

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114940.D
 Acq On : 11 Jun 2019 12:33
 Operator : HP/JU
 Sample : K3160-05RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jun 11 13:21:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	229315	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	914733	20.00	ng	-0.01
39) Acenaphthene-d10	9.68	164	474296	20.00	ng	-0.01
64) Phenanthrene-d10	11.16	188	958800	20.00	ng	0.00
76) Chrysene-d12	13.78	240	639465	20.00	ng	-0.01
87) Perylene-d12	15.17	264	660522	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1243196	91.75	ng	-0.01
7) Phenol-d6	6.30	99	1503697	92.01	ng	-0.01
23) Nitrobenzene-d5	7.22	82	915681	61.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	470290	91.15	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1791855	59.96	ng	0.00
79) Terphenyl-d14	12.74	244	1975790	61.45	ng	0.00

Target Compounds

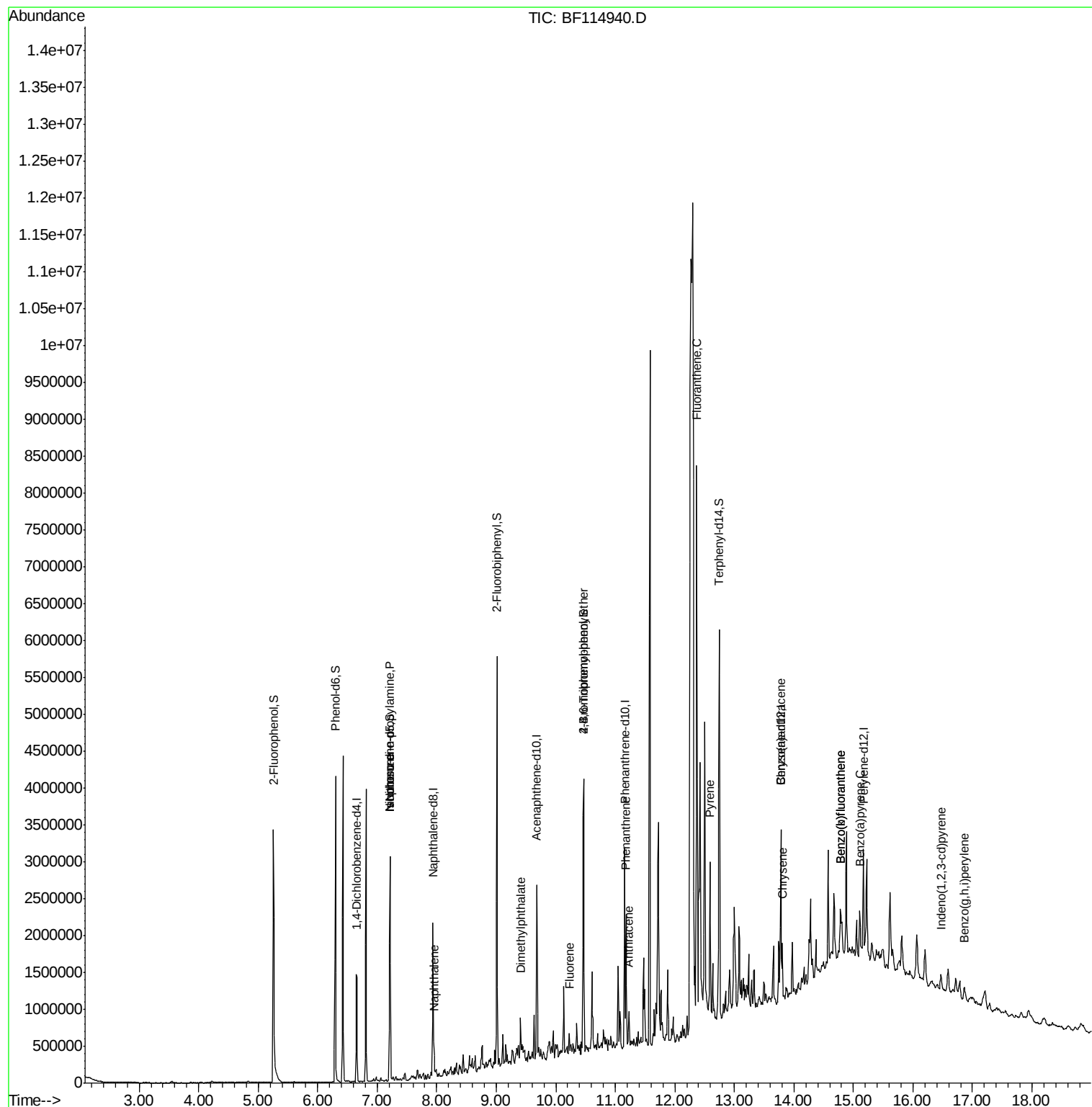
						Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	118695	11.614	ng	# 78
25) Isophorone	7.22	82	905793	31.070	ng	# 62
31) Naphthalene	7.96	128	96999	2.301	ng	97
50) Dimethylphthalate	9.40	163	195783	5.492	ng	98
58) Fluorene	10.23	166	70832	2.407	ng	99
67) 4-Bromophenyl-phenylether	10.47	248	31257	3.010	ng	# 1
71) Phenanthrene	11.18	178	631879	13.583	ng	96
72) Anthracene	11.23	178	151625	3.211	ng	98
75) Fluoranthene	12.36	202	632219	13.140	ng	91
78) Pyrene	12.59	202	758316	13.616	ng	97
81) Benzo(a)anthracene	13.77	228	340009	7.191	ng	98
83) Chrysene	13.80	228	327228	6.892	ng	95
86) Indeno(1,2,3-cd)pyrene	16.47	276	132961	2.979	ng	95
88) Benzo(b)fluoranthene	14.78	252	502477	11.685	ng	# 94
89) Benzo(k)fluoranthene	14.78	252	502477	13.464	ng	# 93
90) Benzo(a)pyrene	15.11	252	280071	7.498	ng	# 94
92) Benzo(a,h,i)perylene	16.86	276	128934	4.100	ng	93

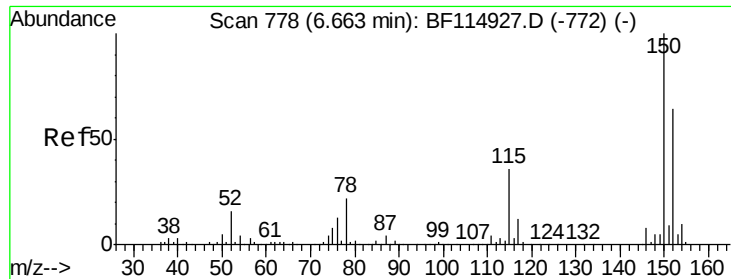
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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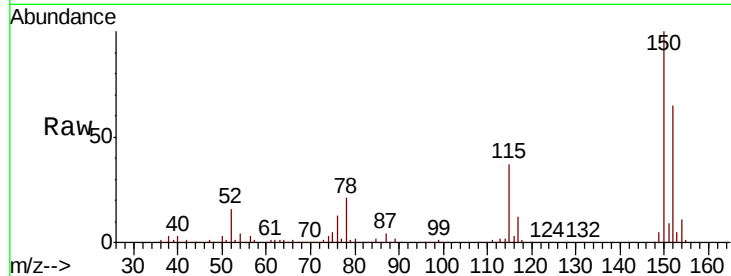


#1

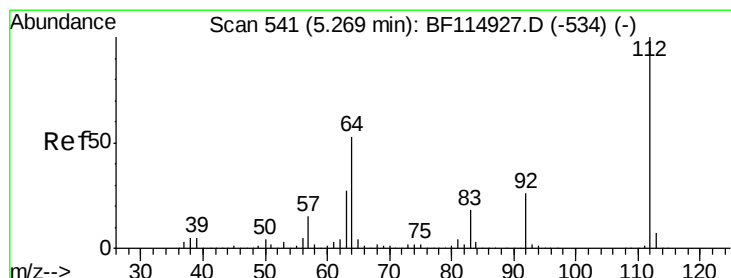
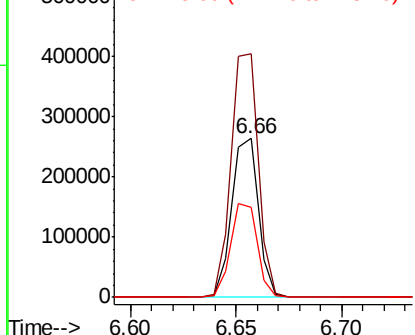
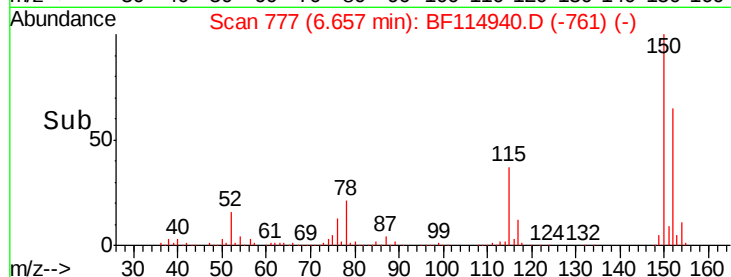
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

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

Tot Ion:152 Resp: 229315
 Ion Ratio Lower Upper
 152 100
 150 153.1 125.2 187.8
 115 56.3 45.0 67.4



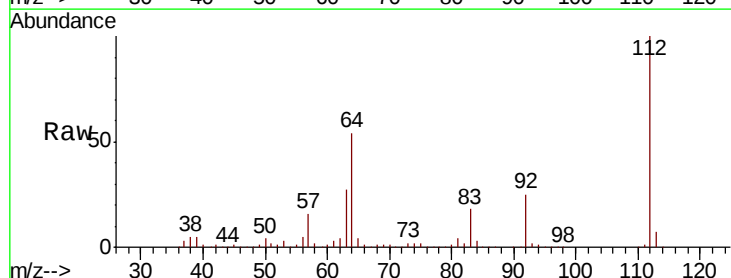
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



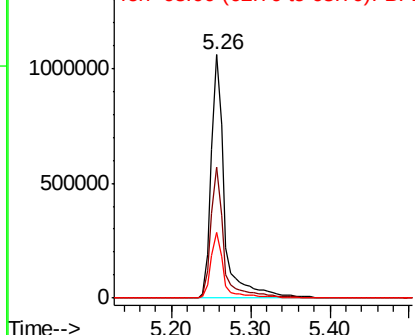
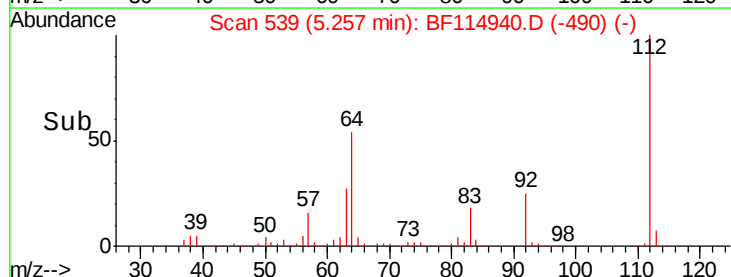
#5

2-Fluorophenol
 Concen: 91.752 ng
 RT: 5.26 min Scan# 539
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Tgt Ion:112 Resp: 1243196
 Ion Ratio Lower Upper
 112 100
 64 53.9 42.1 63.1
 63 27.0 21.8 32.8



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: 92.007 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Instrument :

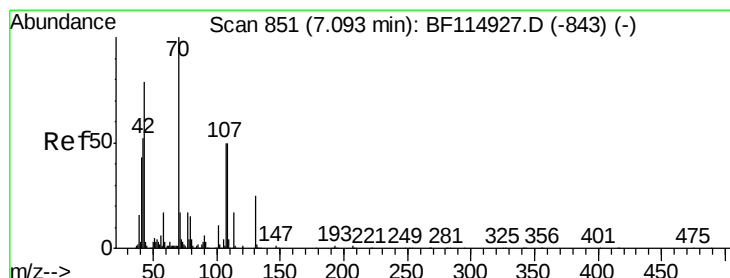
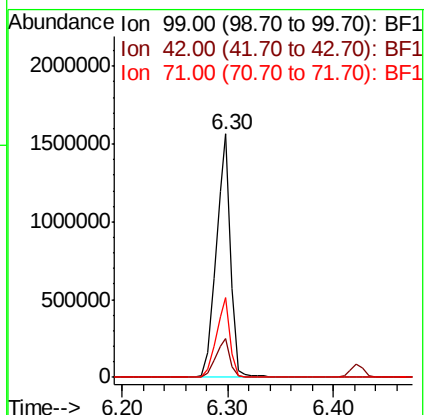
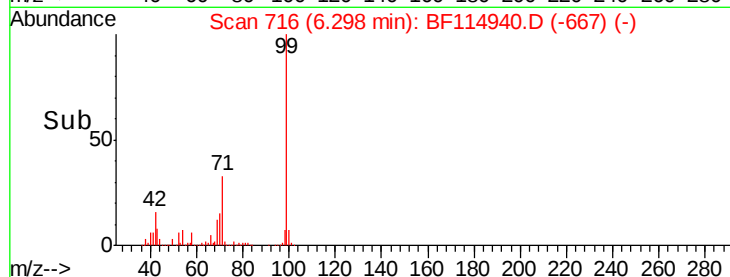
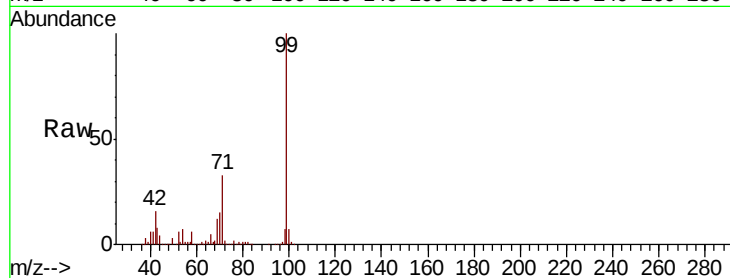
BNA_F

ClientSampleId :

EO-02-060619-C

Tot Ion: 99 Resp: 1503697

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.1	19.7
71	32.6	26.8	40.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.614 ng

RT: 7.22 min Scan# 872

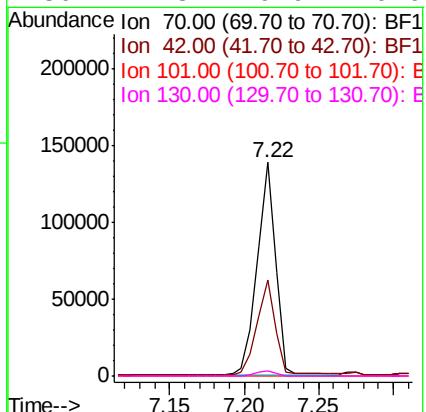
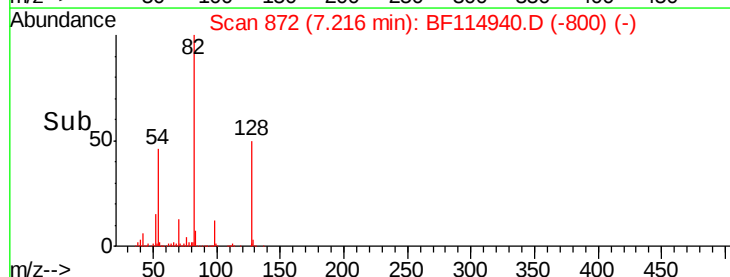
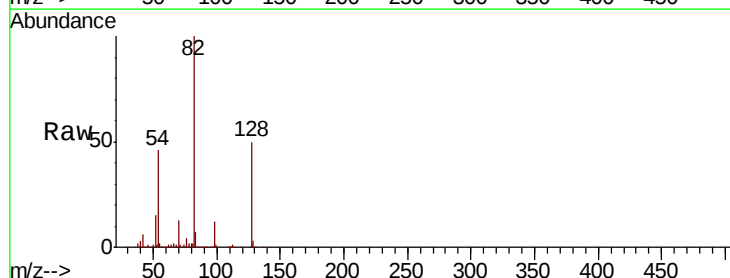
Delta R.T. 0.12 min

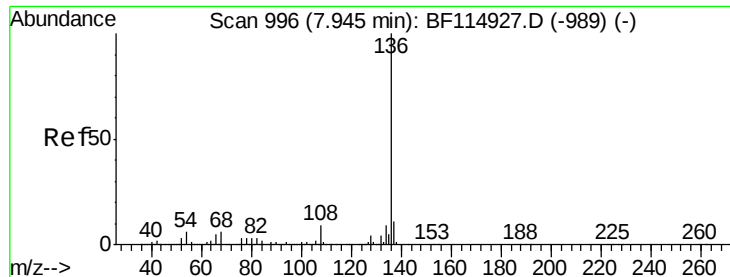
Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Tgt Ion: 70 Resp: 118695

Ion	Ratio	Lower	Upper
70	100		
42	45.2	41.7	62.5
101	0.0	8.4	12.6#
130	2.3	19.9	29.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

Tot Ion:136 Resp: 914733

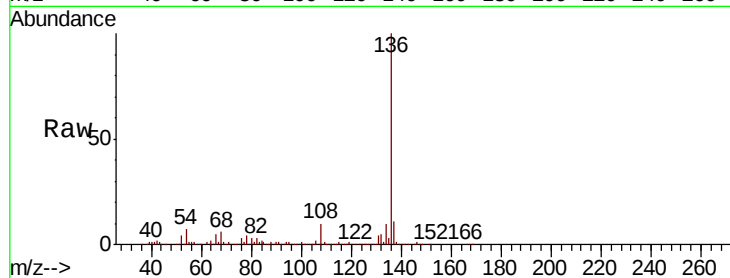
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 7.4 5.2 7.8

68 6.5 4.6 7.0

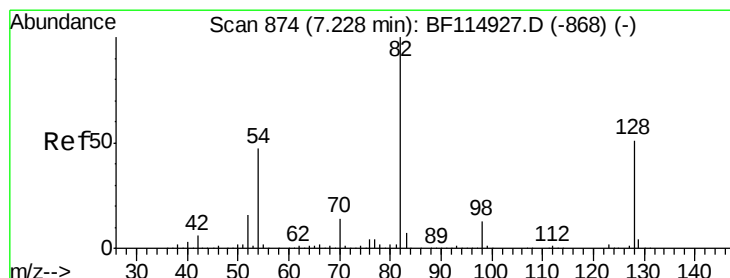
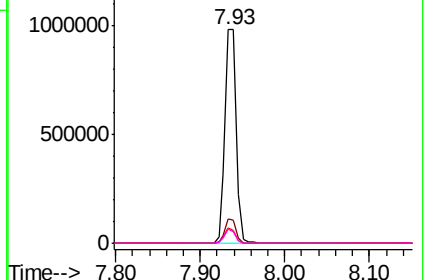
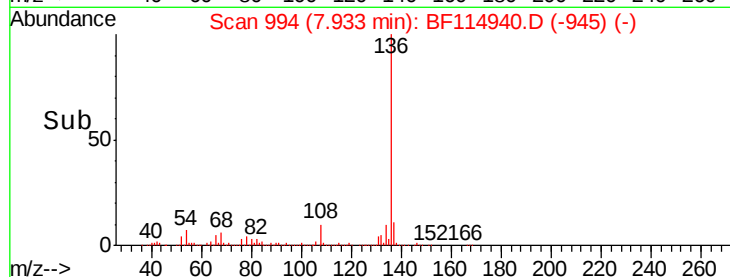


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.506 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

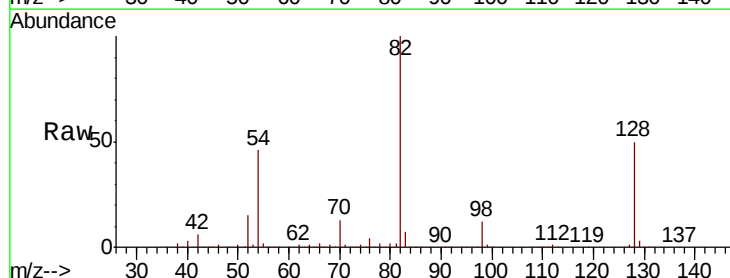
Tgt Ion: 82 Resp: 915681

Ion Ratio Lower Upper

82 100

128 49.5 40.9 61.3

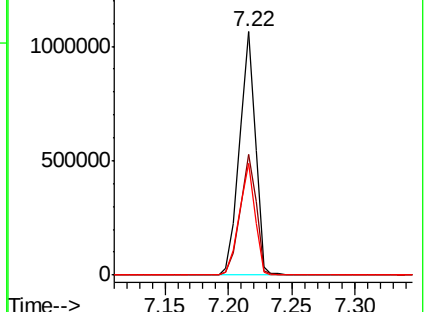
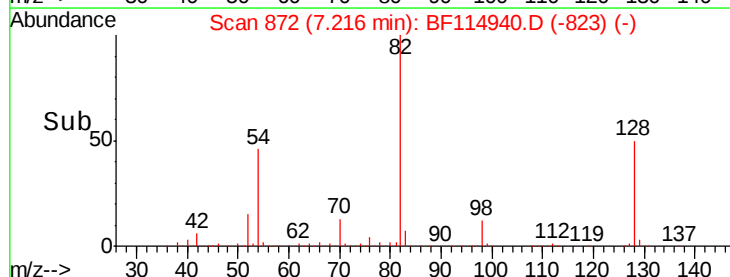
54 45.9 37.4 56.0

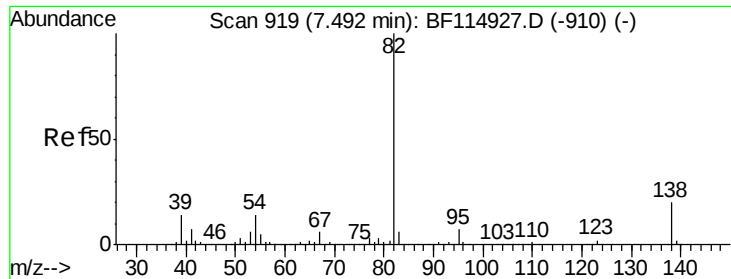


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

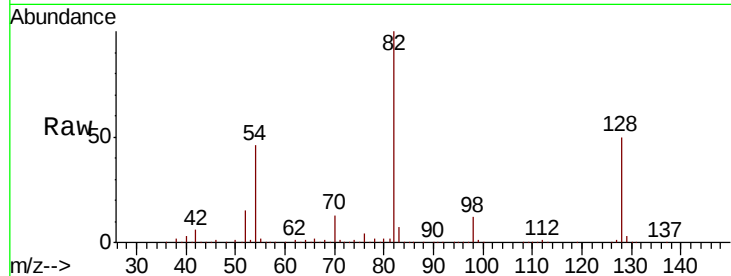




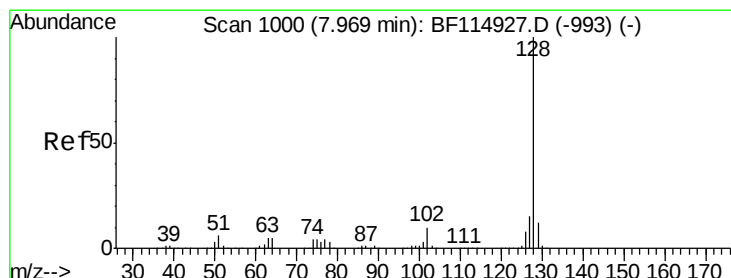
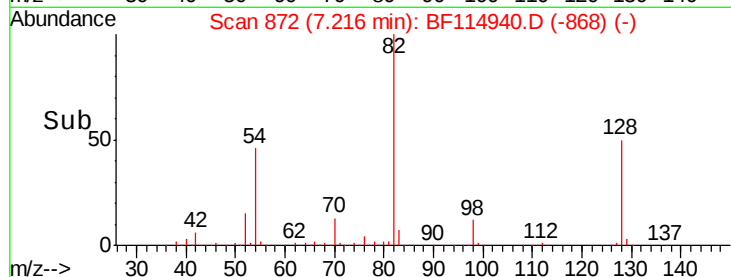
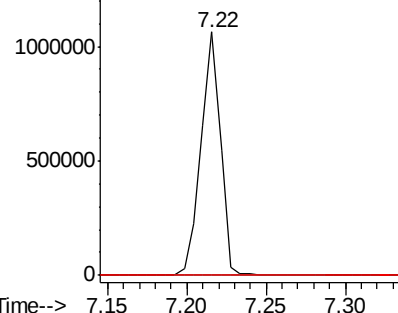
#25
Isophorone
Concen: 31.070 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.28 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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

Tot Ion: 82 Resp: 905793
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 16.4 24.6#

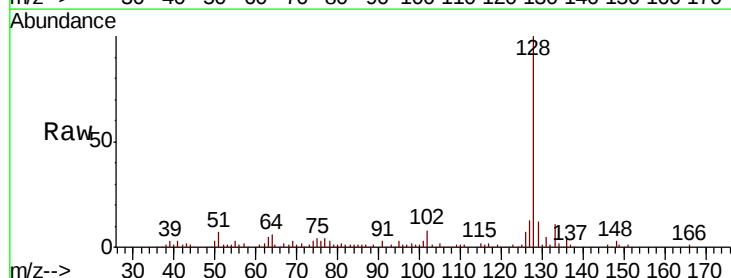


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

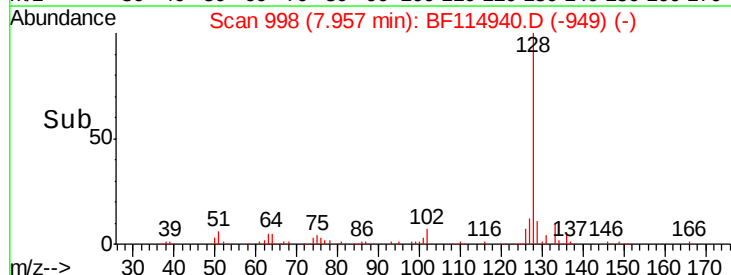
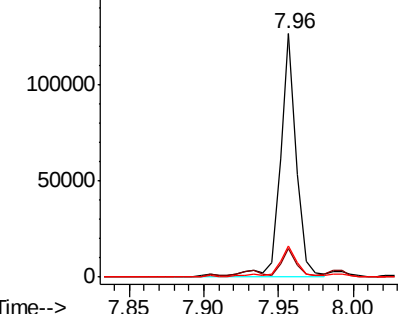


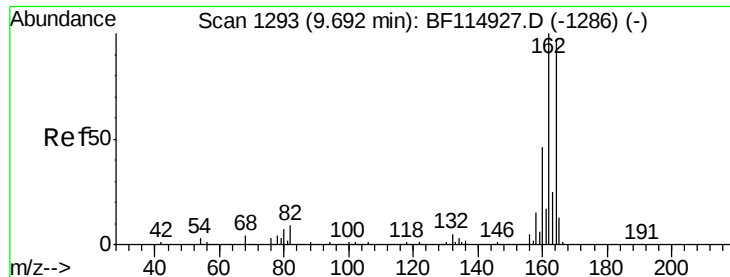
#31
Naphthalene
Concen: 2.301 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion: 128 Resp: 96999
Ion Ratio Lower Upper
128 100
129 11.7 9.8 14.8
127 12.7 11.8 17.6



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

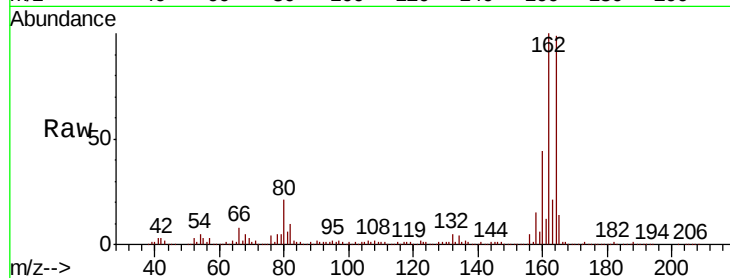




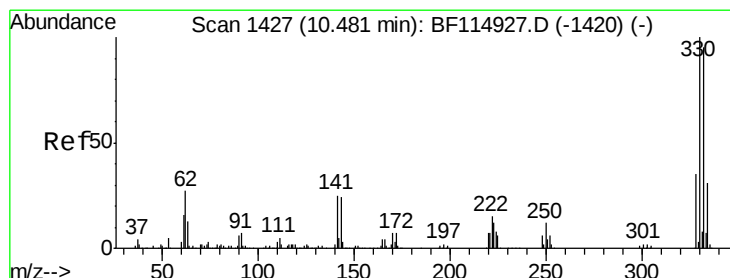
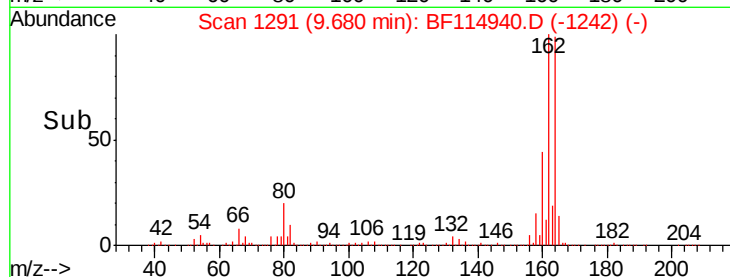
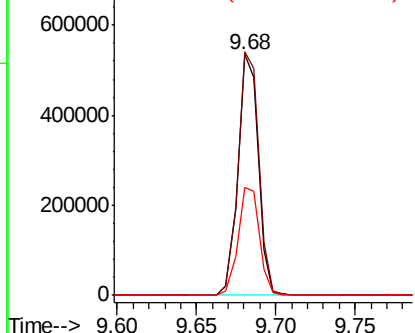
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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

Tot Ion:164 Resp: 474296
Ion Ratio Lower Upper
164 100
162 101.2 82.4 123.6
160 44.9 37.5 56.3

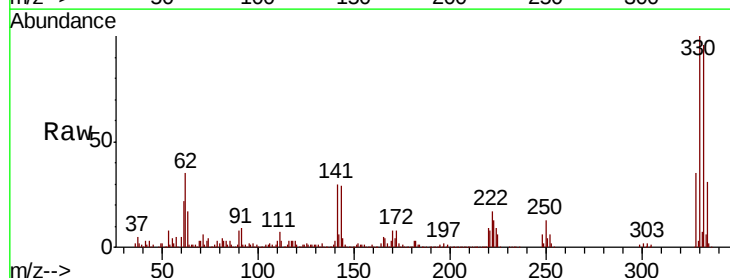


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

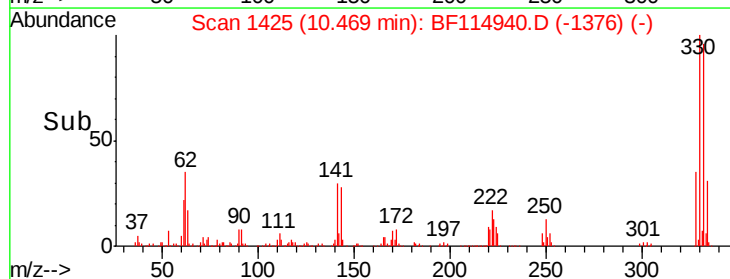
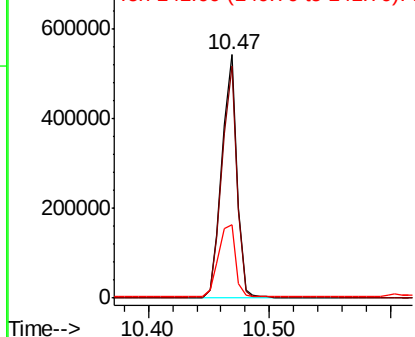


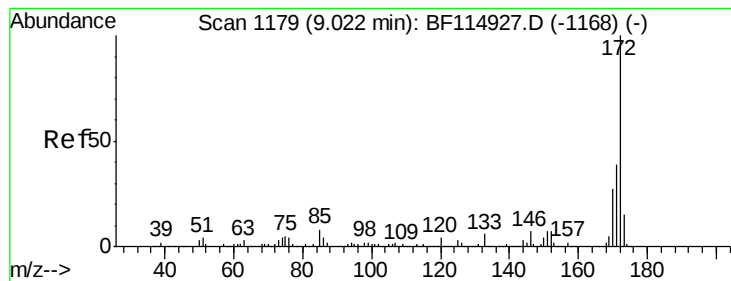
#42
2,4,6-Tribromophenol
Concen: 91.151 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion:330 Resp: 470290
Ion Ratio Lower Upper
330 100
332 95.6 76.4 114.6
141 33.5 26.8 40.2



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

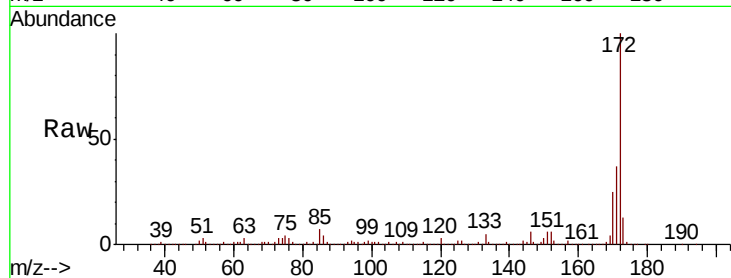




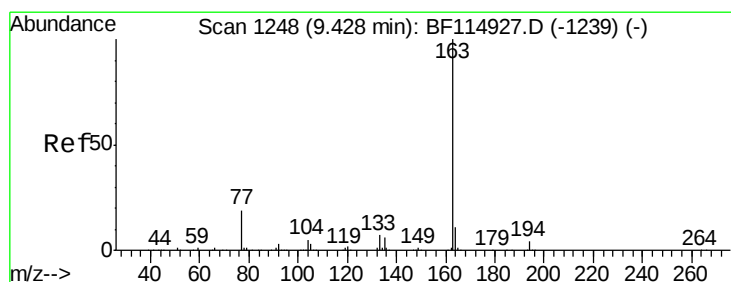
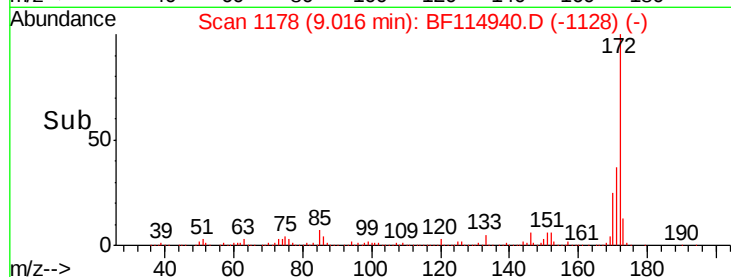
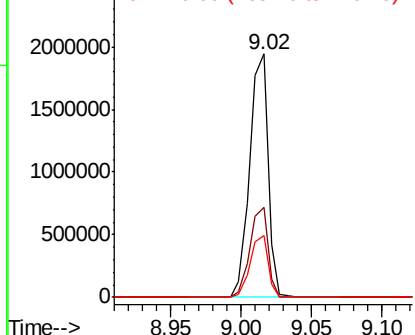
#45
2-Fluorobiphenyl
Concen: 59.958 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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

Tot Ion:172 Resp: 1791855
Ion Ratio Lower Upper
172 100
171 37.0 31.3 46.9
170 25.2 21.4 32.0

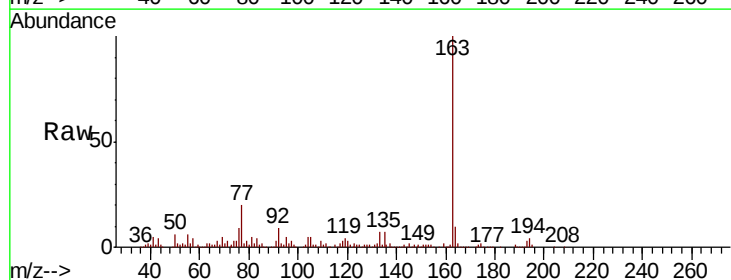


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

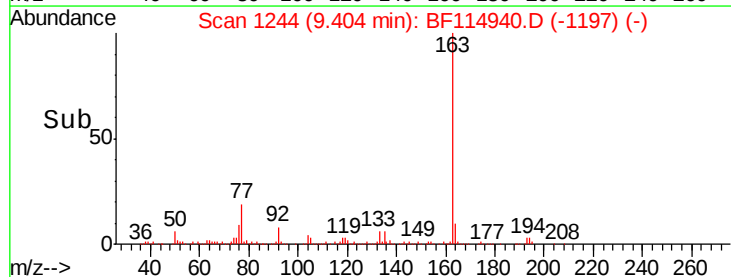
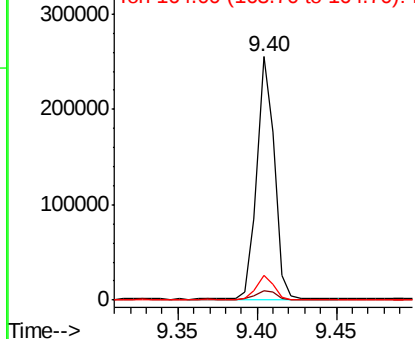


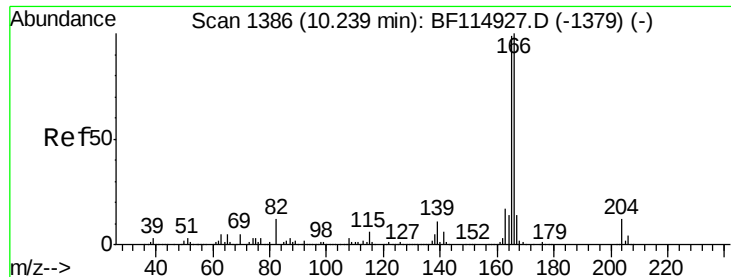
#50
Dimethylphthalate
Concen: 5.492 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion:163 Resp: 195783
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.1 8.7 13.1



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

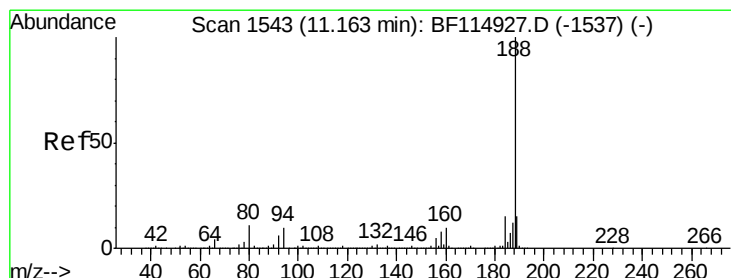
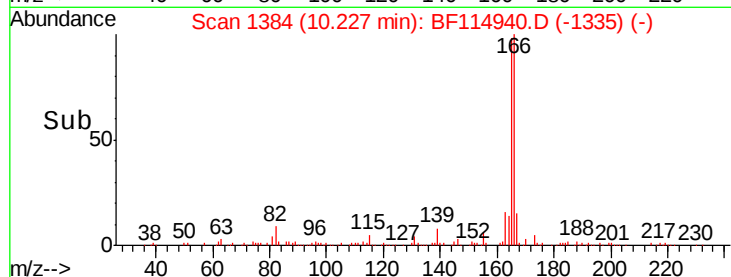
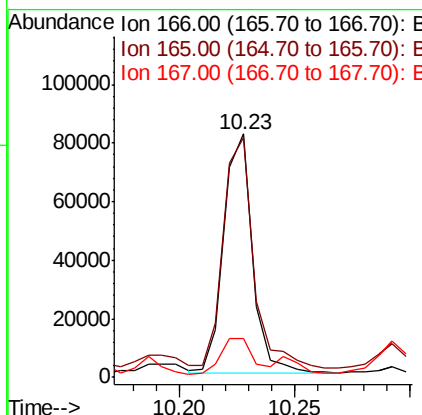
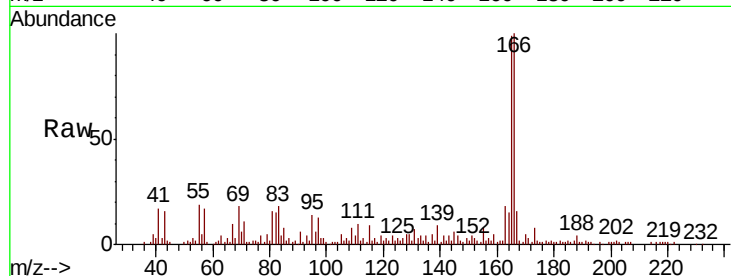




#58
 Fluorene
 Concen: 2.407 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

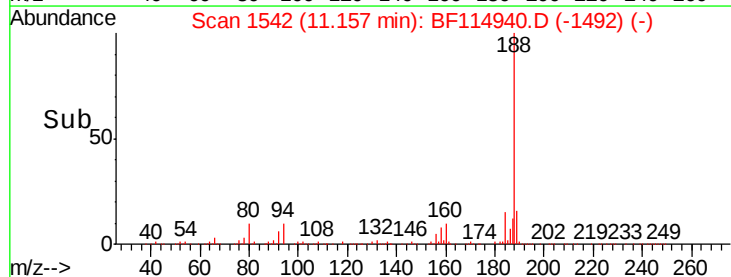
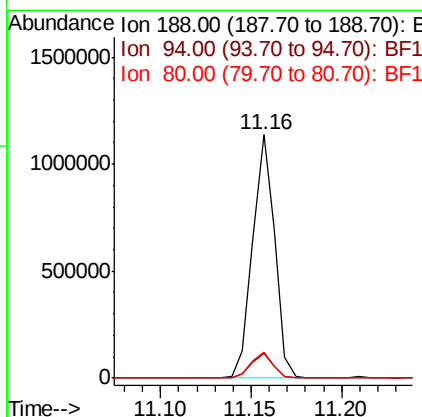
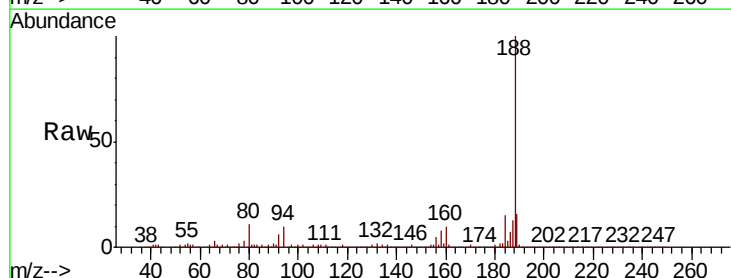
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-060619-C

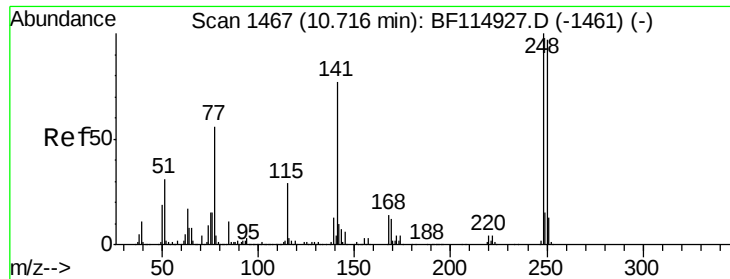
Tot Ion:166 Resp: 70832
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.2 118.8
 167 15.8 11.0 16.6



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Tgt Ion:188 Resp: 958800
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.1 12.1
 80 10.6 8.6 12.8

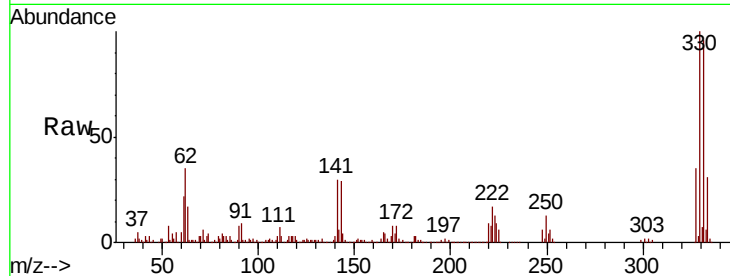




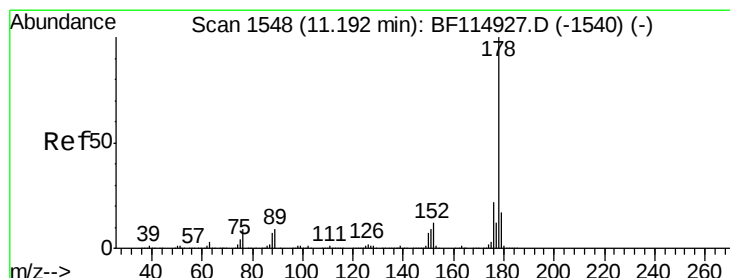
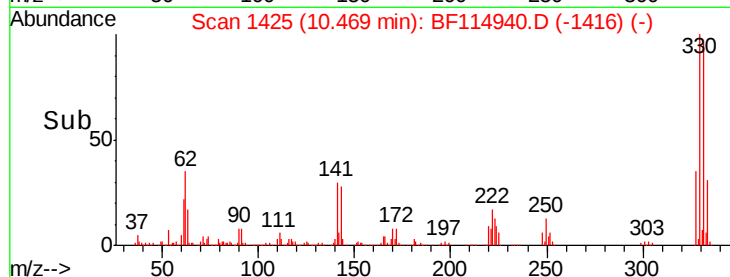
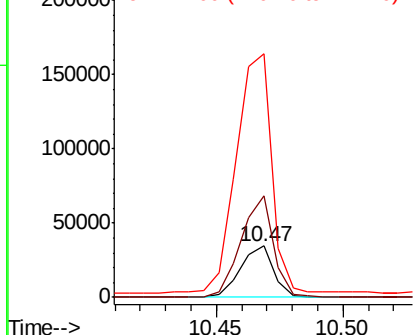
#67
4-Bromophenyl-phenylether
Concen: 3.010 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.25 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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

Tot Ion:248 Resp: 31257
Ion Ratio Lower Upper
248 100
250 198.9 77.4 116.0#
141 475.1 61.8 92.6#

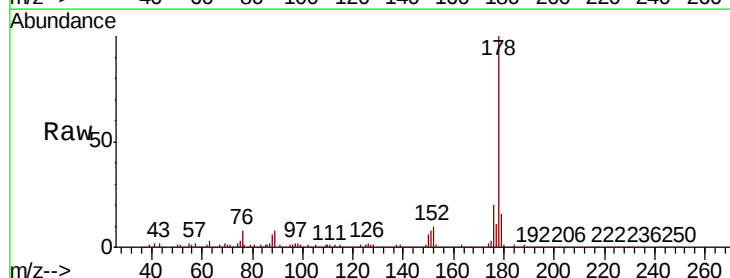


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

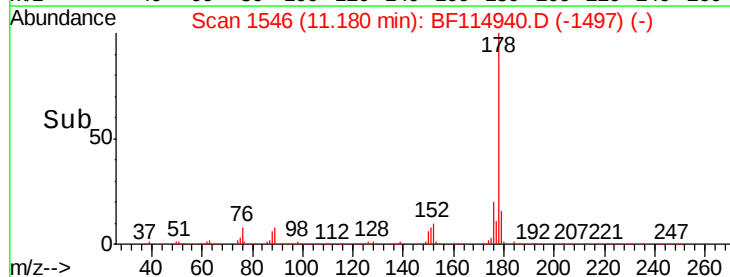
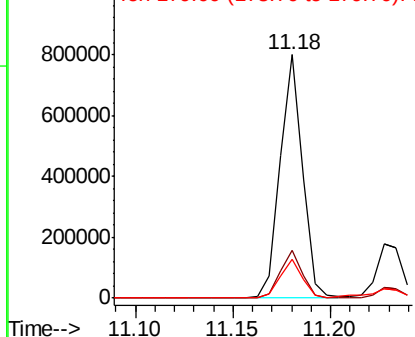


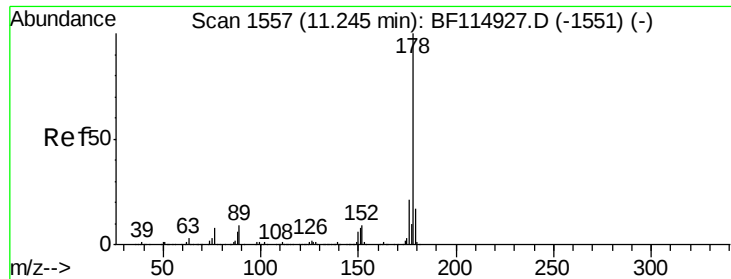
#71
Phenanthrene
Concen: 13.583 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion:178 Resp: 631879
Ion Ratio Lower Upper
178 100
176 19.7 17.4 26.2
179 16.0 13.6 20.4



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





#72

Anthracene

Concen: 3.211 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

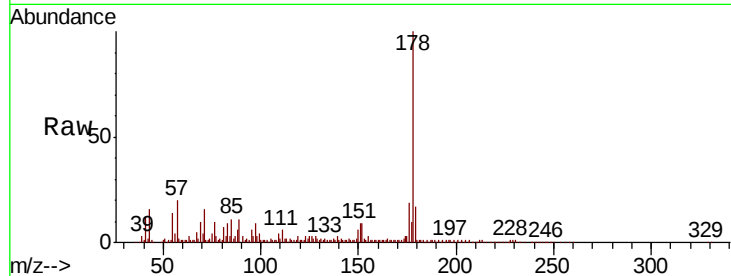
Tot Ion:178 Resp: 151625

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

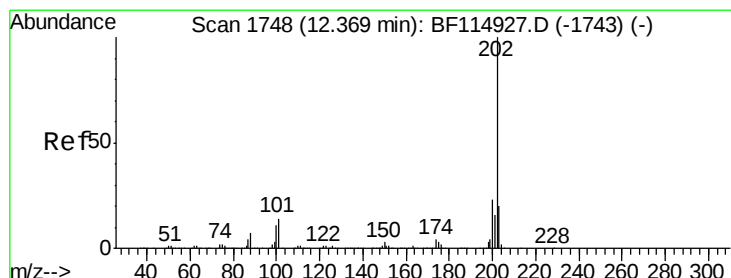
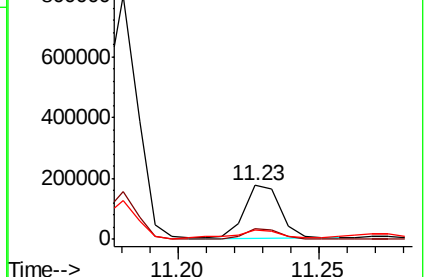
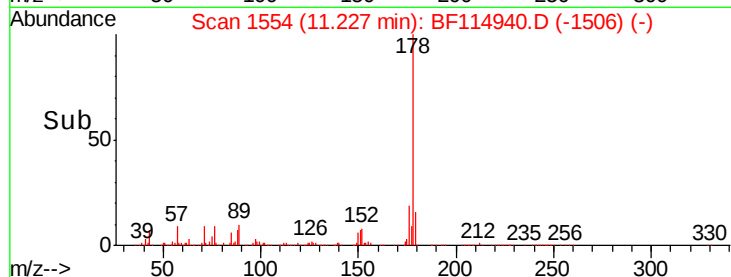
179 17.1 13.4 20.2



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: 13.140 ng

RT: 12.36 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

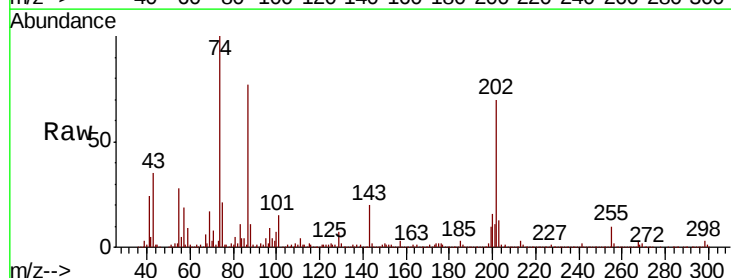
Tgt Ion:202 Resp: 632219

Ion Ratio Lower Upper

202 100

101 20.7 0.0 34.3

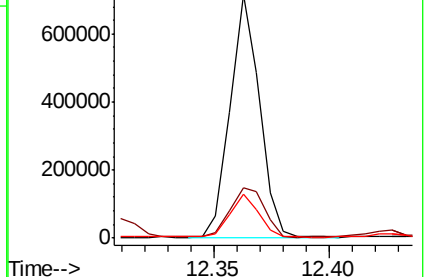
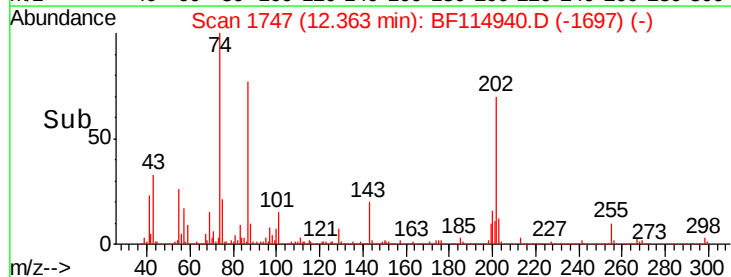
203 17.9 0.0 39.6

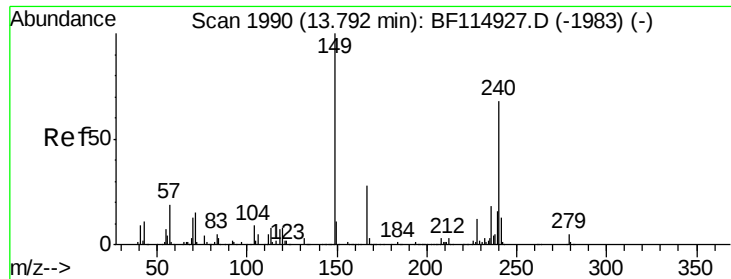


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

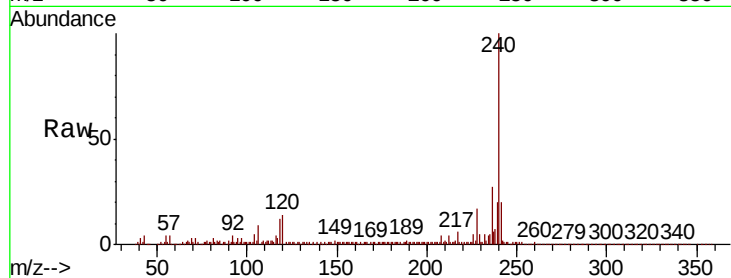




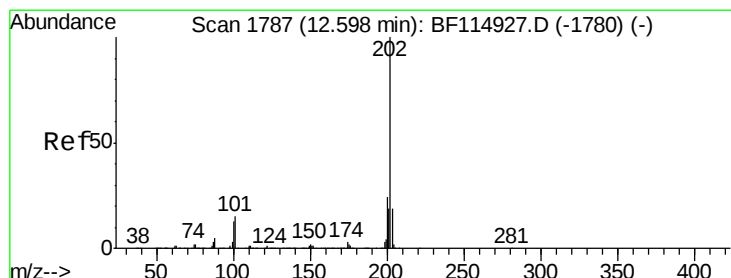
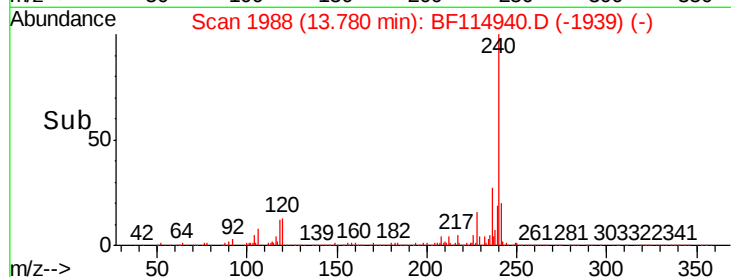
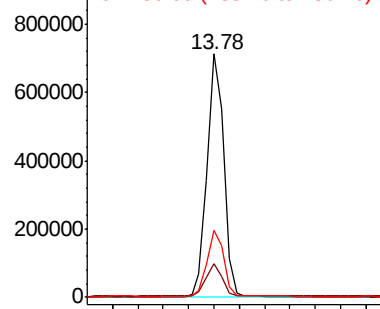
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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

Tot Ion:240 Resp: 639465
Ion Ratio Lower Upper
240 100
120 14.0 9.2 13.8#
236 27.3 21.7 32.5

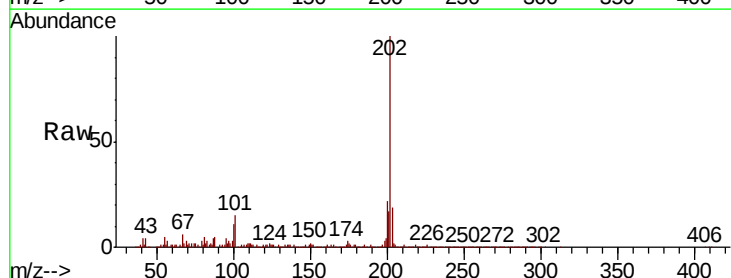


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

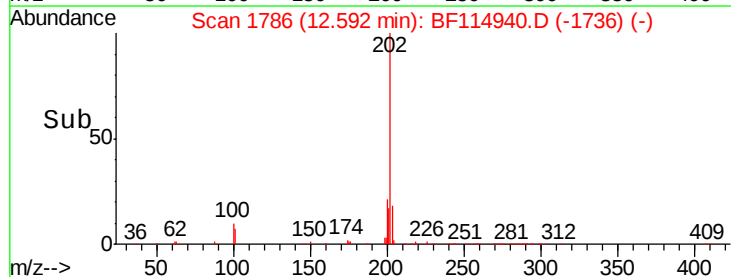
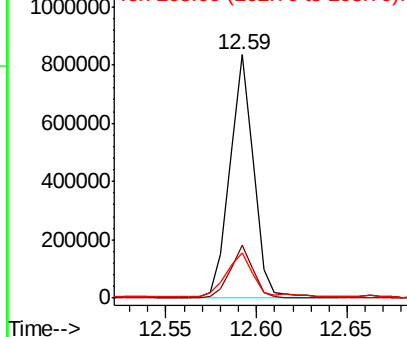


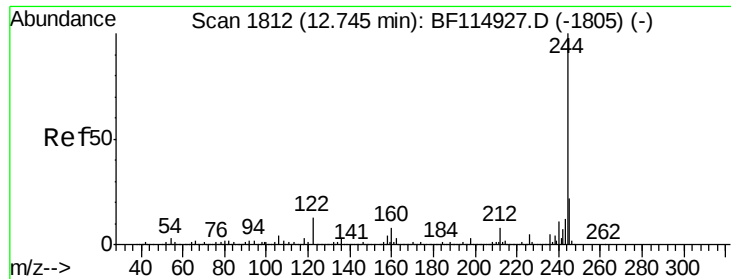
#78
Pyrene
Concen: 13.616 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion:202 Resp: 758316
Ion Ratio Lower Upper
202 100
200 21.6 18.9 28.3
203 18.6 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

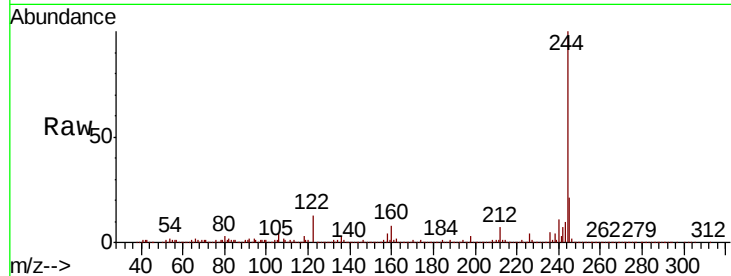




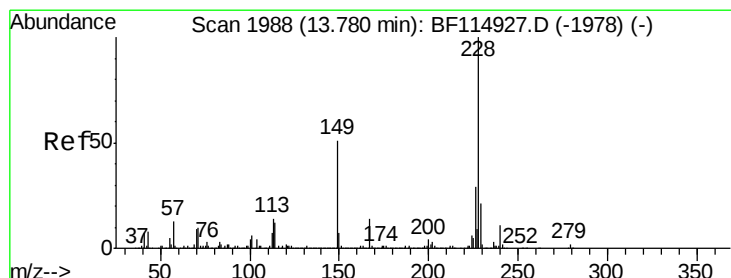
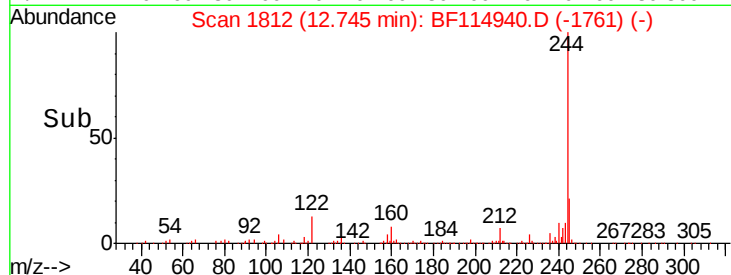
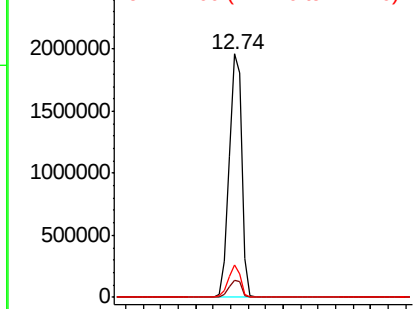
#79
 Terphenyl-d14
 Concen: 61.446 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

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

Tot Ion:244 Resp: 1975790
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 13.1 10.2 15.4

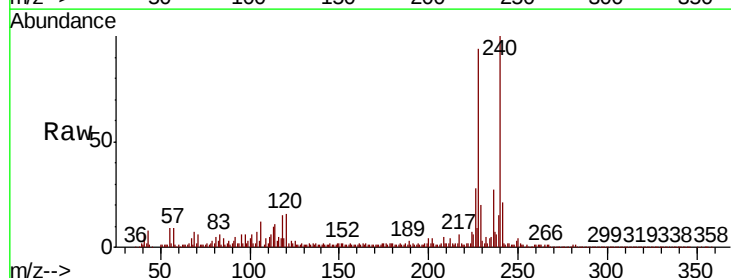


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

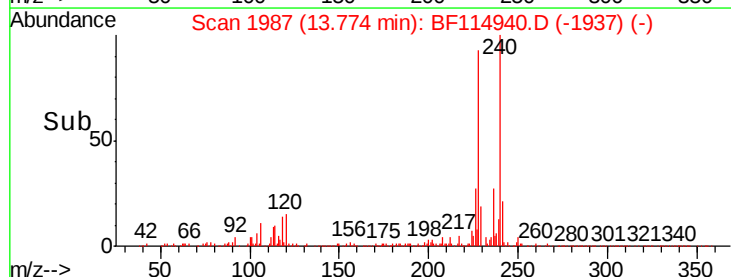
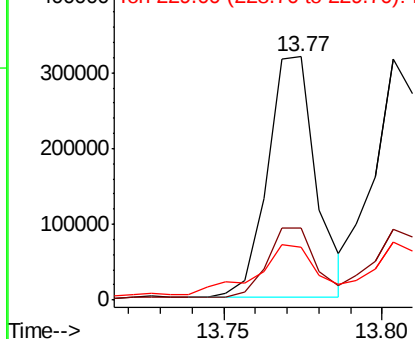


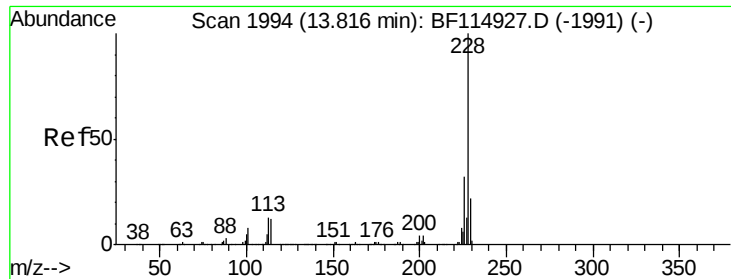
#81
 Benzo(a)anthracene
 Concen: 7.191 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Tgt Ion:228 Resp: 340009
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.8 34.2
 229 21.8 16.6 25.0



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

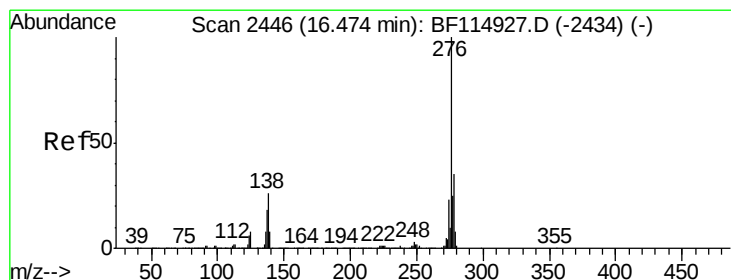
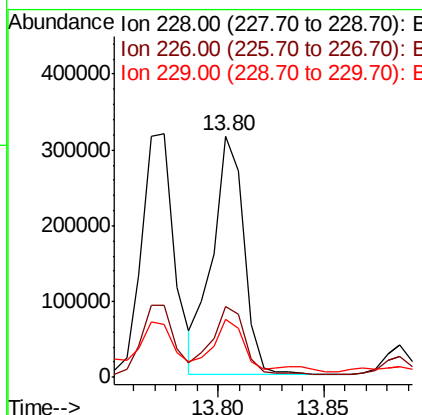
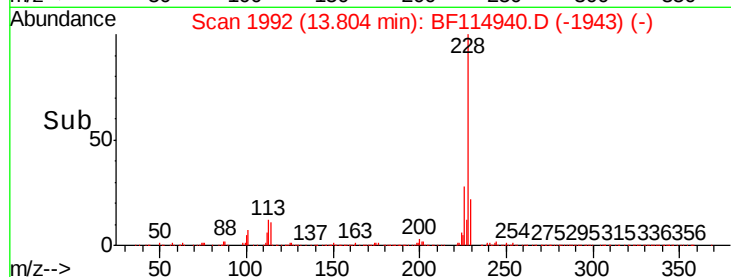
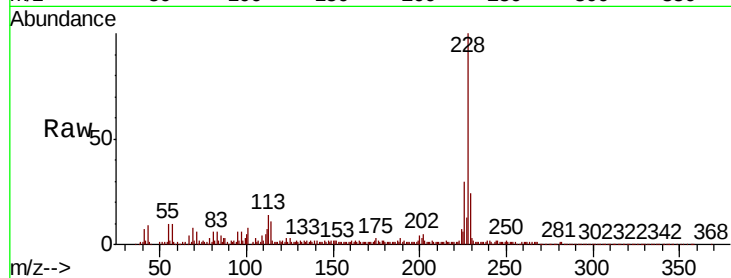




#83
Chrysene
Concen: 6.892 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

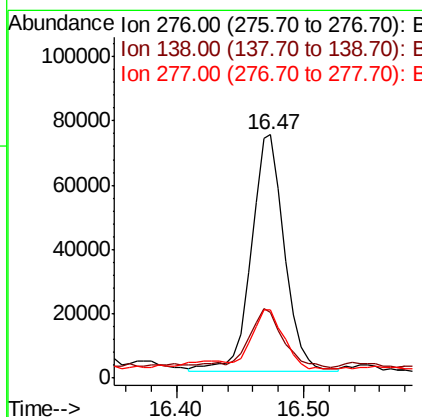
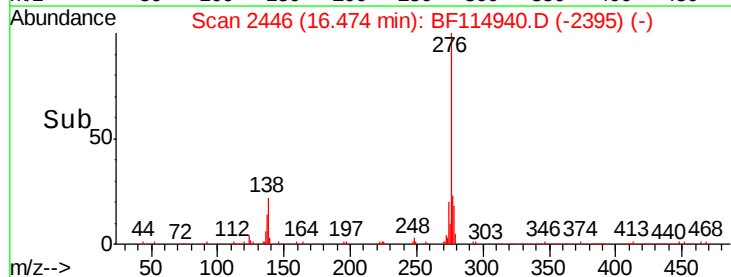
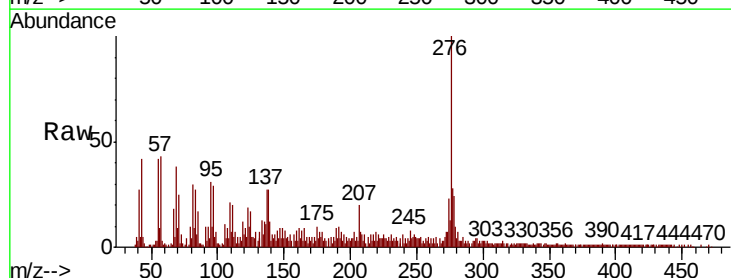
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

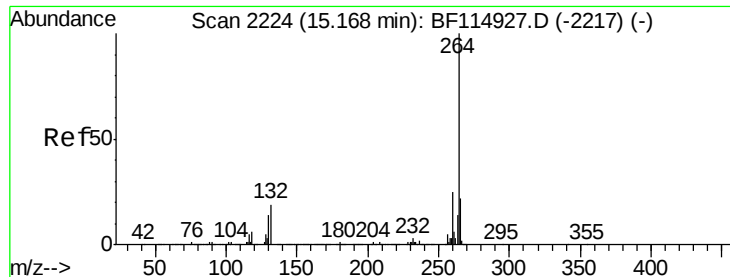
Tot Ion:228 Resp: 327228
Ion Ratio Lower Upper
228 100
226 29.5 25.8 38.8
229 24.2 17.2 25.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.979 ng
RT: 16.47 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion:276 Resp: 132961
Ion Ratio Lower Upper
276 100
138 25.6 23.3 34.9
277 24.0 20.5 30.7

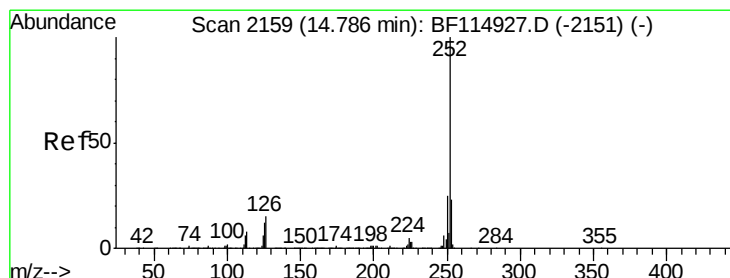
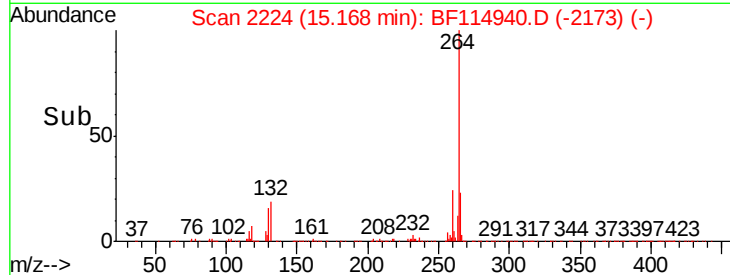
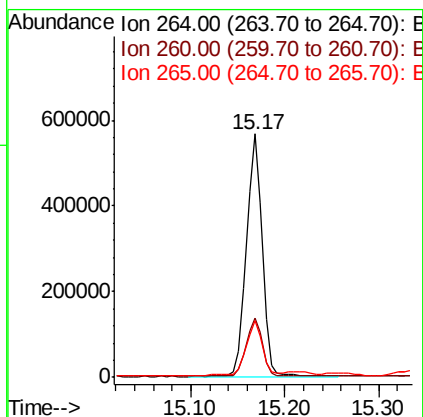
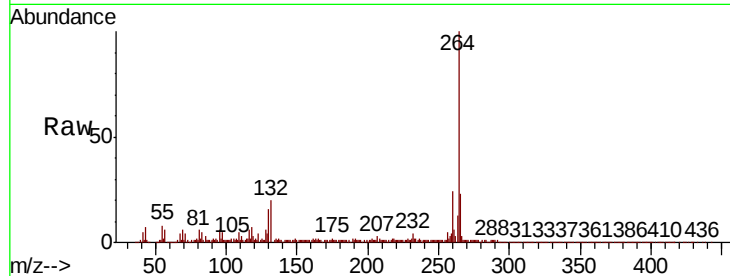




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

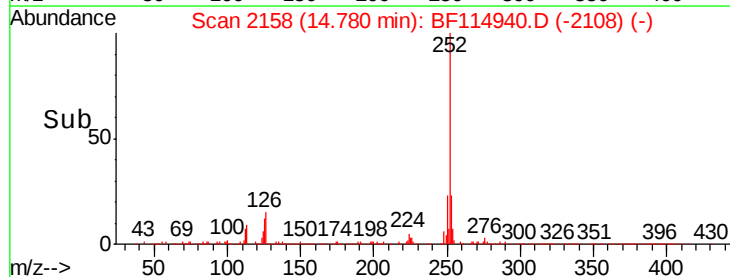
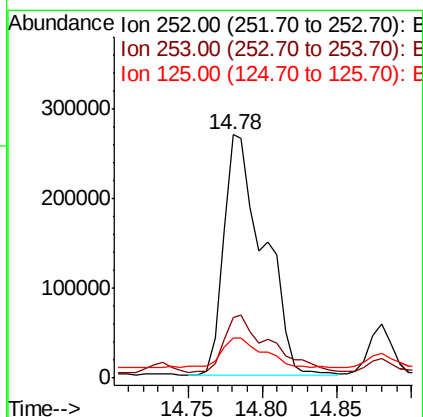
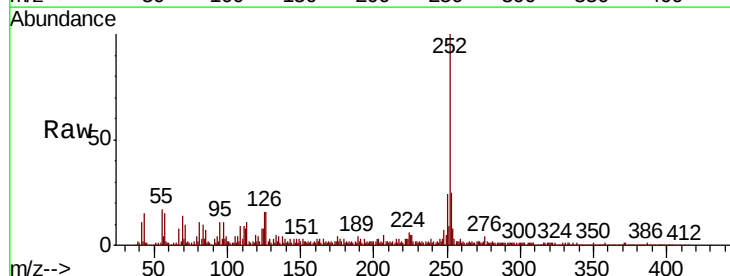
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

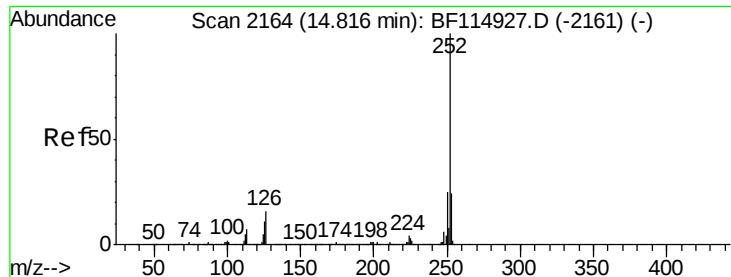
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	23.2	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 11.685 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.6	28.0
125	16.5	9.5	14.3

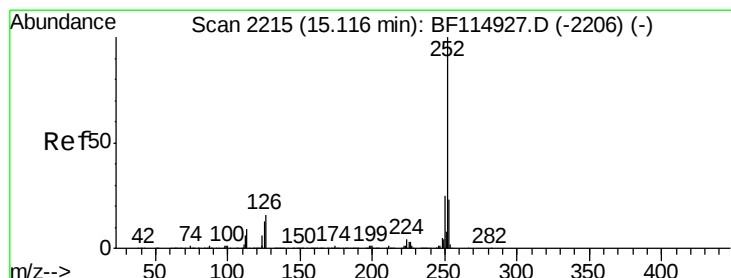
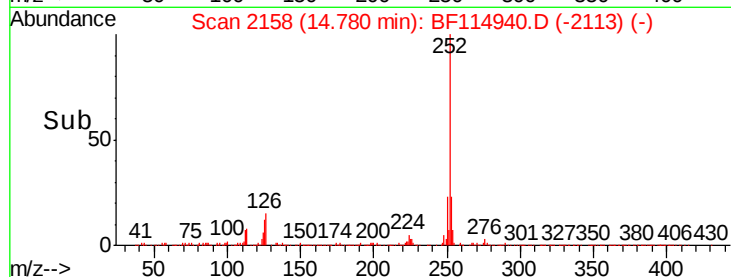
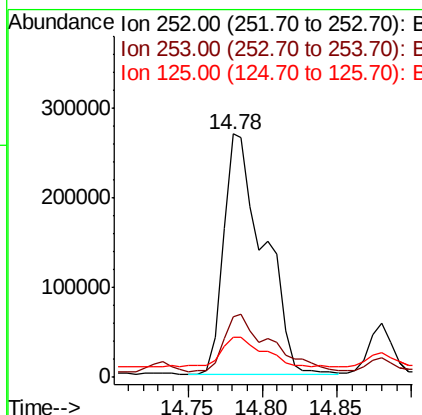
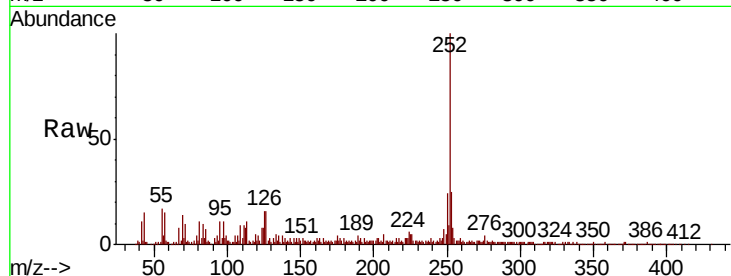




#89
Benzo(k)fluoranthene
Concen: 13.464 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

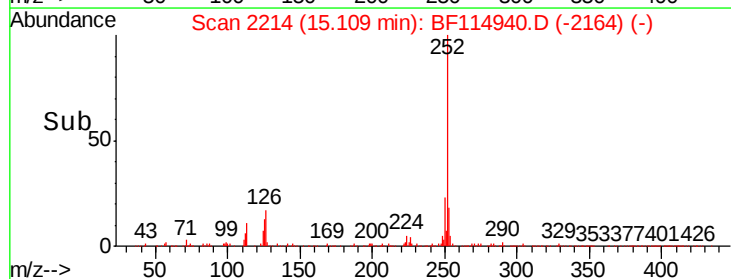
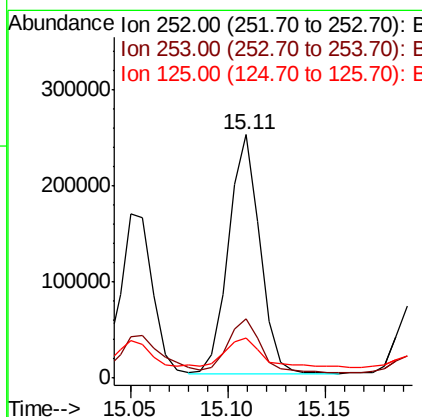
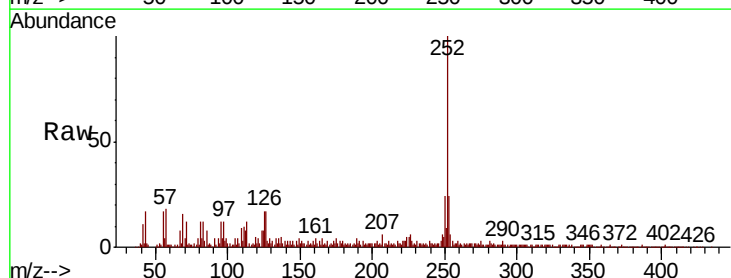
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-C

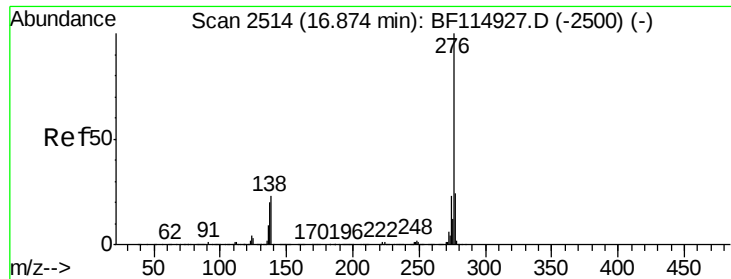
Tot Ion:252 Resp: 502477
Ion Ratio Lower Upper
252 100
253 25.1 18.6 28.0
125 16.5 9.2 13.8#



#90
Benzo(a)pyrene
Concen: 7.498 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Tgt Ion:252 Resp: 280071
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 16.6 10.1 15.1#





#92

Benzo(a,h,i)perylene

Concen: 4.100 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BF114940.D

Acq: 11 Jun 2019 12:33

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-C

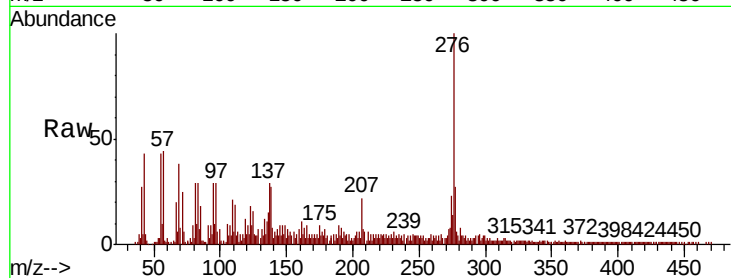
Tot Ion: 276 Resp: 128934

Ion Ratio Lower Upper

276 100

277 26.9 19.0 28.6

138 27.1 18.7 28.1



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

