

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052519\
 Data File : BF114611.D
 Acq On : 25 May 2019 18:31
 Operator : JU/SJ
 Sample : PB119943BSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Manual Integrations
 APPROVED

mohammad
 5/27/2019 3:50:05 AM

Quant Time: May 27 00:47:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	180637	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	725880	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	356846	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	698230	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	469320	20.00	ng	-0.02
87) Perylene-d12	15.43	264	496637	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1197989	106.73	ng	0.00
7) Phenol-d6	6.45	99	1488529	112.12	ng	-0.01
23) Nitrobenzene-d5	7.37	82	1040077	80.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	376618	102.09	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1852445	78.52	ng	-0.02
79) Terphenyl-d14	12.91	244	1836767	80.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	173119	28.059	ng	99
3) Pyridine	3.36	79	449915	26.467	ng	100
4) n-Nitrosodimethylamine	3.30	42	242406	29.571	ng	97
6) Aniline	6.47	93	446900	23.303	ng	# 34
8) 2-Chlorophenol	6.59	128	454651	37.941	ng	97
9) Benzaldehyde	6.35	77	224049	24.106	ng	98
10) Phenol	6.46	94	557174	35.676	ng	83
11) bis(2-Chloroethyl)ether	6.54	93	428306	36.124	ng	97
12) 1,3-Dichlorobenzene	6.74	146	470008	34.942	ng	98
13) 1,4-Dichlorobenzene	6.82	146	478804	35.324	ng	99
14) 1,2-Dichlorobenzene	6.97	146	442575	35.739	ng	98
15) Benzyl Alcohol	6.95	79	361906	34.952	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.07	45	774790	33.702	ng	51
17) 2-Methylphenol	7.07	107	358688	36.439	ng	# 91
18) Hexachloroethane	7.31	117	177616	34.910	ng	96
19) n-Nitroso-di-n-propylamine	7.22	70	312935	37.188	ng	99
20) 3+4-Methylphenols	7.22	107	473619	41.644	ng	# 72
22) Acetophenone	7.21	105	610545	37.968	ng	# 89
24) Nitrobenzene	7.39	77	474215	35.997	ng	99
25) Isophorone	7.63	82	871425	36.327	ng	99
26) 2-Nitrophenol	7.70	139	245732	38.447	ng	96
27) 2,4-Dimethylphenol	7.75	122	399728	39.820	ng	97
28) bis(2-Chloroethoxy)methane	7.83	93	551439	35.429	ng	99
29) 2,4-Dichlorophenol	7.95	162	383745	38.391	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	401343	35.309	ng	99
31) Naphthalene	8.10	128	1287124	37.960	ng	98
32) Benzoic acid	7.90	122	236296m	35.205	ng	
33) 4-Chloroaniline	8.16	127	304663	19.718	ng	97
34) Hexachlorobutadiene	8.22	225	221899	34.311	ng	99
35) Caprolactam	8.53	113	127359m	39.075	ng	
36) 4-Chloro-3-methylphenol	8.66	107	401526	39.907	ng	100
37) 2-Methylnaphthalene	8.80	142	870880	39.809	ng	98
38) 1-Methylnaphthalene	8.90	142	823225	39.959	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	396472	36.678	ng	99

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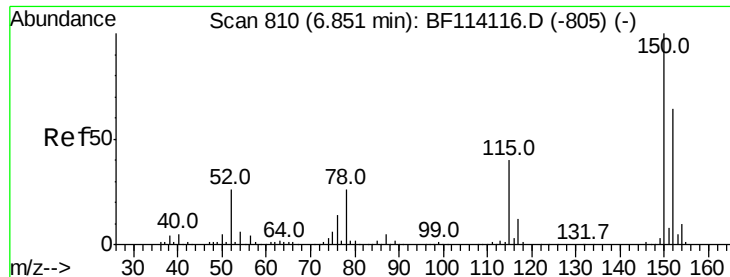
Manual Integrations
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mohammad
 5/27/2019 3:50:05 AM

Quant Time: May 27 00:47:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	191866	40.364	nq	98
43) 2,4,6-Trichlorophenol	9.09	196	251305	33.799	nq	97
44) 2,4,5-Trichlorophenol	9.13	196	254961	33.437	nq	96
46) 1,1'-Biphenyl	9.26	154	1073897	37.251	nq	97
47) 2-Chloronaphthalene	9.29	162	809447	34.889	nq	98
48) 2-Nitroaniline	9.39	65	274947	33.416	nq	95
49) Acenaphthylene	9.70	152	1270637	36.009	nq	98
50) Dimethylphthalate	9.56	163	924486	35.291	nq	99
51) 2,6-Dinitrotoluene	9.63	165	208611	35.904	nq	88
52) Acenaphthene	9.87	154	751992	34.728	nq	100
53) 3-Nitroaniline	9.80	138	157546	21.844	nq	97
54) 2,4-Dinitrophenol	9.93	184	176433	62.043	nq	93
55) Dibenzofuran	10.05	168	1085591	34.190	nq	100
56) 4-Nitrophenol	9.99	139	210461	41.262	nq	95
57) 2,4-Dinitrotoluene	10.05	165	258457	32.773	nq	# 80
58) Fluorene	10.39	166	902421	36.795	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	220319	33.487	nq	99
60) Diethylphthalate	10.26	149	940446	35.333	nq	97
61) 4-Chlorophenyl-phenylether	10.37	204	431177	35.795	nq	96
62) 4-Nitroaniline	10.42	138	221600	29.239	nq	97
63) Azobenzene	10.54	77	899748	34.923	nq	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	120936	36.046	nq	97
66) n-Nitrosodiphenylamine	10.50	169	799013	37.705	nq	98
67) 4-Bromophenyl-phenylether	10.86	248	271288	35.288	nq	97
68) Hexachlorobenzene	10.94	284	289503	34.040	nq	95
69) Atrazine	11.03	200	233656	35.431	nq	99
70) Pentachlorophenol	11.14	266	183646	45.551	nq	97
71) Phenanthrene	11.35	178	1247899	36.736	nq	99
72) Anthracene	11.40	178	1296694	38.004	nq	99
73) Carbazole	11.56	167	1213027	37.282	nq	99
74) Di-n-butylphthalate	11.88	149	1409351	37.598	nq	100
75) Fluoranthene	12.54	202	1327259	36.283	nq	98
77) Benzidine	12.66	184	651605	30.930	nq	97
78) Pyrene	12.77	202	1329080	35.203	nq	100
80) Butylbenzylphthalate	13.37	149	602628	37.922	nq	98
81) Benzo(a)anthracene	13.96	228	1094696	36.063	nq	100
82) 3,3'-Dichlorobenzidine	13.92	252	325236	27.619	nq	98
83) Chrysene	14.00	228	1073098	36.062	nq	99
84) Bis(2-ethylhexyl)phthalate	13.93	149	791708	38.093	nq	99
85) Di-n-octyl phthalate	14.54	149	1333802	39.589	nq	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	1049758	39.917	nq	99
88) Benzo(b)fluoranthene	15.01	252	1153378	36.250	nq	98
89) Benzo(k)fluoranthene	15.03	252	1025901	35.101	nq	100
90) Benzo(a)pyrene	15.37	252	1062980	37.961	nq	99
91) Dibenzo(a,h)anthracene	16.89	278	874522	37.584	nq	99
92) Benzo(g,h,i)perylene	17.33	276	890868	38.205	nq	98

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



#1

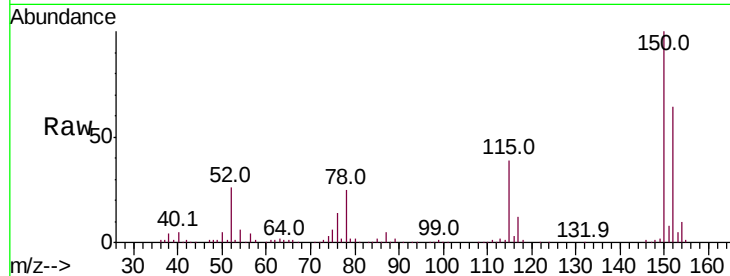
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	61.6	49.1	73.7

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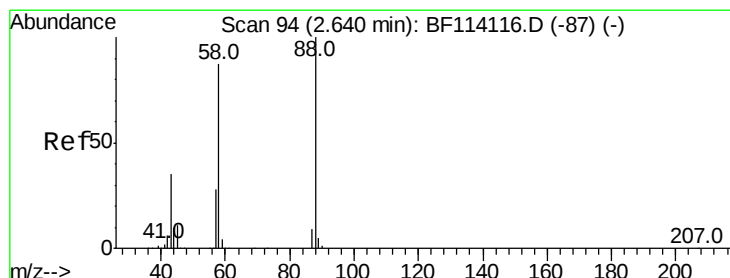
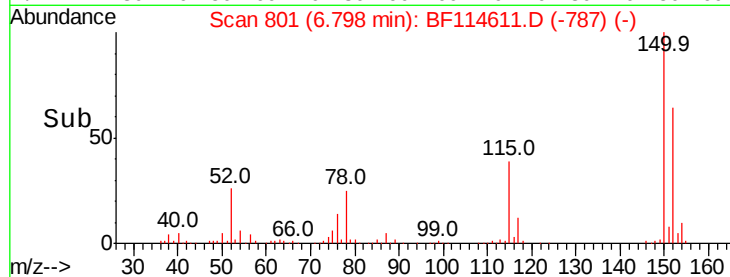
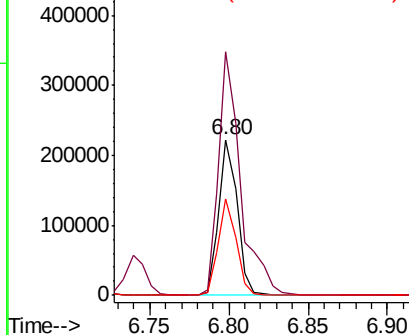


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

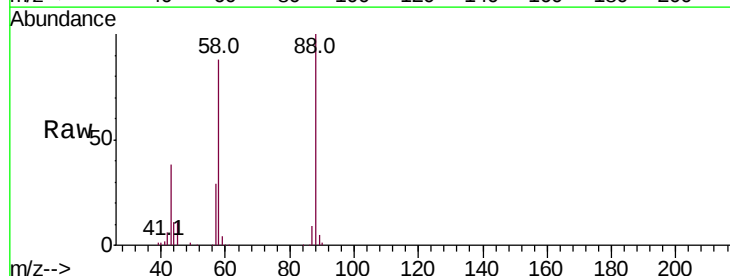
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 28.059 ng
RT: 2.60 min Scan# 88
Delta R.T. 0.05 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.4	68.7	103.1
43	33.8	28.2	42.2

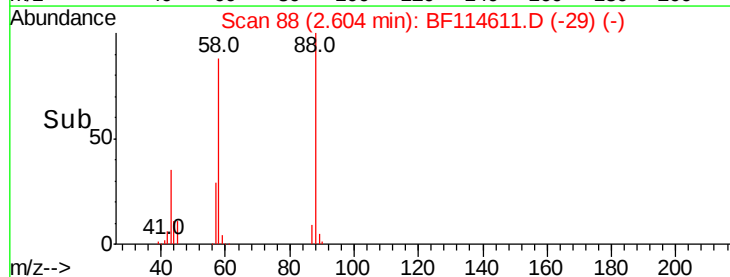
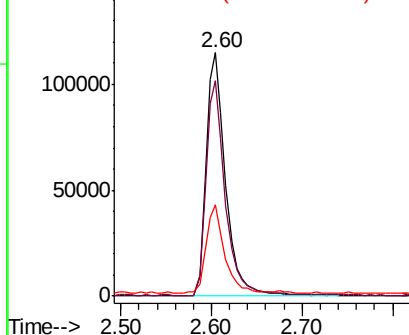


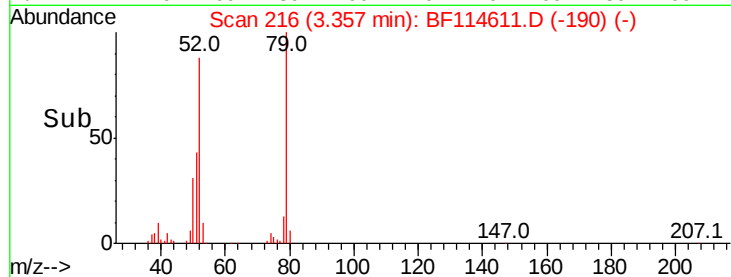
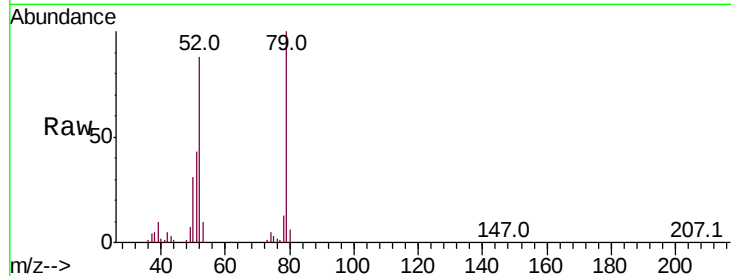
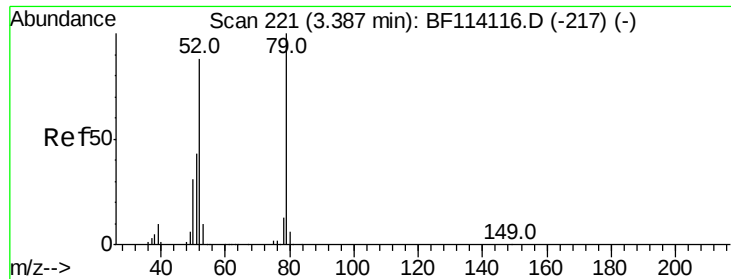
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





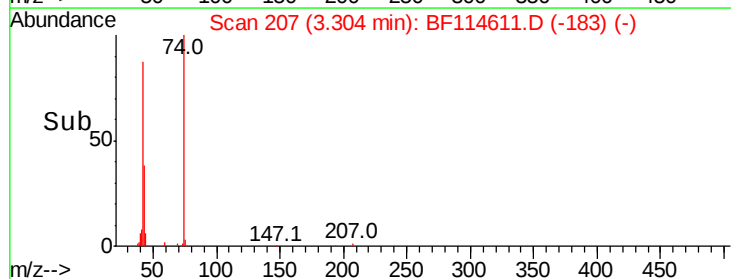
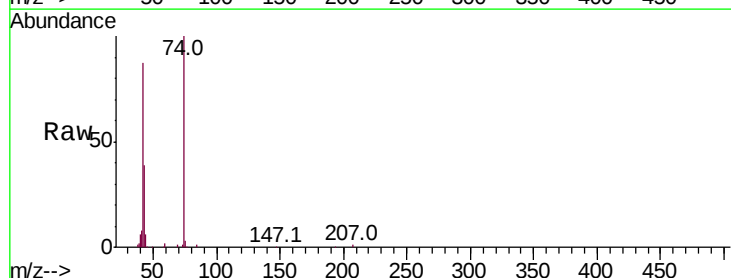
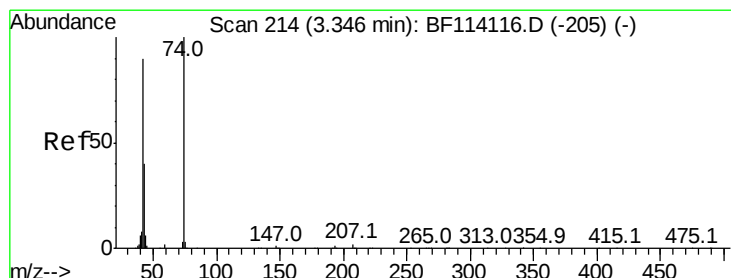
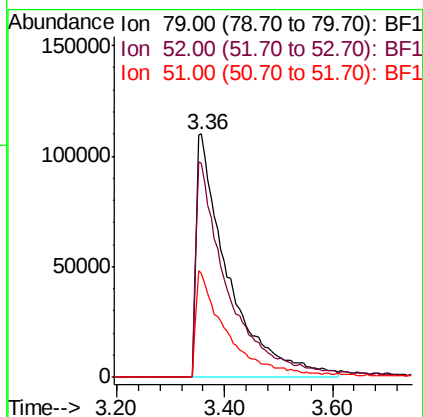
#3
Pvridine
Concen: 26.467 ng
RT: 3.36 min Scan# 216
Delta R.T. 0.05 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		449915		
52	87.8	70.6	105.8		
51	42.7	34.2	51.2		

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

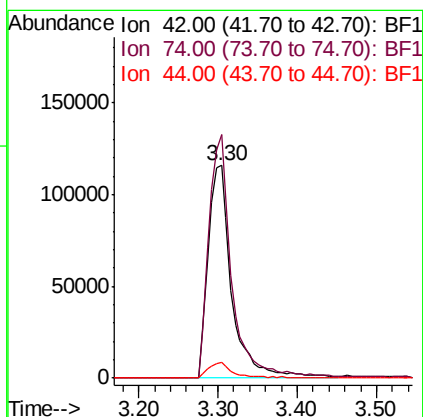
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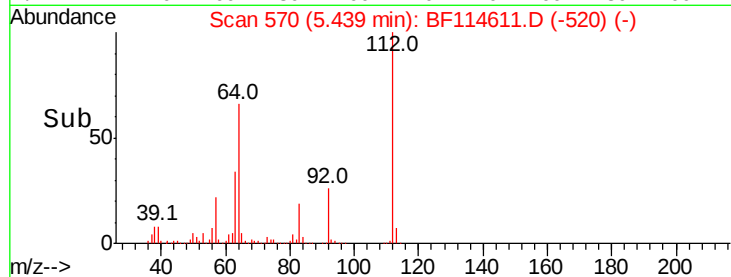
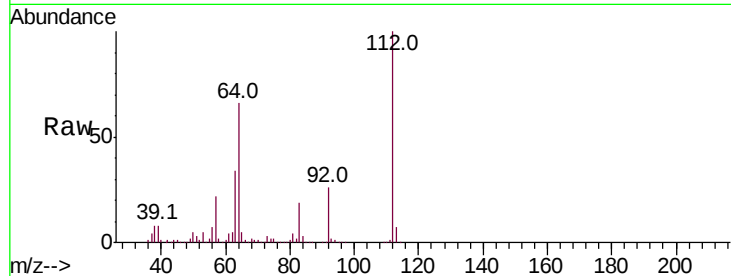
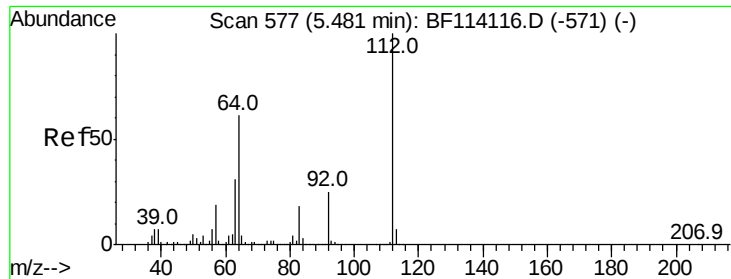
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#4
n-Nitrosodimethylamine
Concen: 29.571 ng
RT: 3.30 min Scan# 207
Delta R.T. 0.04 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		242406		
74	114.5	88.6	132.8		
44	7.2	5.5	8.3		





#5

2-Fluorophenol

Concen: 106.727 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

ClientSampleId :

PB119943BSD

Tot Ion:112 Resp: 1197989

Ion Ratio Lower Upper

112 100

64 65.6 49.0 73.6

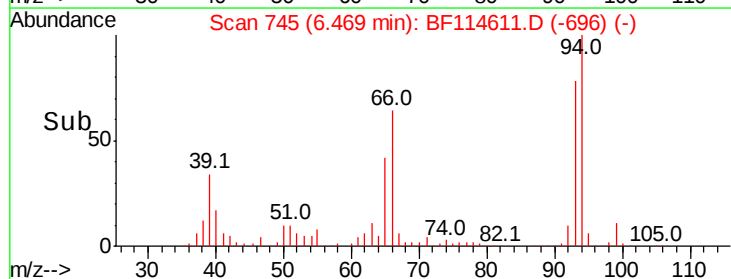
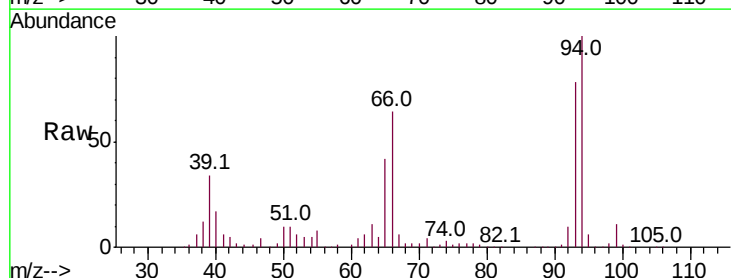
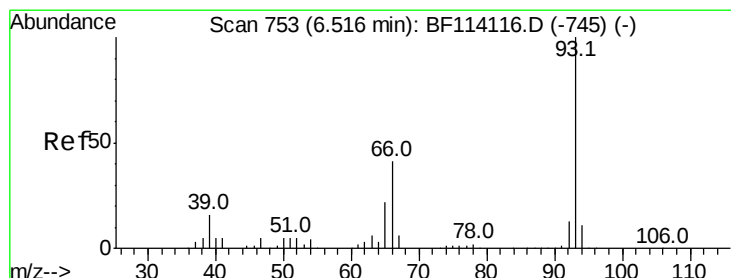
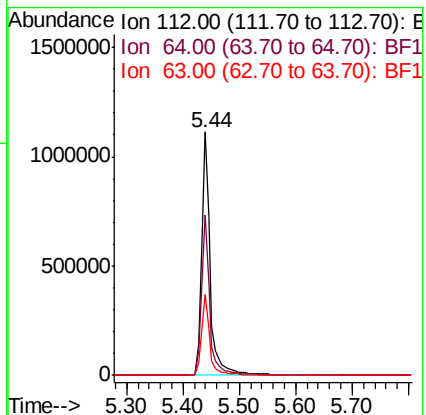
63 33.5 24.6 37.0

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#6

Aniline

Concen: 23.303 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

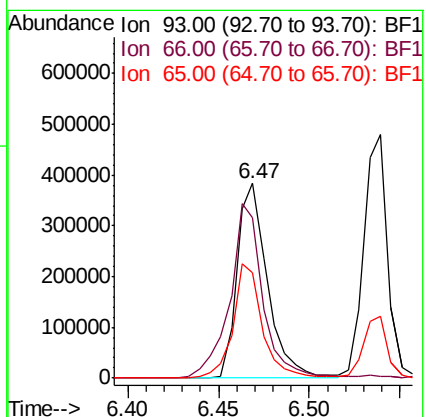
Tgt Ion: 93 Resp: 446900

Ion Ratio Lower Upper

93 100

66 82.7 33.2 49.8#

65 54.2 17.6 26.4#





#7

Phenol-d6

Concen: 112.122 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

ClientSampleId :

PB119943BSD

Tot Ion: 99 Resp: 1488529

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

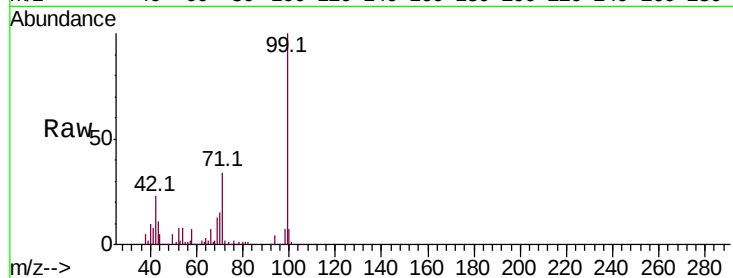
71 34.5 26.2 39.2

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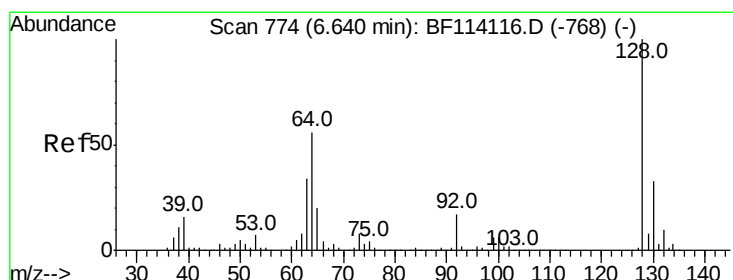
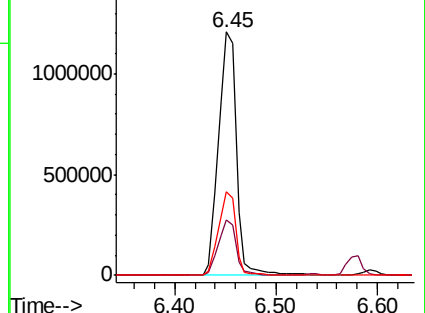
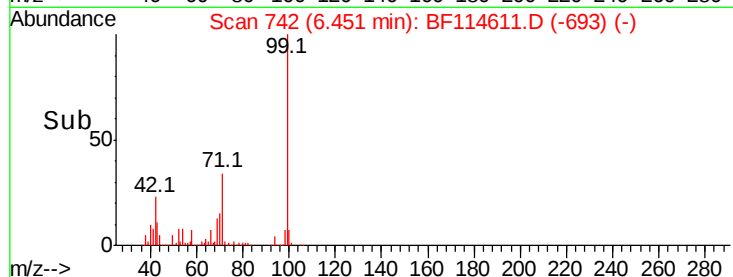
5/27/2019 3:50:05 AM



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: 37.941 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

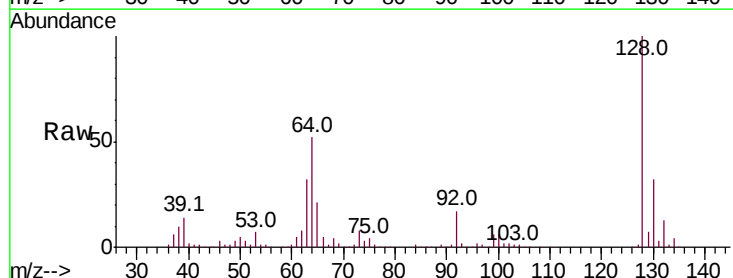
Tgt Ion:128 Resp: 454651

Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

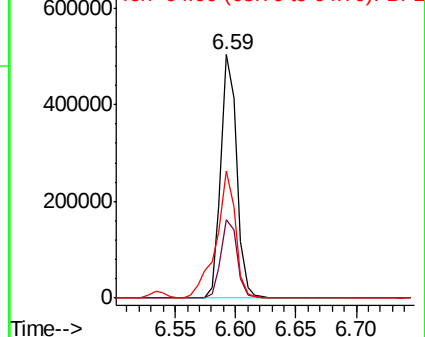
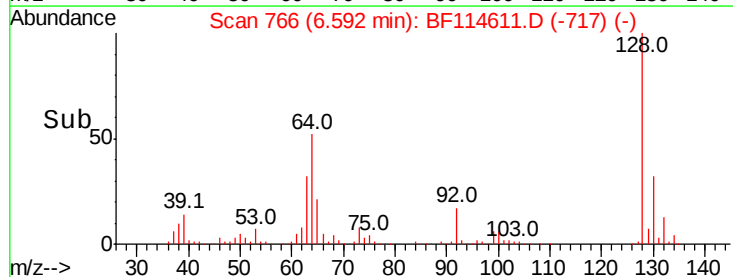
64 52.3 35.9 75.9

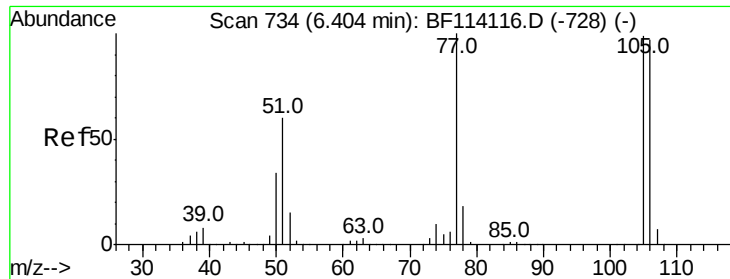


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





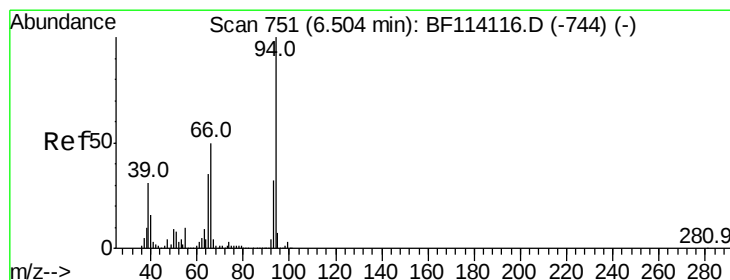
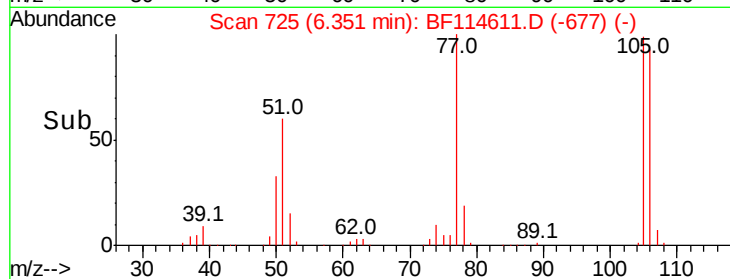
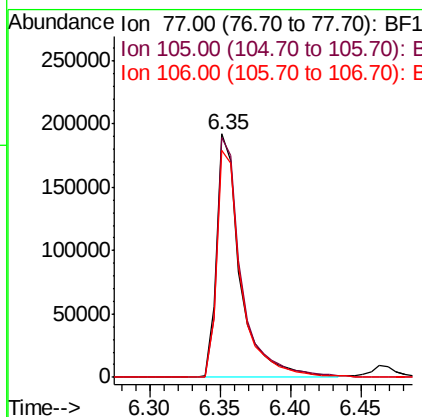
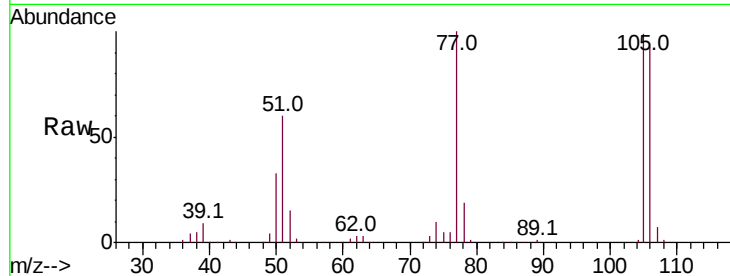
#9
Benzaldehyde
Concen: 24.106 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.7	79.3	119.3
106	93.5	77.0	117.0

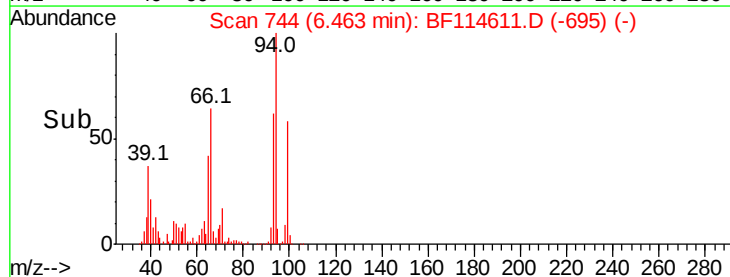
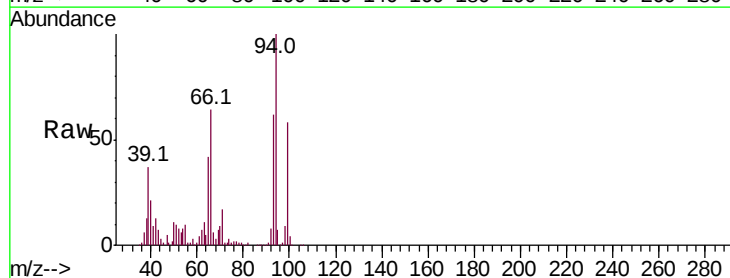
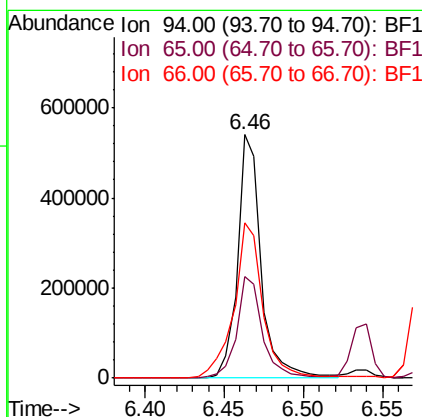
Manual Integrations
APPROVED

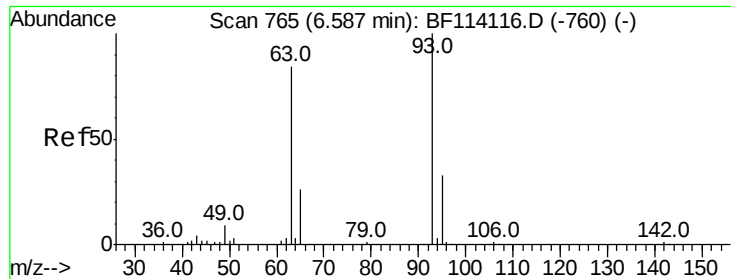
mohammad
5/27/2019 3:50:05 AM



#10
Phenol
Concen: 35.676 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
94	100		
65	41.6	14.7	54.7
66	63.5	29.6	69.6





#11

bis(2-Chloroethyl)ether

Concen: 36.124 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

ClientSampleId :

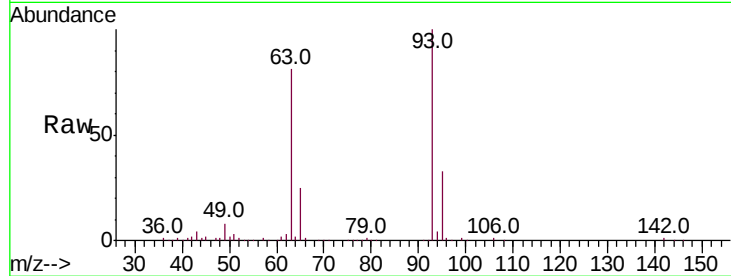
PB119943BSD

Tot Ion: 93 Resp: 428306

Ion	Ratio	Lower	Upper
93	100		
63	80.6	63.6	103.6
95	32.6	13.1	53.1

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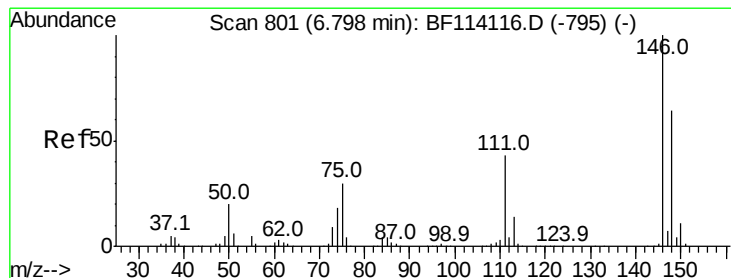
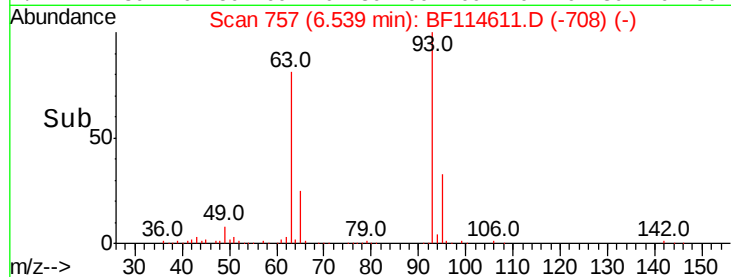
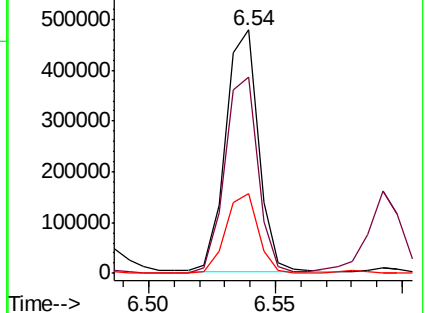
mohammad
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Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 34.942 ng

RT: 6.74 min Scan# 791

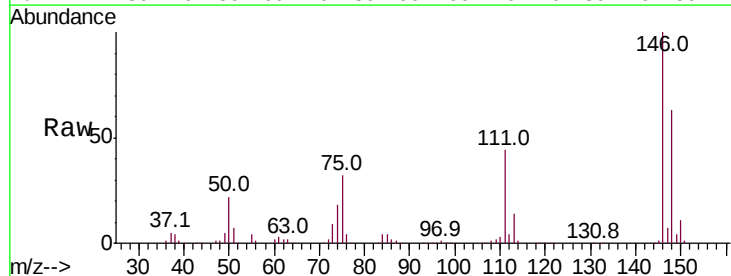
Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion: 146 Resp: 470008

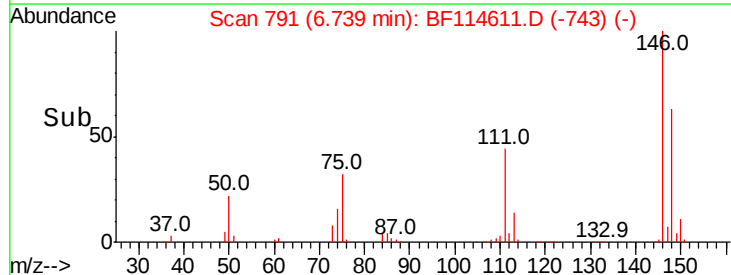
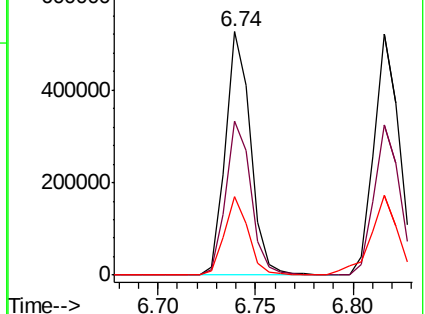
Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.6	77.4
75	32.2	24.2	36.2

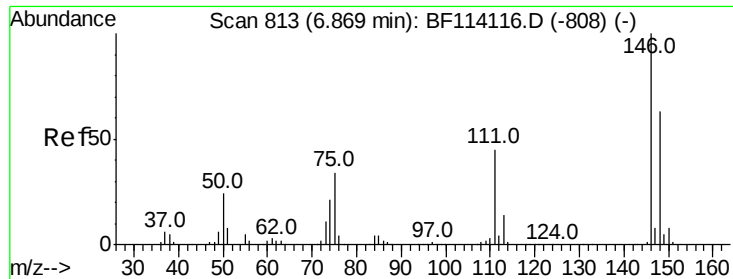


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





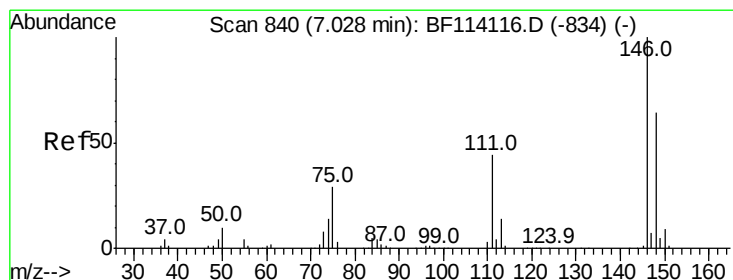
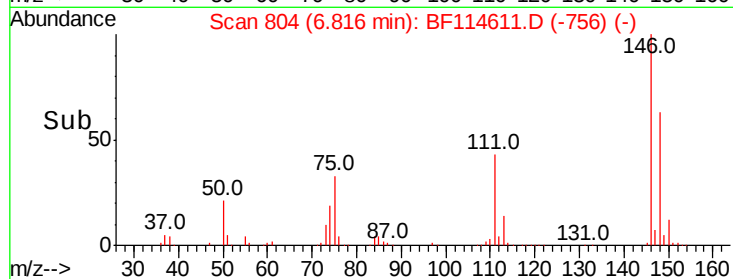
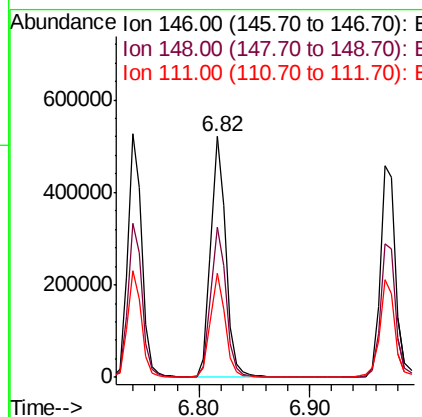
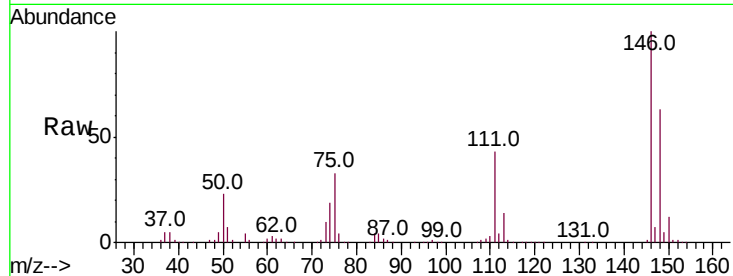
#13
 1,4-Dichlorobenzene
 Concen: 35.324 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.2	75.2
111	43.1	35.8	53.6

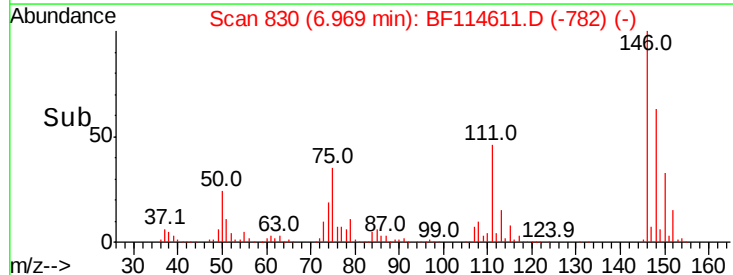
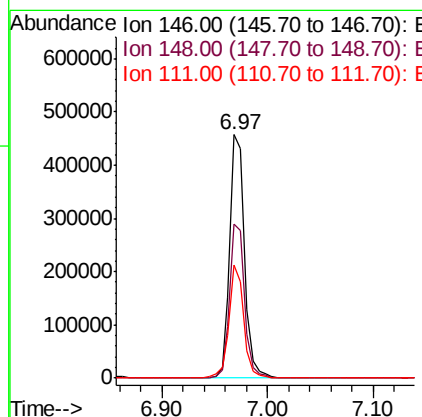
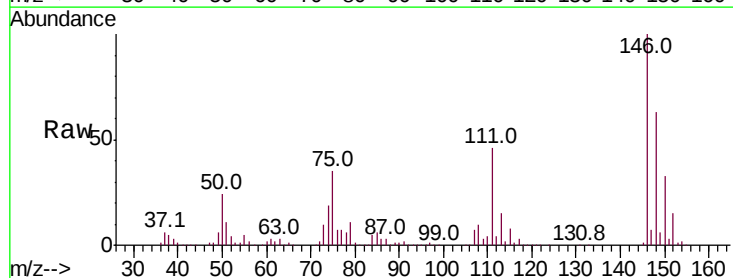
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#14
 1,2-Dichlorobenzene
 Concen: 35.739 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.02 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	46.4	35.3	52.9





#15

Benzyl Alcohol

Concen: 34.952 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

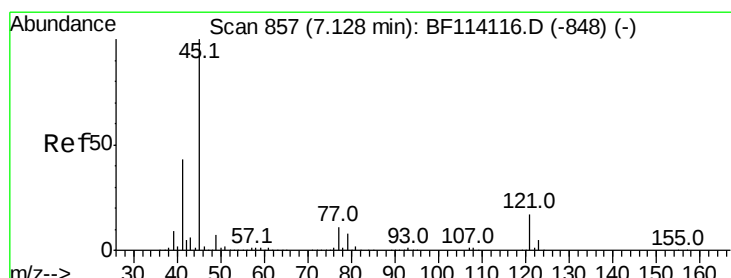
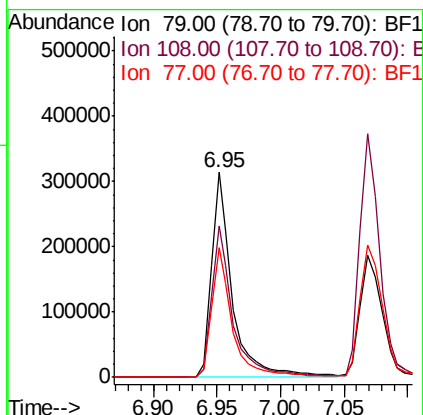
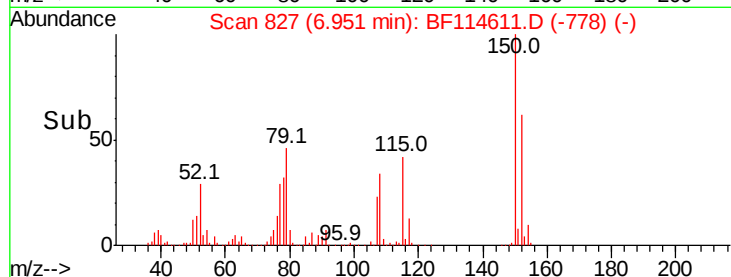
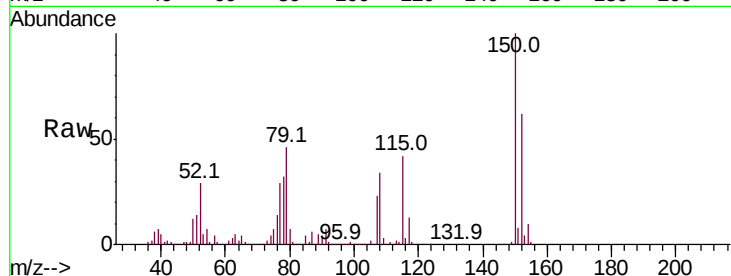
ClientSampleId :

PB119943BSD

Tot Ion:	79	Resp:	361906
Ion Ratio	Lower	Upper	
79	100		
108	73.9	62.1	93.1
77	63.1	51.0	76.6

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.702 ng

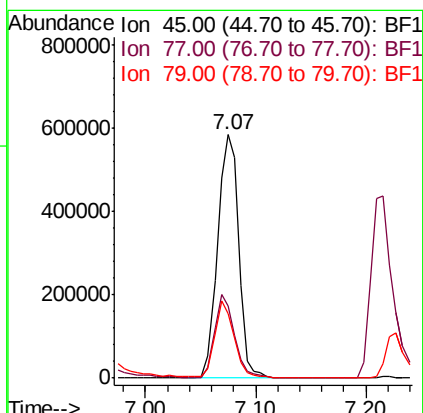
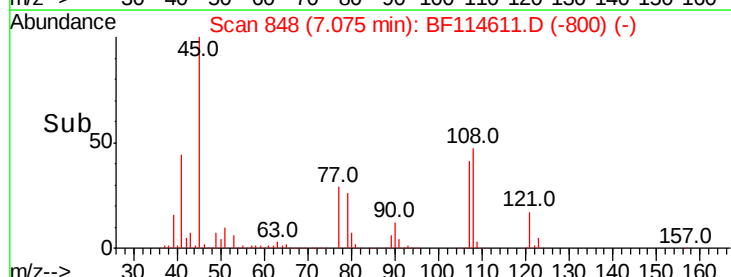
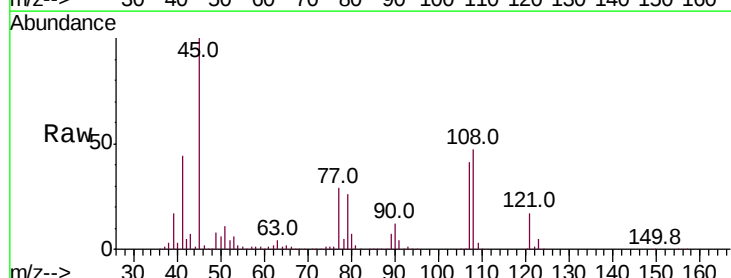
RT: 7.07 min Scan# 848

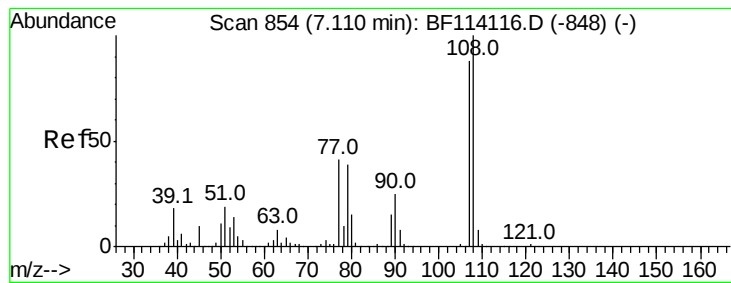
Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:	45	Resp:	774790
Ion Ratio	Lower	Upper	
45	100		
77	29.4	0.0	31.1
79	26.4	0.0	28.4





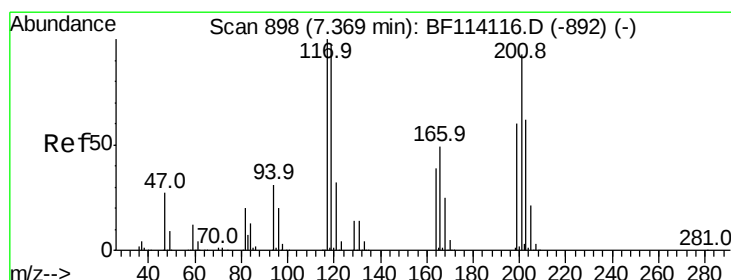
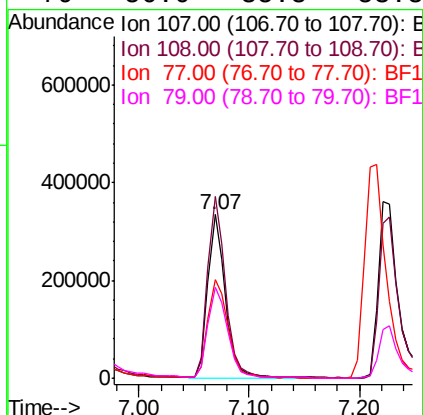
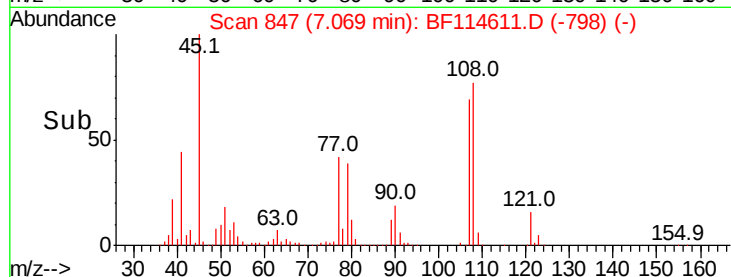
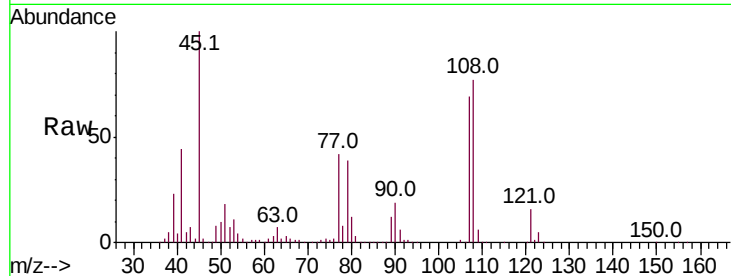
#17
2-Methylphenol
Concen: 36.439 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.6	90.5	135.7	
77	60.4	37.0	55.4	
79	56.0	35.8	53.8	

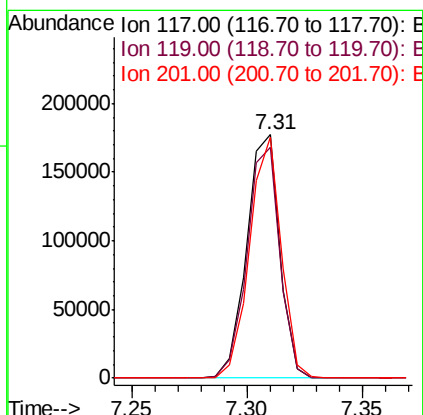
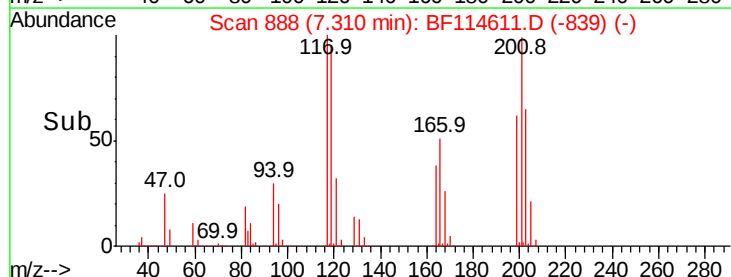
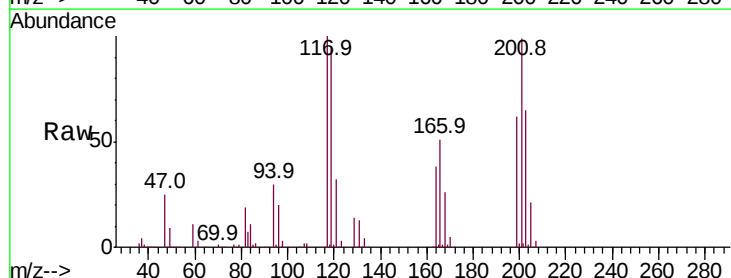
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#18
Hexachloroethane
Concen: 34.910 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.6	77.4	116.2	
201	98.9	74.5	111.7	





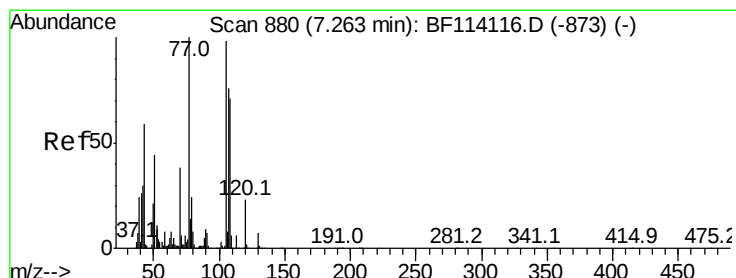
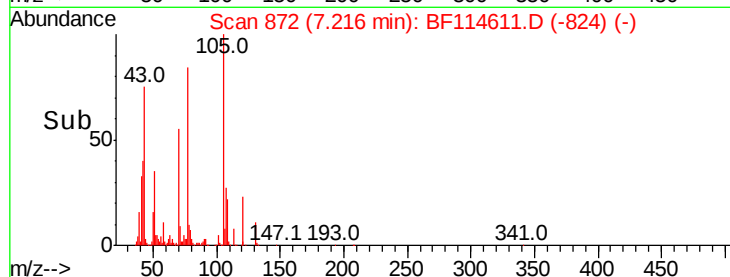
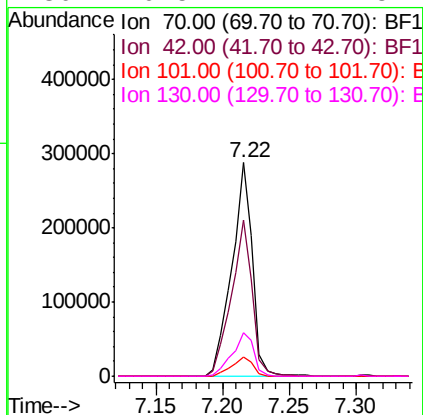
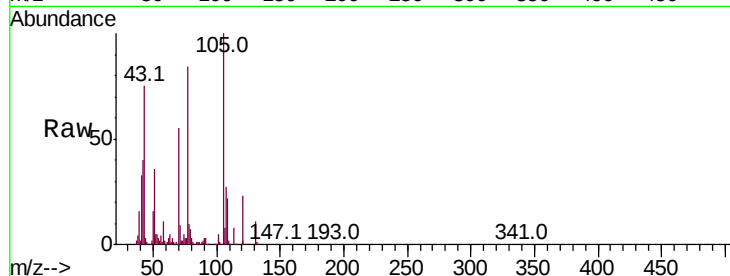
#19
n-Nitroso-di-n-propylamine
Concen: 37.188 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	72.9	58.6	87.8
101	9.3	7.8	11.8
130	20.5	17.1	25.7

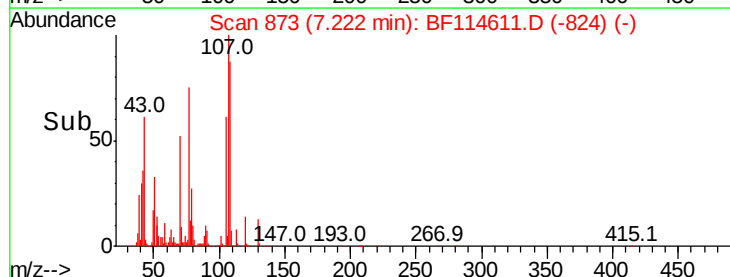
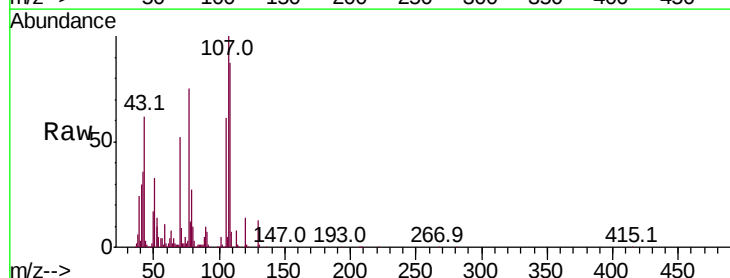
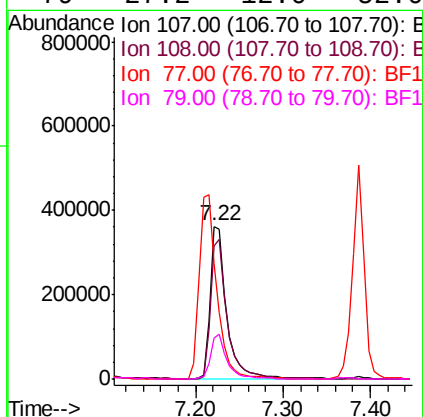
Manual Integrations
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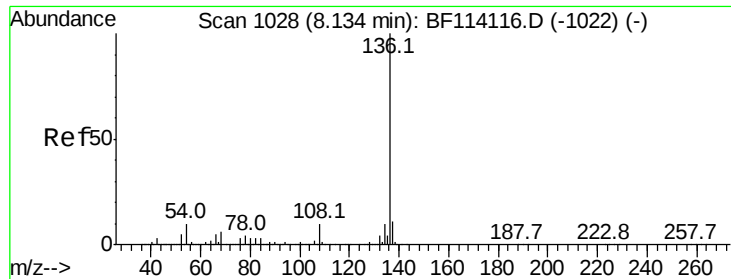
mohammad
5/27/2019 3:50:05 AM



#20
3+4-Methylphenols
Concen: 41.644 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.2	73.8	113.8
77	75.3	111.5	151.5#
79	27.2	12.0	52.0





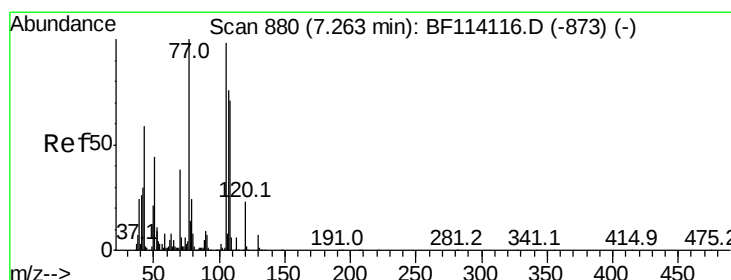
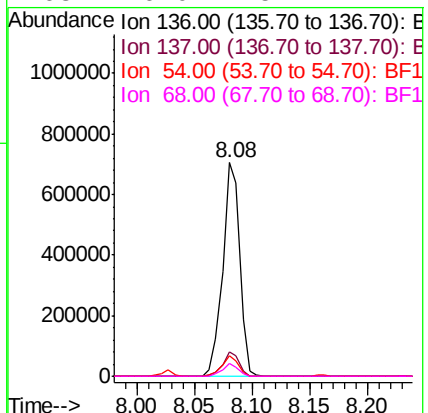
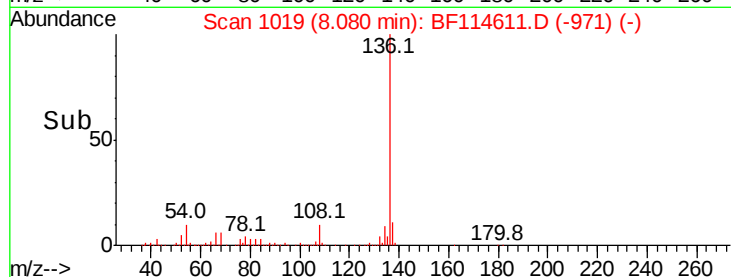
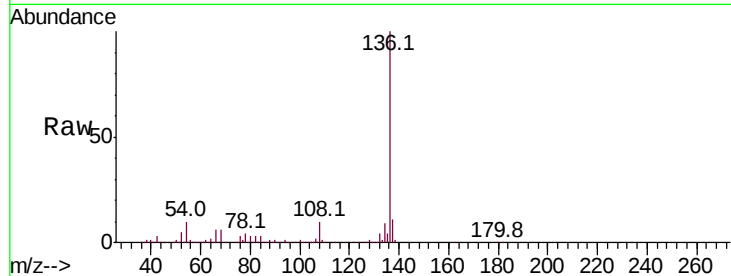
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.8	13.2	
54	9.8	7.8	11.8	
68	6.0	5.1	7.7	

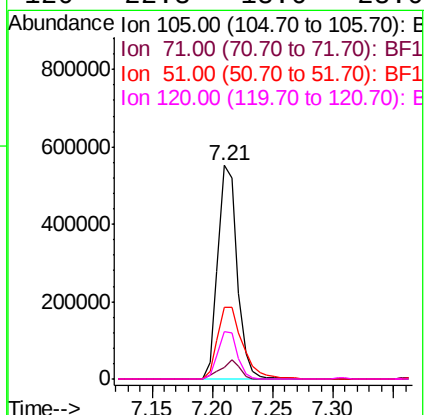
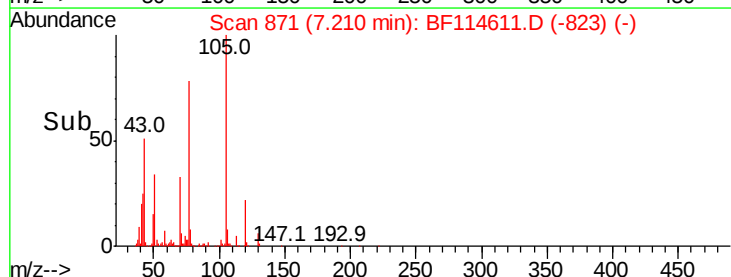
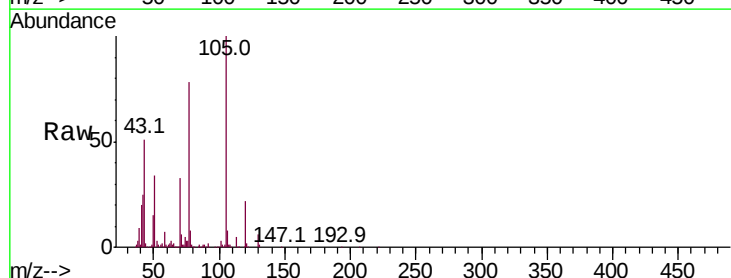
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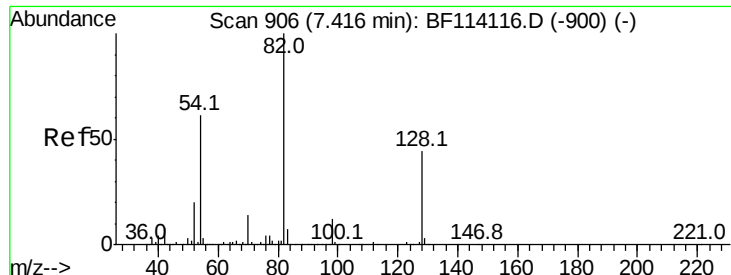
mohammad
5/27/2019 3:50:05 AM



#22
Acetophenone
Concen: 37.968 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.6	5.3	7.9	
51	33.8	36.2	54.4	
120	22.3	18.6	28.0	





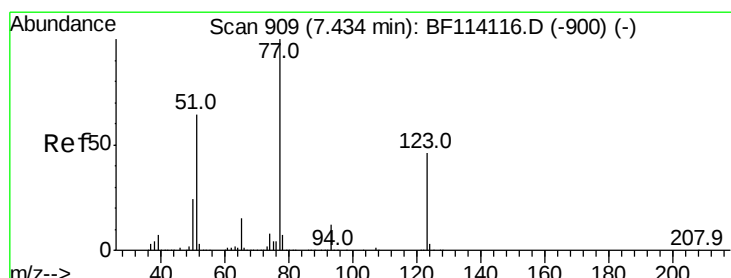
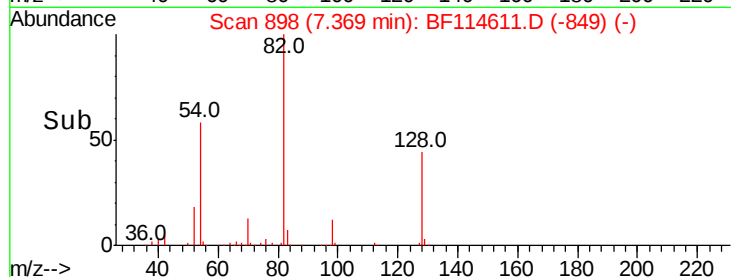
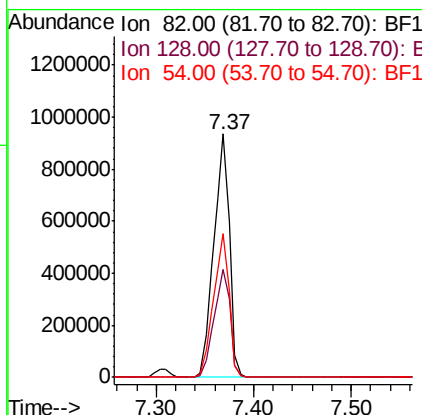
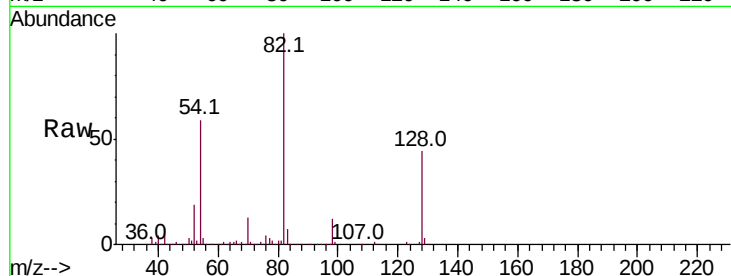
#23
Nitrobenzene-d5
Concen: 80.412 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion: 82 Resp: 1040077
Ion Ratio Lower Upper
82 100
128 44.2 35.5 53.3
54 58.9 48.5 72.7

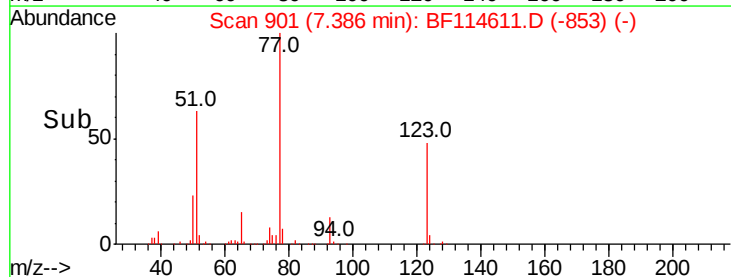
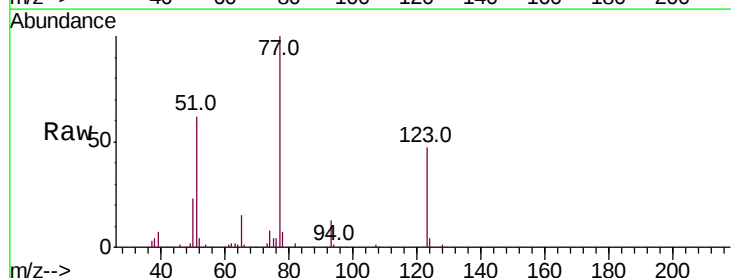
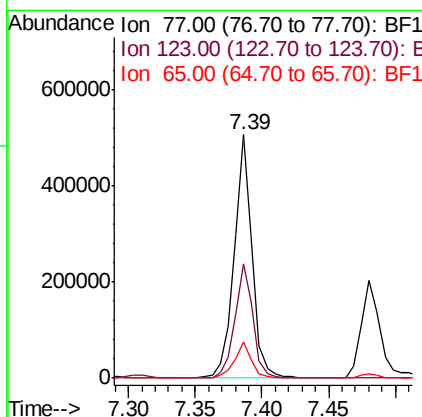
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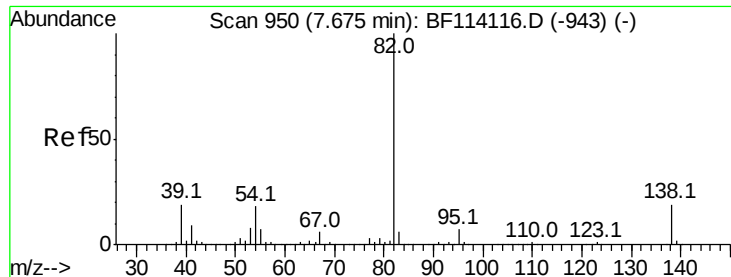
mohammad
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#24
Nitrobenzene
Concen: 35.997 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion: 77 Resp: 474215
Ion Ratio Lower Upper
77 100
123 47.1 36.9 55.3
65 14.6 11.8 17.6





#25

Isophorone

Concen: 36.327 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

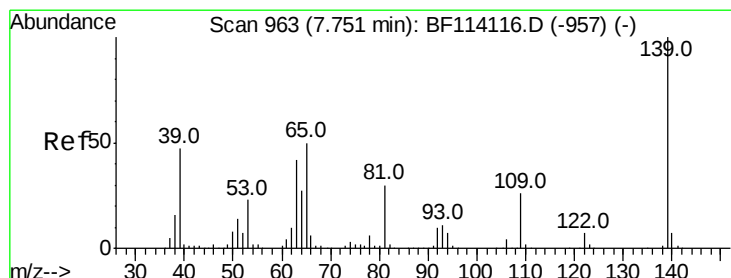
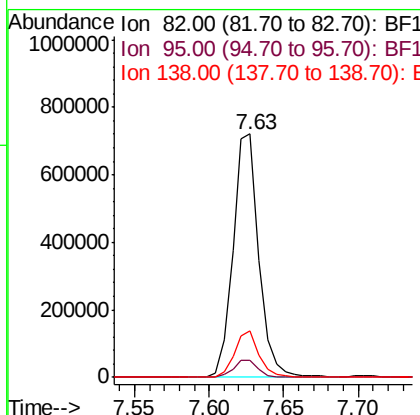
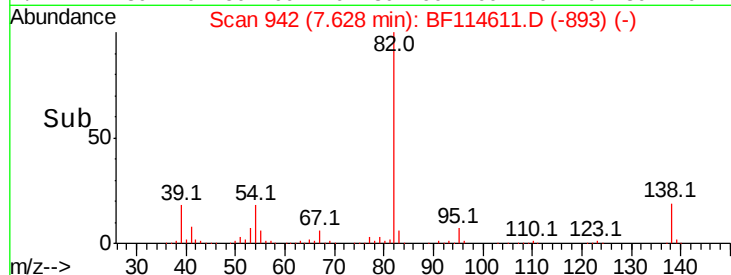
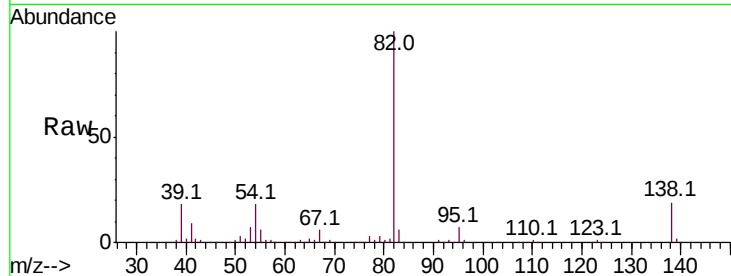
ClientSampleId :

PB119943BSD

Tot Ion:	82	Resp:	871425
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.6	8.4
138	19.0	14.8	22.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 38.447 ng

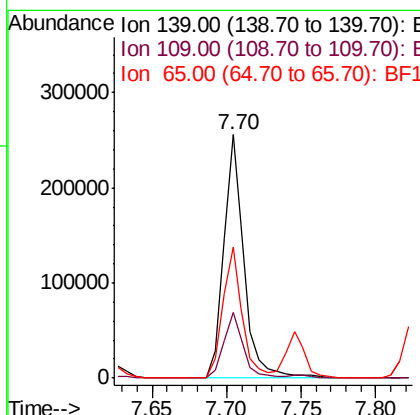
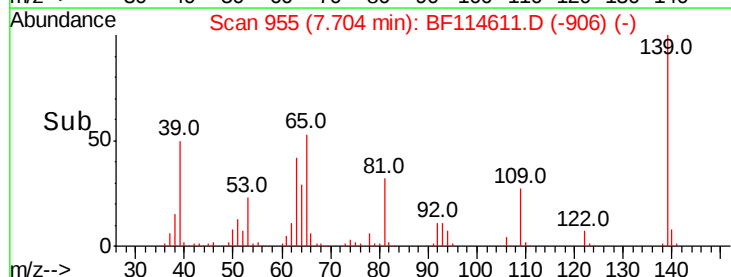
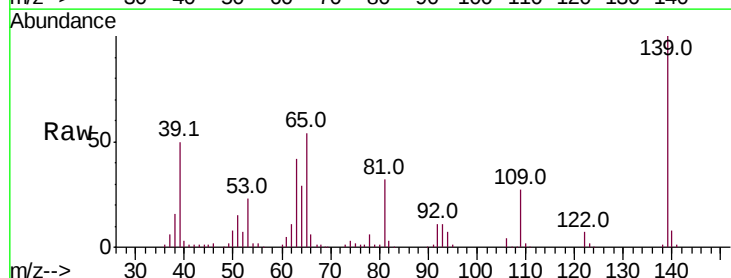
RT: 7.70 min Scan# 955

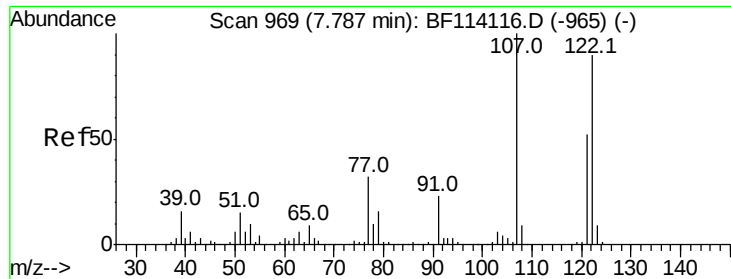
Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:	139	Resp:	245732
Ion Ratio	Lower	Upper	
139	100		
109	27.1	20.7	31.1
65	53.6	40.2	60.2





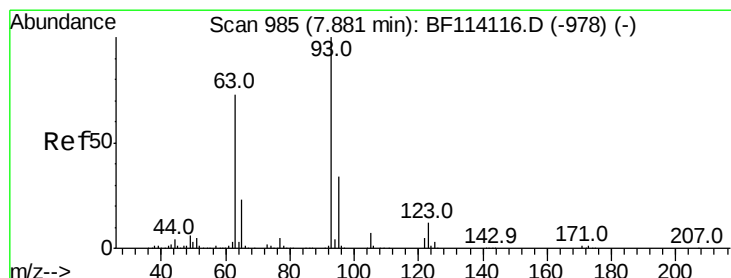
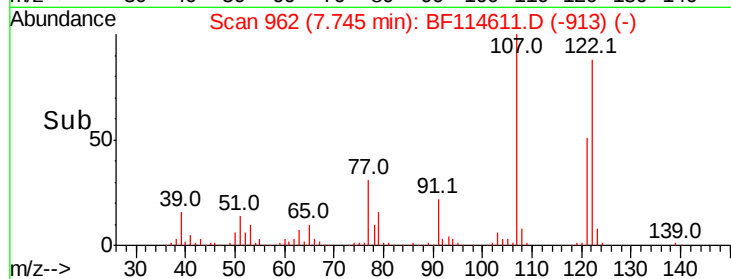
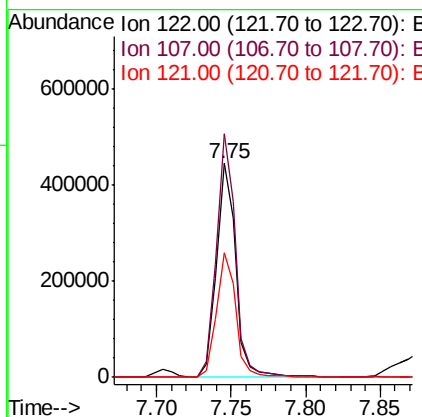
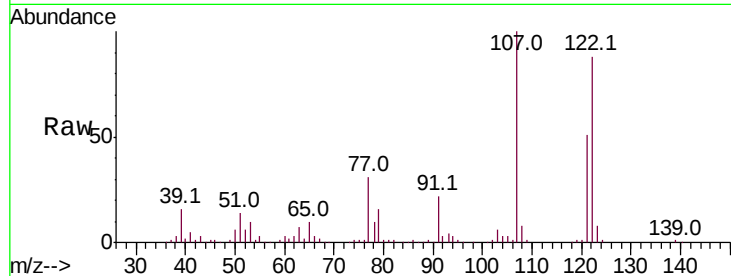
#27
2,4-Dimethylphenol
Concen: 39.820 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	399728		
107	113.9	88.4	132.6	
121	58.4	45.9	68.9	

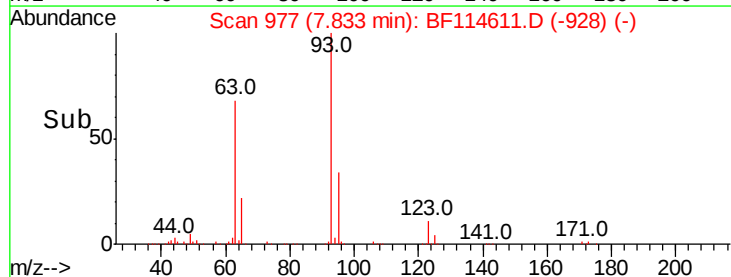
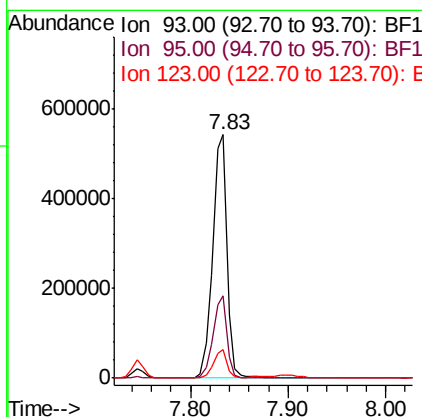
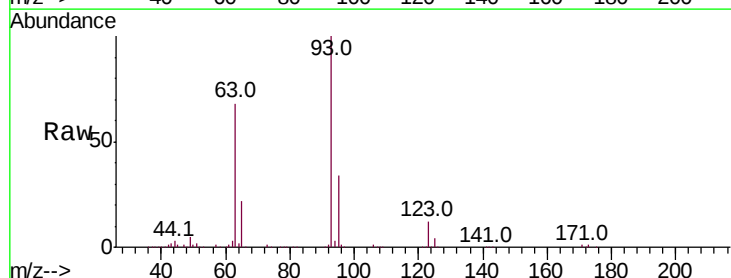
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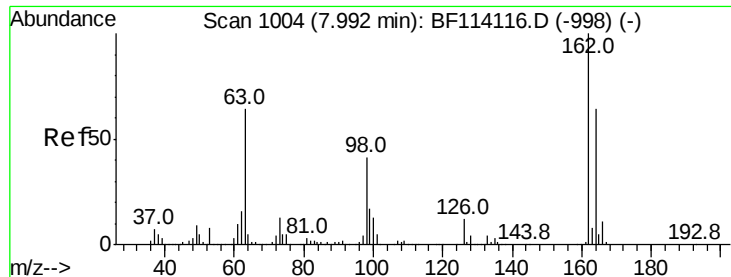
mohammad
5/27/2019 3:50:05 AM



#28
bis(2-Chloroethoxy)methane
Concen: 35.429 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	551439		
95	33.8	26.8	40.2	
123	11.6	9.5	14.3	





#29

2,4-Dichlorophenol

Concen: 38.391 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

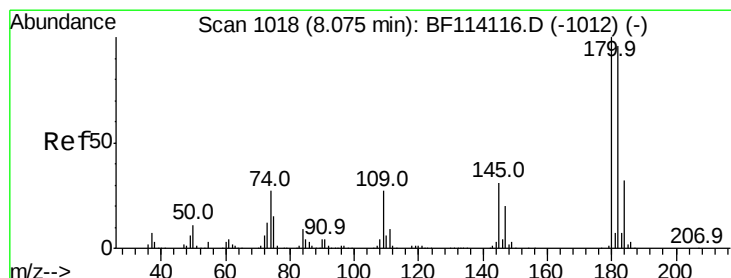
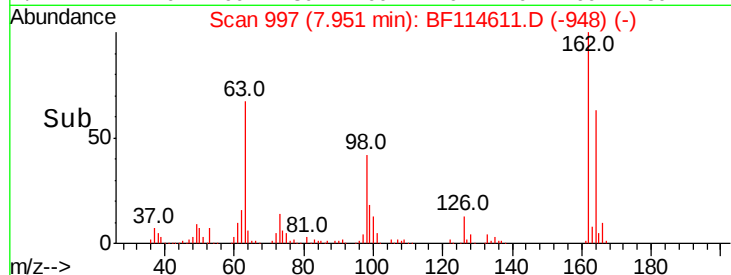
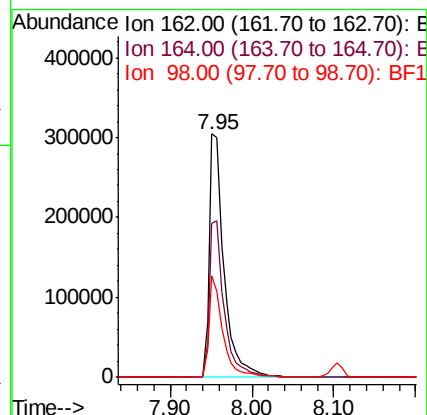
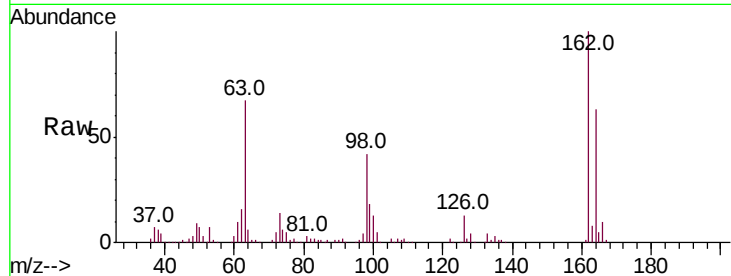
ClientSampleId :

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Tot Ion:	162	Resp:	383745
Ion Ratio	Lower	Upper	
162	100		
164	63.2	43.6	83.6
98	41.9	20.6	60.6

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#30

1,2,4-Trichlorobenzene

Concen: 35.309 ng

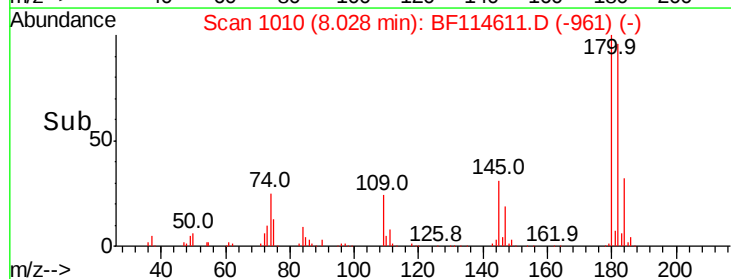
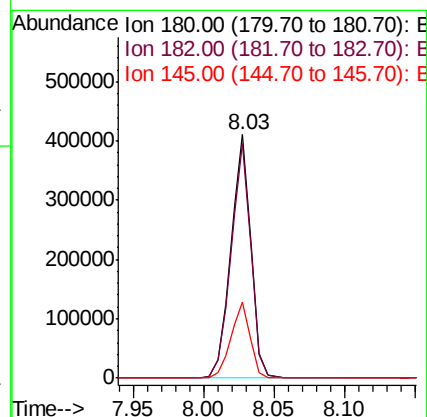
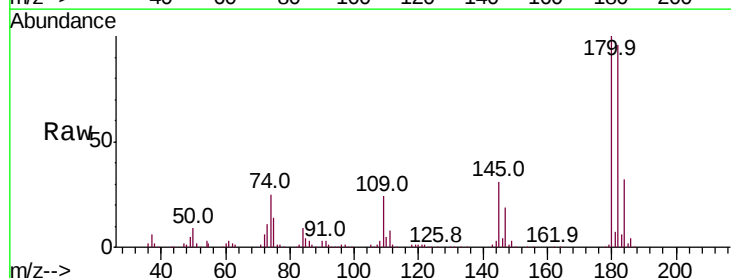
RT: 8.03 min Scan# 1010

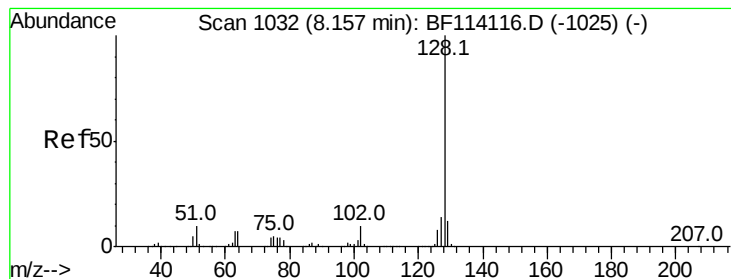
Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:	180	Resp:	401343
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.6	114.8
145	31.1	25.1	37.7





#31

Naphthalene

Concen: 37.960 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

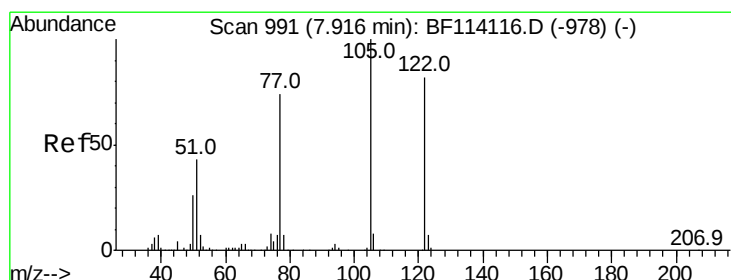
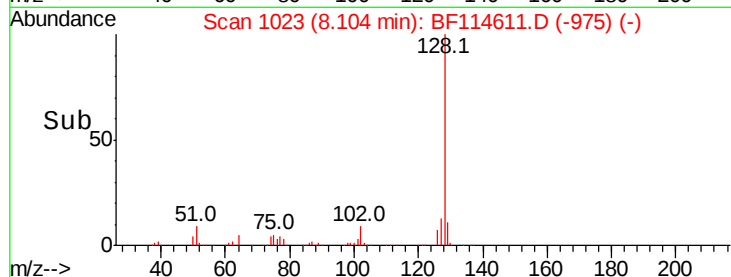
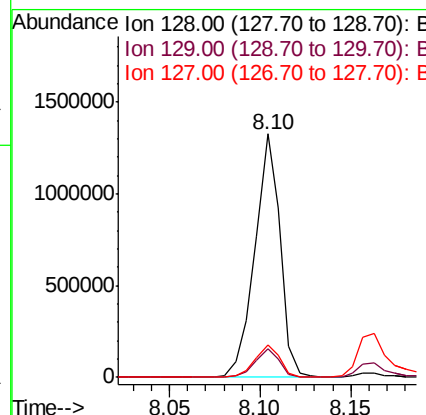
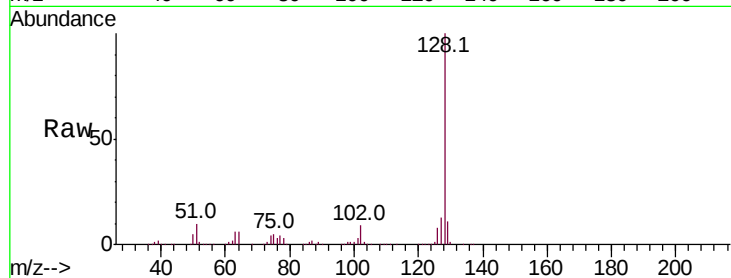
ClientSampleId :

PB119943BSD

Tot Ion:	128	Resp:	1287124
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.6	14.4
127	13.3	11.3	16.9

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#32

Benzoic acid

Concen: 35.205 ng m

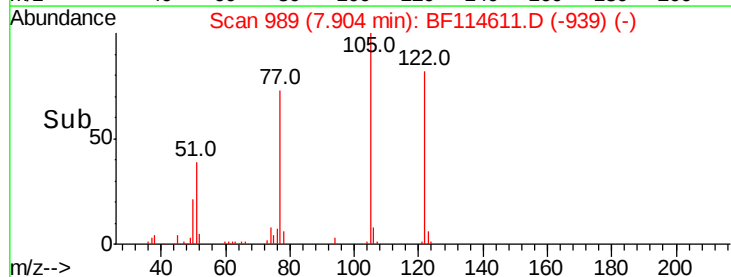
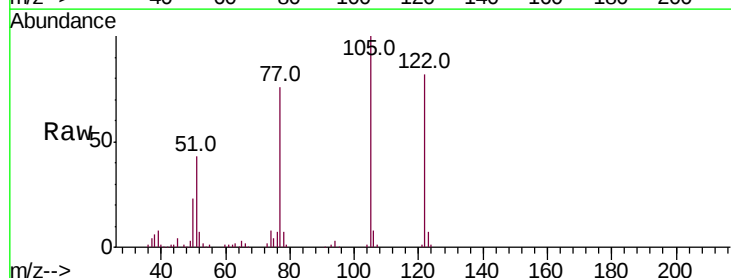
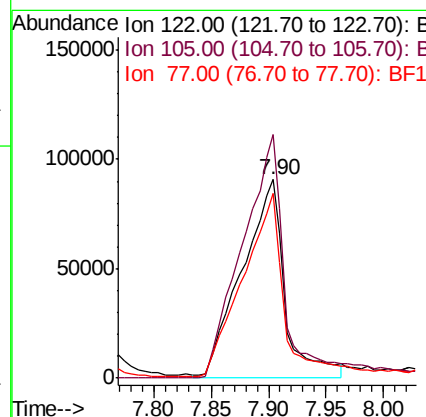
RT: 7.90 min Scan# 989

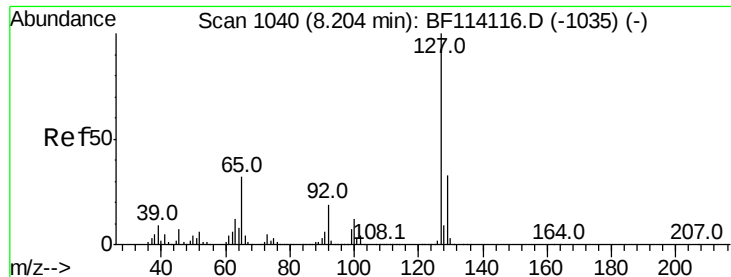
Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:	122	Resp:	236296
Ion	Ratio	Lower	Upper
122	100		
105	122.6	99.9	139.9
77	93.1	69.4	109.4





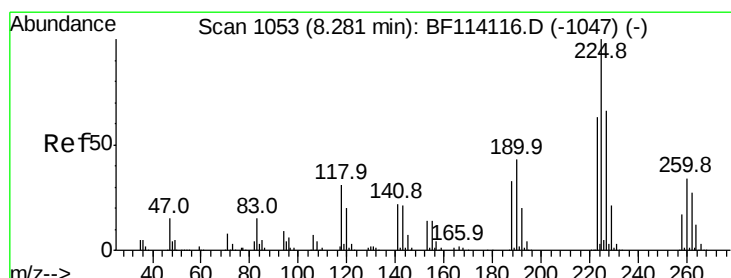
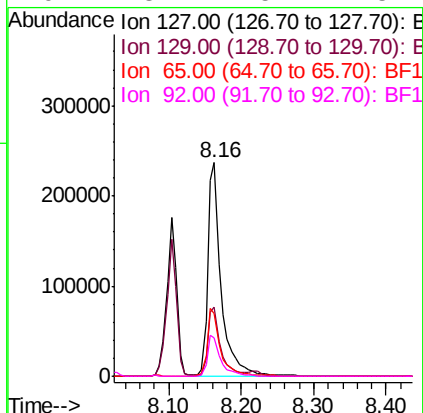
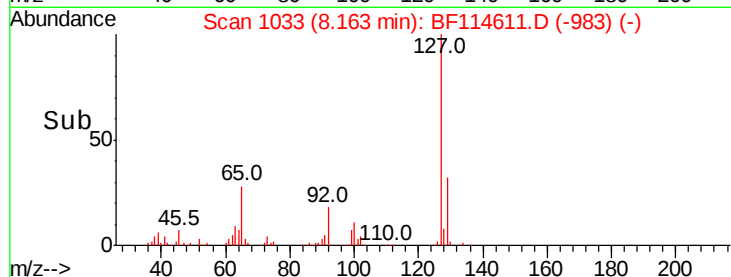
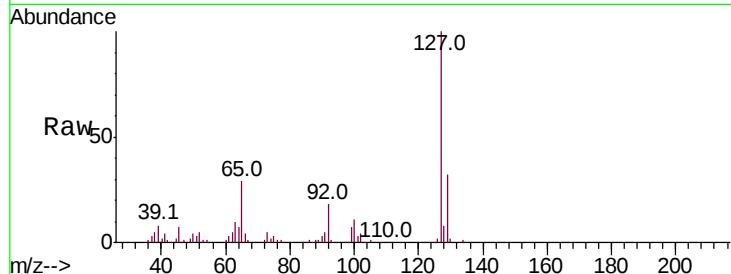
#33
4-Chloroaniline
Concen: 19.718 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.7	40.1	
65	29.2	25.4	38.0	
92	18.2	15.4	23.2	

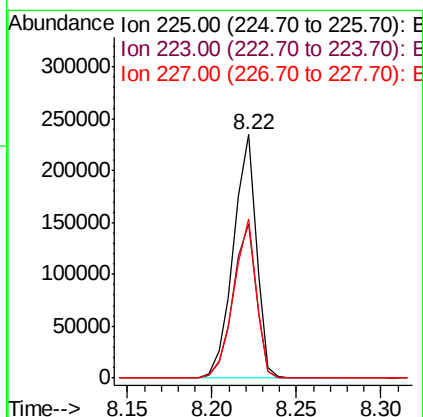
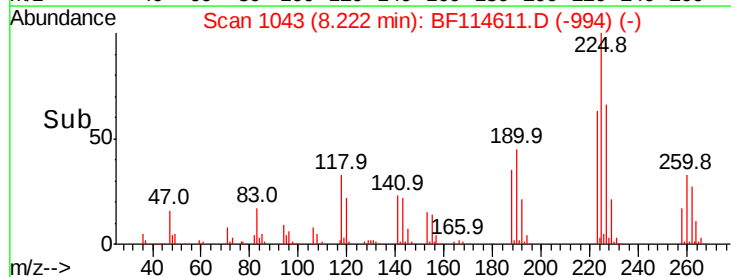
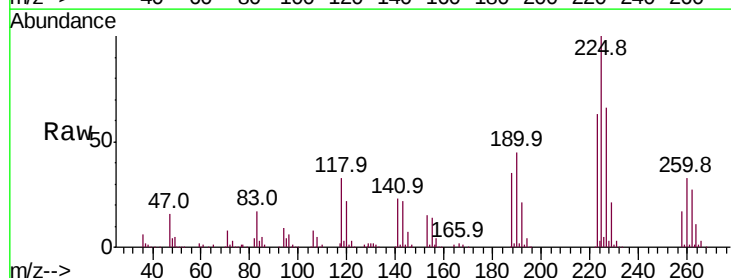
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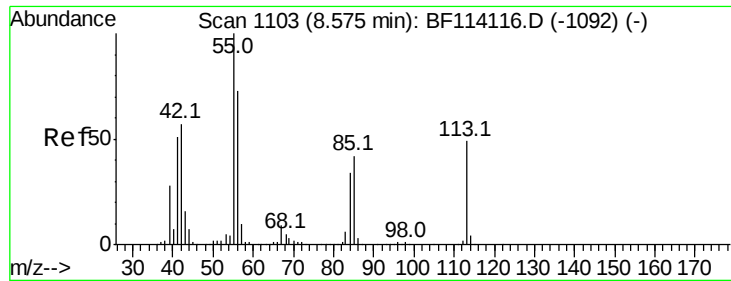
mohammad
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#34
Hexachlorobutadiene
Concen: 34.311 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	50.2	75.2	
227	65.5	52.6	79.0	





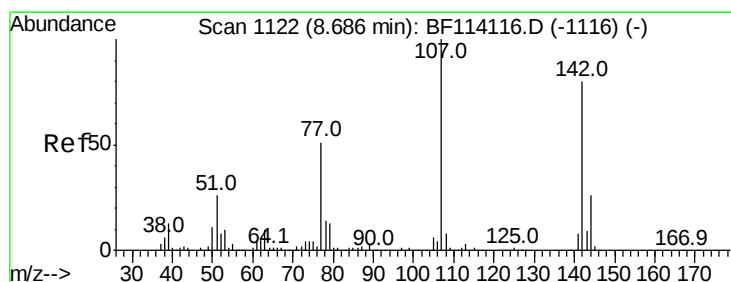
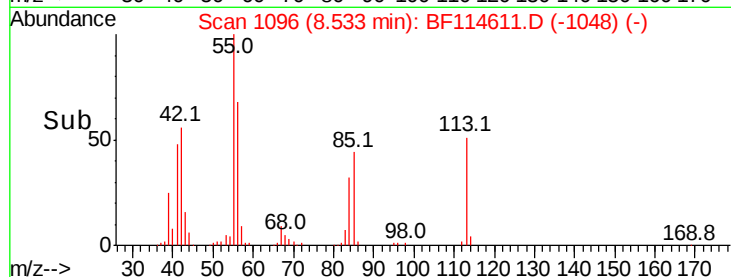
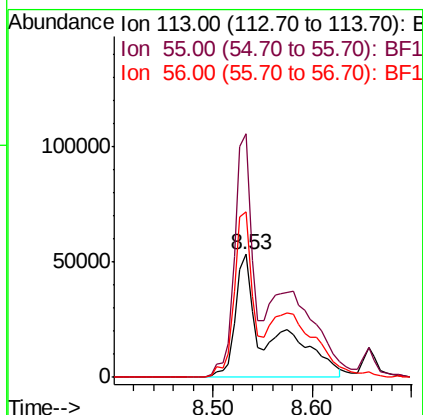
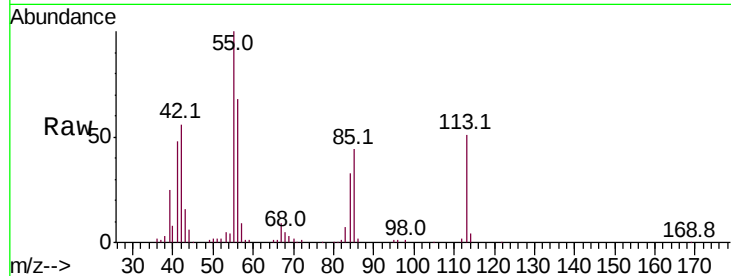
#35
 Caprolactam
 Concen: 39.075 ng/ml
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	197.9	183.5	223.5
56	134.6	128.8	168.8

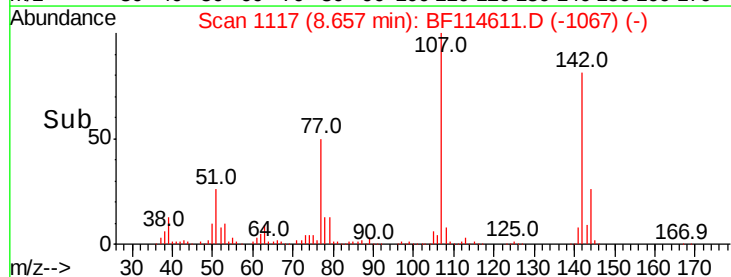
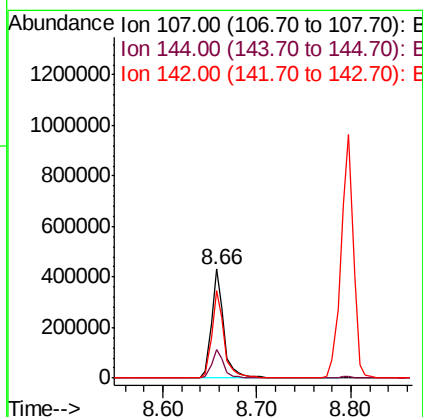
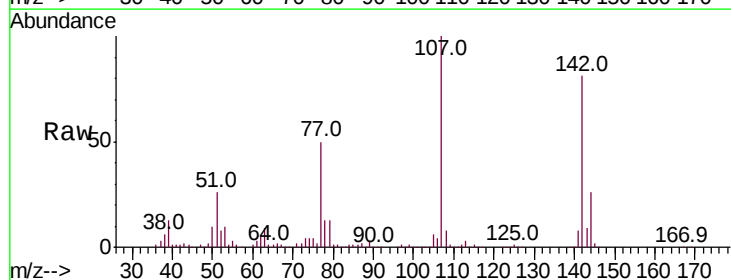
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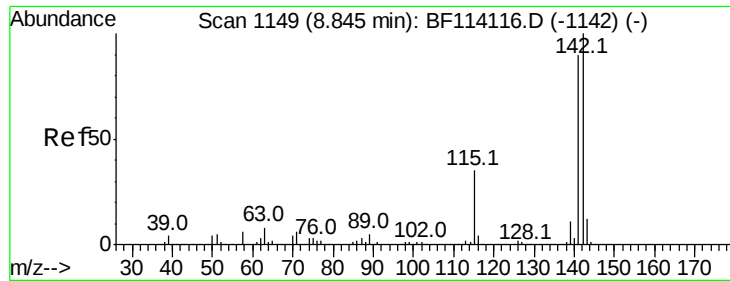
mohammad
 5/27/2019 3:50:05 AM



#36
 4-Chloro-3-methylphenol
 Concen: 39.907 ng/ml
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.4	30.6
142	80.5	64.2	96.4





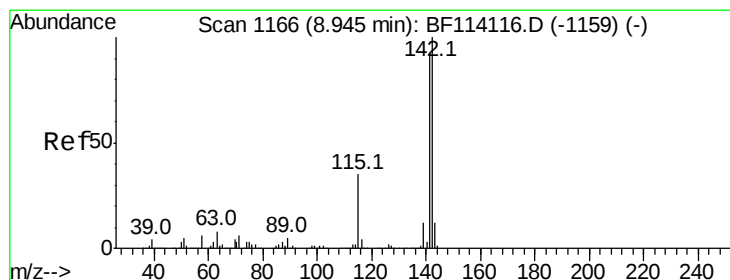
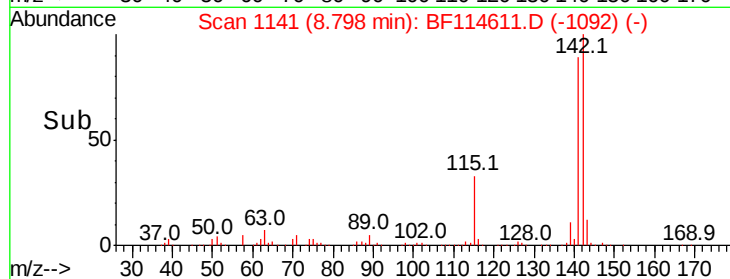
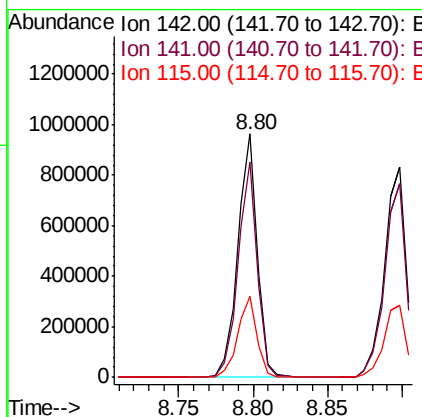
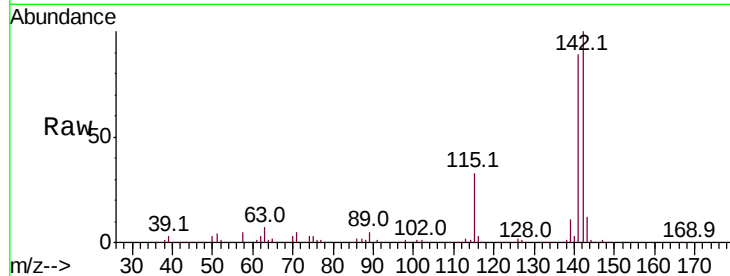
#37
2-Methylnaphthalene
Concen: 39.809 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.1	108.1
115	33.0	28.0	42.0

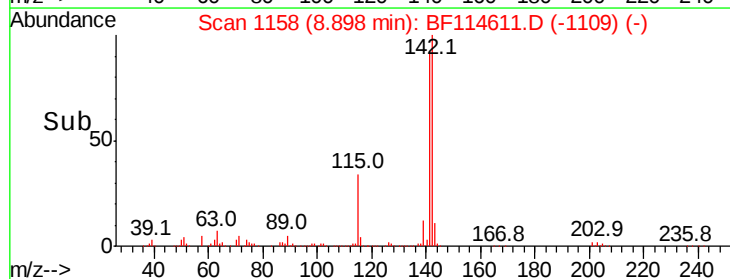
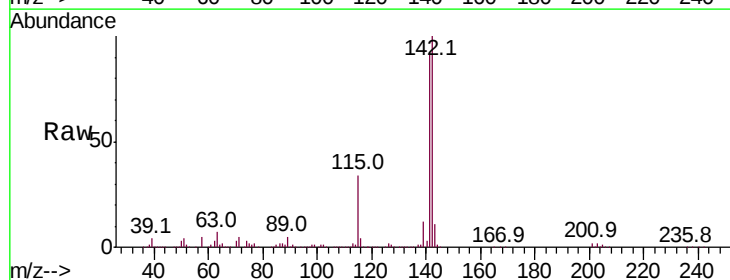
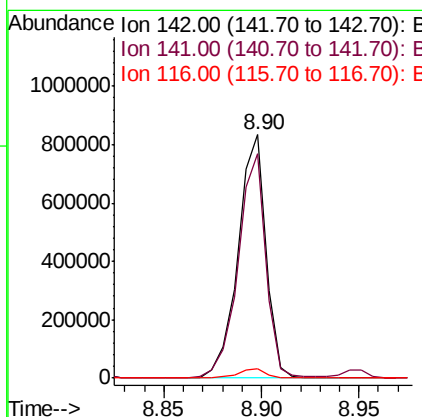
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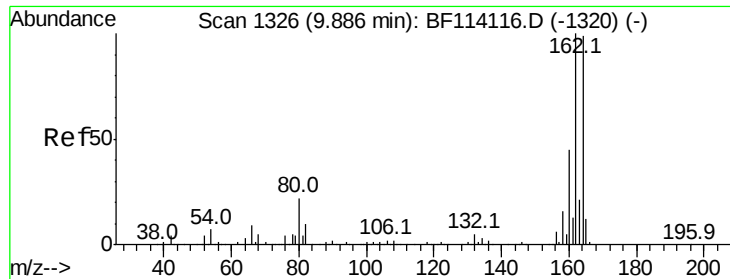
mohammad
5/27/2019 3:50:05 AM



#38
1-Methylnaphthalene
Concen: 39.959 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.4	110.0
116	3.8	3.1	4.7





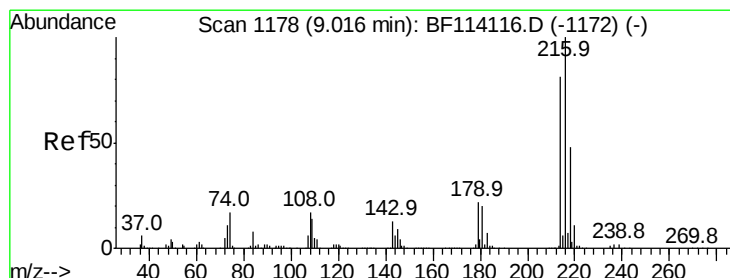
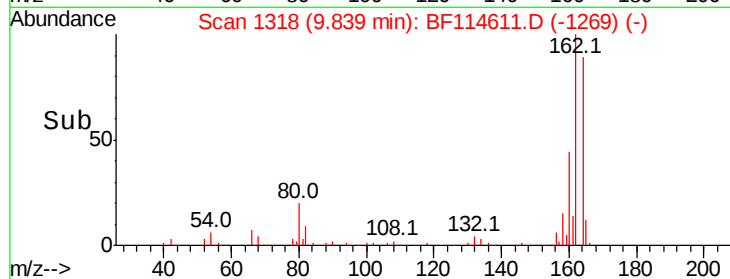
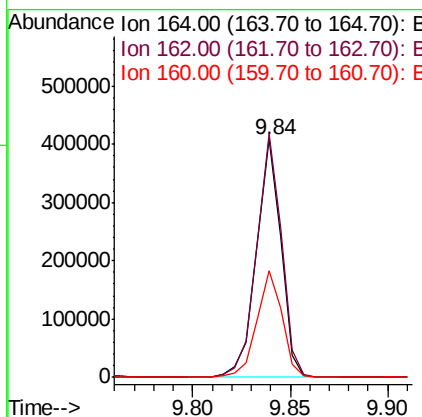
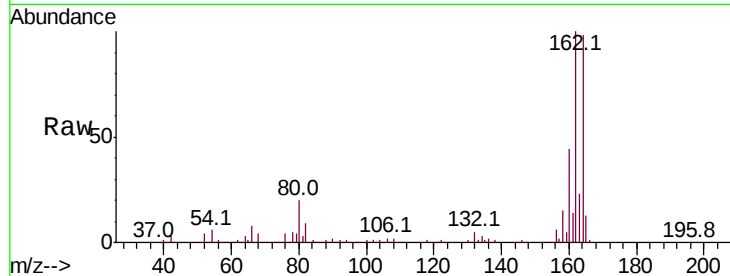
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampled :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.6	120.8
160	44.8	36.5	54.7

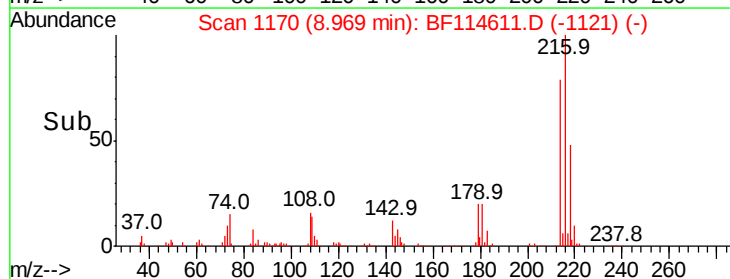
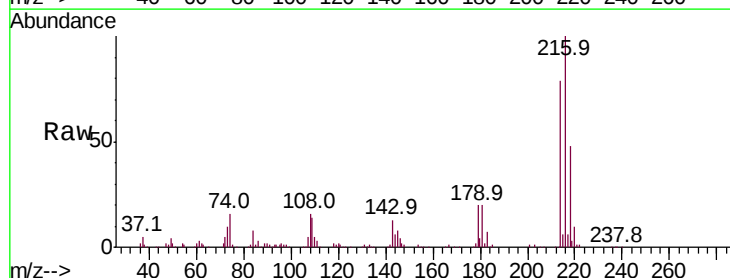
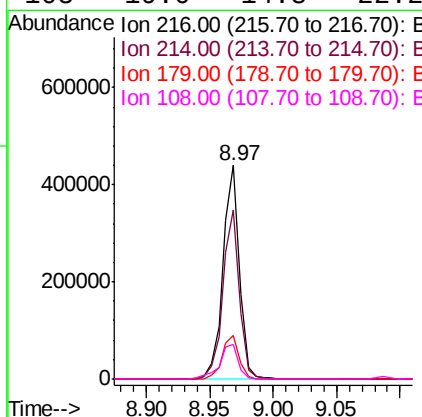
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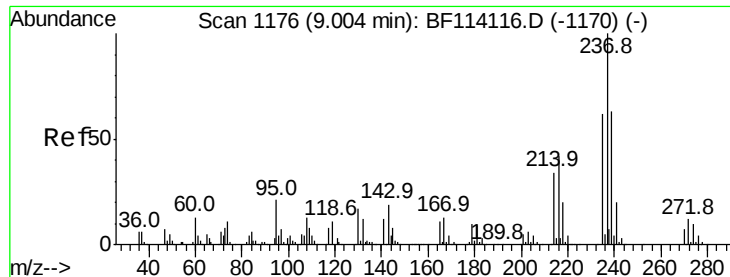
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.678 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.9	95.9
179	21.0	17.0	25.6
108	19.0	14.8	22.2





#41

Hexachlorocyclopentadiene

Concen: 40.364 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

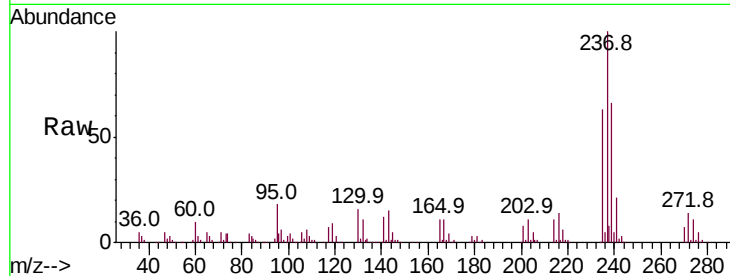
ClientSampleId :

PB119943BSD

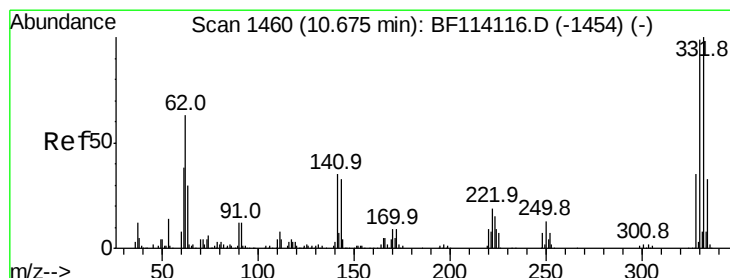
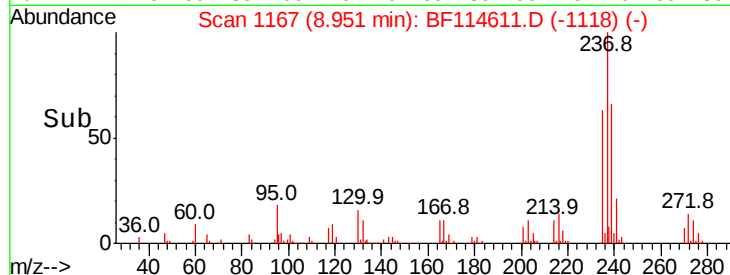
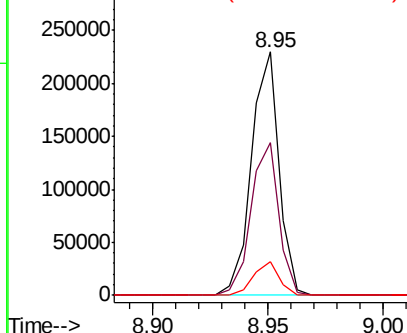
Tot Ion:	237	Resp:	191866
Ion Ratio		Lower	Upper
237	100		
235	63.0	42.0	82.0
272	13.7	0.0	32.4

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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: 102.087 ng

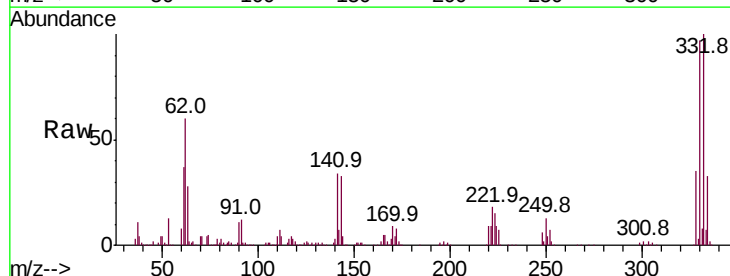
RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

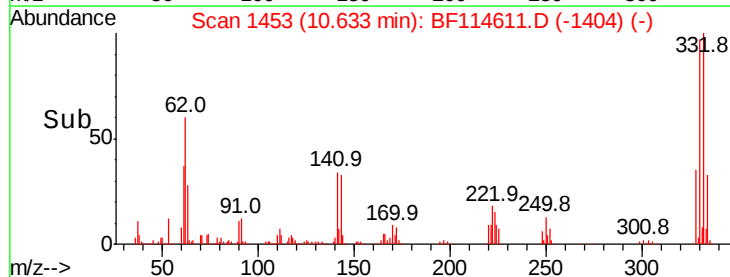
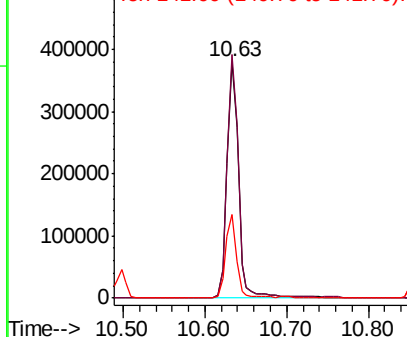
Lab File: BF114611.D

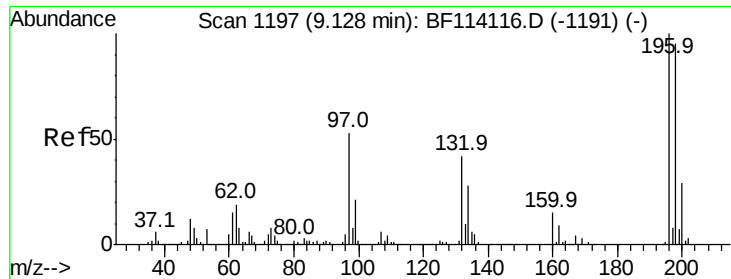
Acq: 25 May 2019 18:31

Tgt Ion:	330	Resp:	376618
Ion Ratio		Lower	Upper
330	100		
332	100.7	81.4	122.2
141	33.4	26.6	40.0



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





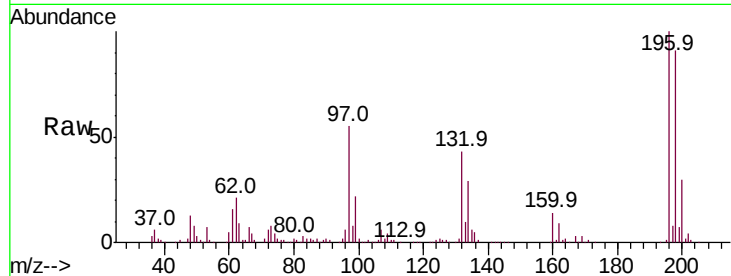
#43
 2,4,6-Trichlorophenol
 Concen: 33.799 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	251305		
198	91.1	75.9	113.9	
200	29.7	23.5	35.3	

Manual Integrations
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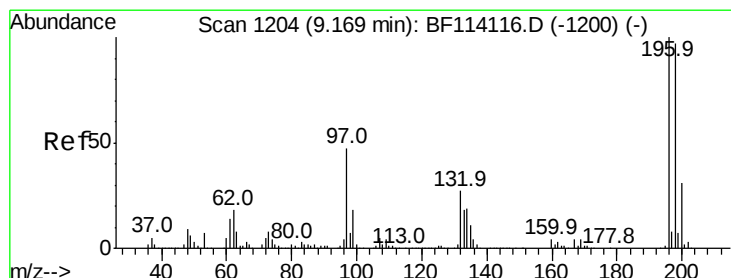
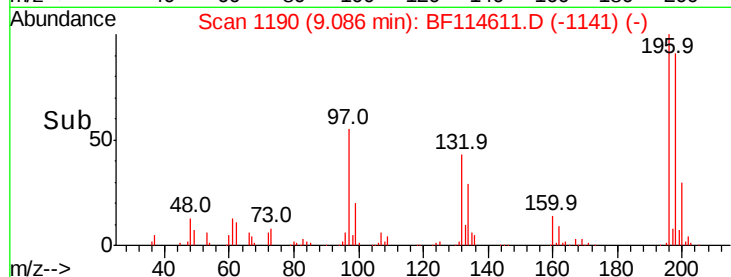
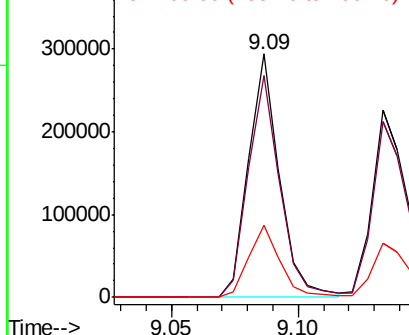


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 33.437 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	254961		
198	93.8	77.7	116.5	
97	51.7	38.2	57.2	
132	28.8	21.4	32.2	

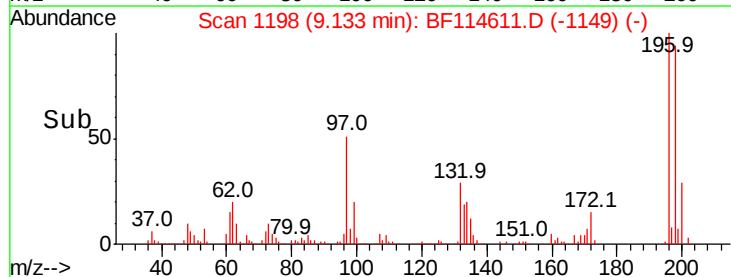
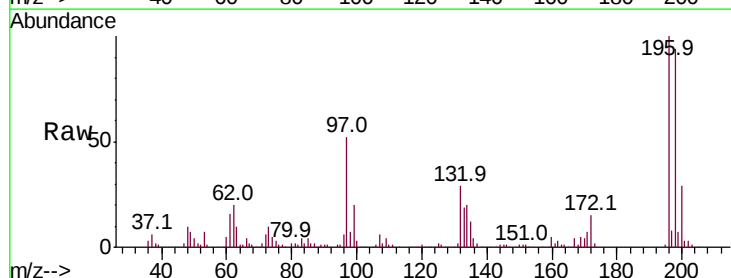
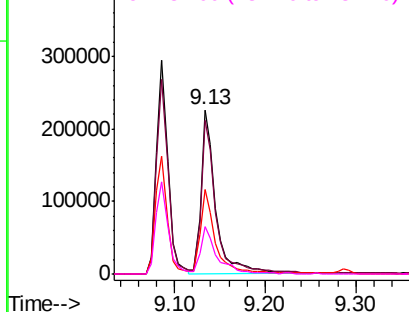
Abundance

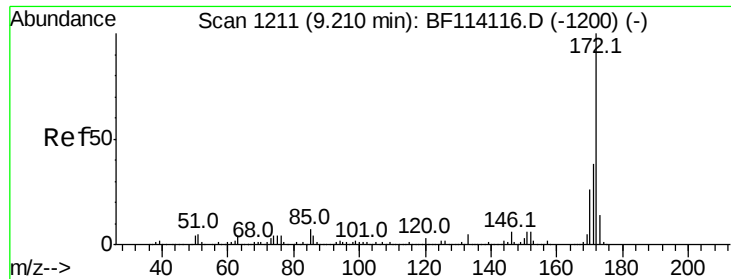
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





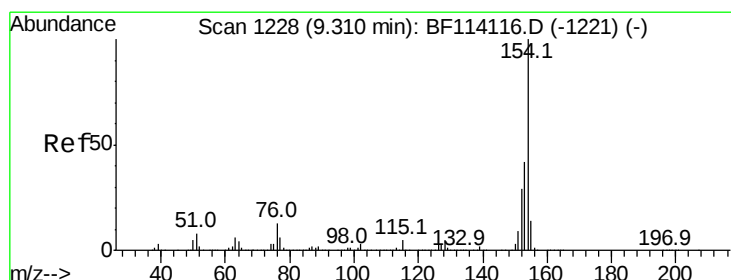
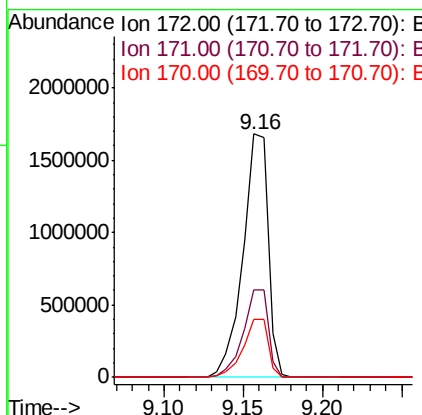
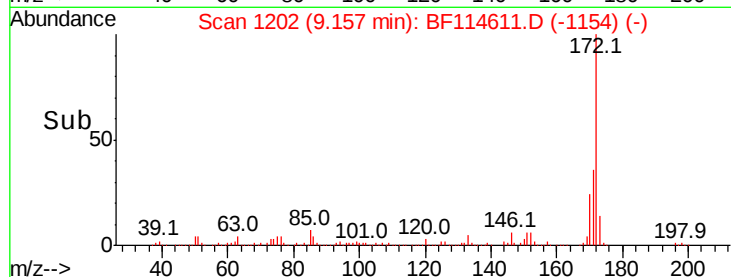
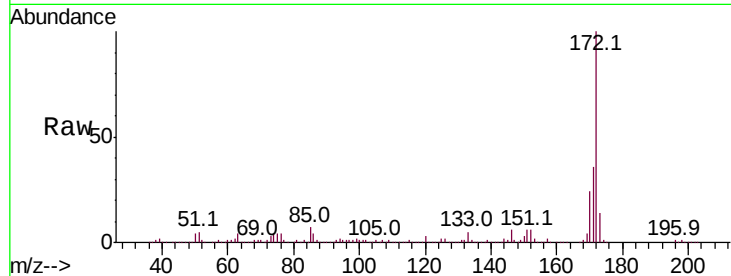
#45
2-Fluorobiphenyl
Concen: 78.525 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion:172 Resp: 1852445
Ion Ratio Lower Upper
172 100
171 35.7 30.7 46.1
170 23.9 20.5 30.7

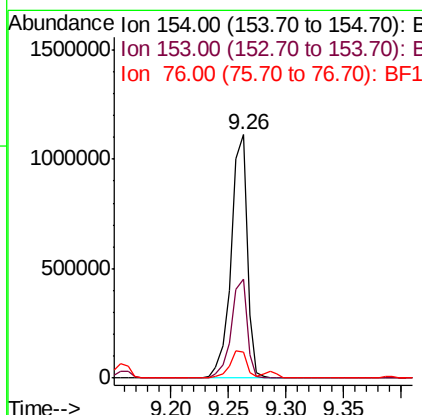
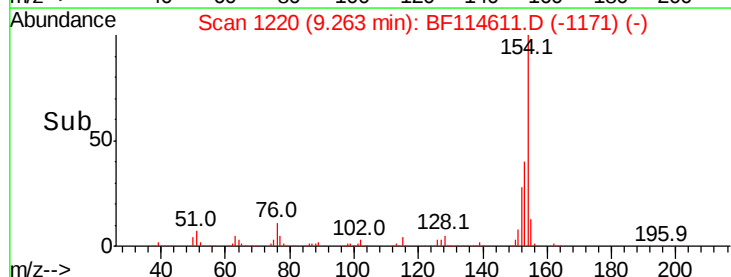
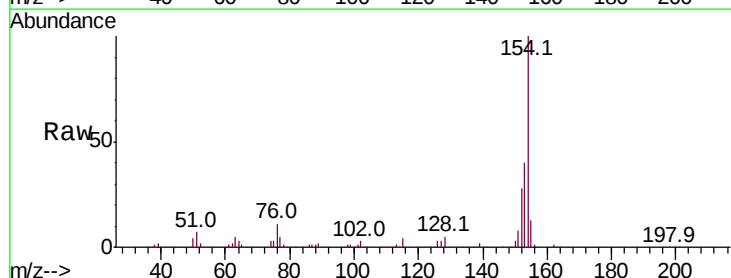
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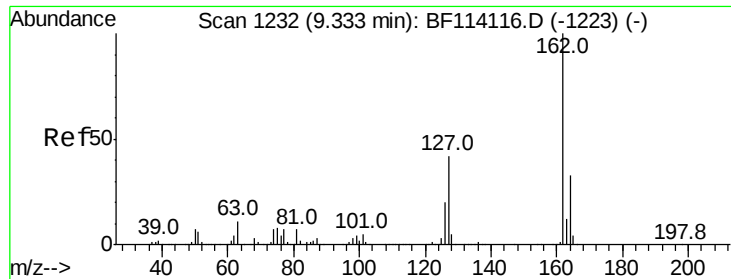
mohammad
5/27/2019 3:50:05 AM



#46
1,1'-Biphenyl
Concen: 37.251 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion:154 Resp: 1073897
Ion Ratio Lower Upper
154 100
153 40.4 21.9 61.9
76 10.9 0.0 32.8





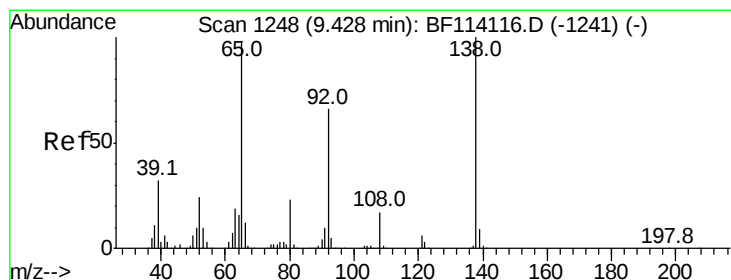
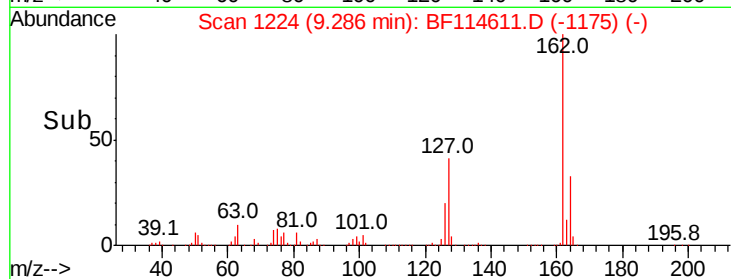
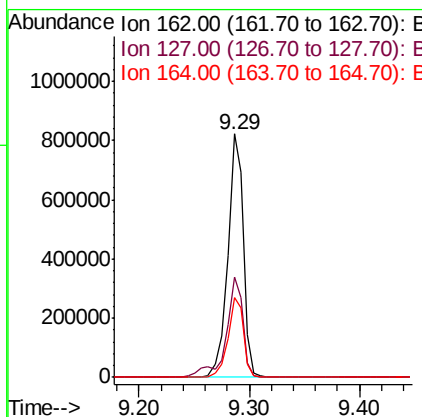
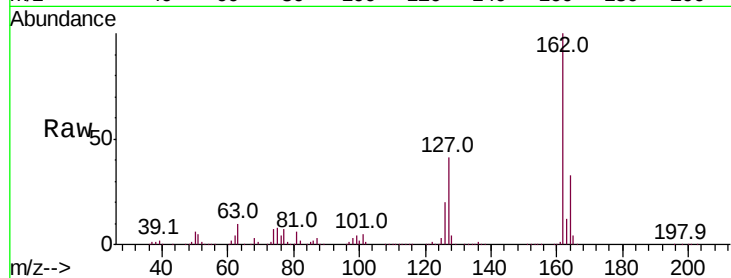
#47
 2-Chloronaphthalene
 Concen: 34.889 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampled :
 PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	809447		
127	41.1		34.0	51.0
164	32.8		26.7	40.1

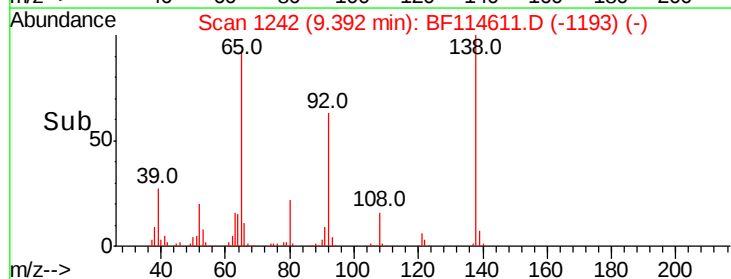
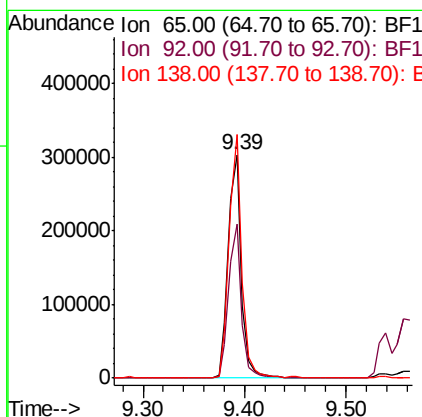
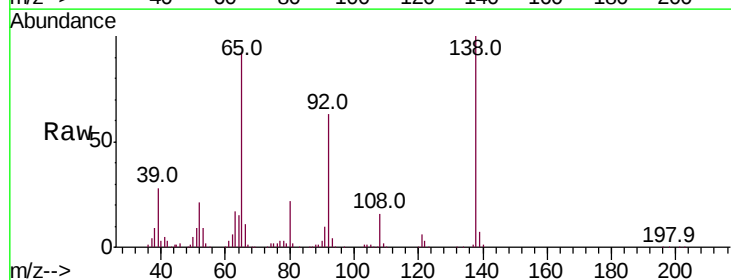
Manual Integrations
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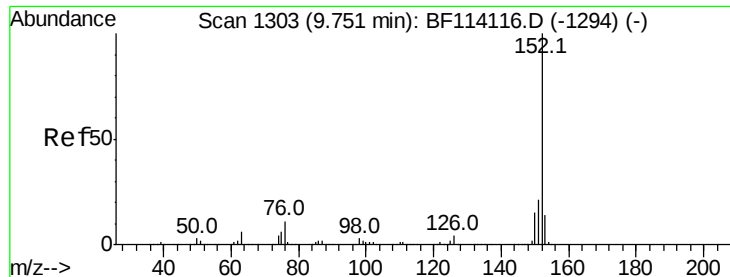
mohammad
 5/27/2019 3:50:05 AM



#48
 2-Nitroaniline
 Concen: 33.416 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	274947		
92	68.6		53.9	80.9
138	108.8		81.4	122.0





#49

Acenaphthylene

Concen: 36.009 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

ClientSampleId :

PB119943BSD

Tot Ion:152 Resp: 1270637

Ion Ratio Lower Upper

152 100

151 20.5 16.8 25.2

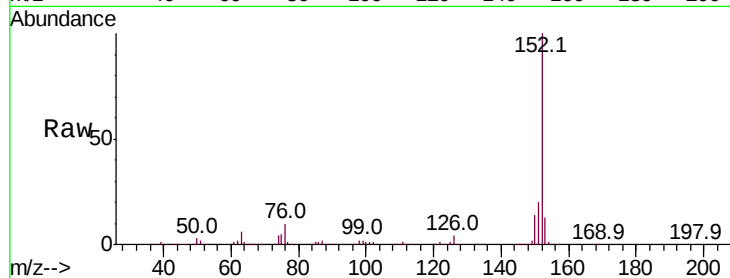
153 13.3 11.4 17.2

Manual Integrations

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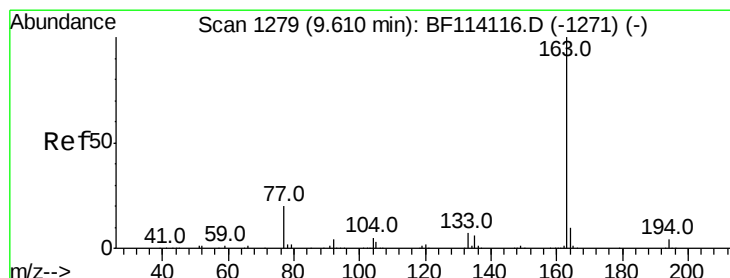
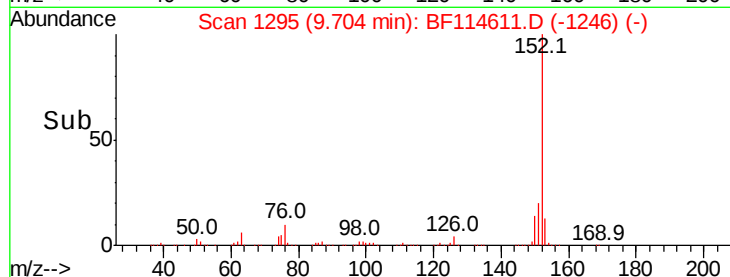
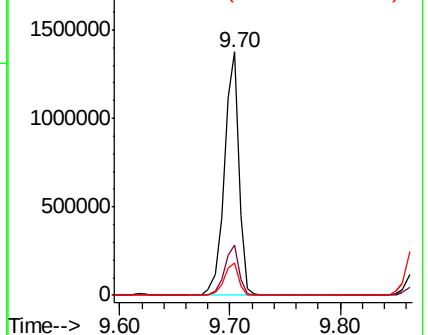
5/27/2019 3:50:05 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 35.291 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

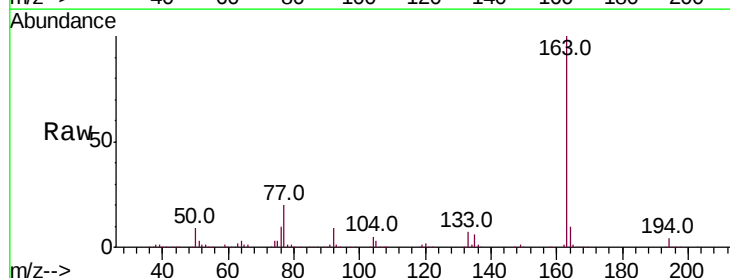
Tgt Ion:163 Resp: 924486

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

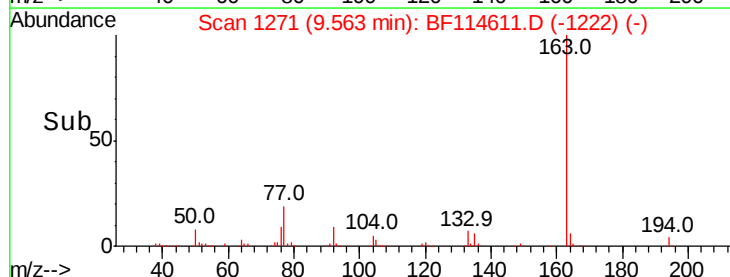
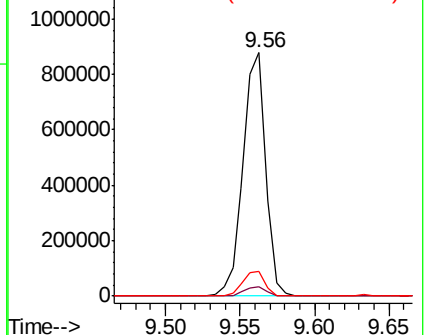
164 10.4 8.2 12.2

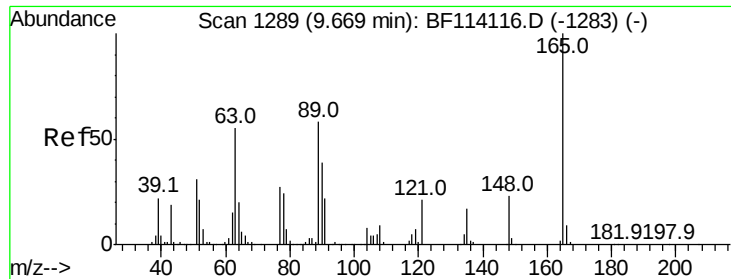


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





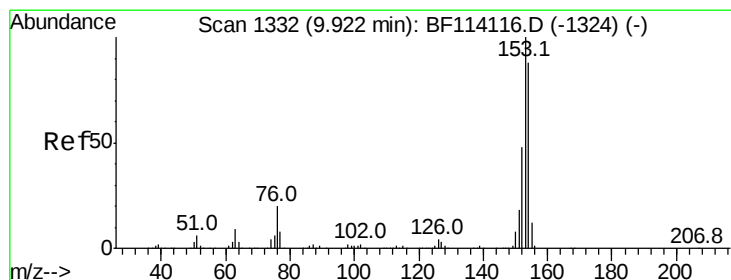
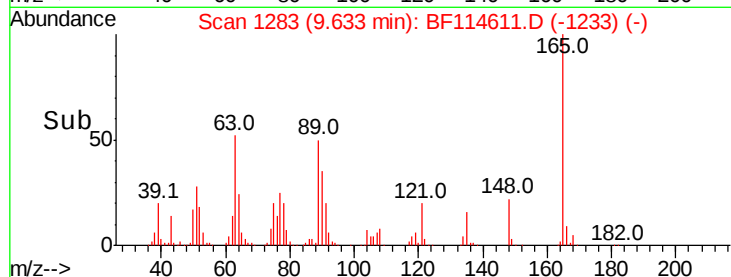
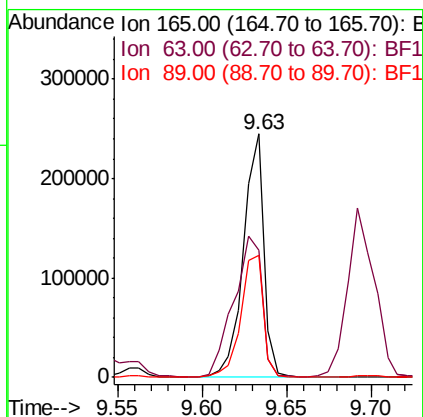
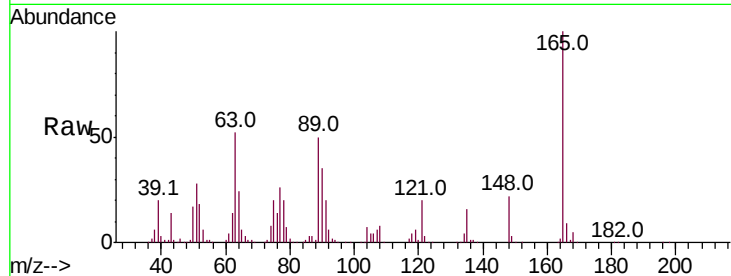
#51
2,6-Dinitrotoluene
Concen: 35.904 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	52.0	50.2	75.4
89	50.4	46.6	69.8

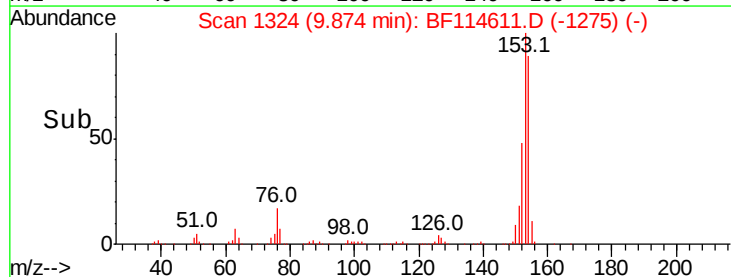
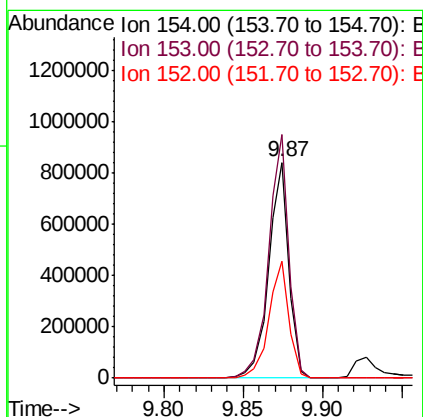
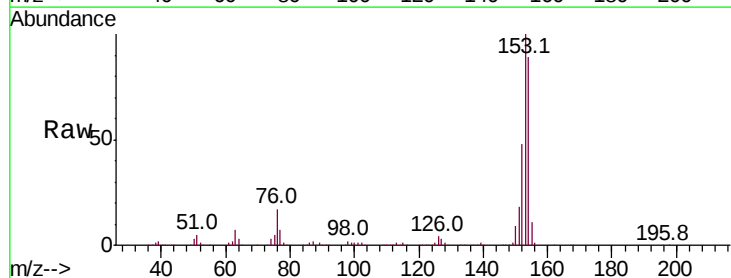
Manual Integrations
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#52
Acenaphthene
Concen: 34.728 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.9	90.5	135.7
152	54.1	43.4	65.2





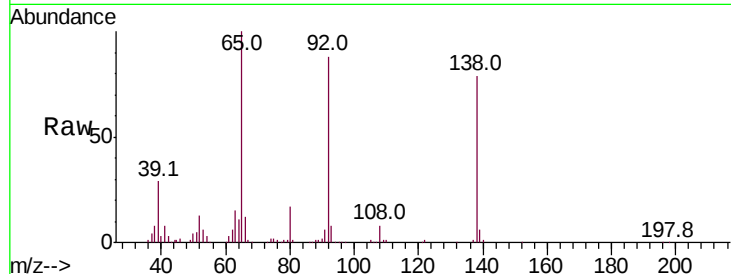
#53
3-Nitroaniline
Concen: 21.844 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleID :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.8	11.6
92	111.1	91.2	136.8

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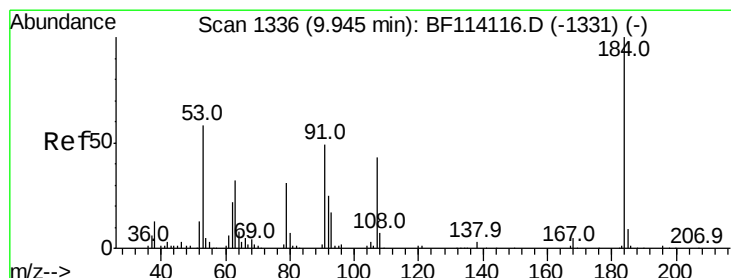
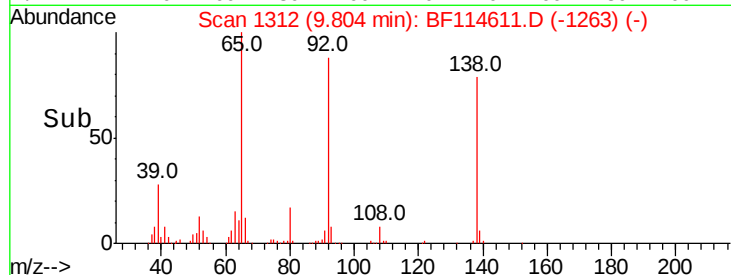
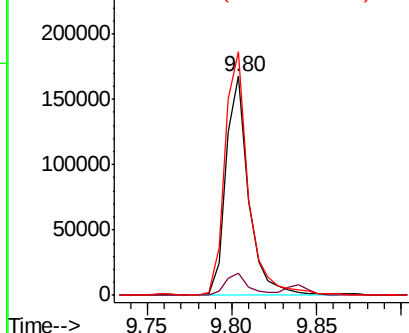


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 62.043 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

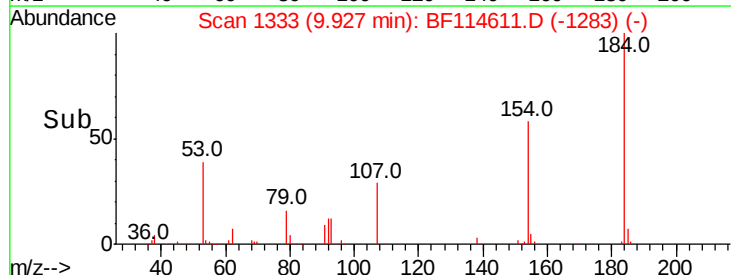
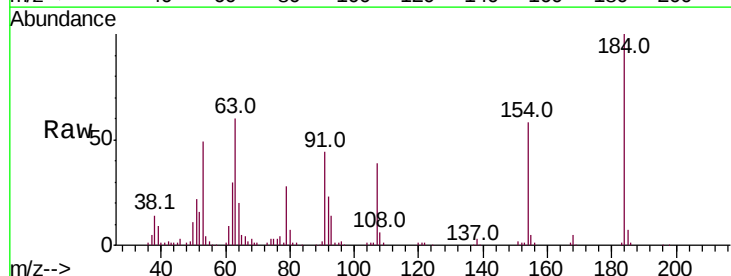
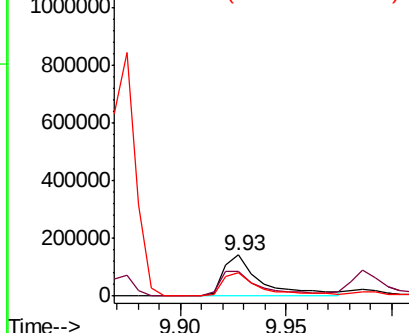
Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.1	55.6	83.4
154	58.0	46.0	69.0

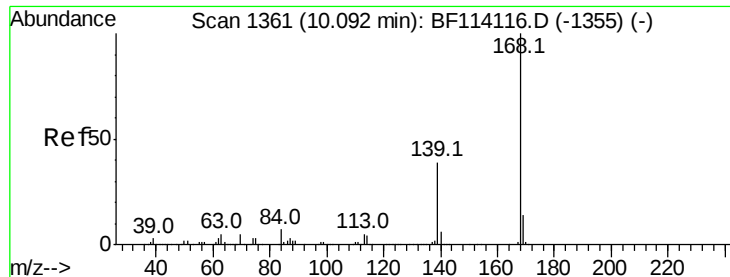
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





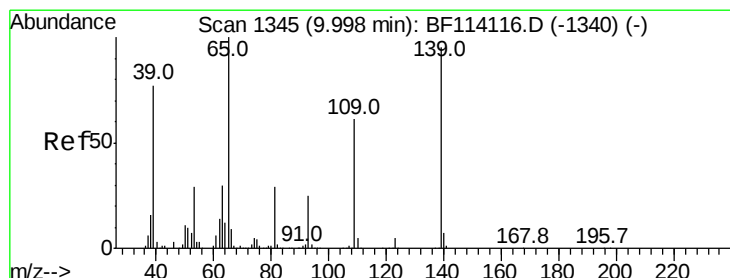
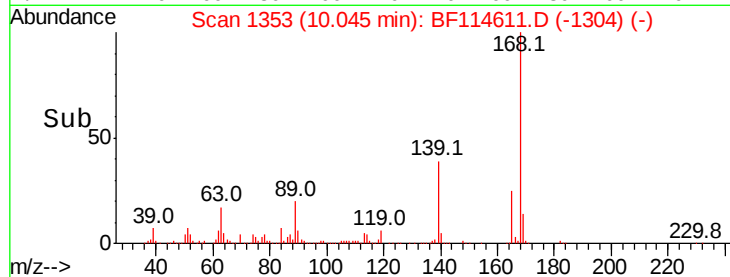
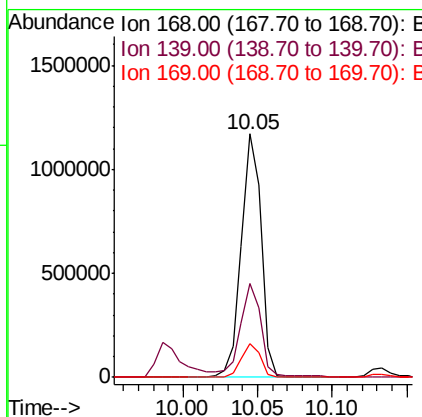
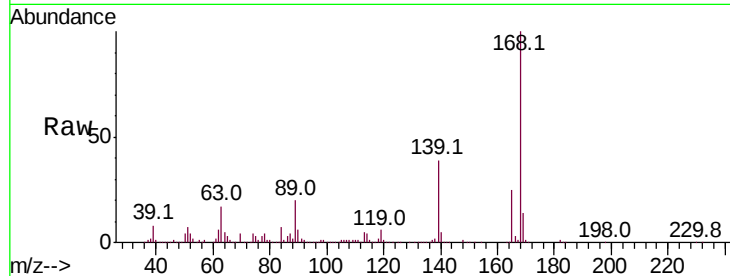
#55
Dibenzofuran
Concen: 34.190 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.1	46.7
169	14.1	11.4	17.0

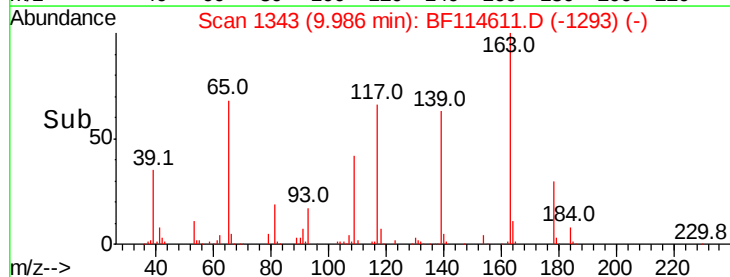
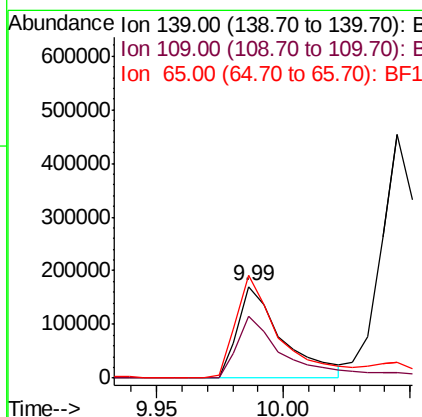
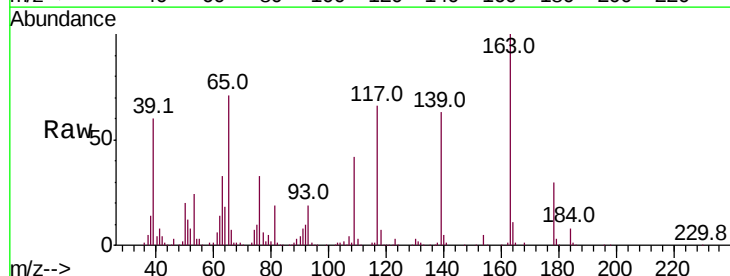
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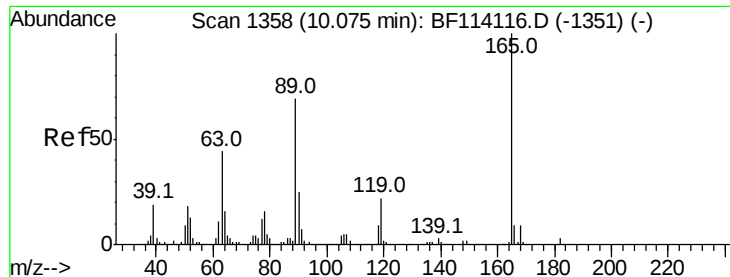
mohammad
5/27/2019 3:50:05 AM



#56
4-Nitrophenol
Concen: 41.262 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.1	43.9	83.9
65	112.1	85.7	125.7





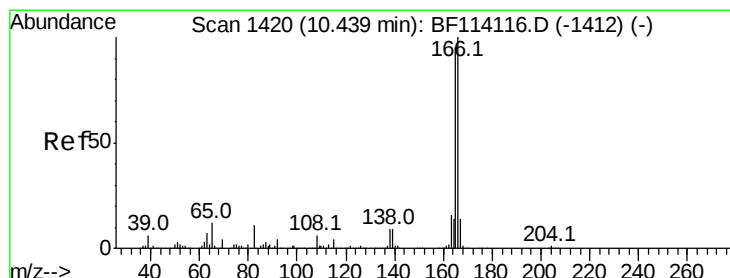
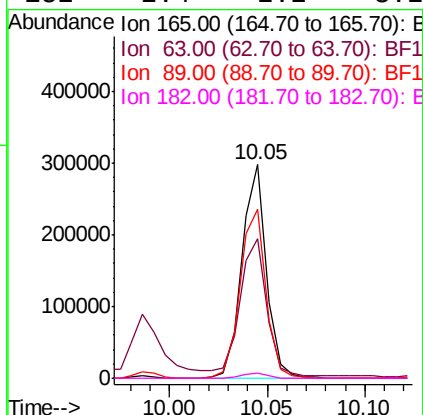
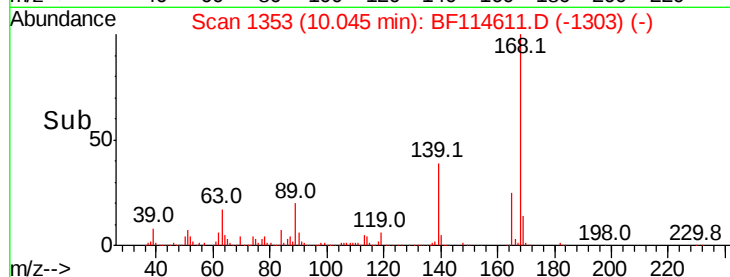
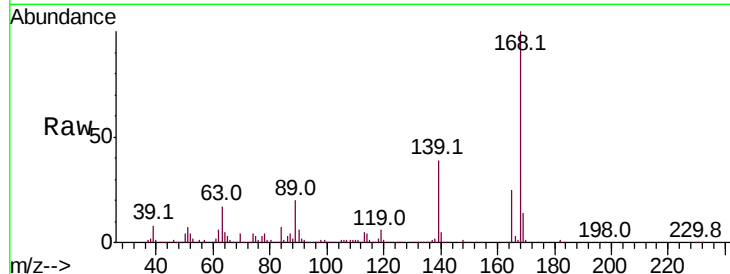
#57
 2,4-Dinitrotoluene
 Concen: 32.773 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	258457		
63	65.5	35.5	53.3#	
89	78.9	55.2	82.8	
182	2.4	2.2	3.2	

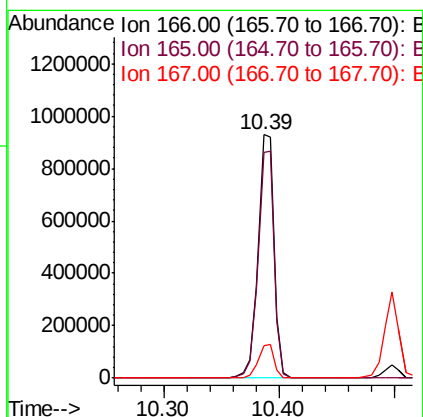
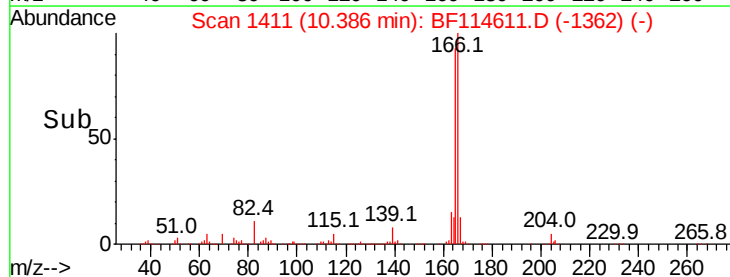
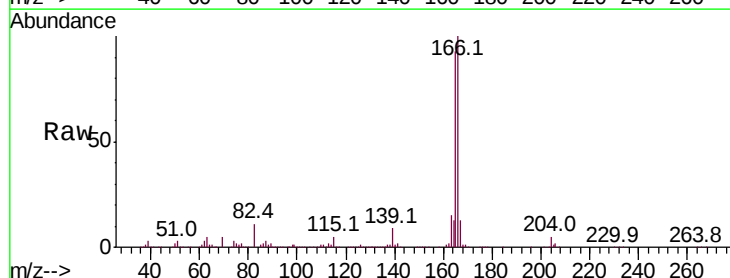
Manual Integrations
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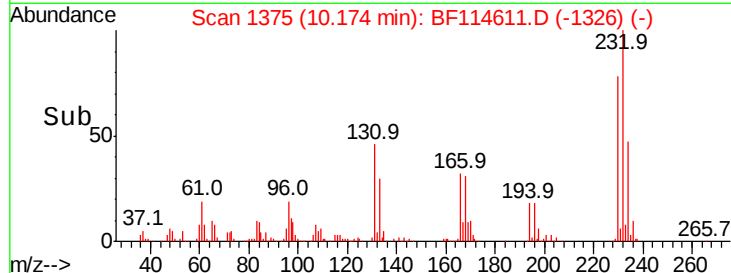
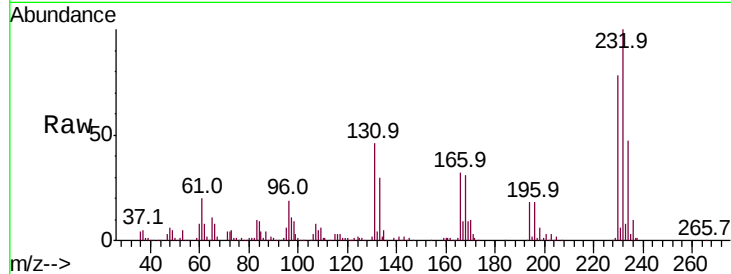
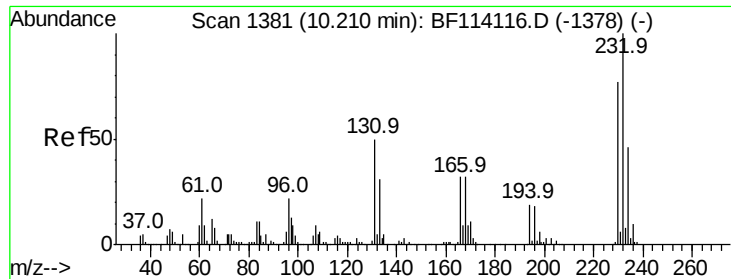
mohammad
 5/27/2019 3:50:05 AM



#58
 Fluorene
 Concen: 36.795 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	902421		
165	92.6	76.1	114.1	
167	13.4	11.1	16.7	





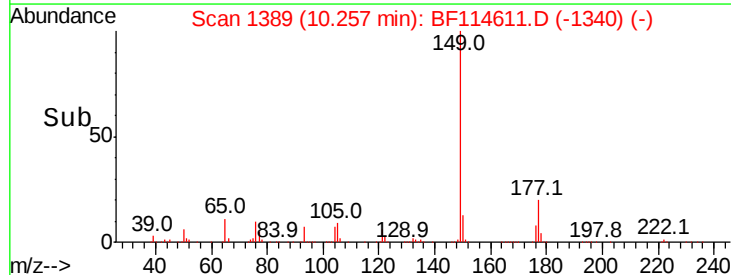
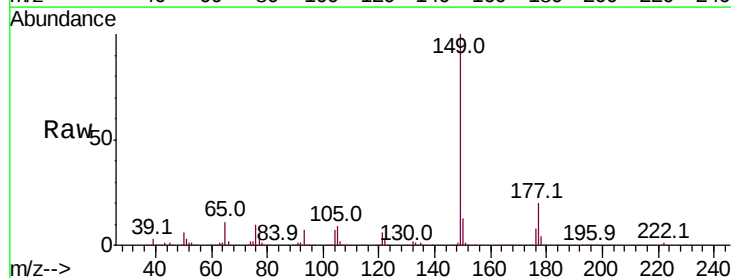
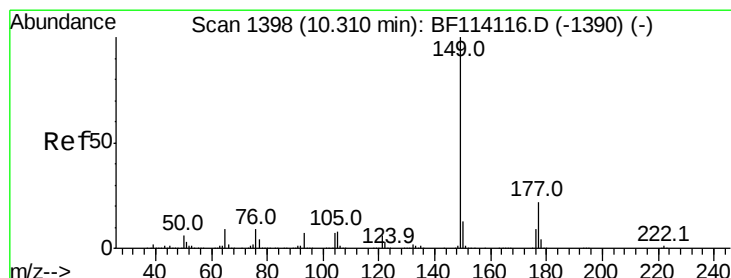
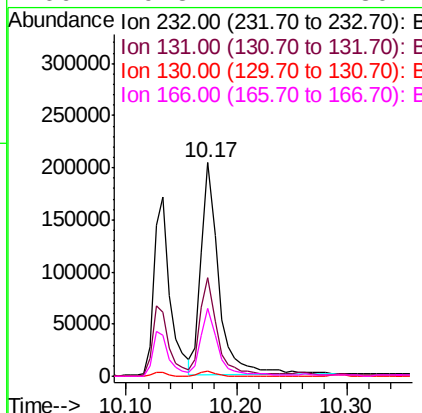
#59
2,3,4,6-Tetrachlorophenol
Concen: 33.487 ng
RT: 10.17 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	220319		
131	43.2		35.6	53.4
130	2.3		1.6	2.4
166	29.8		24.1	36.1

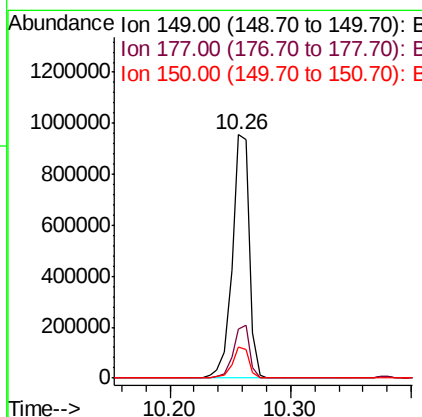
Manual Integrations
APPROVED

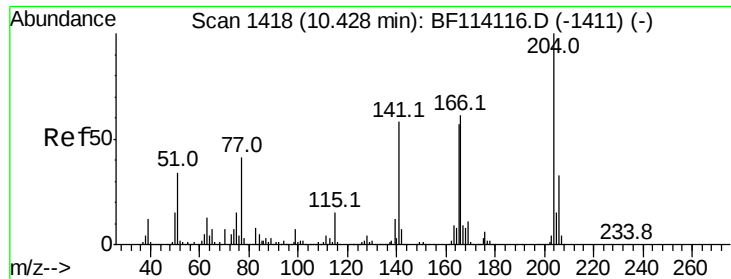
mohammad
5/27/2019 3:50:05 AM



#60
Diethylphthalate
Concen: 35.333 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	940446		
177	20.4		17.8	26.6
150	12.9		10.2	15.2





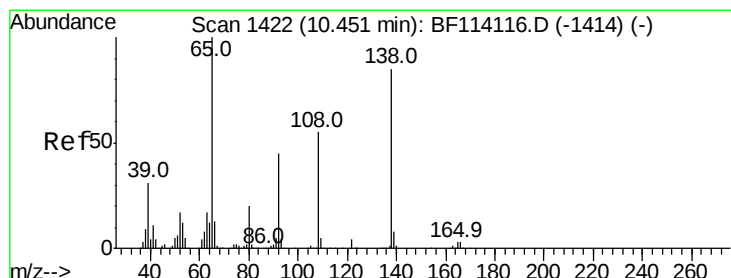
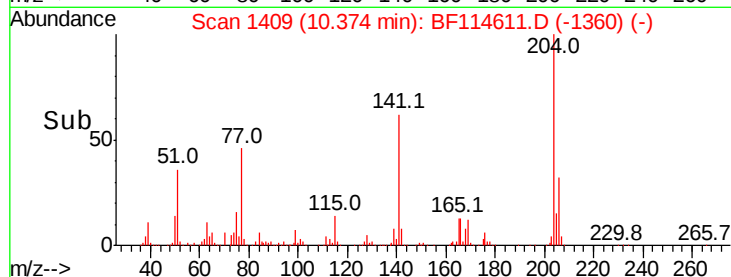
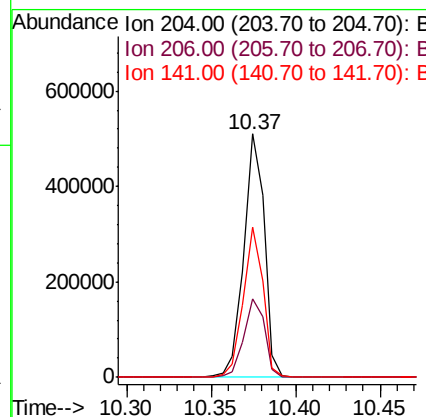
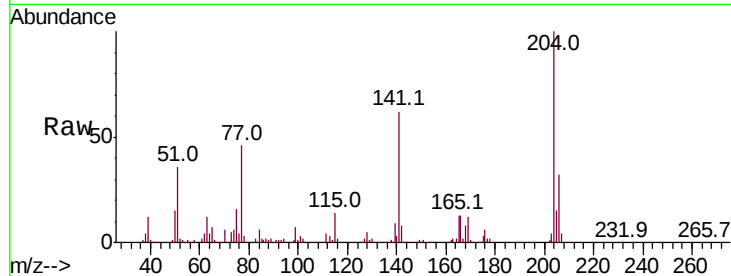
#61
4-Chlorophenyl-phenylether
Concen: 35.795 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.6	39.8
141	61.8	46.4	69.6

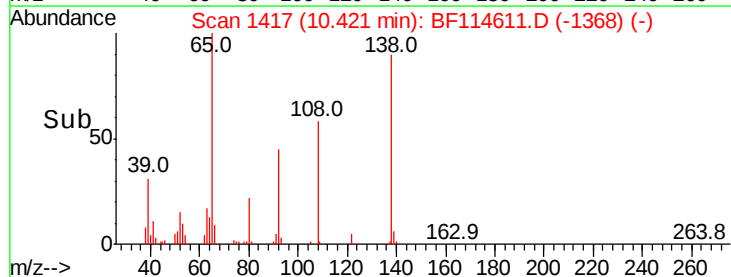
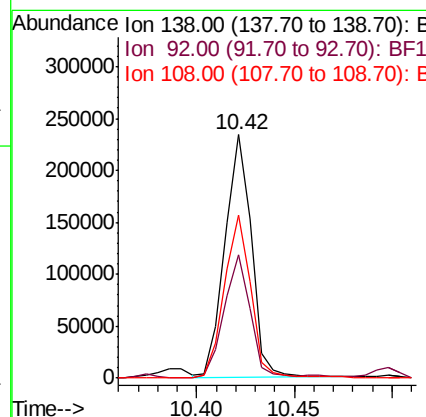
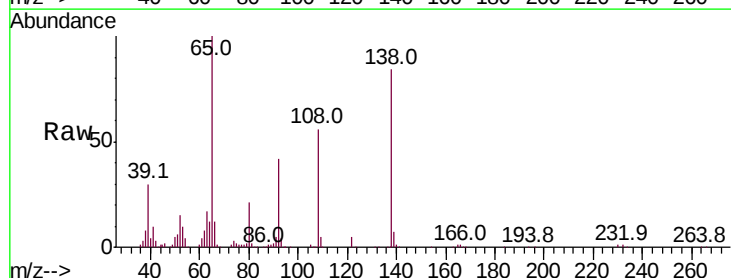
Manual Integrations
APPROVED

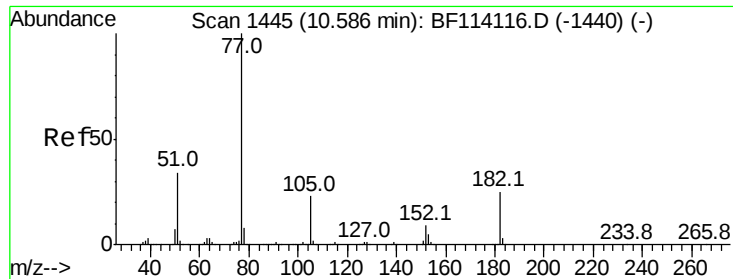
mohammad
5/27/2019 3:50:05 AM



#62
4-Nitroaniline
Concen: 29.239 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.4	33.0	73.0
108	66.8	44.9	84.9





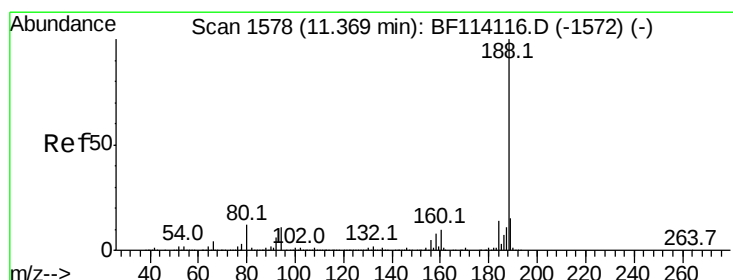
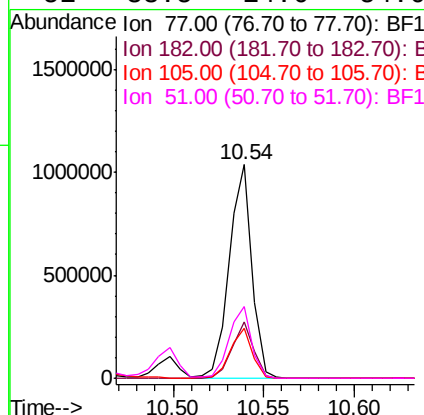
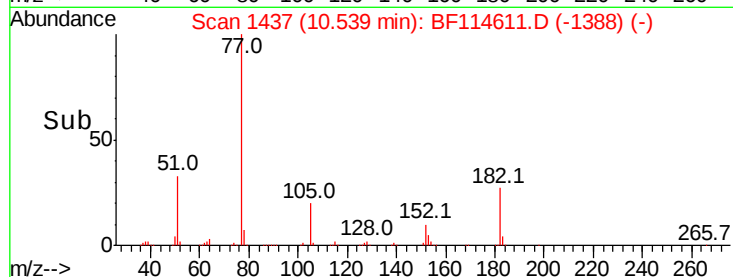
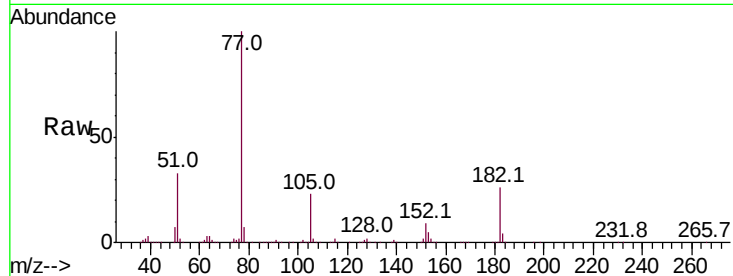
#63
Azobenzene
Concen: 34.923 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		899748		
182	26.1	4.7	44.7		
105	23.3	2.9	42.9		
51	33.5	14.6	54.6		

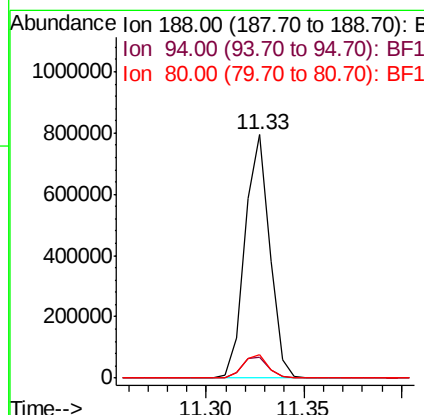
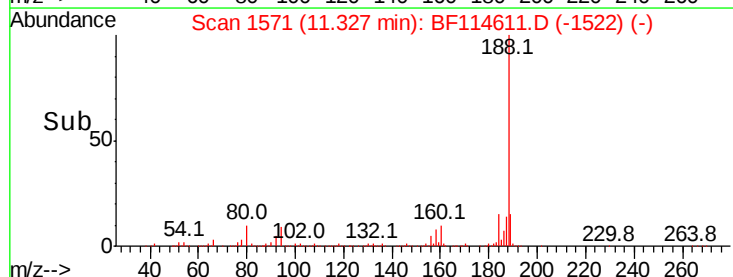
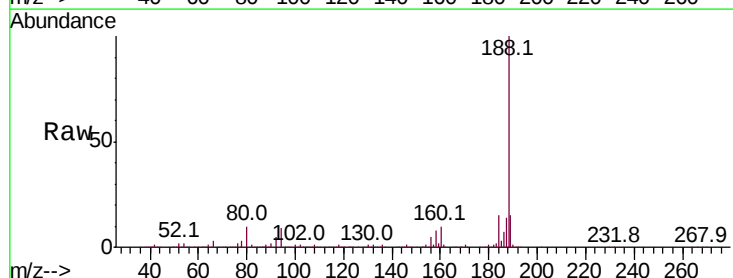
Manual Integrations
APPROVED

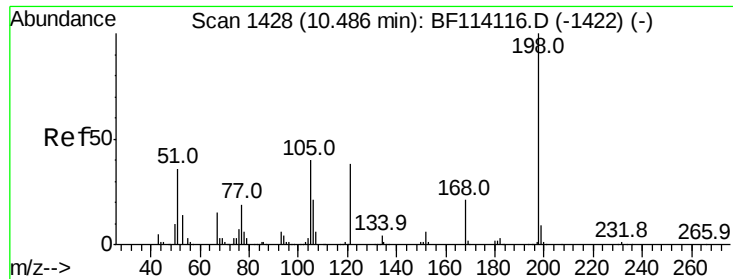
mohammad
5/27/2019 3:50:05 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		698230		
94	8.6	8.4	12.6		
80	9.7	9.2	13.8		





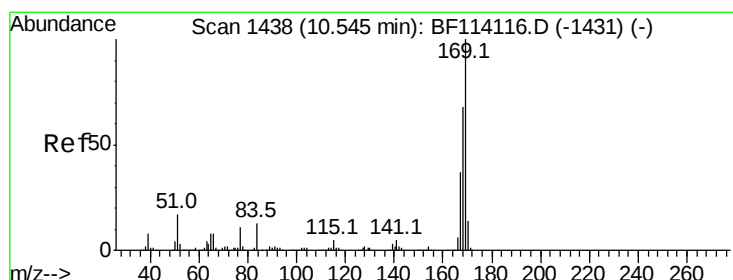
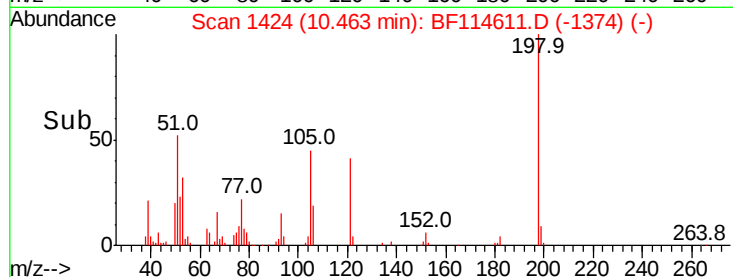
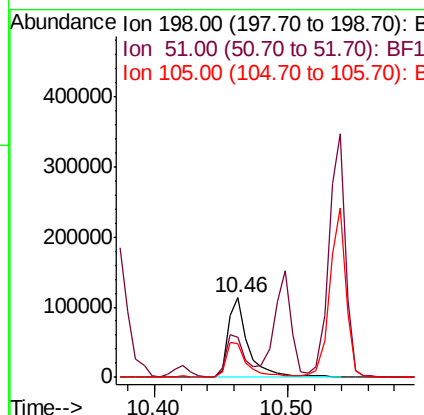
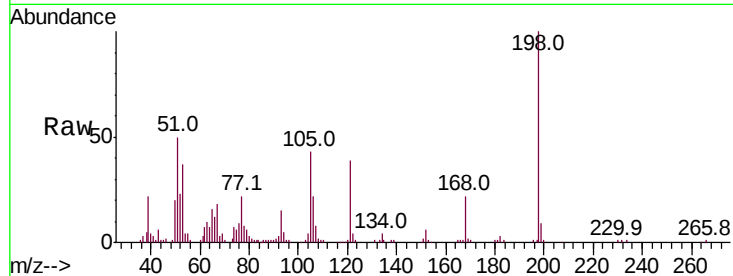
#65
4,6-Dinitro-2-methylphenol
Concen: 36.046 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	120936		
51	50.2	28.0	68.0	
105	42.6	21.1	61.1	

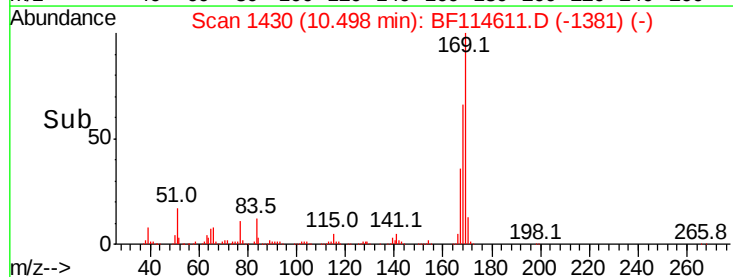
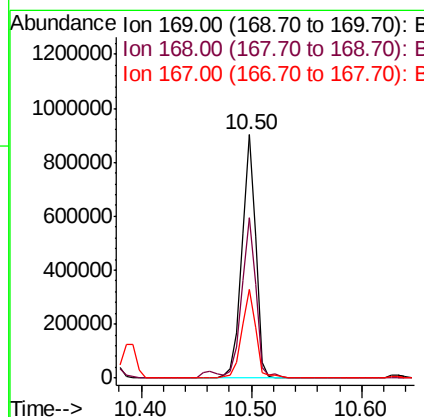
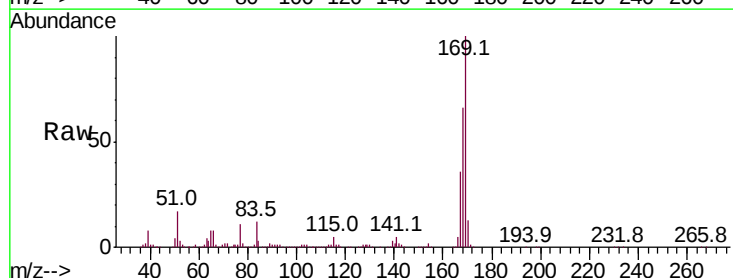
Manual Integrations
APPROVED

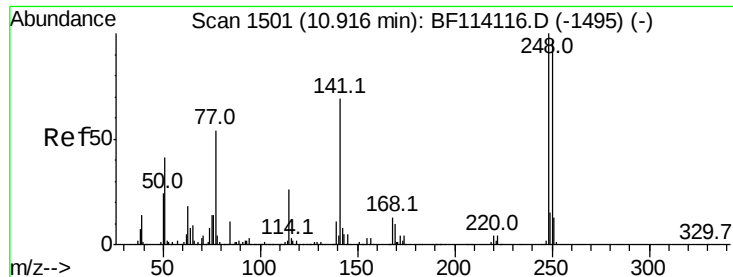
mohammad
5/27/2019 3:50:05 AM



#66
n-Nitrosodiphenylamine
Concen: 37.705 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	799013		
168	66.1	54.2	81.2	
167	36.4	29.8	44.8	





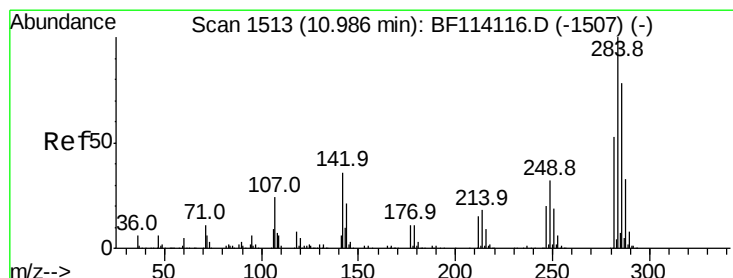
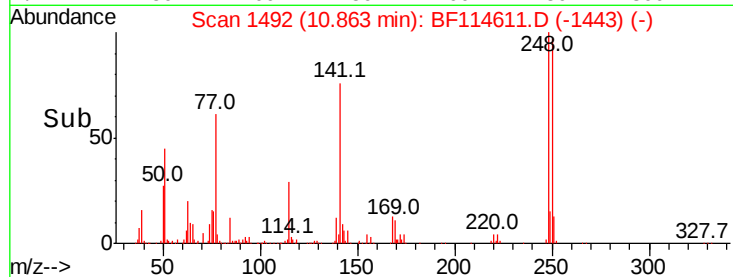
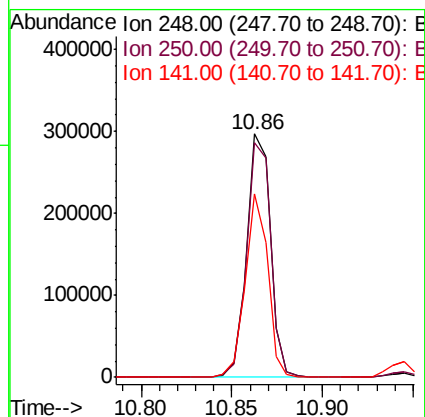
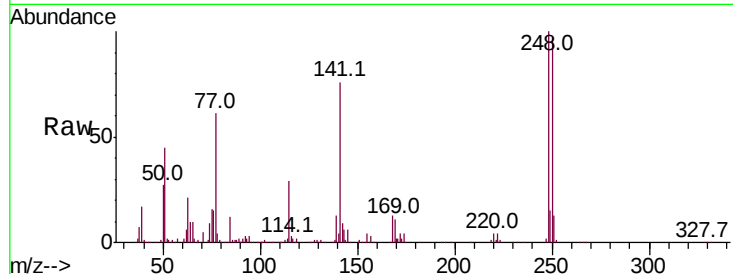
#67
4-Bromophenyl-phenylether
Concen: 35.288 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.4	116.2
141	75.6	55.6	83.4

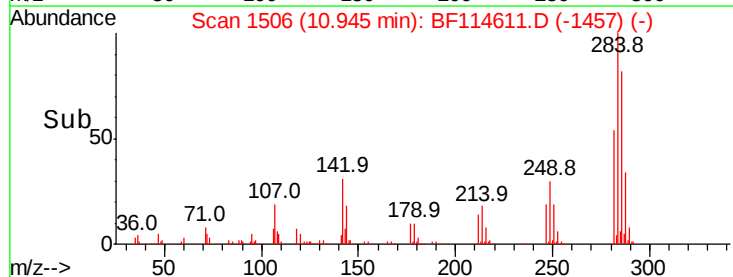
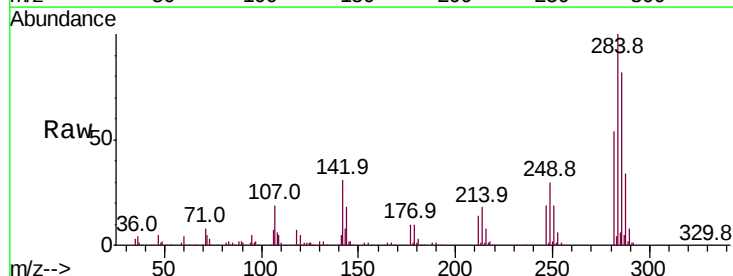
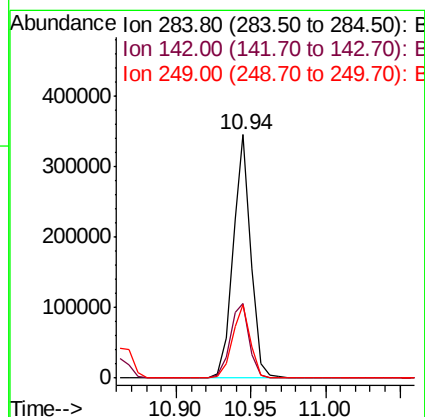
Manual Integrations
APPROVED

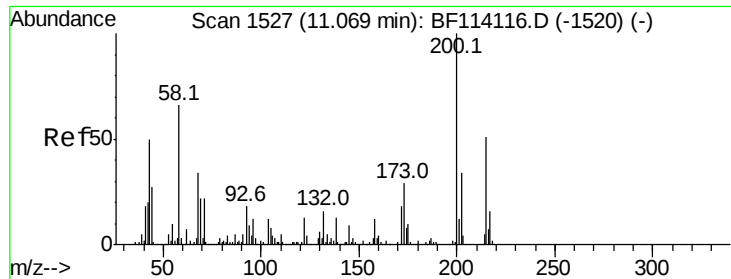
mohammad
5/27/2019 3:50:05 AM



#68
Hexachlorobenzene
Concen: 34.040 ng
RT: 10.94 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.9	28.4	42.6
249	30.0	25.2	37.8





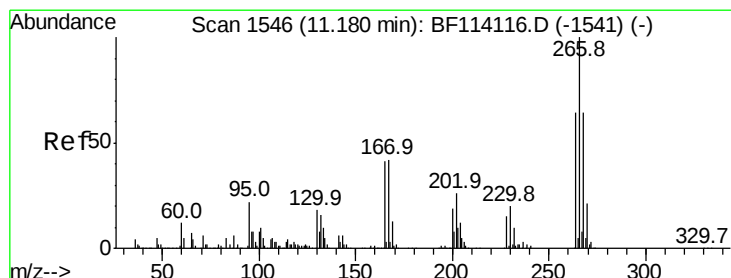
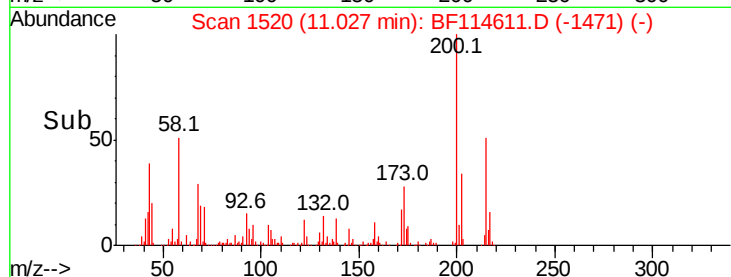
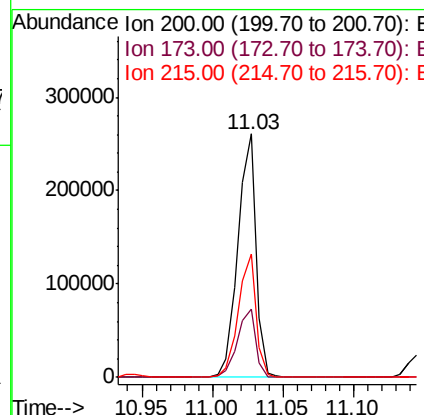
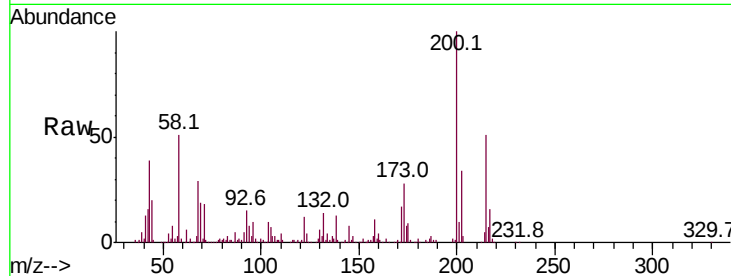
#69
Atrazine
Concen: 35.431 ng
RT: 11.03 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.0	8.9	48.9
215	50.5	30.7	70.7

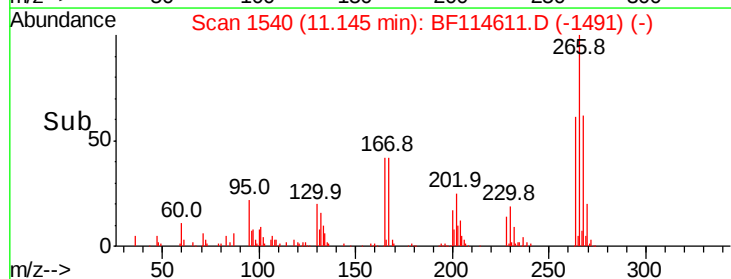
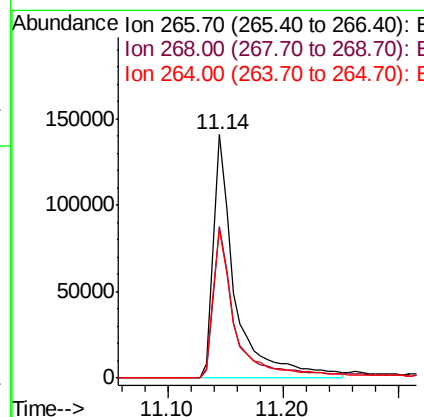
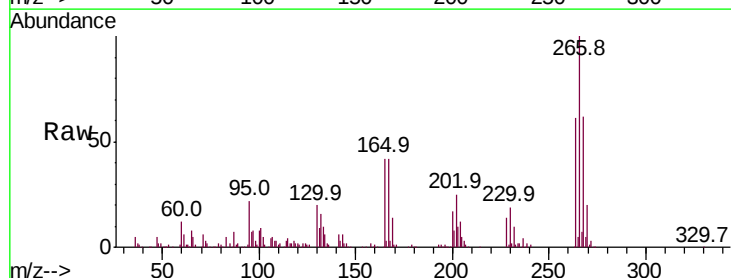
Manual Integrations
APPROVED

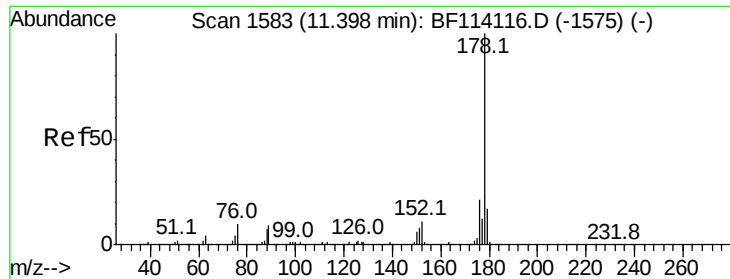
mohammad
5/27/2019 3:50:05 AM



#70
Pentachlorophenol
Concen: 45.551 ng
RT: 11.14 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.4	51.1	76.7
264	61.3	51.1	76.7





#71

Phenanthrene

Concen: 36.736 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

ClientSampleId :

PB119943BSD

Tot Ion:178 Resp: 1247899

Ion Ratio Lower Upper

178 100

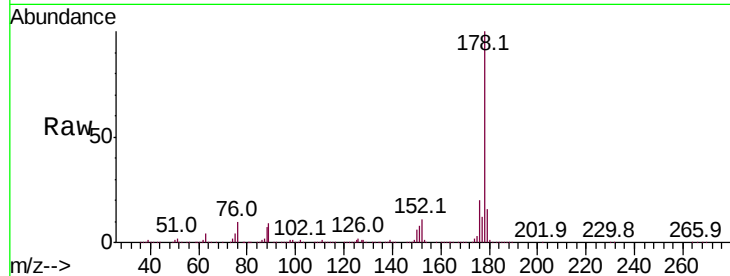
176 19.8 16.4 24.6

179 16.2 13.2 19.8

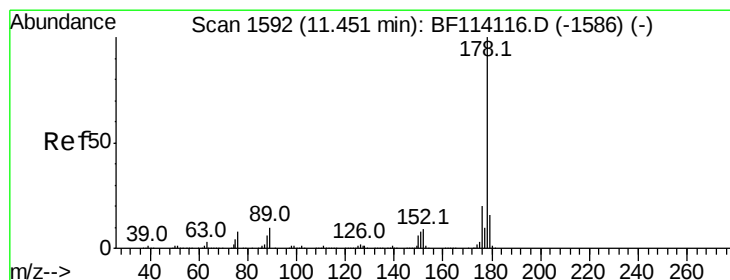
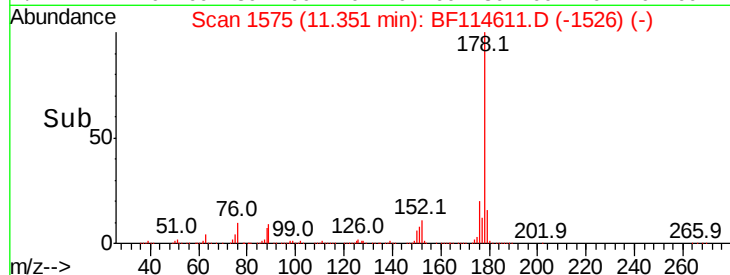
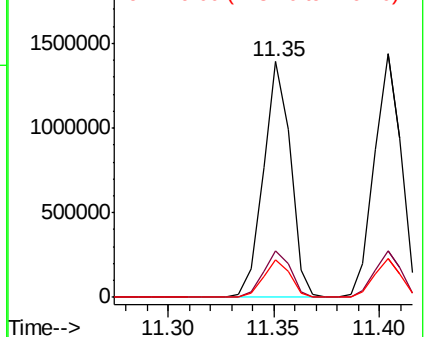
Manual Integrations
APPROVED

mohammad

5/27/2019 3:50:05 AM



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: 38.004 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion:178 Resp: 1296694

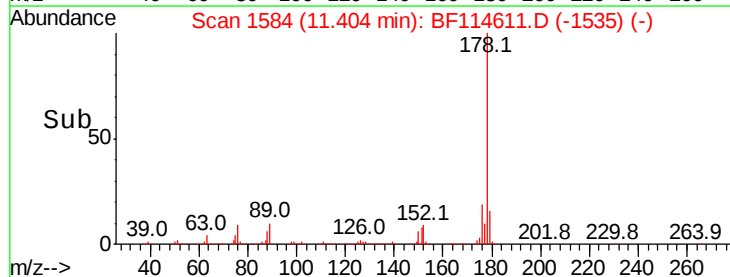
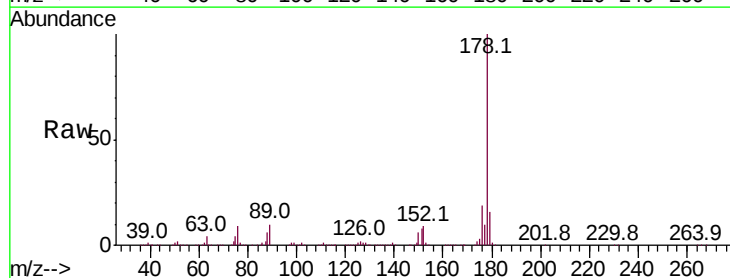
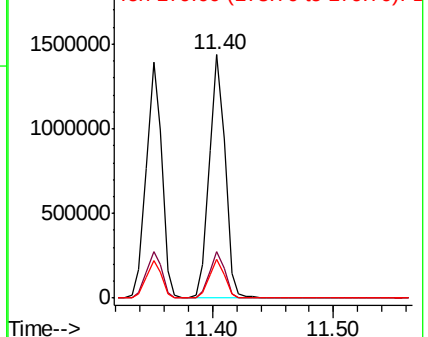
Ion Ratio Lower Upper

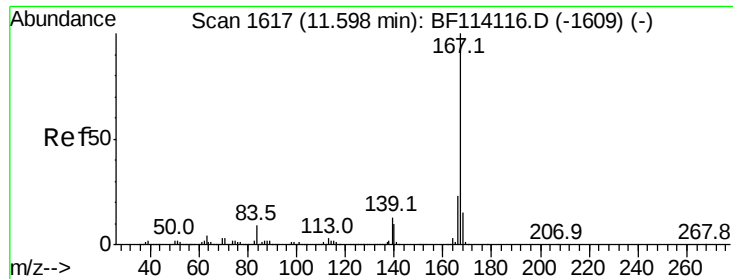
178 100

176 19.0 15.8 23.8

179 16.1 13.0 19.4

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





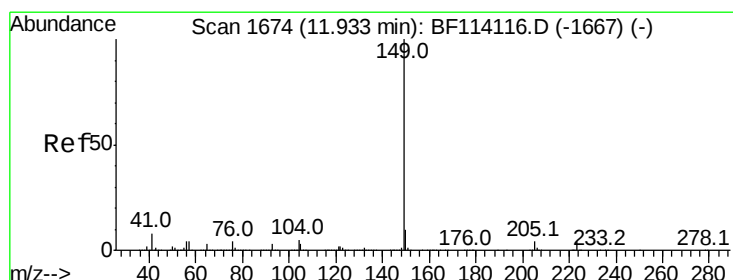
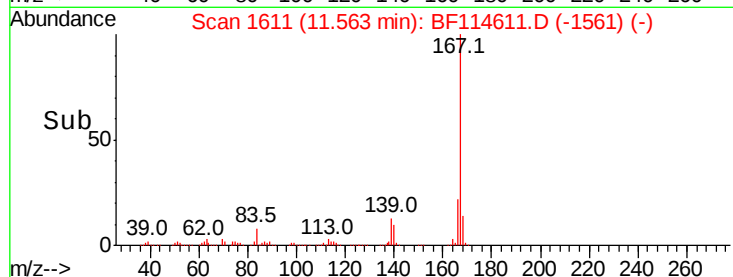
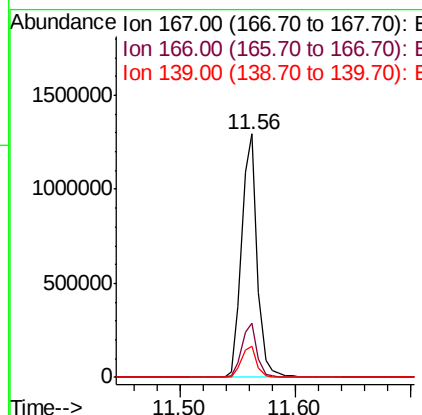
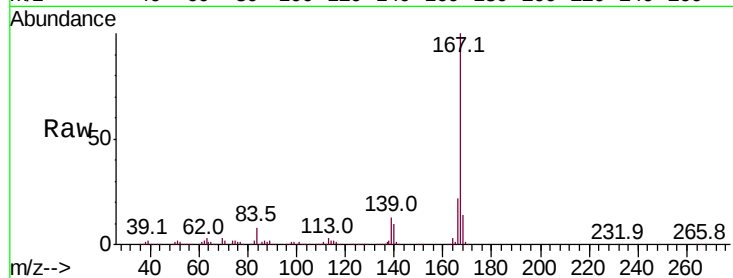
#73
 Carbazole
 Concen: 37.282 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.2	27.2
139	13.0	10.6	16.0

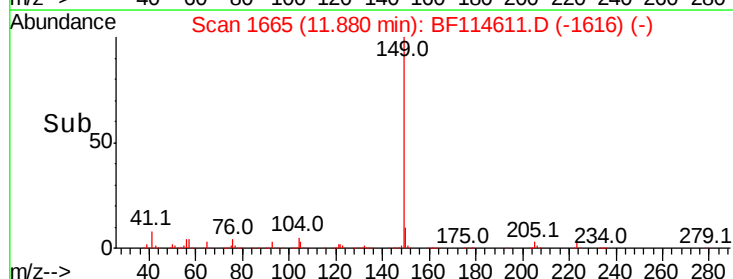
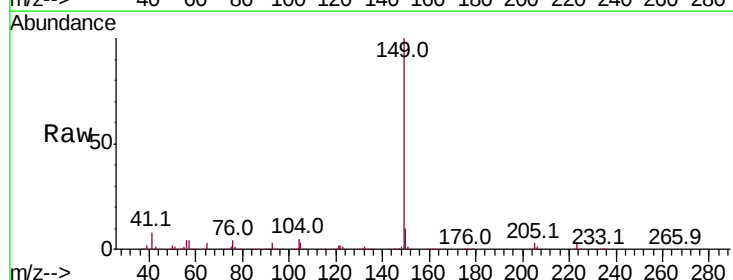
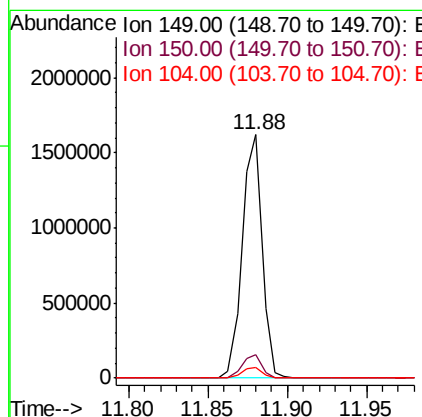
Manual Integrations
 APPROVED

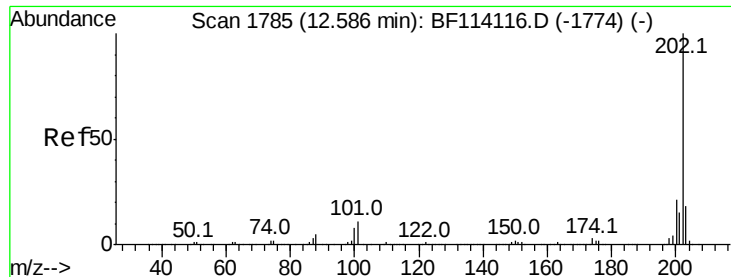
mohammad
 5/27/2019 3:50:05 AM



#74
 Di-n-butylphthalate
 Concen: 37.598 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	4.6	3.6	5.4





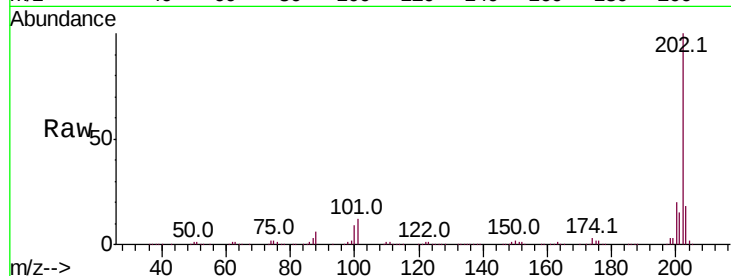
#75
 Fluoranthene
 Concen: 36.283 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

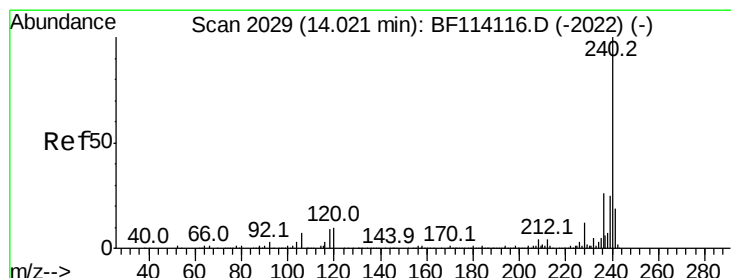
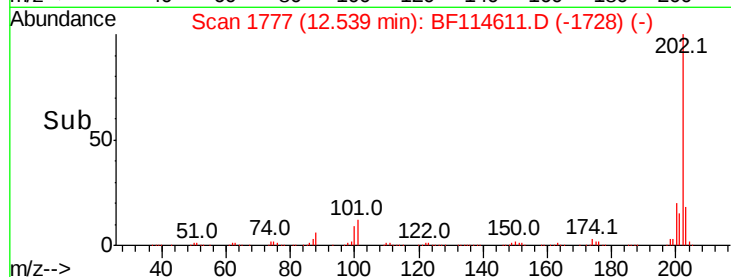
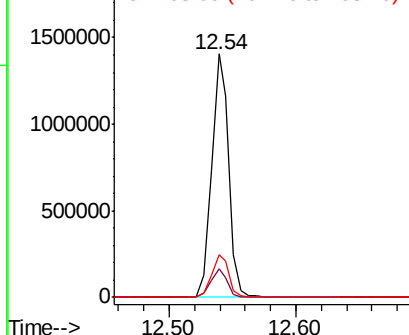
Tot Ion	Ratio	Resp	Lower	Upper
202	100	1327259		
101	11.9		0.0	31.0
203	17.5		0.0	38.4

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mohammad
 5/27/2019 3:50:05 AM

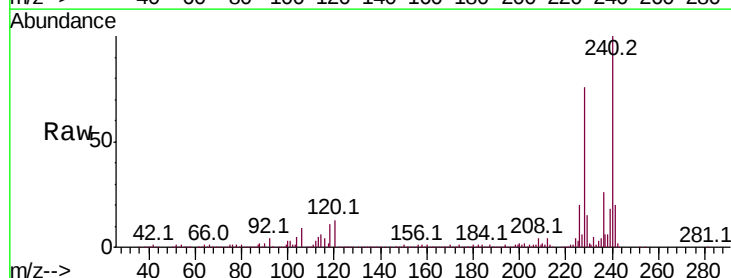


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

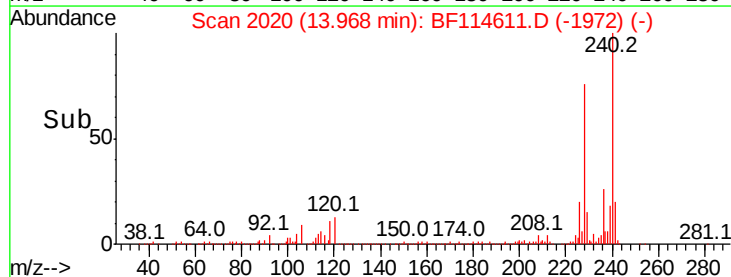
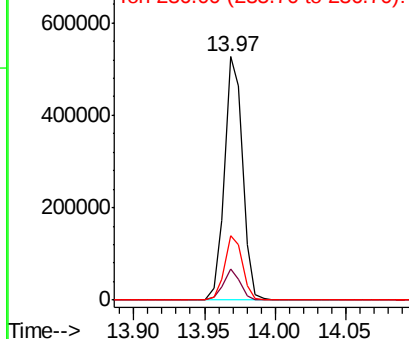


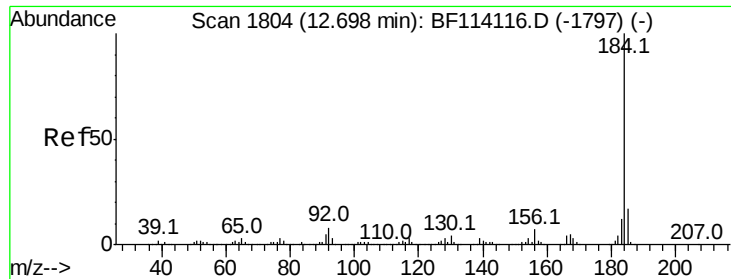
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	469320		
120	12.7		8.3	12.5#
236	26.3		20.8	31.2



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: 30.930 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

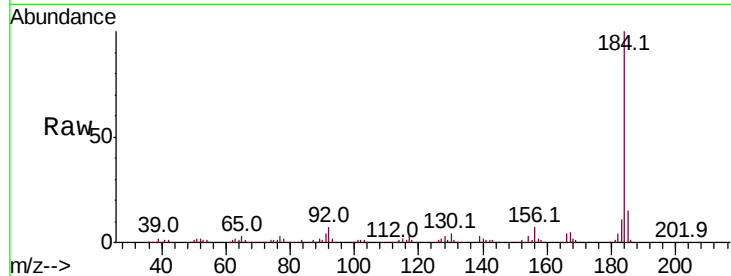
ClientSampleId :

PB119943BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	651605		
185	14.7		13.6	20.4
183	11.4		9.2	13.8

Manual Integrations
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mohammad
5/27/2019 3:50:05 AM

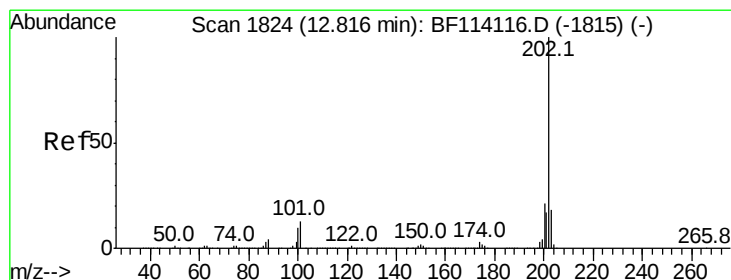
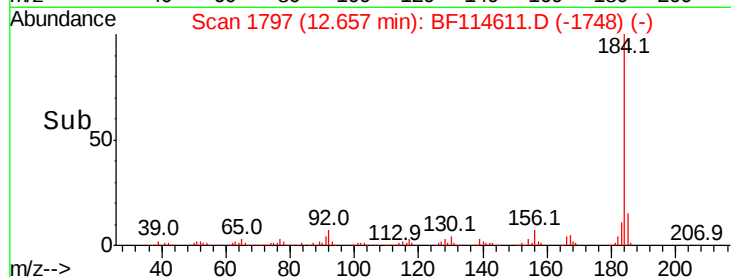
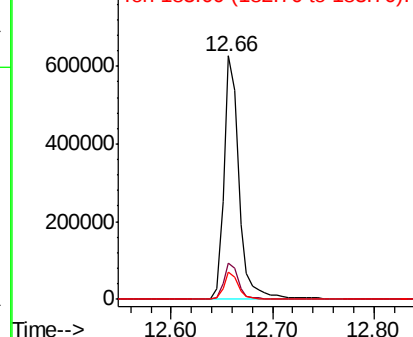


Abundance

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: 35.203 ng

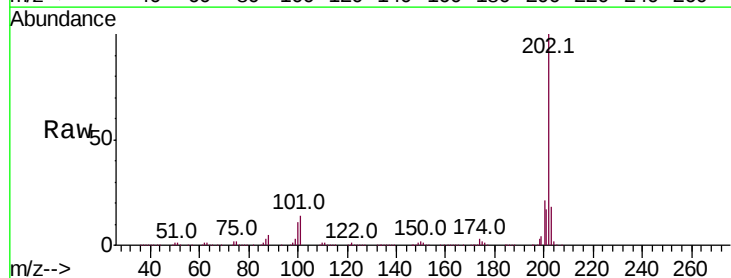
RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1329080		
200	21.0		16.9	25.3
203	18.3		14.5	21.7

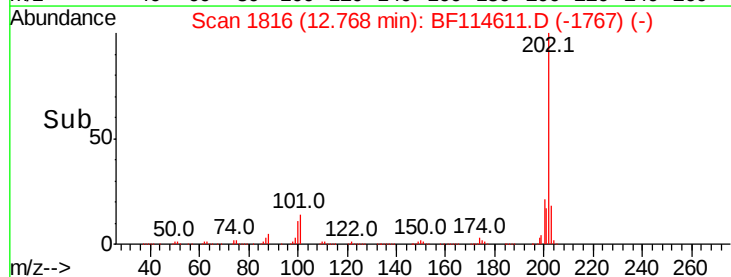
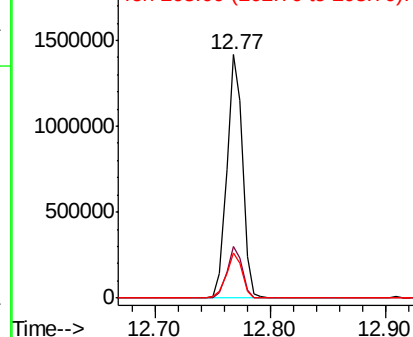


Abundance

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





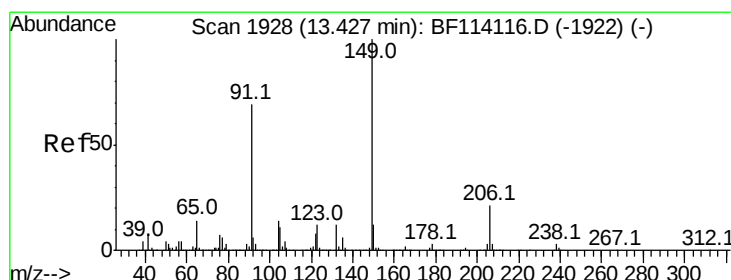
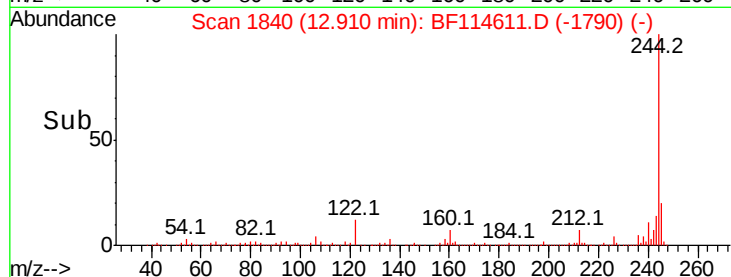
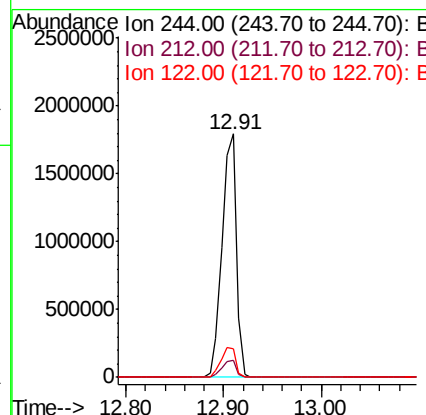
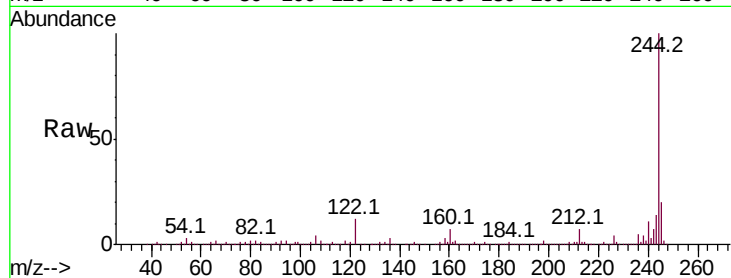
#79
 Terphenyl-d14
 Concen: 80.678 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	11.6	9.4	14.2

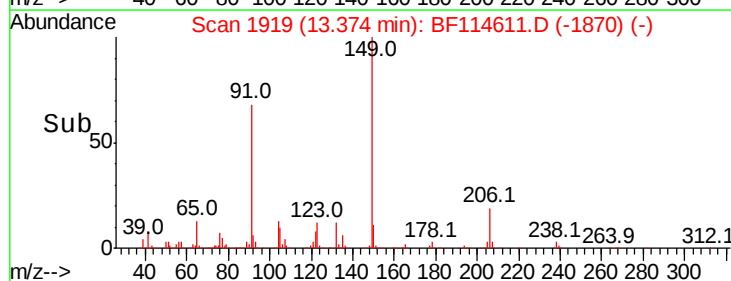
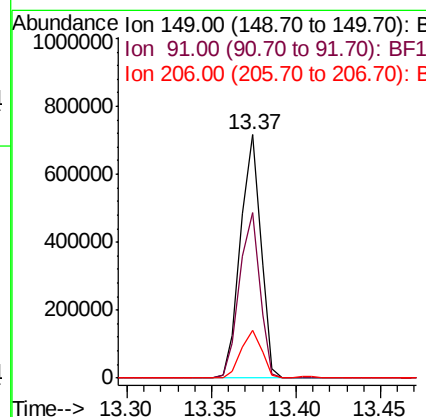
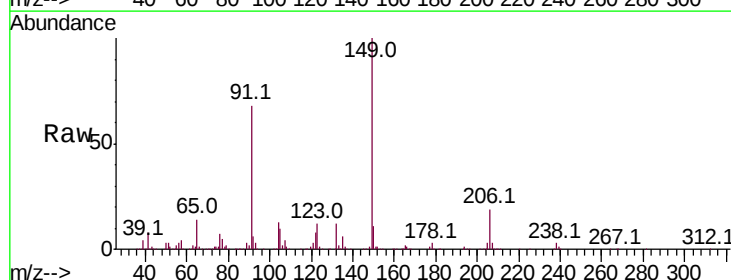
Manual Integrations
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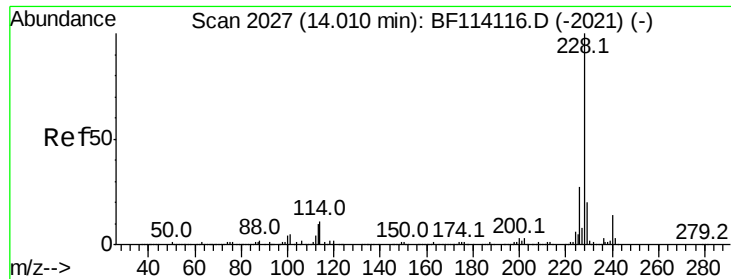
mohammad
 5/27/2019 3:50:05 AM



#80
 Butylbenzylphthalate
 Concen: 37.922 ng
 RT: 13.37 min Scan# 1919
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.0	55.0	82.4
206	19.4	16.9	25.3





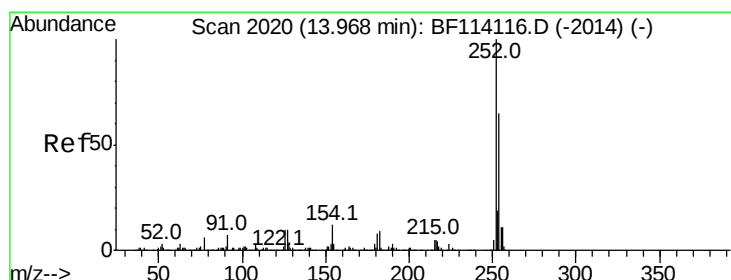
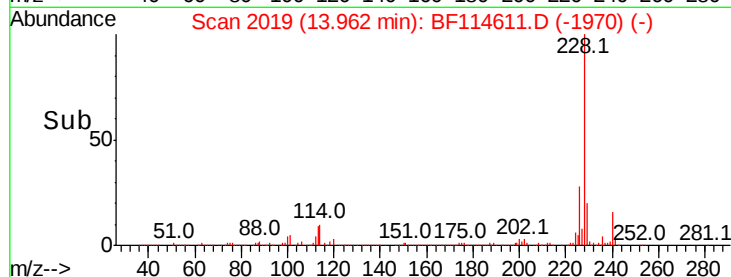
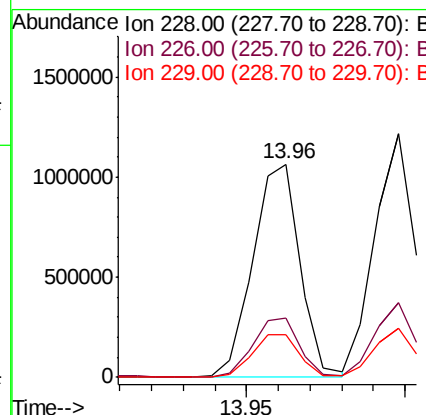
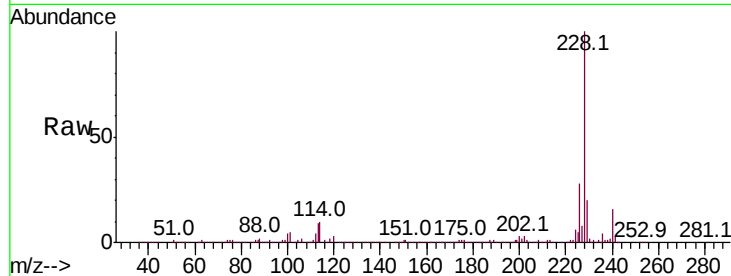
#81
Benzo(a)anthracene
Concen: 36.063 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	20.3	16.4	24.6

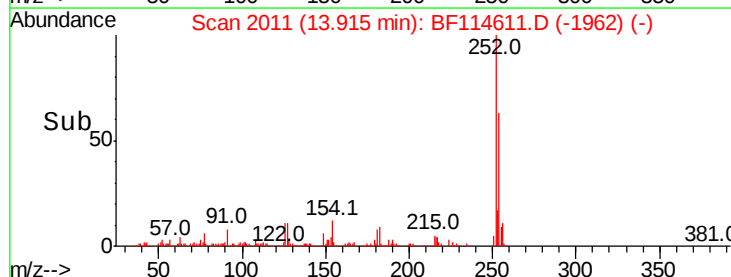
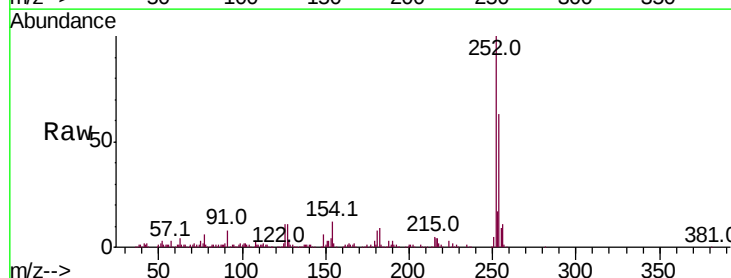
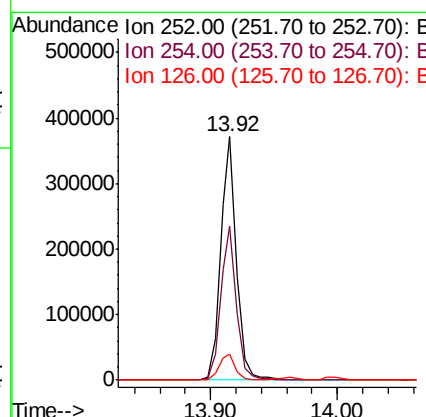
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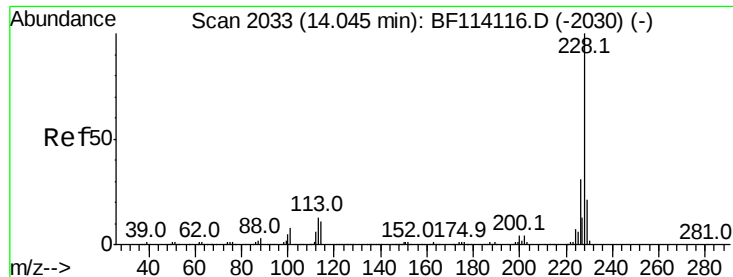
mohammad
5/27/2019 3:50:05 AM



#82
3,3'-Dichlorobenzidine
Concen: 27.619 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.1	51.9	77.9
126	10.6	7.9	11.9





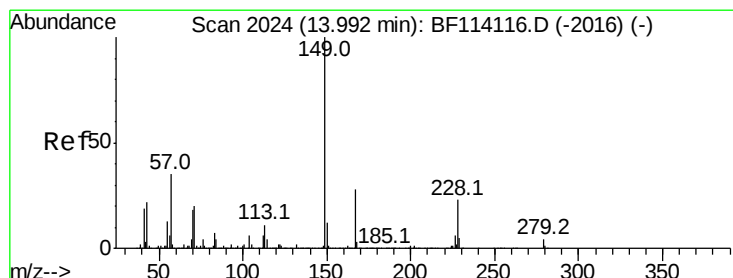
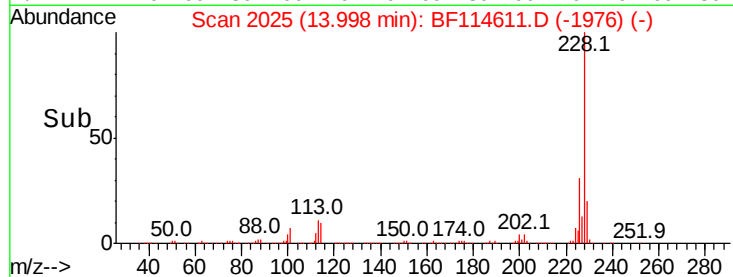
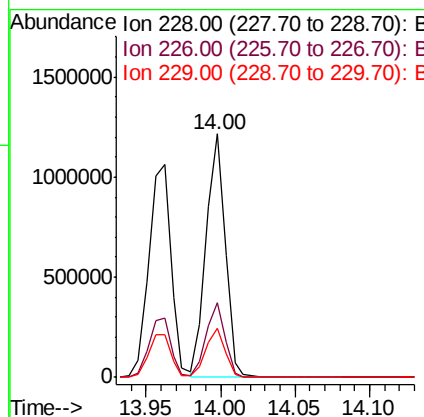
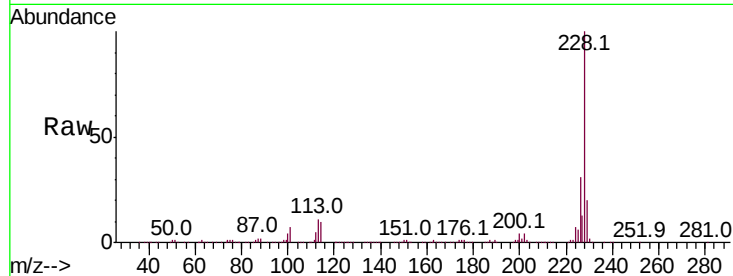
#83
 Chrvsene
 Concen: 36.062 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	20.3	17.0	25.6

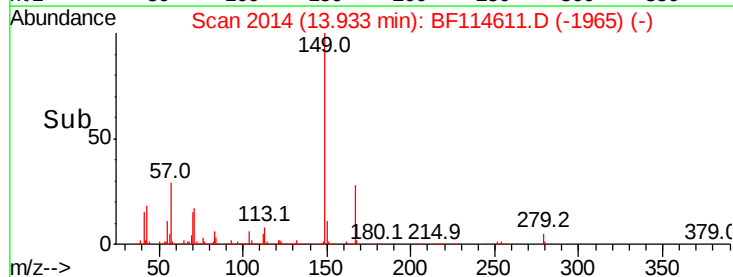
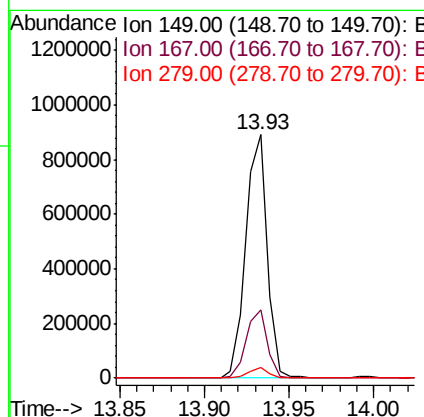
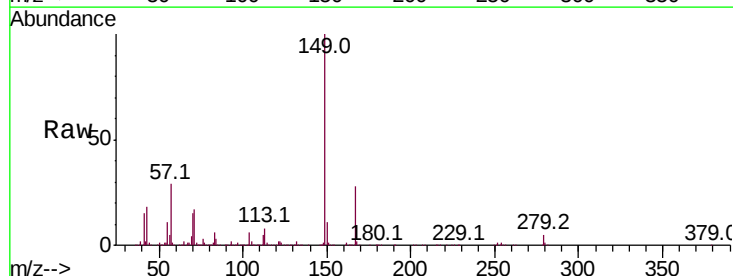
Manual Integrations
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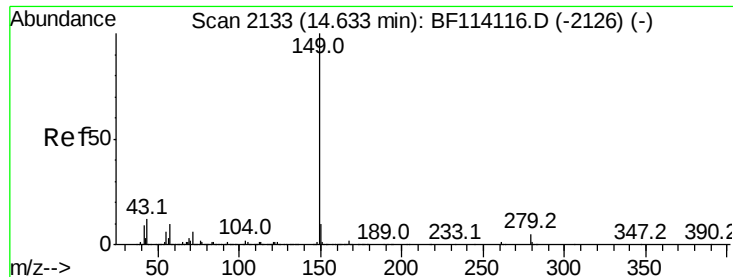
mohammad
 5/27/2019 3:50:05 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 38.093 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.6	33.8
279	4.5	3.0	4.6





#85

Di-n-octyl phthalate

Concen: 39.589 ng

RT: 14.54 min Scan# 2117

Delta R.T. -0.02 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

Instrument :

BNA_F

ClientSampleId :

PB119943BSD

Tot Ion:149 Resp: 1333802

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

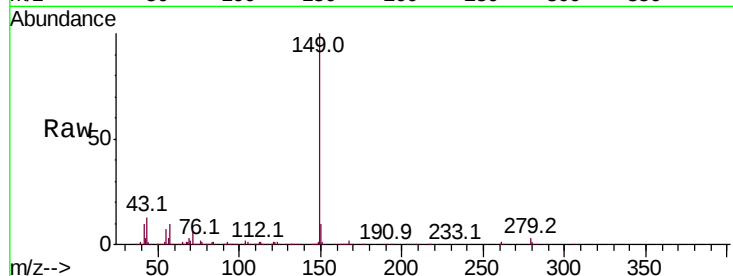
43 11.6 10.1 15.1

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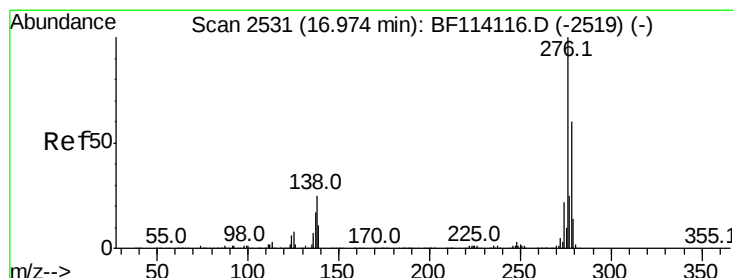
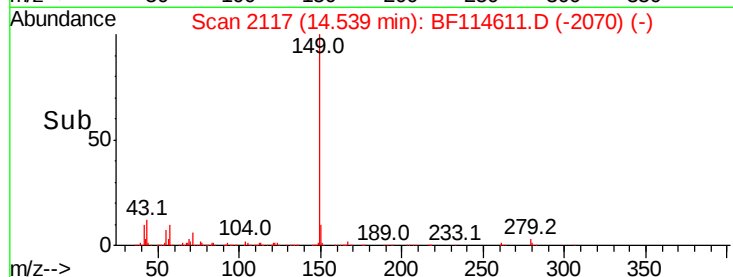
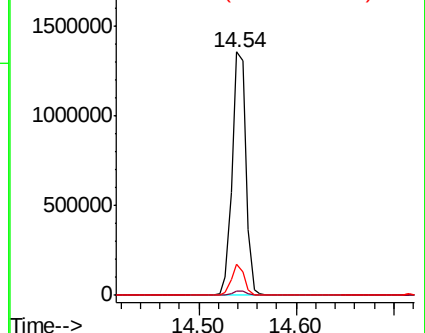
5/27/2019 3:50:05 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.917 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.03 min

Lab File: BF114611.D

Acq: 25 May 2019 18:31

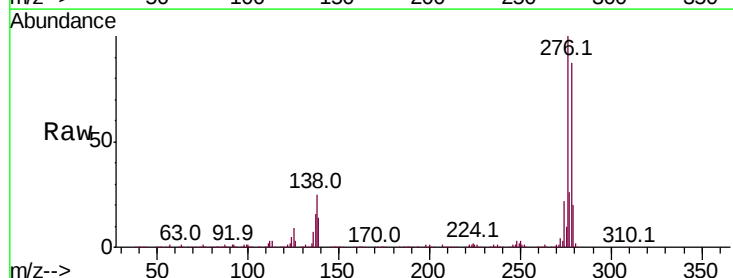
Tgt Ion:276 Resp: 1049758

Ion Ratio Lower Upper

276 100

138 24.7 20.2 30.2

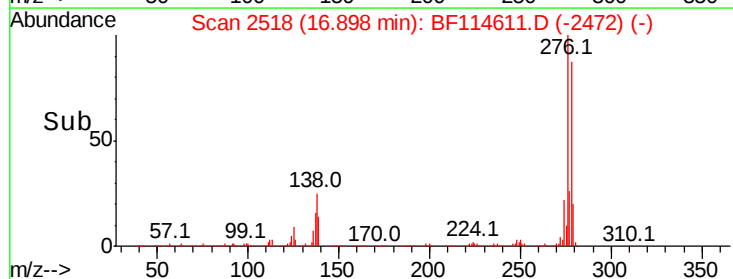
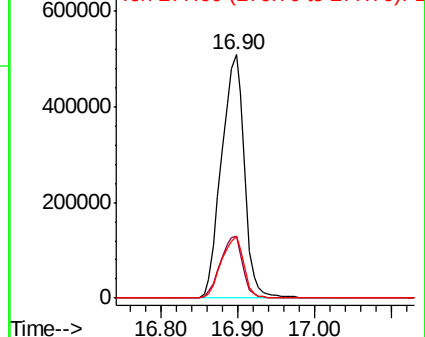
277 24.9 20.0 30.0

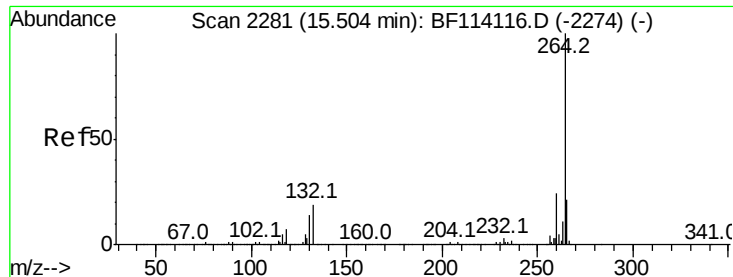


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





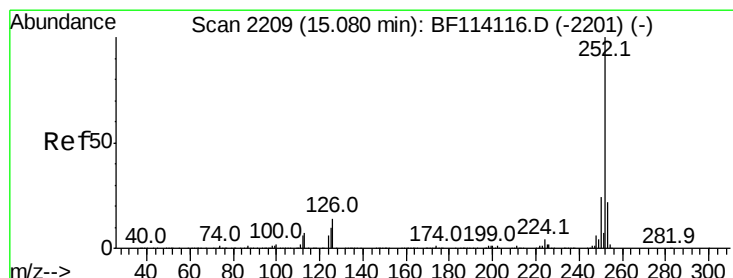
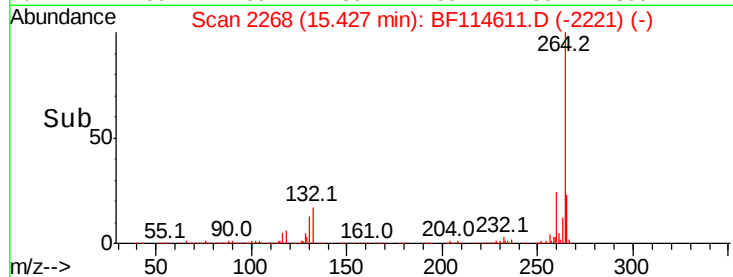
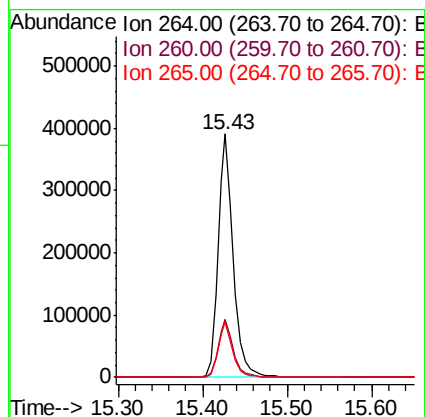
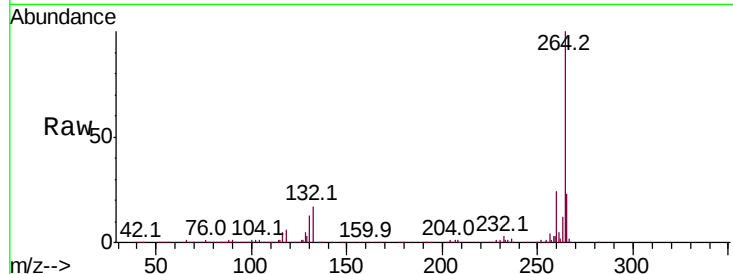
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :
 PB119943BSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	22.6	16.9	25.3

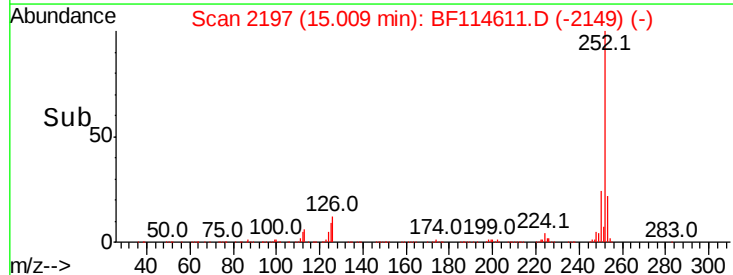
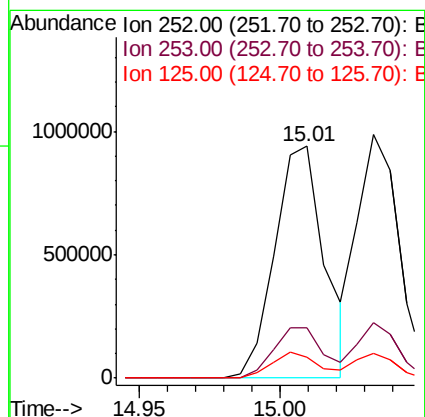
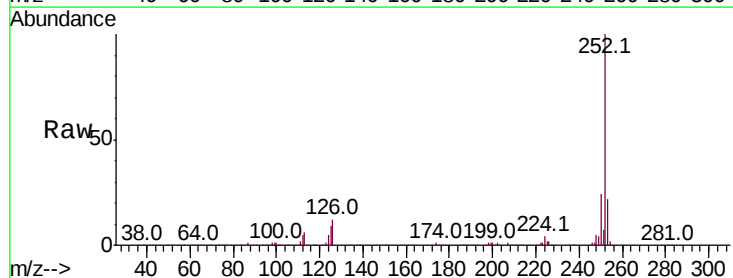
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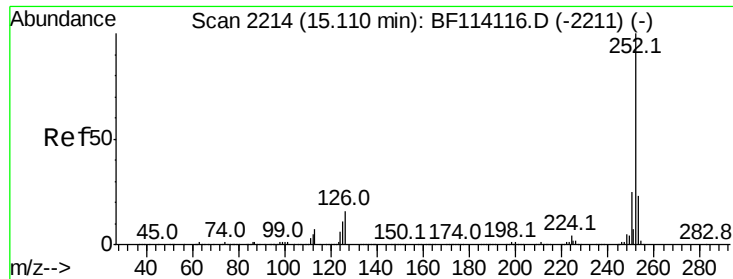
mohammad
 5/27/2019 3:50:05 AM



#88
 Benzo(b)fluoranthene
 Concen: 36.250 ng
 RT: 15.01 min Scan# 2197
 Delta R.T. -0.02 min
 Lab File: BF114611.D
 Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.9	8.3	12.5





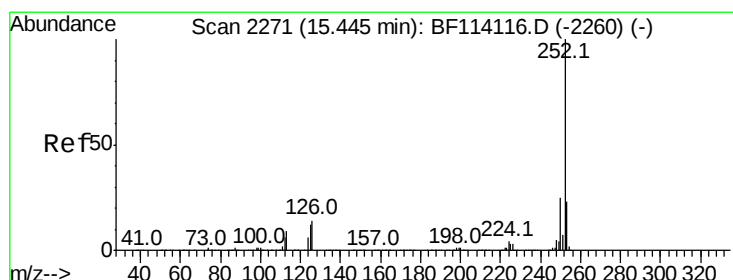
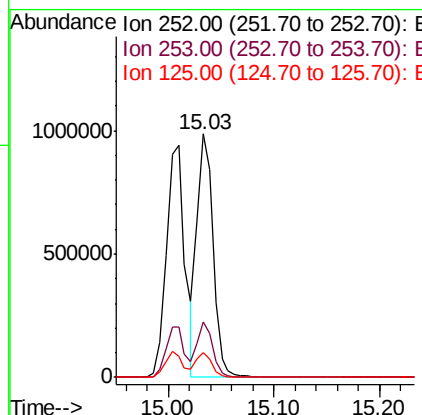
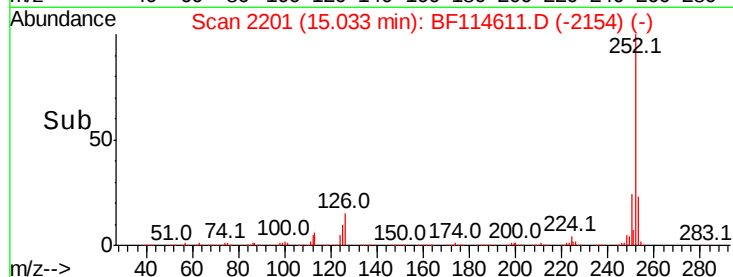
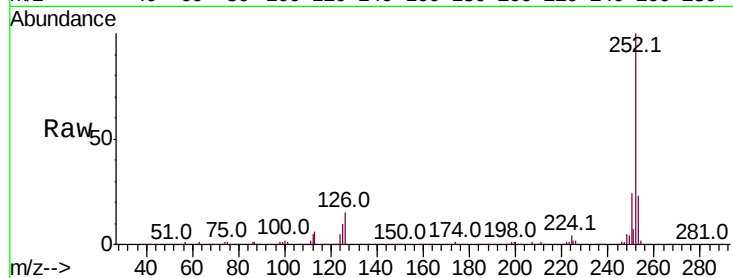
#89
Benzo(k)fluoranthene
Concen: 35.101 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampled :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.3	8.6	13.0

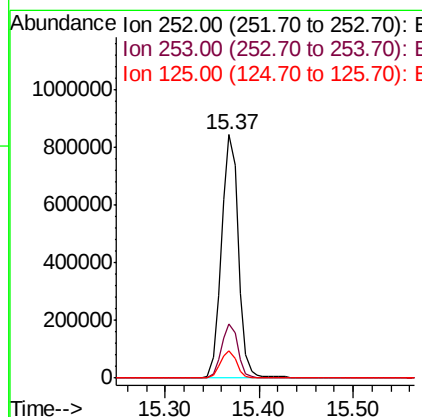
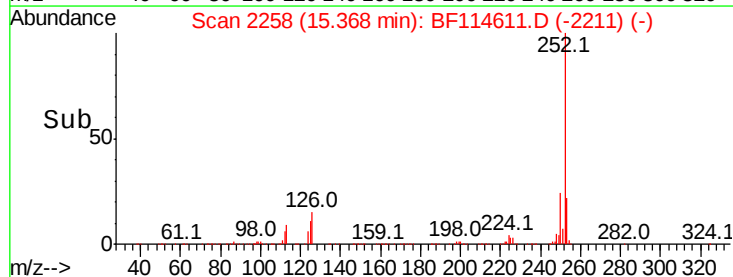
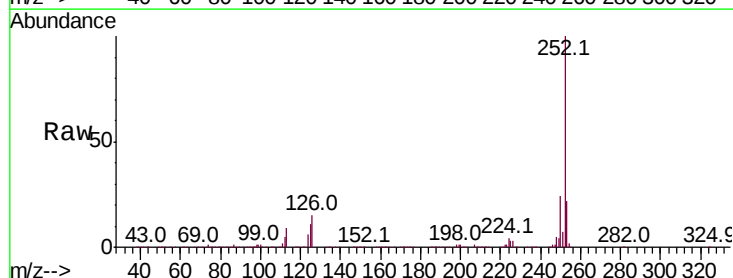
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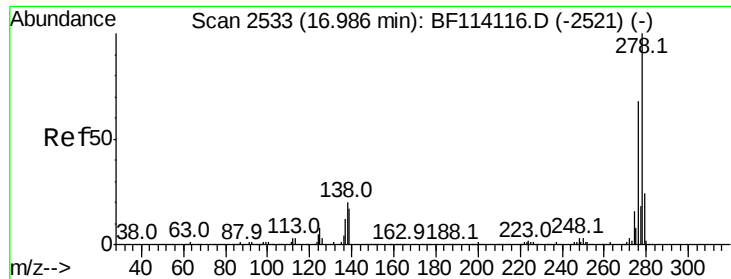
mohammad
5/27/2019 3:50:05 AM



#90
Benzo(a)pyrene
Concen: 37.961 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	11.5	9.5	14.3





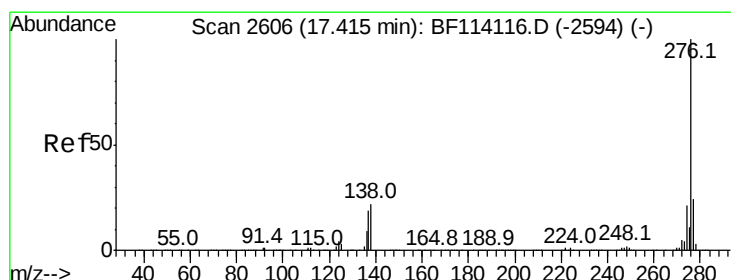
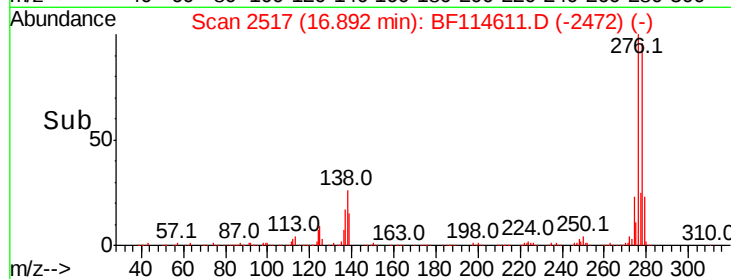
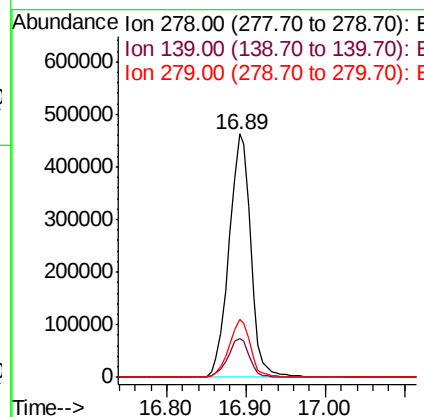
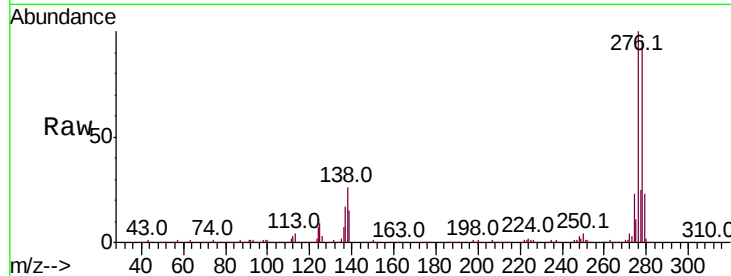
#91
Dibenzo(a,h)anthracene
Concen: 37.584 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.04 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Instrument :
BNA_F
ClientSampleId :
PB119943BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.5	20.3
279	23.9	19.0	28.6

Manual Integrations
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mohammad
5/27/2019 3:50:05 AM



#92
Benzo(g,h,i)perylene
Concen: 38.205 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.04 min
Lab File: BF114611.D
Acq: 25 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	20.6	17.8	26.6

