

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114686.D
 Acq On : 31 May 2019 2:58
 Operator : HP/JU
 Sample : K3065-08 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:49:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	345447	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	1287791	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	566236	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1034040	20.00	ng	0.00
76) Chrysene-d12	13.82	240	706709	20.00	ng	0.00
87) Perylene-d12	15.21	264	582122	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	479055	24.35	ng	0.00
7) Phenol-d6	6.32	99	748522	31.57	ng	0.00
23) Nitrobenzene-d5	7.25	82	354774	17.19	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	133585	24.76	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	651340	6.91	ng	0.00
79) Terphenyl-d14	12.77	244	690896	18.38	ng	0.00

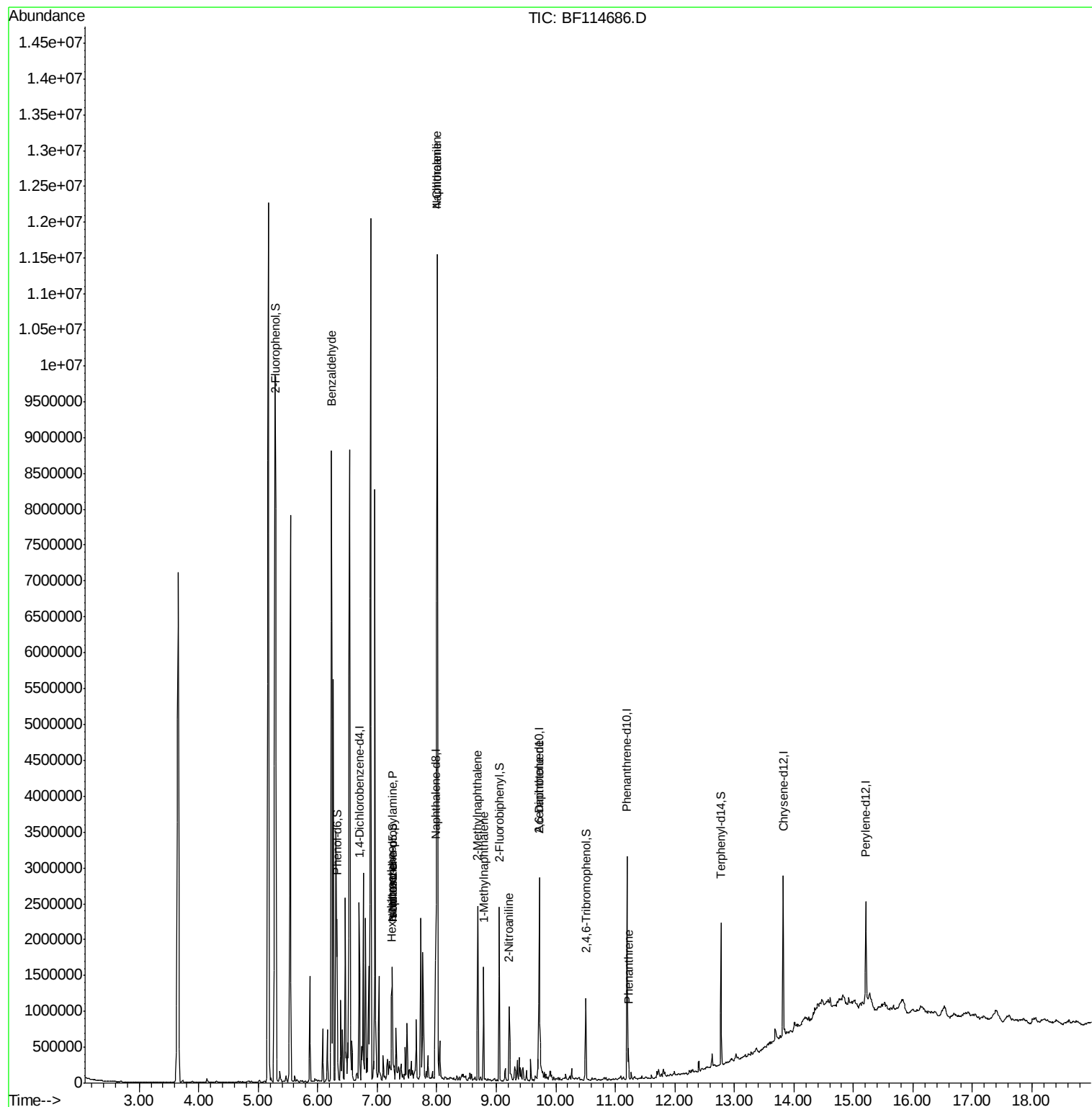
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.23	77	411204	27.878	ng	# 1
18) Hexachloroethane	7.24	117	124162	12.627	ng	# 1
19) n-Nitroso-di-n-propylamine	7.25	70	62606	3.825	ng	# 76
25) Isophorone	7.25	82	340505	8.220	ng	# 63
31) Naphthalene	8.01	128	6109649	102.998	ng	# 92
33) 4-Chloroaniline	8.01	127	1004600	35.547	ng	# 35
37) 2-Methylnaphthalene	8.69	142	677473	17.189	ng	97
38) 1-Methylnaphthalene	8.79	142	370158	9.913	ng	98
48) 2-Nitroaniline	9.22	65	24850	2.336	ng	# 6
51) 2,6-Dinitrotoluene	9.72	165	83304	9.086	ng	# 31
58) Fluorene	10.27	166	41858	Below Cal		100
71) Phenanthrene	11.22	178	153404	2.908	ng	95
74) Di-n-butylphthalate	11.77	149	1509	Below Cal	#	43

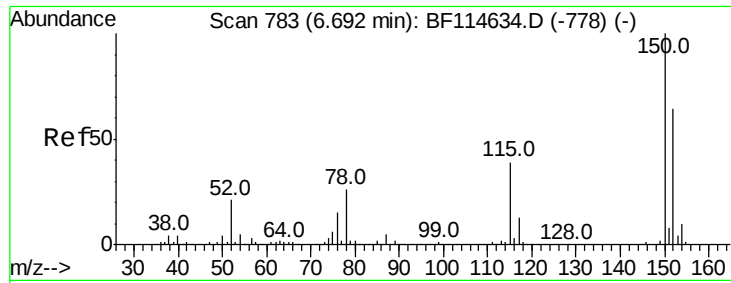
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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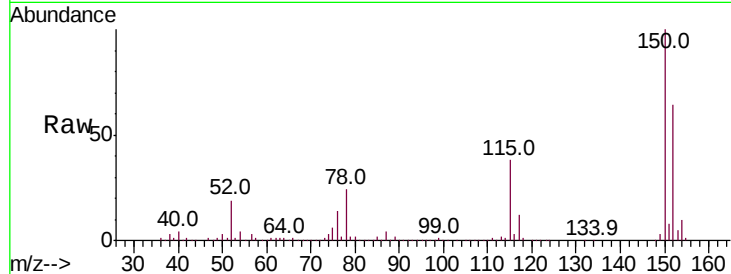


#1

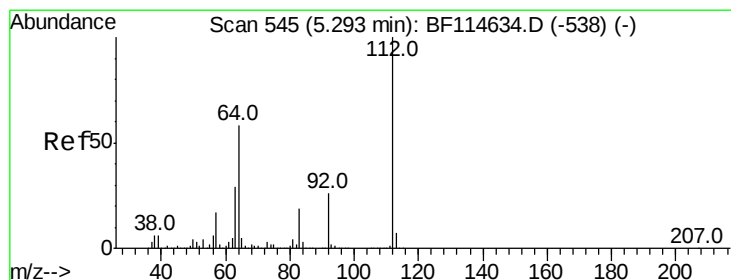
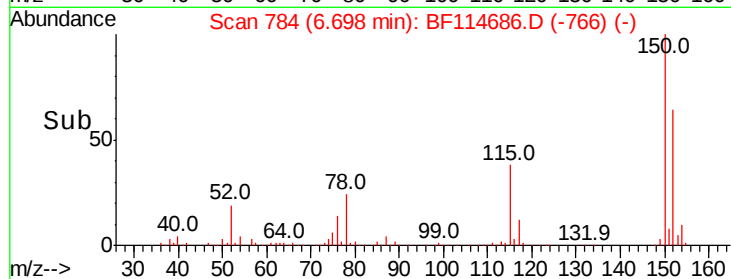
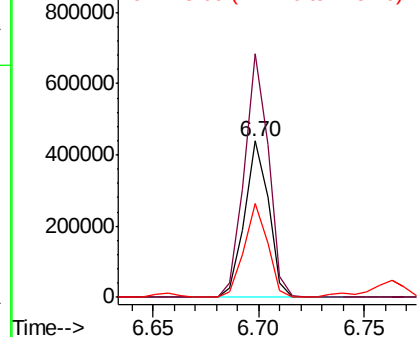
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114686.D
Acq: 31 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 345447
Ion Ratio Lower Upper
152 100
150 155.9 124.4 186.6
115 59.7 48.7 73.1



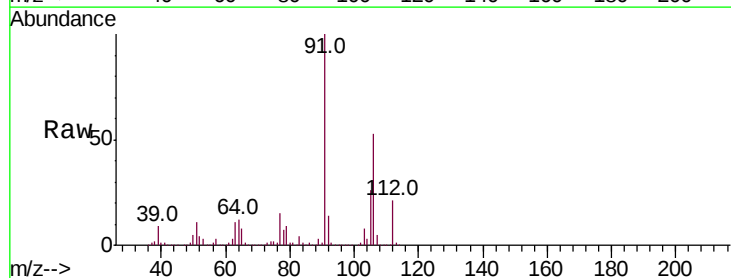
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



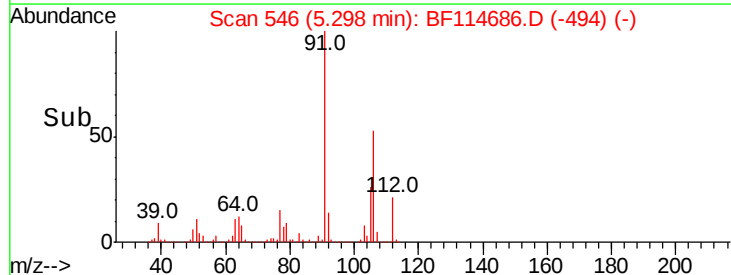
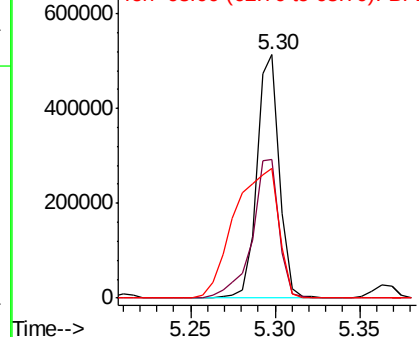
#5

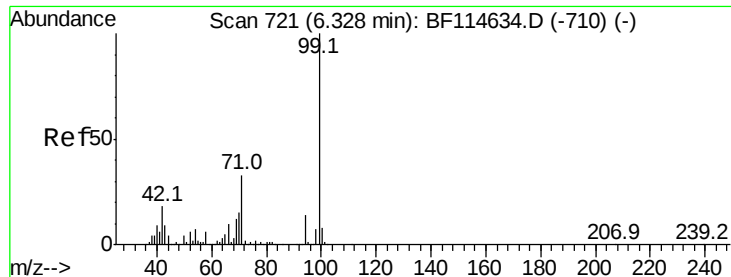
2-Fluorophenol
Concen: 24.348 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.01 min
Lab File: BF114686.D
Acq: 31 May 2019 2:58

Tgt Ion:112 Resp: 479055
Ion Ratio Lower Upper
112 100
64 57.1 46.1 69.1
63 53.5 23.4 35.2#



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: 31.570 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

Instrument :

BNA_F

ClientSampleId :

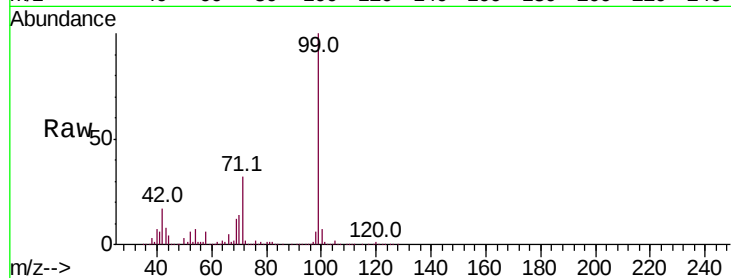
Tot Ion: 99 Resp: 748522

Ion Ratio Lower Upper

99 100

42 16.8 14.7 22.1

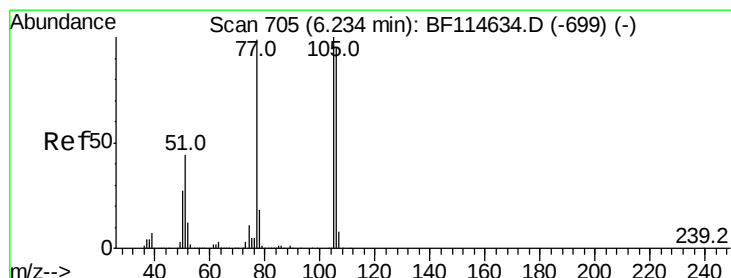
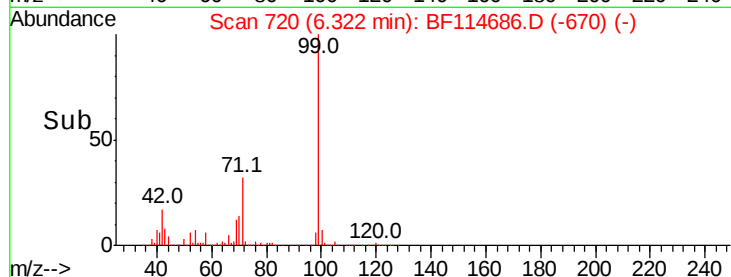
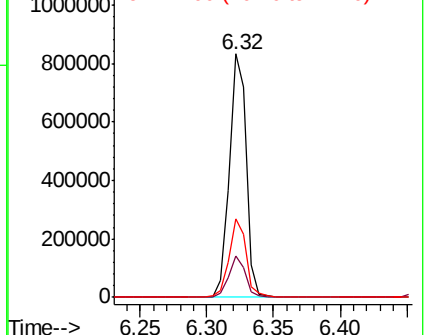
71 32.4 26.6 40.0



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: 27.878 ng

RT: 6.23 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

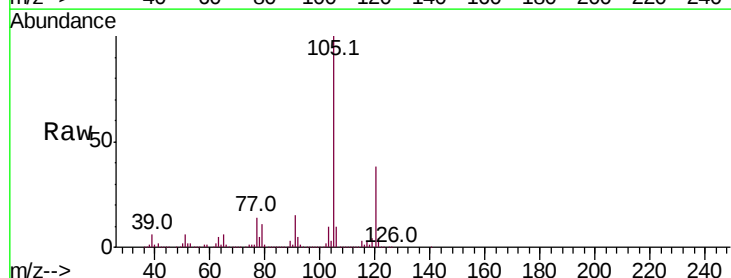
Tgt Ion: 77 Resp: 411204

Ion Ratio Lower Upper

77 100

105 703.8 80.8 120.8#

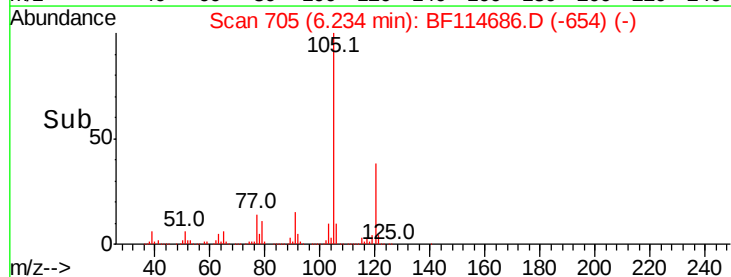
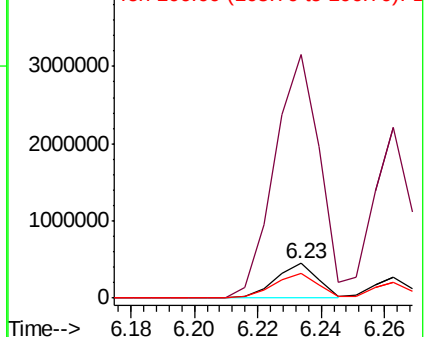
106 72.5 76.2 116.2#

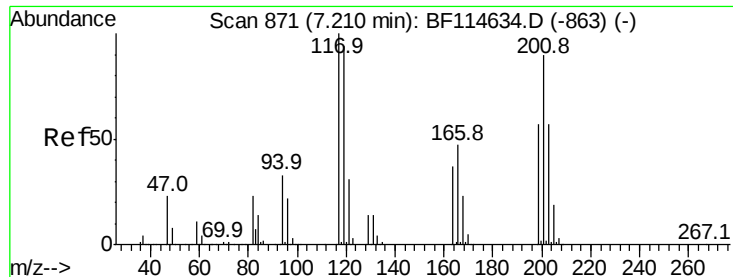


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#18

Hexachloroethane

Concen: 12.627 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.03 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

Instrument :

BNA_F

ClientSampleId :

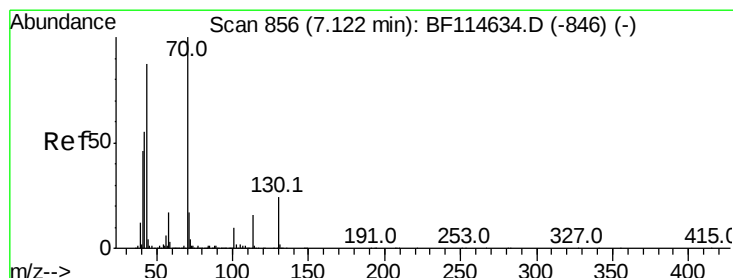
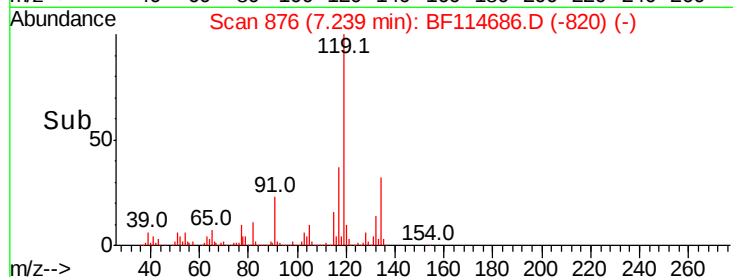
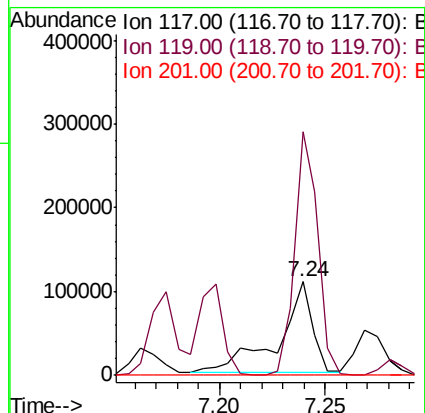
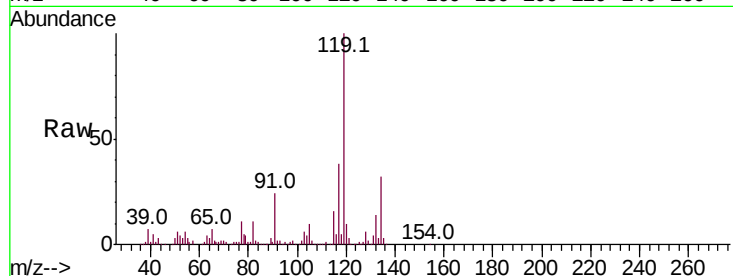
Tot Ion:117 Resp: 124162

Ion Ratio Lower Upper

117 100

119 260.4 75.6 113.4#

201 0.0 71.7 107.5#



#19

n-Nitroso-di-n-propylamine

Concen: 3.825 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

Tgt Ion: 70 Resp: 62606

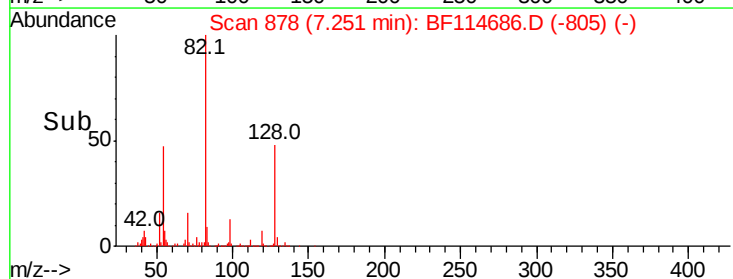
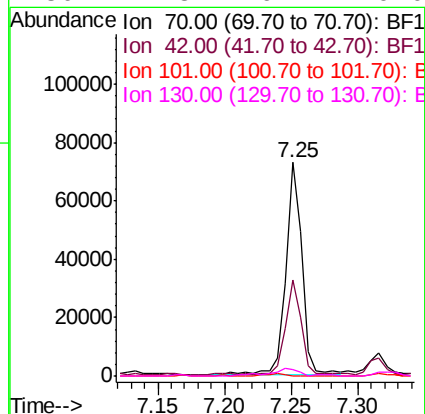
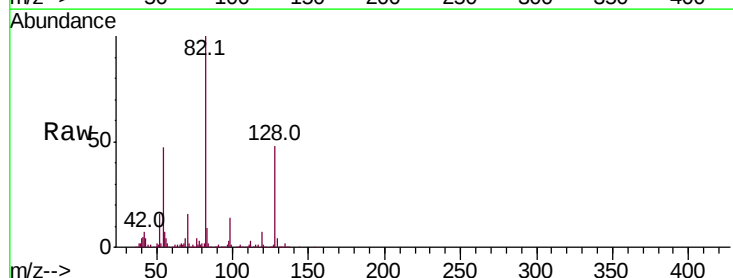
Ion Ratio Lower Upper

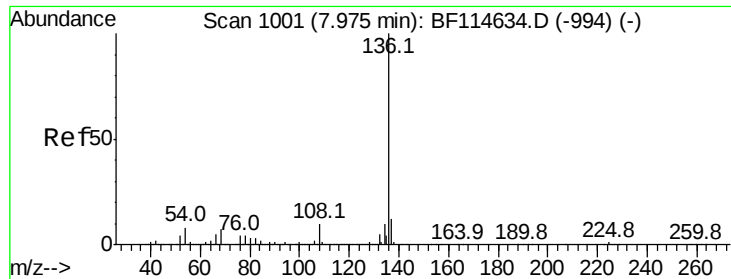
70 100

42 45.2 44.4 66.6

101 0.0 8.2 12.4#

130 2.8 19.4 29.0#

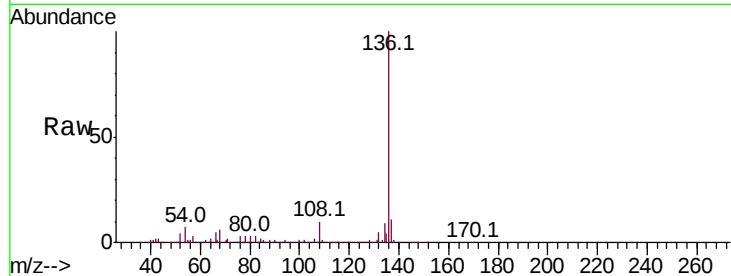




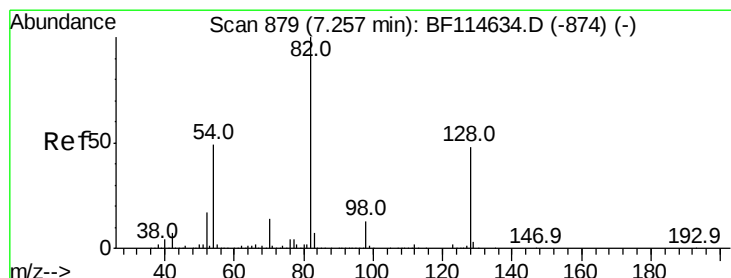
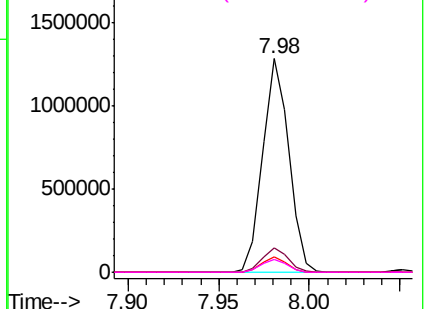
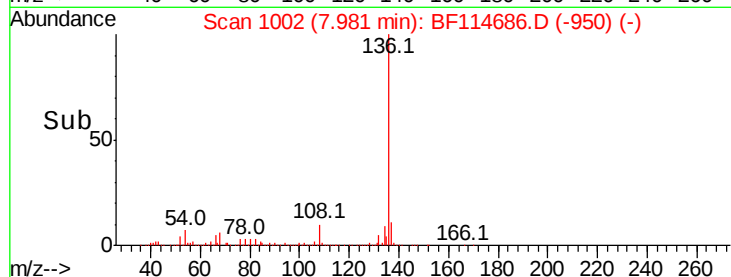
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF114686.D
Acq: 31 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1287791
Ion Ratio Lower Upper
136 100
137 11.4 9.3 13.9
54 7.0 6.3 9.5
68 5.9 5.4 8.0

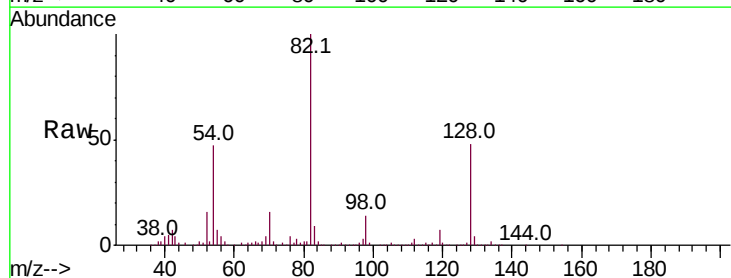


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

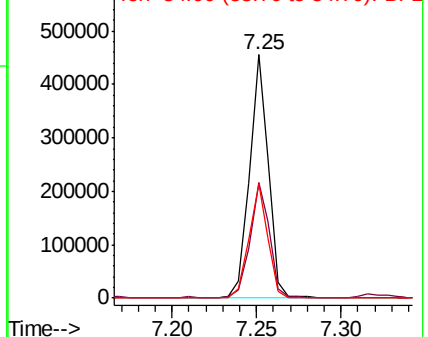
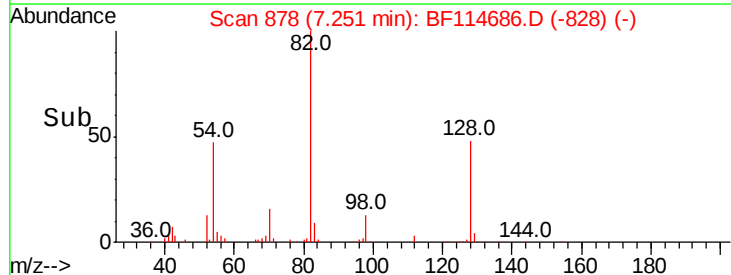


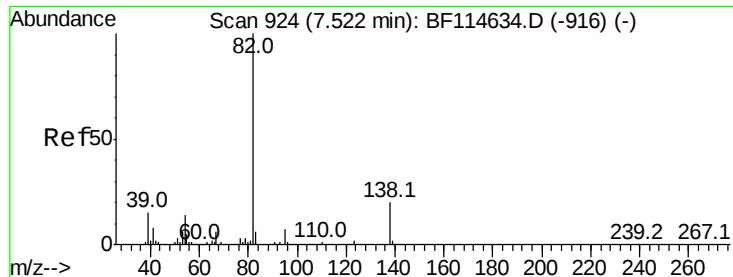
#23
Nitrobenzene-d5
Concen: 17.188 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114686.D
Acq: 31 May 2019 2:58

Tgt Ion: 82 Resp: 354774
Ion Ratio Lower Upper
82 100
128 47.7 38.5 57.7
54 46.8 39.1 58.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
600000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.220 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

Instrument :

BNA_F

ClientSampleId :

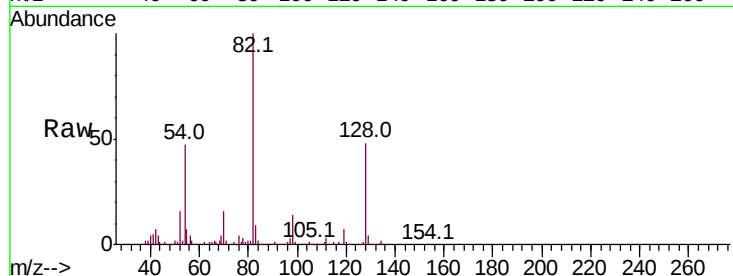
Tot Ion: 82 Resp: 340505

Ion Ratio Lower Upper

82 100

95 0.5 5.6 8.4#

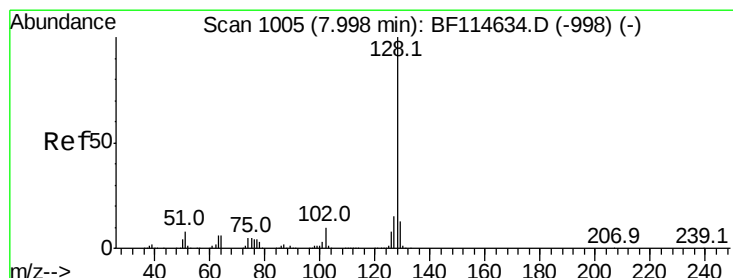
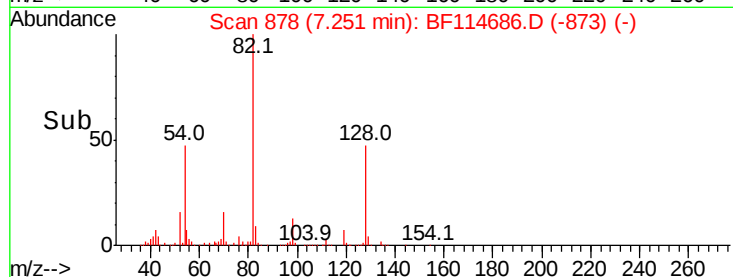
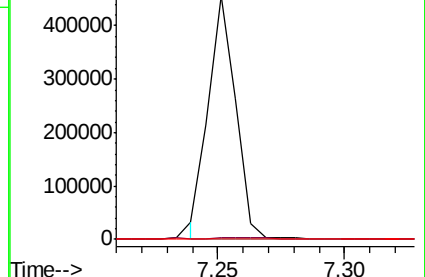
138 0.0 15.9 23.9#



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: 102.998 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.01 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

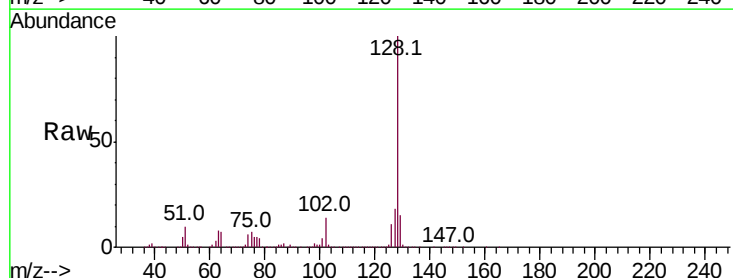
Tgt Ion: 128 Resp: 6109649

Ion Ratio Lower Upper

128 100

129 15.4 10.2 15.2#

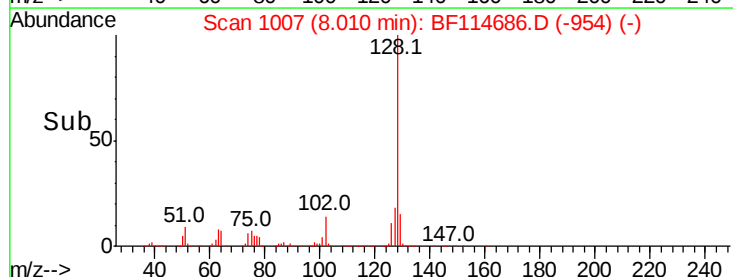
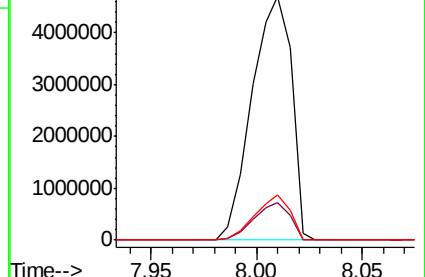
127 18.5 11.9 17.9#

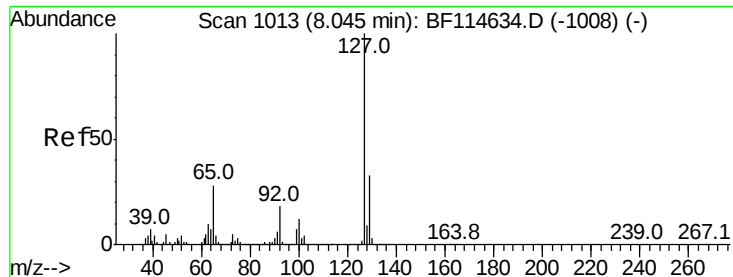


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

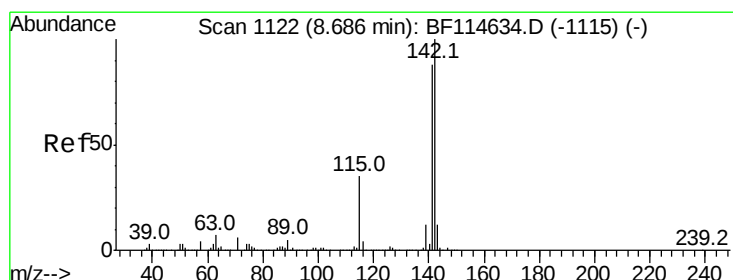
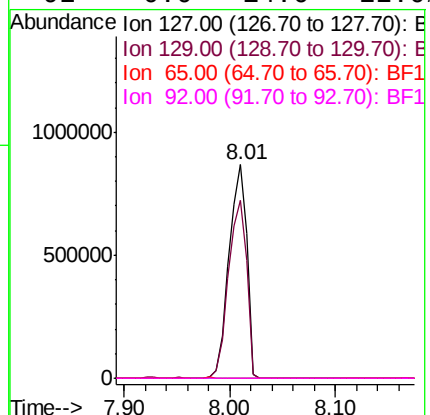
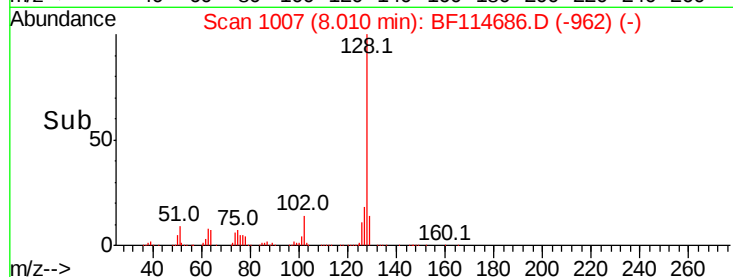
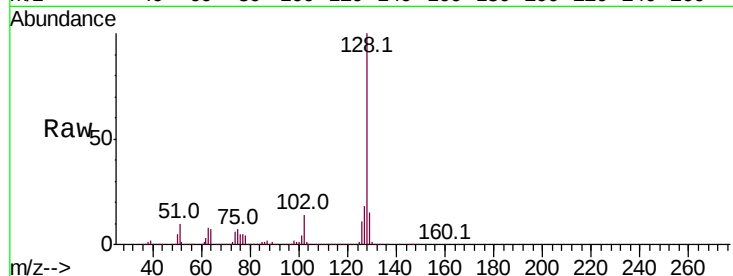




#33
4-Chloroaniline
Concen: 35.547 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.04 min
Lab File: BF114686.D
Acq: 31 May 2019 2:58

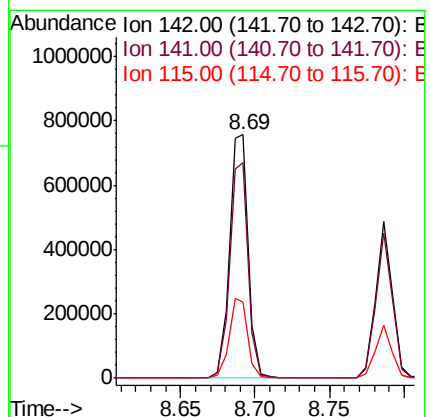
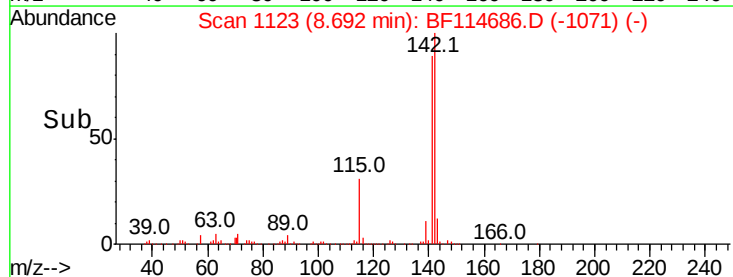
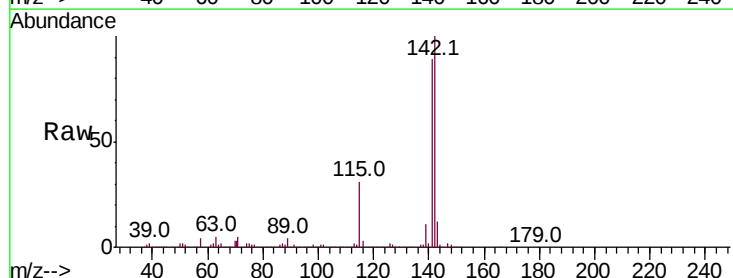
Instrument :
BNA_F
ClientSampleId :

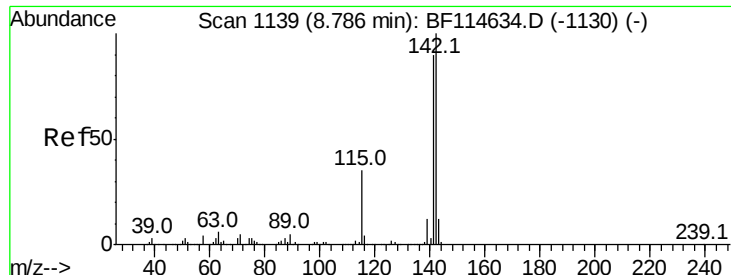
Tot Ion:127 Resp: 1004600
Ion Ratio Lower Upper
127 100
129 83.4 26.7 40.1#
65 0.0 22.5 33.7#
92 0.0 14.6 22.0#



#37
2-Methylnaphthalene
Concen: 17.189 ng
RT: 8.69 min Scan# 1123
Delta R.T. 0.01 min
Lab File: BF114686.D
Acq: 31 May 2019 2:58

Tgt Ion:142 Resp: 677473
Ion Ratio Lower Upper
142 100
141 88.7 70.3 105.5
115 31.0 28.0 42.0

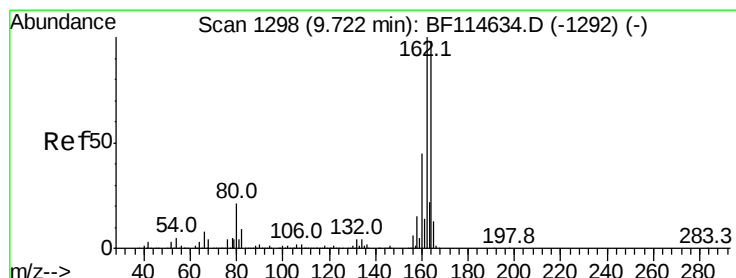
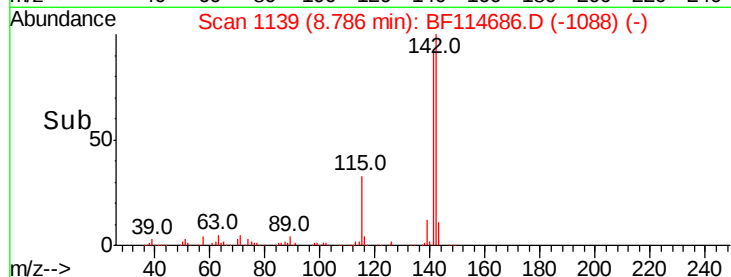
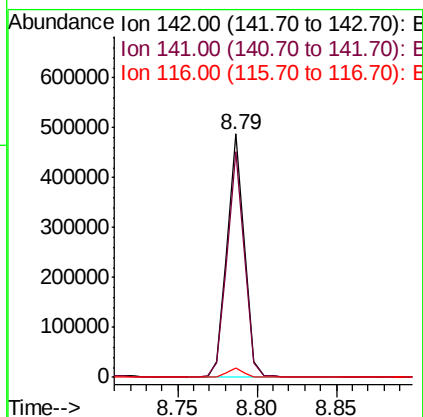
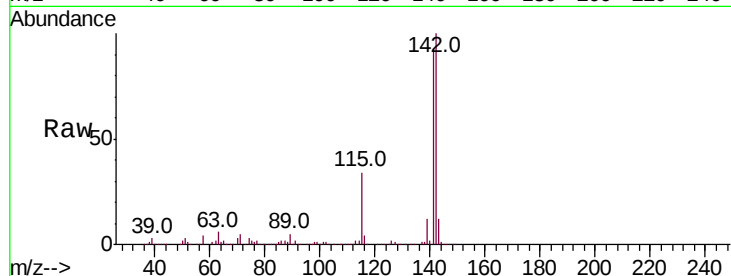




#38
 1-Methylnaphthalene
 Concen: 9.913 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: BF114686.D
 Acq: 31 May 2019 2:58

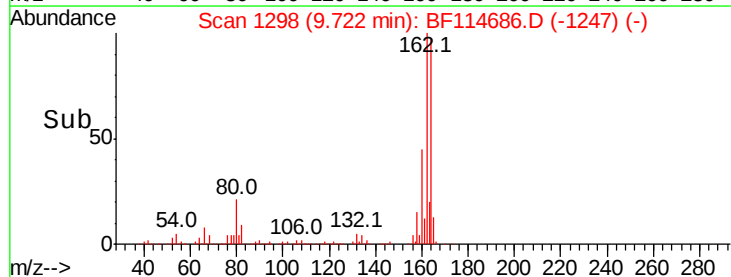
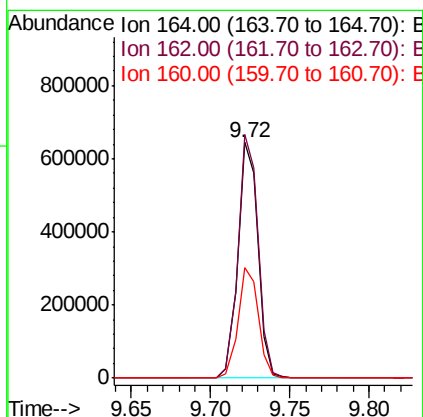
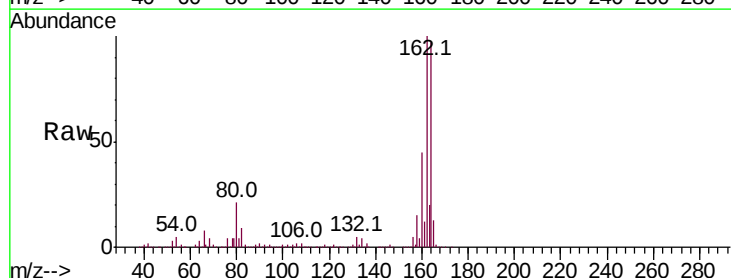
Instrument :
 BNA_F
 ClientSampleId :

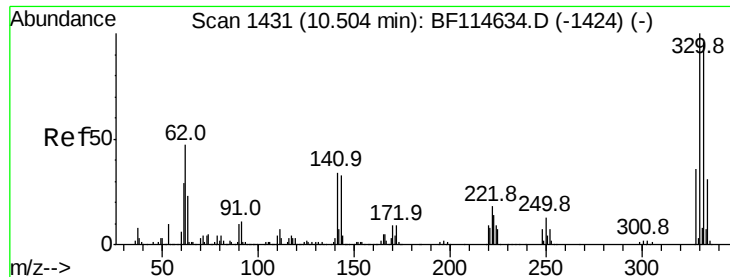
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.8	72.3	108.5
116	3.6	3.0	4.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BF114686.D
 Acq: 31 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.4	122.2
160	46.6	36.6	54.8

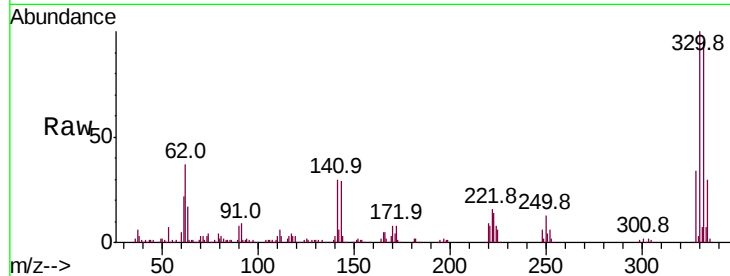




#42
 2,4,6-Tribromophenol
 Concen: 24.759 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114686.D
 Acq: 31 May 2019 2:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.8	113.8
141	35.1	27.8	41.8

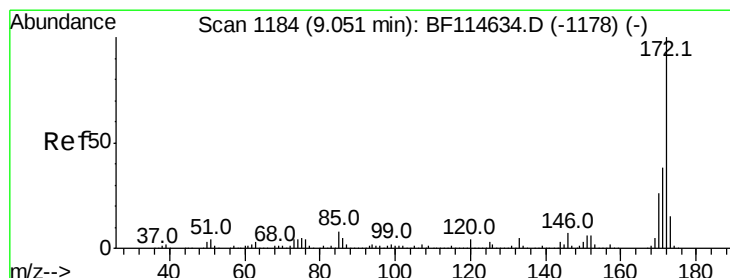
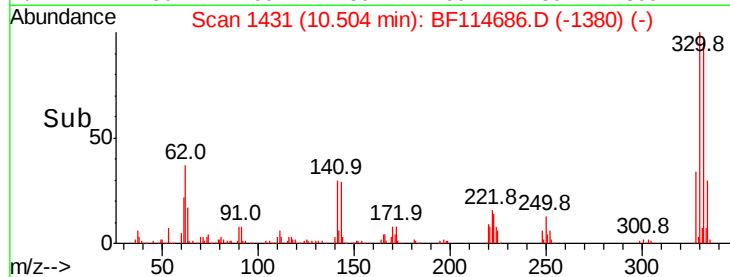
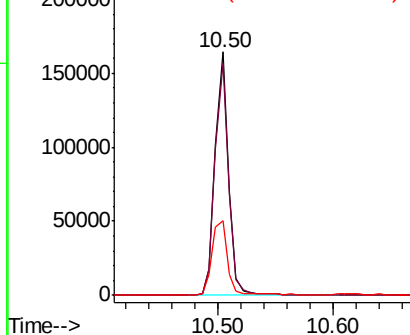


Abundance

Ion 329.80 (329.50 to 330.50): E

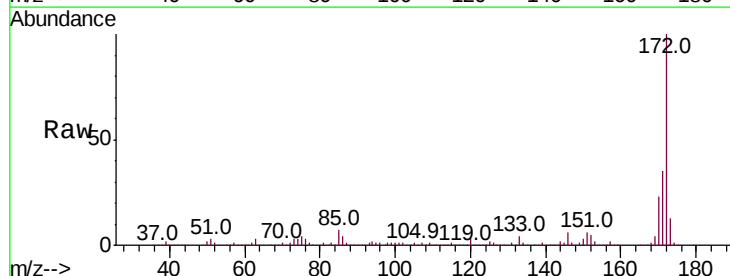
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 6.907 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114686.D
 Acq: 31 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.6	45.8
170	23.3	20.7	31.1

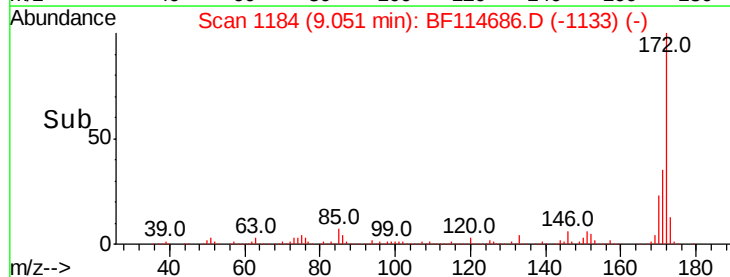
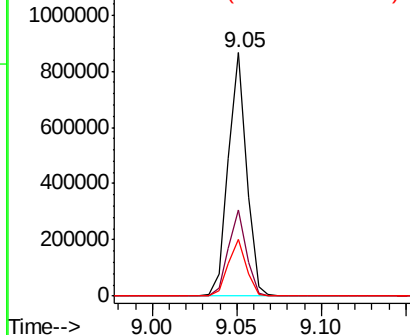


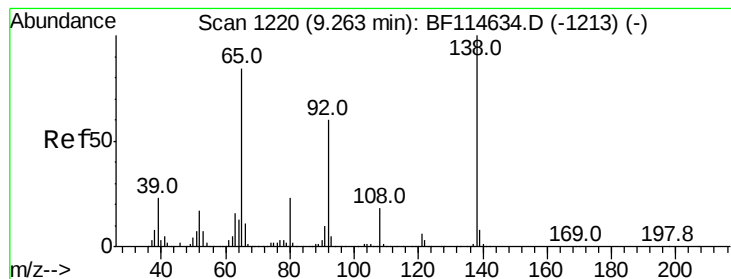
Abundance

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





#48

2-Nitroaniline

Concen: 2.336 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.05 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

Instrument :

BNA_F

ClientSampleId :

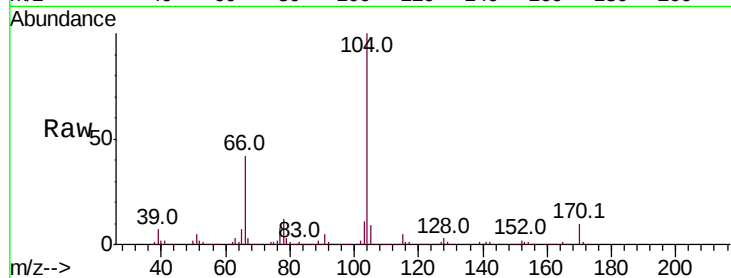
Tot Ion: 65 Resp: 24850

Ion Ratio Lower Upper

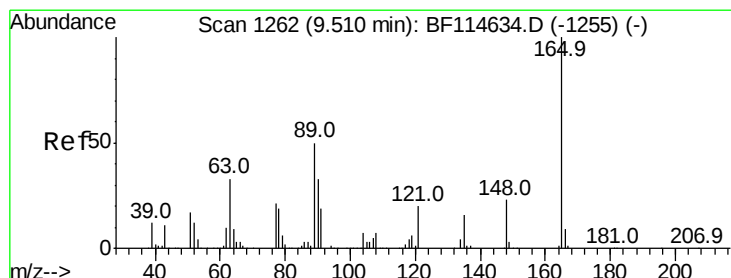
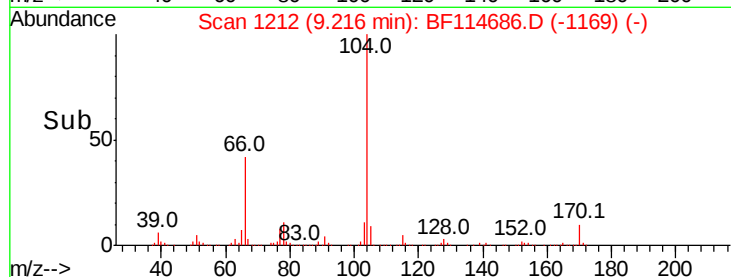
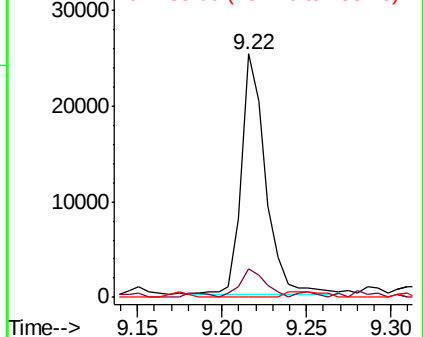
65 100

92 12.0 57.1 85.7#

138 0.0 95.8 143.6#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#51

2,6-Dinitrotoluene

Concen: 9.086 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.21 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

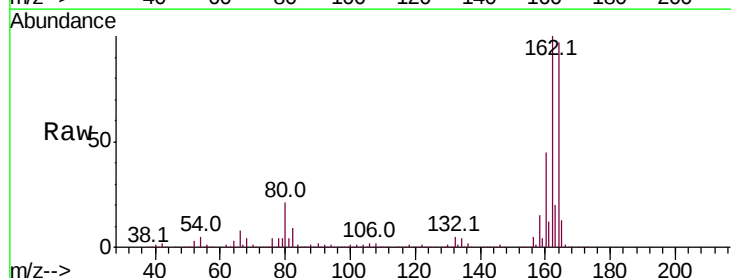
Tgt Ion:165 Resp: 83304

Ion Ratio Lower Upper

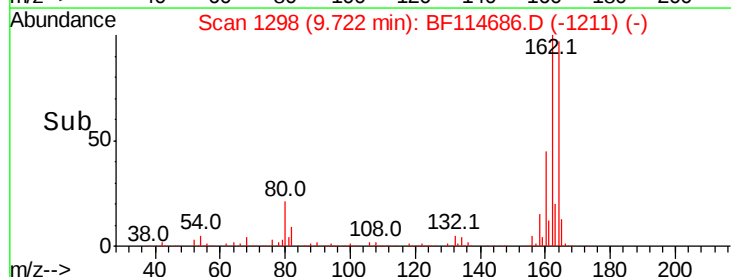
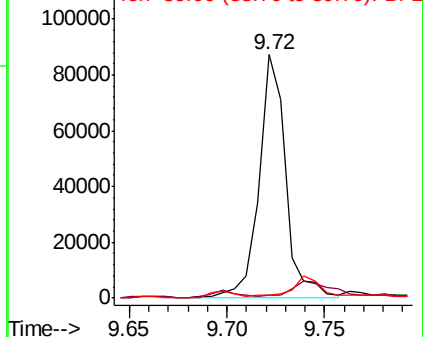
165 100

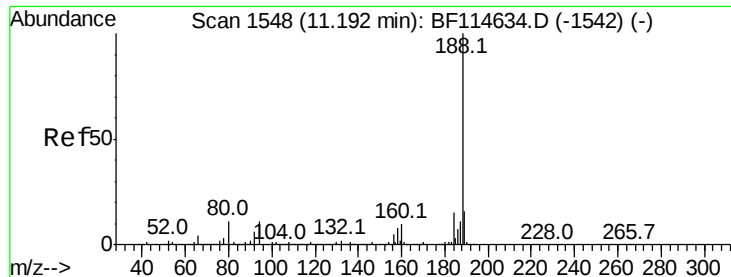
63 1.0 36.6 54.8#

89 1.3 40.2 60.4#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. 0.01 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

Instrument :

BNA_F

ClientSampleId :

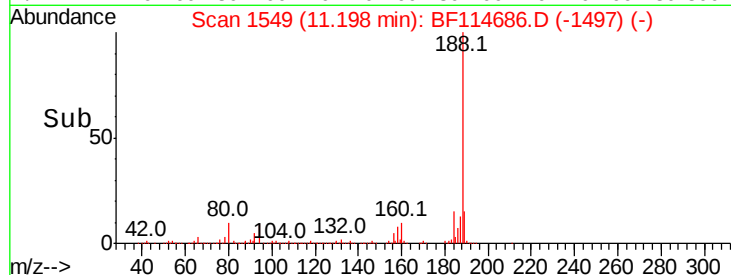
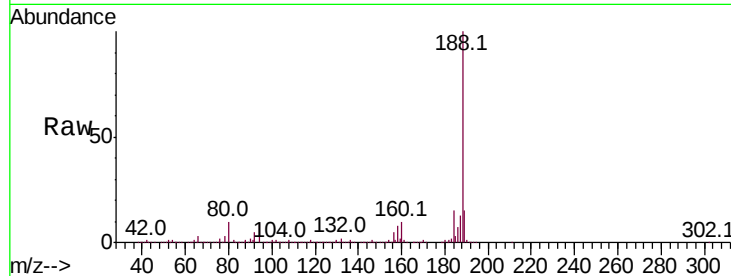
Tot Ion:188 Resp: 1034040

Ion Ratio Lower Upper

188 100

94 9.4 8.6 13.0

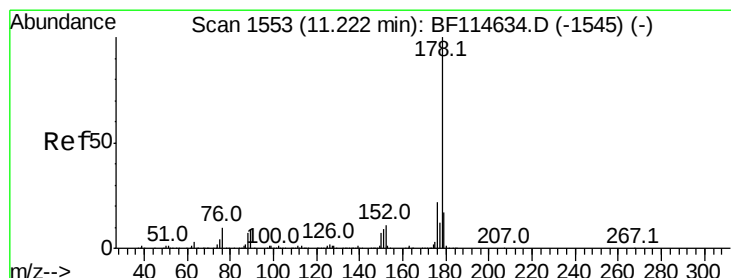
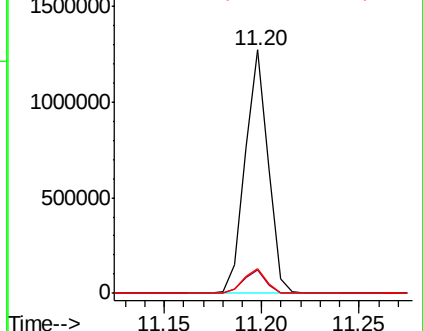
80 10.2 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.908 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

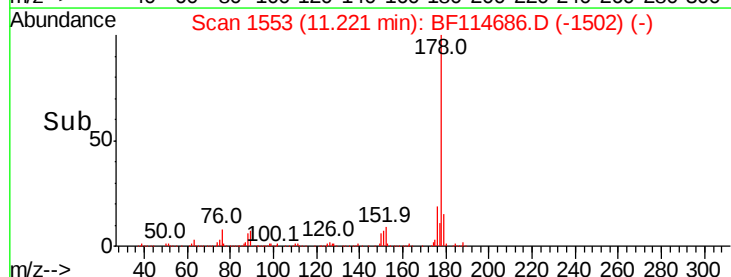
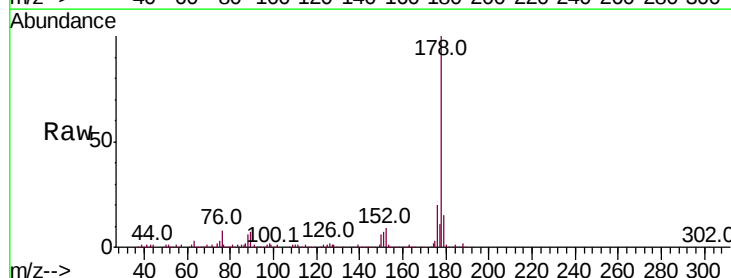
Tgt Ion:178 Resp: 153404

Ion Ratio Lower Upper

178 100

176 19.6 17.2 25.8

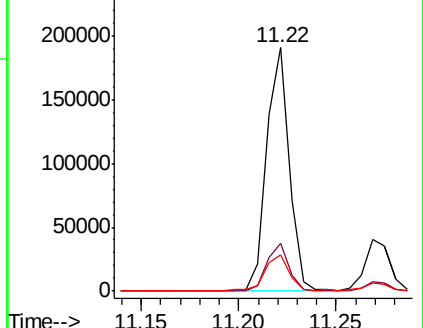
179 15.1 13.9 20.9

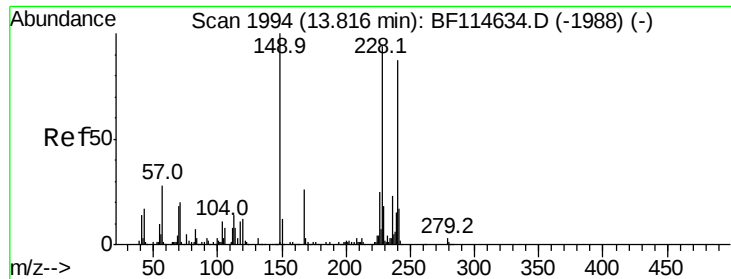


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

Instrument :

BNA_F

ClientSampleId :

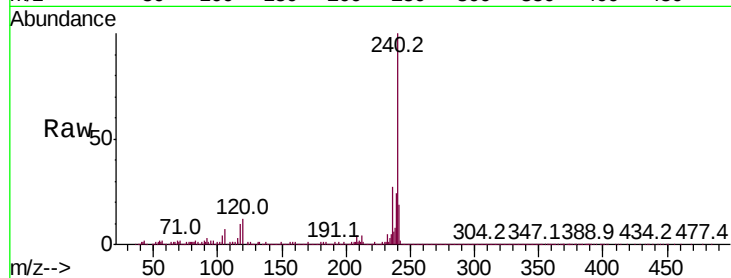
Tot Ion:240 Resp: 706709

Ion Ratio Lower Upper

240 100

120 11.6 11.2 16.8

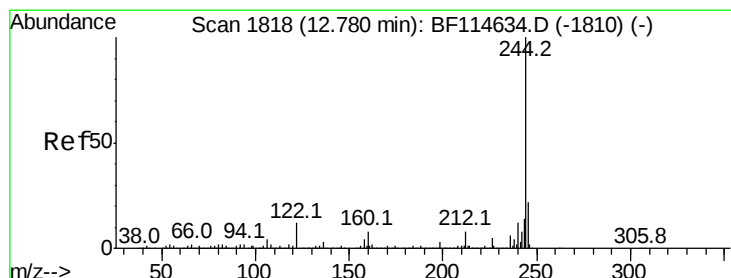
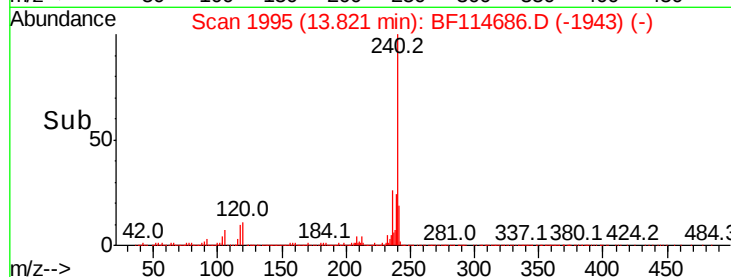
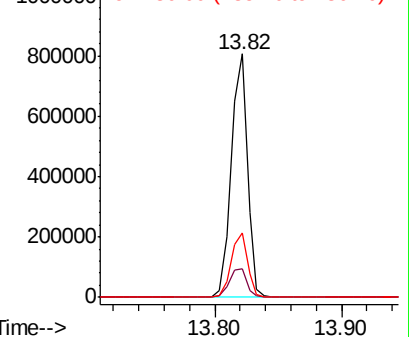
236 26.6 21.2 31.8



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



#79

Terphenyl-d14

Concen: 18.381 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114686.D

Acq: 31 May 2019 2:58

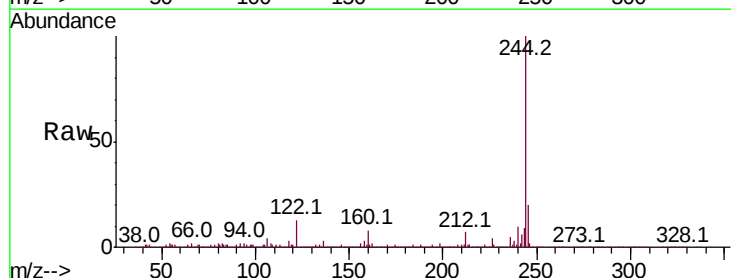
Tgt Ion:244 Resp: 690896

Ion Ratio Lower Upper

244 100

212 6.6 6.1 9.1

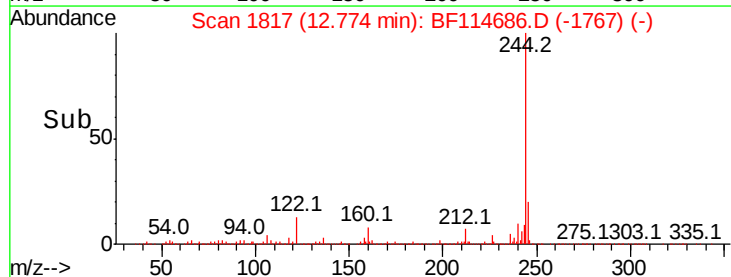
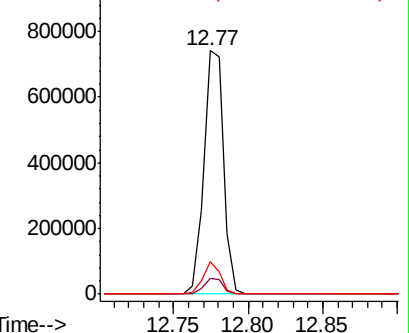
122 13.4 9.8 14.8

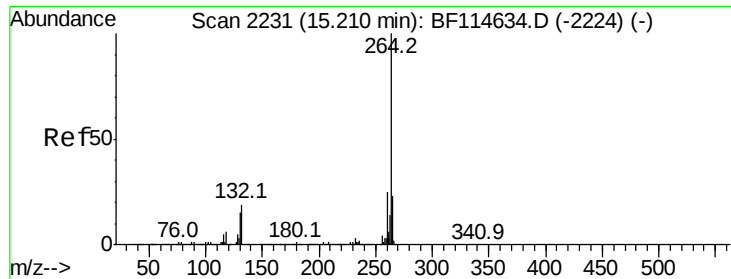


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

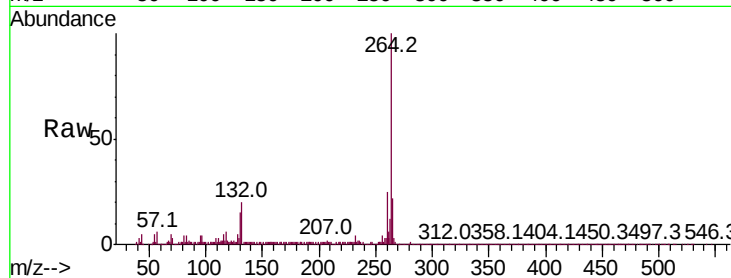




#87
Pervlone-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF114686.D
Acq: 31 May 2019 2:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	21.9	18.1	27.1



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

