

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
 Data File : BF114072.D
 Acq On : 1 May 2019 16:32
 Operator : JU/SJ
 Sample : K2204-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:01:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	84594	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	289801	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	180686	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	335932	20.00	ng	0.00
76) Chrysene-d12	14.06	240	267454	20.00	ng	0.00
87) Perylene-d12	15.56	264	205405	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	83213	16.82	ng	0.00
7) Phenol-d6	6.52	99	128321	20.68	ng	0.00
23) Nitrobenzene-d5	7.45	82	60520	12.89	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	44232	20.10	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	192214	16.64	ng	0.00
79) Terphenyl-d14	13.00	244	215210	16.50	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.56	88	446	0.191	ng	# 26
9) Benzaldehyde	6.66	77	2375	Below Cal		# 79
10) Phenol	6.53	94	1724	0.232	ng	# 8
15) Benzyl Alcohol	7.05	79	1354	0.324	ng	# 53
18) Hexachloroethane	7.46	117	185	0.082	ng	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	8162	2.031	ng	# 76
22) Acetophenone	7.29	105	501	0.078	ng	# 58
25) Isophorone	7.45	82	60520	6.302	ng	# 65
31) Naphthalene	8.20	128	1784	0.130	ng	# 70
33) 4-Chloroaniline	8.20	127	107	0.018	ng	# 20
35) Caprolactam	8.60	113	140	0.100	ng	# 76
37) 2-Methylnaphthalene	8.90	142	1476	0.159	ng	# 91
38) 1-Methylnaphthalene	8.99	142	2638	0.294	ng	# 96
46) 1,1'-Biphenyl	9.36	154	655	0.047	ng	# 86
47) 2-Chloronaphthalene	9.52	162	588	0.052	ng	# 39
48) 2-Nitroaniline	9.25	65	151	0.051	ng	# 1
49) Acenaphthylene	9.79	152	4898	0.279	ng	# 93
50) Dimethylphthalate	9.64	163	19200	1.469	ng	# 99
51) 2,6-Dinitrotoluene	9.93	165	23693	8.451	ng	# 32
52) Acenaphthene	9.97	154	4913	0.473	ng	# 98
55) Dibenzofuran	10.14	168	1653	0.106	ng	# 64
56) 4-Nitrophenol	10.14	139	662	0.284	ng	# 12
57) 2,4-Dinitrotoluene	9.93	165	23689	6.694	ng	# 28
58) Fluorene	10.48	166	5548	0.474	ng	# 91
60) Diethylphthalate	10.35	149	123	0.010	ng	# 57
63) Azobenzene	10.63	77	133	0.011	ng	# 1
66) n-Nitrosodiphenylamine	10.59	169	935	0.093	ng	# 79
67) 4-Bromophenyl-phenylether	10.72	248	2393	0.590	ng	# 1
69) Atrazine	10.94	200	1197	0.365	ng	# 35
71) Phenanthrene	11.45	178	40784	2.416	ng	# 97
72) Anthracene	11.50	178	13897	0.815	ng	# 99
73) Carbazole	11.65	167	1686	0.111	ng	# 89
74) Di-n-butylphthalate	11.97	149	1238	0.069	ng	# 77
75) Fluoranthene	12.64	202	54253	2.945	ng	# 97

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 Misc :
 ALS Vial : 16 Sample Multiplier: 1

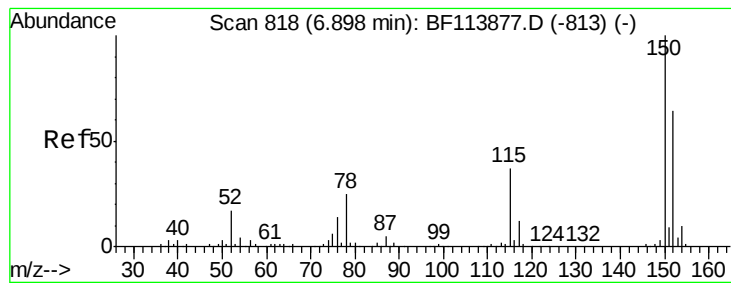
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:01:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	

77) Benzidine	12.73	184	119	0.015	nq	#	1
78) Pyrene	12.87	202	65118	3.482	nq		98
80) Butylbenzylphthalate	13.49	149	1879	0.255	nq	#	1
81) Benzo(a)anthracene	14.05	228	25645	1.627	nq		94
82) 3,3'-Dichlorobenzidine	14.02	252	101	0.017	nq	#	49
83) Chrysene	14.05	228	25645	1.671	nq		96
84) Bis(2-ethylhexyl)phthalate	14.03	149	3518	0.376	nq	#	84
85) Di-n-octyl phthalate	14.69	149	299	0.020	nq	#	1
86) Indeno(1,2,3-cd)pyrene	17.06	276	9009	0.620	nq		97
88) Benzo(b)fluoranthene	15.12	252	28863	2.221	nq	#	78
89) Benzo(k)fluoranthene	15.12	252	28863	2.582	nq	#	79
90) Benzo(a)pyrene	15.49	252	15458	1.375	nq	#	68
91) Dibenzo(a,h)anthracene	17.06	278	2802	0.266	nq	#	1
92) Benzo(q,h,i)perylene	17.52	276	9062	0.851	nq	#	78

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

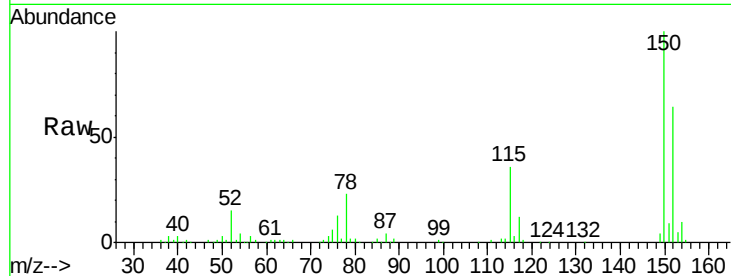


#1

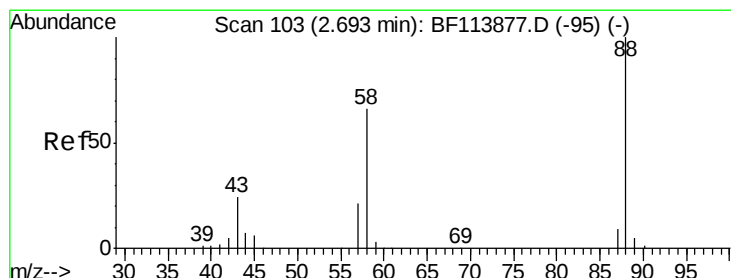
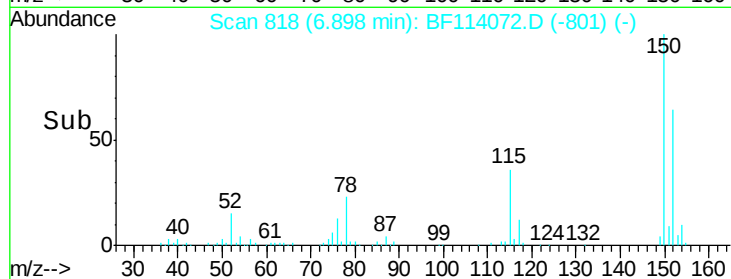
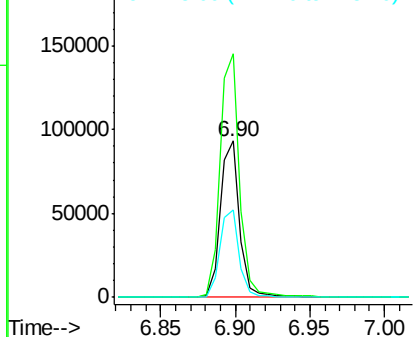
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84594
Ion Ratio Lower Upper
152 100
150 155.7 125.9 188.9
115 56.1 45.9 68.9



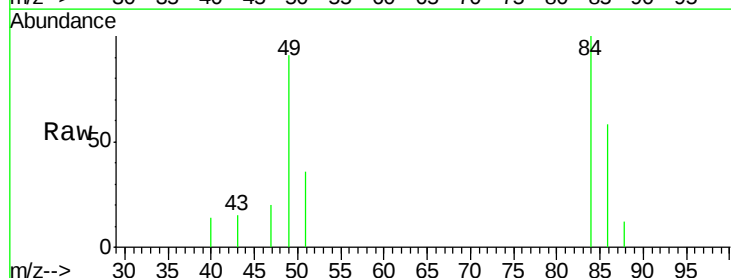
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



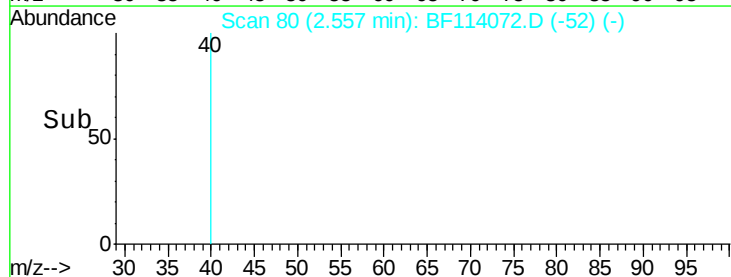
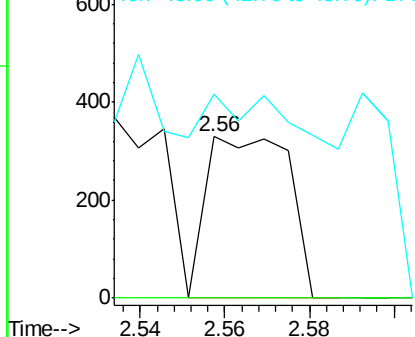
#2

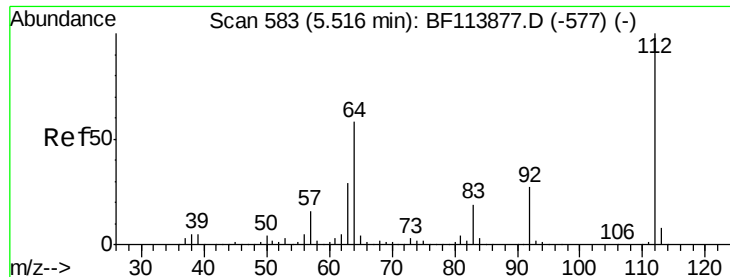
1,4-Dioxane
Concen: 0.191 ng
RT: 2.56 min Scan# 80
Delta R.T. -0.14 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion: 88 Resp: 446
Ion Ratio Lower Upper
88 100
58 0.0 53.3 79.9#
43 0.0 19.0 28.4#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 16.824 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

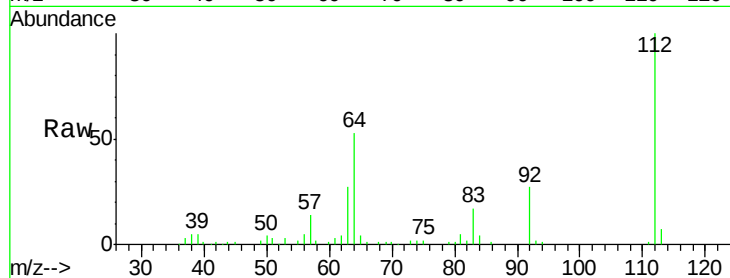
Tot Ion: 112 Resp: 83213

Ion Ratio Lower Upper

112 100

64 52.8 46.6 69.8

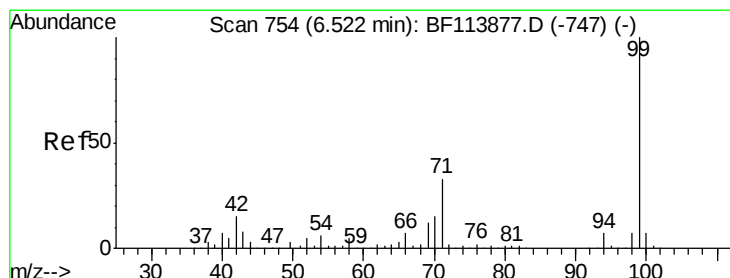
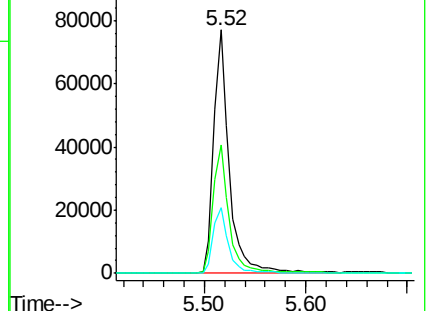
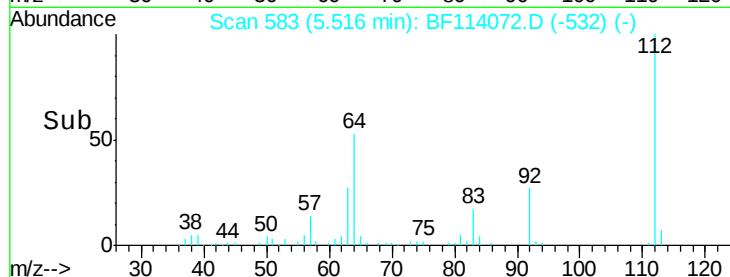
63 26.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 20.679 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

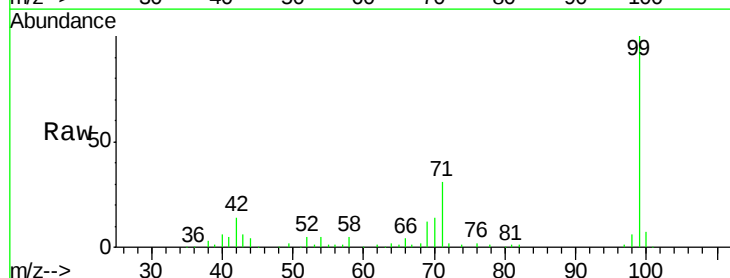
Tgt Ion: 99 Resp: 128321

Ion Ratio Lower Upper

99 100

42 14.1 12.5 18.7

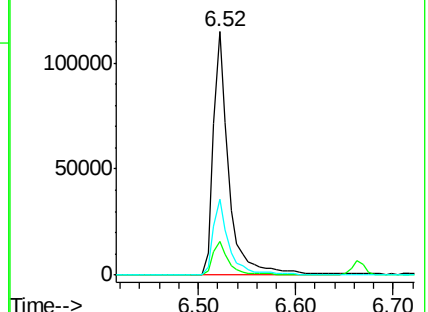
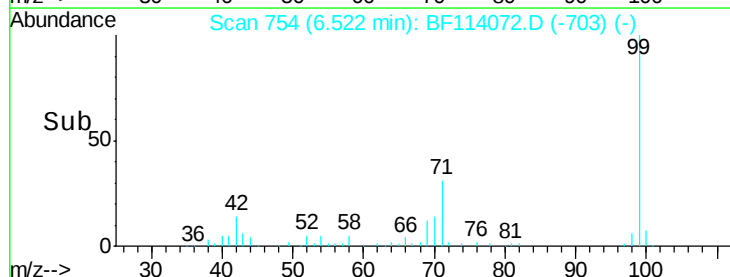
71 31.4 26.9 40.3

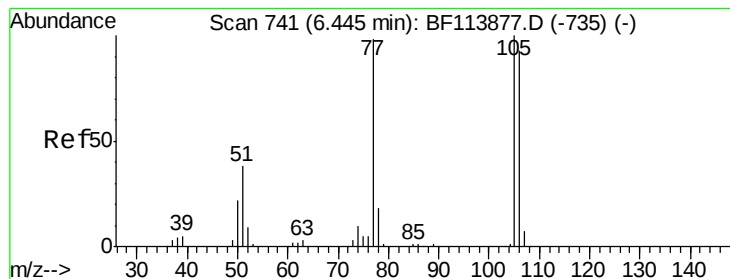


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: Below Cal

RT: 6.66 min Scan# 778

Delta R.T. 0.22 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

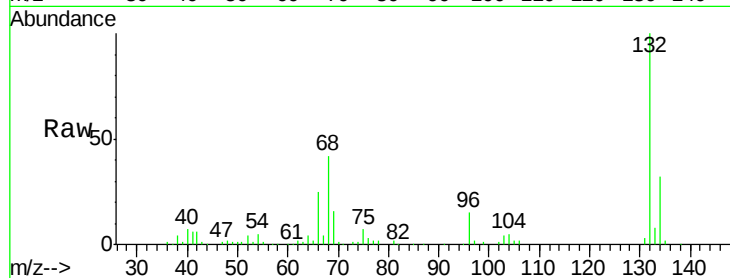
Tot Ion: 77 Resp: 2375

Ion Ratio Lower Upper

77 100

105 78.2 74.1 114.1

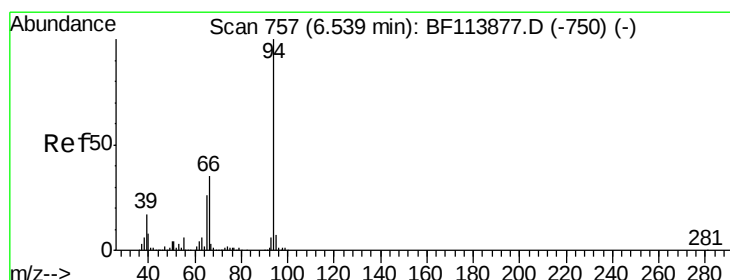
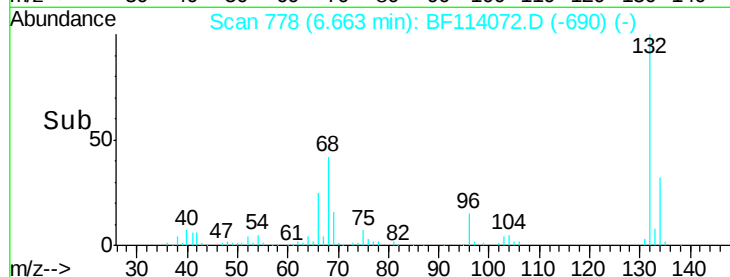
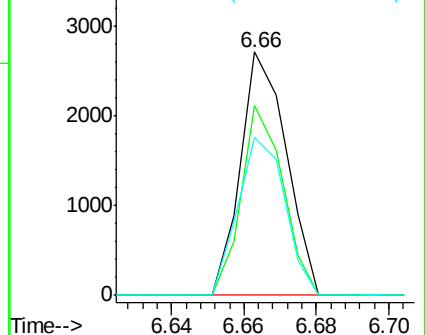
106 65.1 70.3 110.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 0.232 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

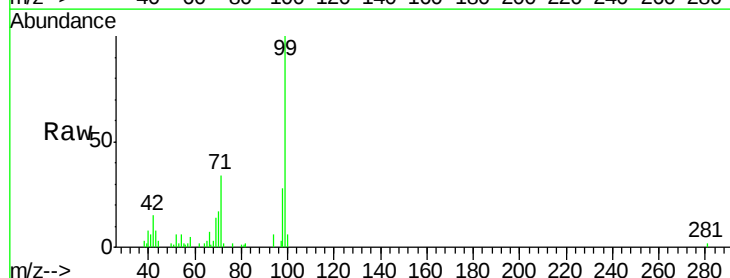
Tgt Ion: 94 Resp: 1724

Ion Ratio Lower Upper

94 100

65 50.8 8.1 48.1#

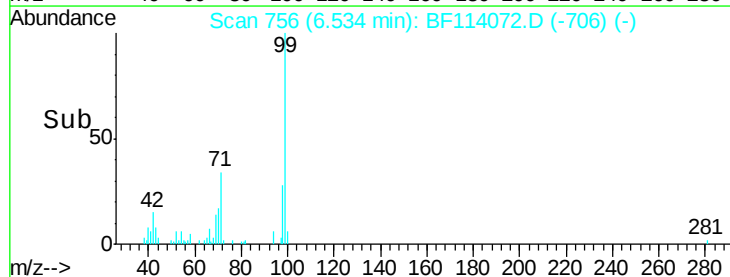
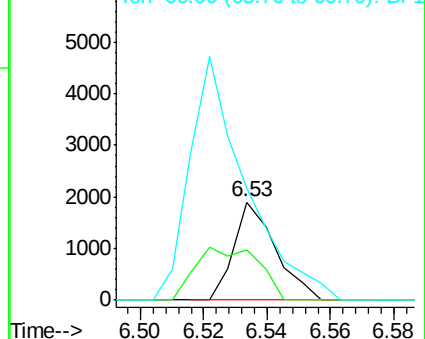
66 113.7 16.6 56.6#

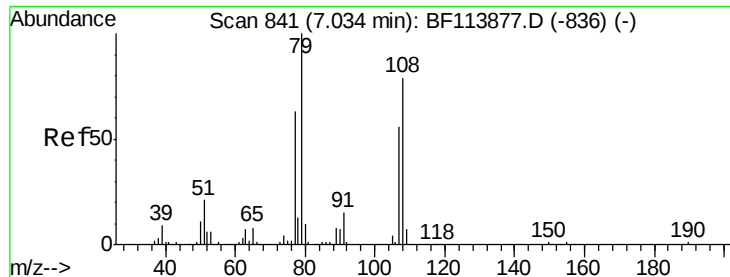


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 0.324 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

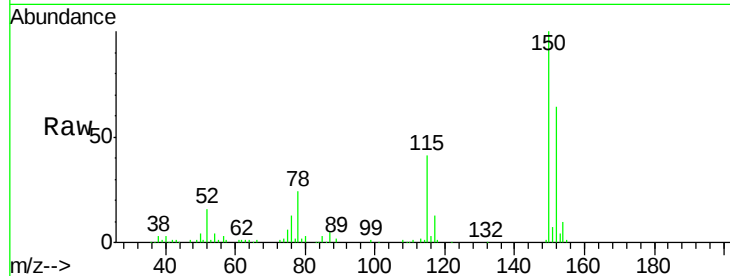
Tot Ion: 79 Resp: 1354

Ion Ratio Lower Upper

79 100

108 26.8 61.4 92.0#

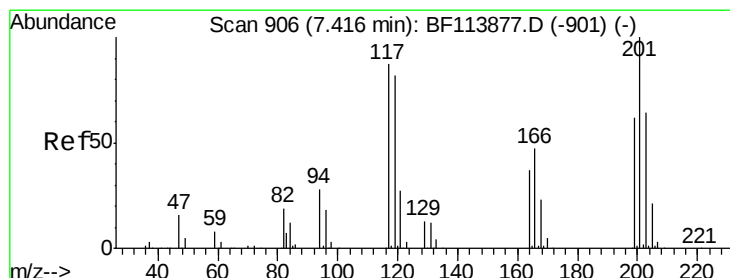
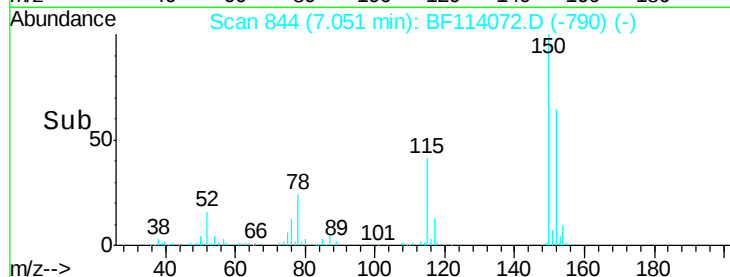
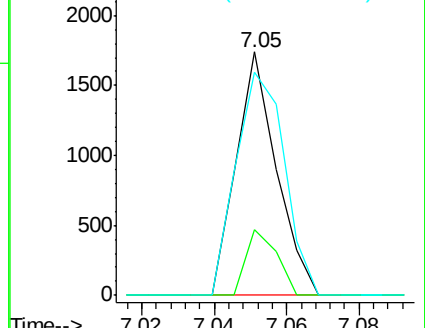
77 91.4 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#18

Hexachloroethane

Concen: 0.082 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.05 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

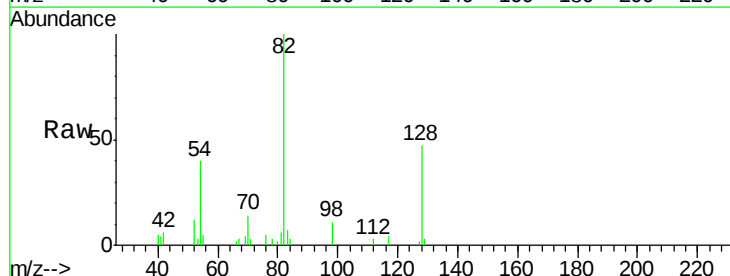
Tgt Ion: 117 Resp: 185

Ion Ratio Lower Upper

117 100

119 0.0 74.4 111.6#

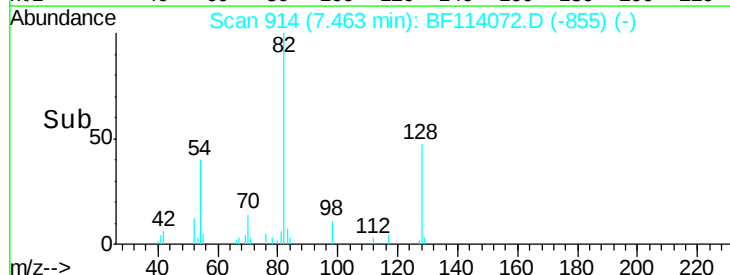
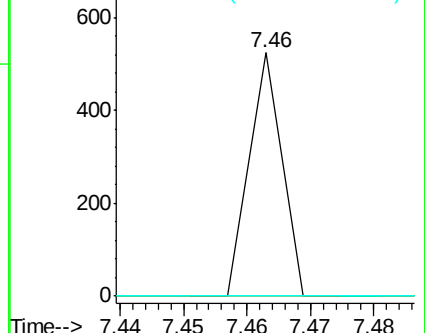
201 0.0 90.2 135.2#

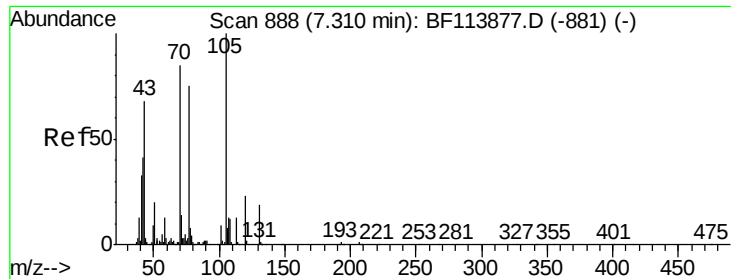


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1

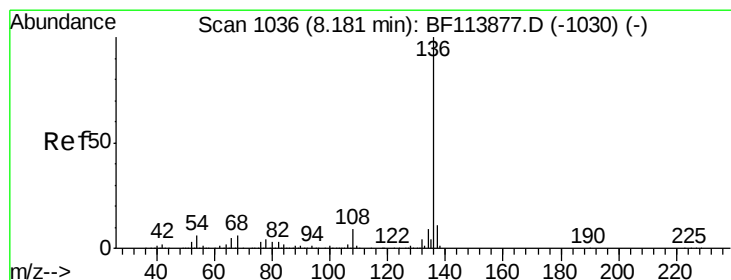
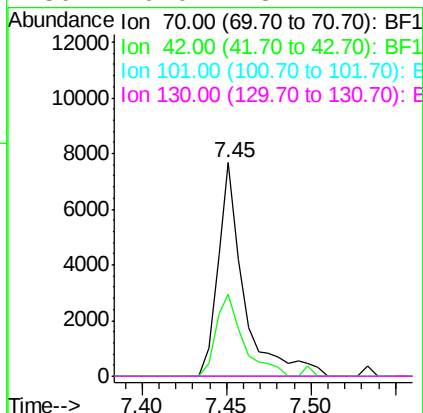
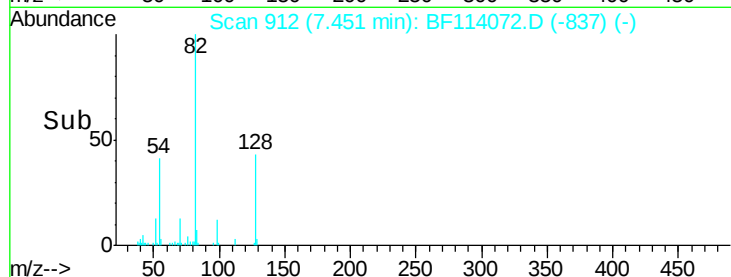
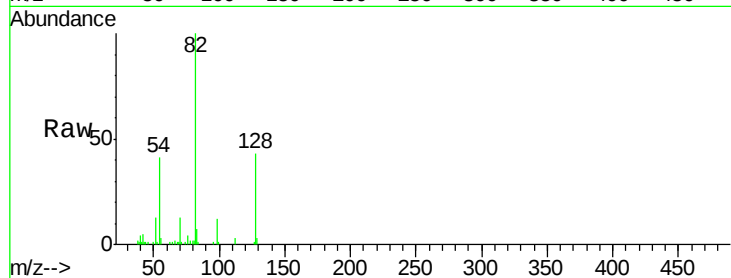




#19
n-Nitroso-di-n-propylamine
Concen: 2.031 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

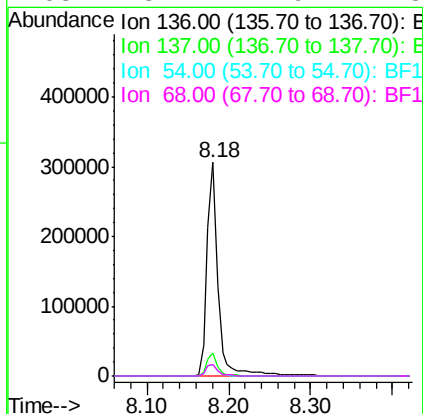
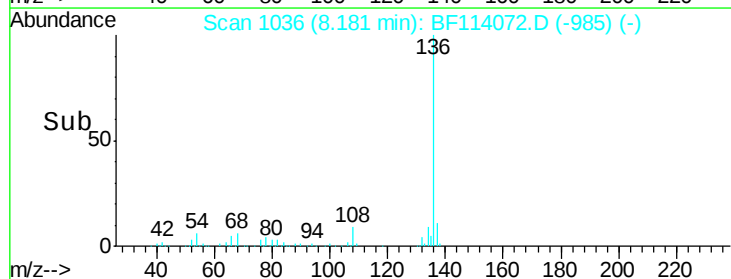
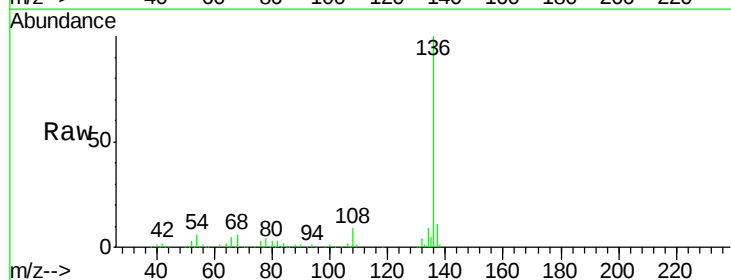
Instrument :
BNA_F
ClientSampleId :

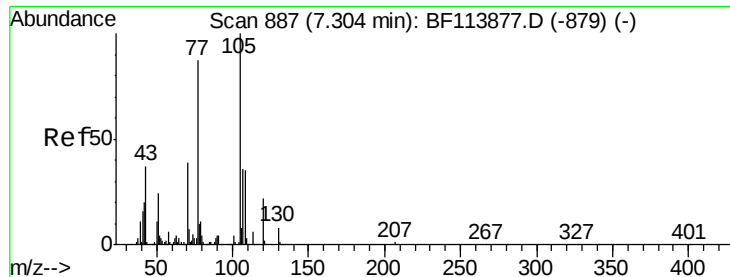
Tot Ion: 70 Resp: 8162
Ion Ratio Lower Upper
70 100
42 38.1 37.3 55.9
101 0.0 7.8 11.8#
130 0.0 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion: 136 Resp: 289801
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 5.6 5.0 7.6
68 5.7 4.9 7.3





#22

Acetophenone

Concen: 0.078 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF114072.D

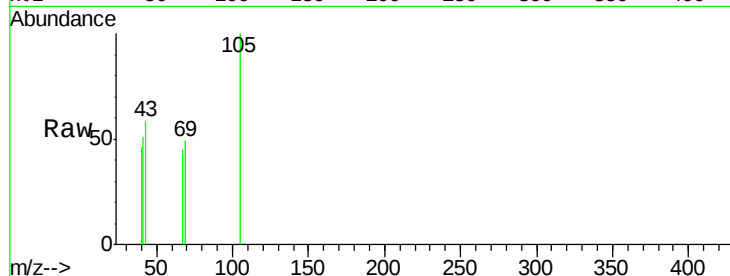
Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampled :

Tot Ion:	105	Resp:	501
Ion	Ratio	Lower	Upper
105	100		
71	0.0	6.1	9.1#
51	0.0	16.8	25.2#
120	0.0	17.6	26.4#

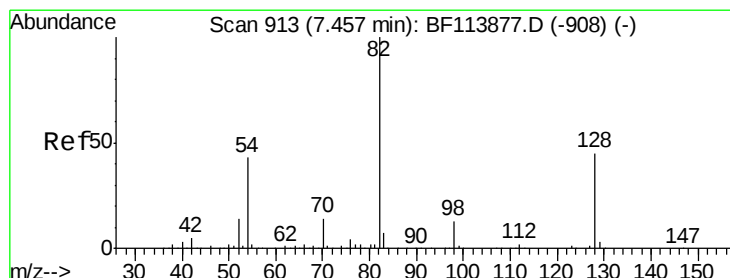
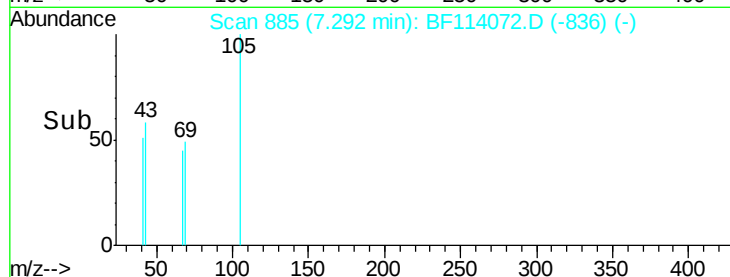
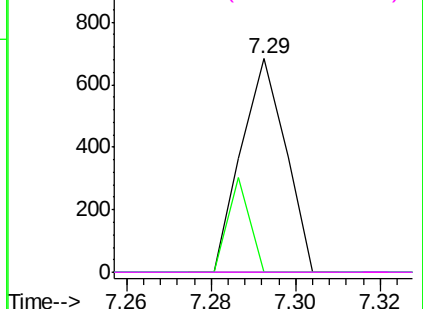


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 12.894 ng

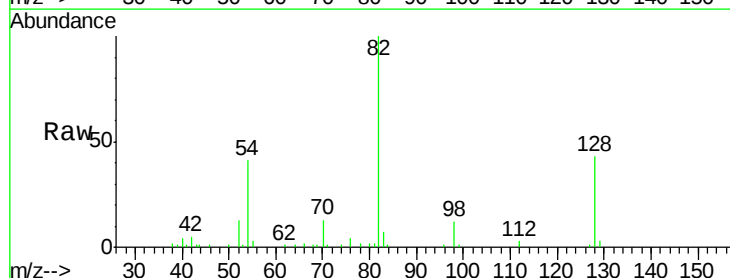
RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

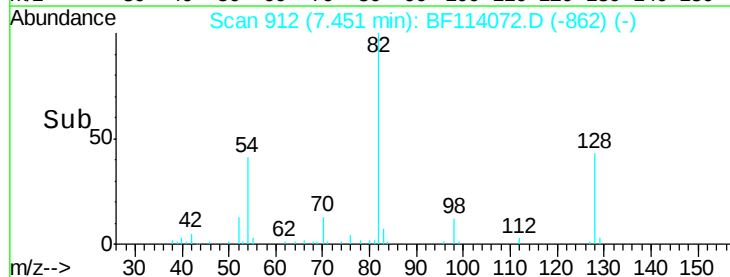
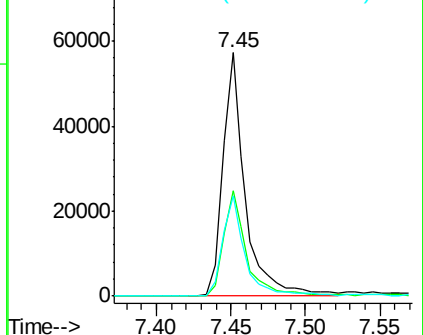
Tgt Ion:	82	Resp:	60520
Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.8	55.2
54	41.1	33.8	50.6

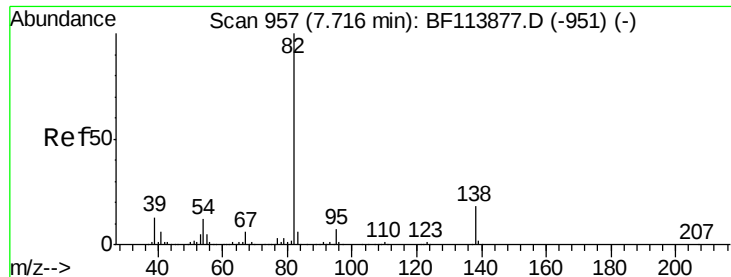


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 6.302 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

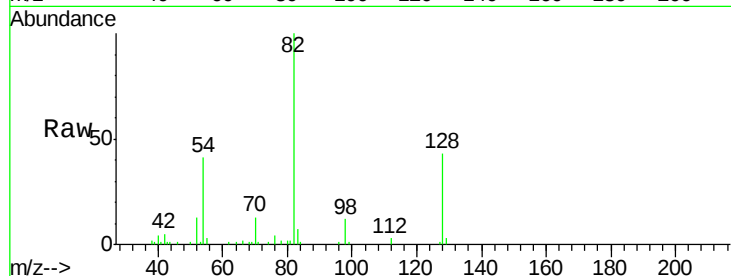
Tot Ion: 82 Resp: 60520

Ion Ratio Lower Upper

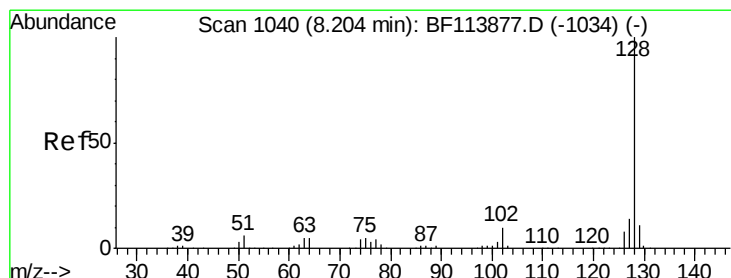
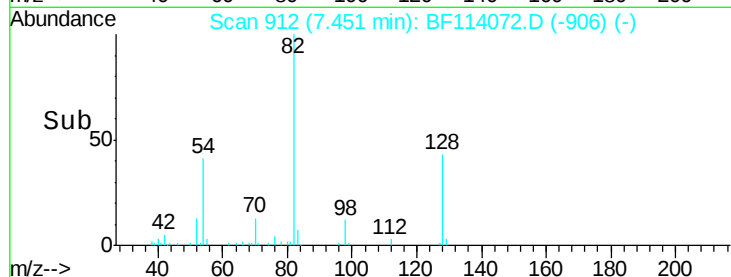
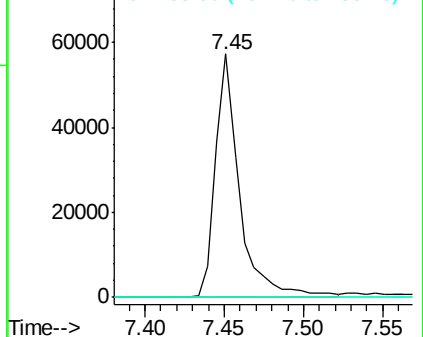
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 0.130 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

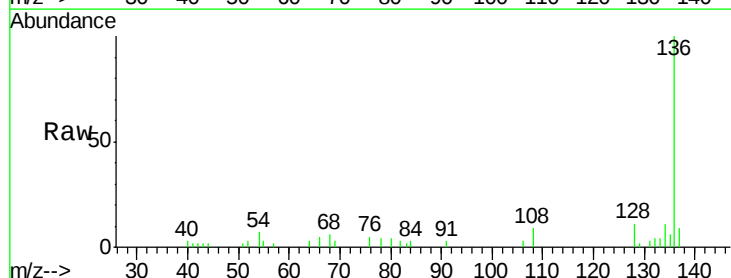
Tgt Ion: 128 Resp: 1784

Ion Ratio Lower Upper

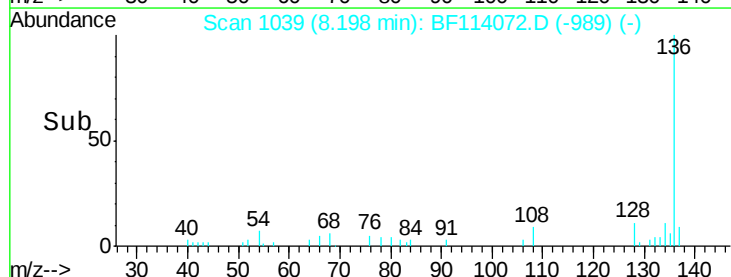
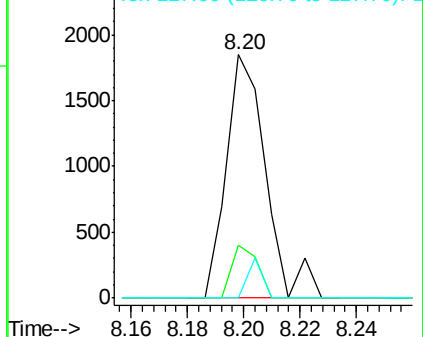
128 100

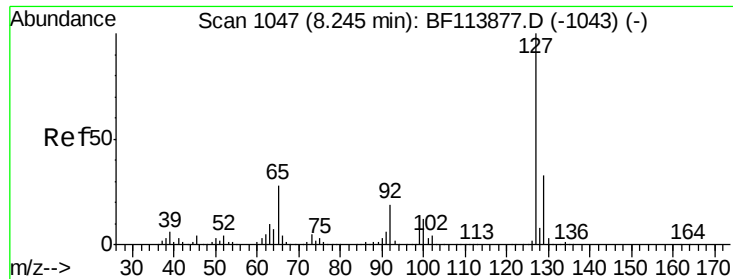
129 21.7 9.4 14.0#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

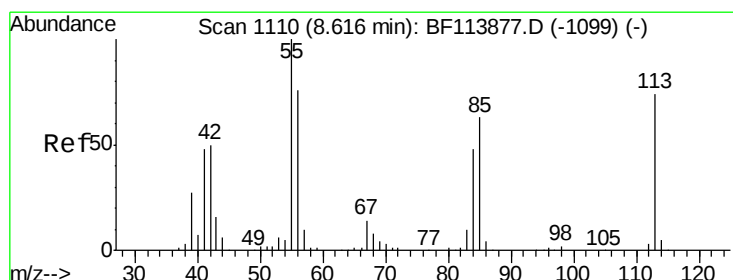
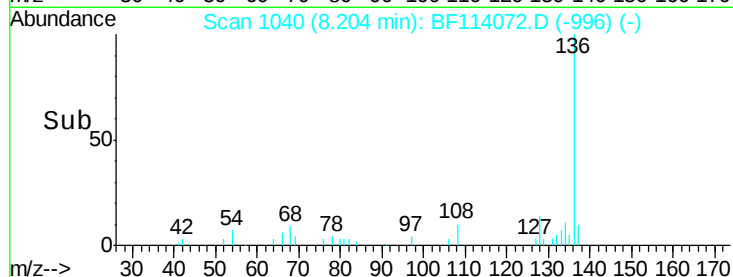
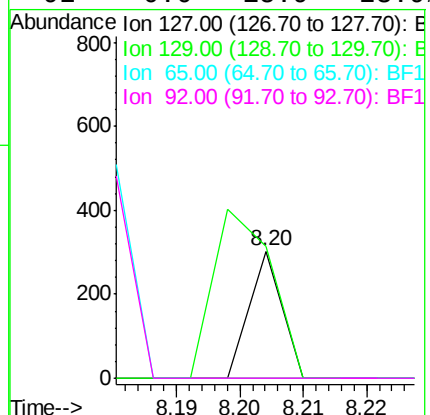
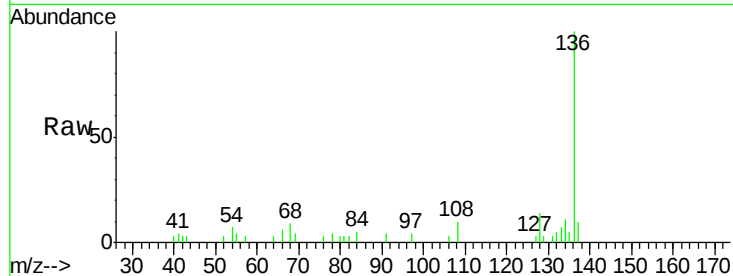




#33
4-Chloroaniline
Concen: 0.018 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.04 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

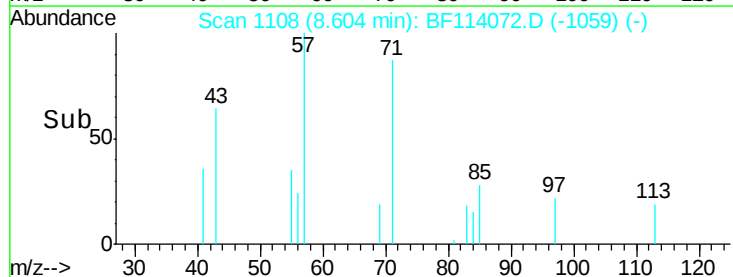
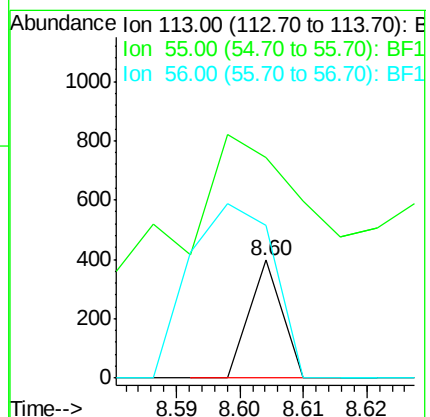
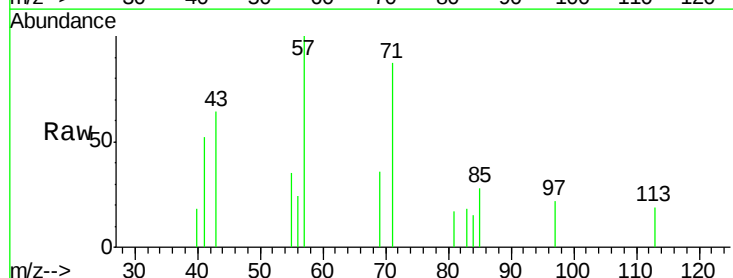
Instrument :
BNA_F
ClientSampleId :

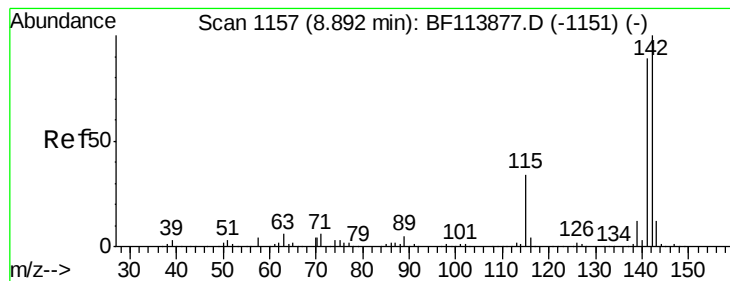
Tot Ion:127	Resp:	107
Ion Ratio	Lower	Upper
127	100	
129	103.3	26.4 39.6#
65	0.0	24.9 37.3#
92	0.0	15.9 23.9#



#35
Caprolactam
Concen: 0.100 ng
RT: 8.60 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion:113	Resp:	140
Ion Ratio	Lower	Upper
113	100	
55	186.9	128.6 168.6#
56	129.2	91.9 131.9





#37

2-Methylnaphthalene

Concen: 0.159 ng

RT: 8.90 min Scan# 1158

Delta R.T. 0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

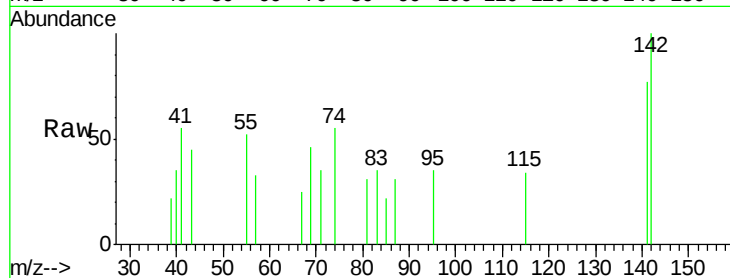
Tot Ion:142 Resp: 1476

Ion Ratio Lower Upper

142 100

141 77.1 70.4 105.6

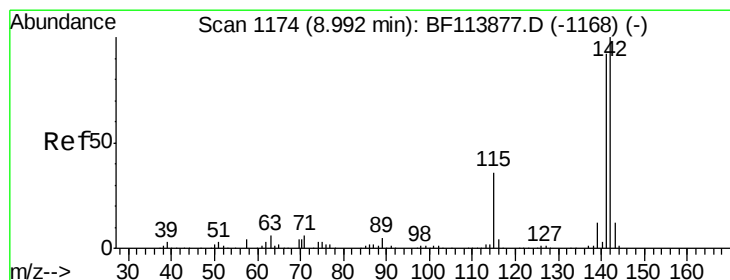
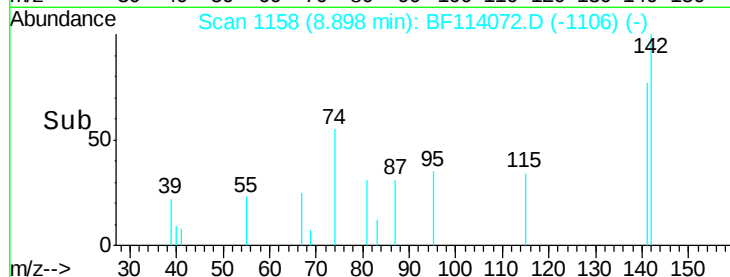
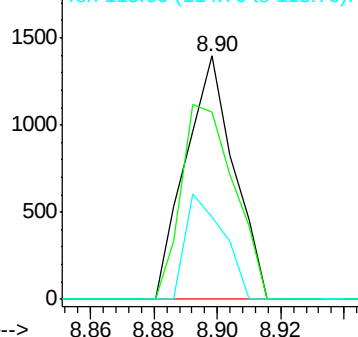
115 33.9 26.3 39.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 0.294 ng

RT: 8.99 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

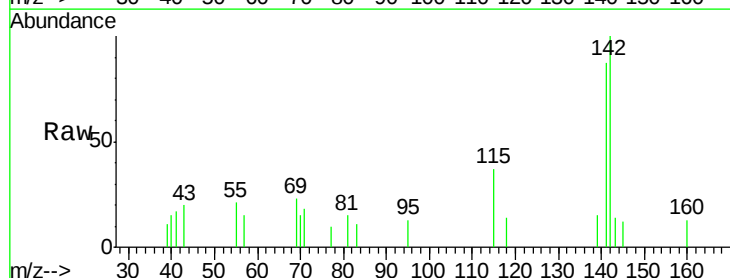
Tgt Ion:142 Resp: 2638

Ion Ratio Lower Upper

142 100

141 86.7 72.3 108.5

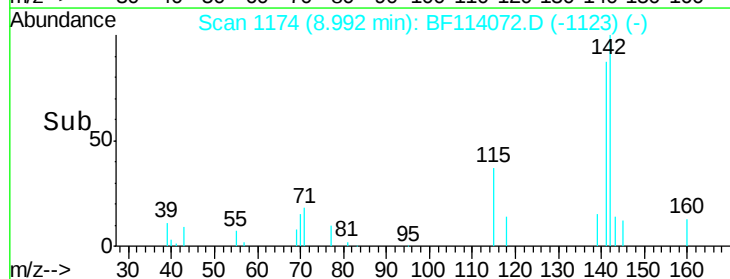
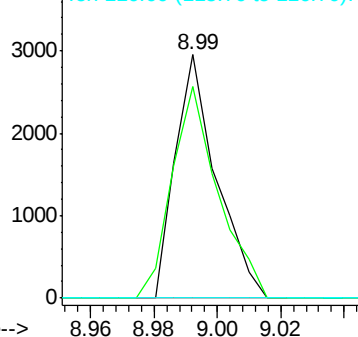
116 0.0 3.0 4.4#

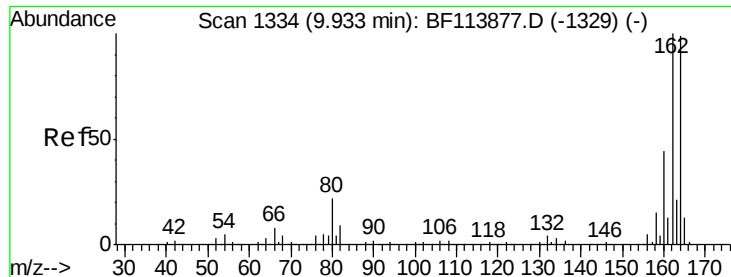


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampled :

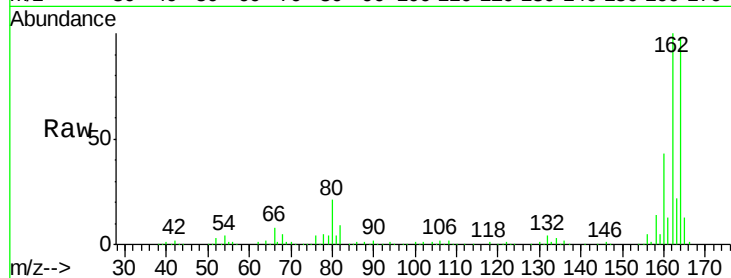
Tot Ion:164 Resp: 180686

Ion Ratio Lower Upper

164 100

162 101.9 81.1 121.7

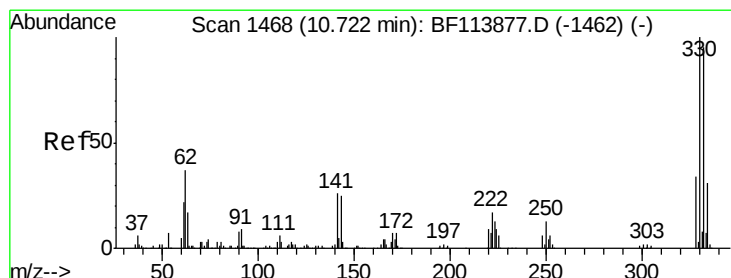
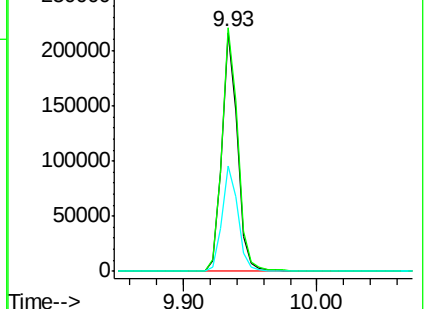
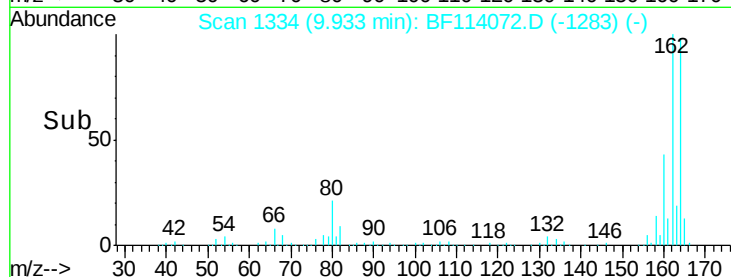
160 43.9 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 20.095 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

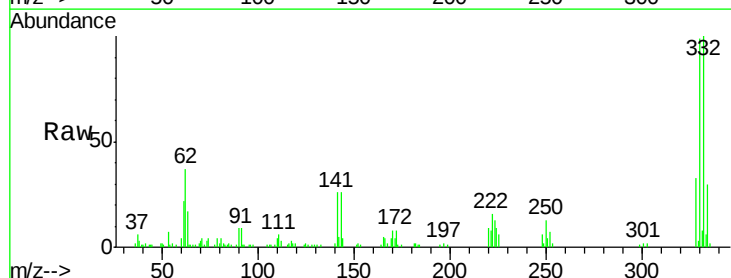
Tgt Ion:330 Resp: 44232

Ion Ratio Lower Upper

330 100

332 96.6 77.5 116.3

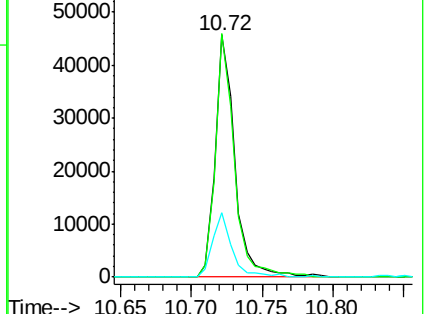
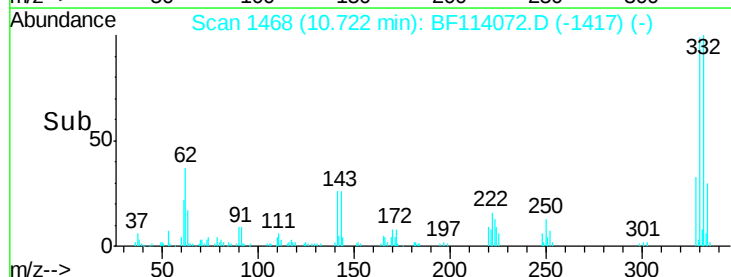
141 26.1 22.2 33.2

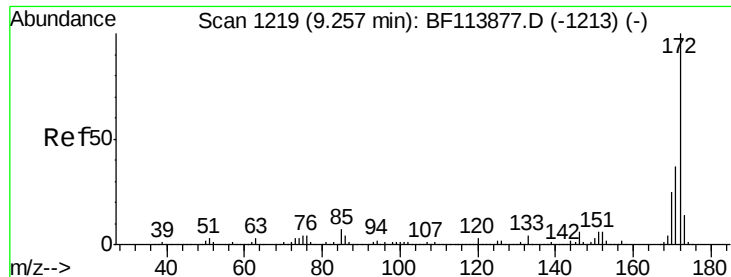


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

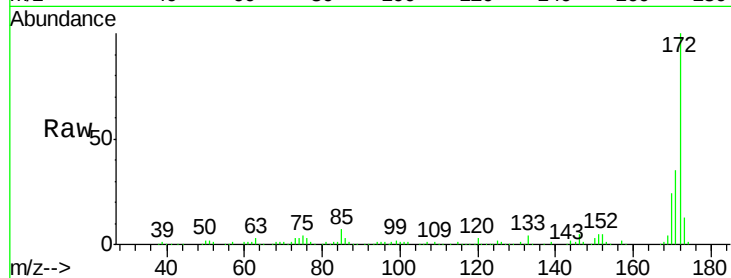




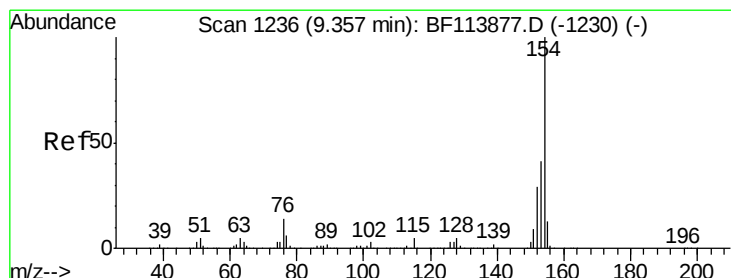
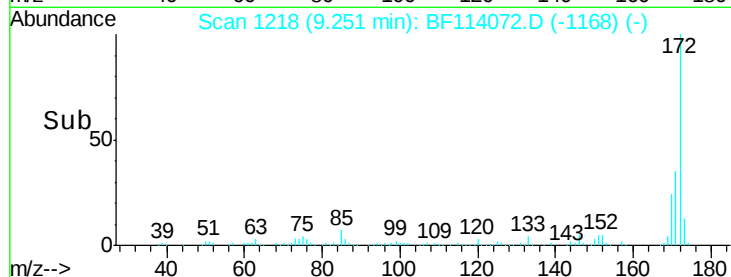
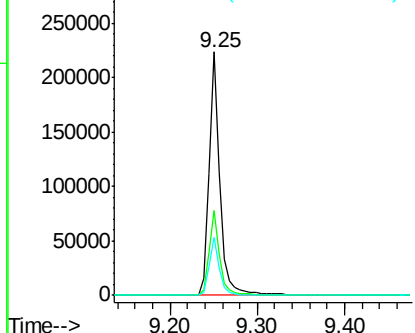
#45
2-Fluorobiphenyl
Concen: 16.638 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.4	44.0
170	23.7	19.9	29.9

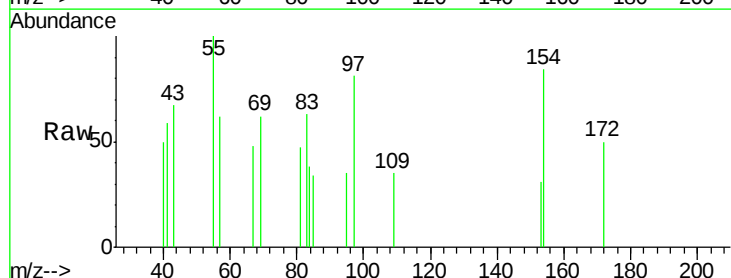


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

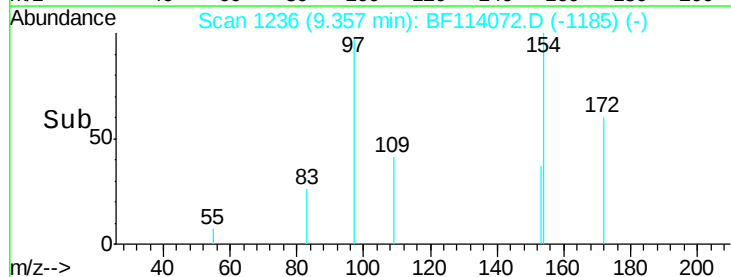
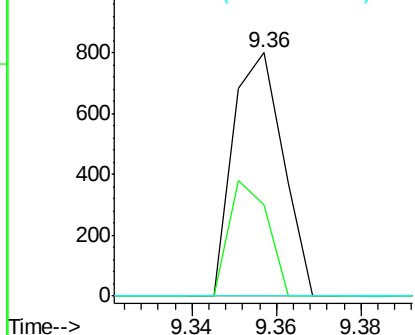


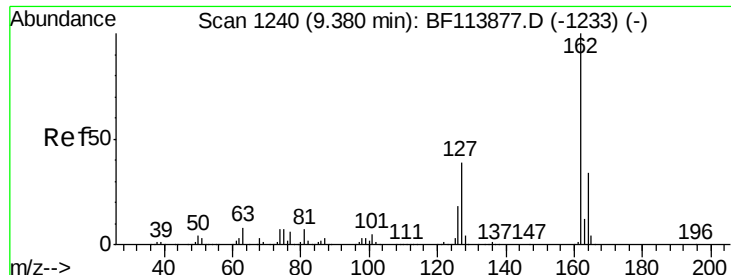
#46
1,1'-Biphenyl
Concen: 0.047 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.5	20.8	60.8
76	0.0	0.0	35.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

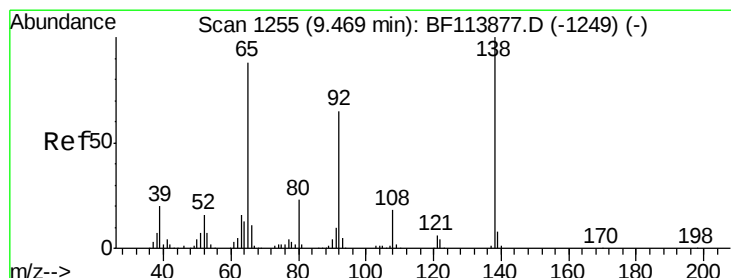
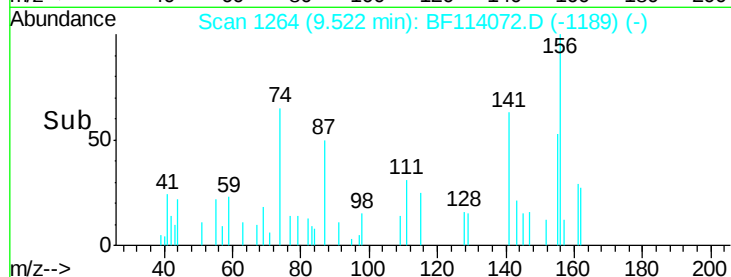
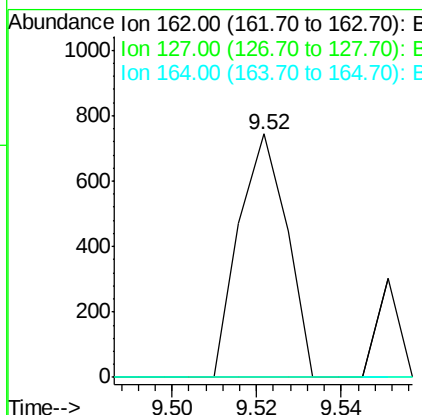
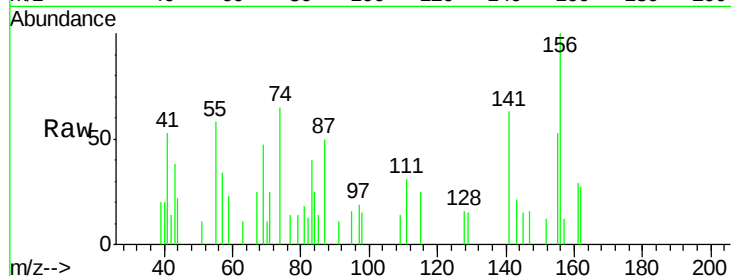




#47
 2-Chloronaphthalene
 Concen: 0.052 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. 0.14 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

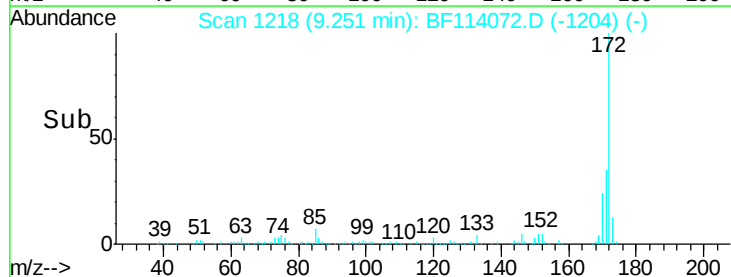
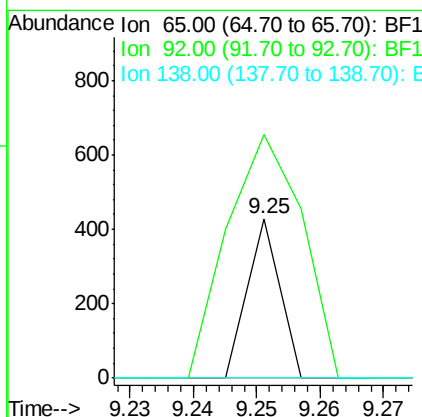
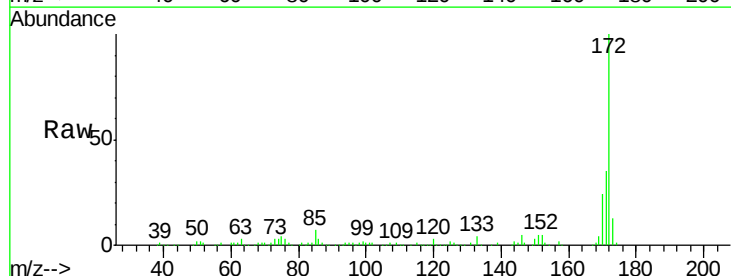
Instrument :
 BNA_F
 ClientSampled :

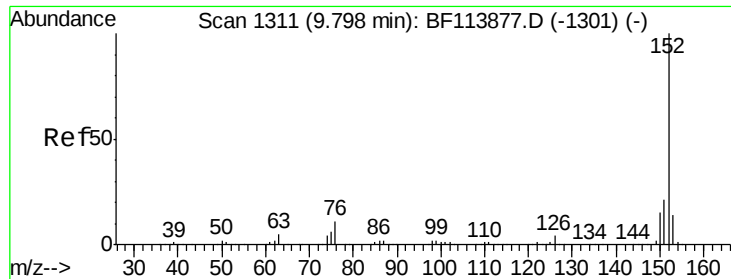
Tot Ion:162 Resp: 588
 Ion Ratio Lower Upper
 162 100
 127 0.0 29.3 43.9#
 164 0.0 27.1 40.7#



#48
 2-Nitroaniline
 Concen: 0.051 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.22 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Tgt Ion: 65 Resp: 151
 Ion Ratio Lower Upper
 65 100
 92 153.0 57.4 86.0#
 138 0.0 85.4 128.0#





#49

Acenaphthylene

Concen: 0.279 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampled :

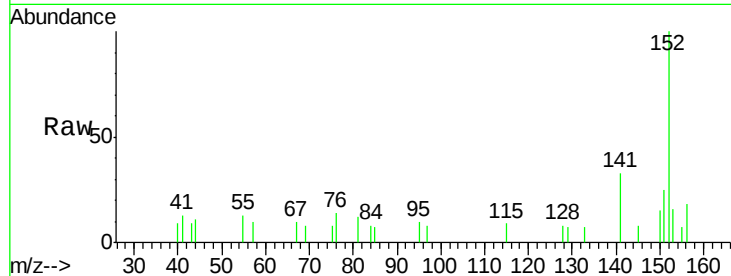
Tot Ion:152 Resp: 4898

Ion Ratio Lower Upper

152 100

151 25.3 17.0 25.4

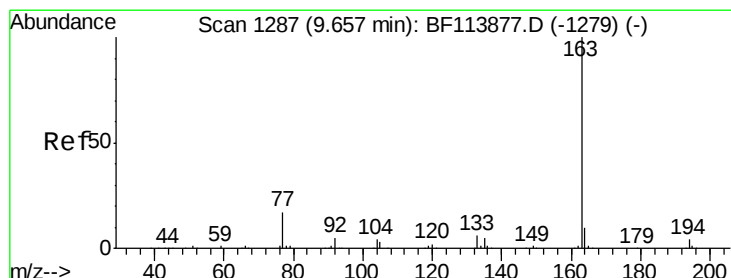
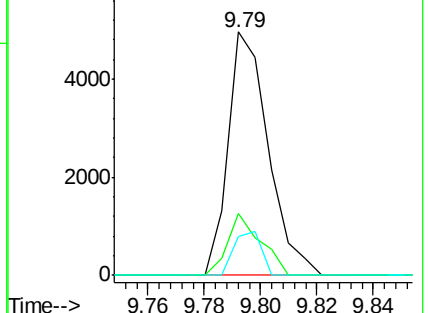
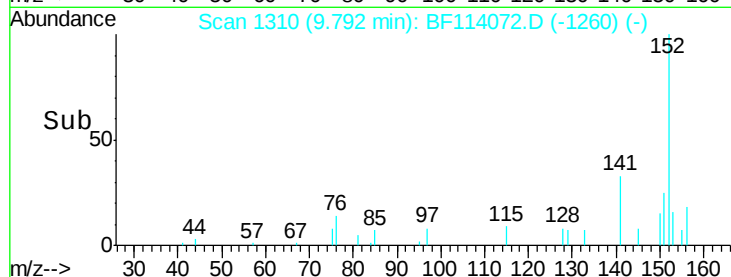
153 16.0 11.0 16.6



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: 1.469 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

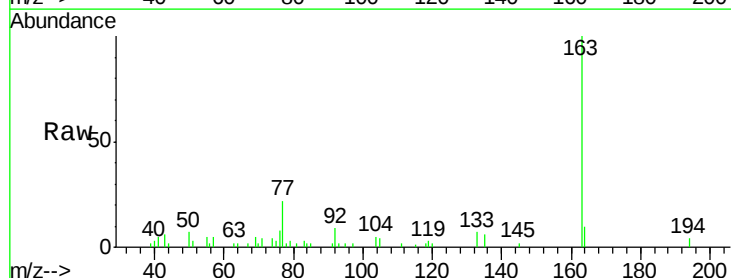
Tgt Ion:163 Resp: 19200

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

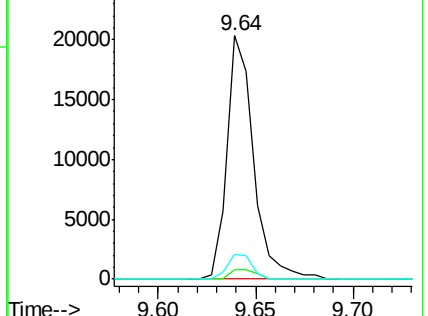
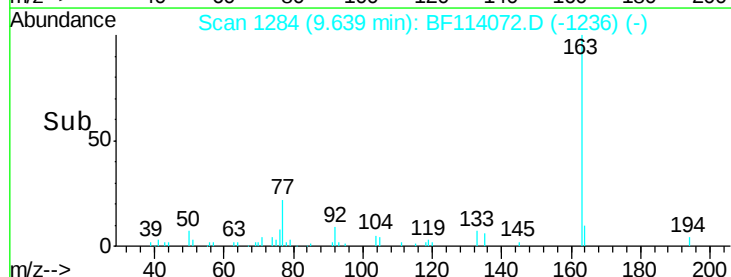
164 10.2 8.5 12.7

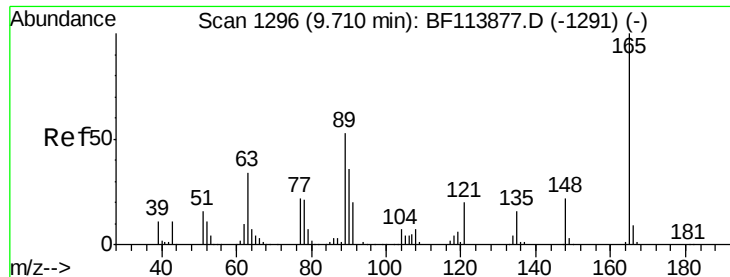


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

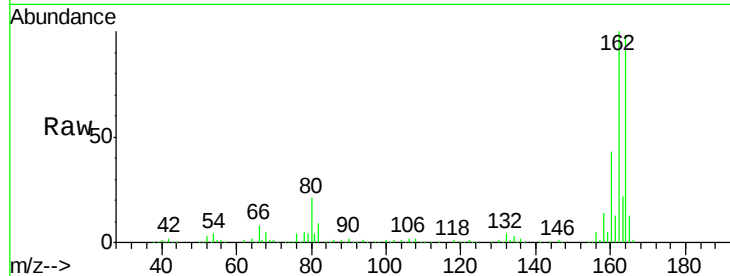




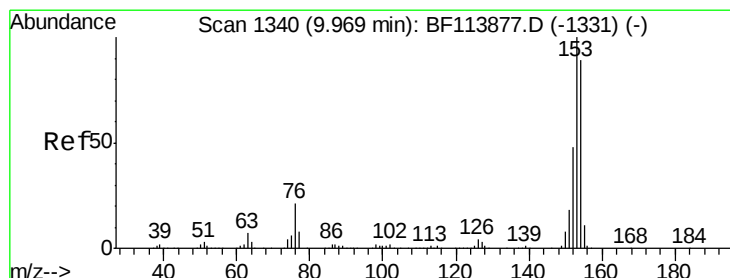
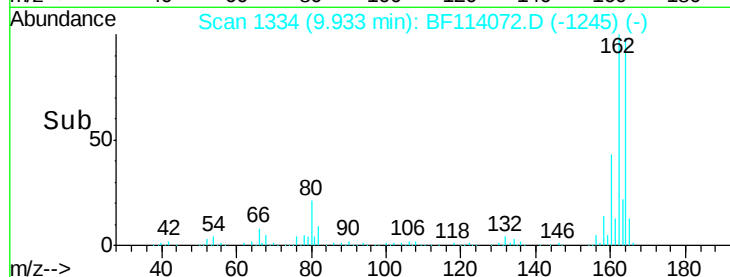
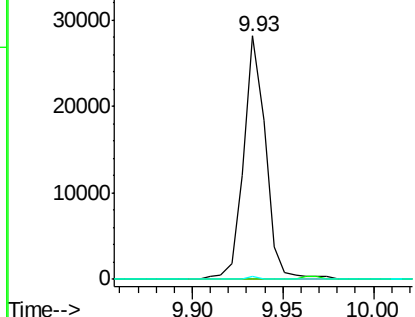
#51
 2,6-Dinitrotoluene
 Concen: 8.451 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.22 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23693
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.8 50.8#
 89 1.3 38.2 57.2#

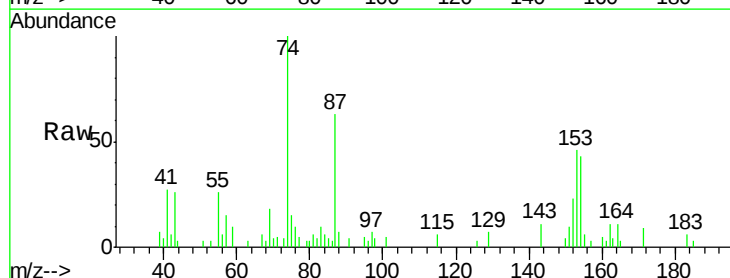


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

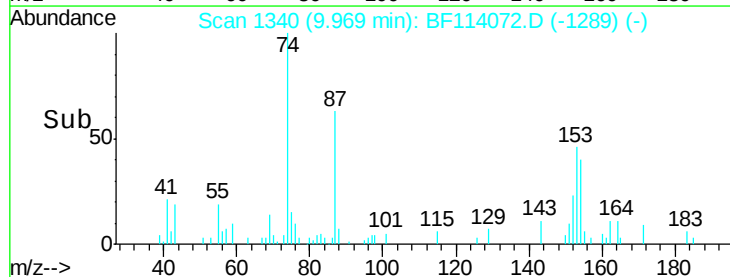
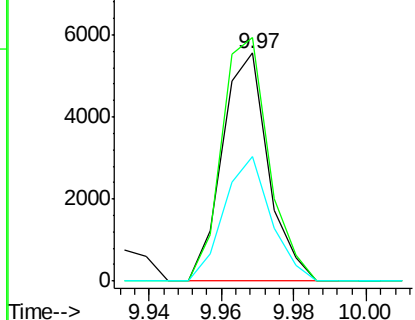


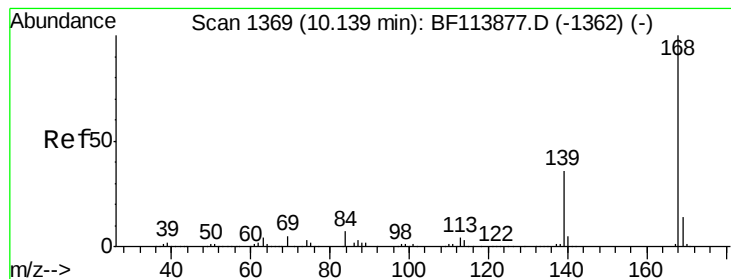
#52
 Acenaphthene
 Concen: 0.473 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Tgt Ion:154 Resp: 4913
 Ion Ratio Lower Upper
 154 100
 153 106.7 87.2 130.8
 152 54.4 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 0.106 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

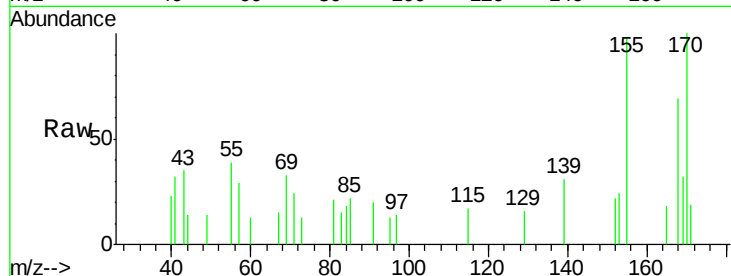
Tot Ion:168 Resp: 1653

Ion Ratio Lower Upper

168 100

139 45.6 27.8 41.6#

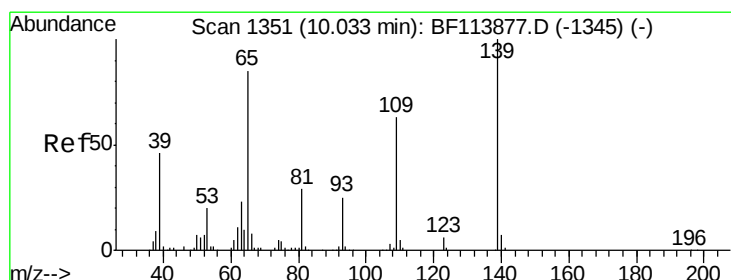
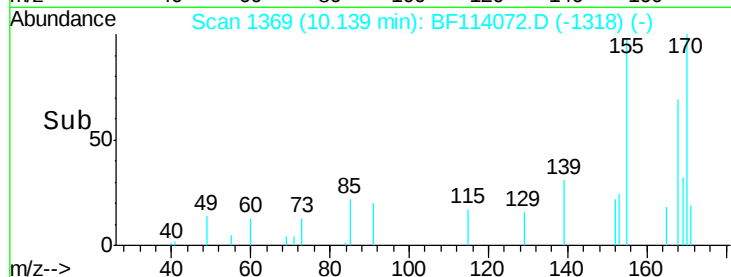
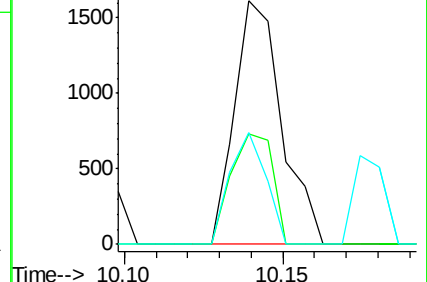
169 45.9 11.0 16.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 0.284 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.11 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

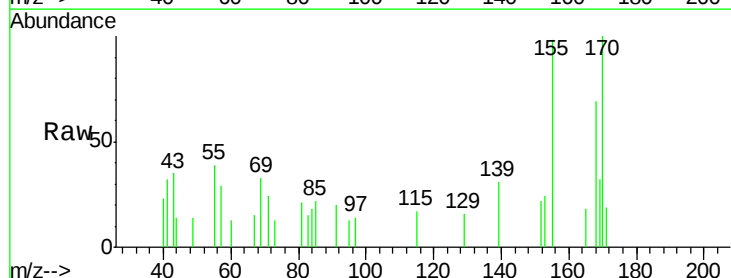
Tgt Ion:139 Resp: 662

Ion Ratio Lower Upper

139 100

109 0.0 42.9 82.9#

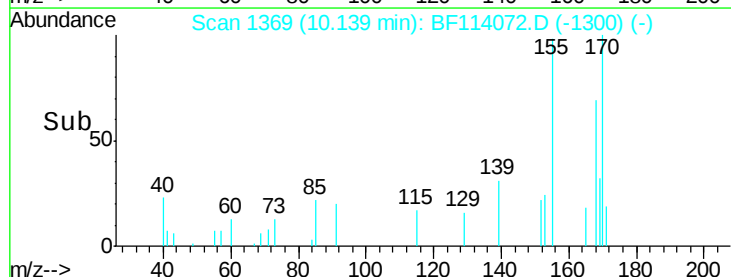
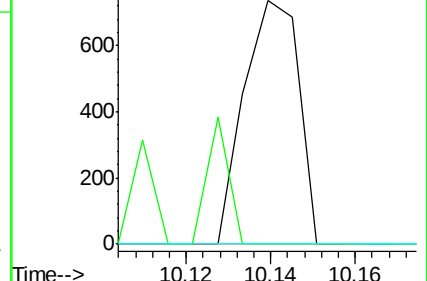
65 0.0 64.4 104.4#

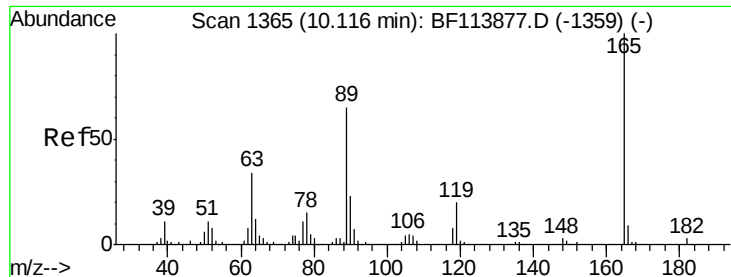


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

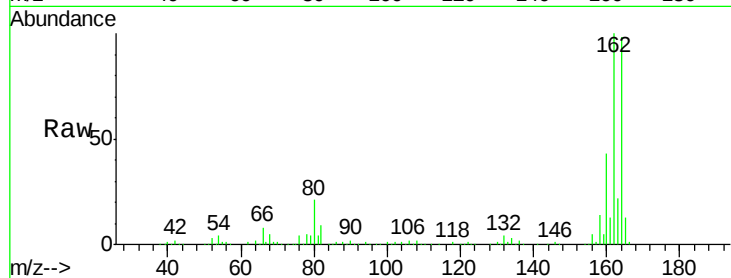




#57
2,4-Dinitrotoluene
Concen: 6.694 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.4	41.0#
89	1.3	51.8	77.6#
182	0.0	2.2	3.2#

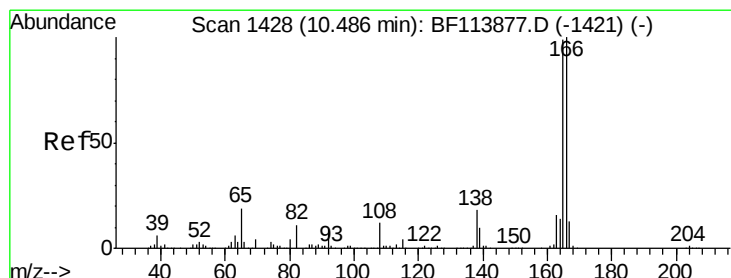
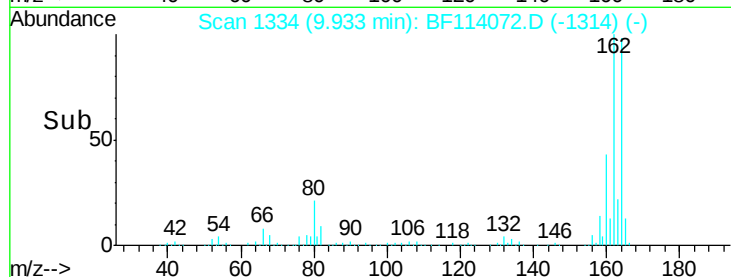
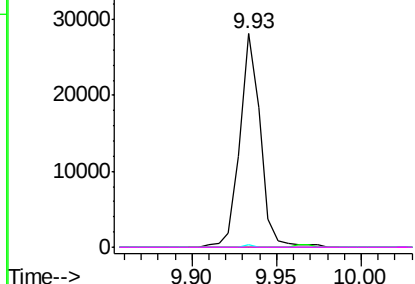


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

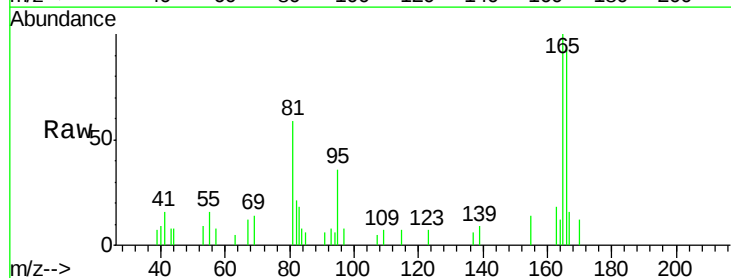
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 0.474 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

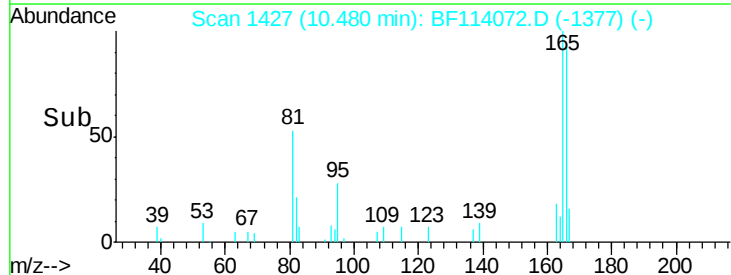
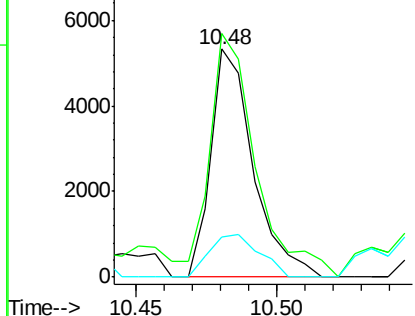
Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.0	78.4	117.6
167	17.5	10.9	16.3#

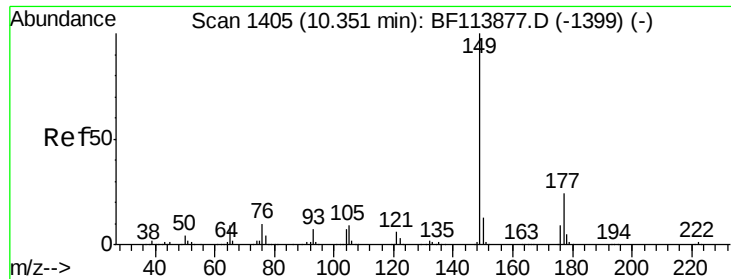


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.010 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

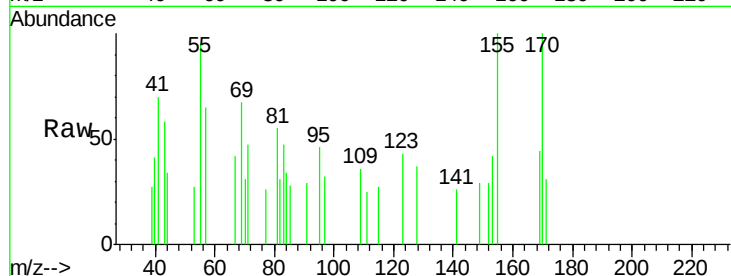
Tot Ion:149 Resp: 123

Ion Ratio Lower Upper

149 100

177 0.0 19.2 28.8#

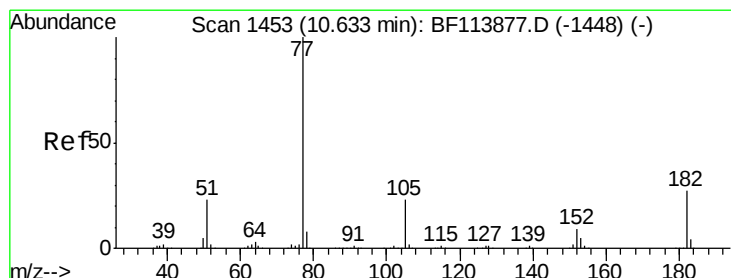
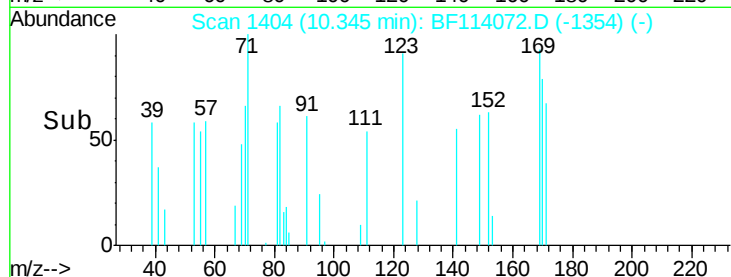
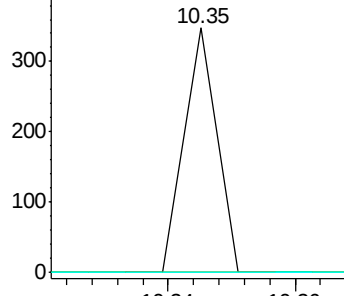
150 0.0 10.3 15.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.011 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Tgt Ion: 77 Resp: 133

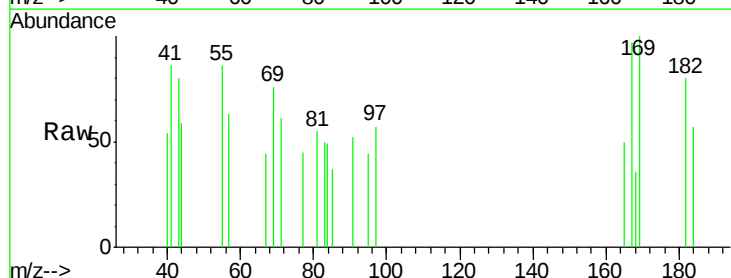
Ion Ratio Lower Upper

77 100

182 179.8 4.4 44.4#

105 0.0 2.2 42.2#

51 0.0 3.9 43.9#

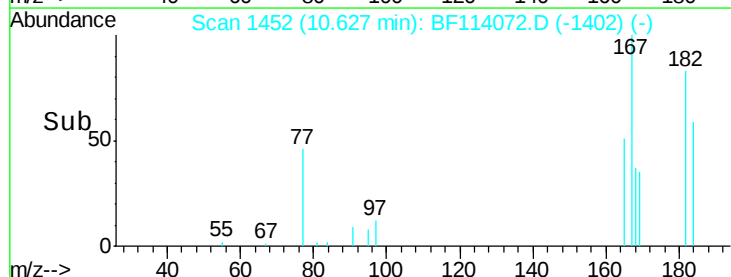
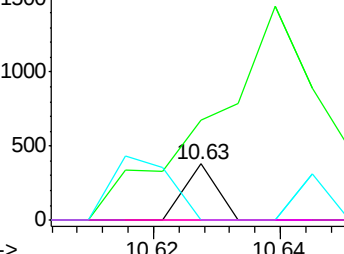


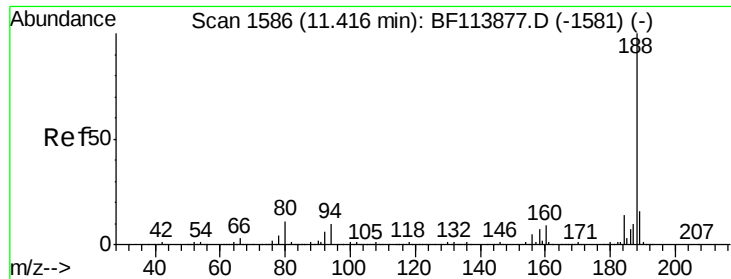
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

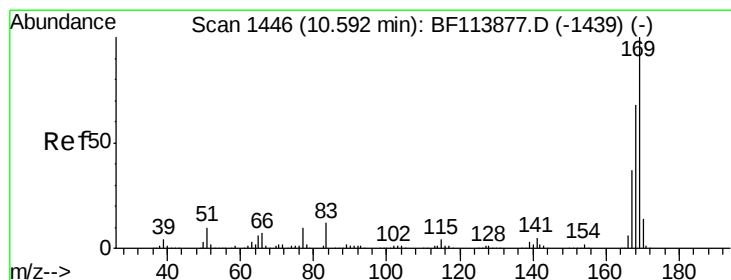
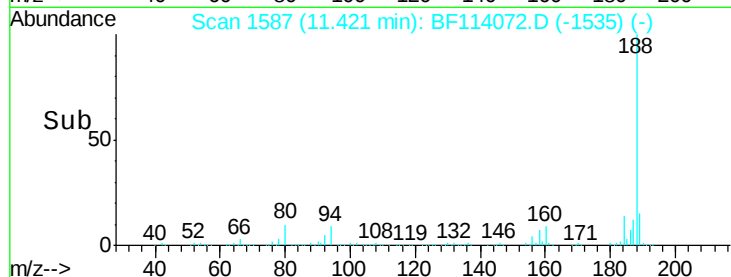
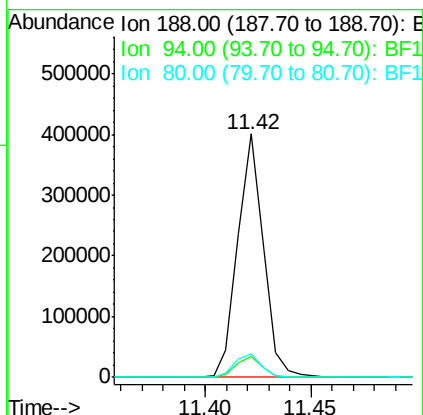
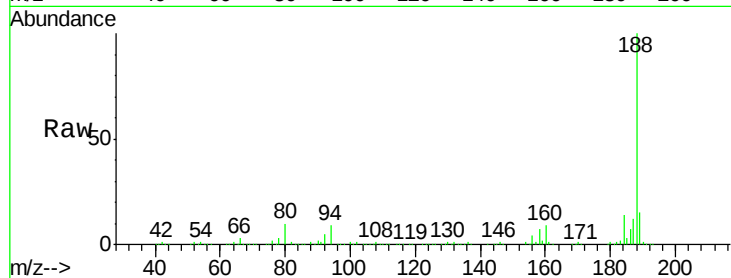




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

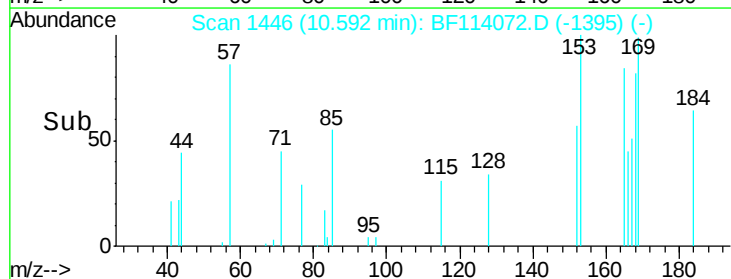
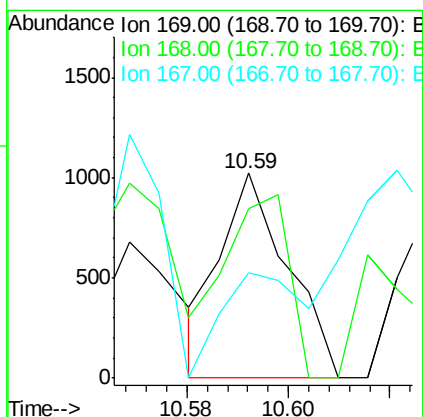
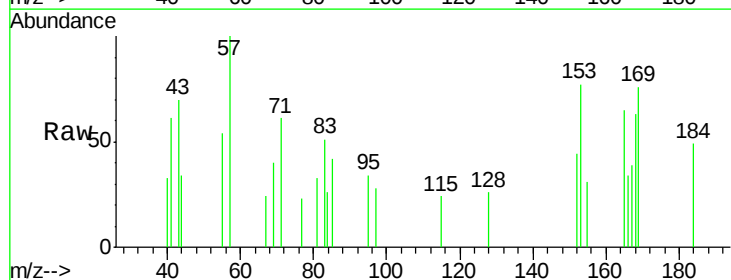
Instrument :
 BNA_F
 ClientSampleId :

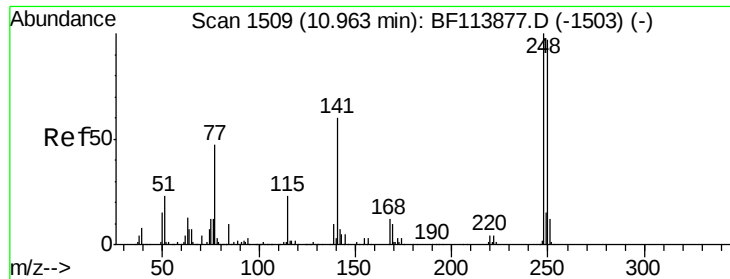
Tot Ion:188 Resp: 335932
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.2 12.4
 80 9.8 9.0 13.6



#66
 n-Nitrosodiphenylamine
 Concen: 0.093 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. 0.00 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Tgt Ion:169 Resp: 935
 Ion Ratio Lower Upper
 169 100
 168 83.0 54.3 81.5#
 167 51.8 29.4 44.0#

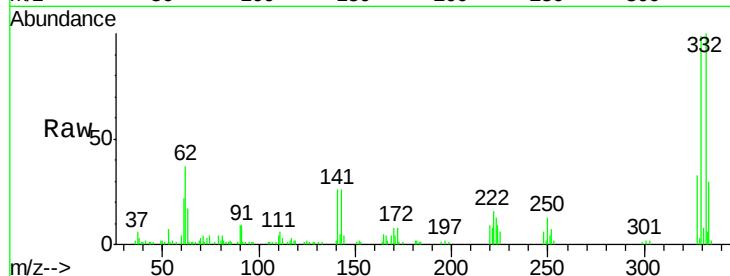




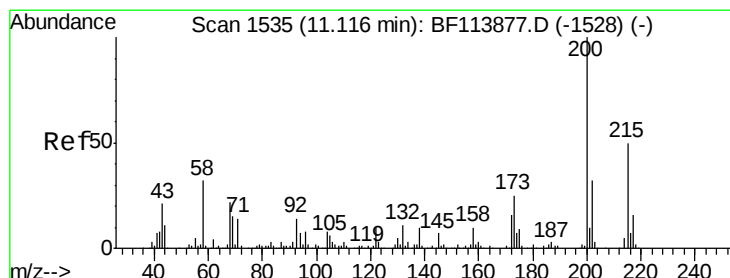
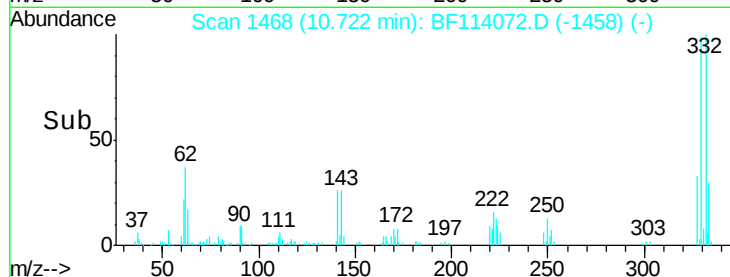
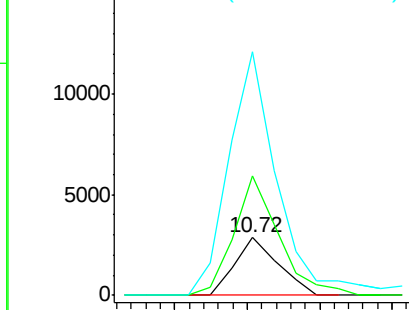
#67
 4-Bromophenyl-phenylether
 Concen: 0.590 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.7	75.8	113.6#
141	302.1	50.2	75.4#

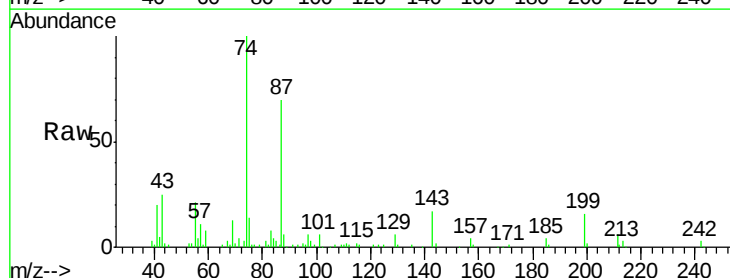


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

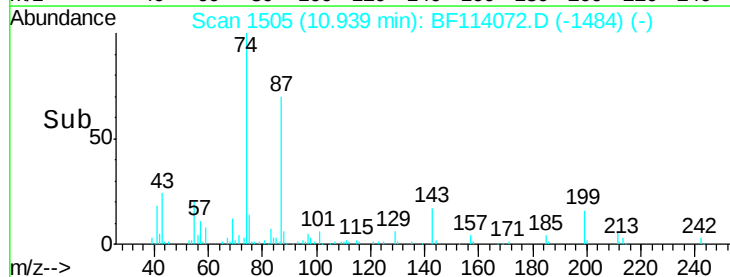
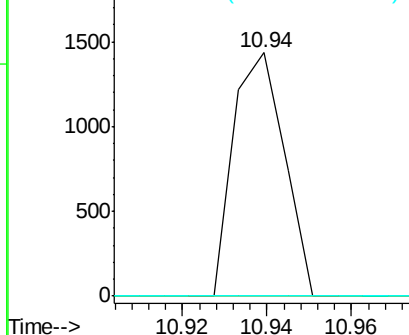


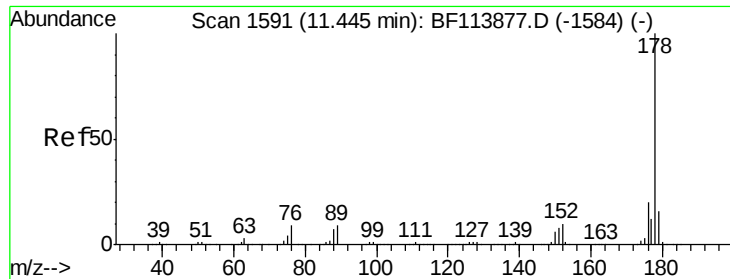
#69
 Atrazine
 Concen: 0.365 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.18 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Tgt Ion	Ratio	Lower	Upper
200	100		
173	0.0	5.9	45.9#
215	0.0	29.3	69.3#



Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

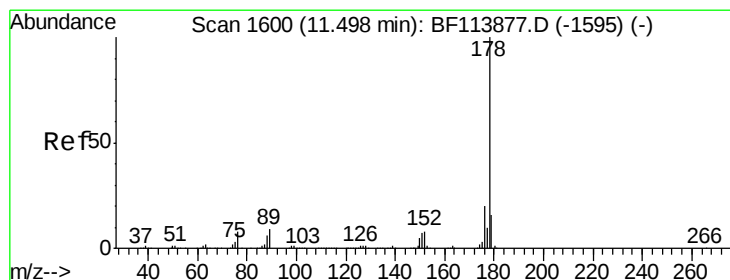
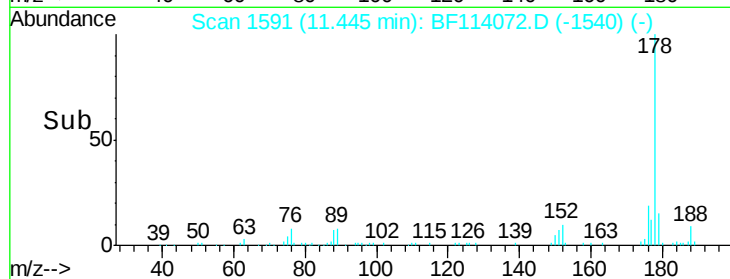
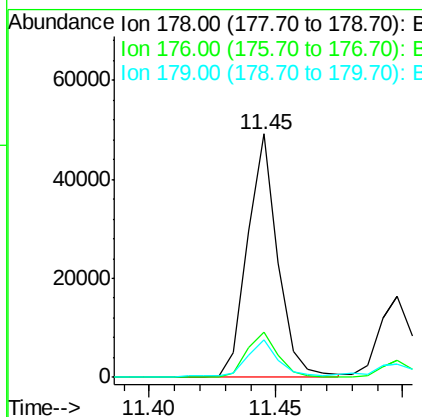
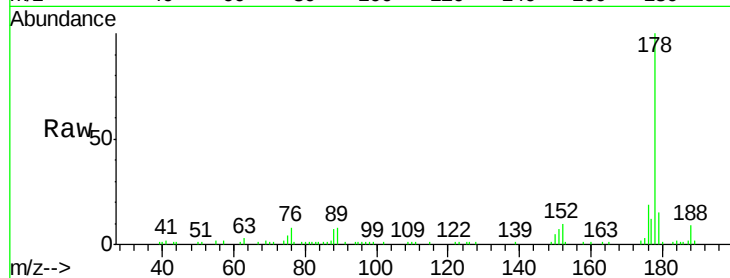




#71
 Phenanthrene
 Concen: 2.416 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

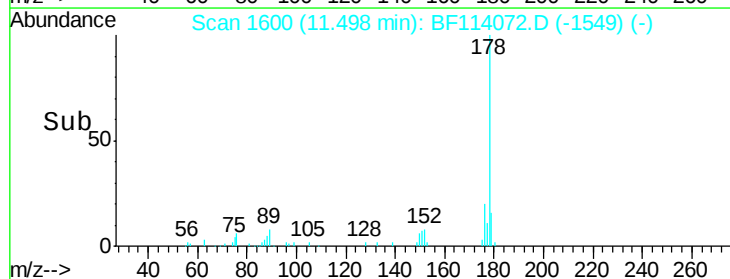
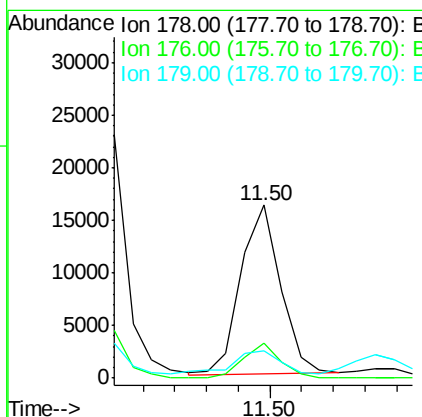
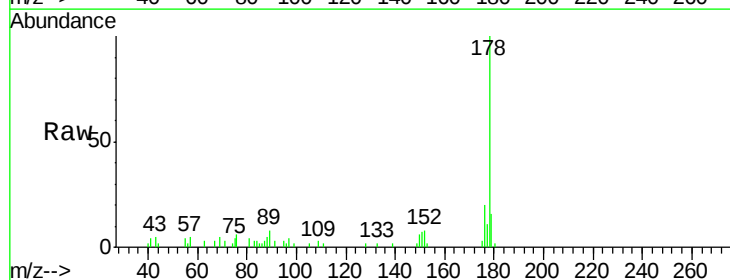
Instrument :
 BNA_F
 ClientSampleId :

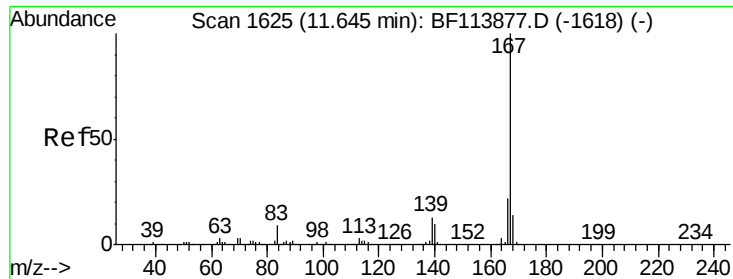
Tot Ion:178 Resp: 40784
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.1 24.1
 179 15.2 12.8 19.2



#72
 Anthracene
 Concen: 0.815 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: BF114072.D
 Acq: 1 May 2019 16:32

Tgt Ion:178 Resp: 13897
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.7 23.5
 179 16.1 13.0 19.4





#73

Carbazole

Concen: 0.111 ng

RT: 11.65 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampled :

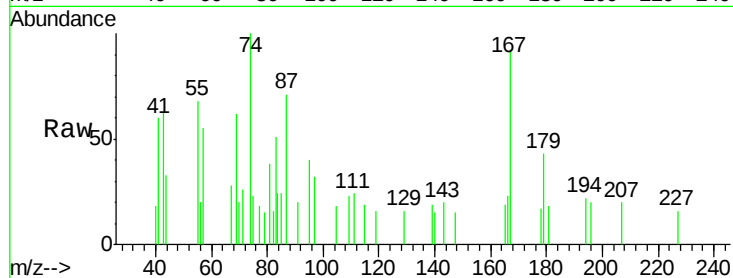
Tot Ion:167 Resp: 1686

Ion Ratio Lower Upper

167 100

166 25.3 17.7 26.5

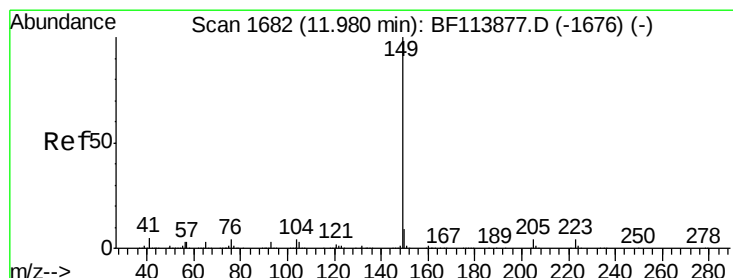
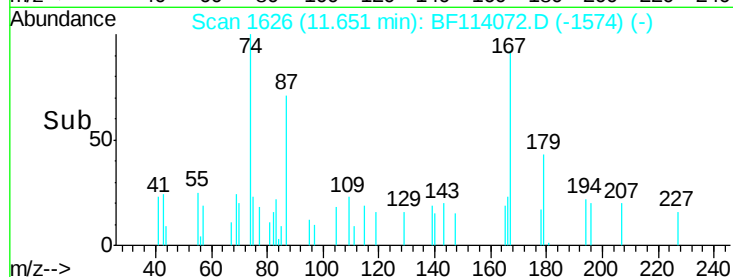
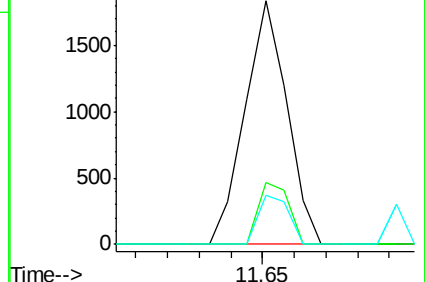
139 20.3 10.0 15.0#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 0.069 ng

RT: 11.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

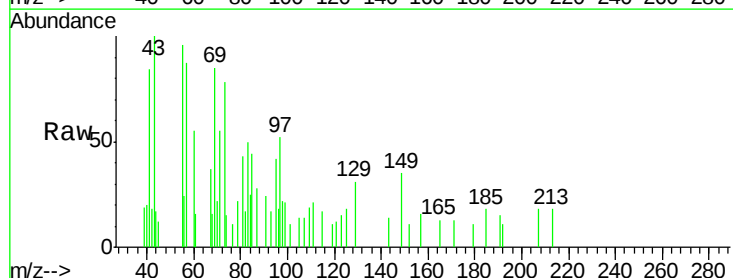
Tgt Ion:149 Resp: 1238

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.8#

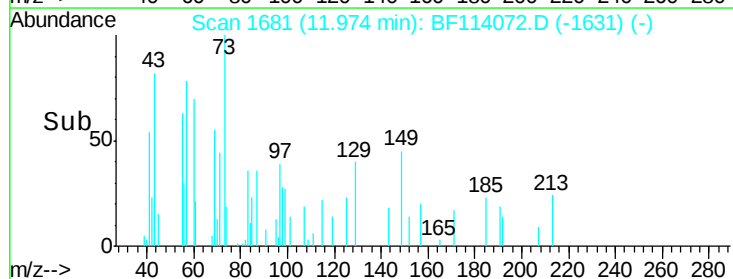
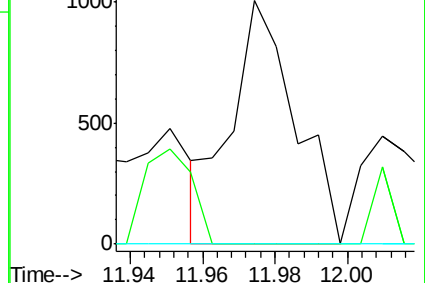
104 0.0 3.8 5.8#

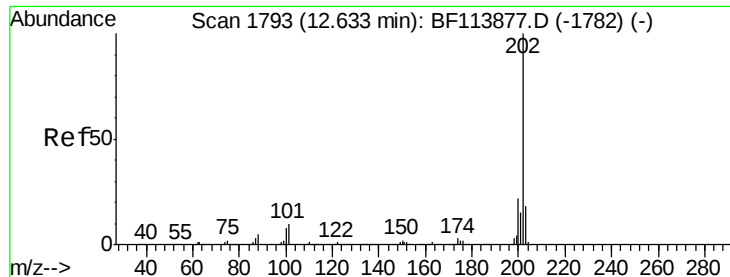


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 2.945 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

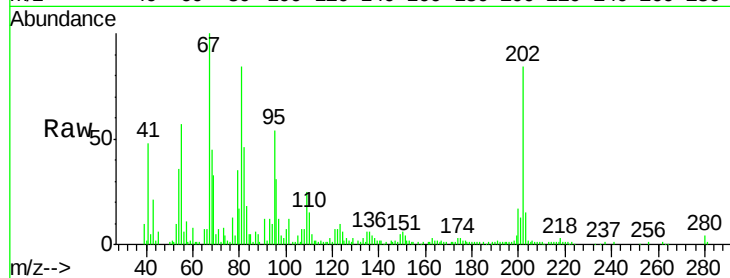
Tot Ion:202 Resp: 54253

Ion Ratio Lower Upper

202 100

101 14.5 0.0 32.9

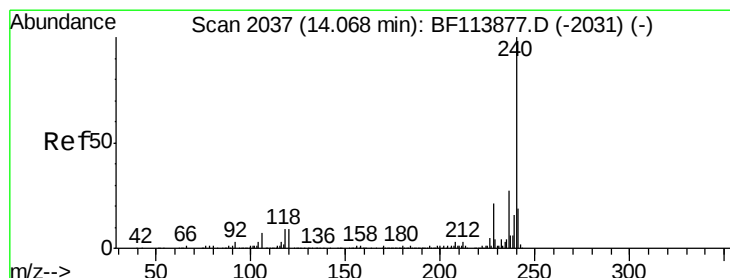
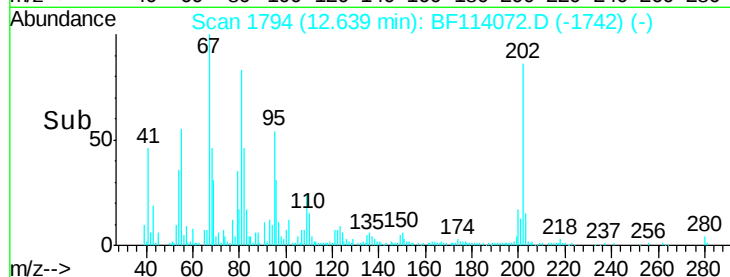
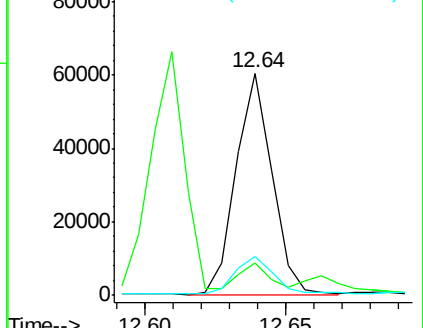
203 17.2 0.0 38.2



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

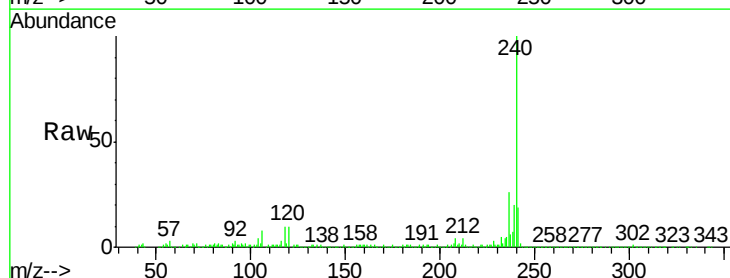
Tgt Ion:240 Resp: 267454

Ion Ratio Lower Upper

240 100

120 10.1 9.3 13.9

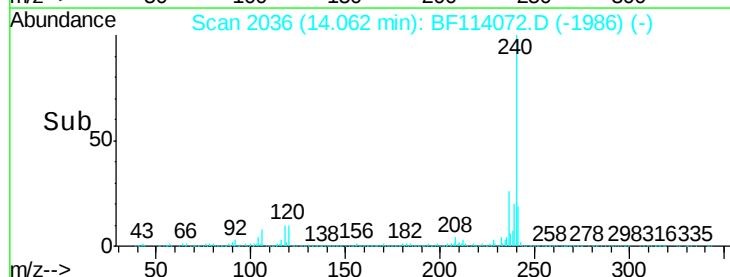
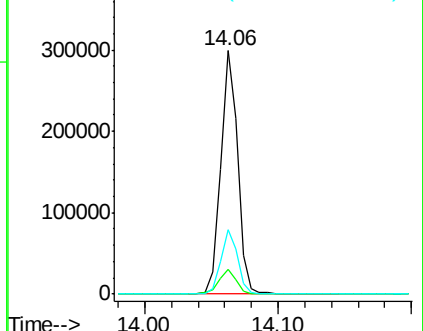
236 26.4 21.2 31.8

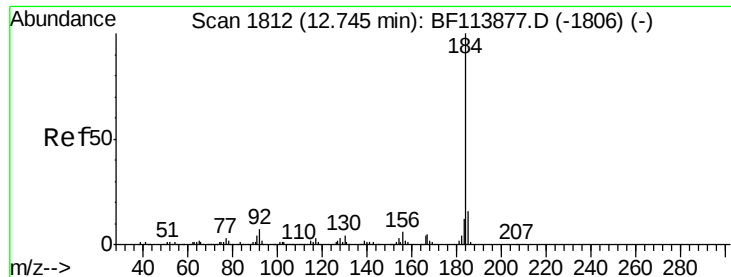


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.015 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.02 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

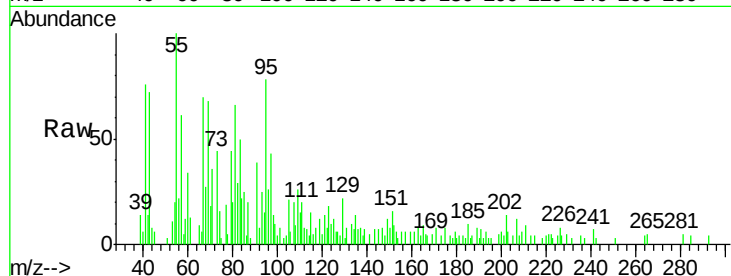
Tot Ion:184 Resp: 119

Ion Ratio Lower Upper

184 100

185 277.1 13.0 19.6#

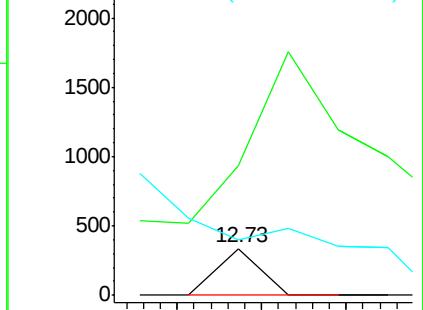
183 117.6 9.4 14.0#



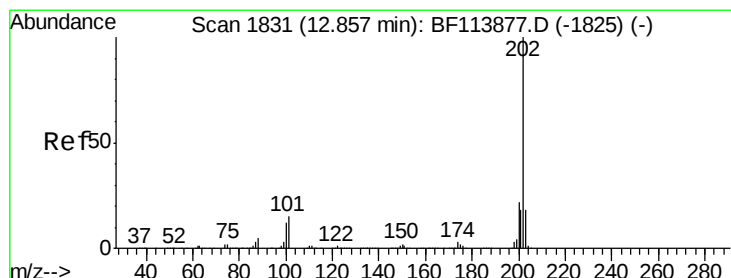
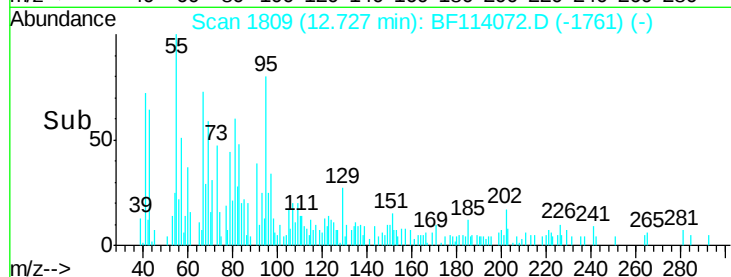
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 3.482 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

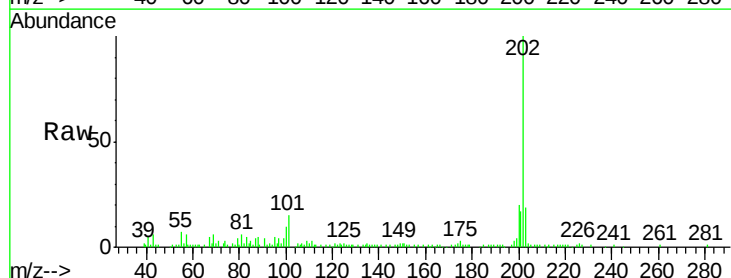
Tgt Ion:202 Resp: 65118

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

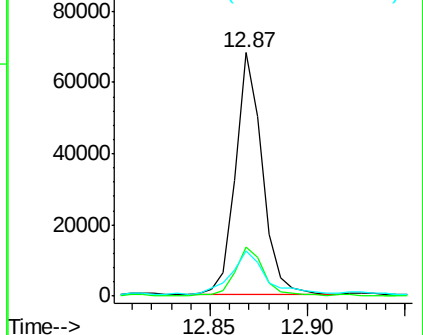
203 18.5 15.0 22.6



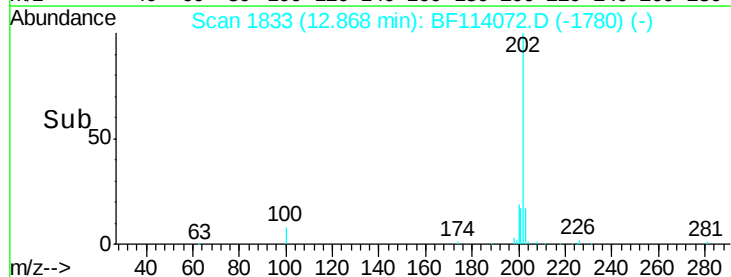
Abundance Ion 202.00 (201.70 to 202.70): E

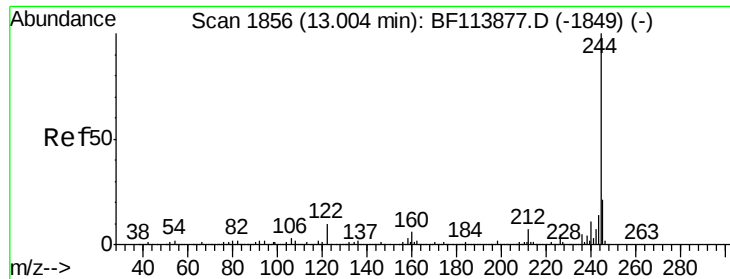
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 16.497 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

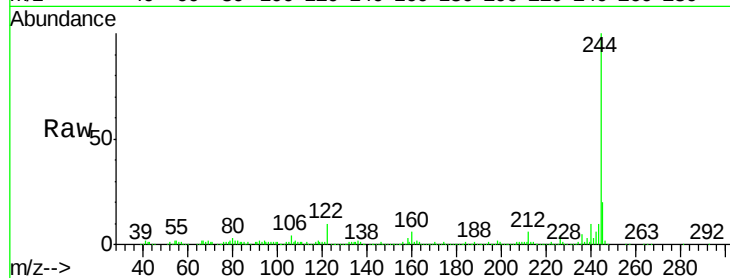
Tot Ion:244 Resp: 215210

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

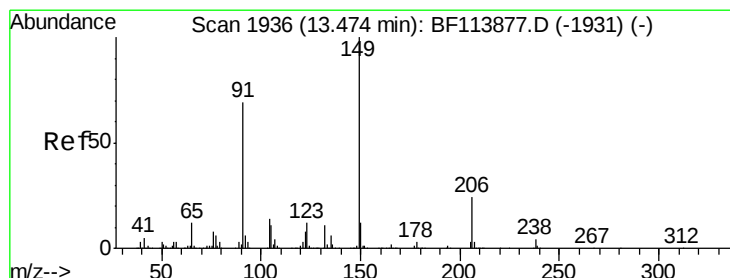
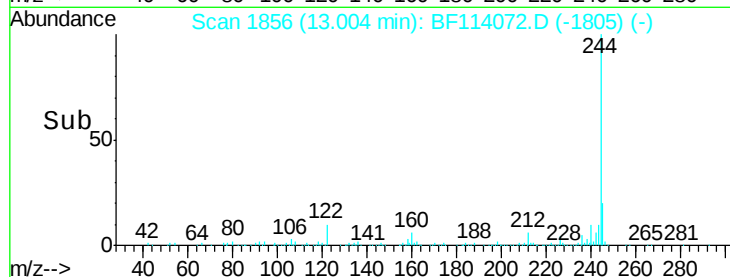
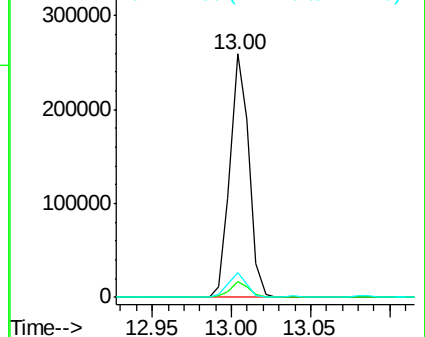
122 10.4 7.6 11.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.255 ng

RT: 13.49 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

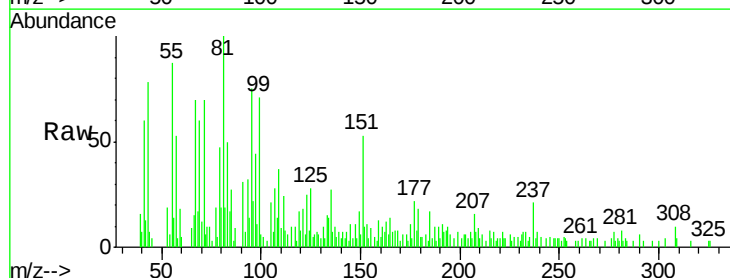
Tgt Ion:149 Resp: 1879

Ion Ratio Lower Upper

149 100

91 179.6 56.3 84.5#

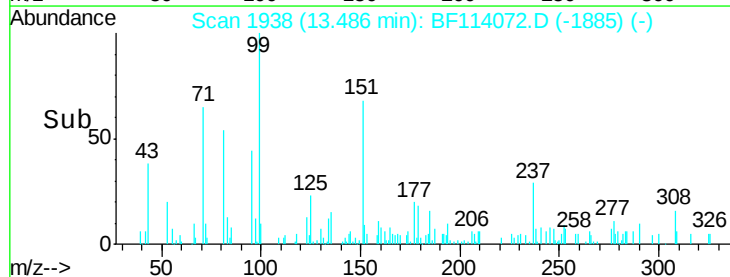
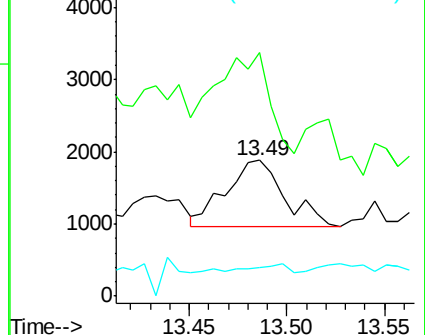
206 21.5 19.0 28.6

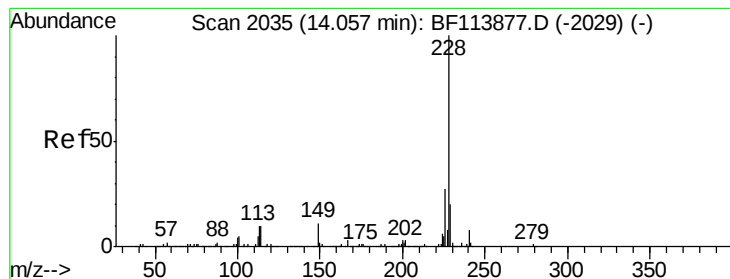


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 1.627 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

Instrument :

BNA_F

ClientSampleId :

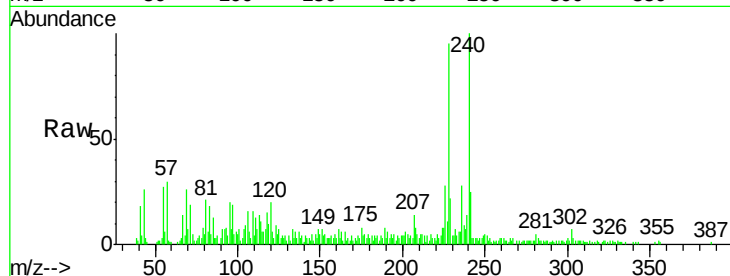
Tot Ion:228 Resp: 25645

Ion Ratio Lower Upper

228 100

226 29.9 22.2 33.2

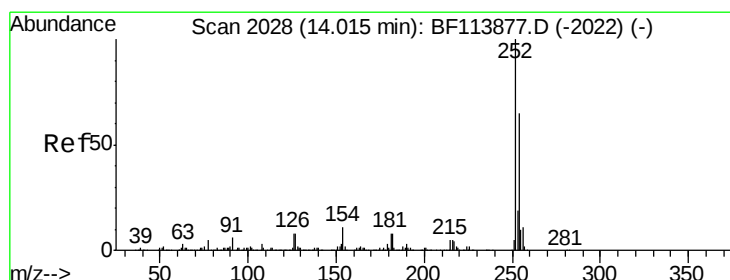
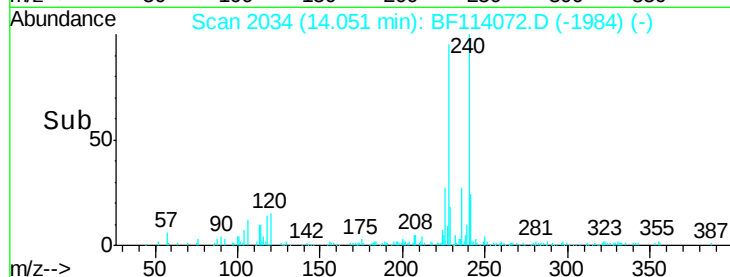
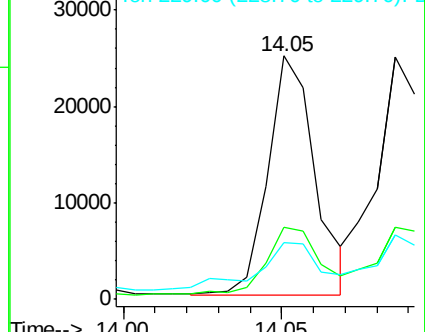
229 23.5 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.017 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF114072.D

Acq: 1 May 2019 16:32

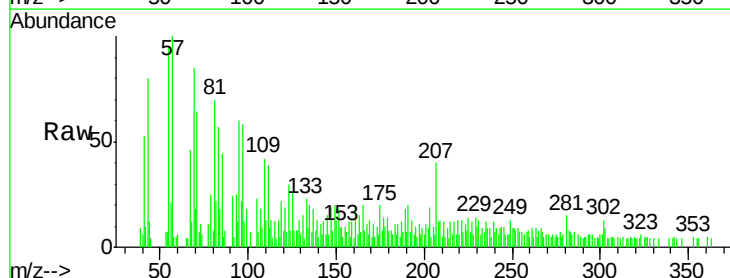
Tgt Ion:252 Resp: 101

Ion Ratio Lower Upper

252 100

254 81.8 52.1 78.1#

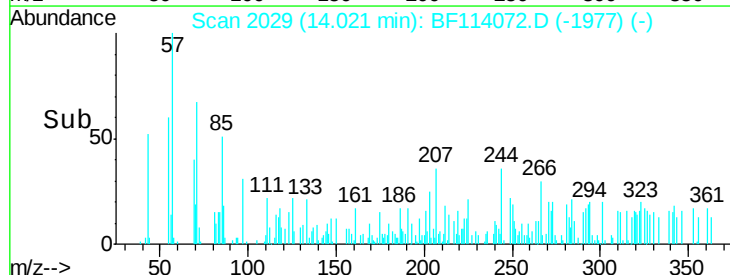
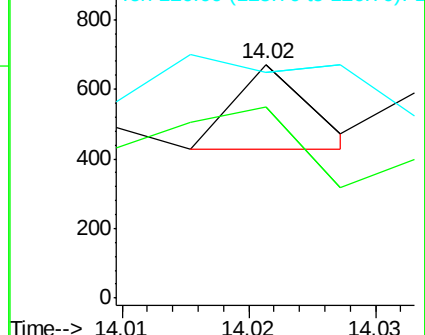
126 96.3 9.3 13.9#

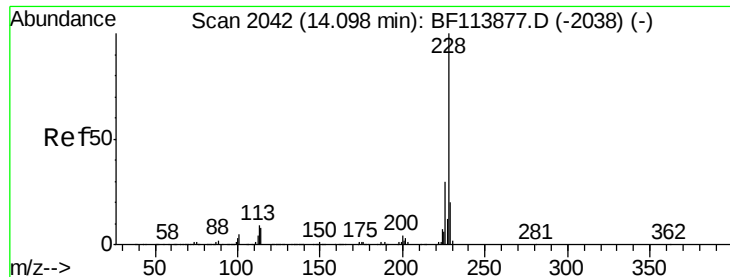


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

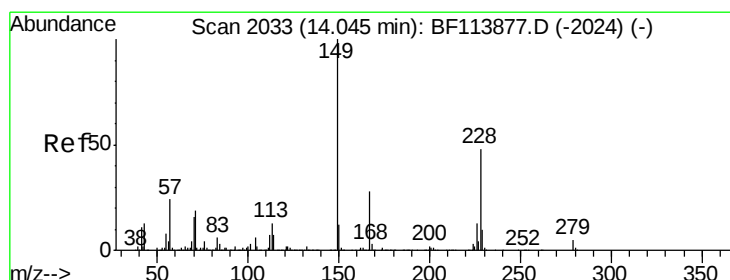
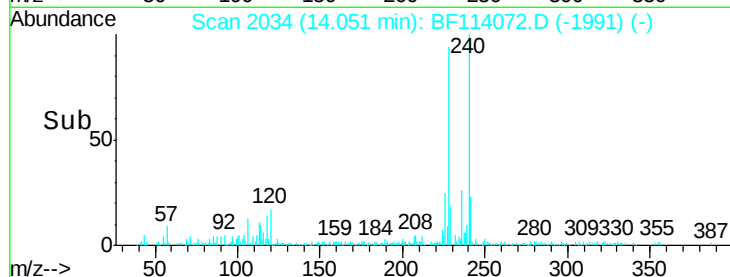
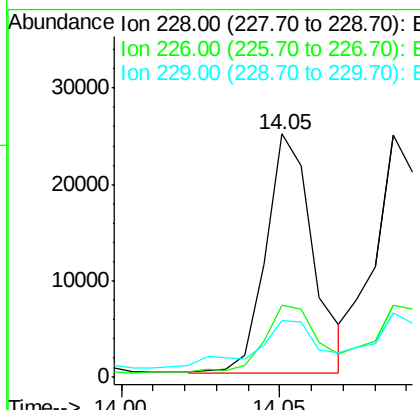
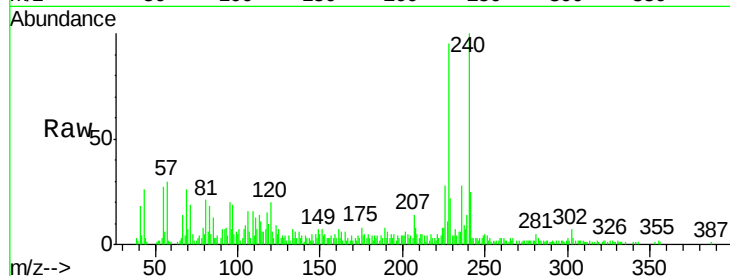




#83
Chrysene
Concen: 1.671 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.05 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

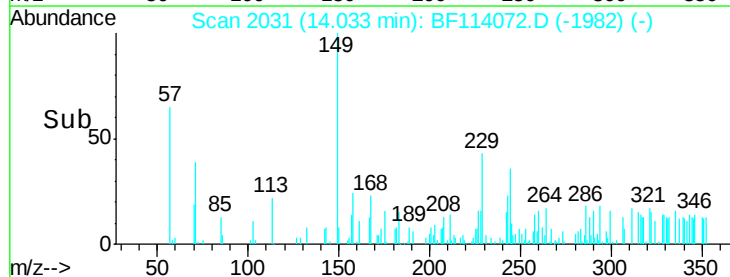
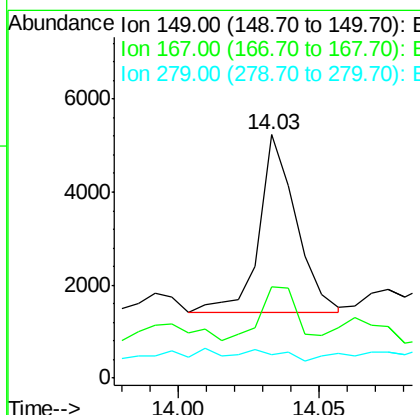
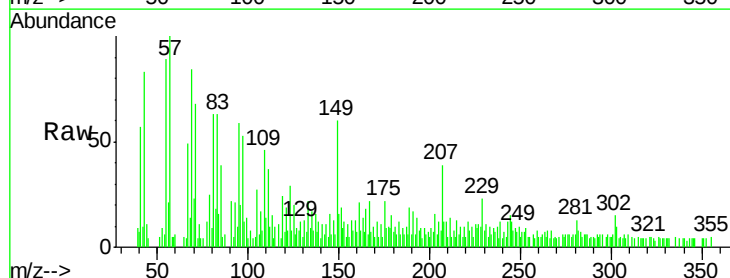
Instrument :
BNA_F
ClientSampleId :

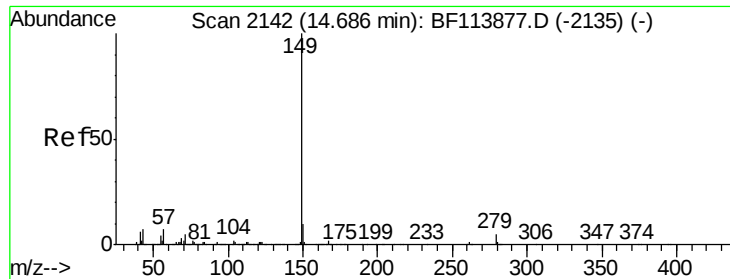
Tot Ion:228 Resp: 25645
Ion Ratio Lower Upper
228 100
226 29.9 25.2 37.8
229 23.5 16.7 25.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.376 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion:149 Resp: 3518
Ion Ratio Lower Upper
149 100
167 37.2 22.9 34.3#
279 9.8 4.2 6.2#

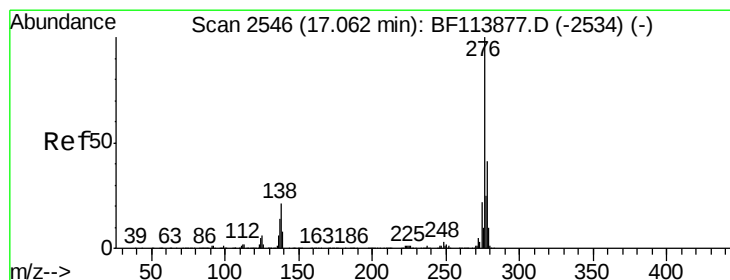
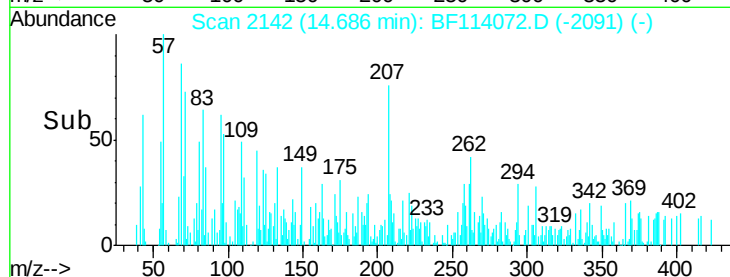
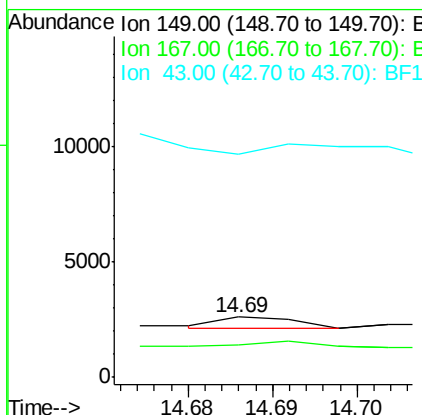
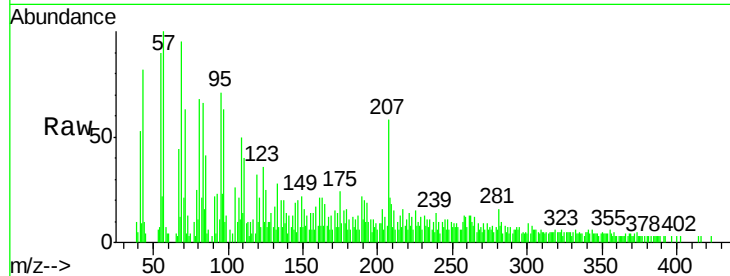




#85
Di-n-octyl phthalate
Concen: 0.020 ng
RT: 14.69 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

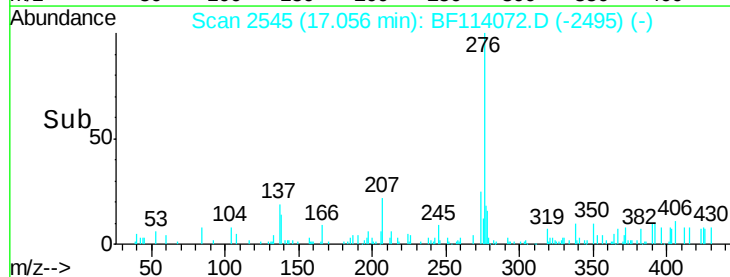
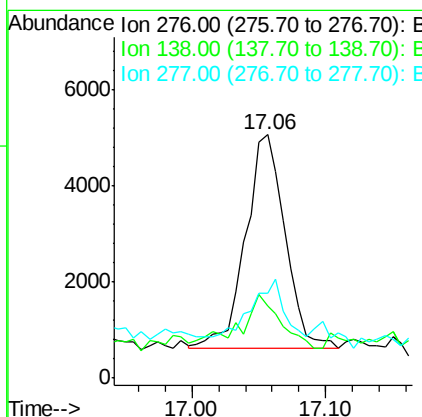
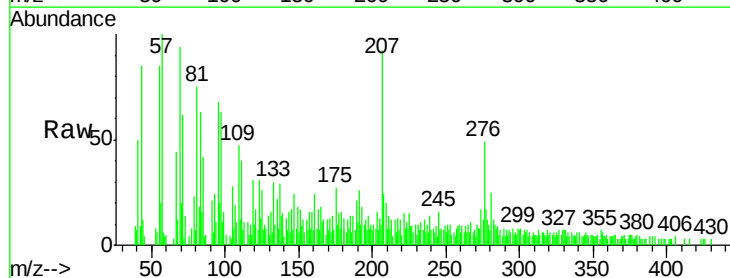
Instrument :
BNA_F
ClientSampleId :

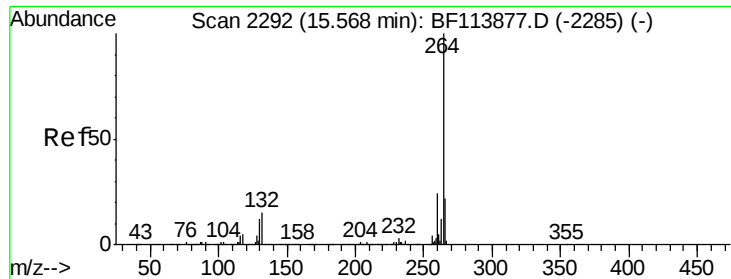
Tot Ion:149 Resp: 299
Ion Ratio Lower Upper
149 100
167 62.9 1.3 1.9#
43 236.8 6.6 10.0#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.620 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion:276 Resp: 9009
Ion Ratio Lower Upper
276 100
138 26.2 19.6 29.4
277 23.7 20.2 30.4

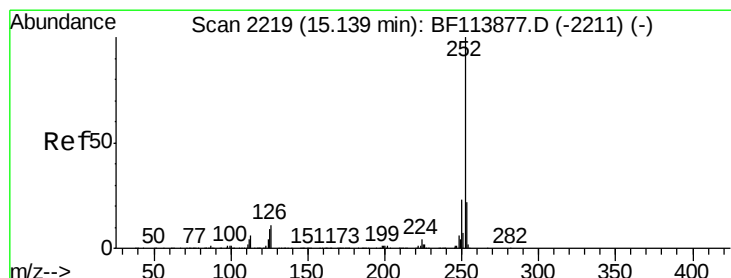
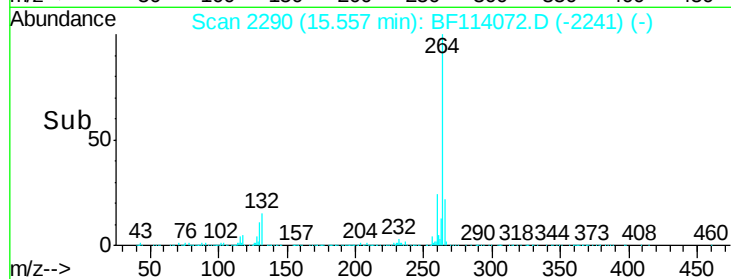
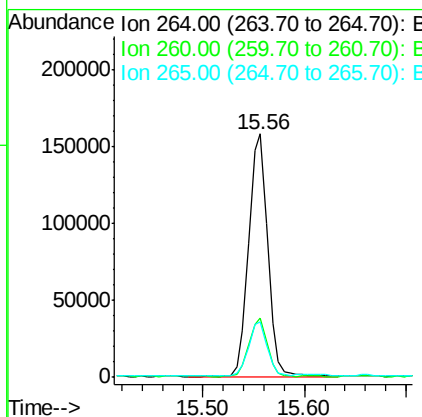
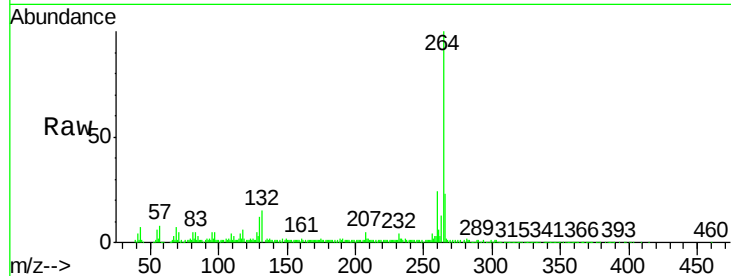




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

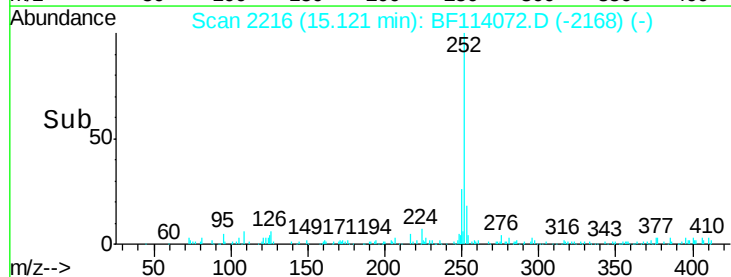
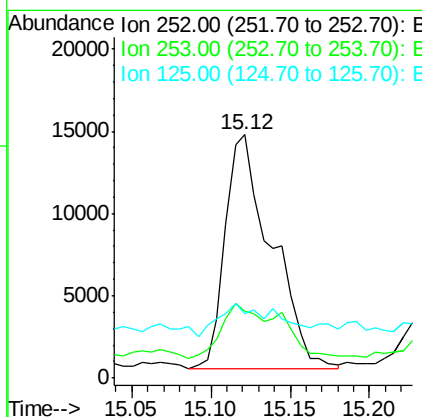
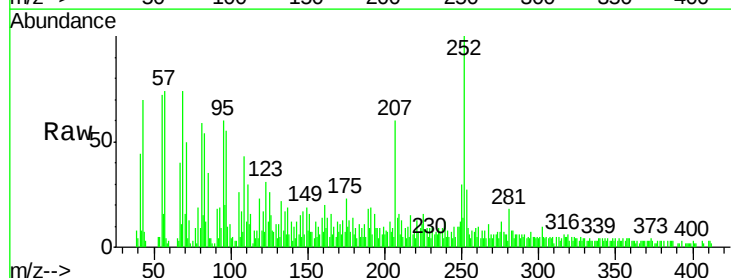
Instrument :
BNA_F
ClientSampleId :

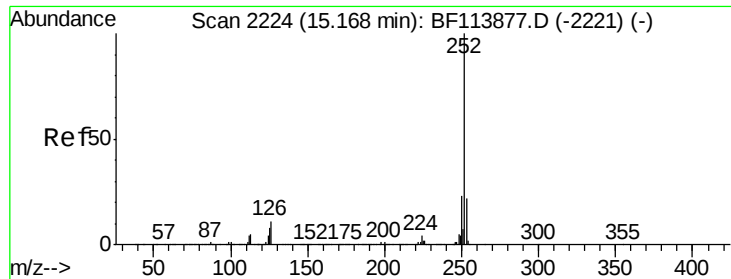
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	22.6	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 2.221 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.8	26.6#
125	26.4	7.0	10.6#

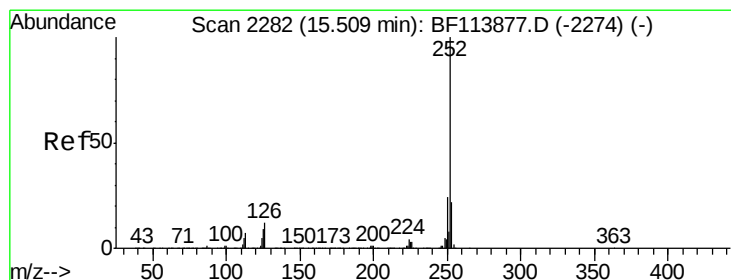
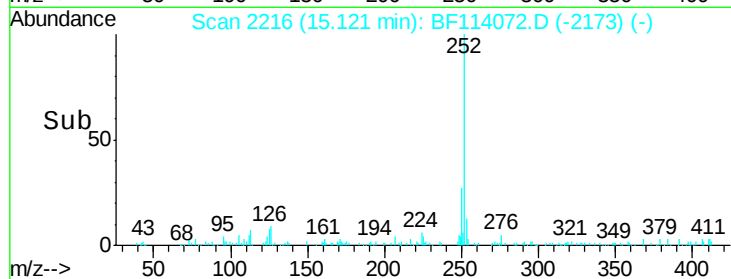
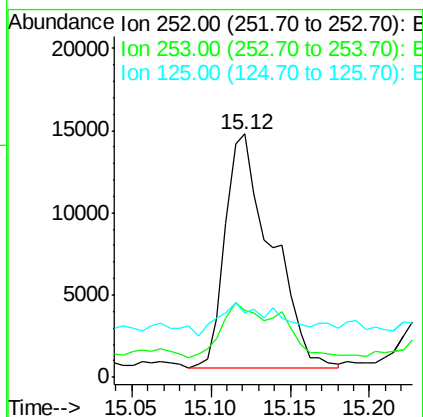
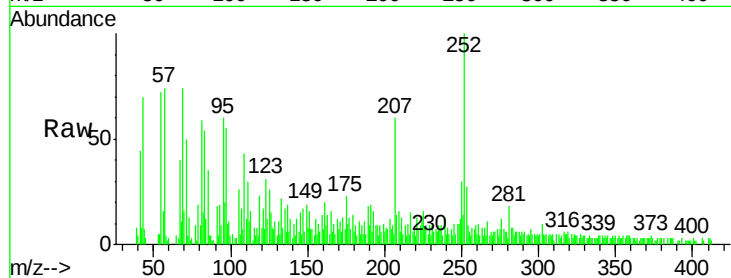




#89
Benzo(k)fluoranthene
Concen: 2.582 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

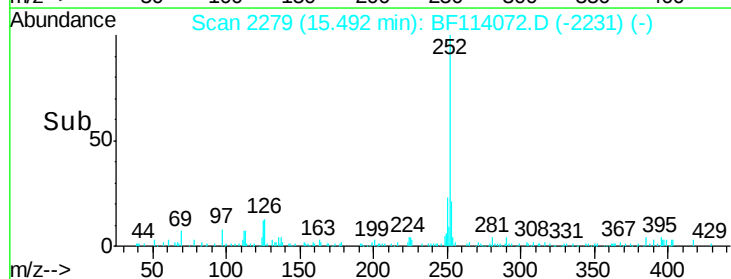
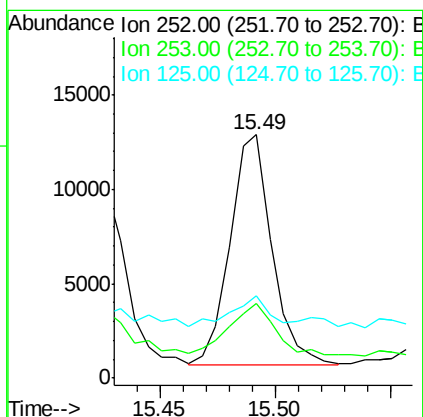
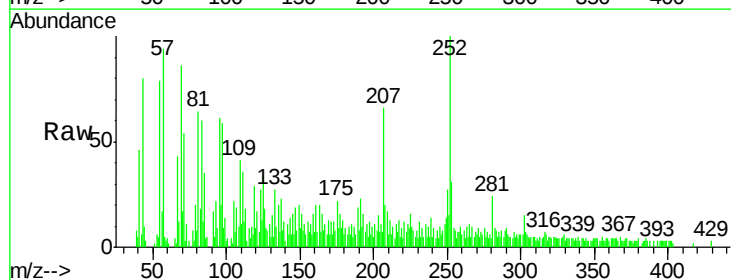
Instrument :
BNA_F
ClientSampleId :

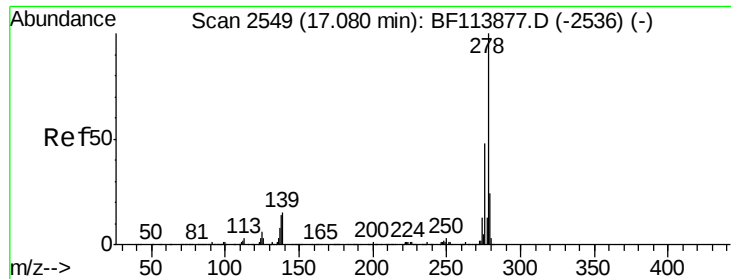
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.2	27.2#
125	26.4	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 1.375 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.5	26.3#
125	33.8	8.5	12.7#

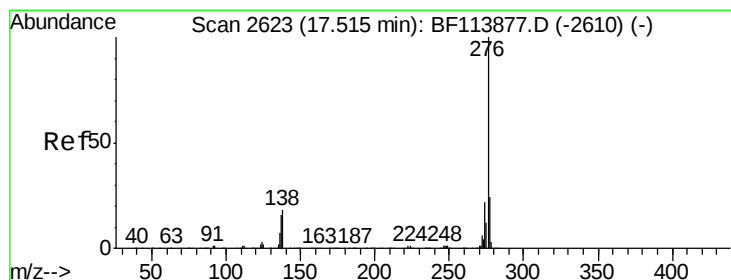
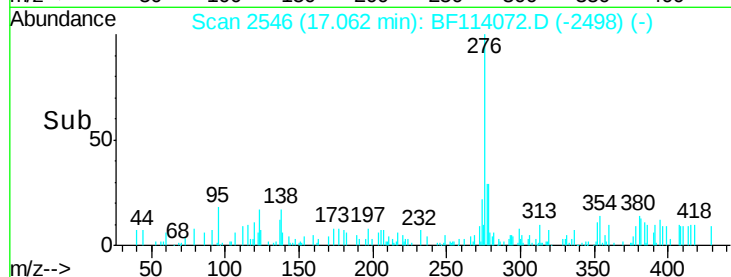
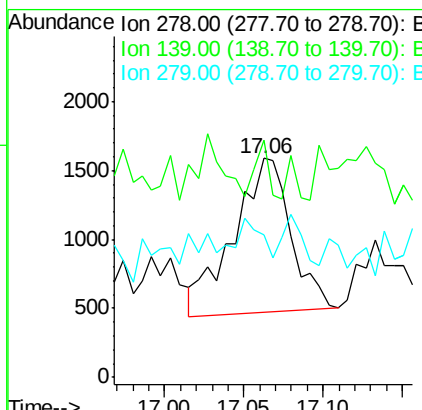
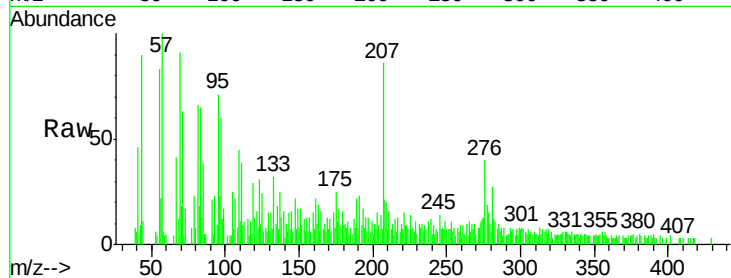




#91
Dibenzo(a,h)anthracene
Concen: 0.266 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 2802
Ion Ratio Lower Upper
278 100
139 108.3 11.6 17.4#
279 65.4 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 0.851 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.00 min
Lab File: BF114072.D
Acq: 1 May 2019 16:32

Tgt Ion:276 Resp: 9062
Ion Ratio Lower Upper
276 100
277 34.5 19.0 28.4#
138 31.2 16.6 25.0#

