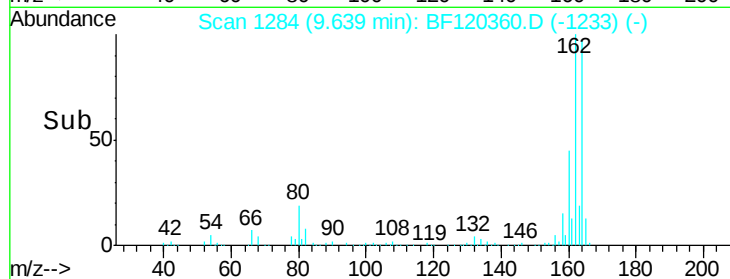
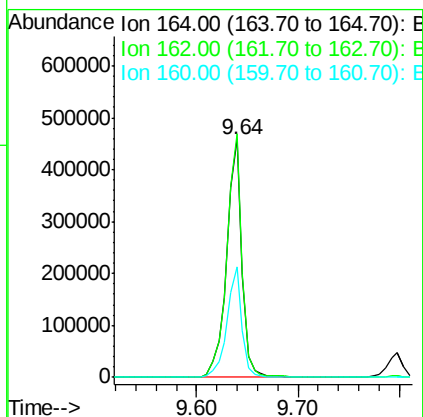
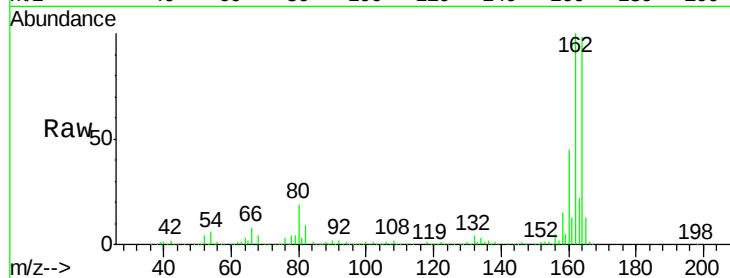
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	480143	81.2	121.8
160	46.4		35.8	53.6

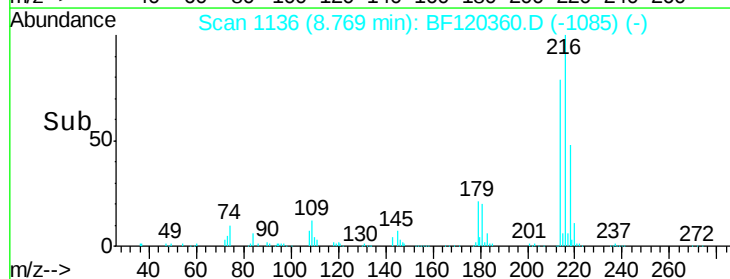
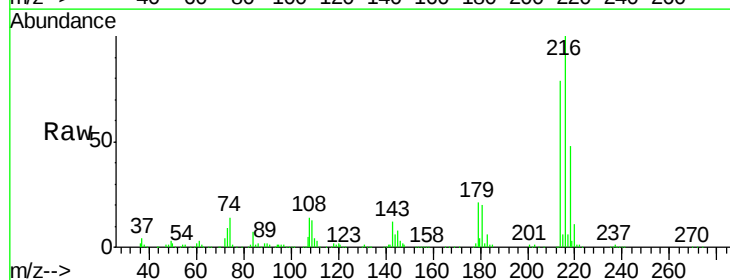
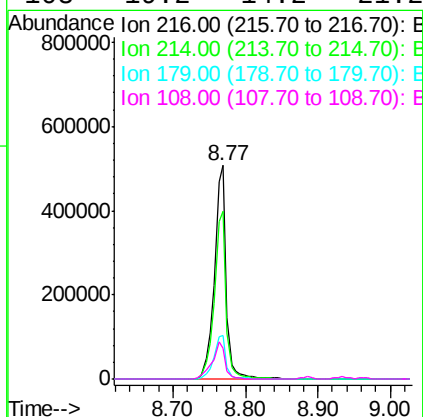
Manual Integrations
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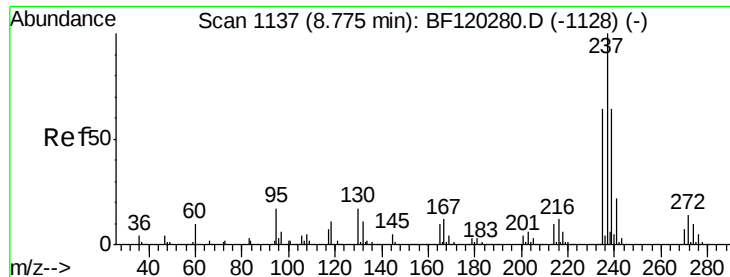
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.37 ng
RT: 8.77 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	573511		
214	79.0		64.0	96.0
179	21.2		16.9	25.3
108	19.2		14.2	21.2





#41

Hexachlorocyclopentadiene

Concen: 91.32 ng

RT: 8.75 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

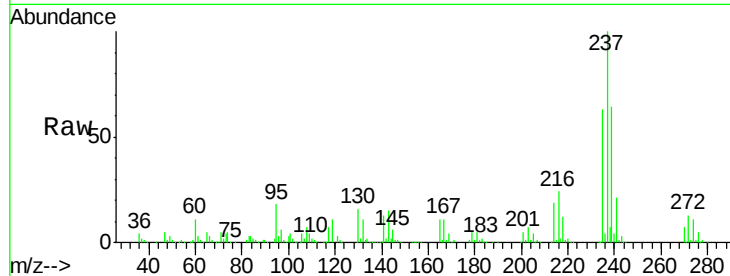
ClientSampleId :

PB128986BS

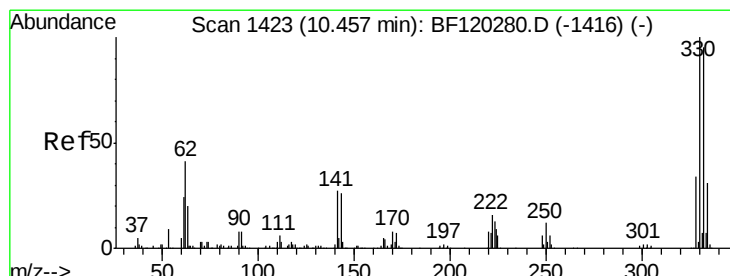
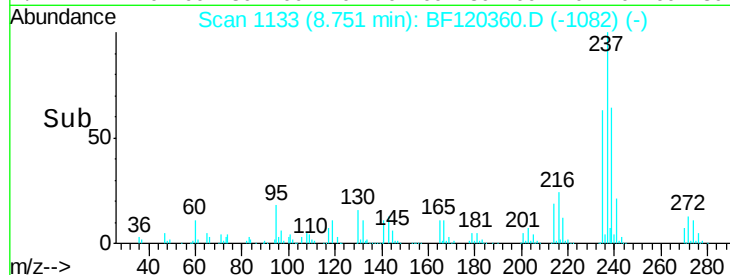
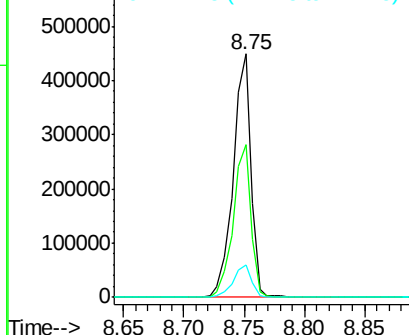
Tgt Ion:	237	Resp:	461182
Ion Ratio	Lower	Upper	
237	100		
235	62.6	43.8	83.8
272	13.5	0.0	33.9

Manual Integrations
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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: 150.32 ng

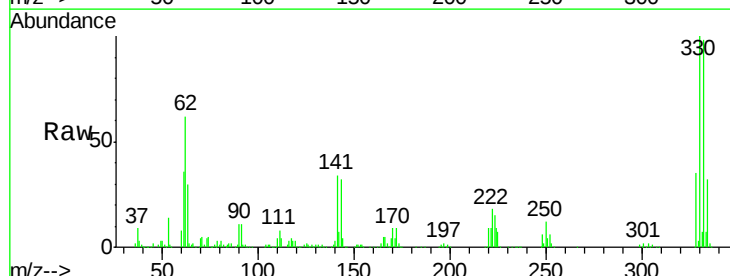
RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

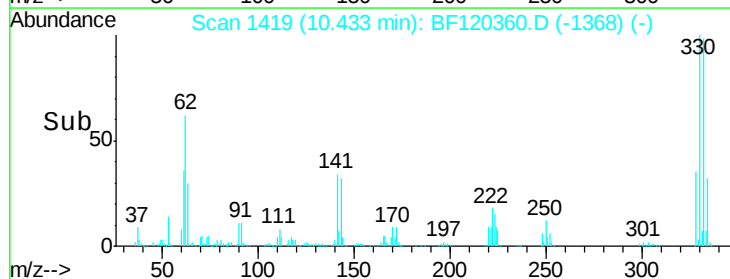
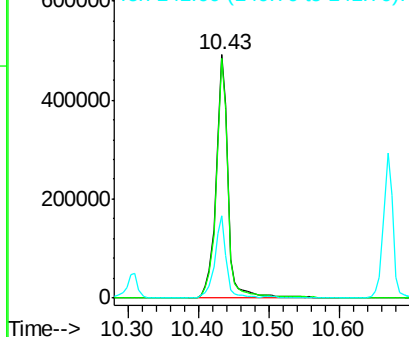
Lab File: BF120360.D

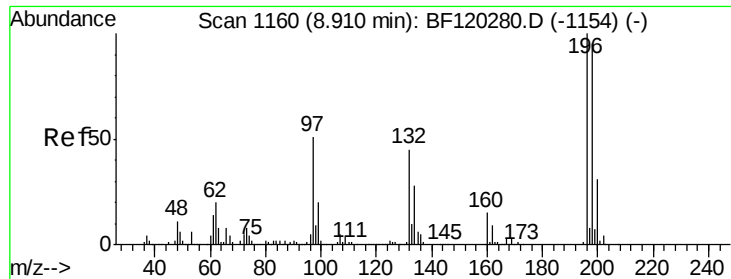
Acq: 19 May 2020 13:34

Tgt Ion:	330	Resp:	588479
Ion Ratio	Lower	Upper	
330	100		
332	96.6	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





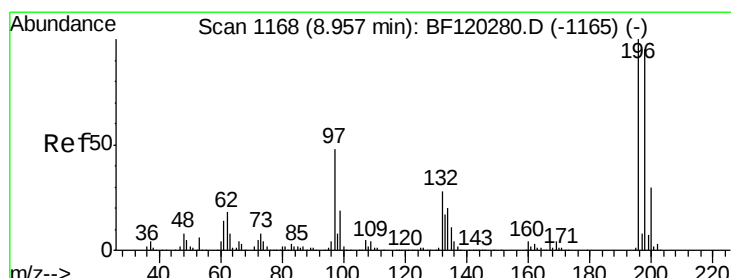
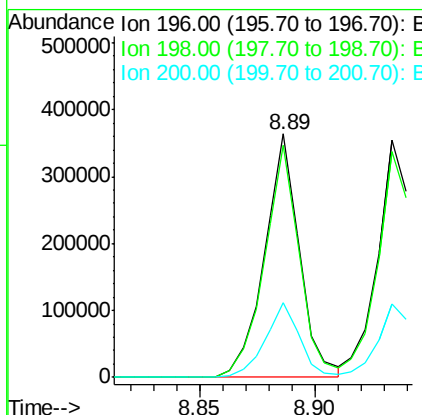
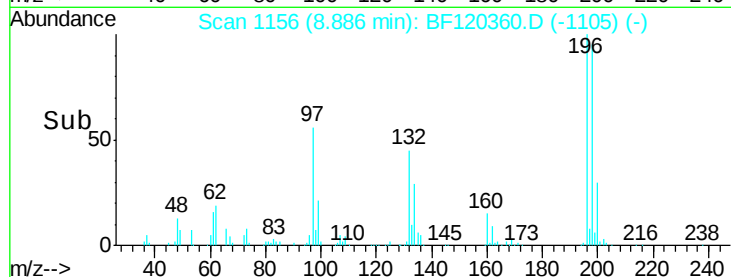
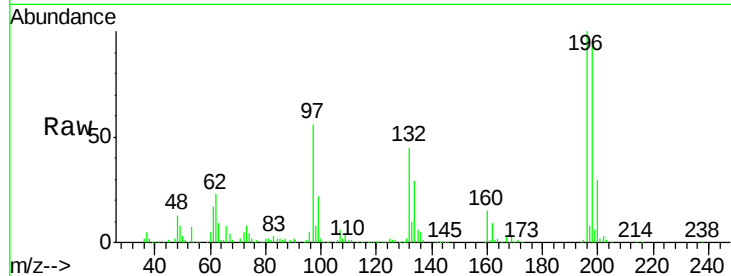
#43
 2,4,6-Trichlorophenol
 Concen: 47.03 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	382199		
198	95.4	76.2	114.4	
200	30.4	24.9	37.3	

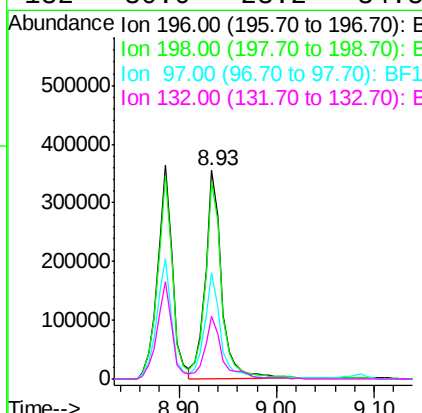
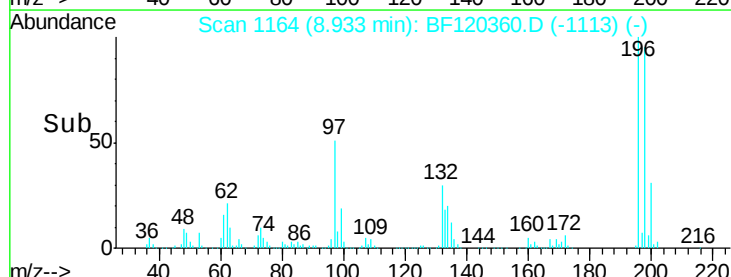
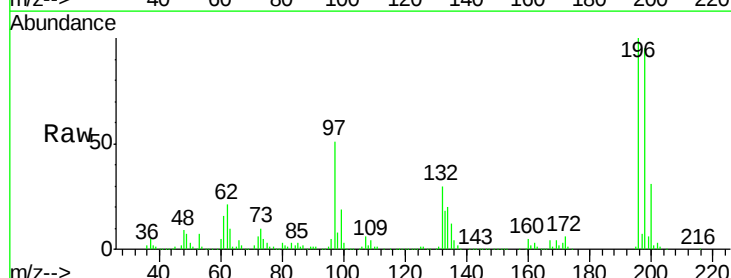
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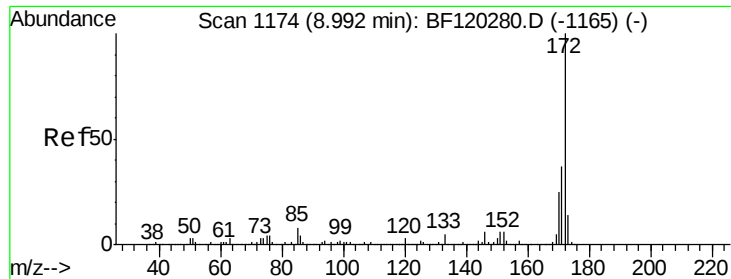
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 44.15 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	412026		
198	94.7	76.2	114.4	
97	50.7	38.6	57.8	
132	30.0	23.2	34.8	





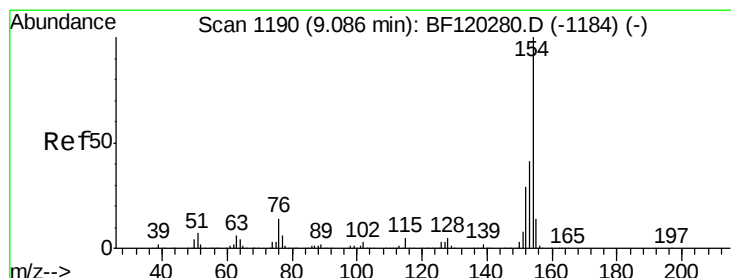
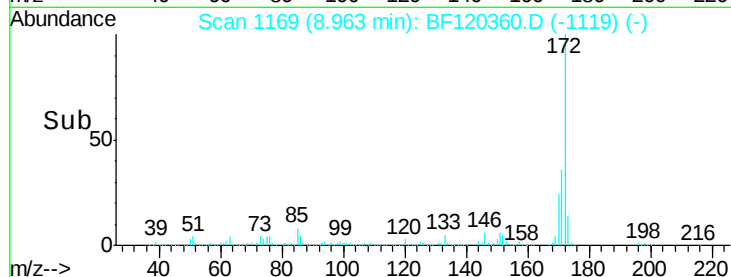
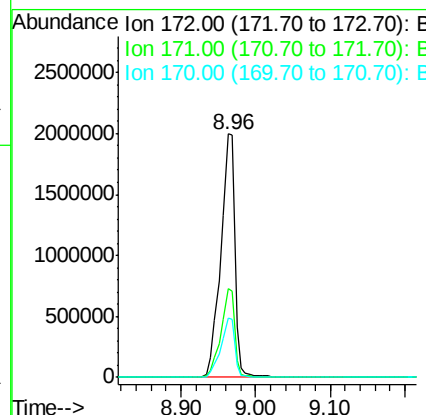
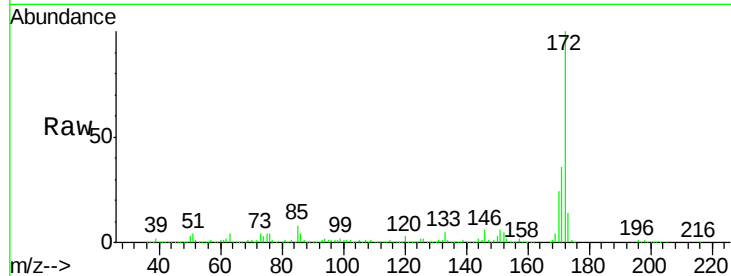
#45
 2-Fluorobiphenyl
 Concen: 112.08 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion:172 Resp: 2619412
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.2 19.9 29.9

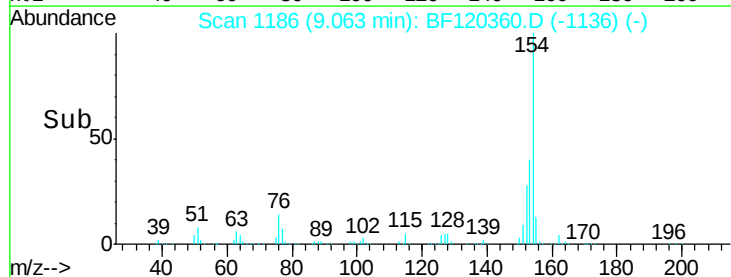
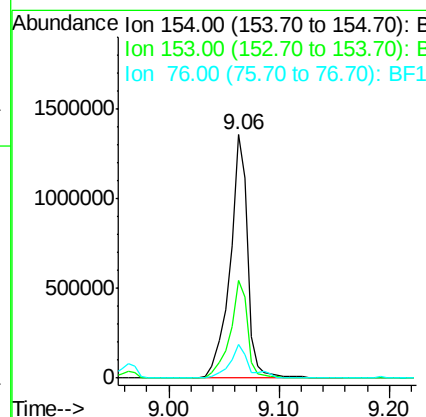
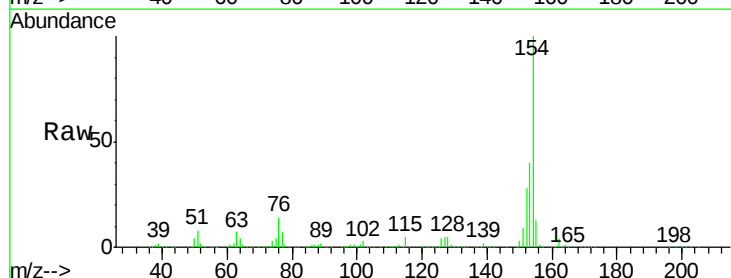
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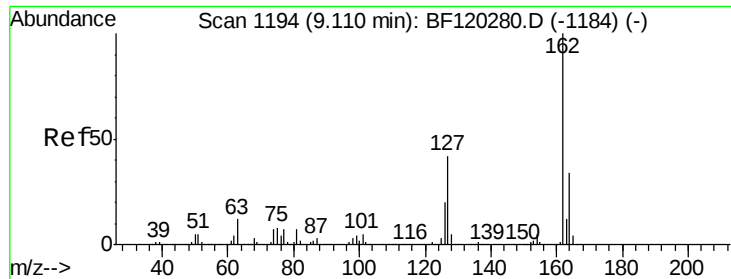
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#46
 1,1'-Biphenyl
 Concen: 48.36 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion:154 Resp: 1521338
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.8 60.8
 76 14.0 0.0 34.3





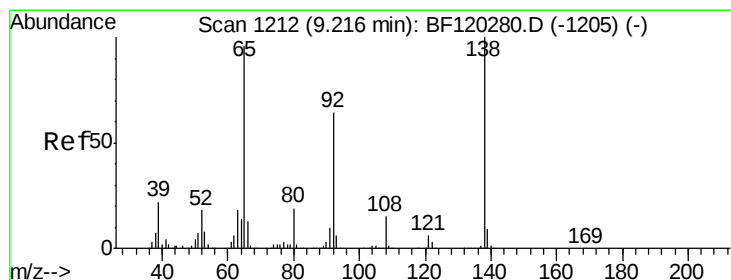
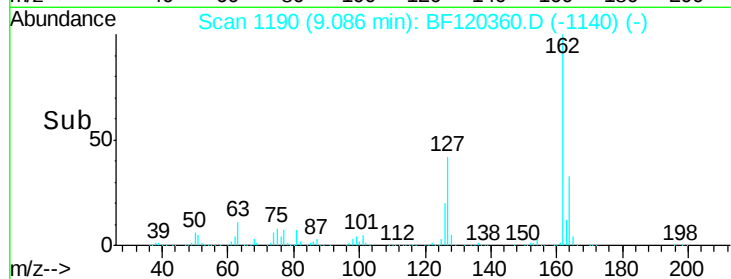
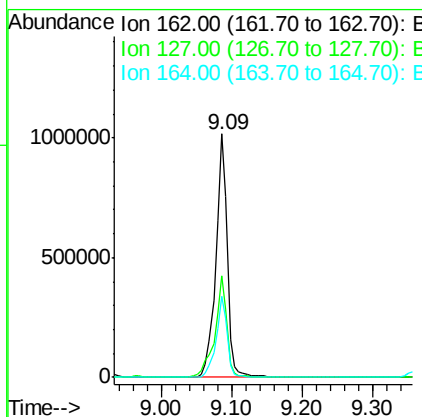
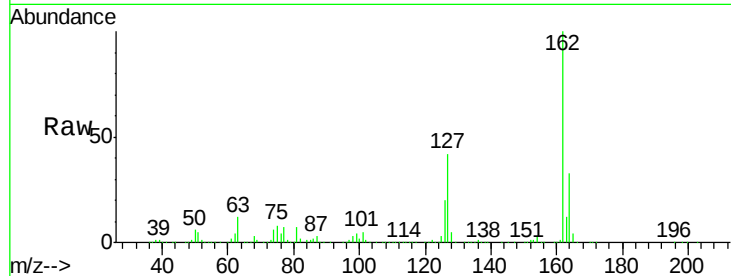
#47
 2-Chloronaphthalene
 Concen: 45.98 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.4	50.0
164	33.3	27.0	40.6

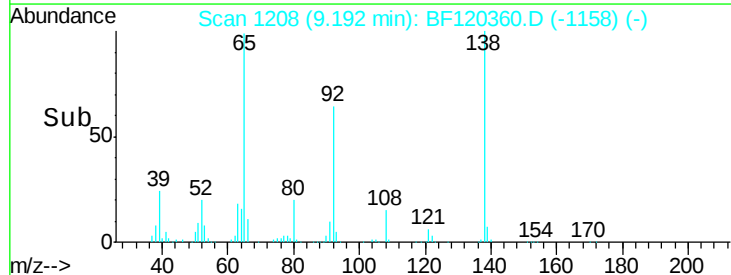
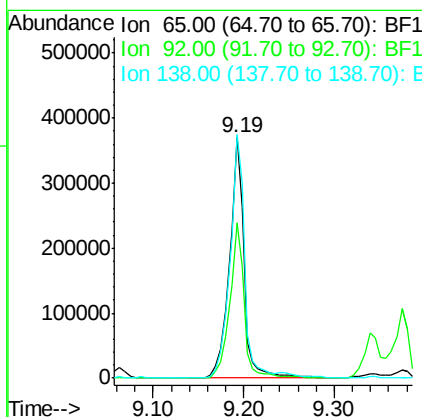
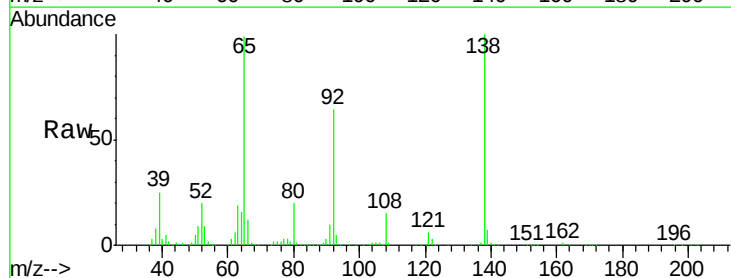
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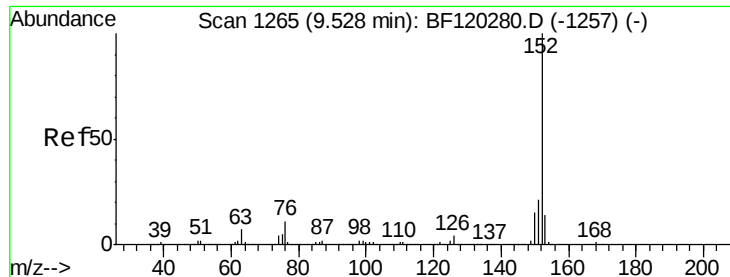
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#48
 2-Nitroaniline
 Concen: 45.26 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.9	79.3
138	101.1	83.0	124.4





#49

Acenaphthylene

Concen: 47.45 ng

RT: 9.50 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

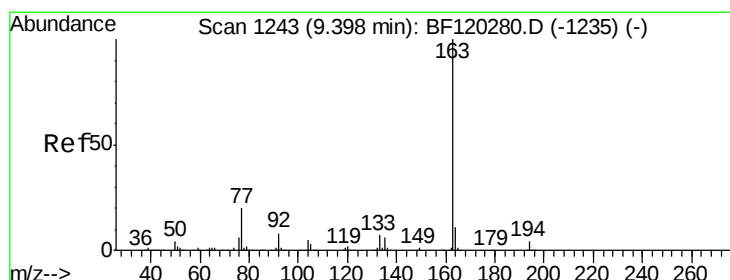
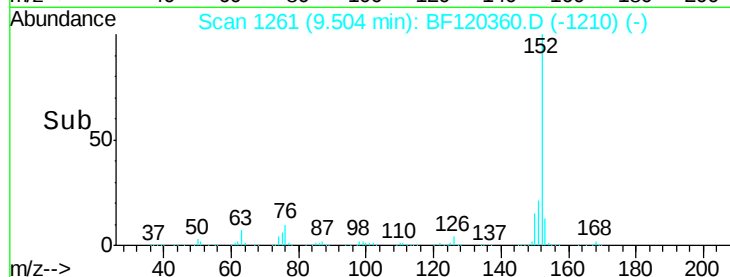
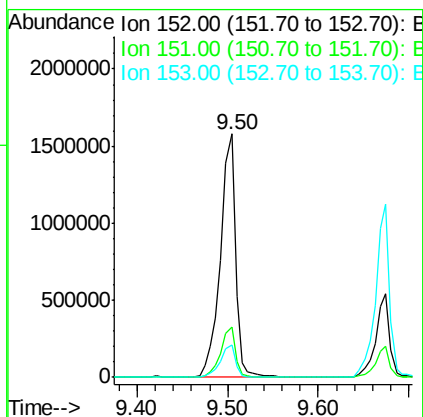
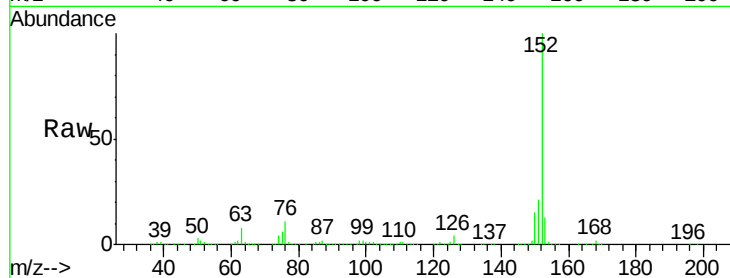
ClientSampleId :

PB128986BS

Tgt Ion:	152	Resp:	1828994
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0
153	13.1	11.1	16.7

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#50

Dimethylphthalate

Concen: 45.52 ng

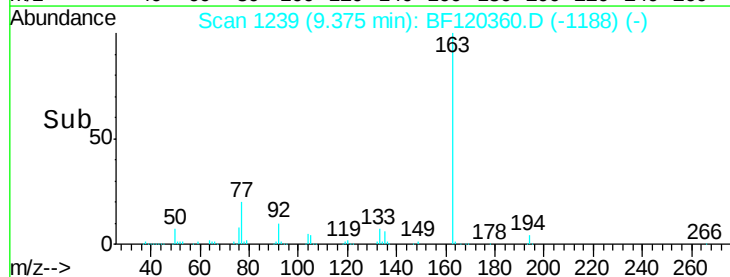
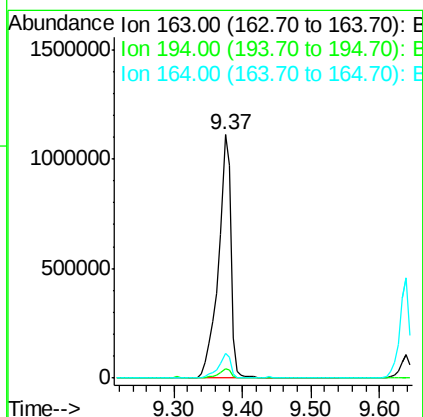
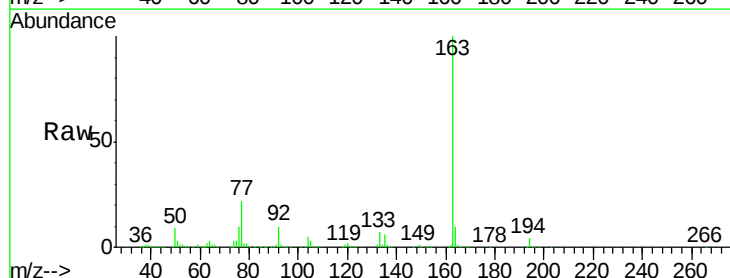
RT: 9.37 min Scan# 1239

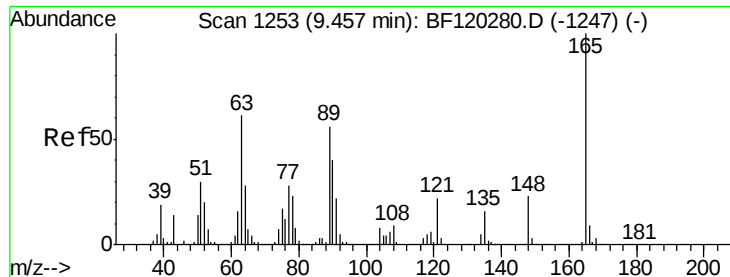
Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion:	163	Resp:	1381691
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.1	4.7
164	10.4	8.6	12.8





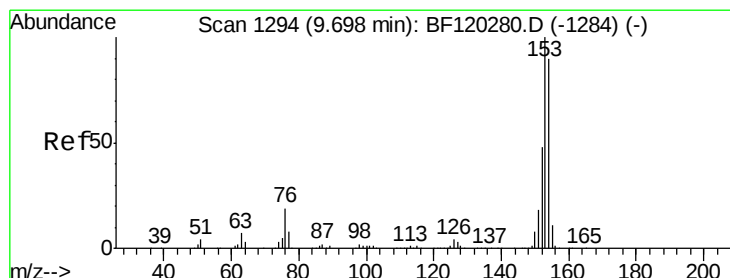
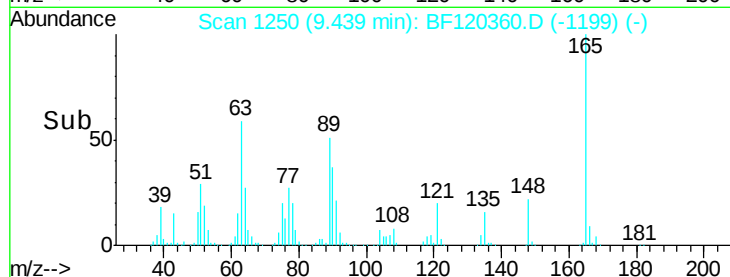
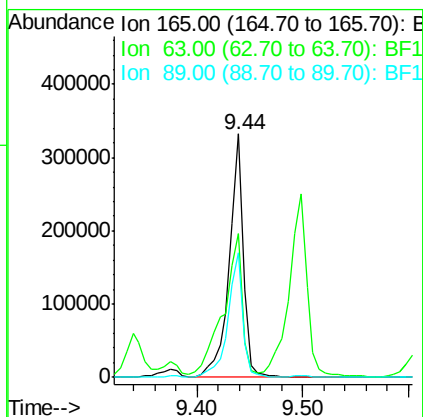
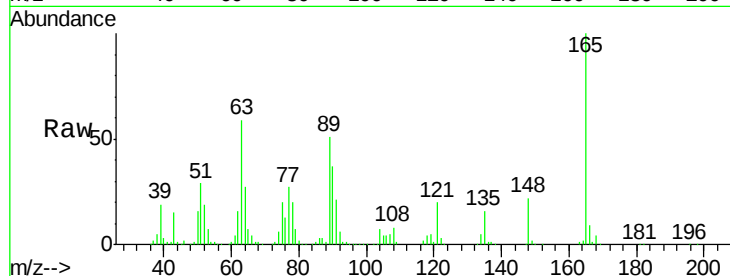
#51
 2,6-Dinitrotoluene
 Concen: 45.50 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	308254		
63	59.2	50.2	75.2	
89	51.4	44.6	66.8	

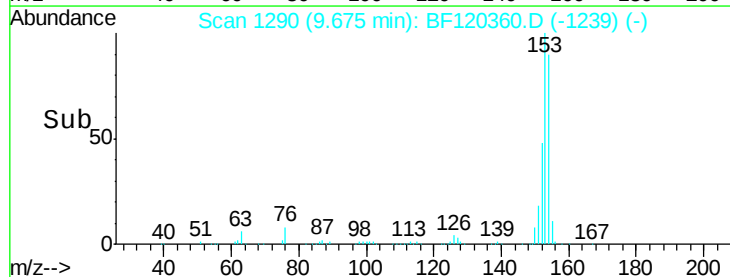
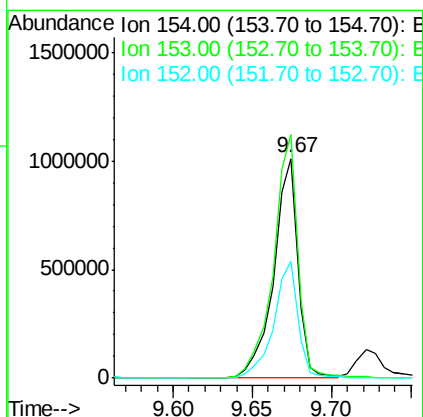
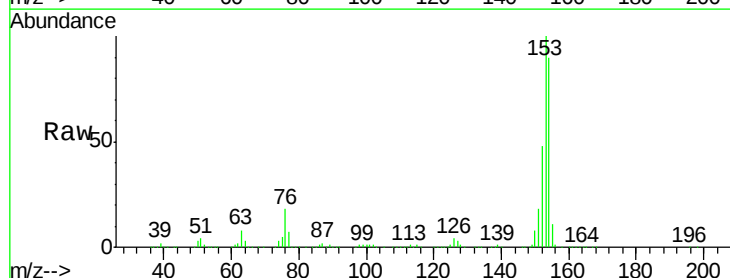
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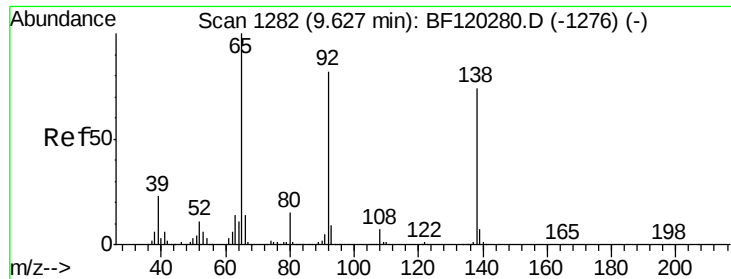
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#52
 Acenaphthene
 Concen: 46.70 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1079127		
153	110.9	89.0	133.4	
152	53.5	42.6	64.0	





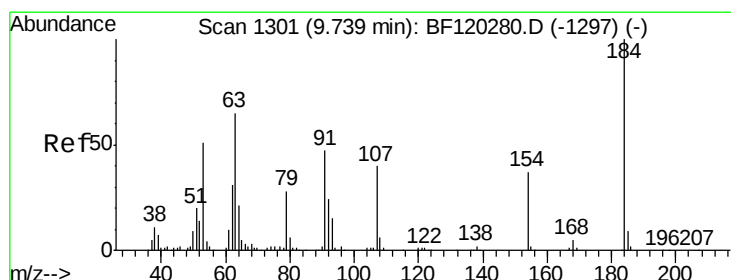
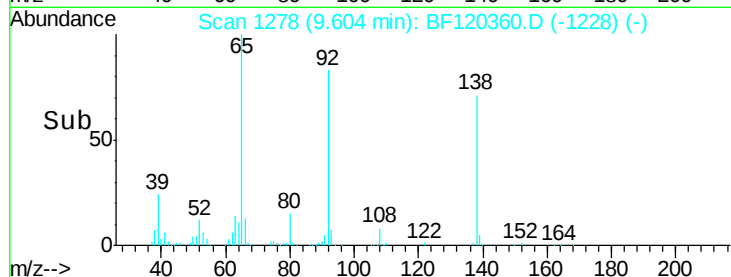
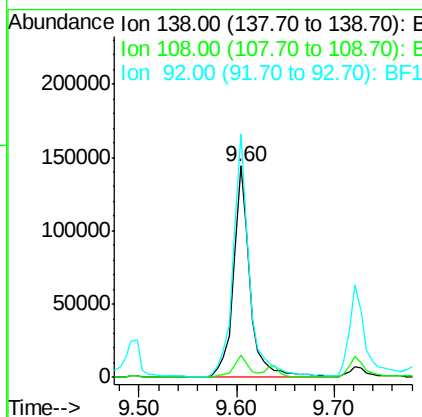
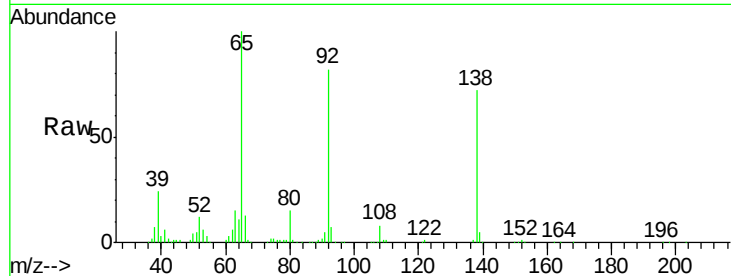
#53
3-Nitroaniline
Concen: 20.91 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	168895		
108	10.7	8.2	12.2	
92	115.3	89.6	134.4	

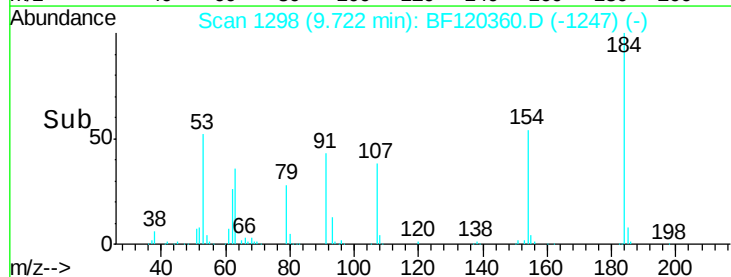
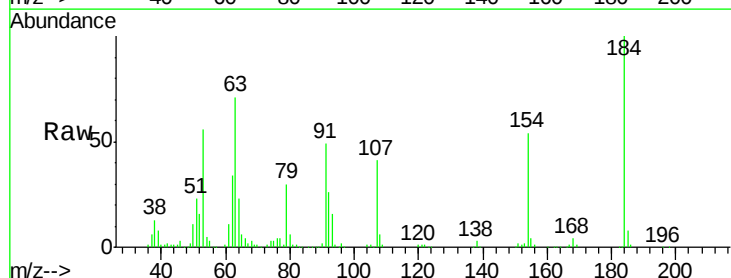
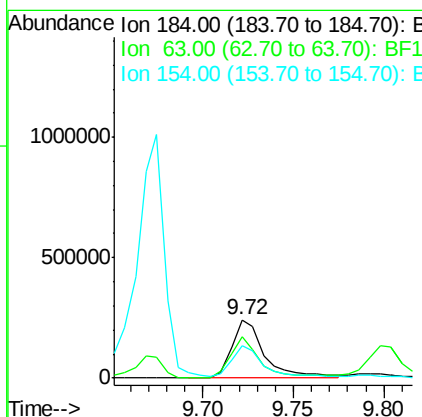
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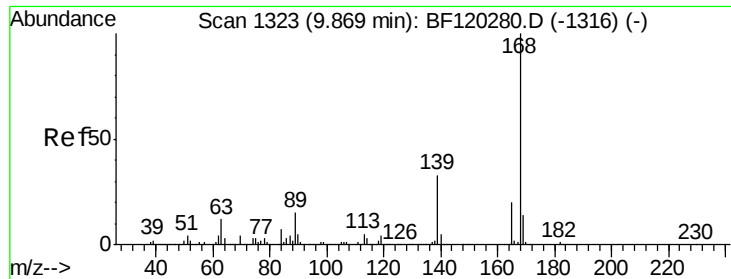
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#54
2,4-Dinitrophenol
Concen: 95.61 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	305736		
63	70.8	53.6	80.4	
154	54.5	46.8	70.2	





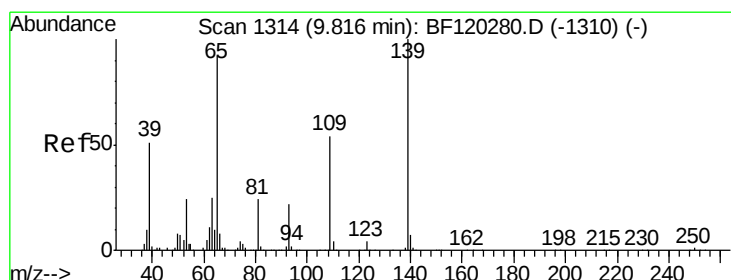
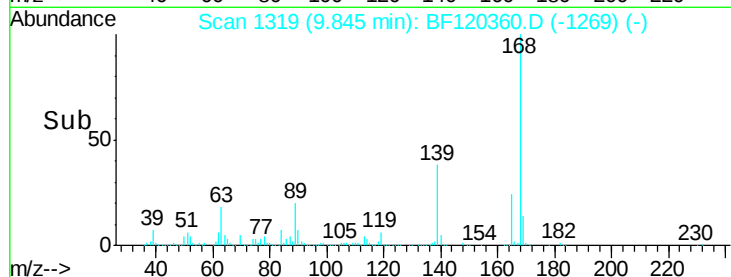
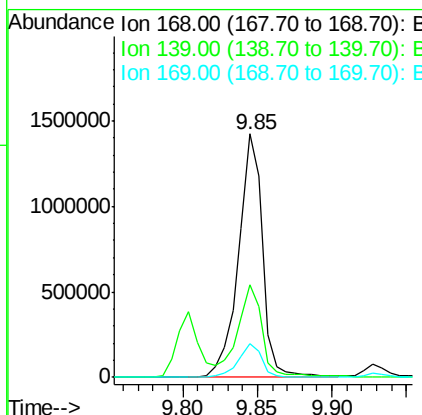
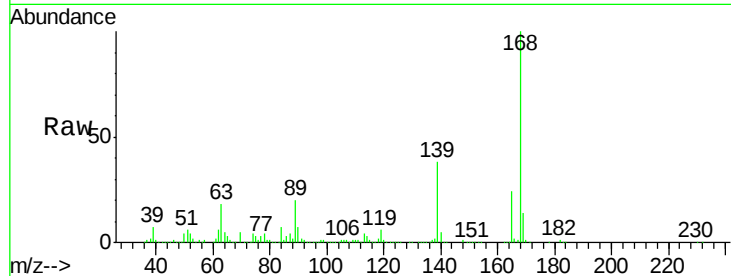
#55
Dibenzofuran
Concen: 48.21 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.3	29.8	44.6
169	13.7	11.0	16.6

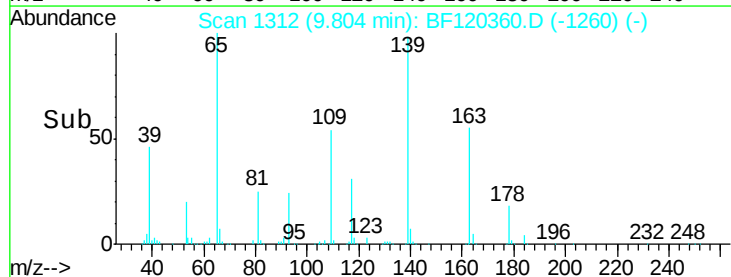
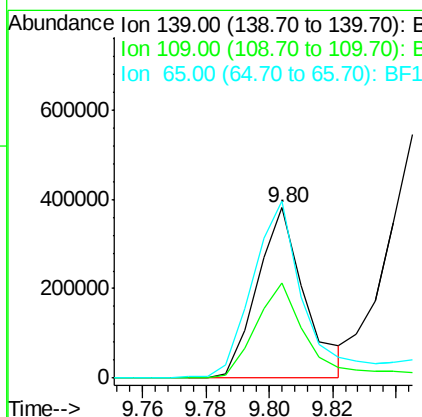
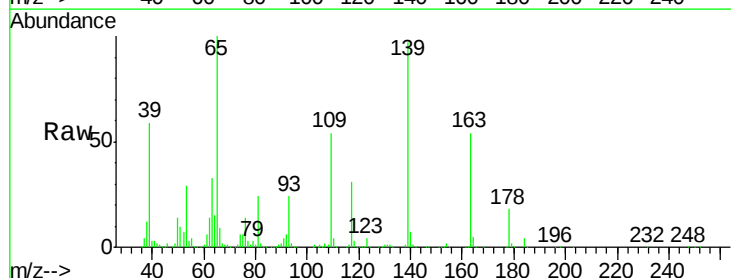
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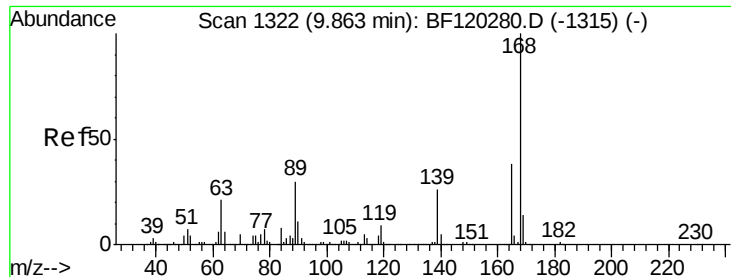
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#56
4-Nitrophenol
Concen: 91.77 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Lower	Upper
139	100		
109	55.6	34.6	74.6
65	103.6	73.3	113.3





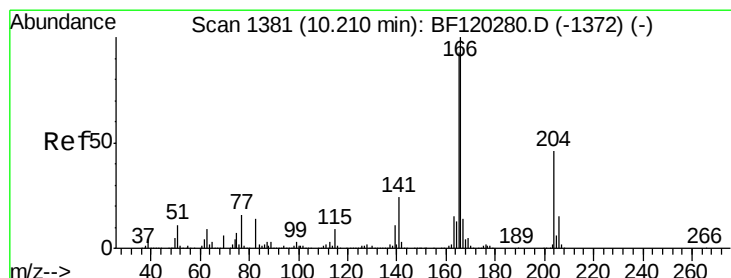
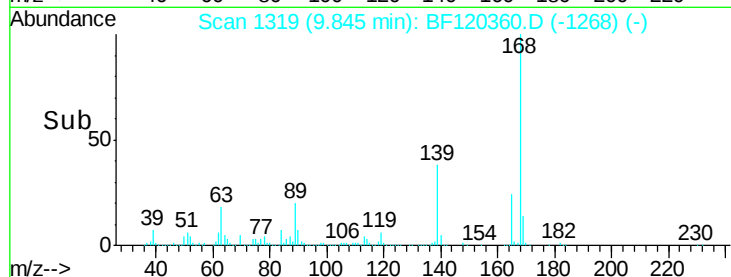
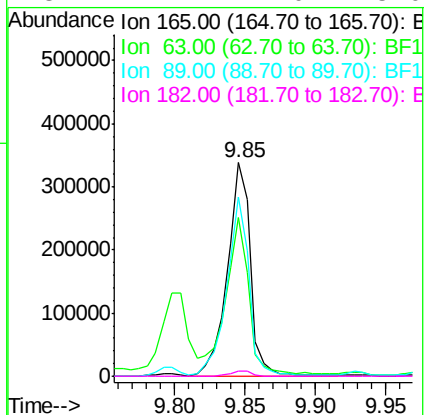
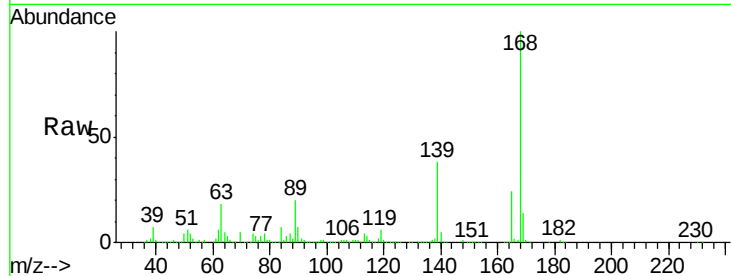
#57
 2,4-Dinitrotoluene
 Concen: 47.83 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	380079		
63	74.2	51.8	77.8	
89	83.9	64.2	96.4	
182	2.2	2.0	3.0	

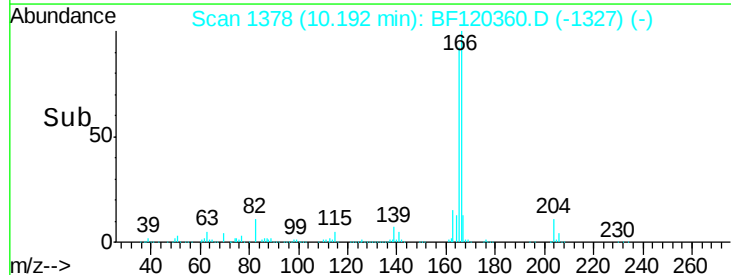
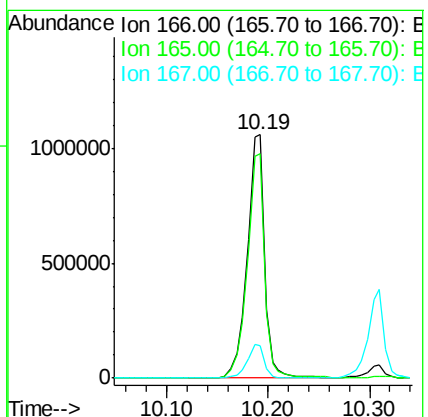
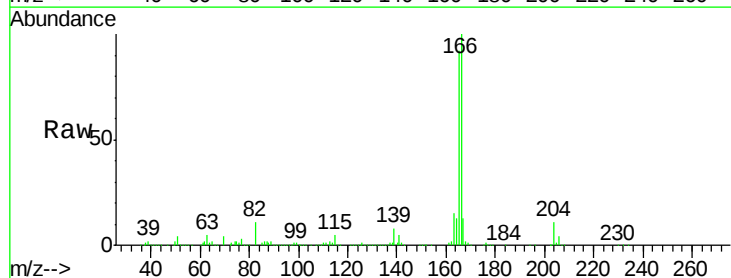
Manual Integrations
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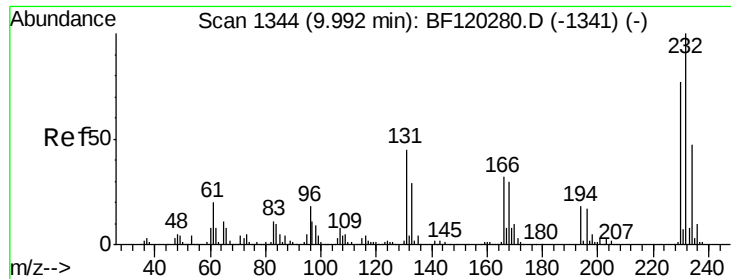
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#58
 Fluorene
 Concen: 50.10 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1269602		
165	92.4	74.7	112.1	
167	13.2	11.4	17.0	





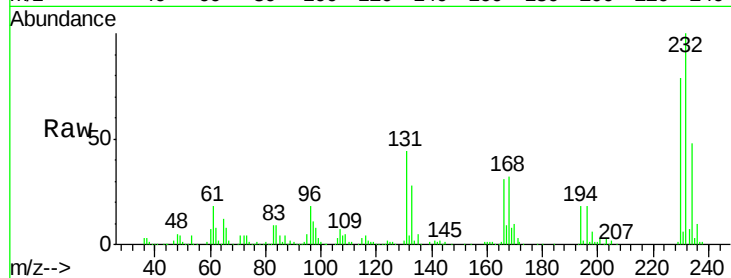
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.24 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

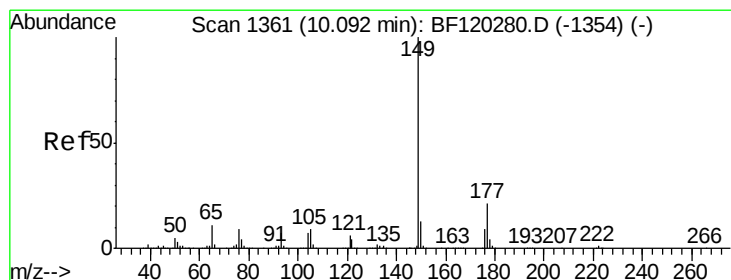
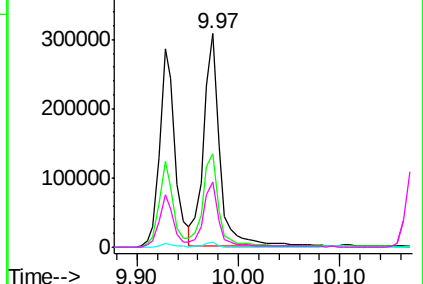
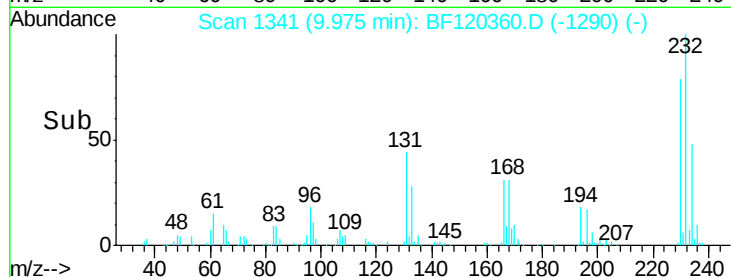
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	338823		
131	42.5		34.1	51.1
130	2.1		1.7	2.5
166	28.8		23.3	34.9

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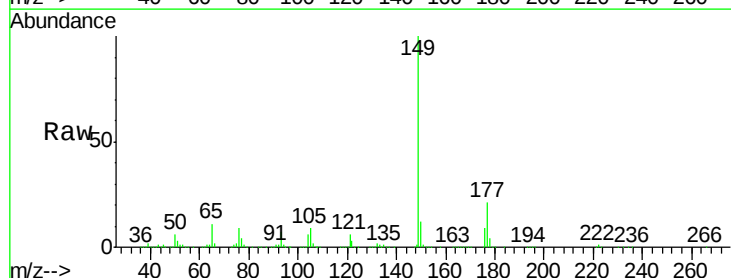


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

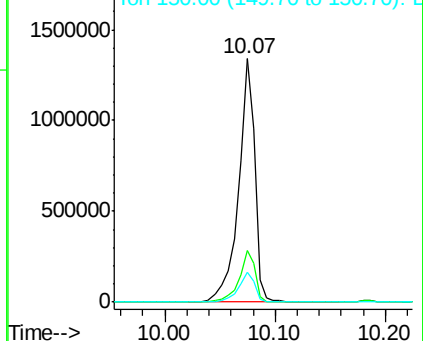
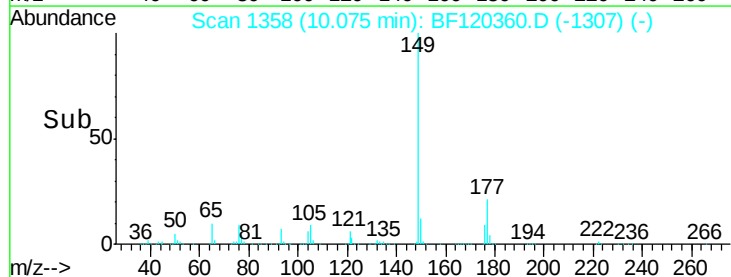


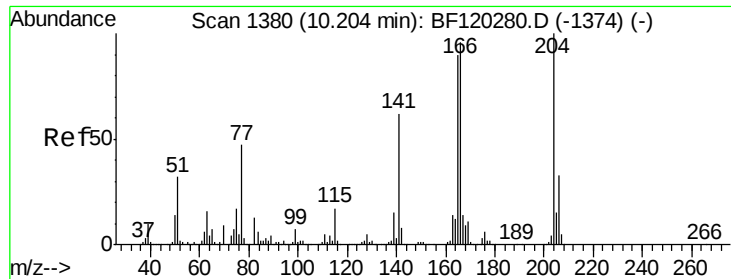
#60
 Diethylphthalate
 Concen: 47.15 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1381556		
177	21.3		17.1	25.7
150	12.5		10.3	15.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





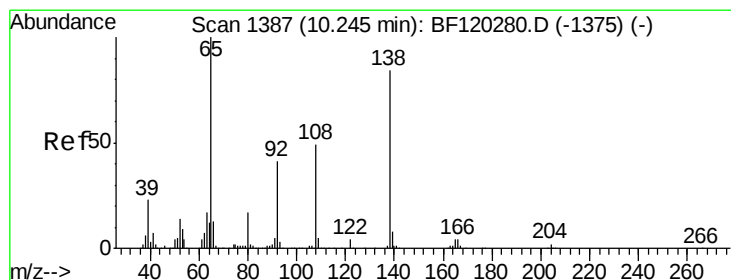
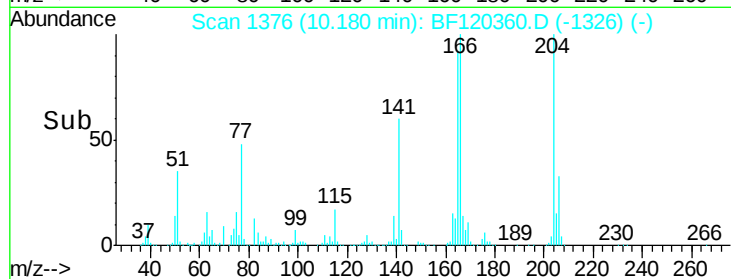
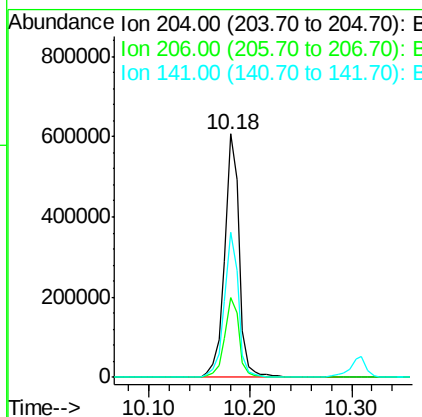
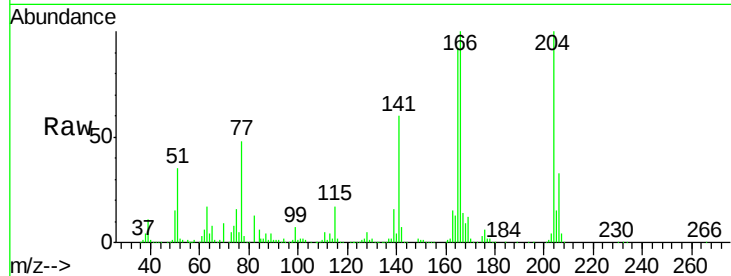
#61
 4-Chlorophenyl-phenylether
 Concen: 46.12 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion:	204	Resp:	607588
Ion Ratio	Lower	Upper	
204	100		
206	32.9	26.8	40.2
141	59.6	49.5	74.3

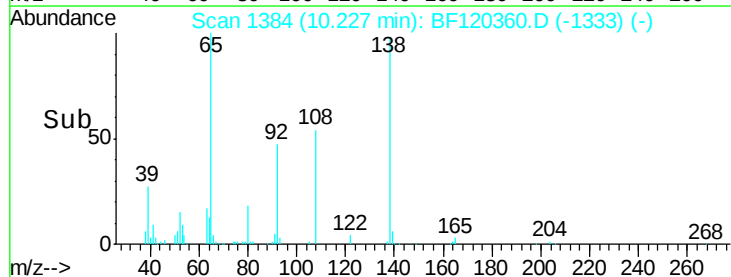
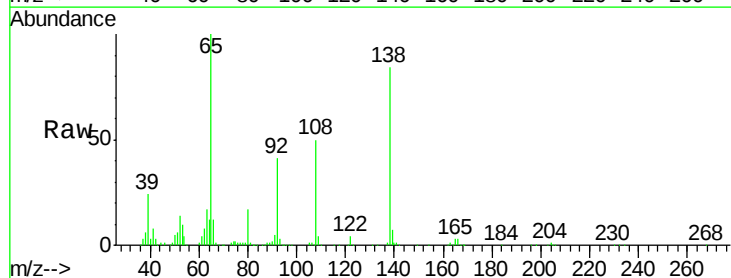
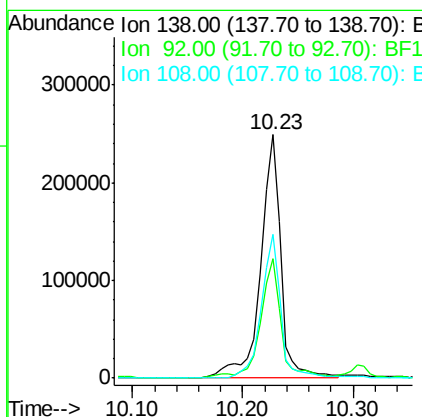
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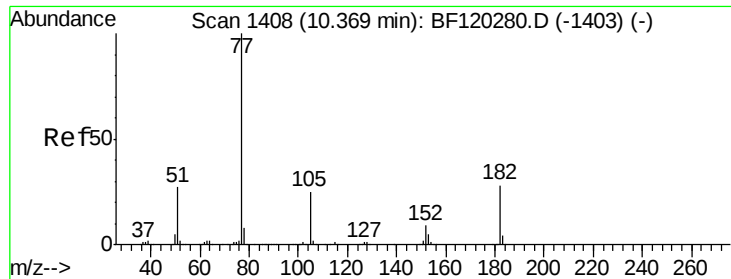
mohammad
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#62
 4-Nitroaniline
 Concen: 43.02 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion:	138	Resp:	323626
Ion Ratio	Lower	Upper	
138	100		
92	48.8	28.9	68.9
108	59.0	38.4	78.4





#63

Azobenzene

Concen: 49.41 ng

RT: 10.35 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

ClientSampleId :

PB128986BS

Tgt Ion: 77 Resp: 1368514

Ion Ratio Lower Upper

77 100

182 24.9 7.4 47.4

105 22.9 4.4 44.4

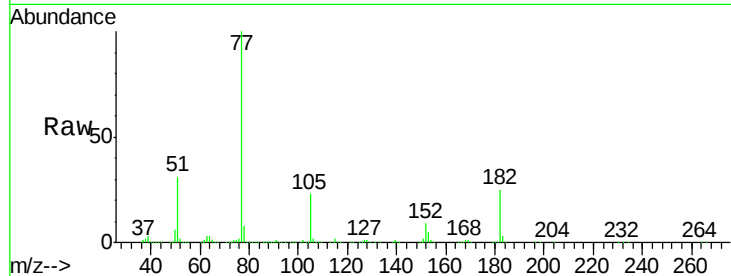
51 31.1 8.3 48.3

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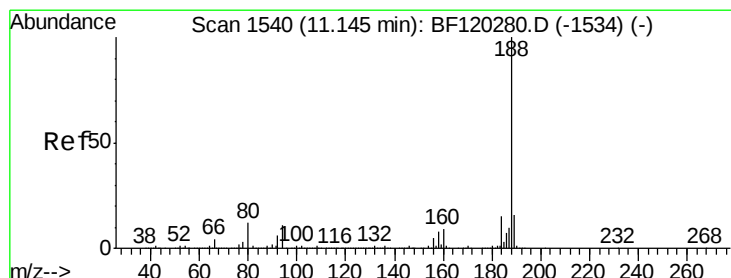
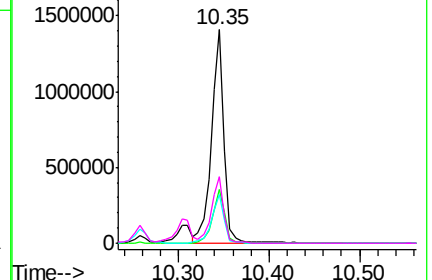
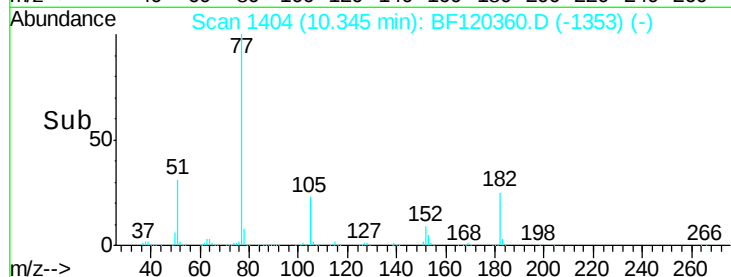


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

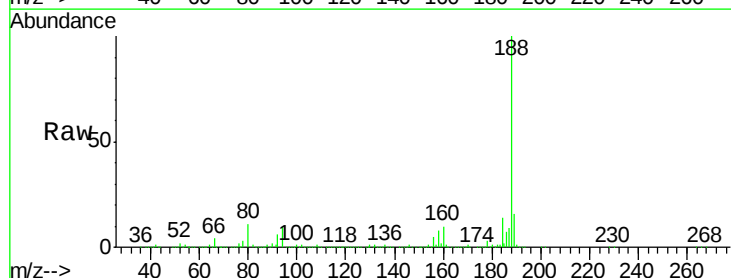
Tgt Ion: 188 Resp: 903116

Ion Ratio Lower Upper

188 100

94 10.4 8.6 13.0

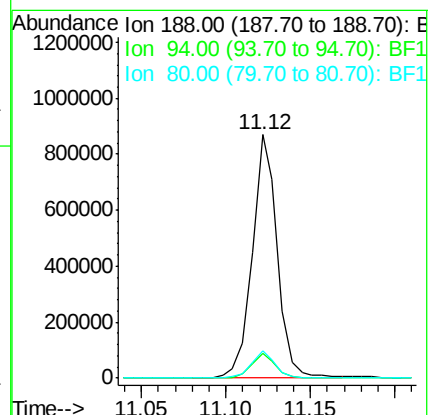
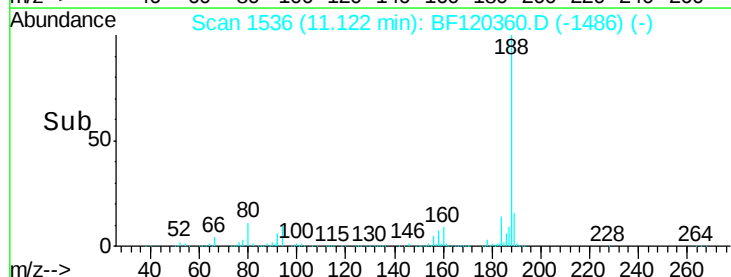
80 11.0 9.2 13.8

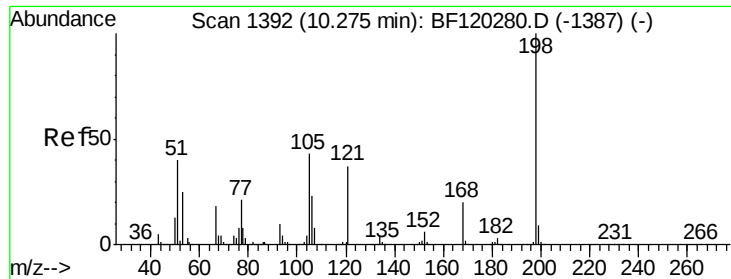


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





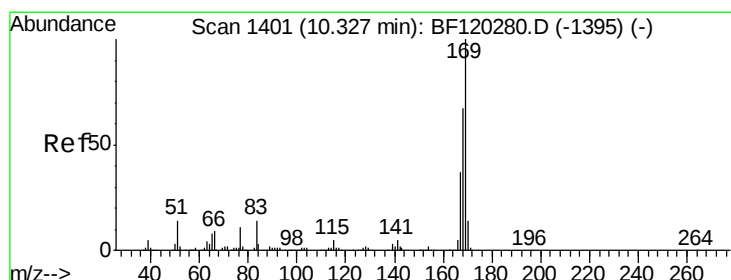
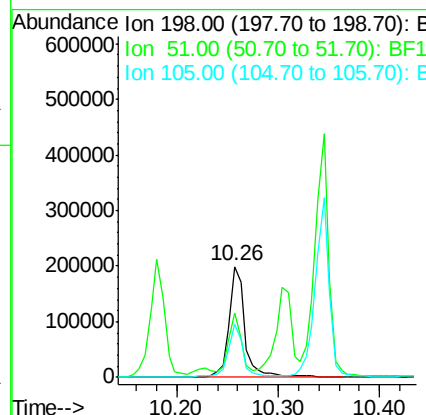
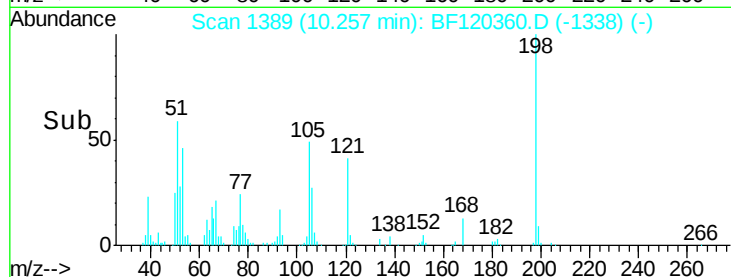
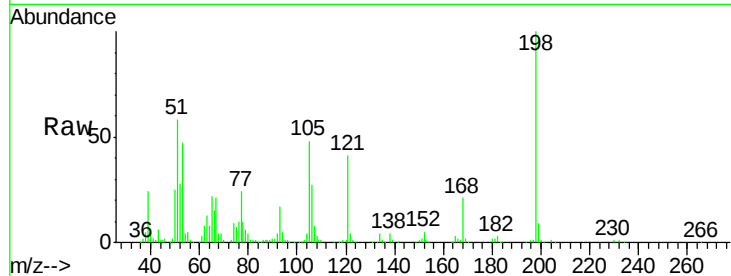
#65
 4,6-Dinitro-2-methylphenol
 Concen: 47.62 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	217514		
51	58.4	27.1	67.1	
105	48.0	24.3	64.3	

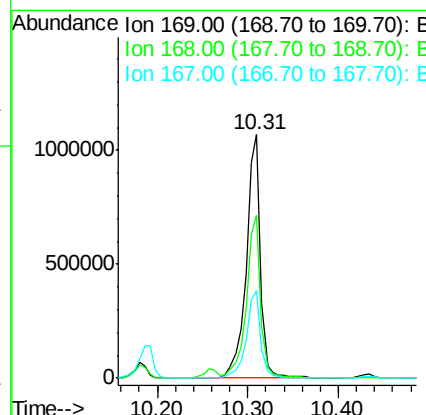
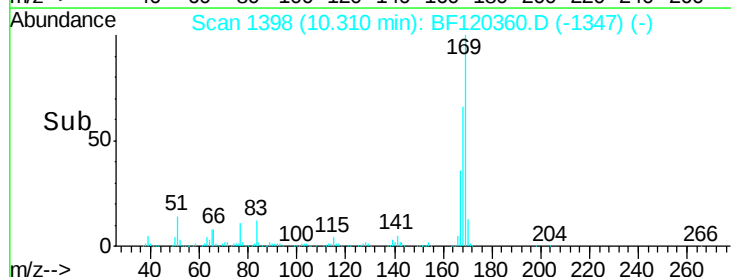
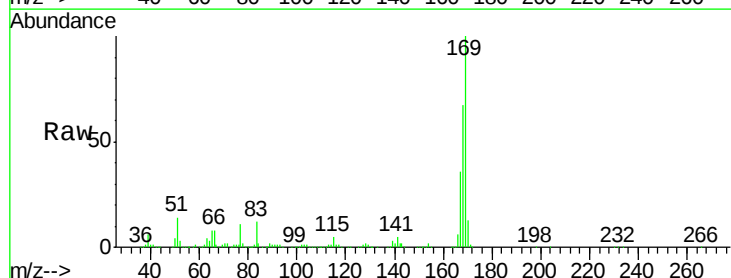
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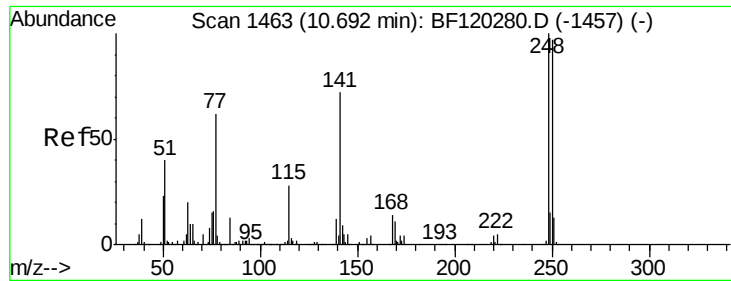
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#66
 n-Nitrosodiphenylamine
 Concen: 47.06 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1175854		
168	66.7	53.7	80.5	
167	36.1	29.8	44.6	





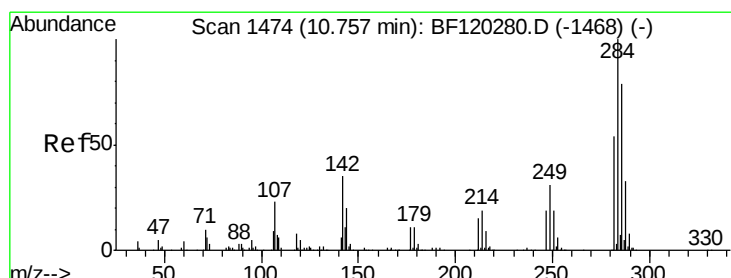
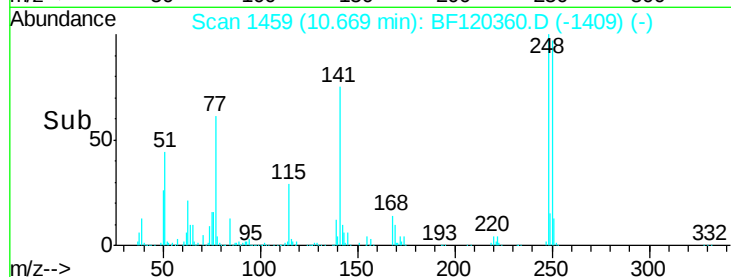
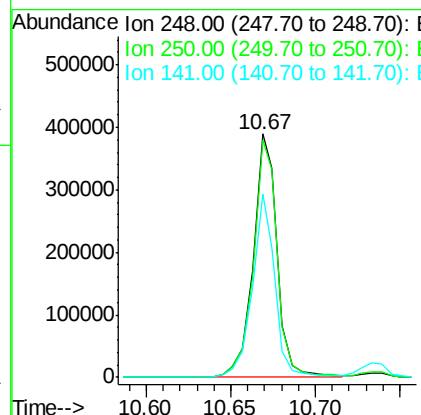
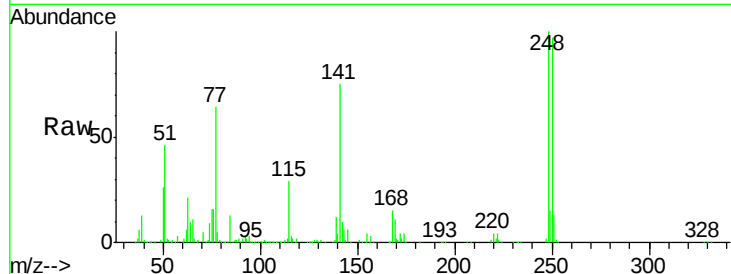
#67
 4-Bromophenyl-phenylether
 Concen: 43.93 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	384968		
250	97.3	77.8	116.6	
141	75.1	57.7	86.5	

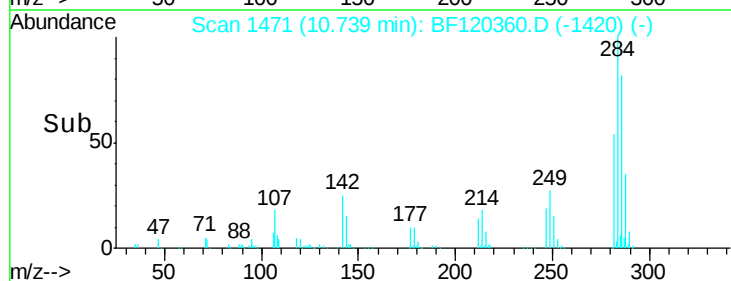
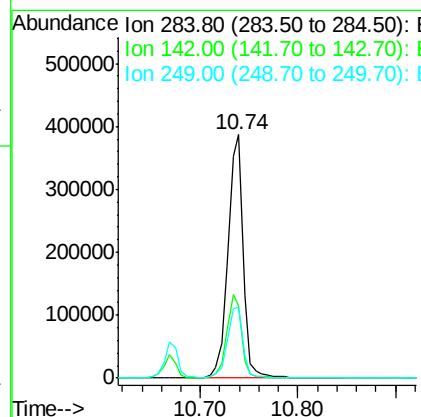
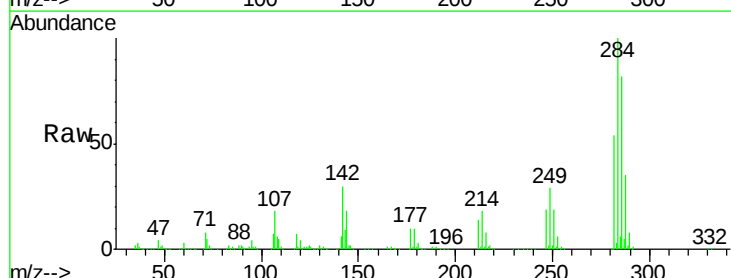
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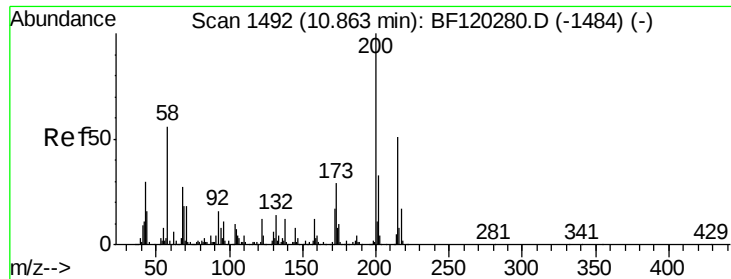
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#68
 Hexachlorobenzene
 Concen: 45.72 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	419144		
142	29.7	28.5	42.7	
249	29.1	24.8	37.2	





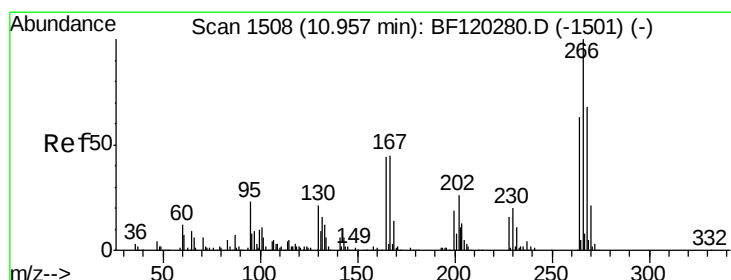
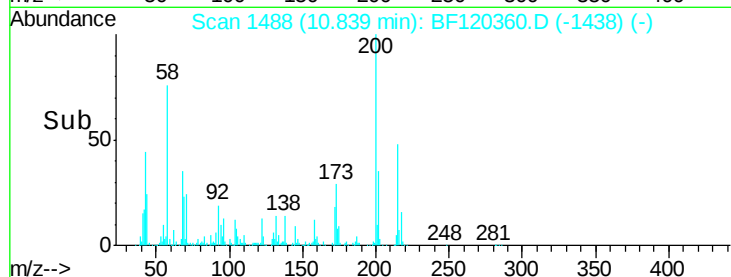
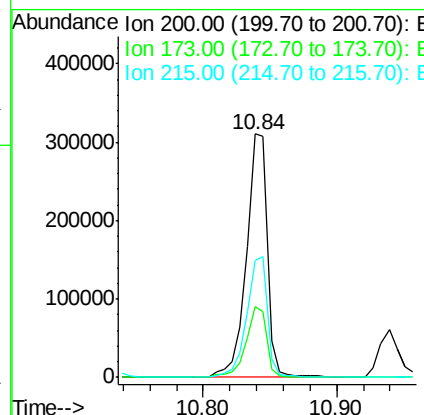
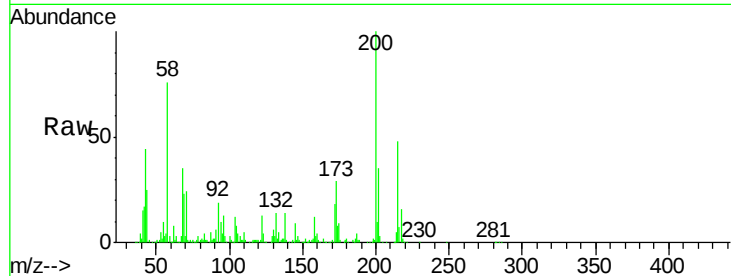
#69
Atrazine
Concen: 45.10 ng
RT: 10.84 min Scan# 1488
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	337175		
173	29.2	8.7	48.7	
215	48.2	30.6	70.6	

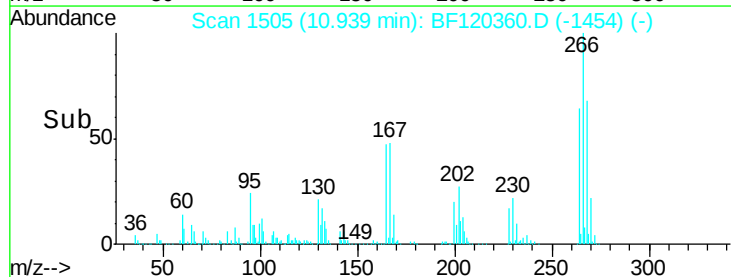
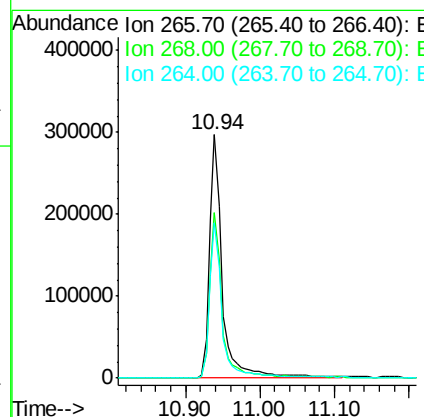
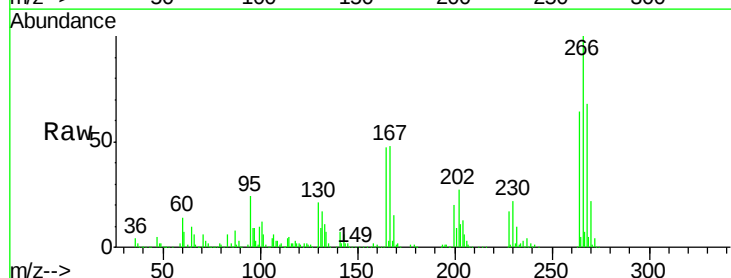
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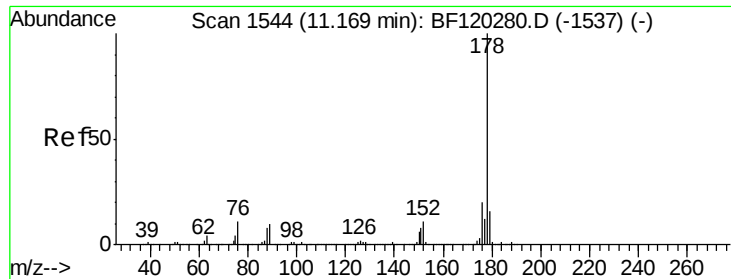
mohammad
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#70
Pentachlorophenol
Concen: 92.34 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	360049		
268	68.1	54.2	81.4	
264	63.7	50.2	75.4	





#71

Phenanthrene

Concen: 47.37 ng

RT: 11.15 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

ClientSampleId :

PB128986BS

Tgt Ion:178 Resp: 1797581

Ion Ratio Lower Upper

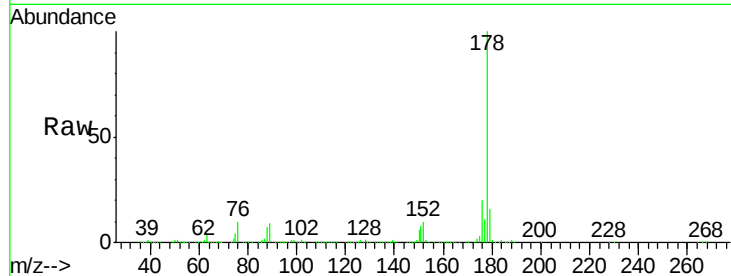
178 100

176 19.9 15.8 23.8

179 15.8 12.8 19.2

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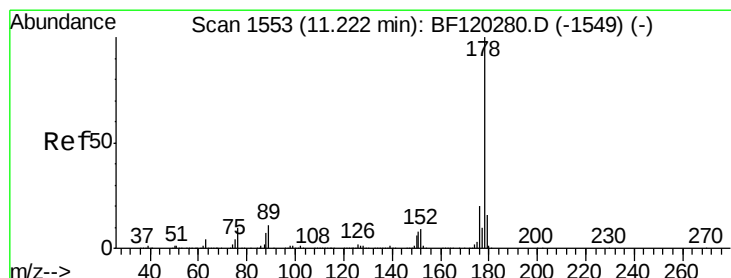
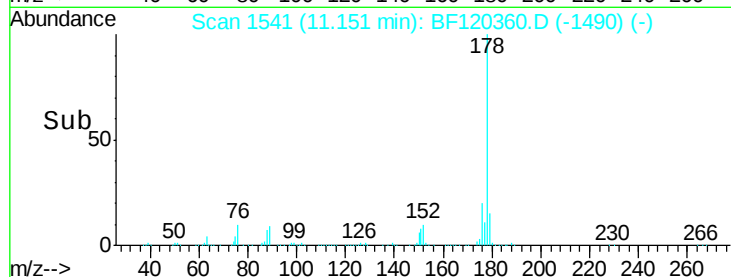
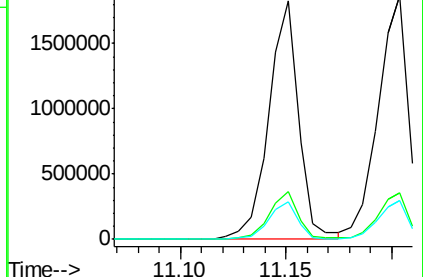
mohammad
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 48.70 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion:178 Resp: 1978332

Ion Ratio Lower Upper

178 100

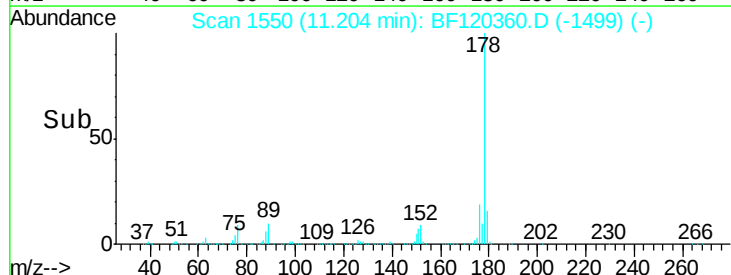
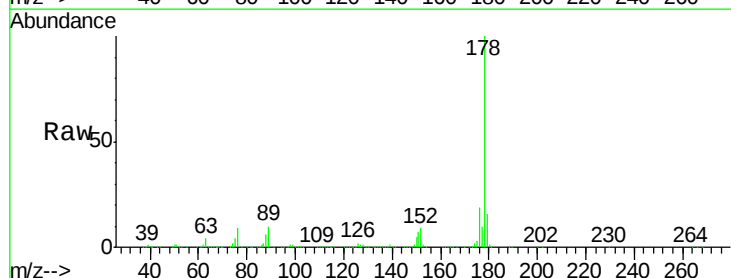
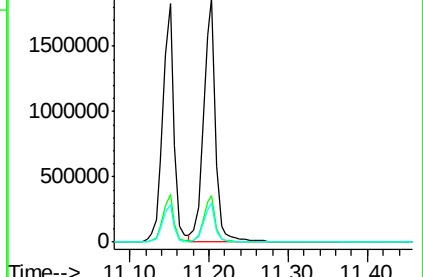
176 19.2 15.7 23.5

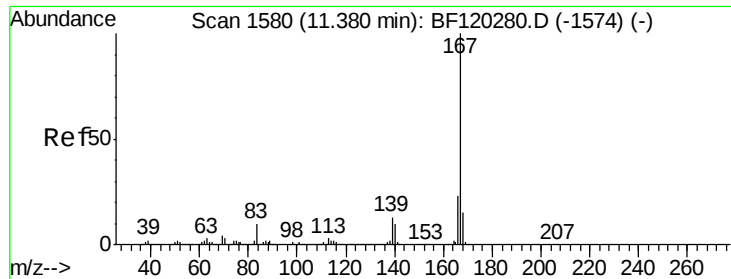
179 15.9 13.0 19.6

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 47.44 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

ClientSampleId :

PB128986BS

Tgt Ion:167 Resp: 1800745

Ion Ratio Lower Upper

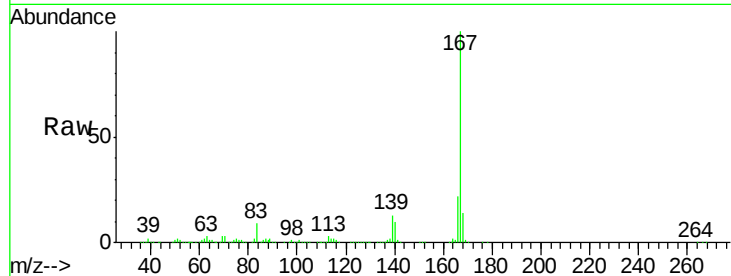
167 100

166 21.7 18.1 27.1

139 12.9 10.6 15.8

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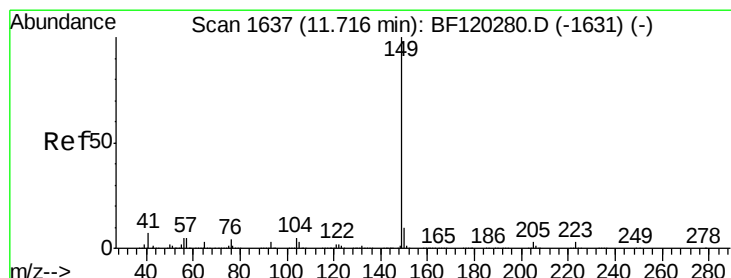
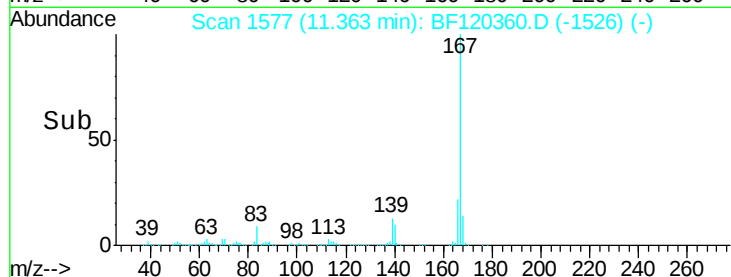
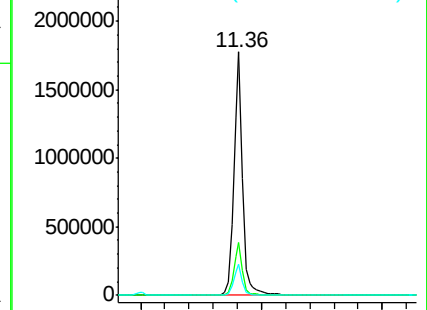
mohammad
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 49.66 ng

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

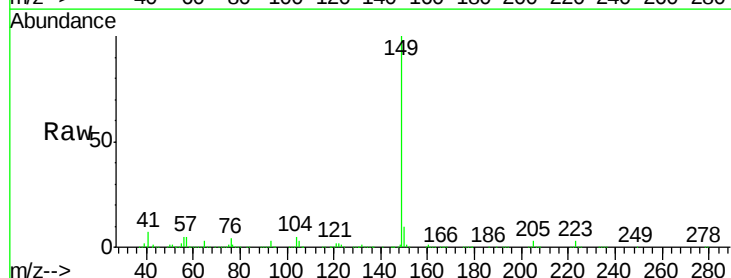
Tgt Ion:149 Resp: 2271962

Ion Ratio Lower Upper

149 100

150 9.8 8.2 12.4

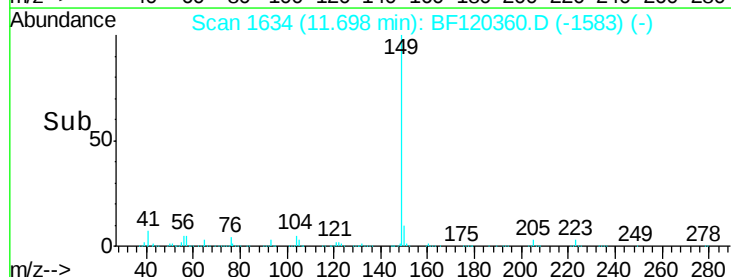
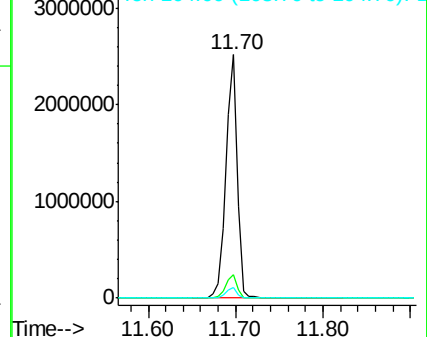
104 4.6 3.8 5.8

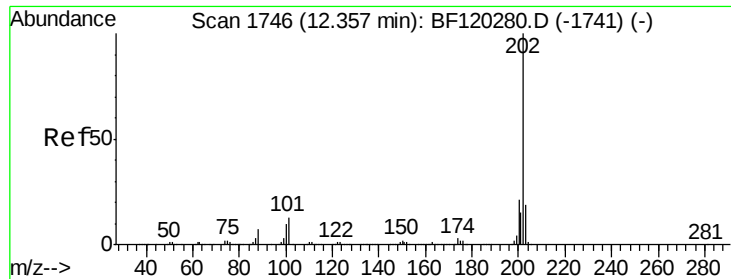


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 50.35 ng

RT: 12.34 min Scan# 1743

Delta R.T. 0.00 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

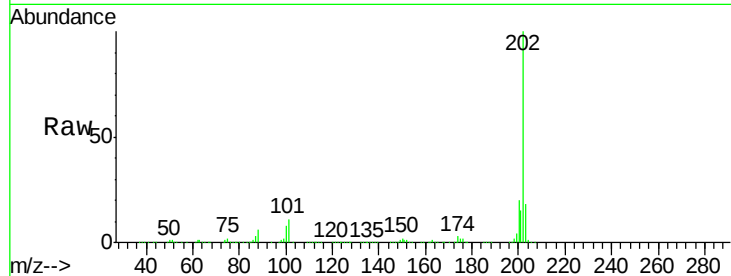
ClientSampleId :

PB128986BS

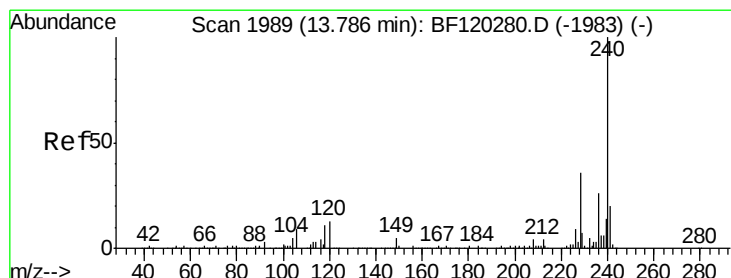
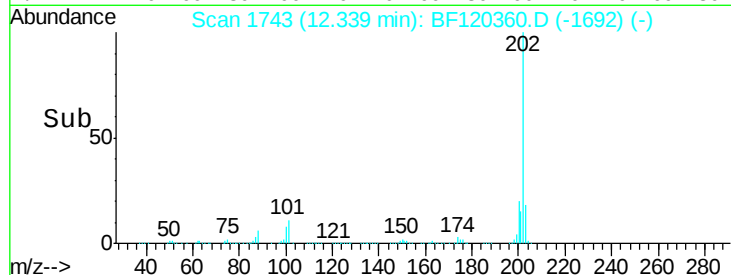
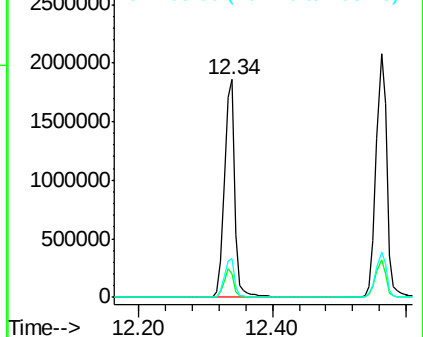
Tgt	Ion	202	Resp	2048058
Ion	Ratio	Lower	Upper	
202	100			
101	11.0	0.0	33.2	
203	17.9	0.0	39.1	

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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: 20.00 ng

RT: 13.77 min Scan# 1986

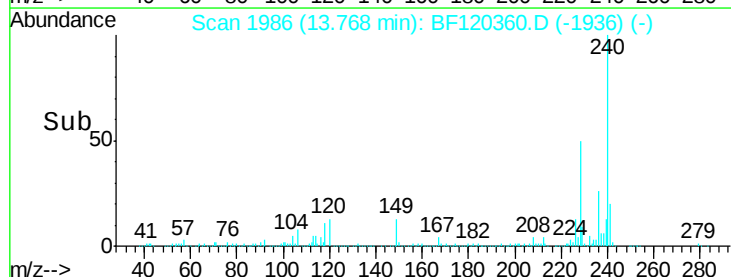
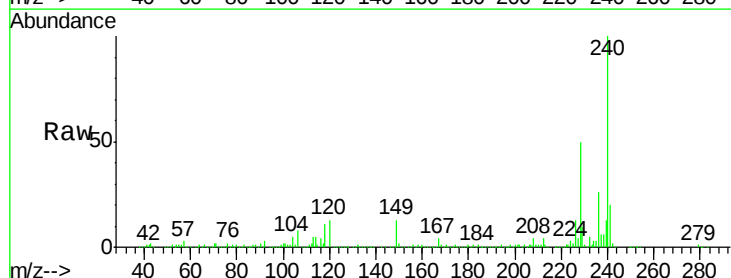
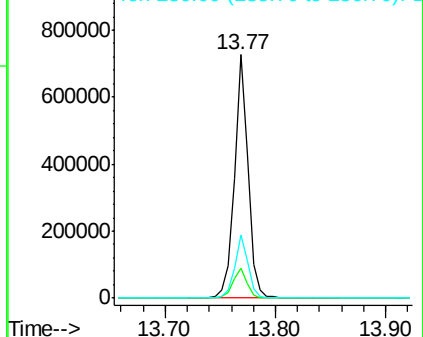
Delta R.T. -0.01 min

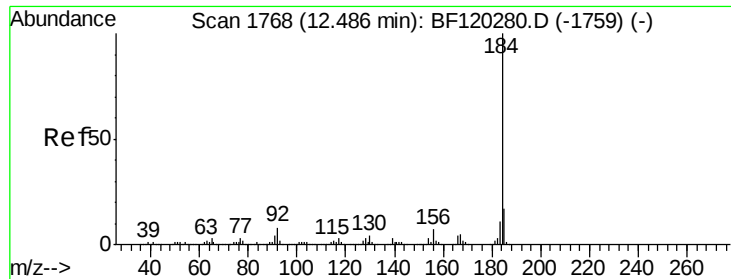
Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt	Ion	240	Resp	631696
Ion	Ratio	Lower	Upper	
240	100			
120	12.5	10.4	15.6	
236	25.9	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: 51.45 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

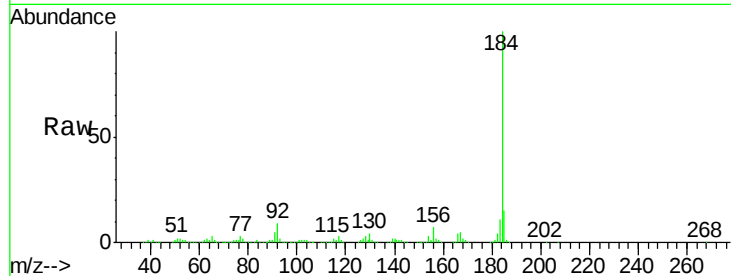
ClientSampleId :

PB128986BS

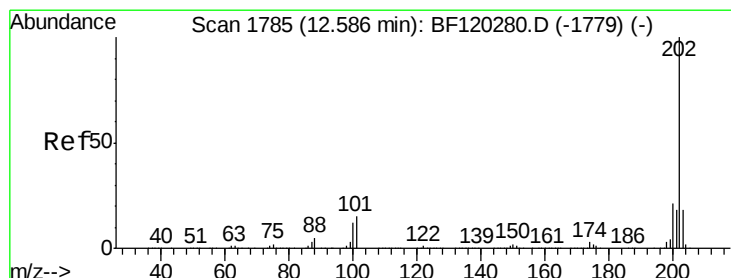
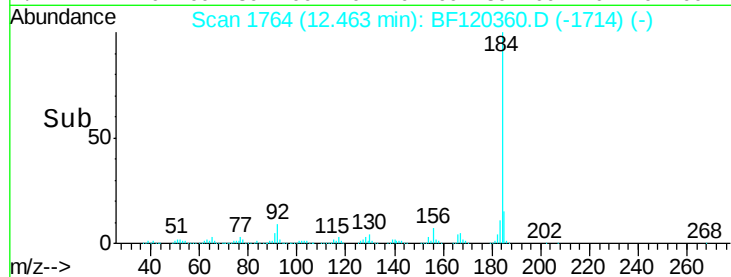
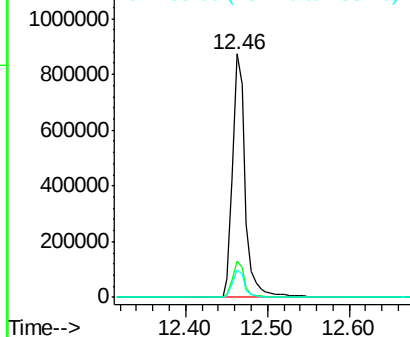
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	949141		
185	14.8	13.7	20.5	
183	11.2	8.7	13.1	

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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: 49.42 ng

RT: 12.56 min Scan# 1781

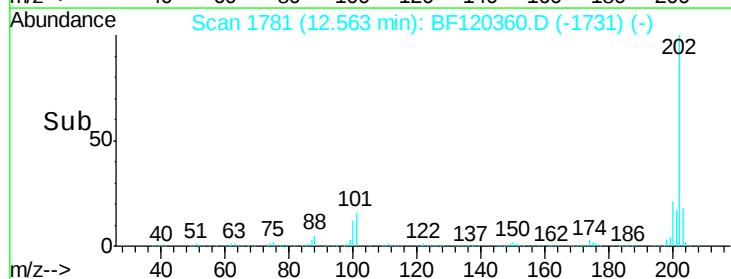
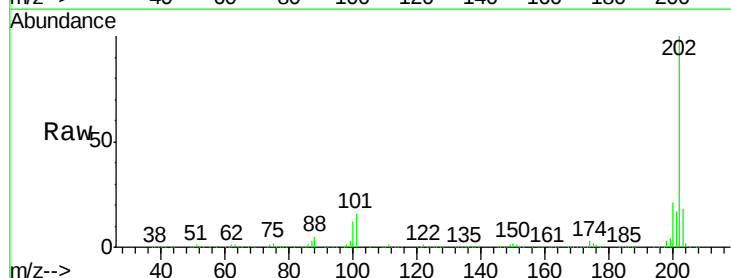
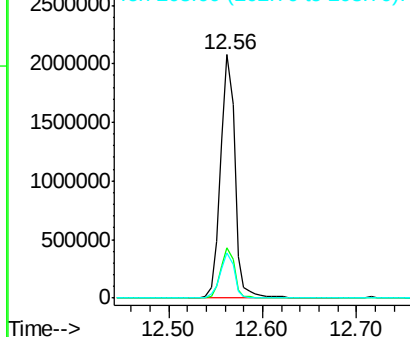
Delta R.T. -0.01 min

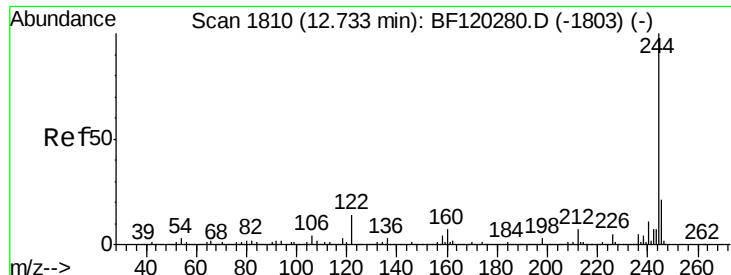
Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2225545		
200	20.7	16.6	25.0	
203	18.3	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





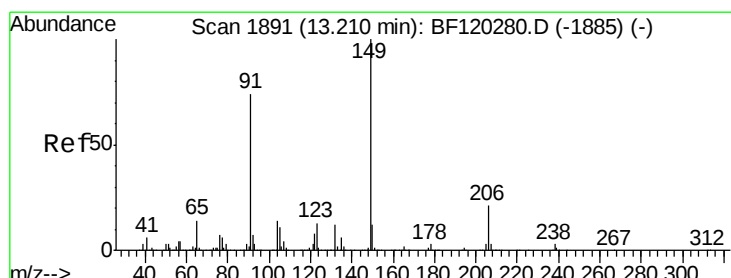
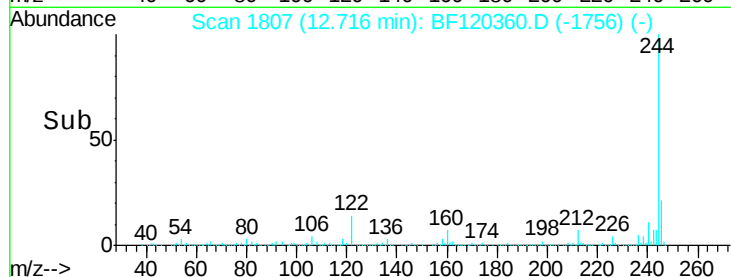
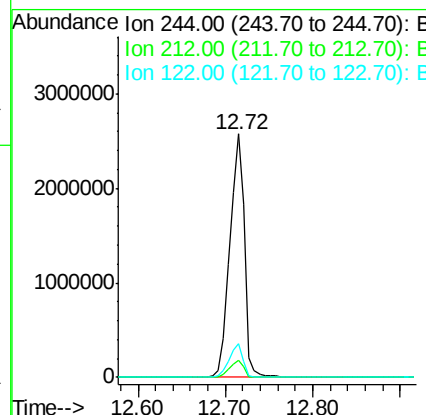
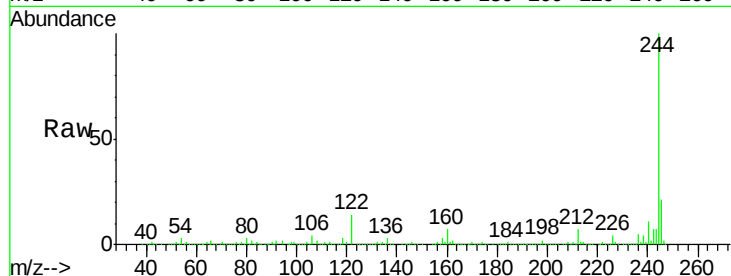
#79
 Terphenyl-d14
 Concen: 104.64 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	13.9	10.8	16.2

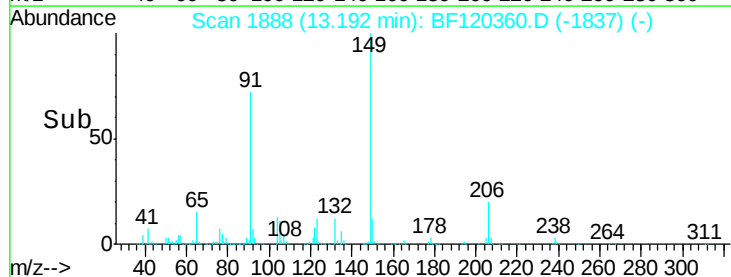
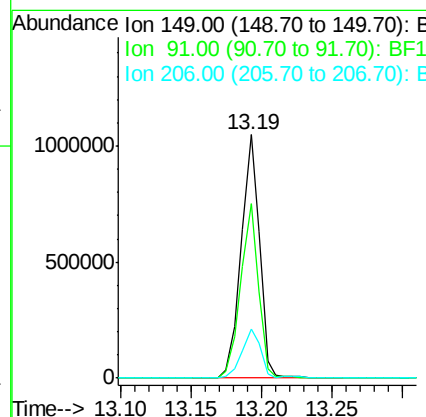
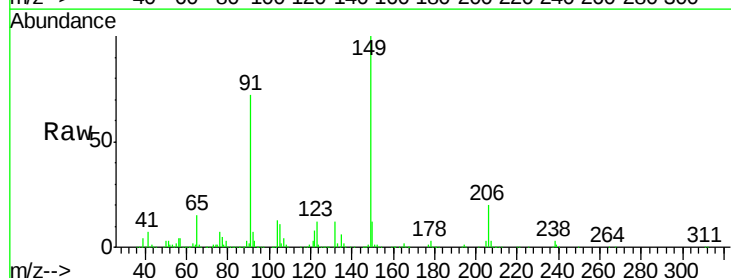
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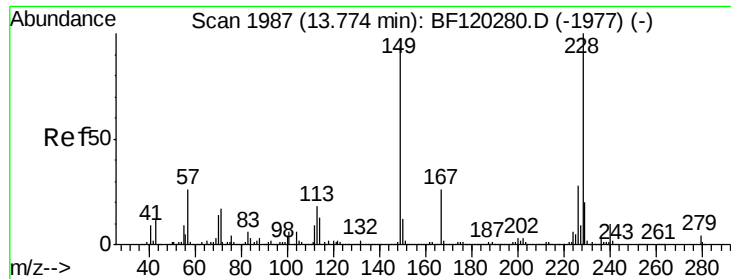
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#80
 Butylbenzylphthalate
 Concen: 44.91 ng
 RT: 13.19 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.8	59.0	88.4
206	20.2	16.8	25.2





#81

Benzo(a)anthracene

Concen: 46.79 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

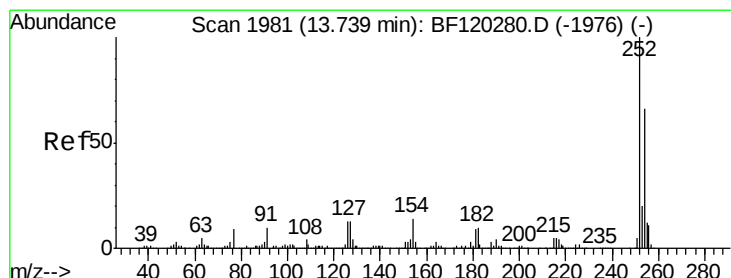
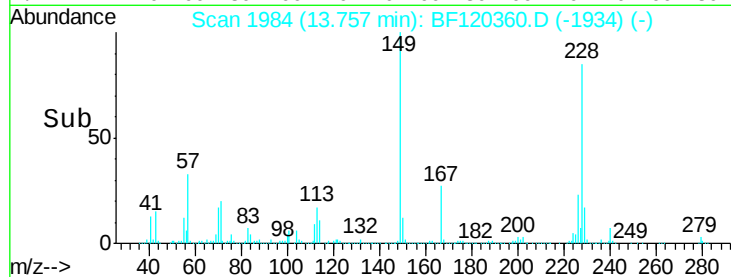
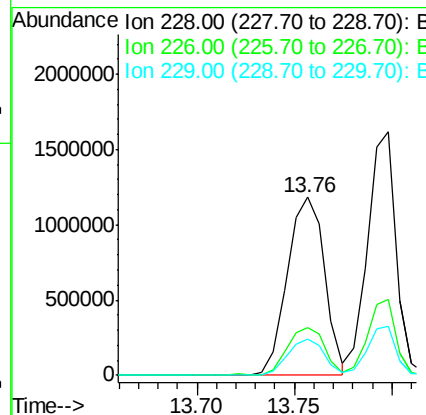
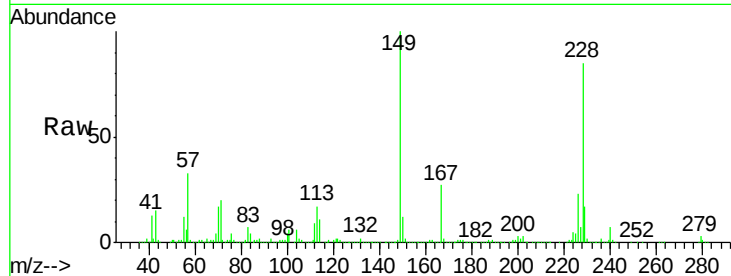
ClientSampleId :

PB128986BS

Tgt Ion:	228	Resp:	1558791
Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	20.1	16.4	24.6

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#82

3,3'-Dichlorobenzidine

Concen: 29.30 ng

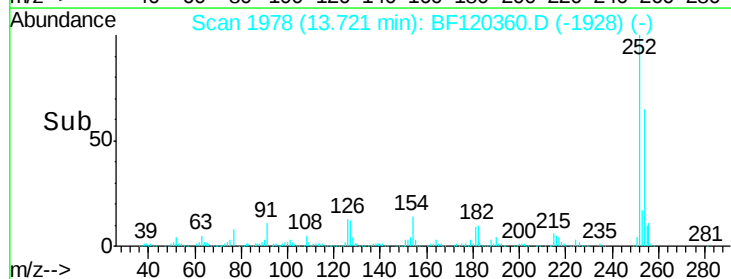
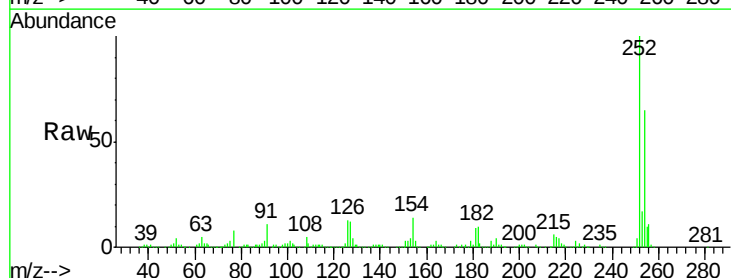
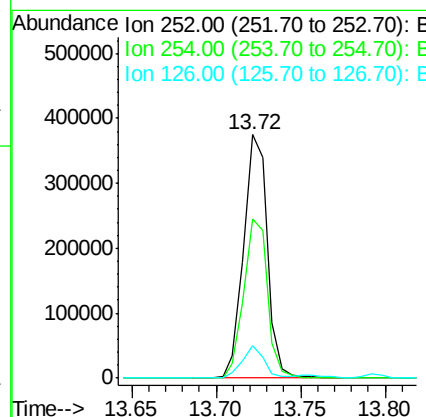
RT: 13.72 min Scan# 1978

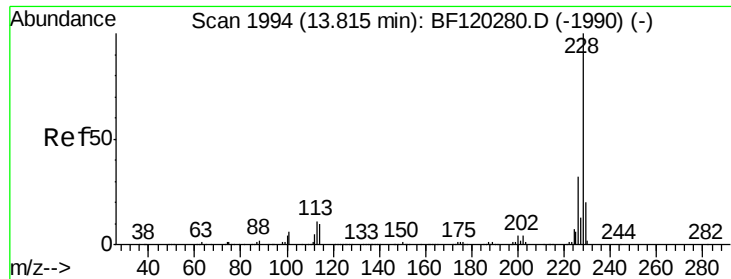
Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Tgt Ion:	252	Resp:	367866
Ion	Ratio	Lower	Upper
252	100		
254	65.4	52.6	78.8
126	13.2	10.7	16.1





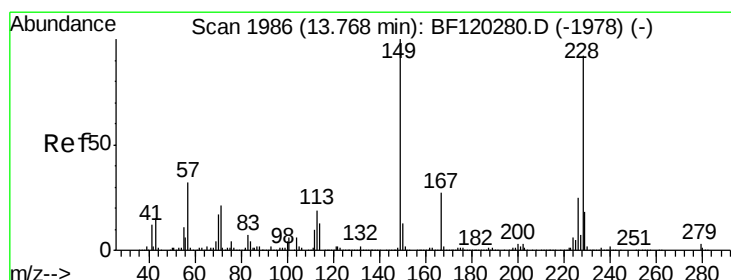
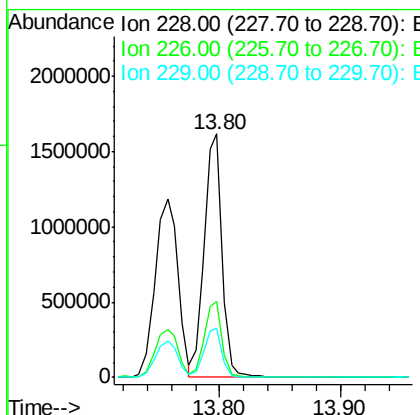
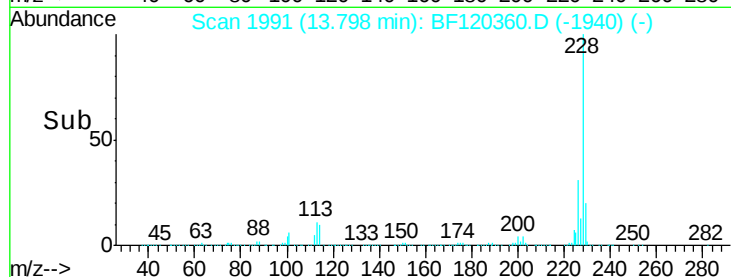
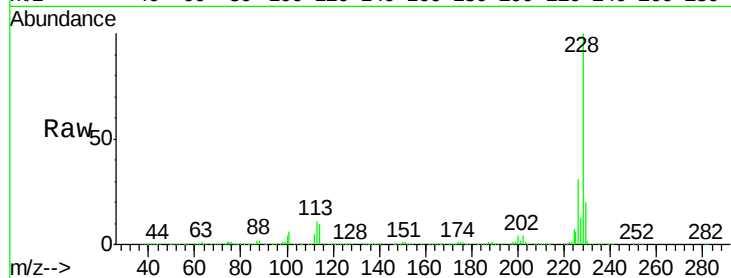
#83
Chrysene
Concen: 45.99 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion:228 Resp: 1645304
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 20.2 16.2 24.4

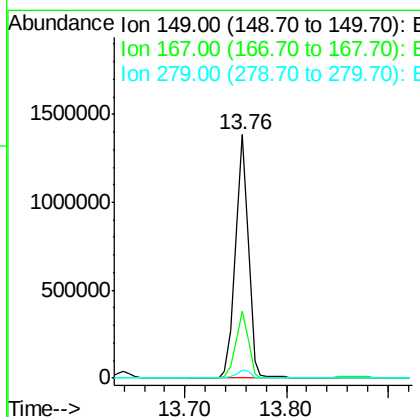
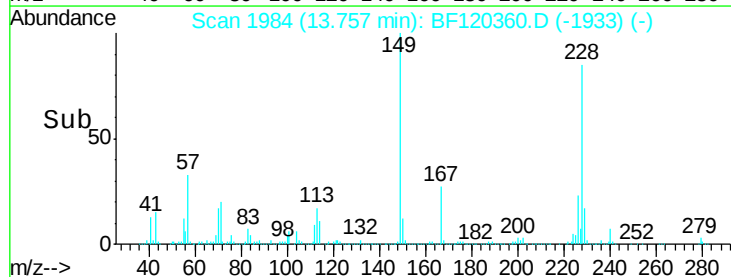
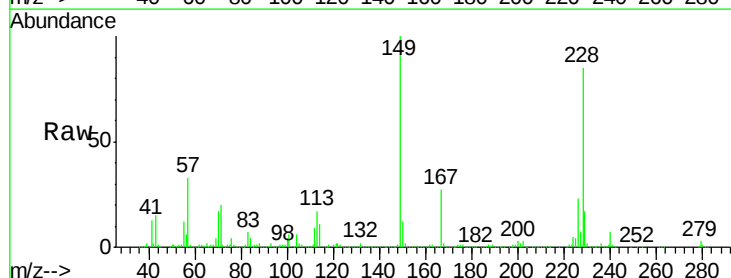
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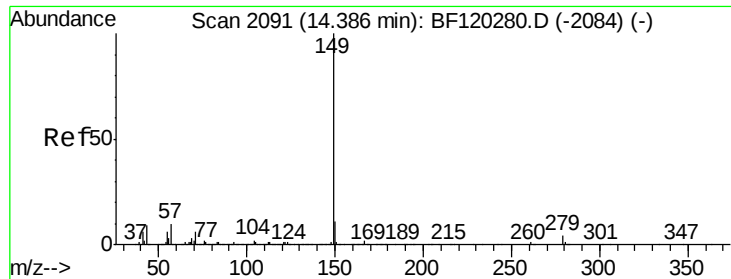
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#84
Bis(2-ethylhexyl)phthalate
Concen: 46.82 ng
RT: 13.76 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion:149 Resp: 1235178
Ion Ratio Lower Upper
149 100
167 27.4 21.8 32.8
279 3.5 2.8 4.2





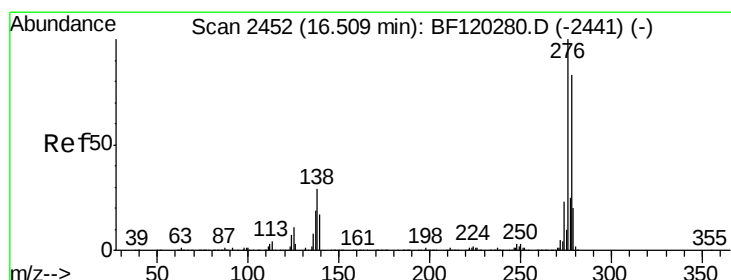
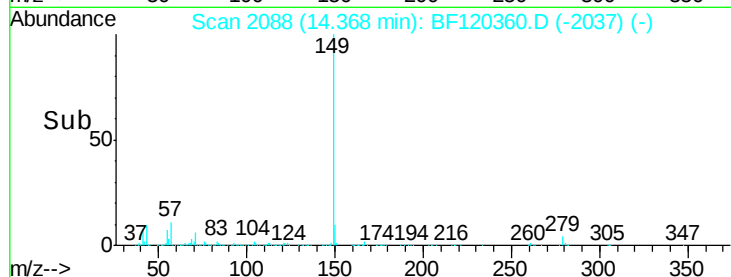
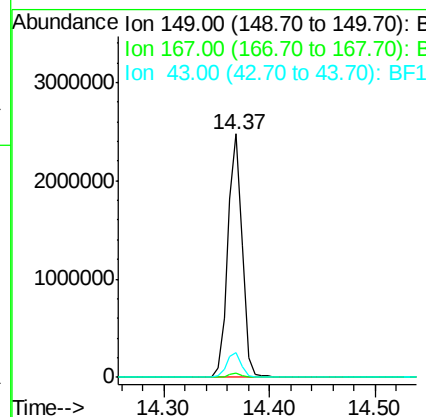
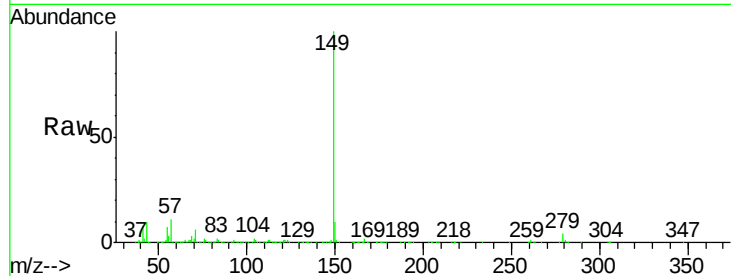
#85
Di-n-octyl phthalate
Concen: 49.39 ng
RT: 14.37 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion:149 Resp: 2344006
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 10.4 7.5 11.3

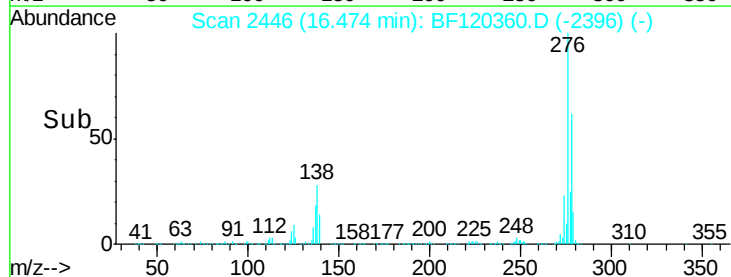
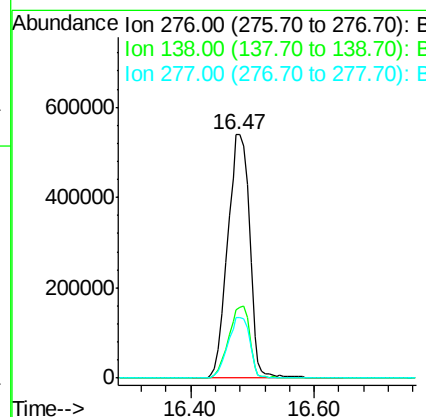
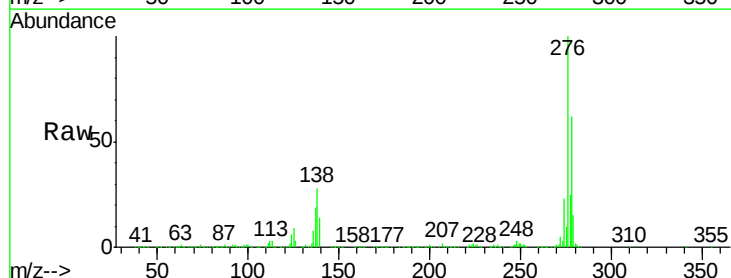
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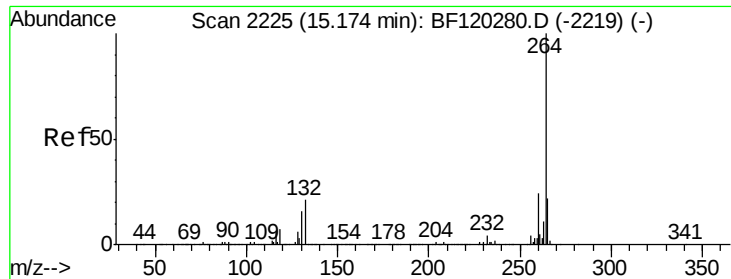
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#86
Indeno(1,2,3-cd)pyrene
Concen: 41.13 ng
RT: 16.47 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion:276 Resp: 1335511
Ion Ratio Lower Upper
276 100
138 28.6 23.3 34.9
277 24.8 20.2 30.4





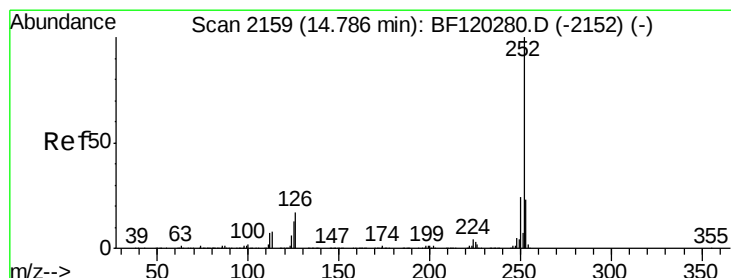
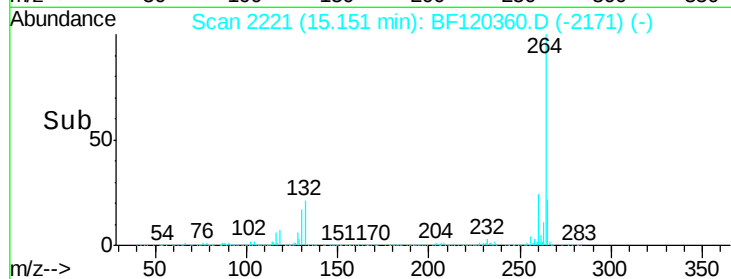
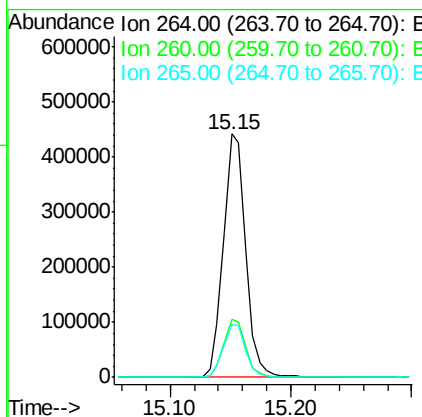
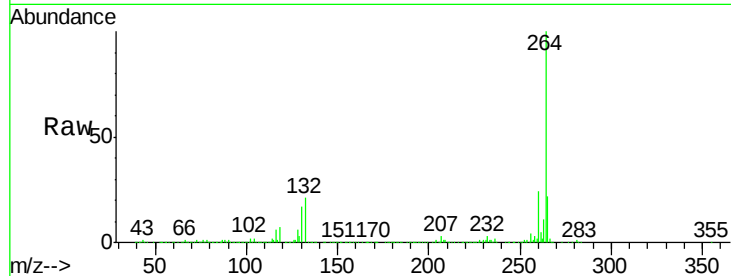
#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Instrument :
 BNA_F
 ClientSampleId :
 PB128986BS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	21.9	17.5	26.3

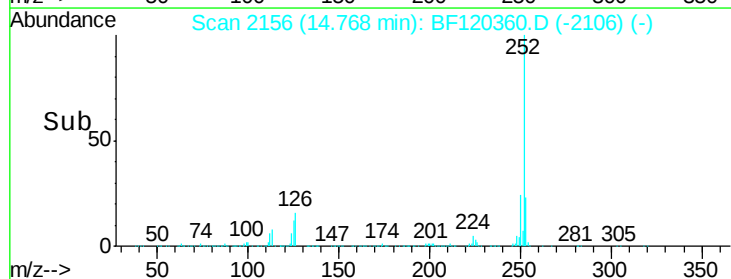
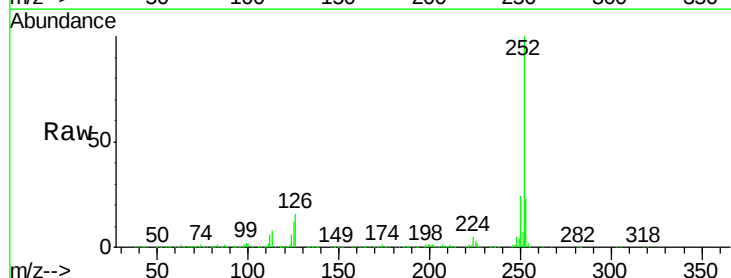
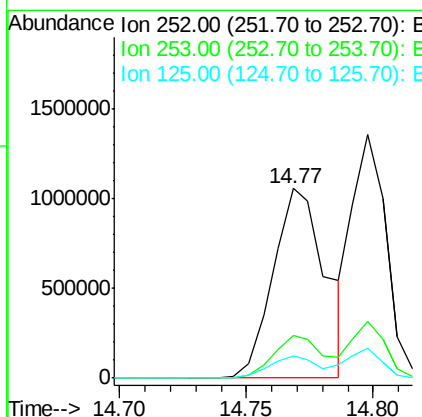
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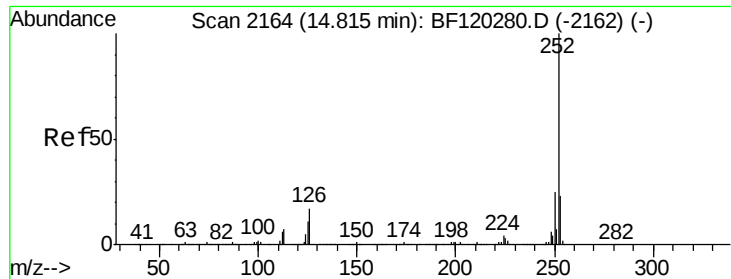
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#88
 Benzo(b)fluoranthene
 Concen: 49.32 ng
 RT: 14.77 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BF120360.D
 Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.9	10.4	15.6





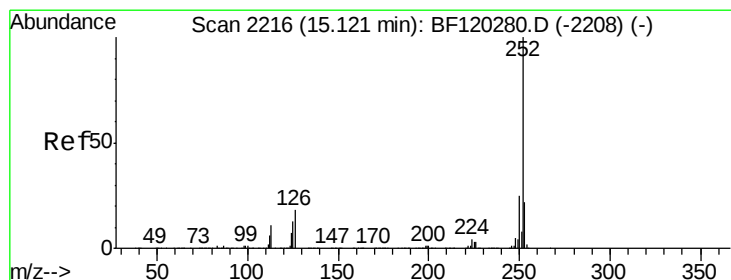
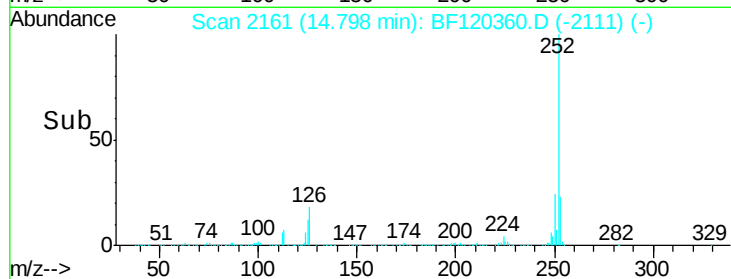
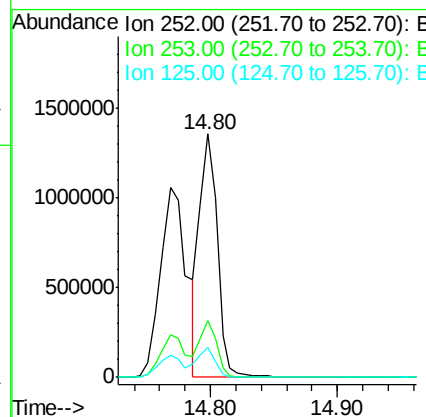
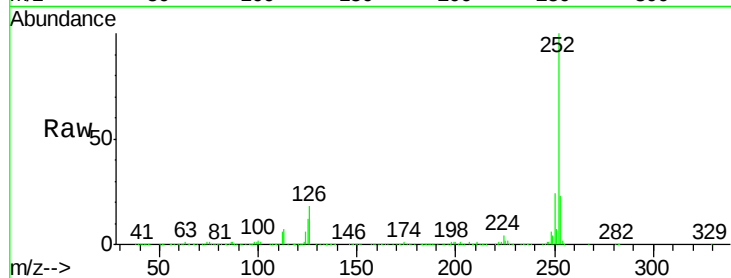
#89
Benzo(k)fluoranthene
Concen: 48.27 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Instrument :
BNA_F
ClientSampleId :
PB128986BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.4	9.9	14.9

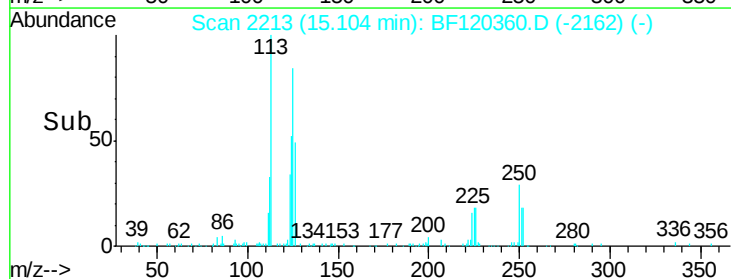
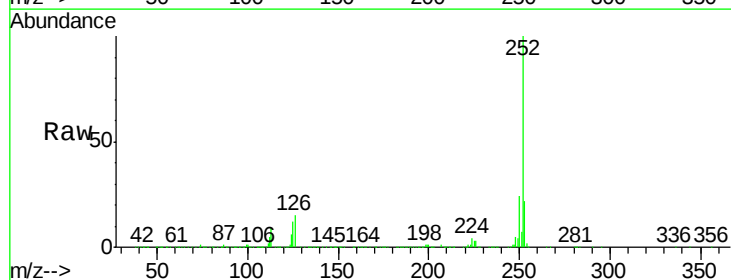
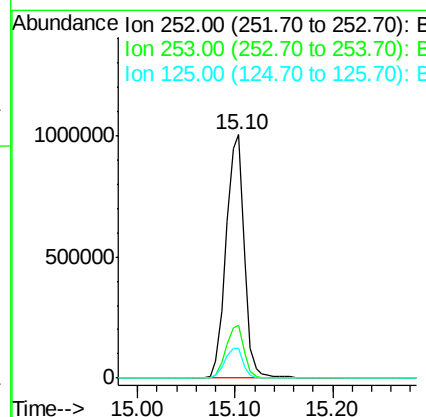
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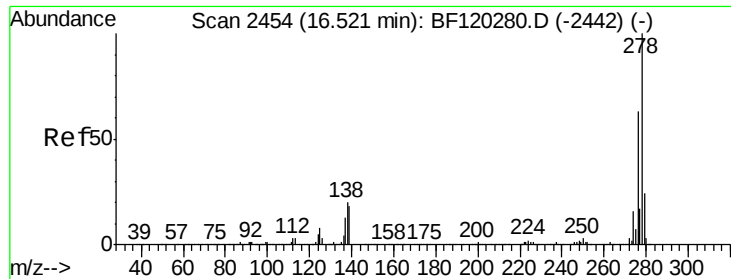
mohammad
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#90
Benzo(a)pyrene
Concen: 46.78 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.00 min
Lab File: BF120360.D
Acq: 19 May 2020 13:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	12.0	10.6	16.0





#91

Dibenzo(a,h)anthracene

Concen: 45.22 ng

RT: 16.49 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

Instrument :

BNA_F

ClientSampleId :

PB128986BS

Tgt Ion:278 Resp: 1108975

Ion Ratio Lower Upper

278 100

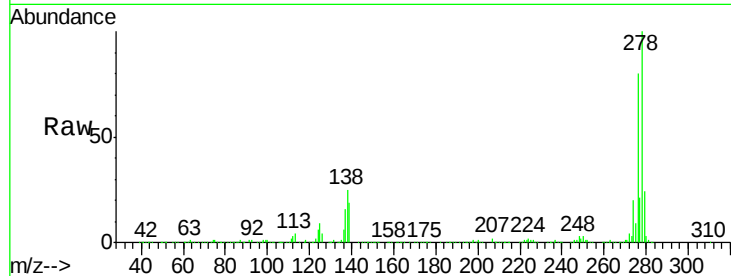
139 18.6 14.7 22.1

279 23.9 19.2 28.8

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mohammad

5/20/2020 1:20:29 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

16.49

800000

600000

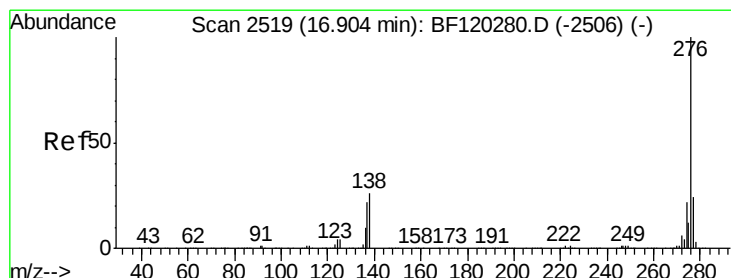
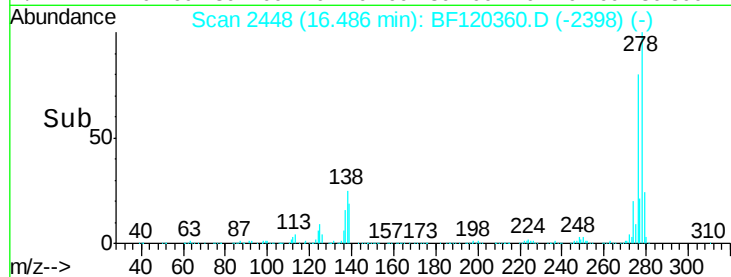
400000

200000

0

16.40 16.60

Time-->



#92

Benzo(g,h,i)perylene

Concen: 46.01 ng

RT: 16.87 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BF120360.D

Acq: 19 May 2020 13:34

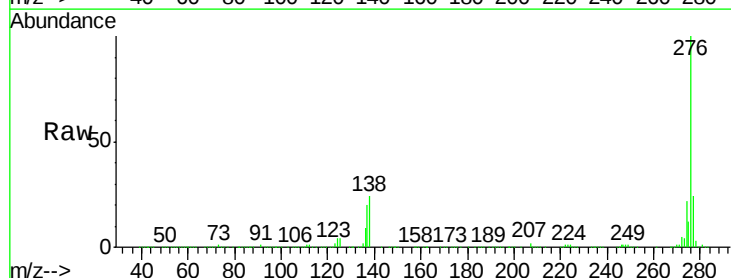
Tgt Ion:276 Resp: 1137682

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 23.7 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

16.87

600000

400000

200000

0

16.70 16.80 16.90 17.00

Time-->

