

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
 Data File : BF114918.D
 Acq On : 8 Jun 2019 4:04
 Operator : HP/JU
 Sample : K3160-05 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-C

Quant Time: Jun 08 05:22:06 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	6.66	152	292570	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1084674	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	465289	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	757301	20.00	ng	0.00
76) Chrysene-d12	13.78	240	552522	20.00	ng	-0.01
87) Perylene-d12	15.16	264	430603	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	840994	50.23	ng	0.00
7) Phenol-d6	6.30	99	1034622	50.78	ng	0.00
23) Nitrobenzene-d5	7.22	82	581599	33.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	205197	40.92	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1115988	44.93	ng	-0.01
79) Terphenyl-d14	12.74	244	936822	32.97	ng	0.00

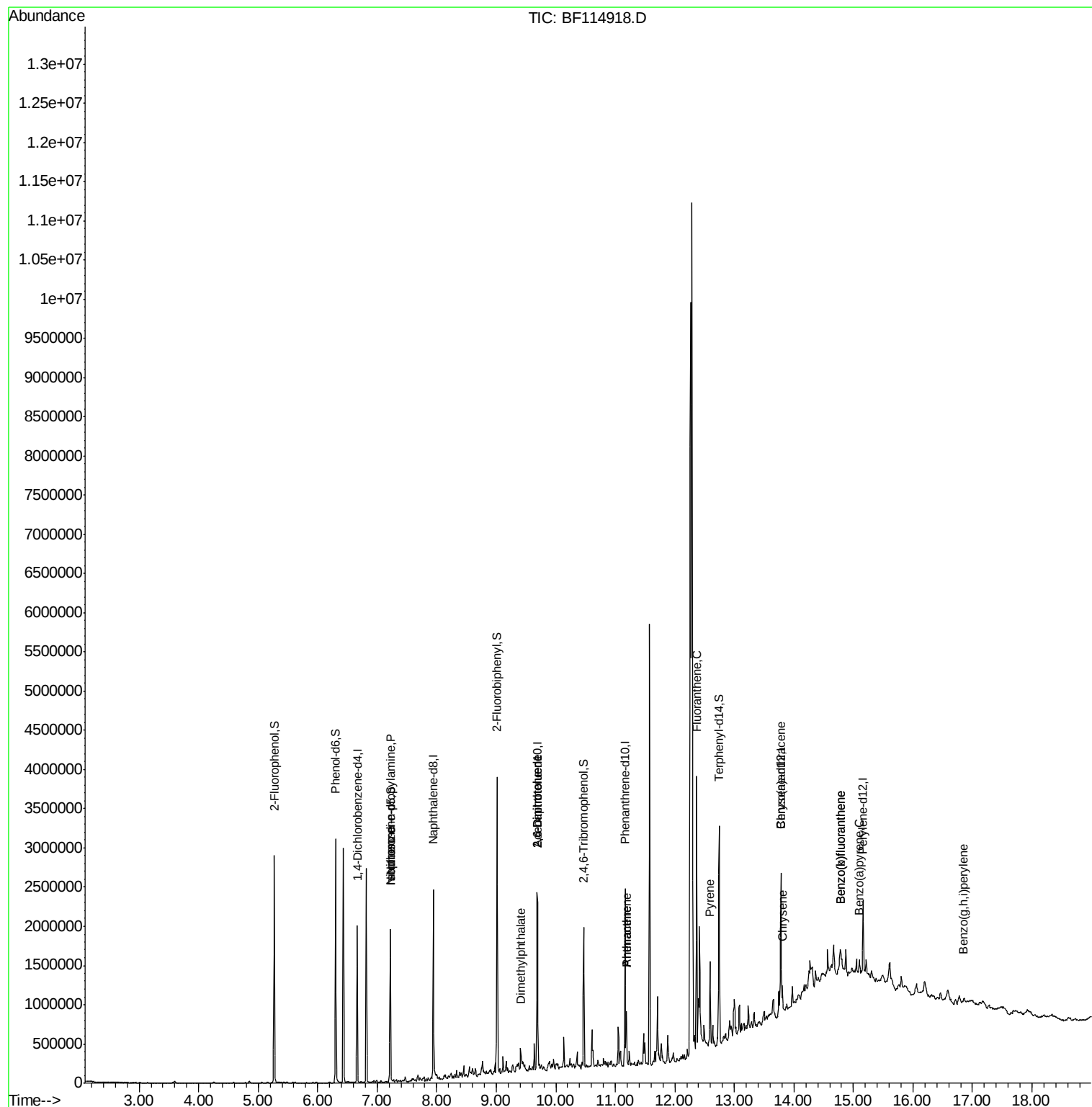
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	77679	5.760	ng	# 78
25) Isophorone	7.22	82	564081	16.193	ng	# 61
50) Dimethylphthalate	9.41	163	97673	2.874	ng	99
51) 2,6-Dinitrotoluene	9.69	165	63484	7.943	ng	# 33
57) 2,4-Dinitrotoluene	9.69	165	63484	6.319	ng	# 33
58) Fluorene	10.23	166	31908	Below Cal		99
71) Phenanthrene	11.19	178	244719	6.769	ng	95
72) Anthracene	11.19	178	244719	6.432	ng	95
75) Fluoranthene	12.37	202	299606	7.962	ng	90
78) Pyrene	12.59	202	332500	6.937	ng	95
81) Benzo(a)anthracene	13.77	228	145388	3.415	ng	97
83) Chrysene	13.81	228	138549	3.345	ng	95
88) Benzo(b)fluoranthene	14.78	252	165018	6.020	ng	# 86
89) Benzo(k)fluoranthene	14.78	252	165018	7.089	ng	# 87
90) Benzo(a)pyrene	15.10	252	89921	3.790	ng	# 83
92) Benzo(g,h,i)perylene	16.86	276	51750	2.290	ng	# 92

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

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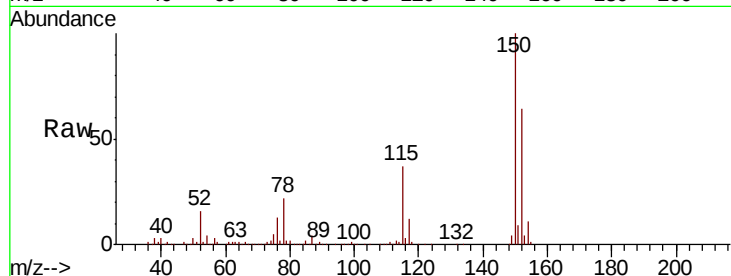


#1

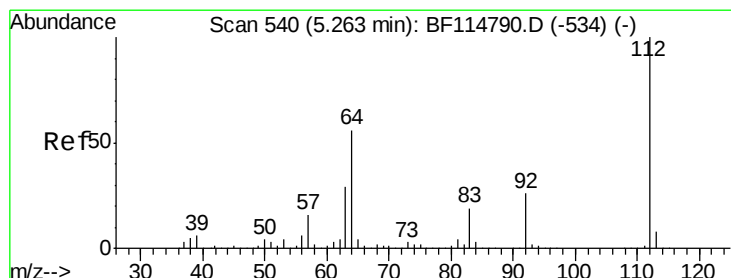
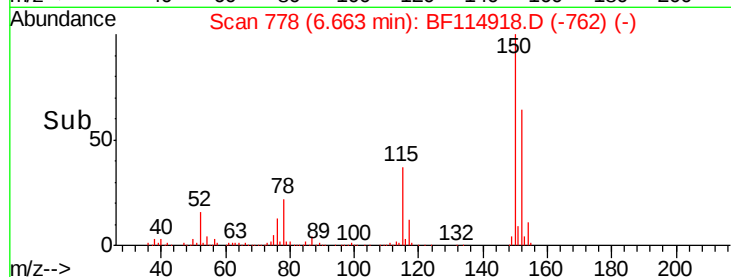
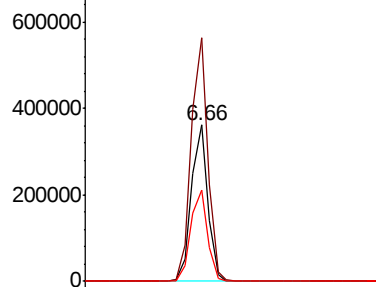
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.0	186.0
115	58.3	46.3	69.5



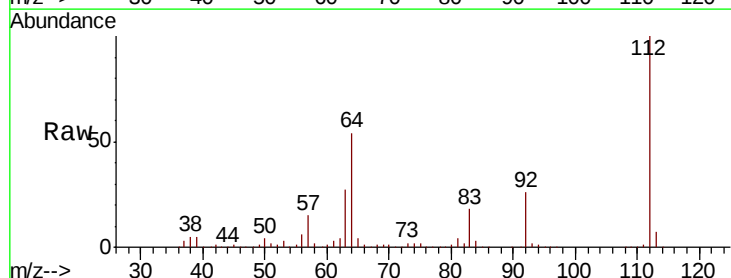
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



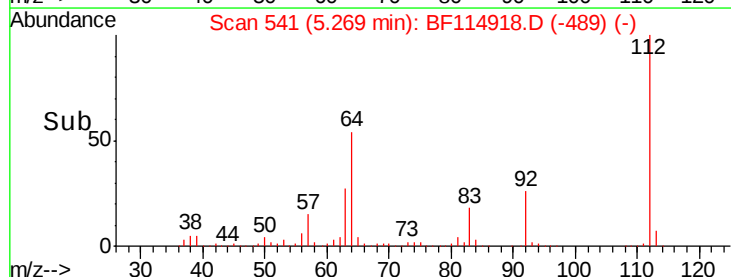
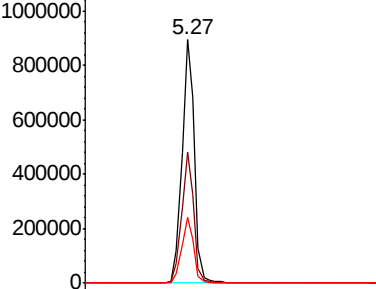
#5

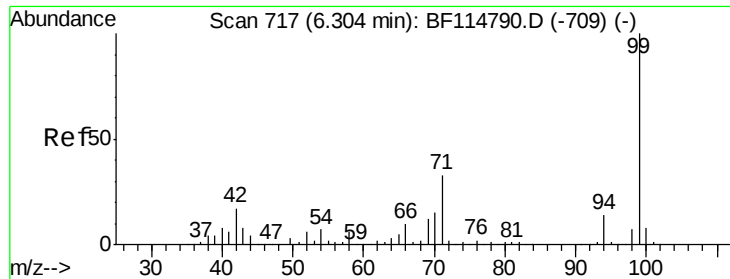
2-Fluorophenol
Concen: 50.228 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.6	66.8
63	27.2	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: 50.782 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

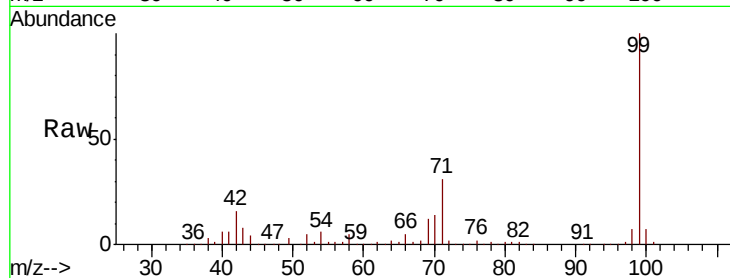
Tgt Ion: 99 Resp: 1034622

Ion Ratio Lower Upper

99 100

42 15.5 13.3 19.9

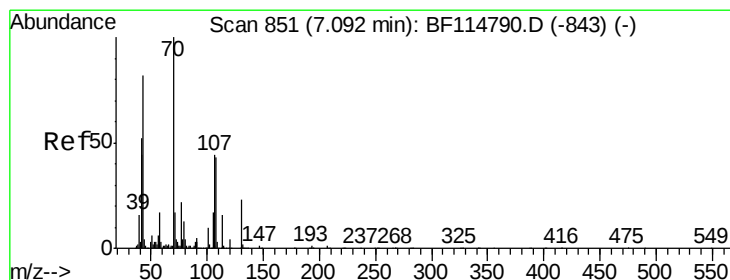
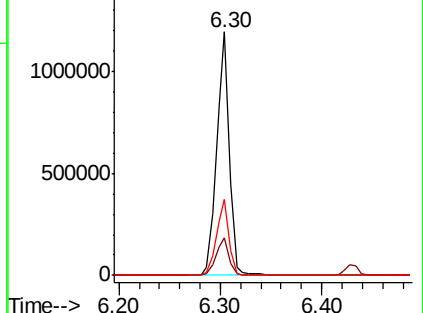
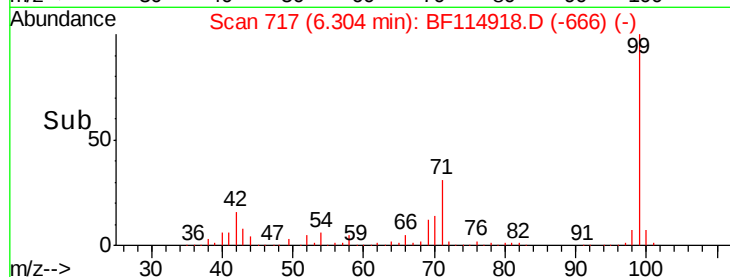
71 31.2 26.3 39.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.760 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Tgt Ion: 70 Resp: 77679

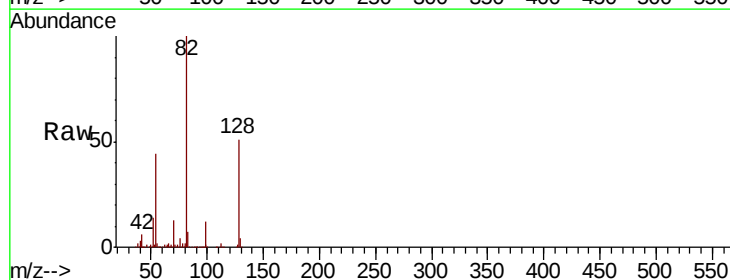
Ion Ratio Lower Upper

70 100

42 43.5 41.8 62.8

101 0.0 8.2 12.4#

130 2.8 18.5 27.7#

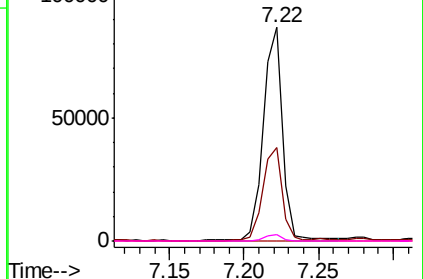
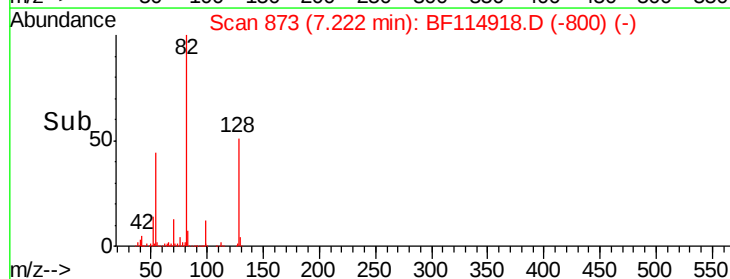


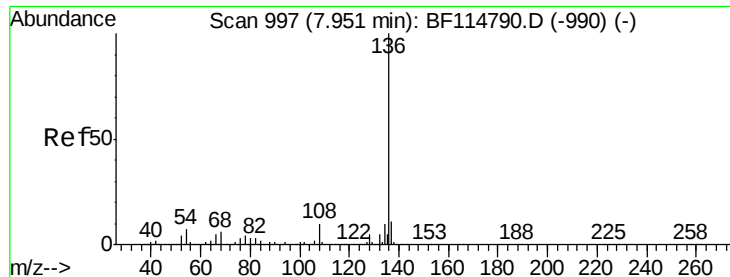
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

Tgt Ion:136 Resp: 1084674

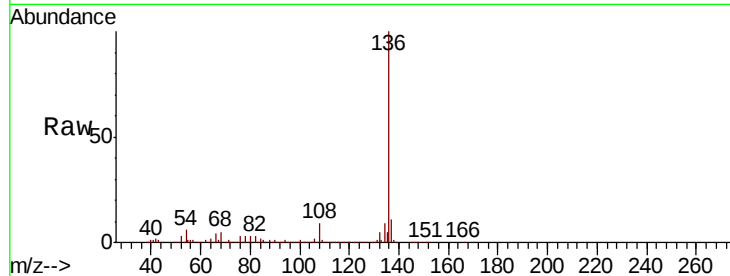
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.1 5.4 8.0

68 5.4 4.6 6.8

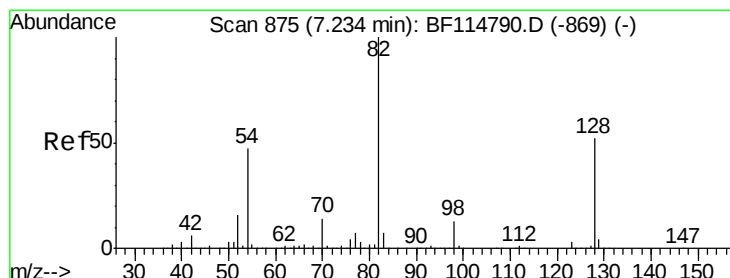
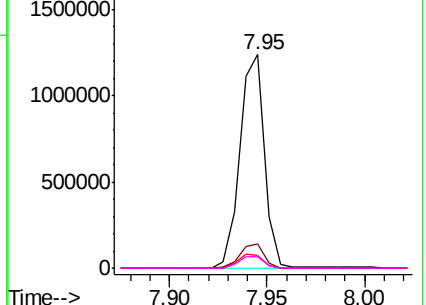
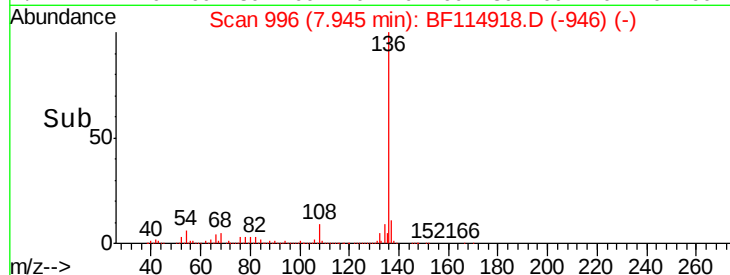


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.007 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

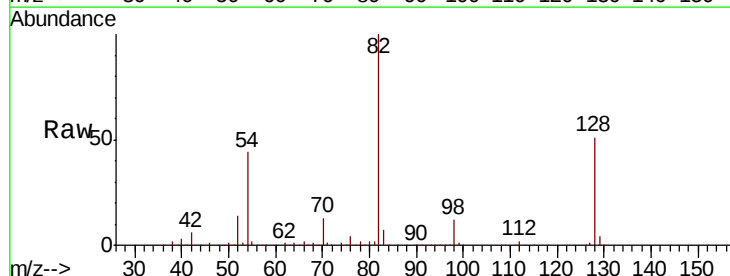
Tgt Ion: 82 Resp: 581599

Ion Ratio Lower Upper

82 100

128 51.3 41.8 62.6

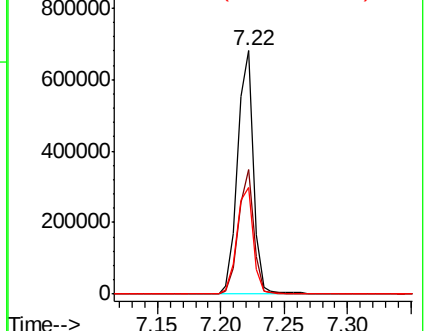
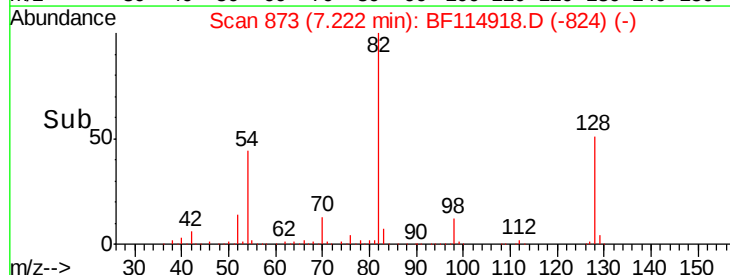
54 43.9 37.9 56.9

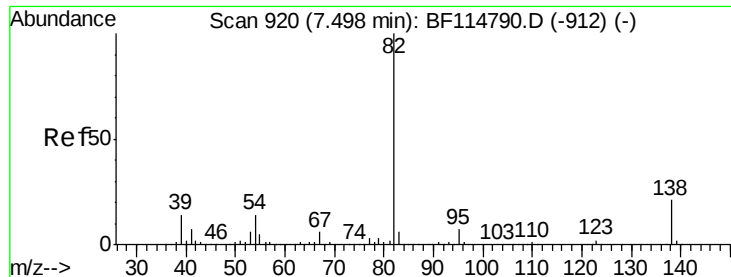


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.193 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

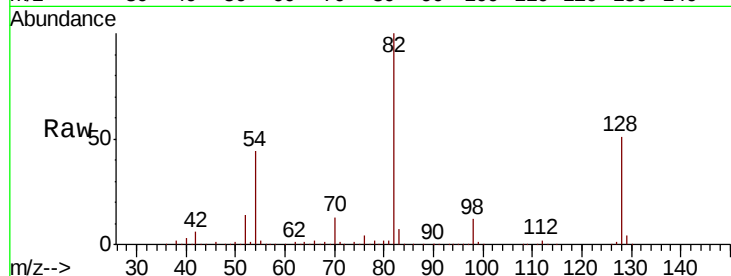
Tgt Ion: 82 Resp: 564081

Ion Ratio Lower Upper

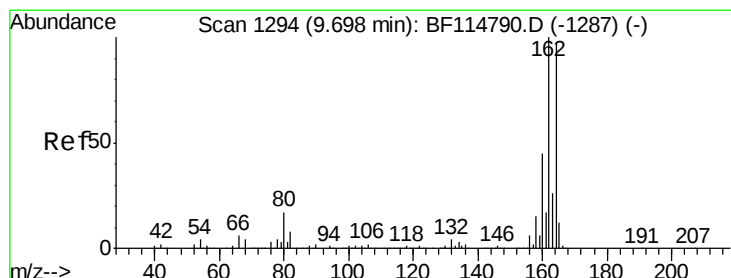
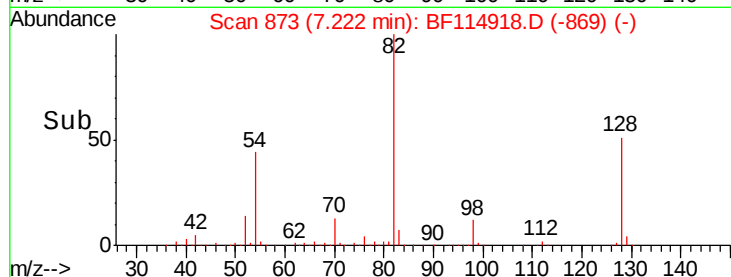
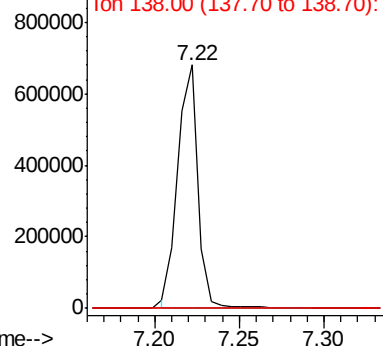
82 100

95 0.2 5.8 8.8#

138 0.0 16.9 25.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

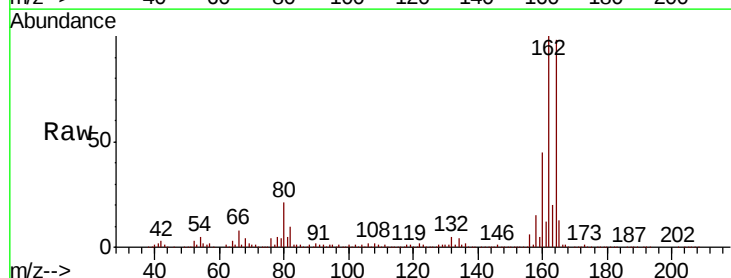
Tgt Ion: 164 Resp: 465289

Ion Ratio Lower Upper

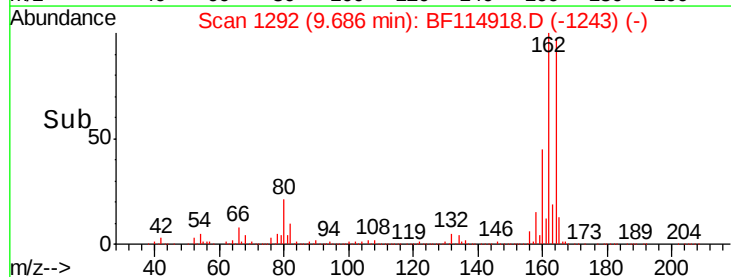
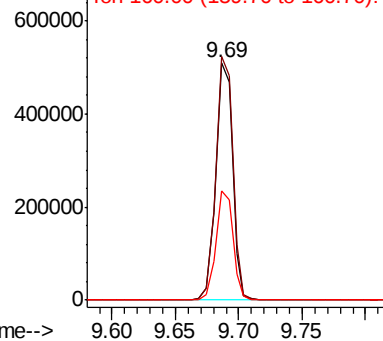
164 100

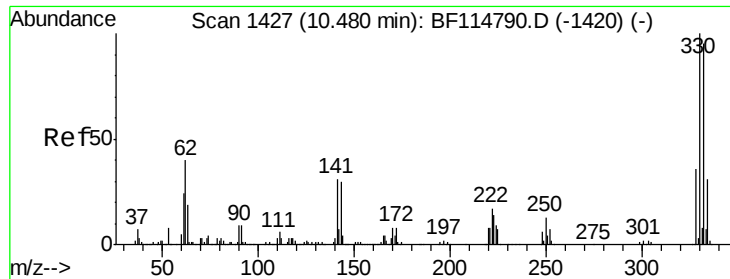
162 102.4 82.3 123.5

160 45.7 36.7 55.1



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: 40.923 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Instrument :

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ClientSampleId :

EO-02-060619-C

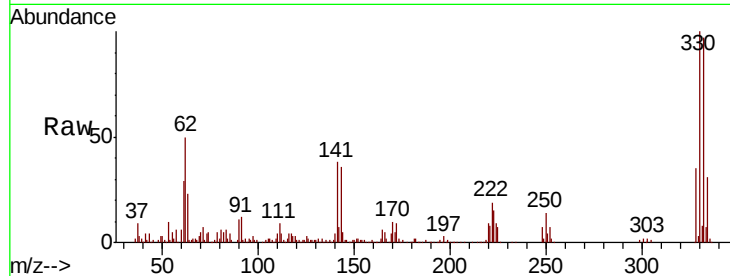
Tgt Ion:330 Resp: 205197

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

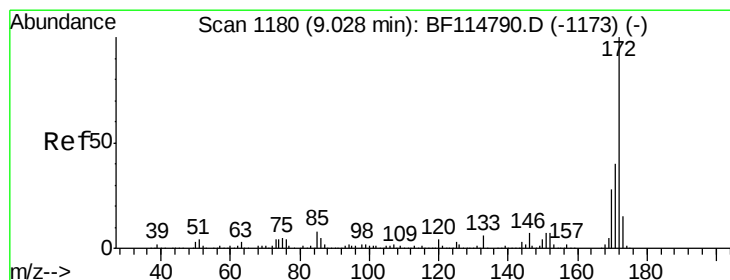
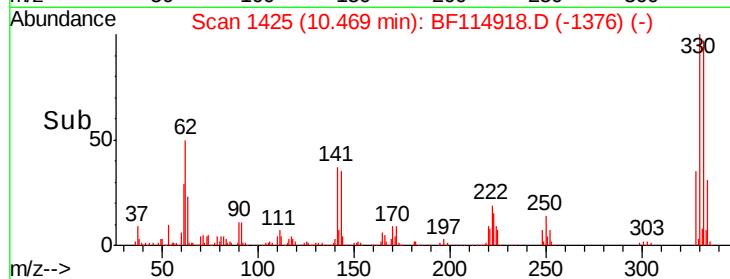
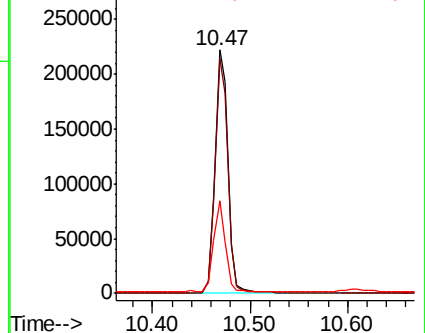
141 34.0 26.2 39.4



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: 44.930 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

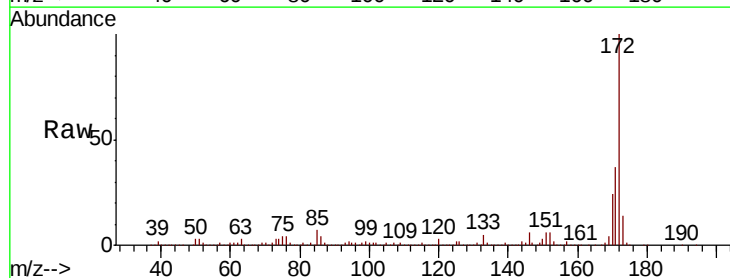
Tgt Ion:172 Resp: 1115988

Ion Ratio Lower Upper

172 100

171 36.5 32.3 48.5

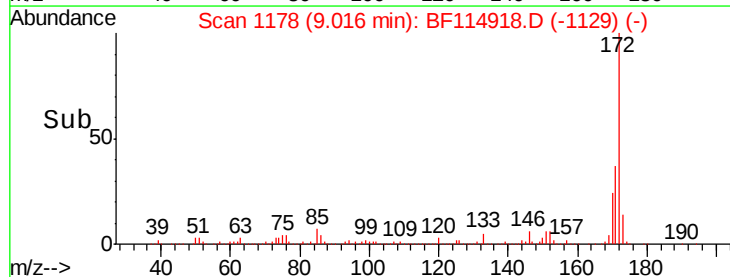
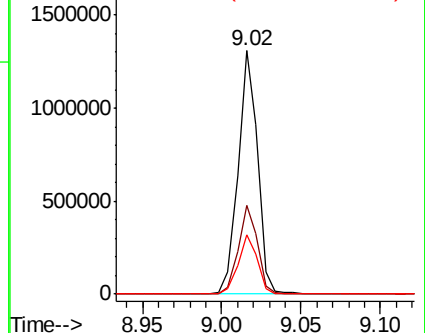
170 24.1 22.4 33.6

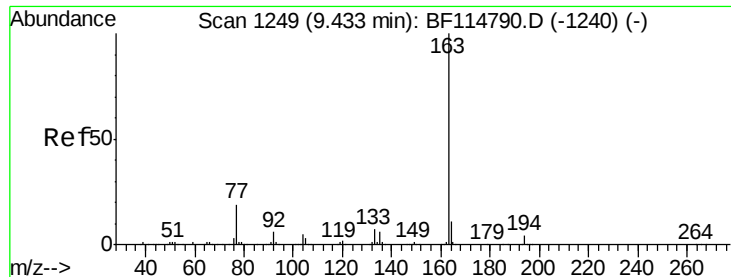


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.874 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

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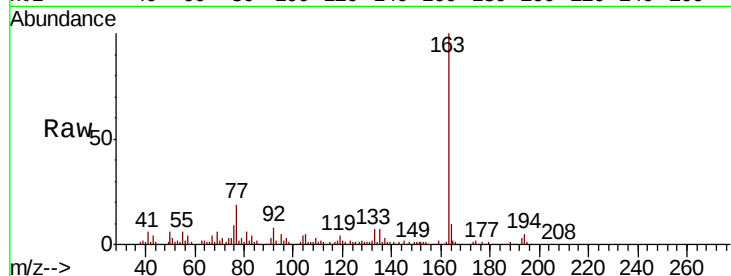
Tgt Ion:163 Resp: 97673

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

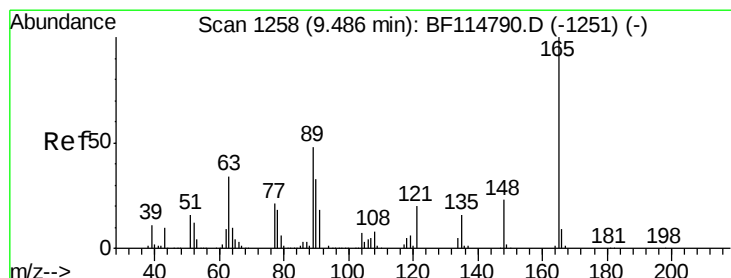
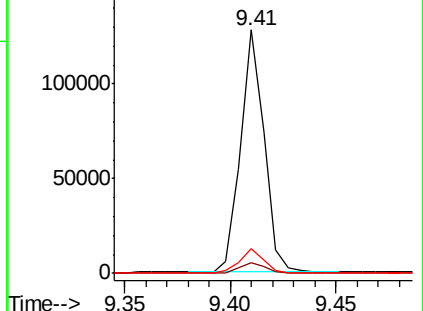
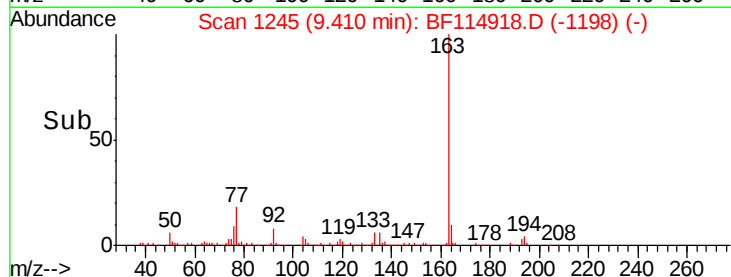
164 10.3 8.6 13.0



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



#51

2,6-Dinitrotoluene

Concen: 7.943 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.20 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

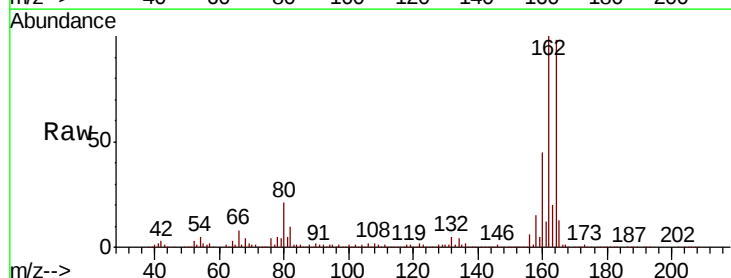
Tgt Ion:165 Resp: 63484

Ion Ratio Lower Upper

165 100

63 1.5 35.1 52.7#

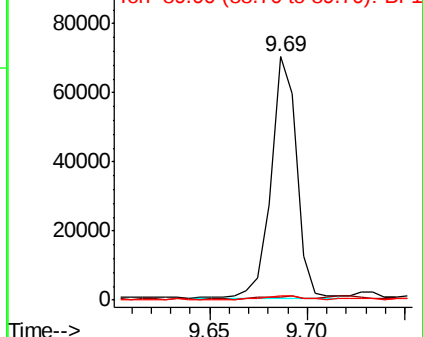
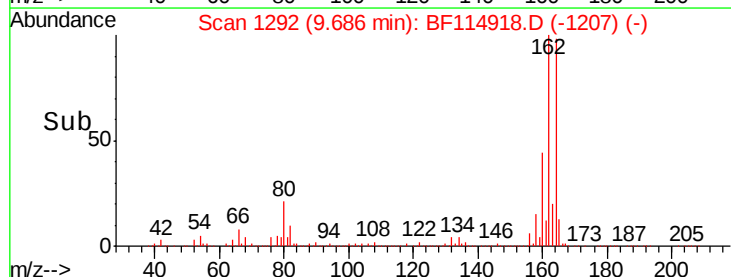
89 1.9 38.2 57.2#

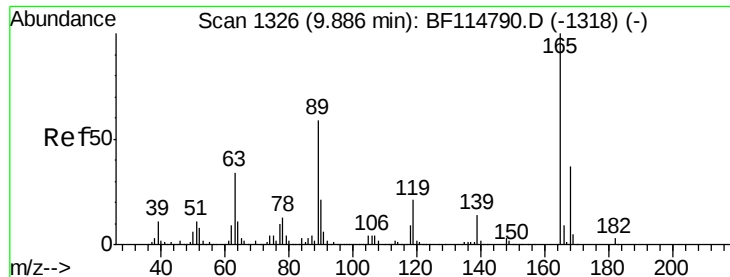


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

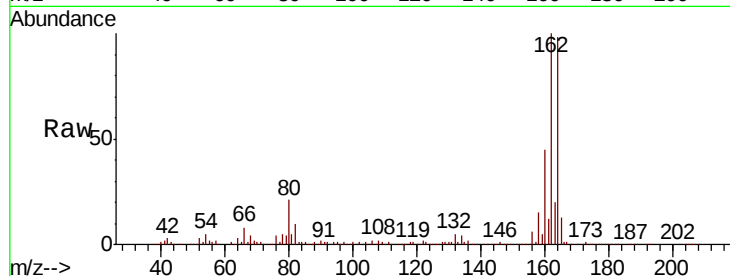




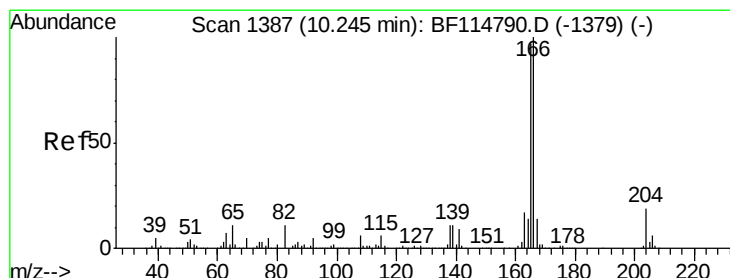
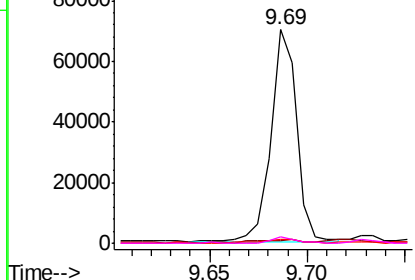
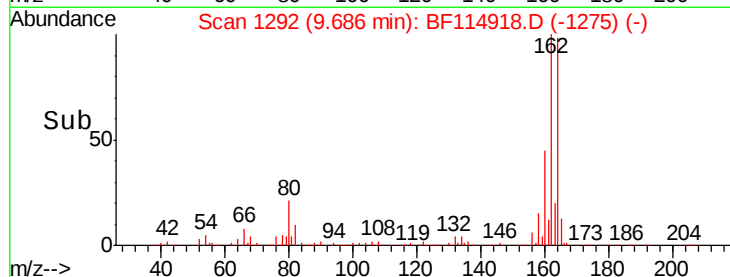
#57
2,4-Dinitrotoluene
Concen: 6.319 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.20 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.0	40.4#
89	1.9	47.0	70.6#
182	2.7	2.2	3.2

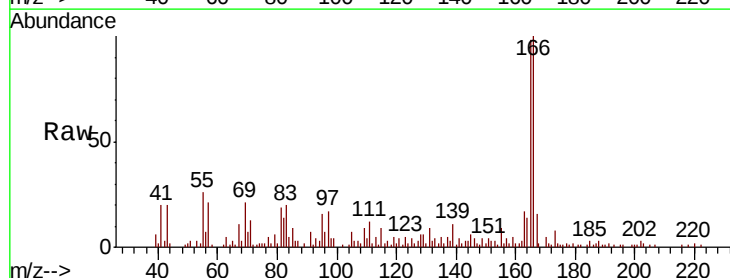


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

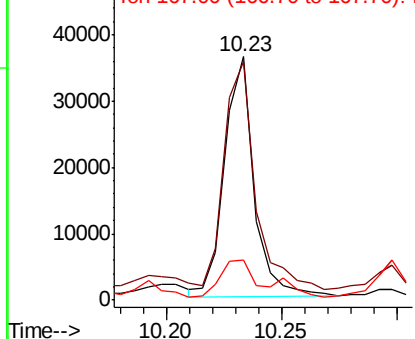
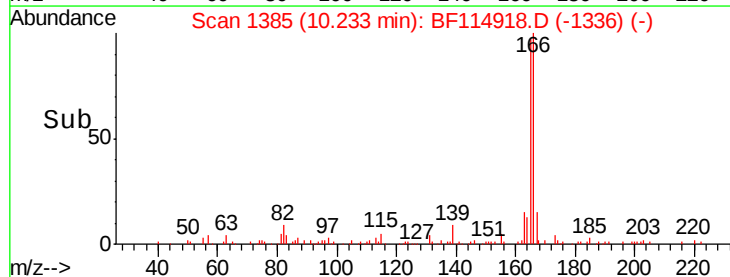


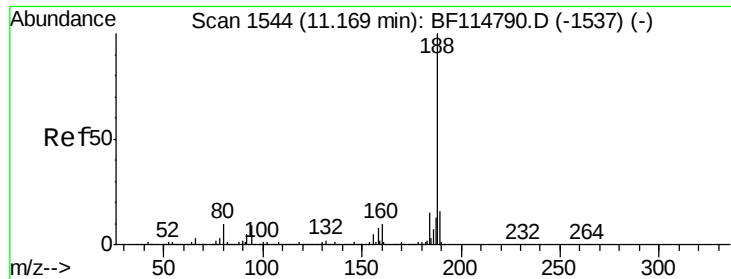
#58
Fluorene
Concen: Below Cal
RT: 10.23 min Scan# 1385
Delta R.T. -0.01 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.9	116.9
167	16.3	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

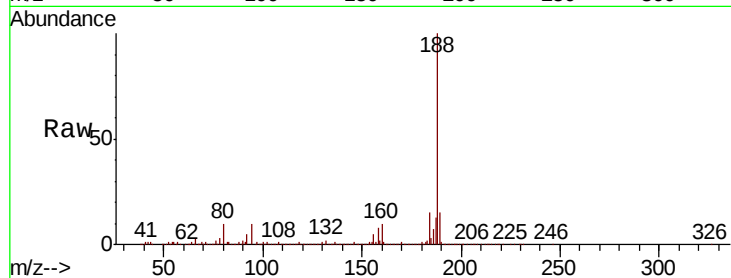




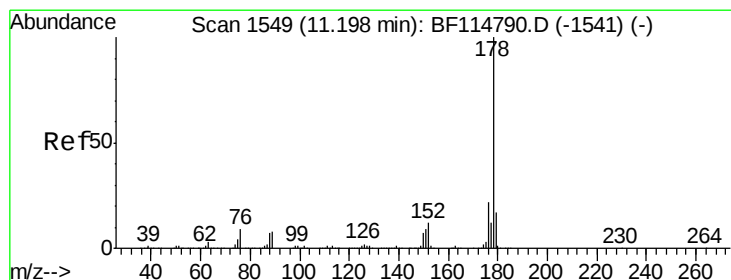
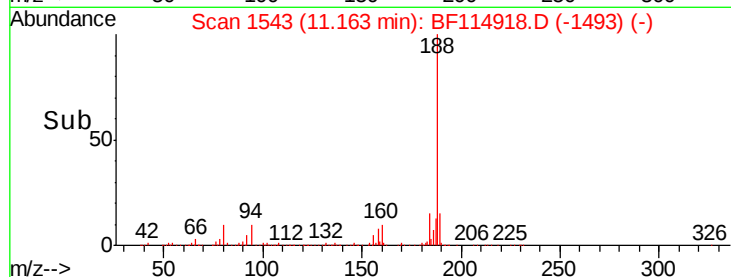
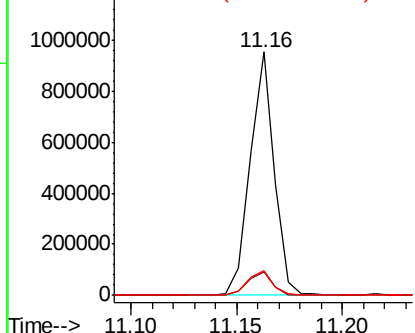
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

Tgt Ion:188 Resp: 757301
Ion Ratio Lower Upper
188 100
94 9.6 7.6 11.4
80 9.9 8.3 12.5

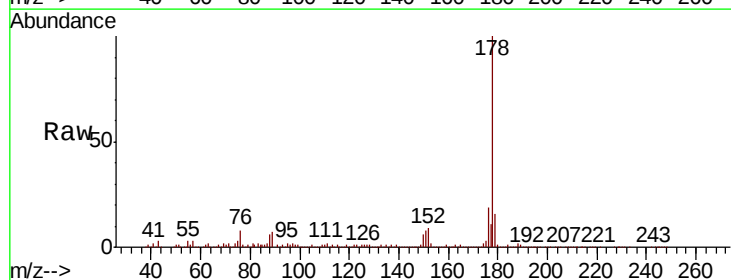


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

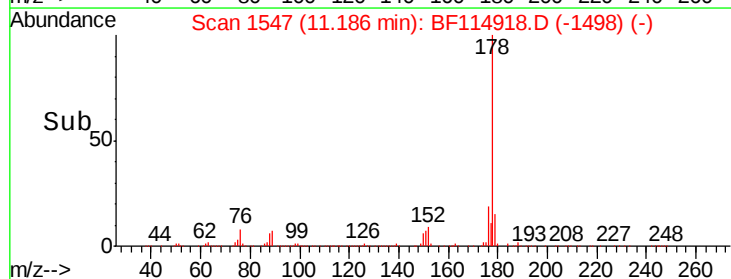
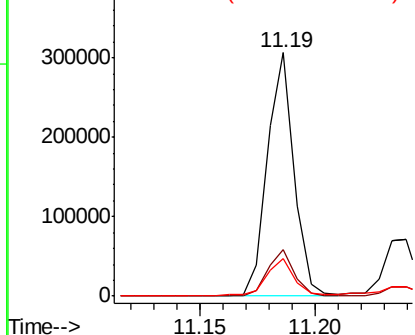


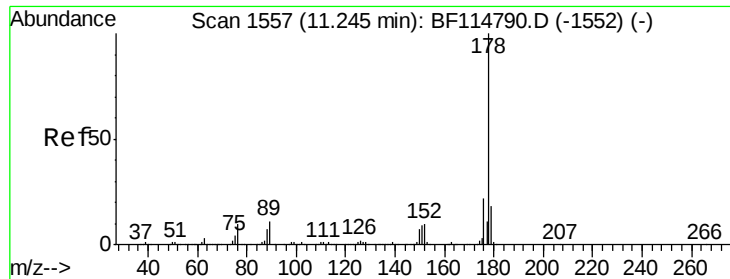
#71
Phenanthrene
Concen: 6.769 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

Tgt Ion:178 Resp: 244719
Ion Ratio Lower Upper
178 100
176 19.1 17.7 26.5
179 15.5 13.7 20.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

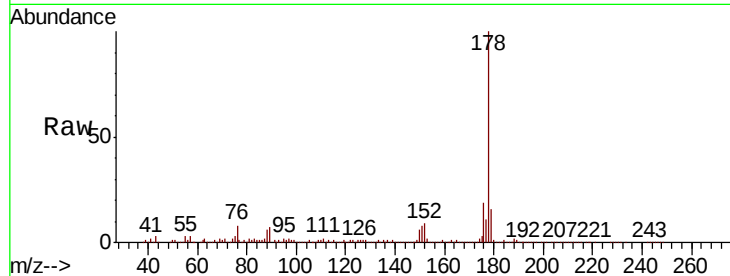




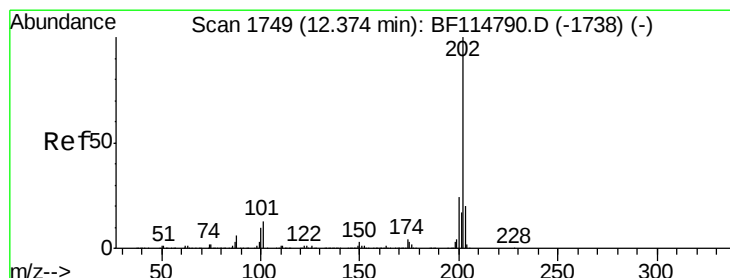
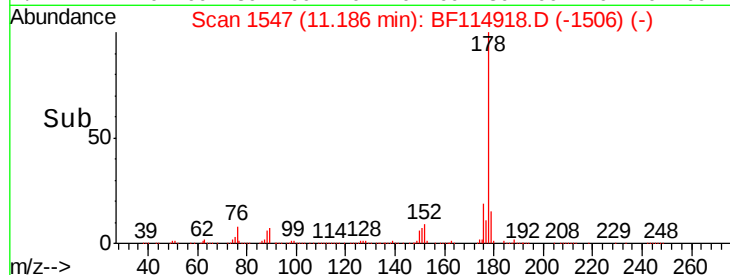
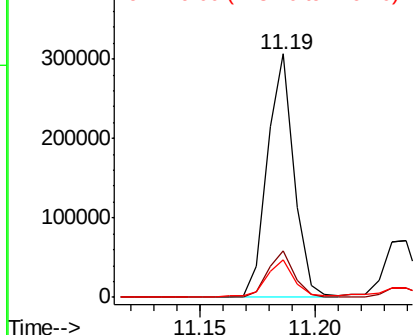
#72
 Anthracene
 Concen: 6.432 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.06 min
 Lab File: BF114918.D
 Acq: 8 Jun 2019 4:04

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-C

Tgt Ion:178 Resp: 244719
 Ion Ratio Lower Upper
 178 100
 176 19.1 17.4 26.0
 179 15.5 14.2 21.4

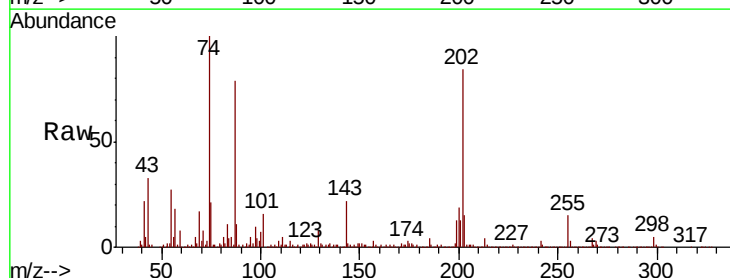


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

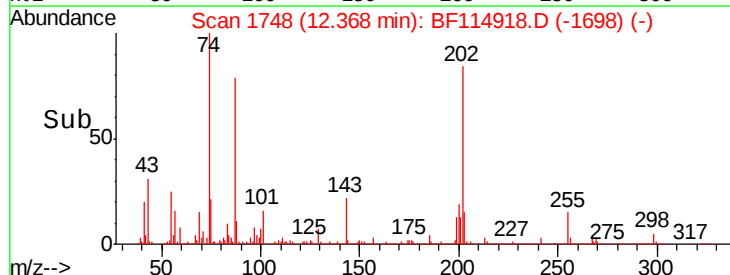
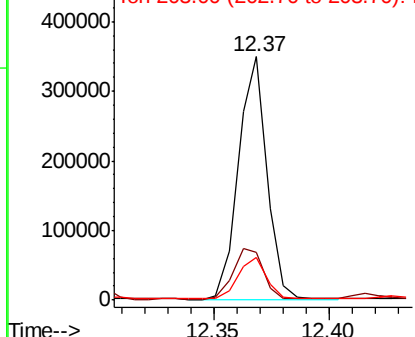


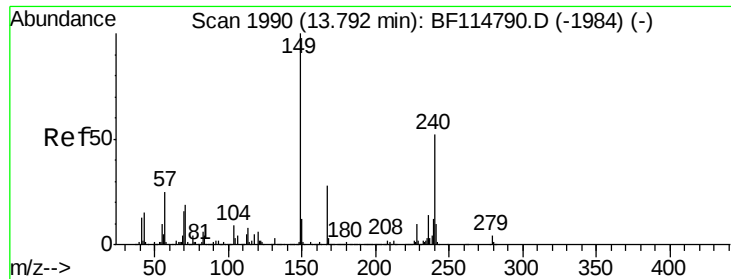
#75
 Fluoranthene
 Concen: 7.962 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BF114918.D
 Acq: 8 Jun 2019 4:04

Tgt Ion:202 Resp: 299606
 Ion Ratio Lower Upper
 202 100
 101 19.4 0.0 32.8
 203 17.6 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

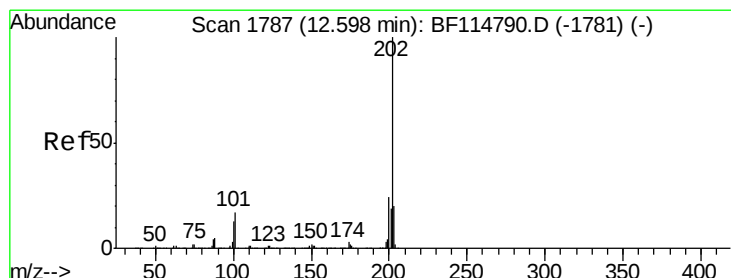
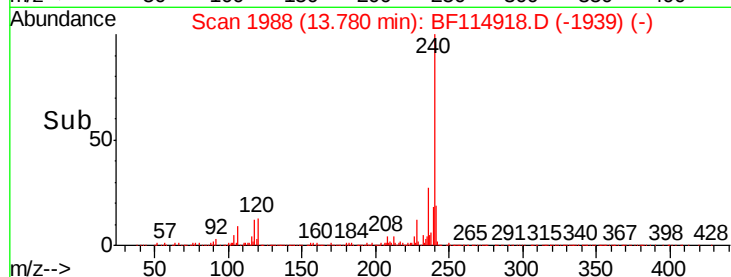
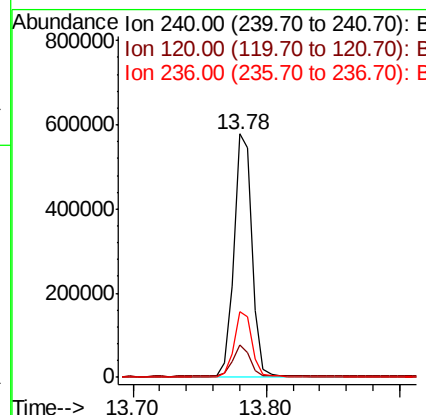
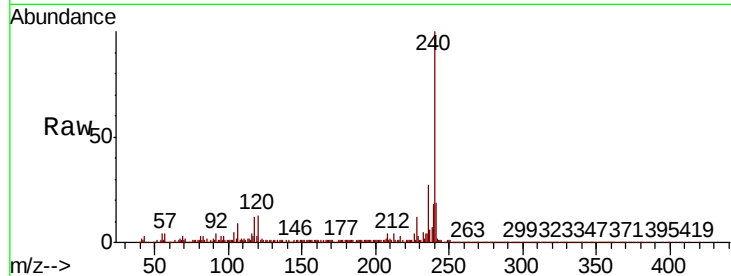




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

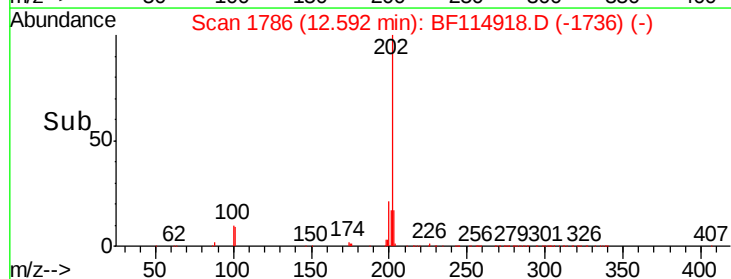
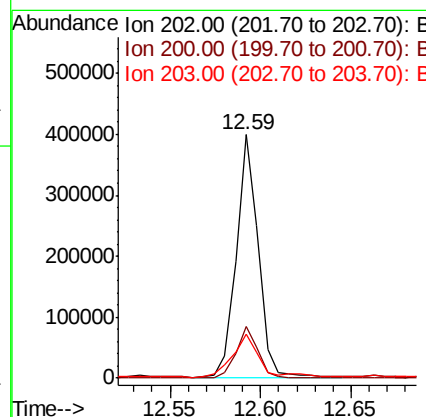
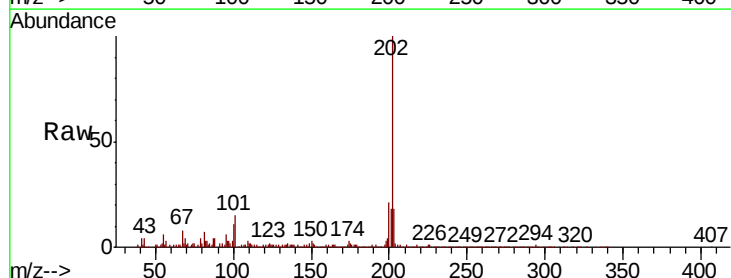
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

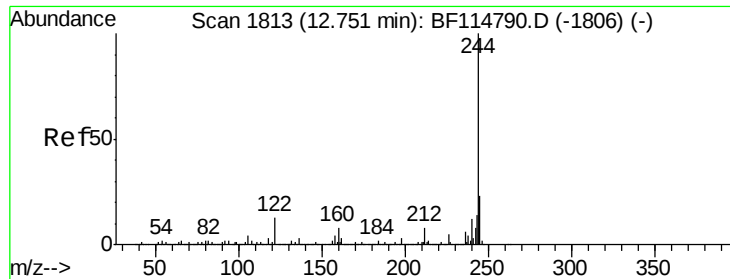
Tgt Ion:240 Resp: 552522
Ion Ratio Lower Upper
240 100
120 13.3 9.0 13.4
236 27.0 21.4 32.0



#78
Pyrene
Concen: 6.937 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114918.D
Acq: 8 Jun 2019 4:04

Tgt Ion:202 Resp: 332500
Ion Ratio Lower Upper
202 100
200 21.1 19.2 28.8
203 18.2 15.9 23.9

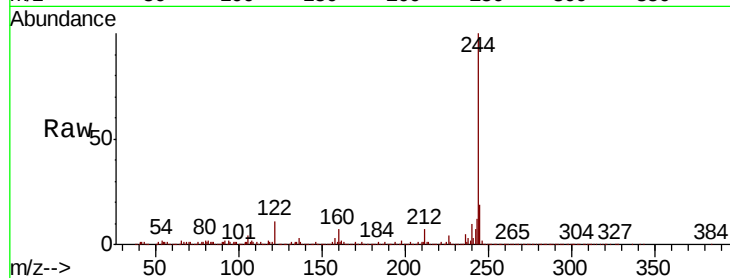




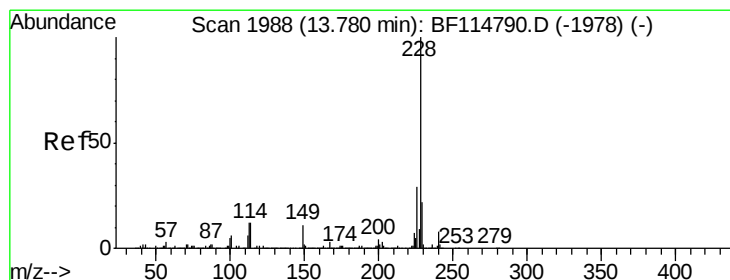
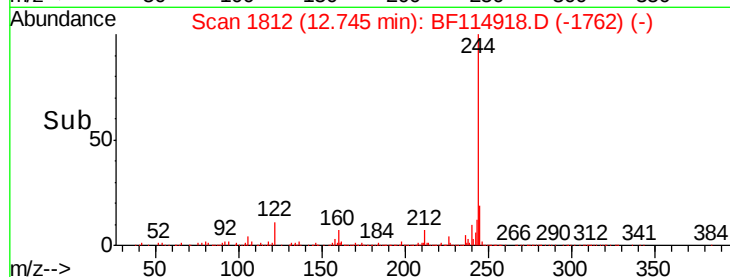
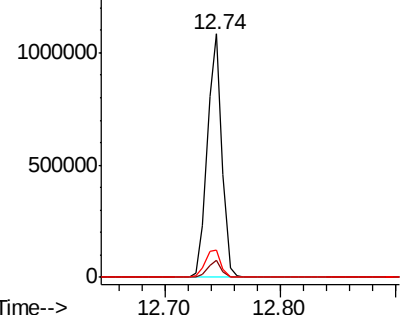
#79
 Terphenyl-d14
 Concen: 32.974 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF114918.D
 Acq: 8 Jun 2019 4:04

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-C

Tgt Ion:244 Resp: 936822
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 11.5 10.5 15.7

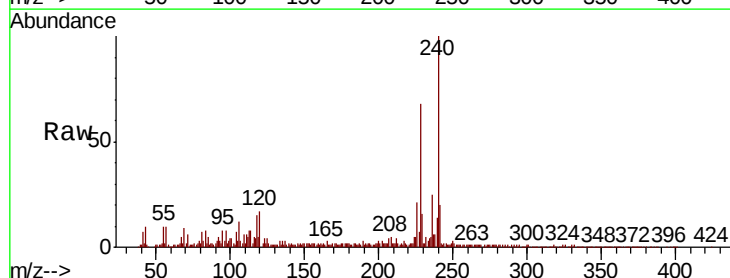


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

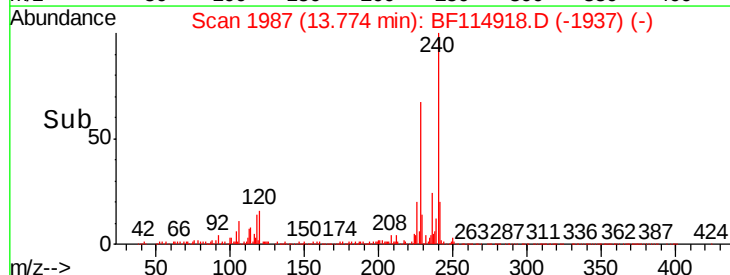
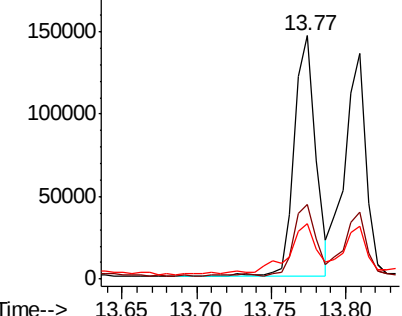


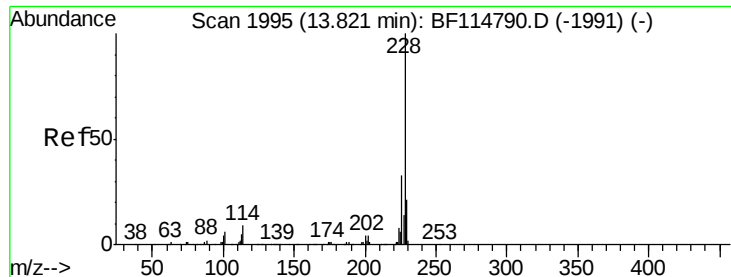
#81
 Benzo(a)anthracene
 Concen: 3.415 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114918.D
 Acq: 8 Jun 2019 4:04

Tgt Ion:228 Resp: 145388
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.4 35.2
 229 23.0 17.4 26.0



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





#83

Chrysene

Concen: 3.345 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

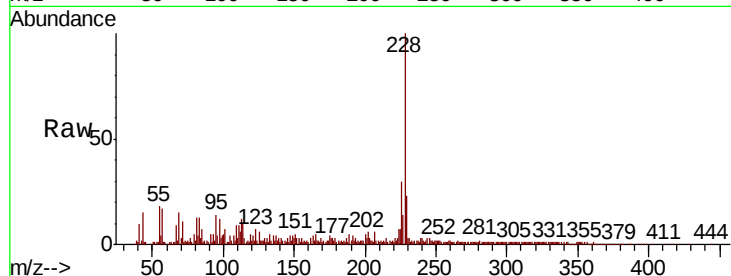
Tgt Ion: 228 Resp: 138549

Ion Ratio Lower Upper

228 100

226 29.7 26.0 39.0

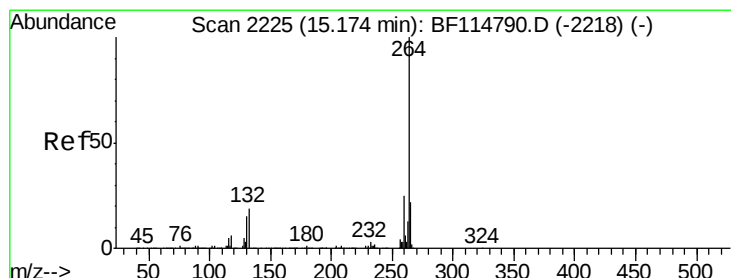
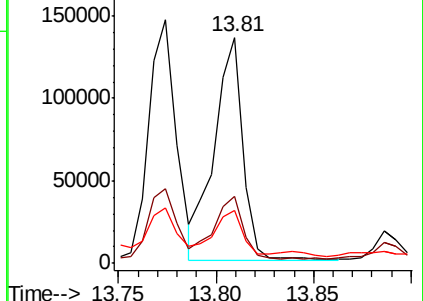
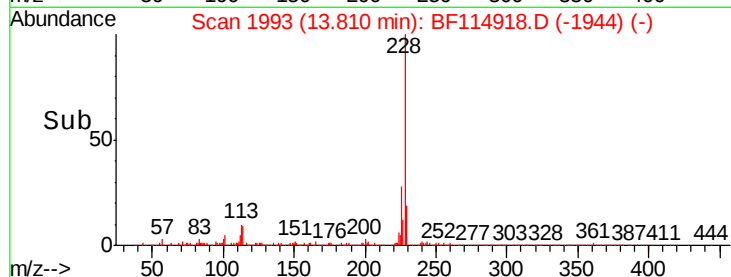
229 23.5 17.1 25.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

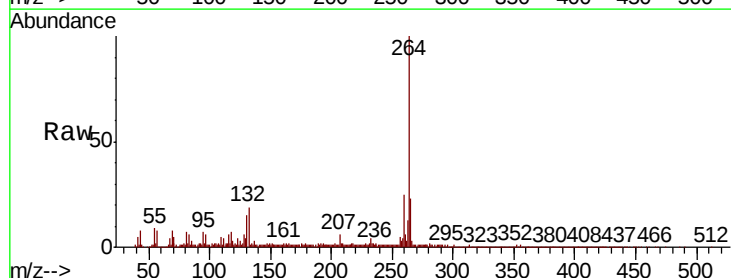
Tgt Ion: 264 Resp: 430603

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

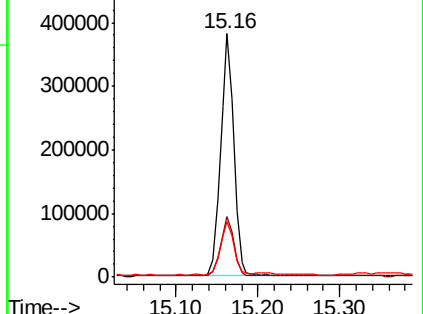
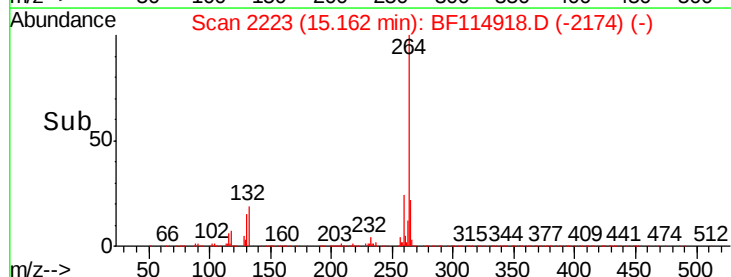
265 23.0 17.7 26.5

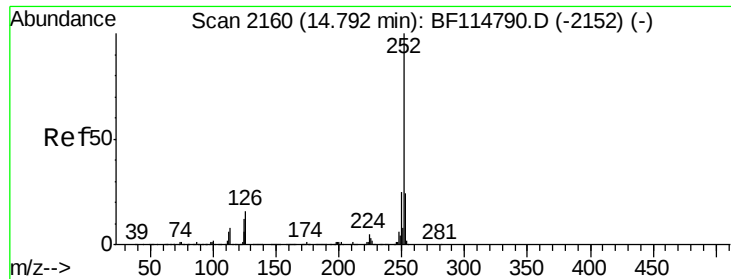


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 6.020 ng

RT: 14.78 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

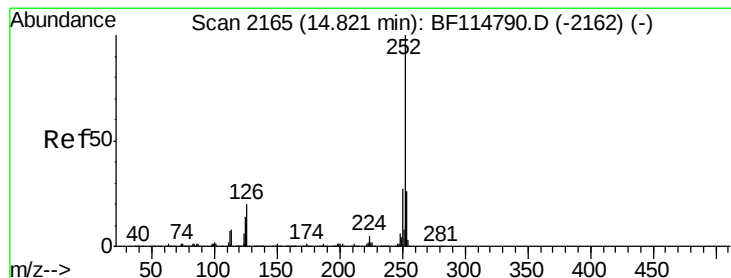
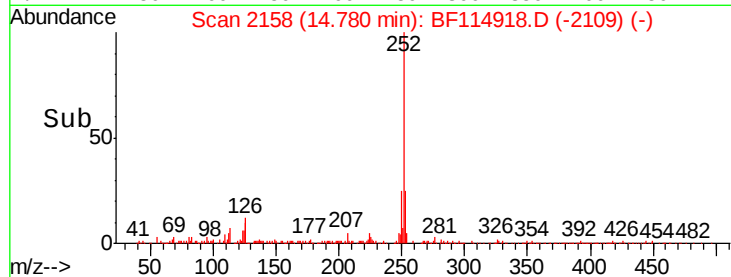
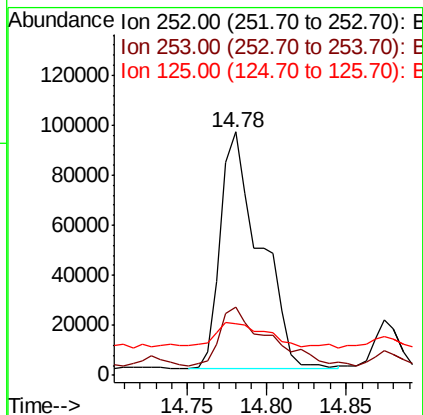
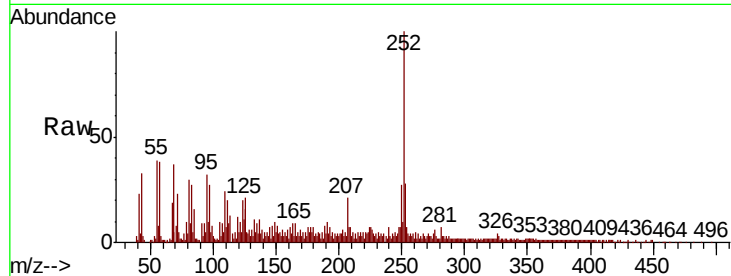
Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

Tgt Ion:	252	Resp:	165018
Ion Ratio	Lower	Upper	
252	100		
253	27.9	19.0	28.6
125	21.3	9.4	14.0#



#89

Benzo(k)fluoranthene

Concen: 7.089 ng

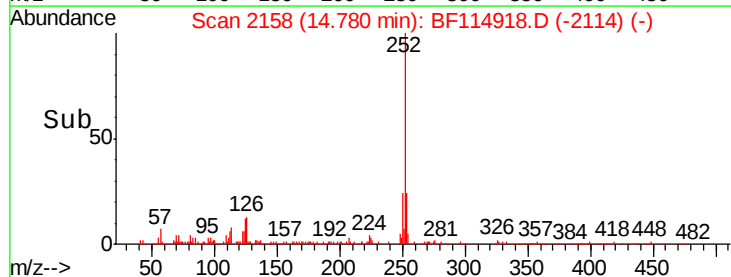
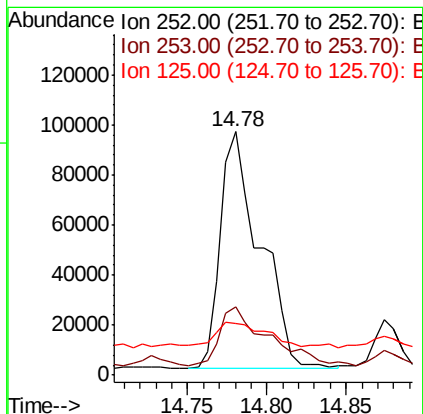
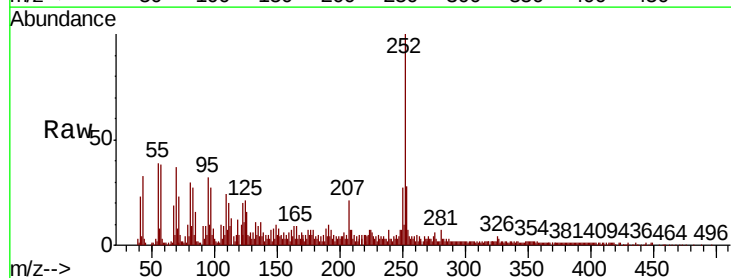
RT: 14.78 min Scan# 2158

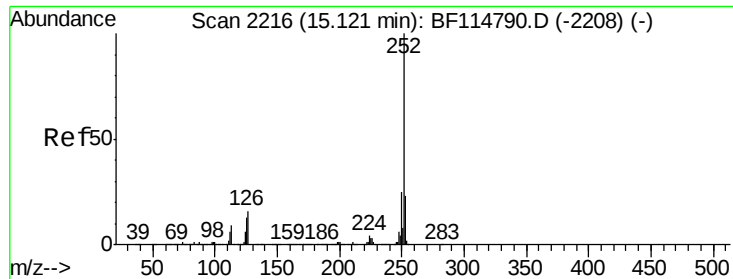
Delta R.T. -0.04 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Tgt Ion:	252	Resp:	165018
Ion Ratio	Lower	Upper	
252	100		
253	27.9	19.3	28.9
125	21.3	10.1	15.1#





#90

Benzo(a)pyrene

Concen: 3.790 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

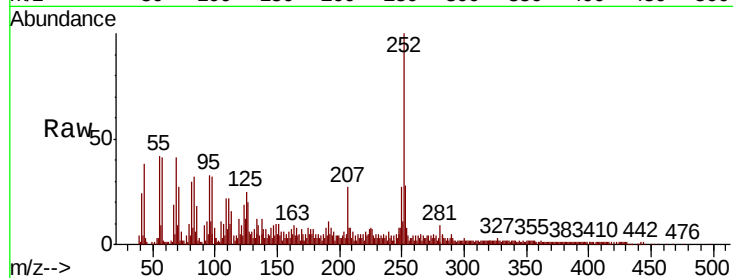
Tgt Ion:252 Resp: 89921

Ion Ratio Lower Upper

252 100

253 27.9 18.5 27.7#

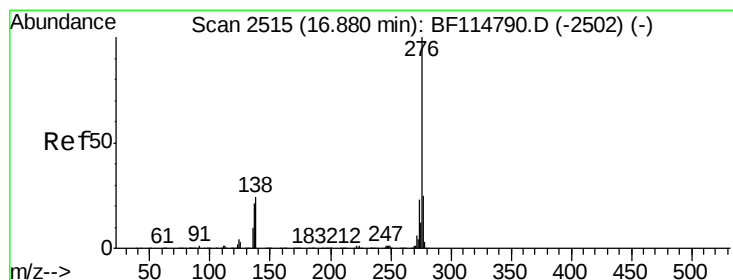
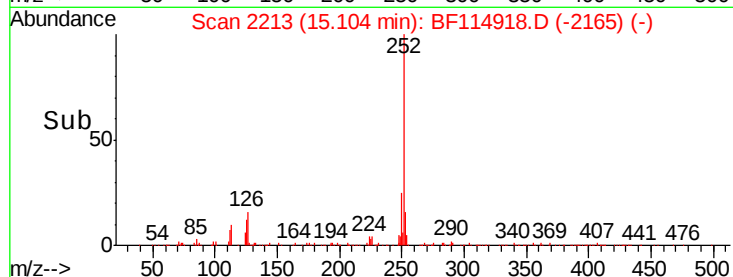
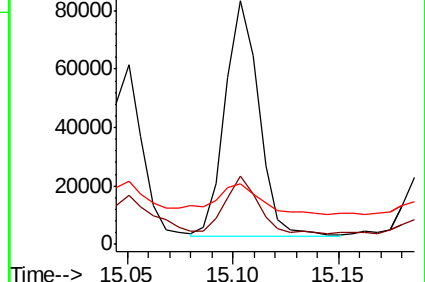
125 24.8 10.1 15.1#



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



#92

Benzo(g,h,i)perylene

Concen: 2.290 ng

RT: 16.86 min Scan# 2511

Delta R.T. -0.02 min

Lab File: BF114918.D

Acq: 8 Jun 2019 4:04

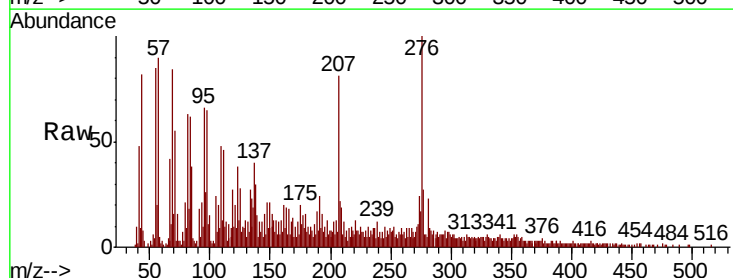
Tgt Ion:276 Resp: 51750

Ion Ratio Lower Upper

276 100

277 27.4 19.8 29.6

138 29.8 19.4 29.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

