

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114825.D
 Acq On : 5 Jun 2019 18:35
 Operator : HP/JU
 Sample : K3186-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:00:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	387151	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1517113	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	804847	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1558158	20.00	ng	0.00
76) Chrysene-d12	13.79	240	1093499	20.00	ng	0.00
87) Perylene-d12	15.17	264	1146667	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	2133877	96.31	ng	0.01
7) Phenol-d6	6.31	99	2548839	94.54	ng	0.00
23) Nitrobenzene-d5	7.23	82	1615971	65.57	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	796485	91.83	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2933225	68.27	ng	0.00
79) Terphenyl-d14	12.76	244	3378854	60.09	ng	0.00

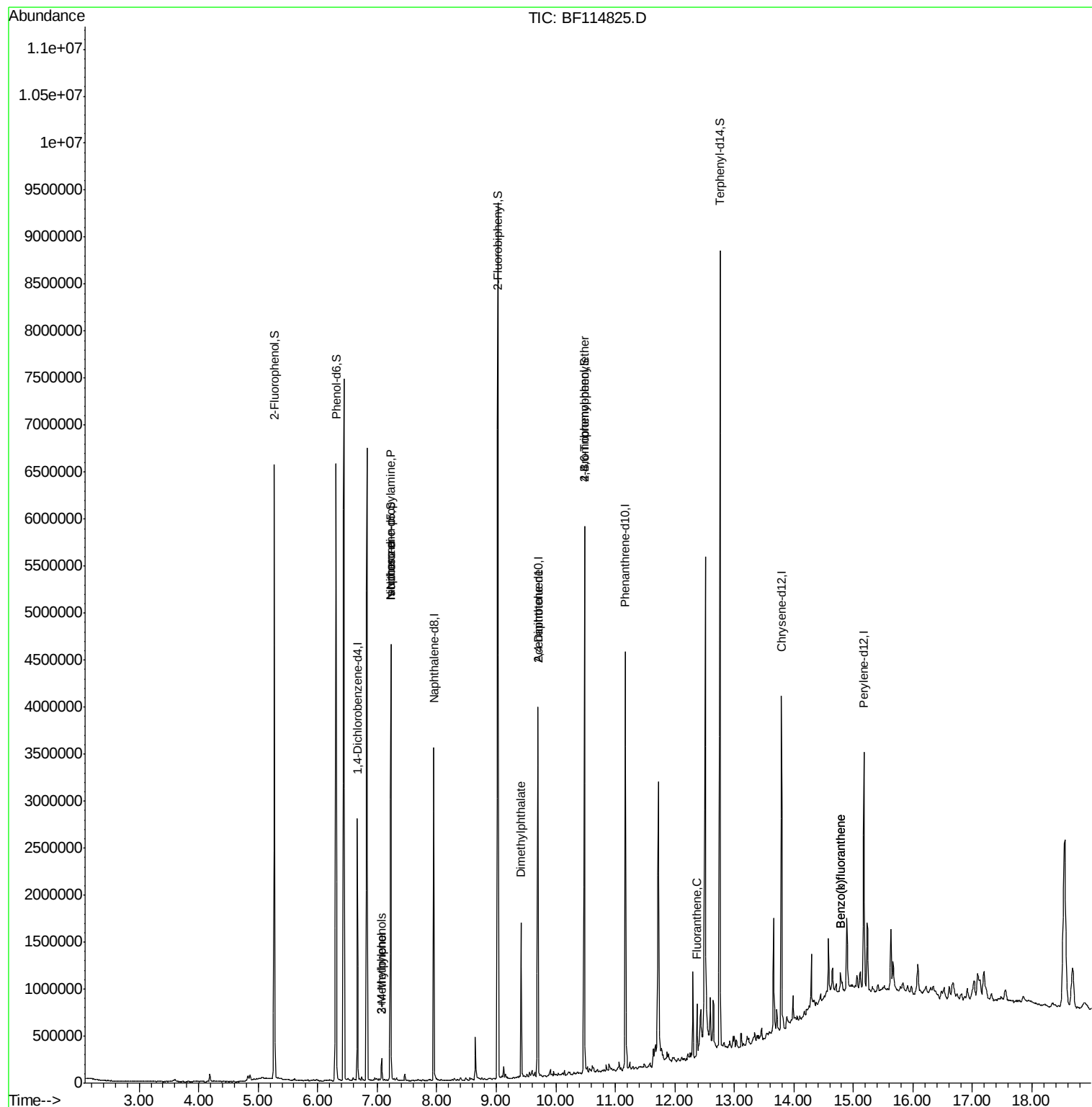
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.07	107	53070	2.425	ng	# 72
19) n-Nitroso-di-n-propylamine	7.23	70	216599	12.137	ng	# 79
20) 3+4-Methylphenols	7.07	107	53070	2.199	ng	# 66
25) Isophorone	7.23	82	1563624	32.093	ng	# 61
50) Dimethylphthalate	9.42	163	647535	11.016	ng	# 99
57) 2,4-Dinitrotoluene	9.70	165	106925	6.153	ng	# 32
58) Fluorene	10.24	166	8118	Below Cal		# 97
67) 4-Bromophenyl-phenylether	10.48	248	51213	2.894	ng	# 1
75) Fluoranthene	12.37	202	182859	2.362	ng	# 95
88) Benzo(b)fluoranthene	14.79	252	146713	2.010	ng	# 92
89) Benzo(k)fluoranthene	14.79	252	146713	2.367	ng	# 93

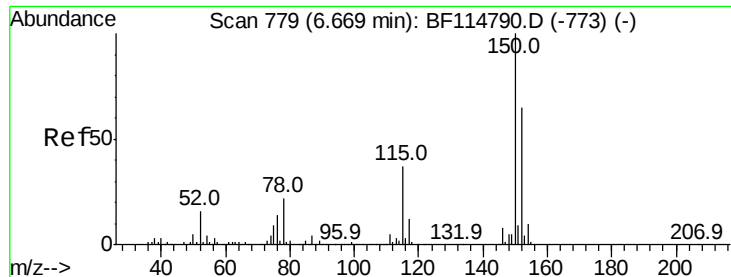
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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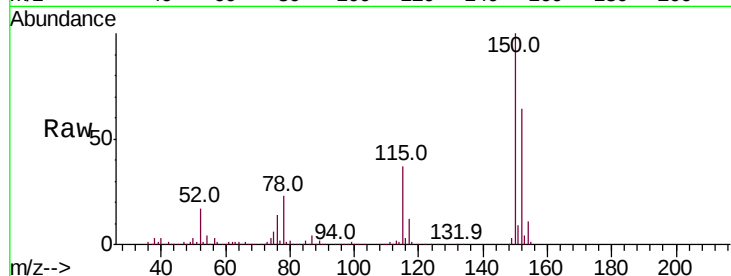


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.0	186.0
115	58.1	46.3	69.5

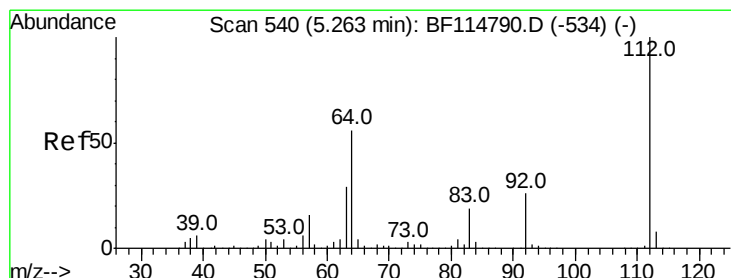
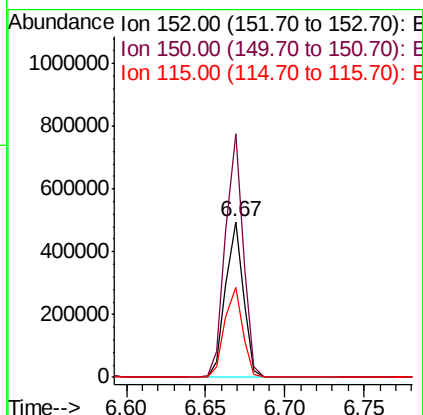
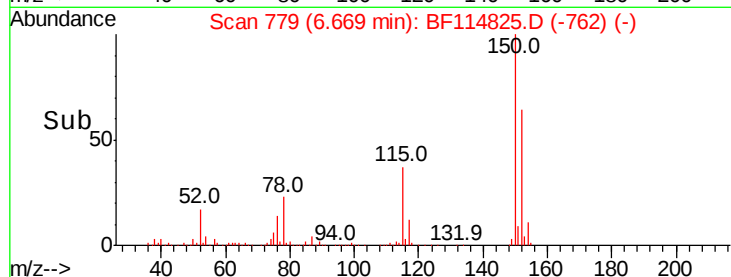


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

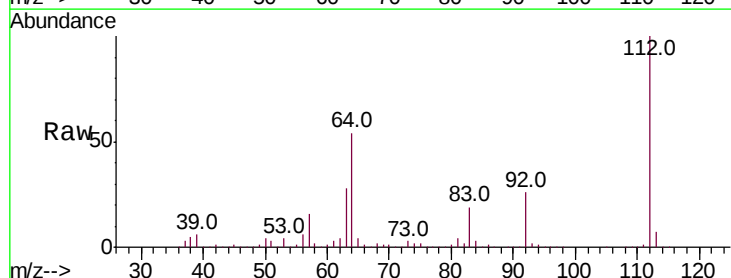
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.310 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	44.6	66.8
63	28.1	23.0	34.4

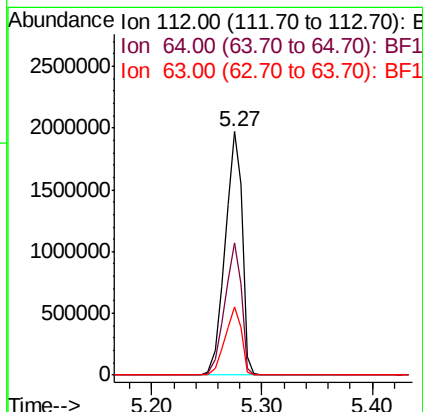
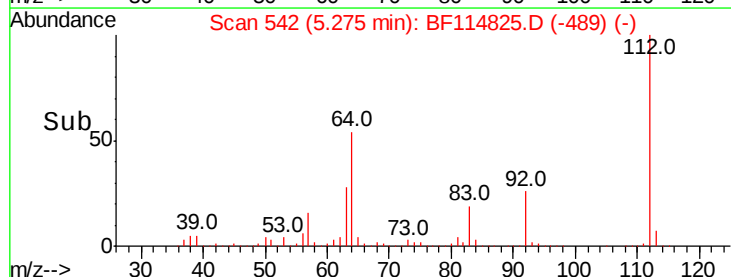


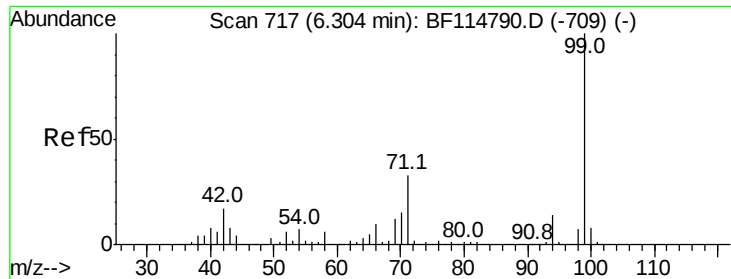
Abundance

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: 94.542 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

Instrument :

BNA_F

ClientSampleId :

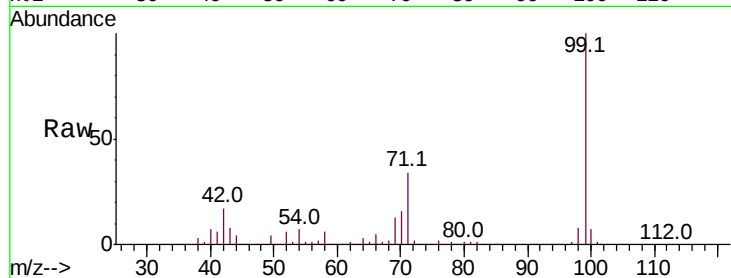
Tot Ion: 99 Resp: 2548839

Ion Ratio Lower Upper

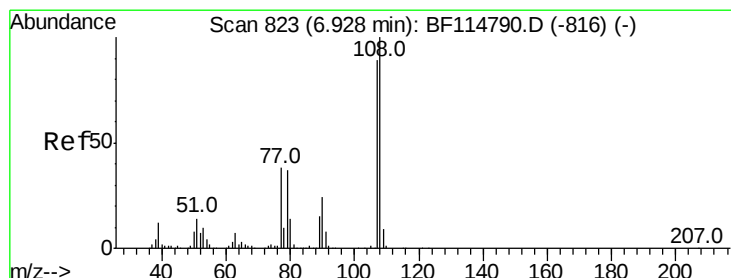
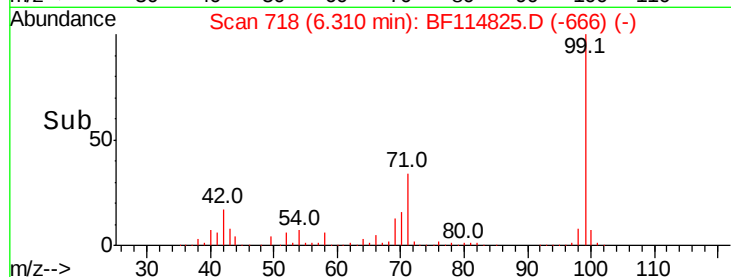
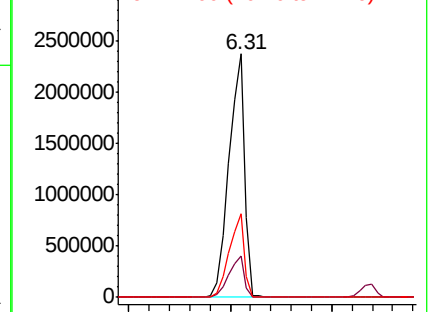
99 100

42 17.2 13.3 19.9

71 34.3 26.3 39.5



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



#17

2-Methylphenol

Concen: 2.425 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.15 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

Tgt Ion: 107 Resp: 53070

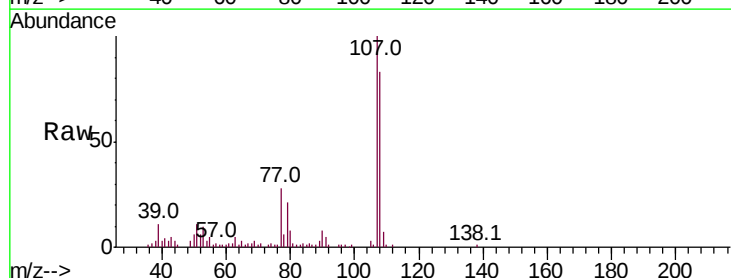
Ion Ratio Lower Upper

107 100

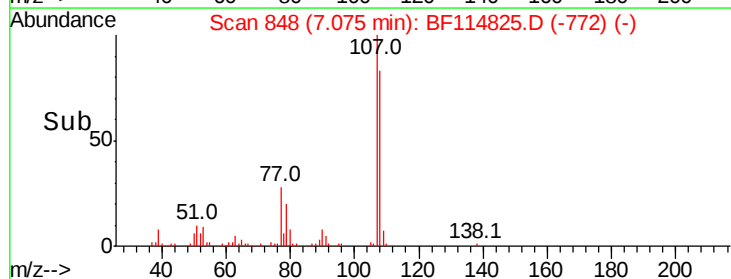
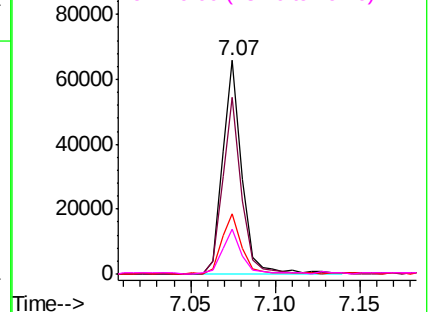
108 82.5 90.2 135.2#

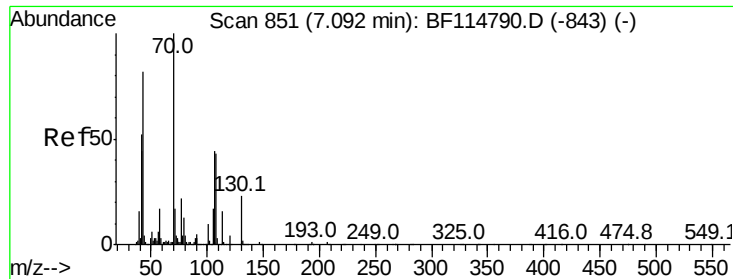
77 28.3 34.5 51.7#

79 20.8 33.8 50.6#



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

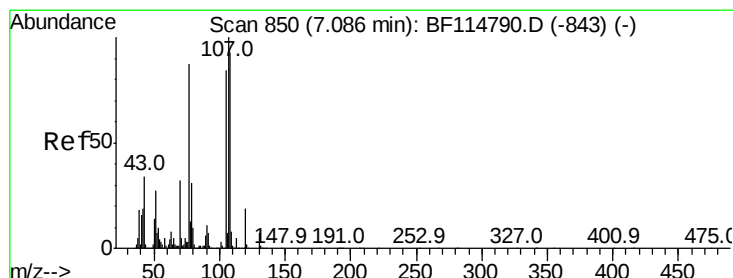
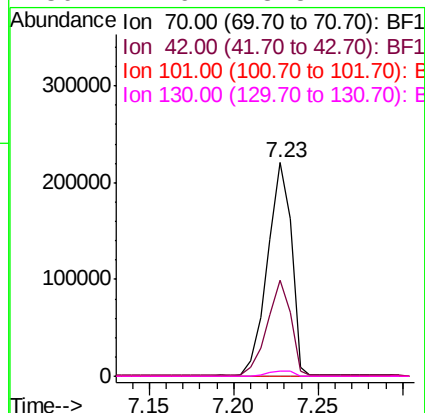
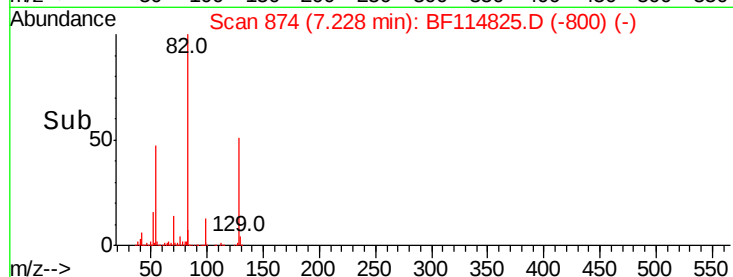
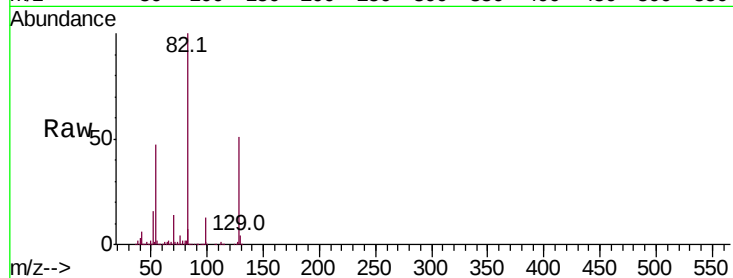




#19
n-Nitroso-di-n-propylamine
Concen: 12.137 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.14 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

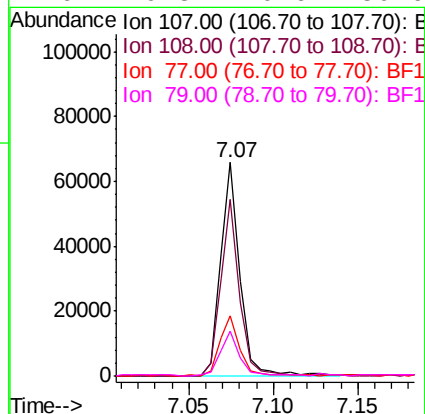
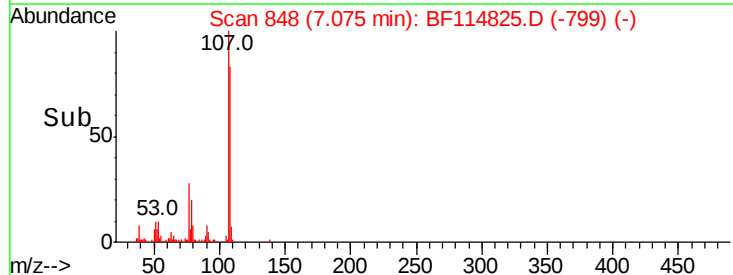
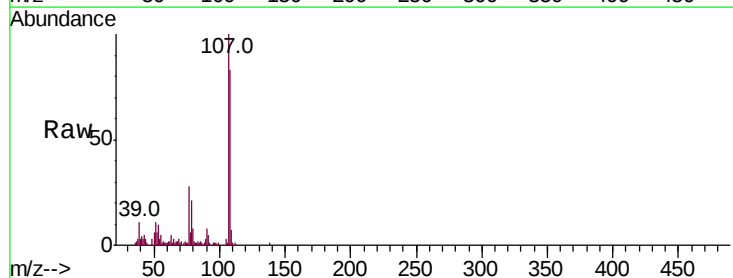
Instrument :
BNA_F
ClientSampleId :

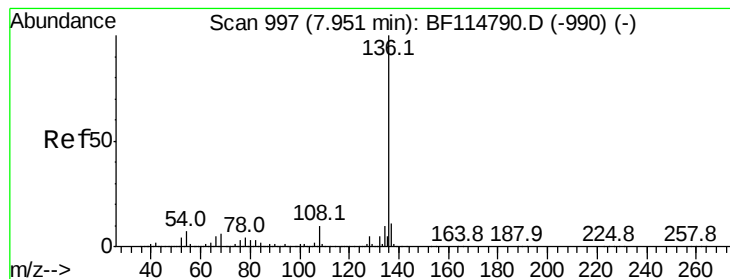
Tot Ion:	70	Resp:	216599
Ion	Ratio	Lower	Upper
70	100		
42	45.0	41.8	62.8
101	0.0	8.2	12.4#
130	2.6	18.5	27.7#



#20
3+4-Methylphenols
Concen: 2.199 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

Tgt Ion:	107	Resp:	53070
Ion	Ratio	Lower	Upper
107	100		
108	82.5	73.5	113.5
77	28.3	67.2	107.2#
79	20.8	10.6	50.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 1517113

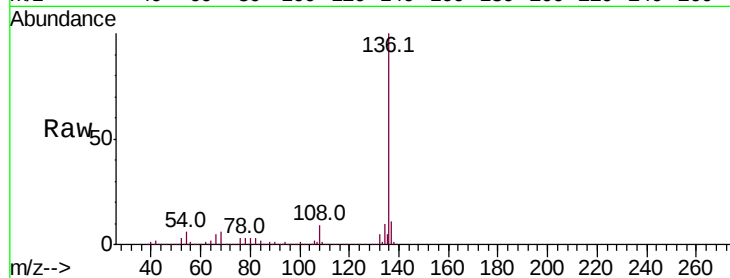
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 6.4 5.4 8.0

68 5.9 4.6 6.8

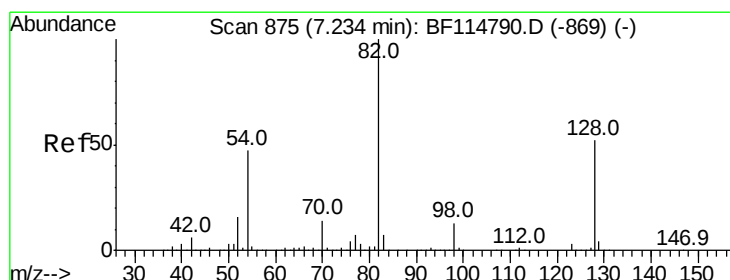
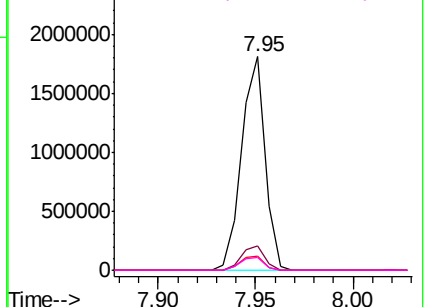
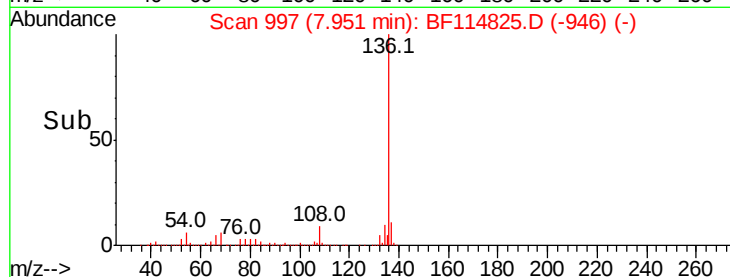


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 65.570 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

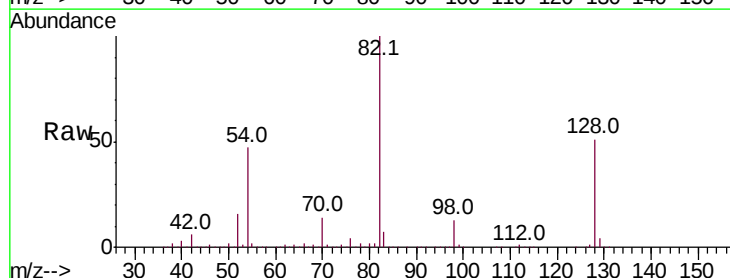
Tgt Ion: 82 Resp: 1615971

Ion Ratio Lower Upper

82 100

128 50.7 41.8 62.6

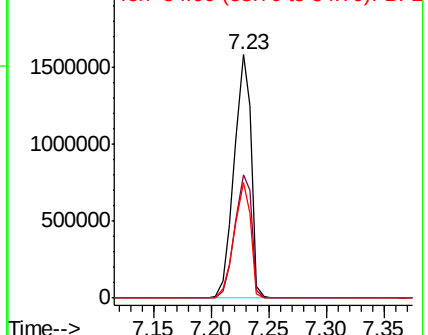
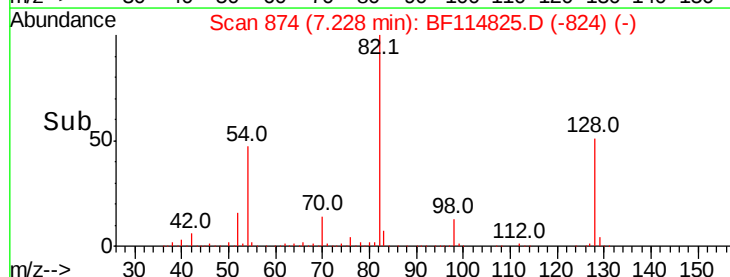
54 47.4 37.9 56.9

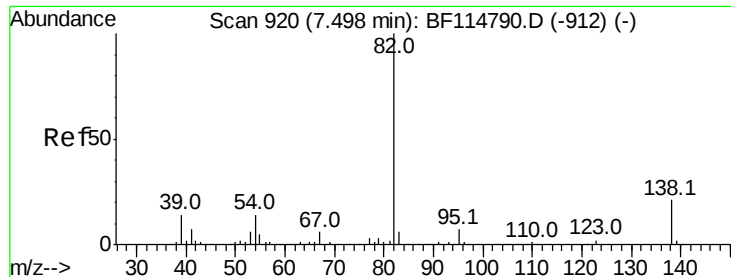


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.093 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

Instrument :

BNA_F

ClientSampleId :

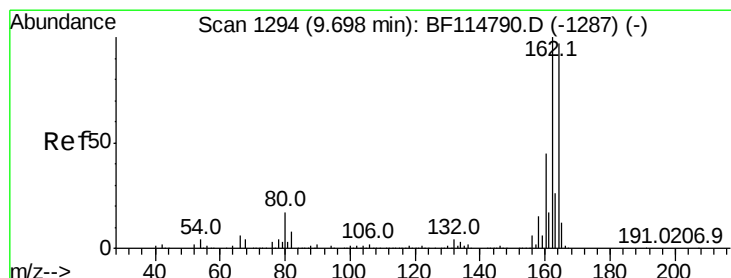
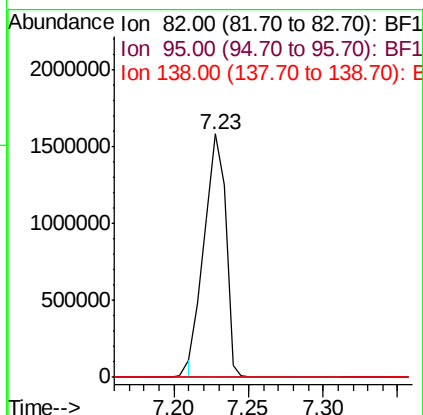
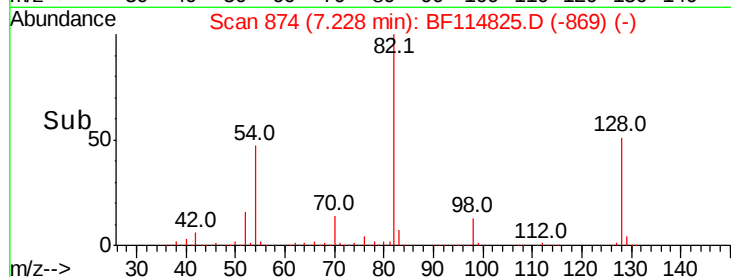
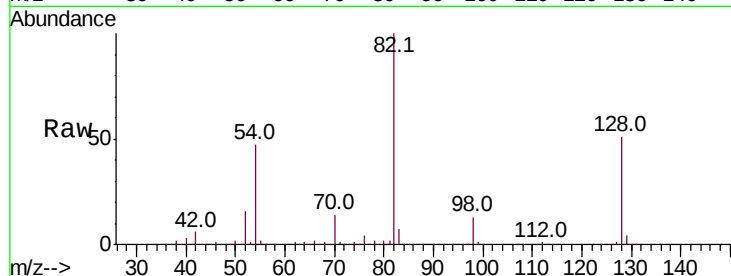
Tot Ion: 82 Resp: 1563624

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

138 0.0 16.9 25.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

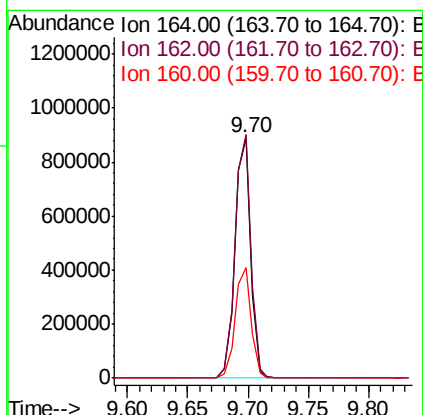
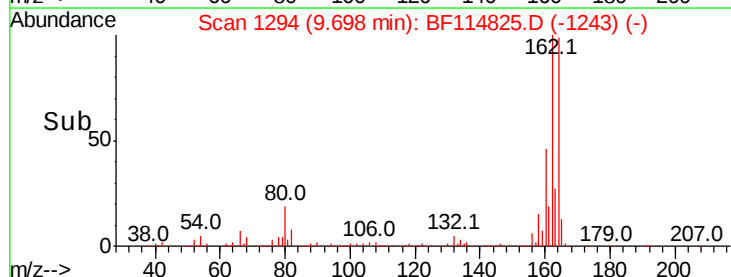
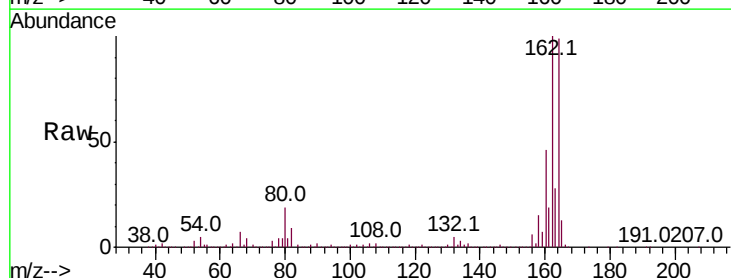
Tgt Ion: 164 Resp: 804847

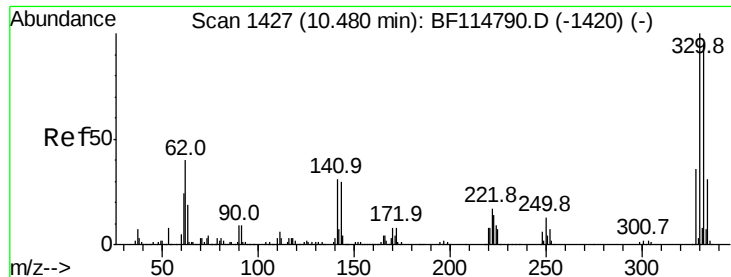
Ion Ratio Lower Upper

164 100

162 101.4 82.3 123.5

160 46.2 36.7 55.1

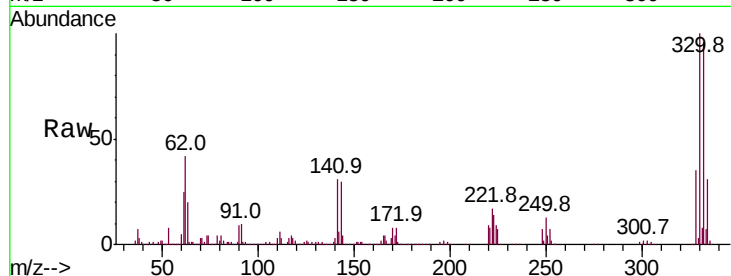




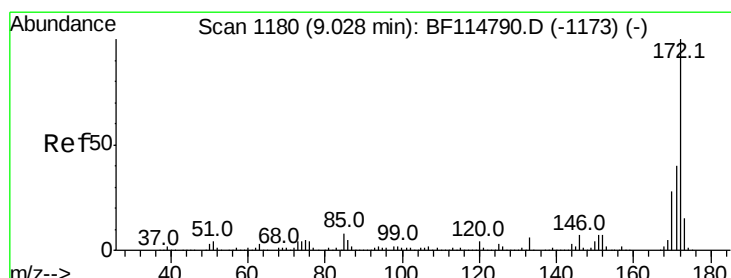
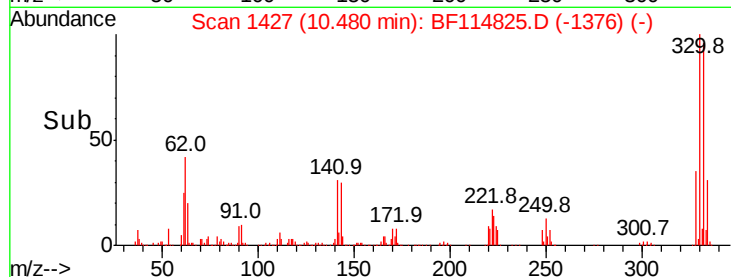
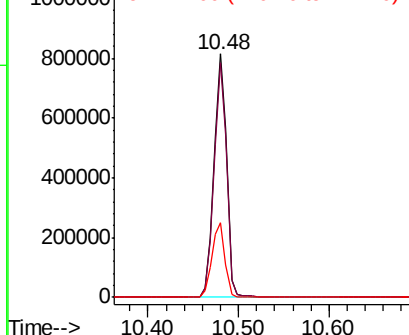
#42
 2,4,6-Tribromophenol
 Concen: 91.830 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: BF114825.D
 Acq: 5 Jun 2019 18:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 796485
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.3 115.9
 141 31.7 26.2 39.4

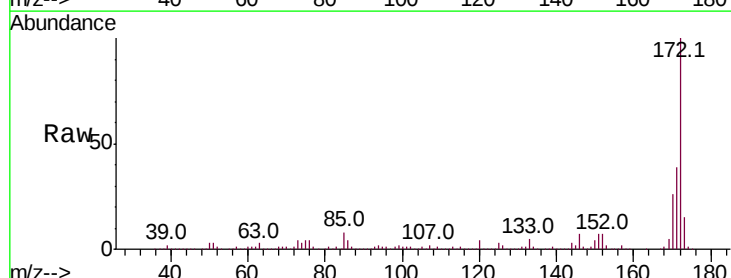


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

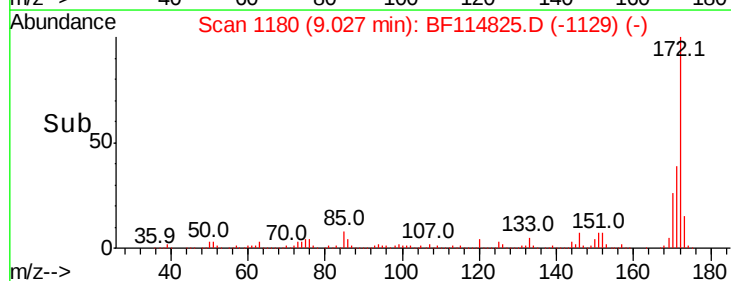
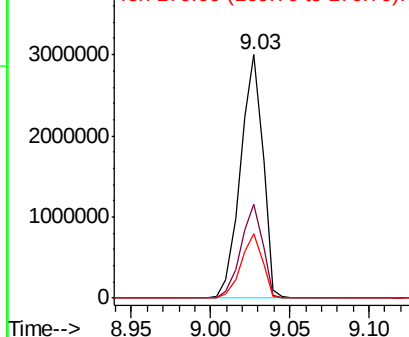


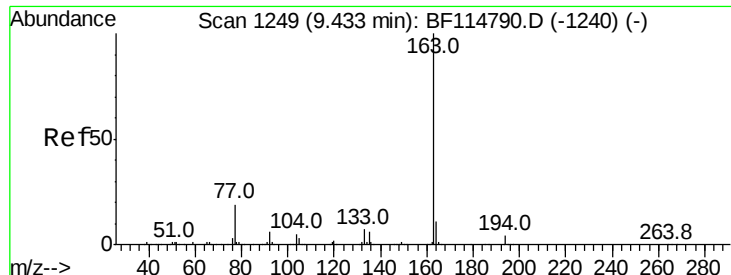
#45
 2-Fluorobiphenyl
 Concen: 68.271 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF114825.D
 Acq: 5 Jun 2019 18:35

Tgt Ion:172 Resp: 2933225
 Ion Ratio Lower Upper
 172 100
 171 38.5 32.3 48.5
 170 26.4 22.4 33.6



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





#50

Dimethylphthalate

Concen: 11.016 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

Instrument :

BNA_F

ClientSampled :

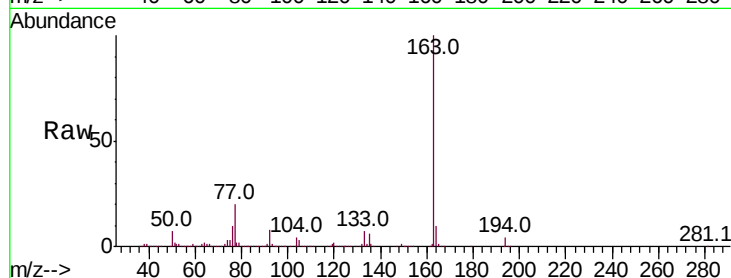
Tot Ion:163 Resp: 647535

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

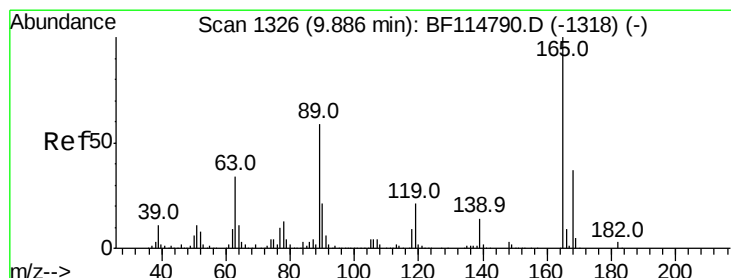
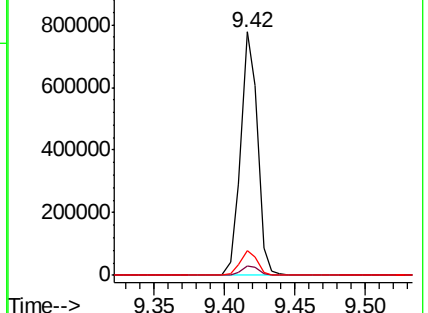
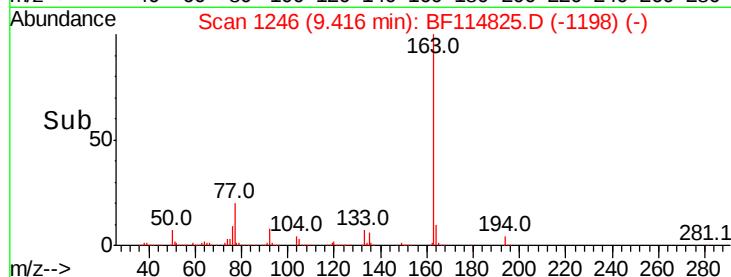
164 10.2 8.6 13.0



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



#57

2,4-Dinitrotoluene

Concen: 6.153 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.19 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

Tgt Ion:165 Resp: 106925

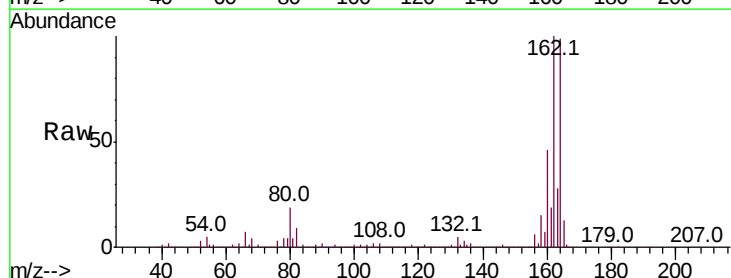
Ion Ratio Lower Upper

165 100

63 1.2 27.0 40.4#

89 1.5 47.0 70.6#

182 0.4 2.2 3.2#

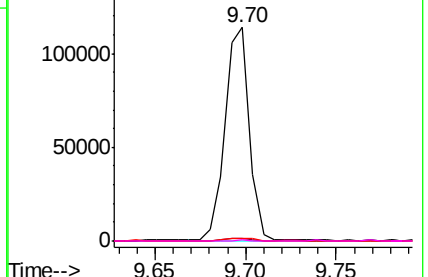
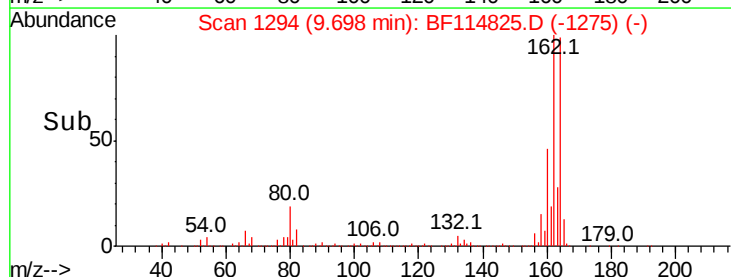


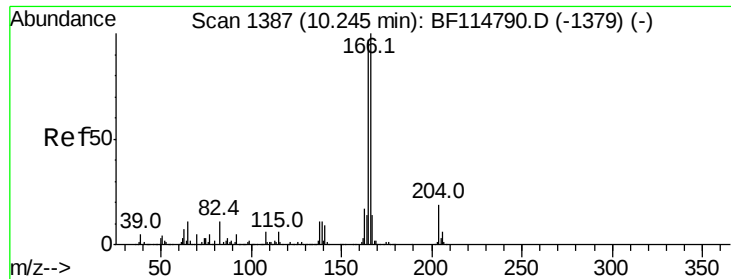
Abundance Ion 165.00 (164.70 to 165.70): E

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

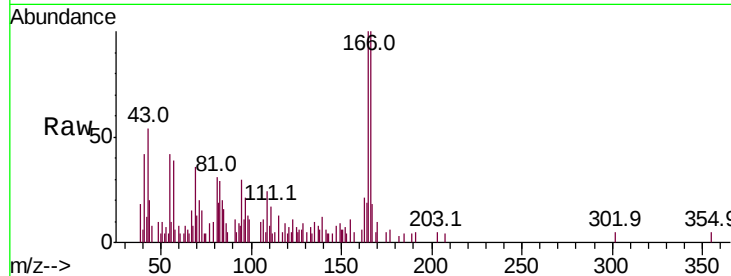




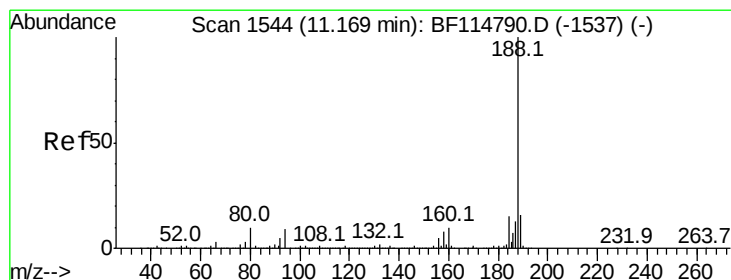
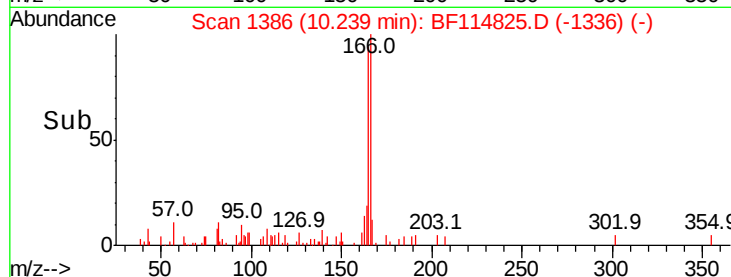
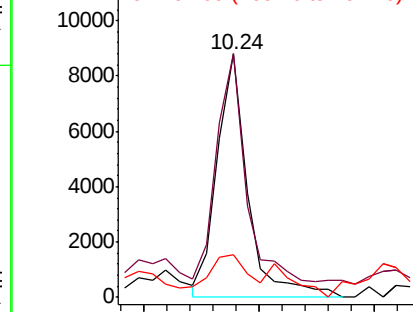
#58
 Fluorene
 Concen: Below Cal
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114825.D
 Acq: 5 Jun 2019 18:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 8118
 Ion Ratio Lower Upper
 166 100
 165 99.9 77.9 116.9
 167 17.6 11.3 16.9#

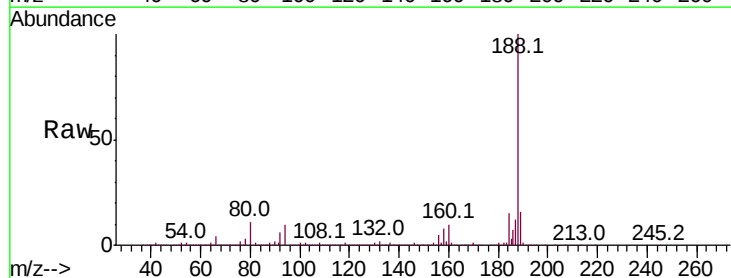


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

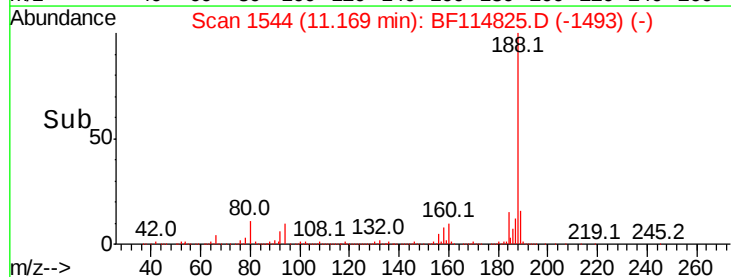
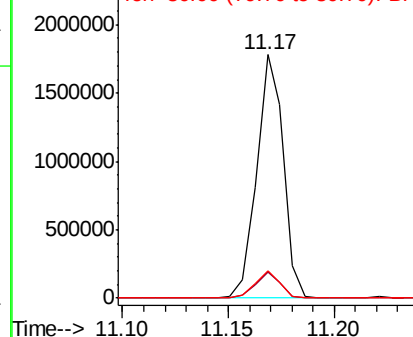


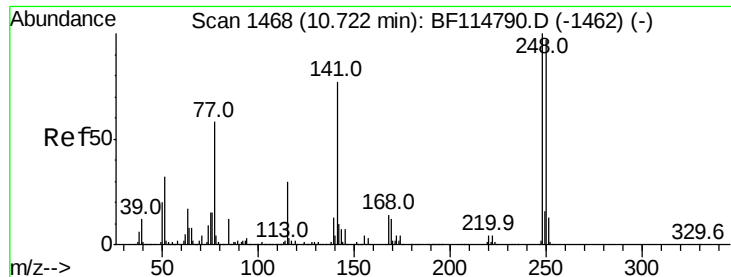
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: BF114825.D
 Acq: 5 Jun 2019 18:35

Tgt Ion:188 Resp: 1558158
 Ion Ratio Lower Upper
 188 100
 94 10.5 7.6 11.4
 80 11.1 8.3 12.5



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

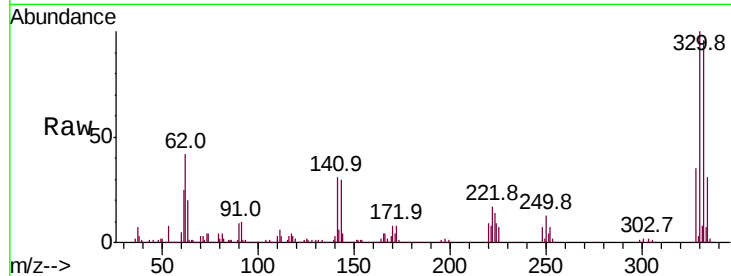




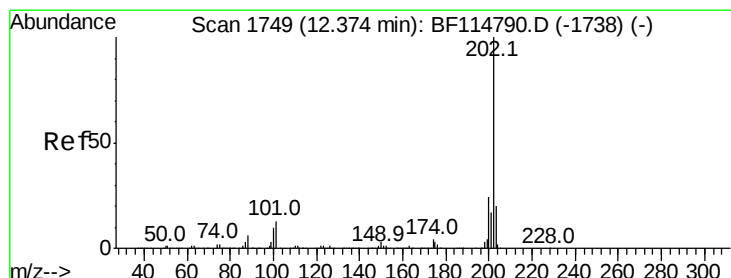
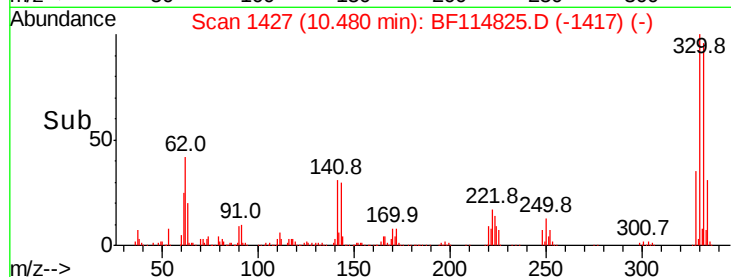
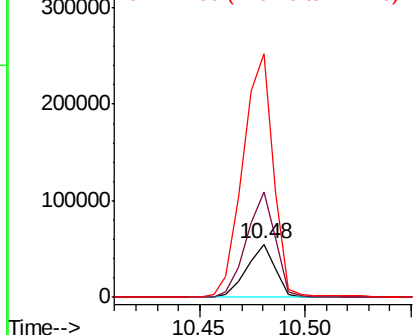
#67
4-Bromophenyl-phenylether
Concen: 2.894 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.24 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 51213
Ion Ratio Lower Upper
248 100
250 198.4 77.5 116.3#
141 457.8 61.8 92.8#

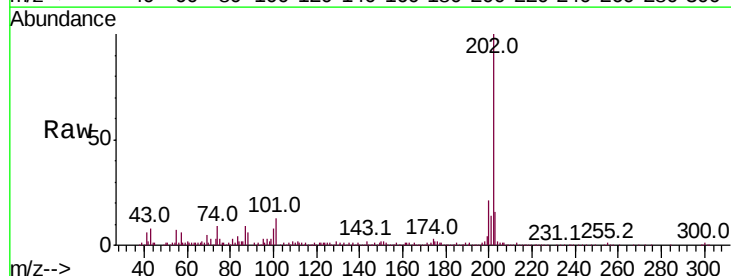


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

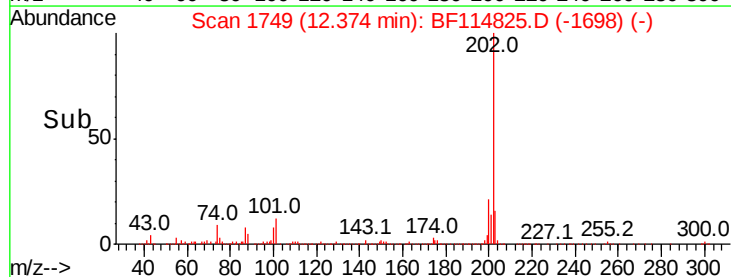
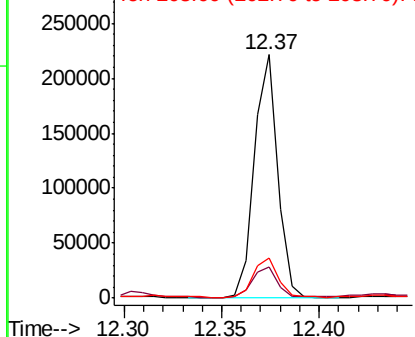


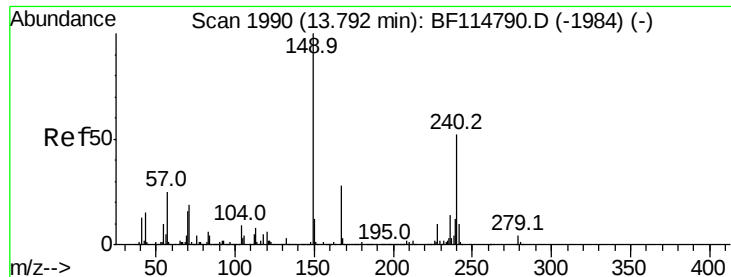
#75
Fluoranthene
Concen: 2.362 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.00 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

Tgt Ion:202 Resp: 182859
Ion Ratio Lower Upper
202 100
101 12.6 0.0 32.8
203 16.4 0.2 40.2



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

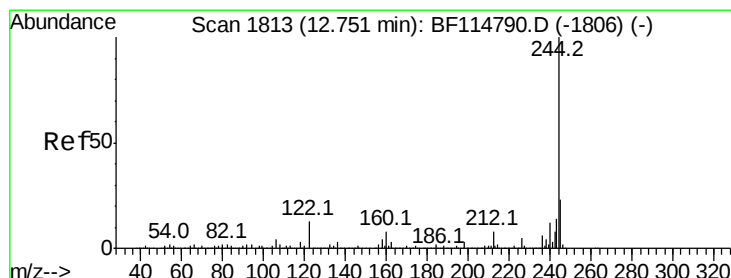
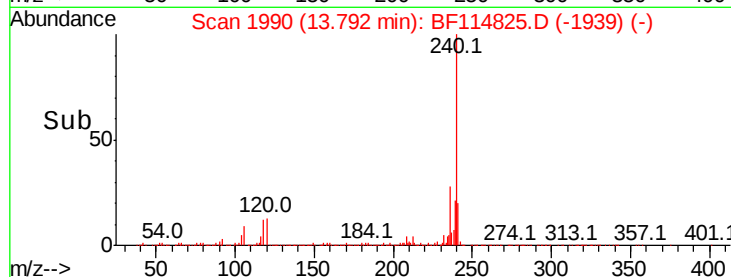
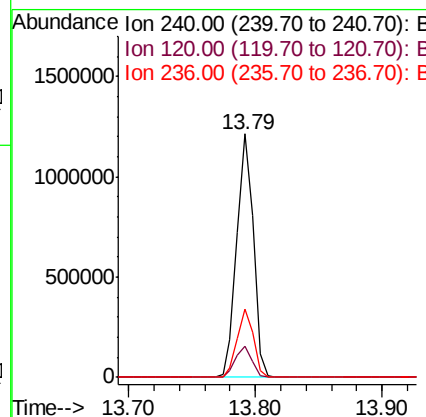
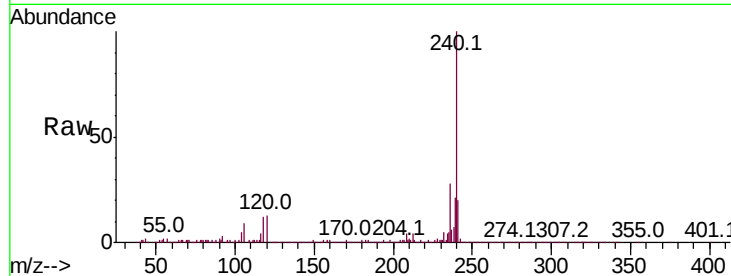




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: BF114825.D
 Acq: 5 Jun 2019 18:35

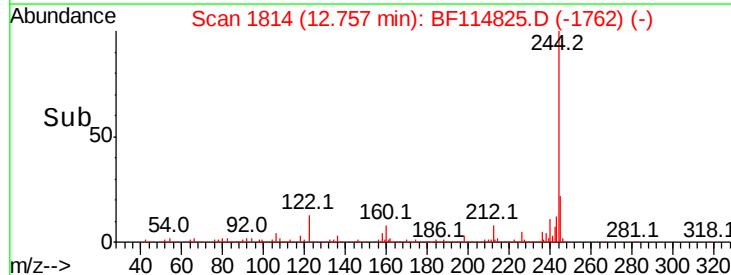
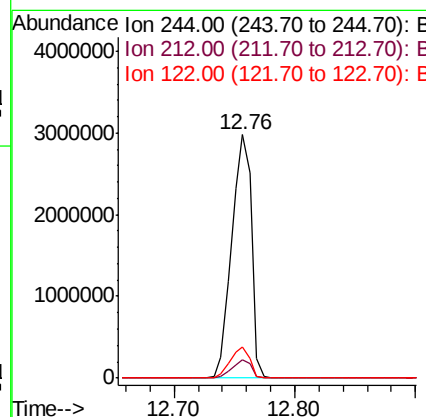
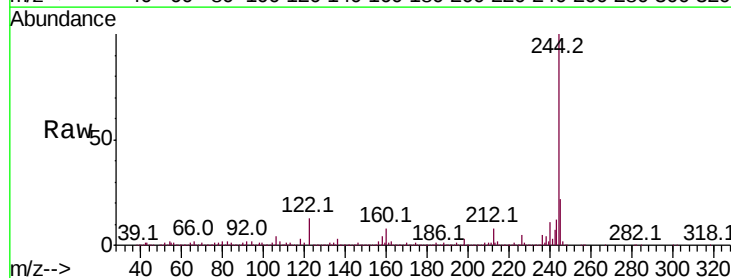
Instrument :
 BNA_F
 ClientSampleId :

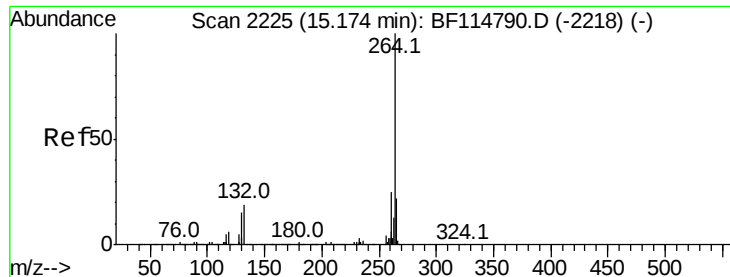
Tot Ion:240 Resp: 1093499
 Ion Ratio Lower Upper
 240 100
 120 12.8 9.0 13.4
 236 28.0 21.4 32.0



#79
 Terphenyl-d14
 Concen: 60.092 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114825.D
 Acq: 5 Jun 2019 18:35

Tgt Ion:244 Resp: 3378854
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 13.0 10.5 15.7

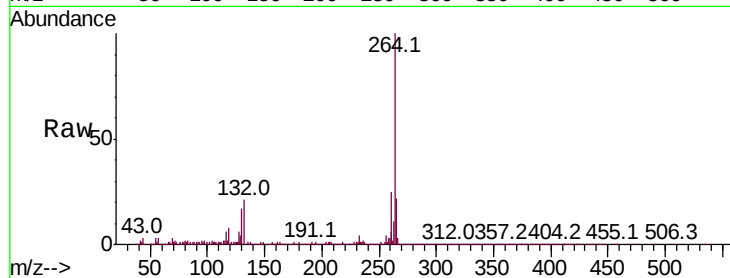




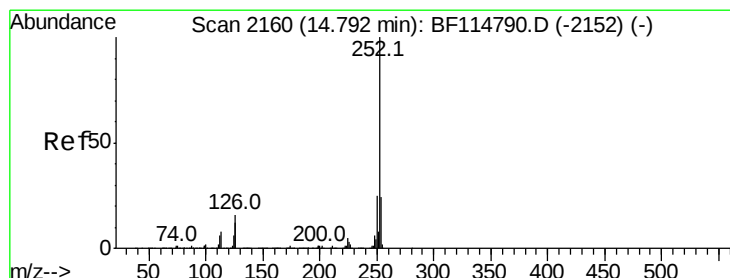
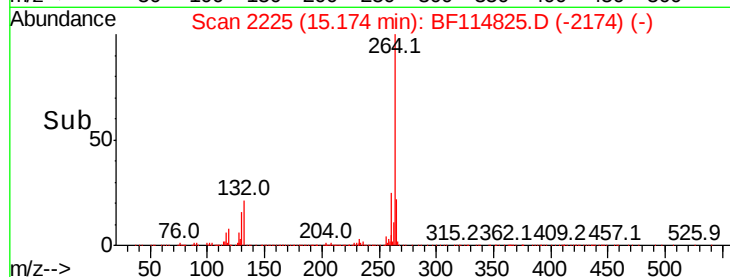
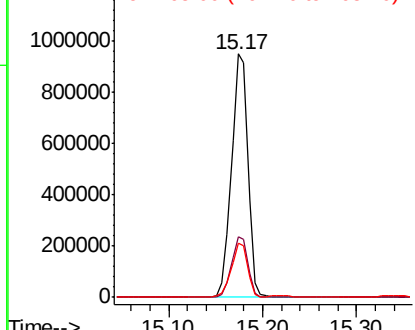
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1146667
Ion Ratio Lower Upper
264 100
260 24.9 20.1 30.1
265 22.2 17.7 26.5

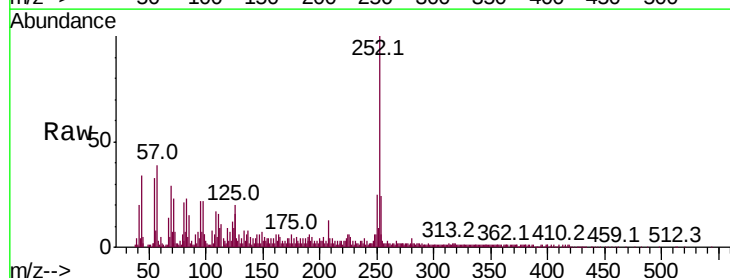


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

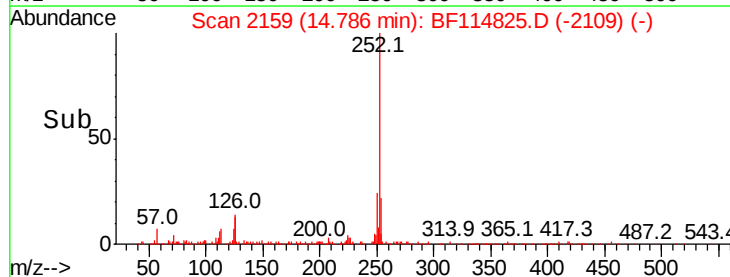
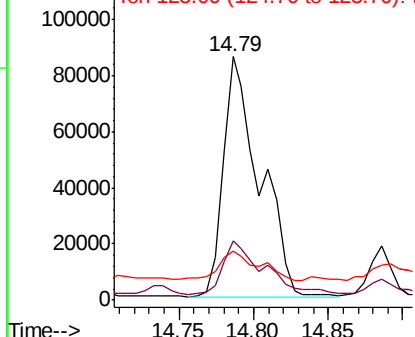


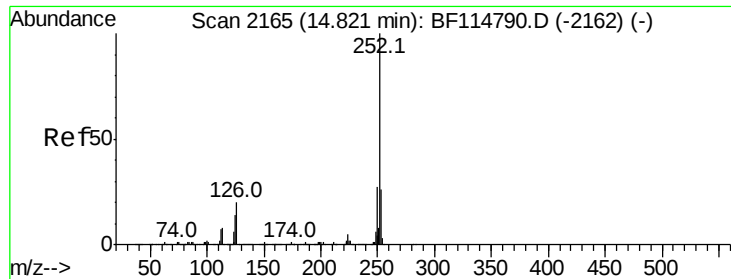
#88
Benzo(b)fluoranthene
Concen: 2.010 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF114825.D
Acq: 5 Jun 2019 18:35

Tgt Ion:252 Resp: 146713
Ion Ratio Lower Upper
252 100
253 24.2 19.0 28.6
125 20.2 9.4 14.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.367 ng

RT: 14.79 min Scan# 2159

Delta R.T. -0.04 min

Lab File: BF114825.D

Acq: 5 Jun 2019 18:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	146713
Ion Ratio	Lower	Upper	
252	100		
253	24.2	19.3	28.9
125	20.2	10.1	15.1#

