

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 :

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

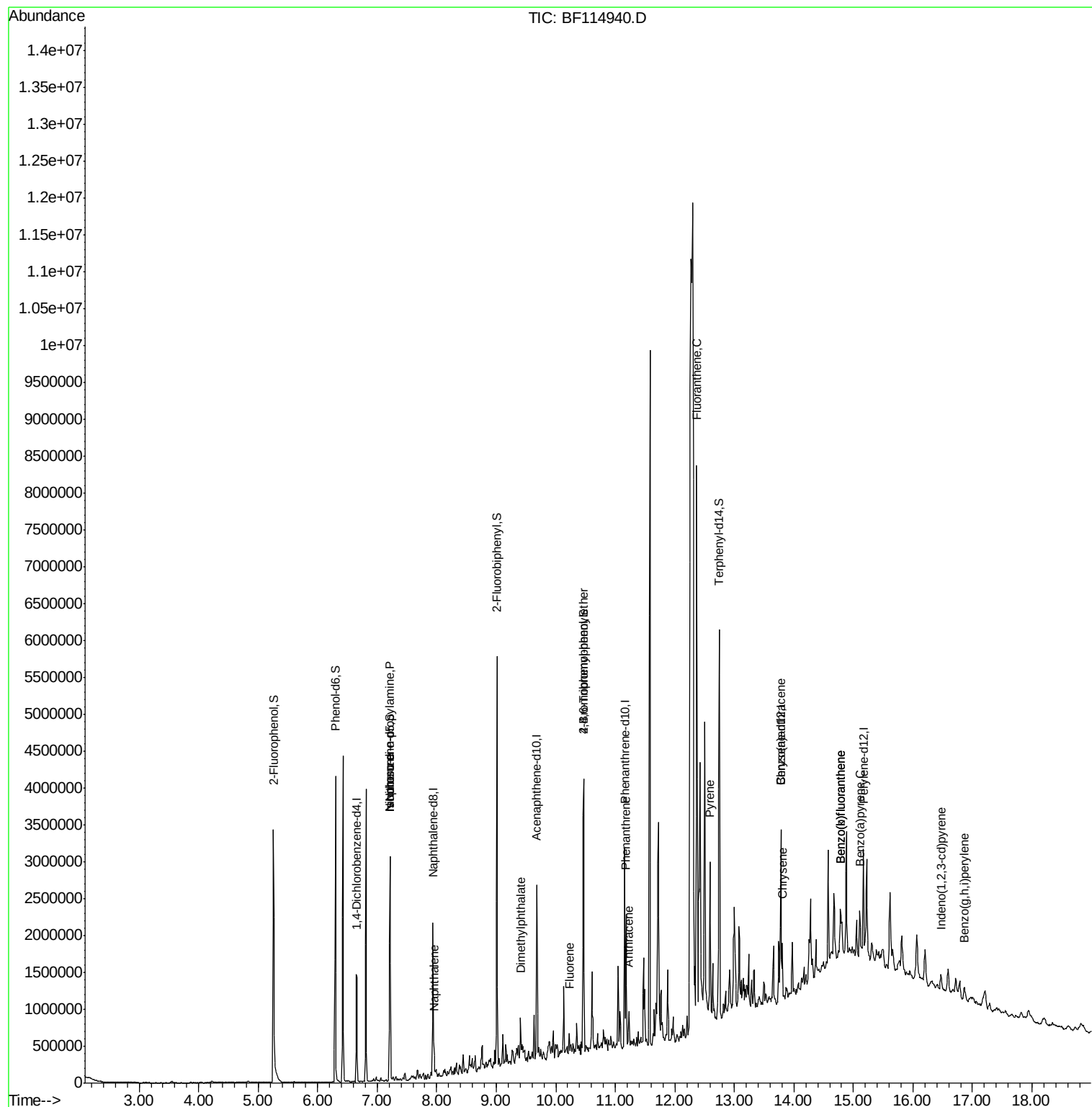
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	118695	11.614	ng	# 78
25) Isophorone	7.22	82	905793	31.070	ng	# 62
31) Naphthalene	7.96	128	96999	2.301	ng	97
50) Dimethylphthalate	9.40	163	195783	5.492	ng	98
58) Fluorene	10.23	166	70832	2.407	ng	99
67) 4-Bromophenyl-phenylether	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

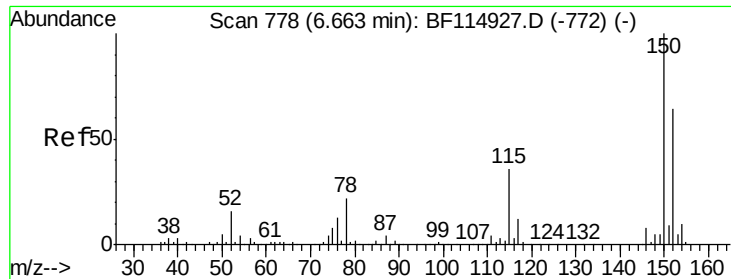
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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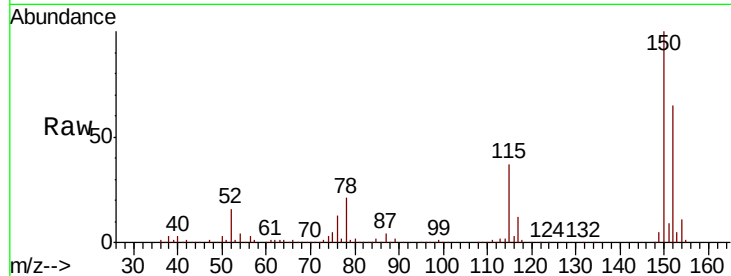


#1

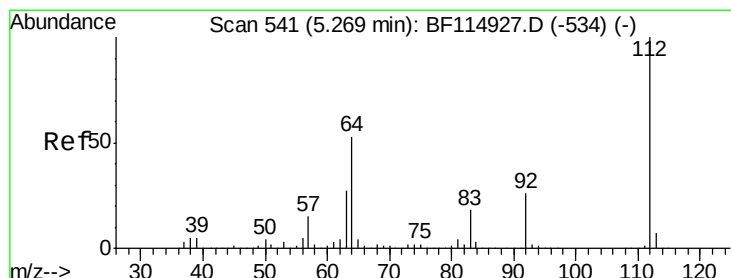
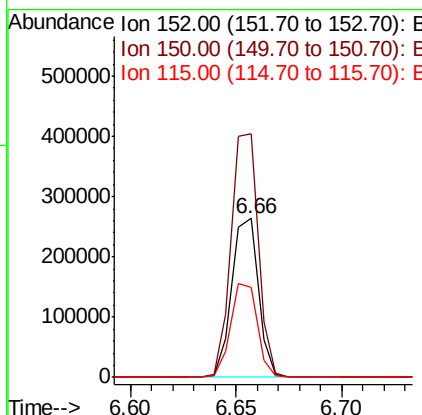
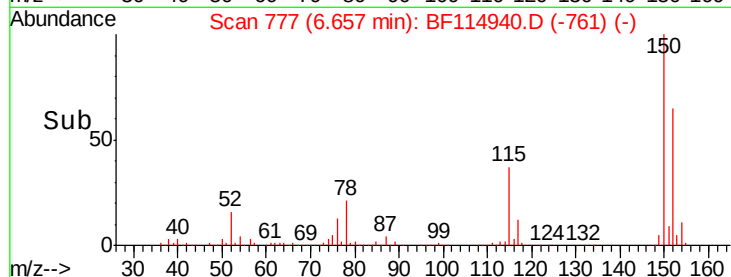
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampled :

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



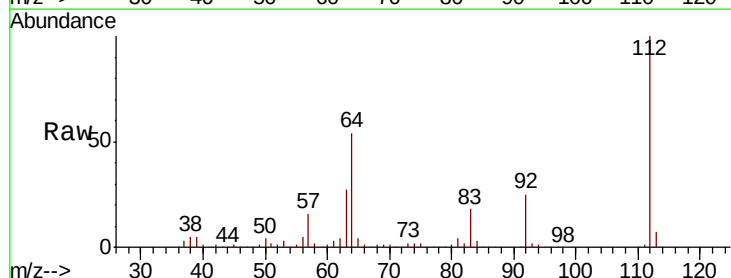
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



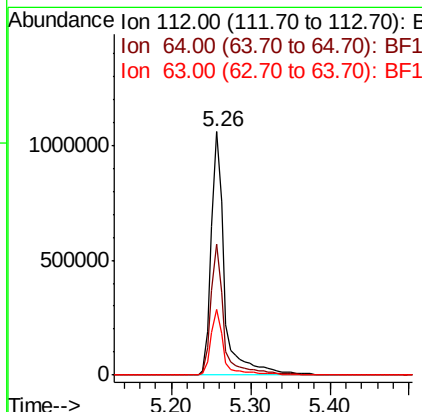
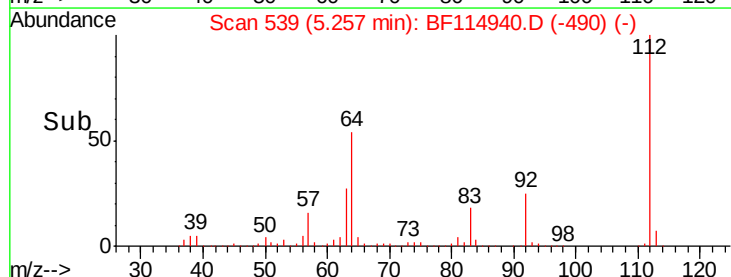
#5

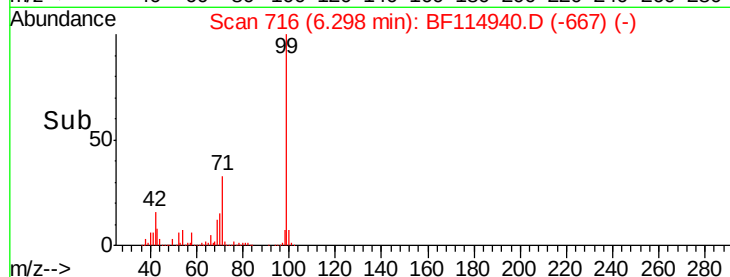
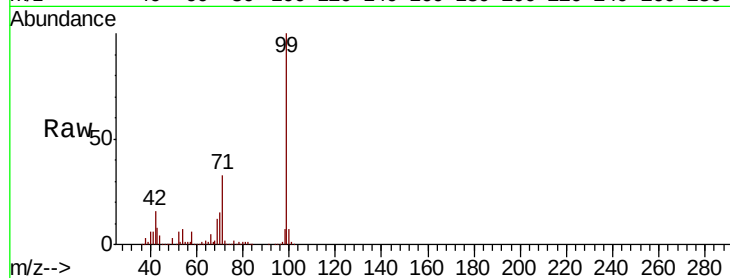
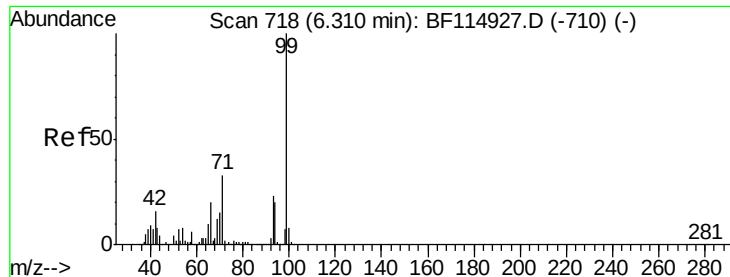
2-Fluorophenol
Concen: 91.752 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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 :

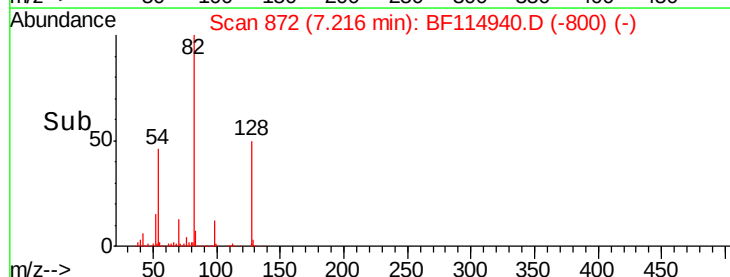
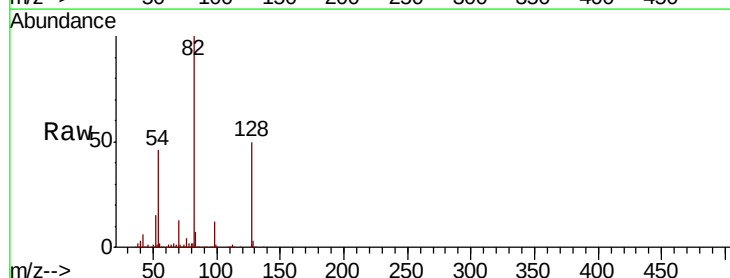
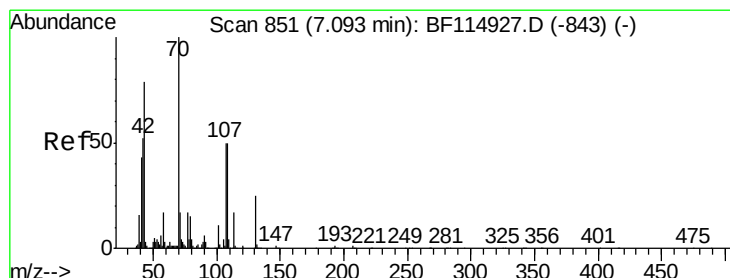
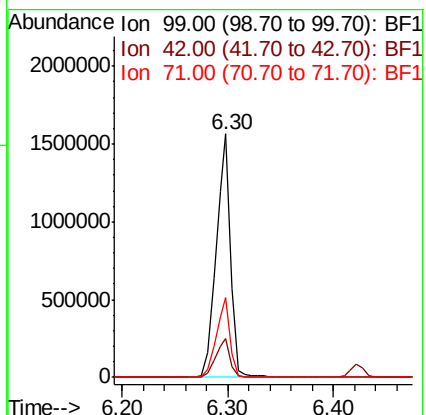
Tot Ion: 99 Resp: 1503697

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

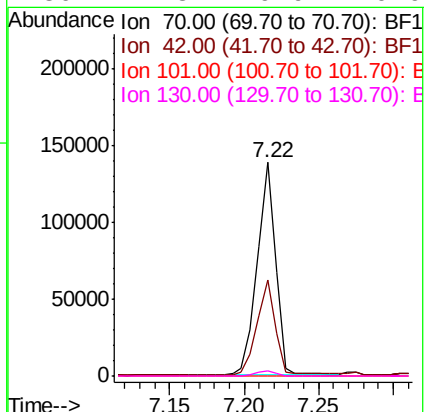
Ion Ratio Lower Upper

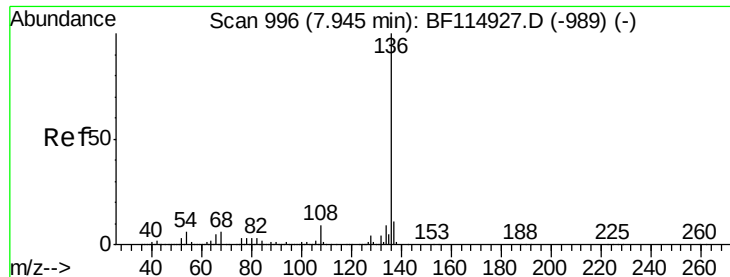
70 100

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

ClientSampled :

Tot Ion:136 Resp: 914733

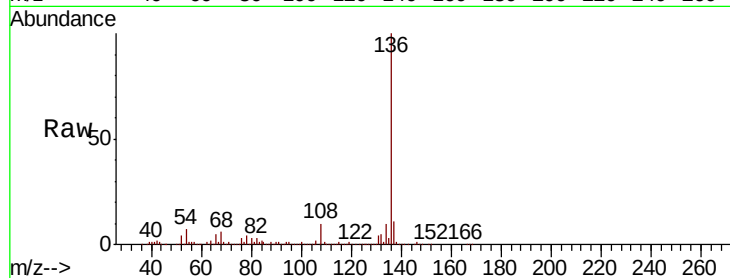
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 7.4 5.2 7.8

68 6.5 4.6 7.0

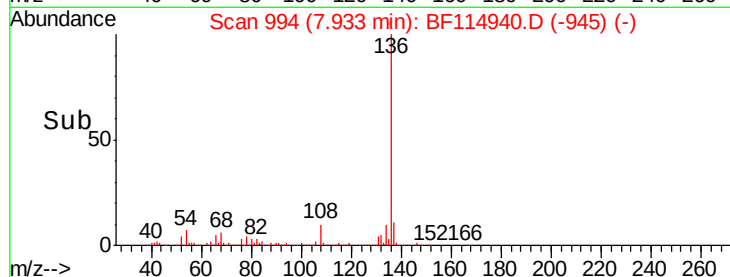


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

Ion 136.00 (135.70 to 136.70): E

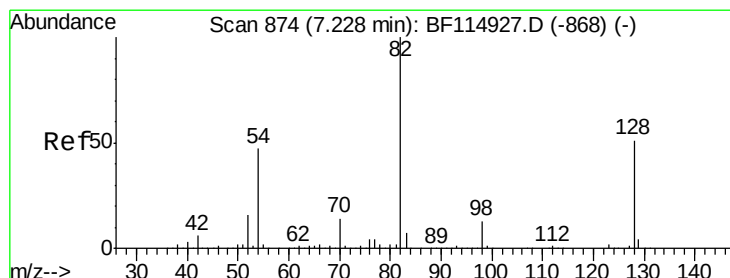
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->

7.80 7.90 8.00 8.10



#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

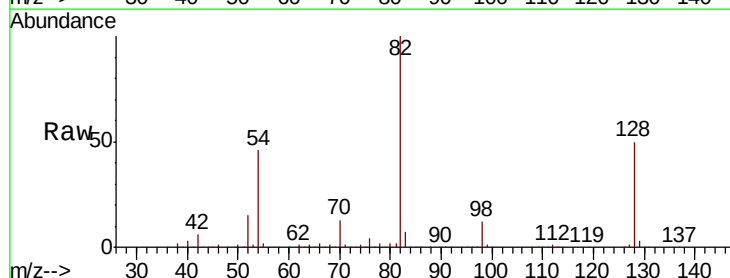
Tgt Ion: 82 Resp: 915681

Ion Ratio Lower Upper

82 100

128 49.5 40.9 61.3

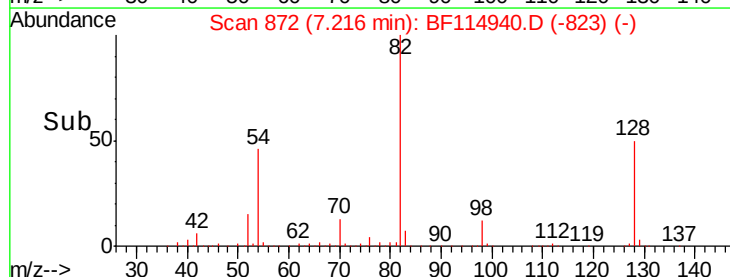
54 45.9 37.4 56.0



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



Abundance

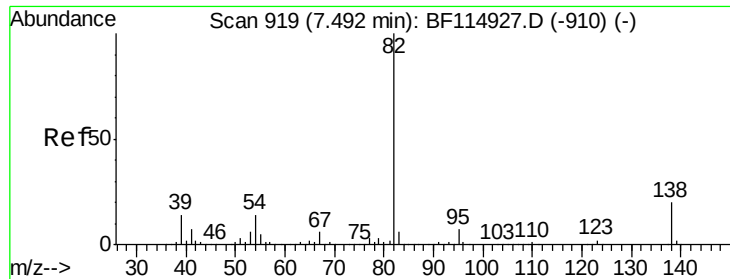
Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->

7.15 7.20 7.25 7.30



#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 :

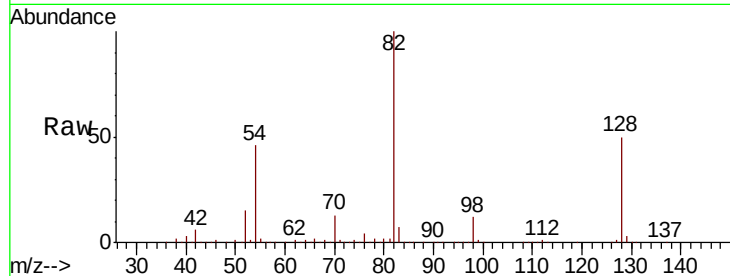
Tot Ion: 82 Resp: 905793

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

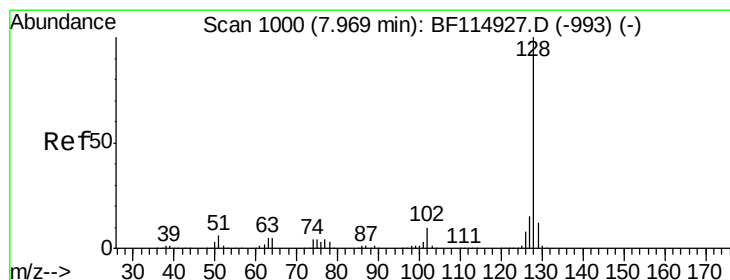
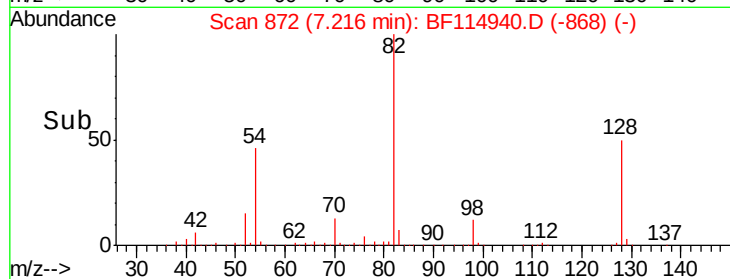
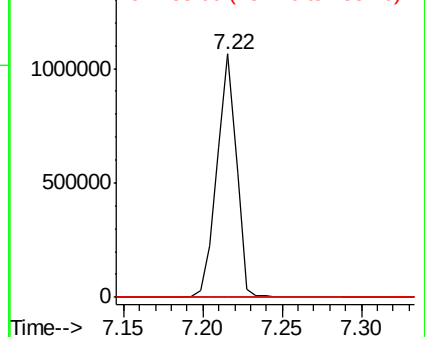
138 0.0 16.4 24.6#



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

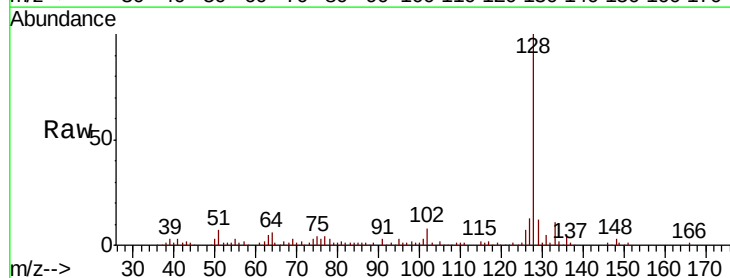
Tgt Ion: 128 Resp: 96999

Ion Ratio Lower Upper

128 100

129 11.7 9.8 14.8

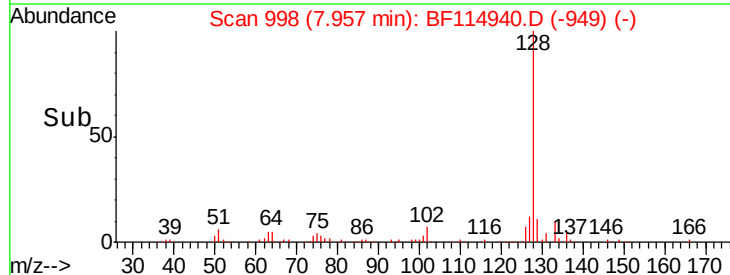
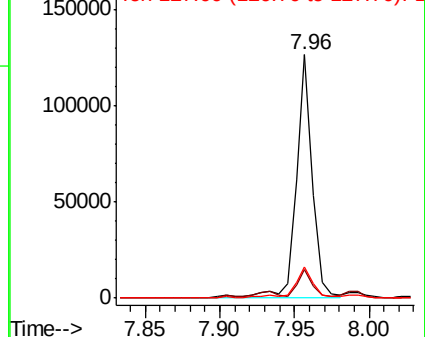
127 12.7 11.8 17.6

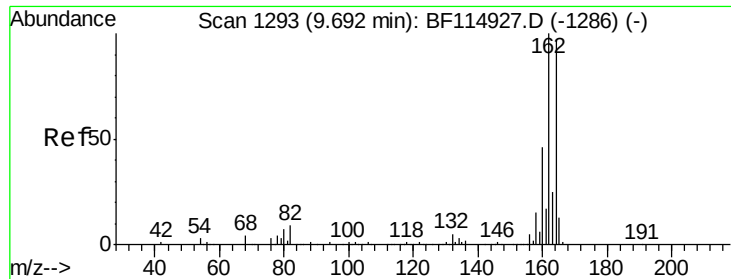


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

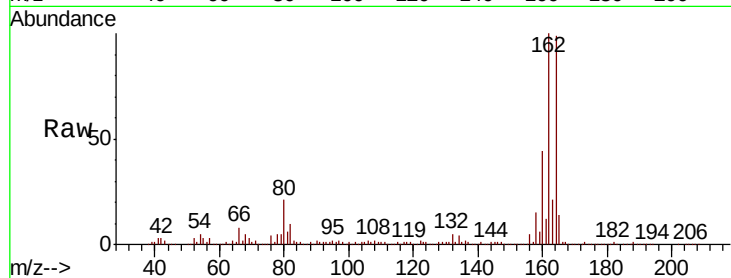




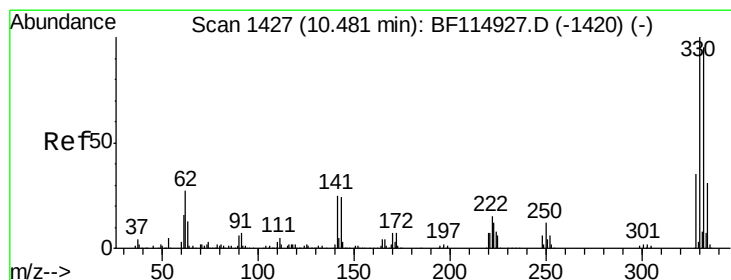
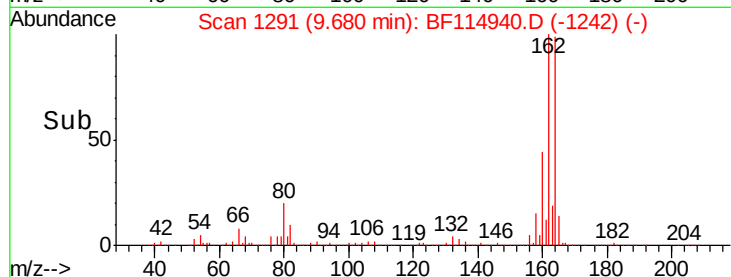
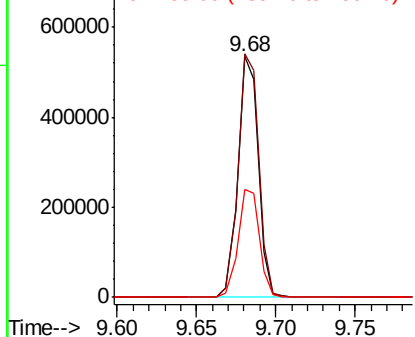
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Instrument :
 BNA_F
 ClientSampleId :

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

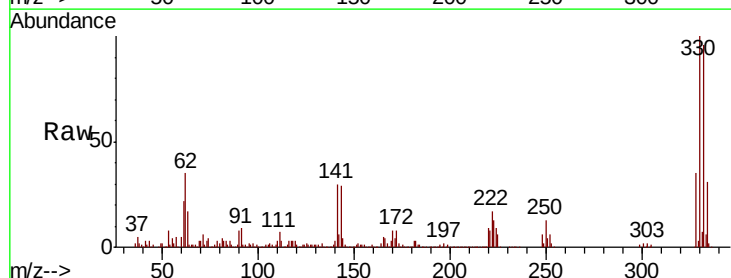


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

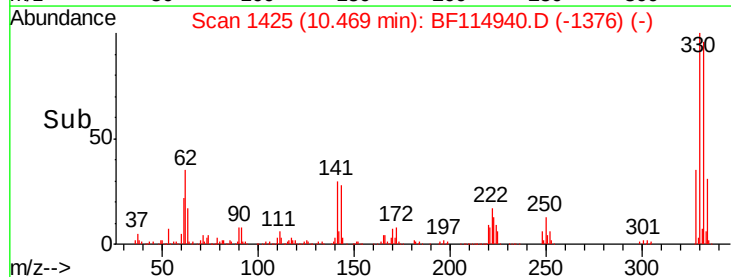
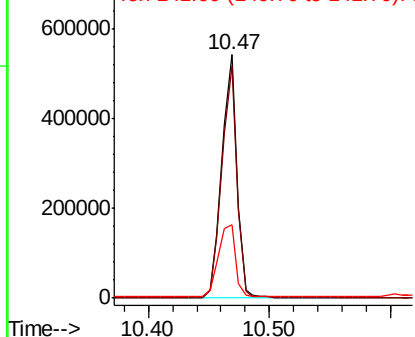


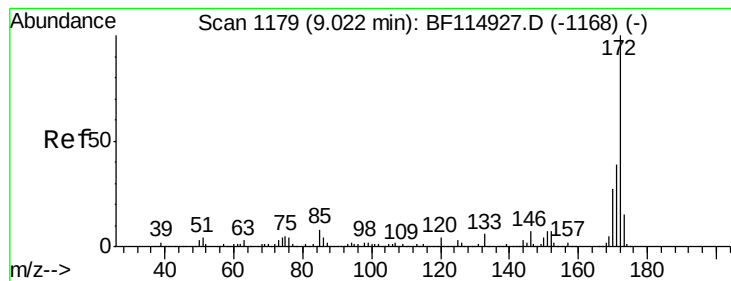
#42
 2,4,6-Tribromophenol
 Concen: 91.151 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Tgt Ion	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

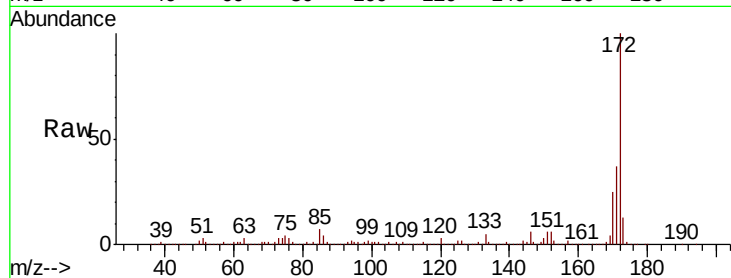




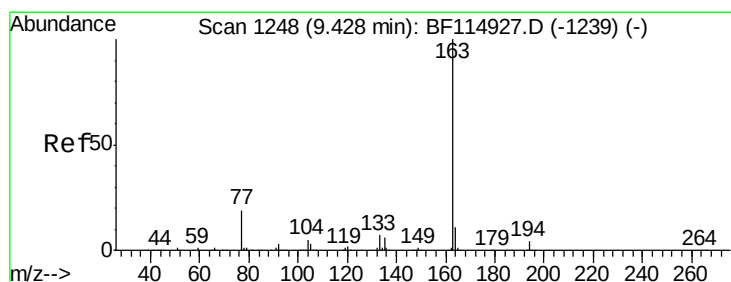
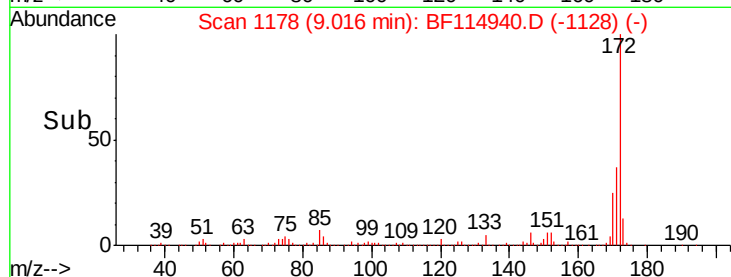
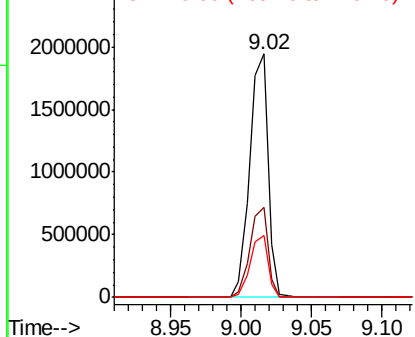
#45
2-Fluorobiphenyl
Concen: 59.958 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampled :

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

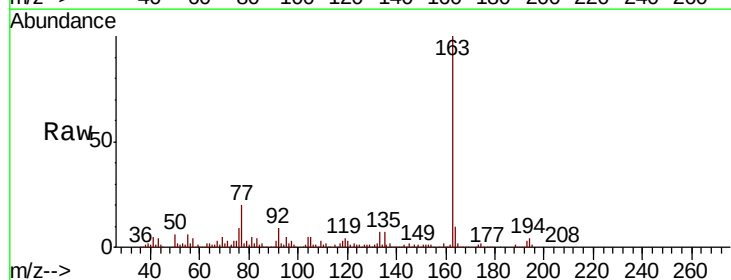


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

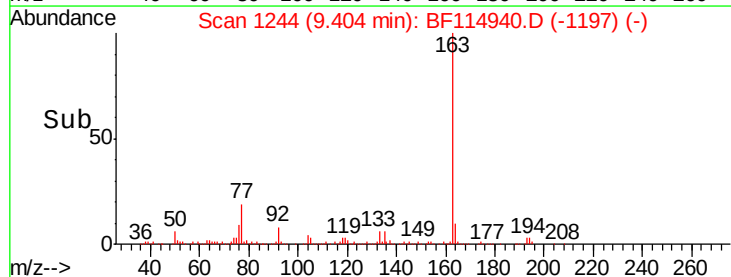
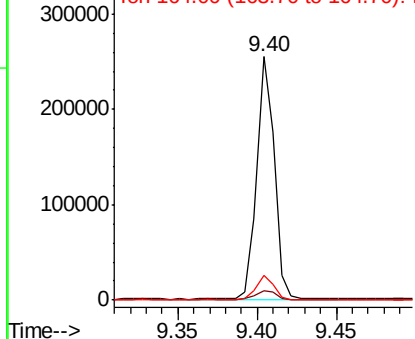


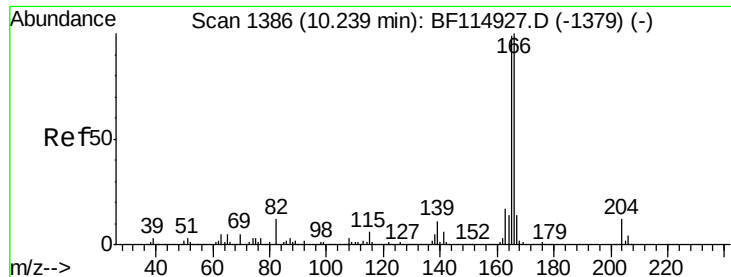
#50
Dimethylphthalate
Concen: 5.492 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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

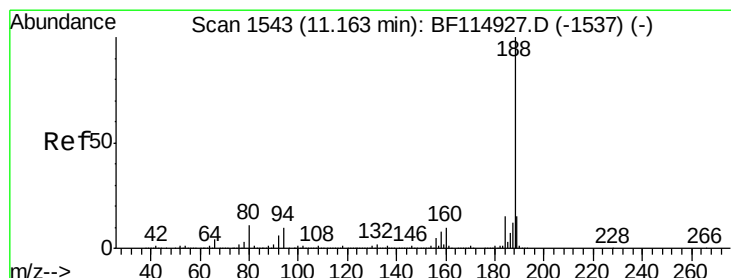
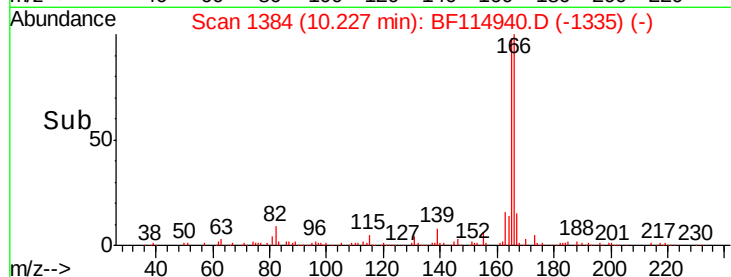
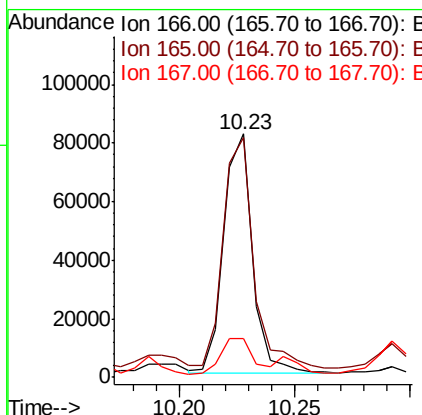
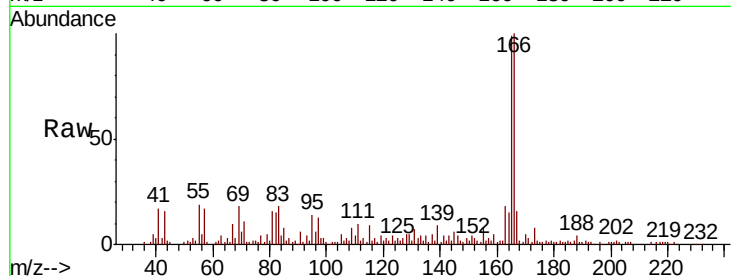




#58
 Fluorene
 Concen: 2.407 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

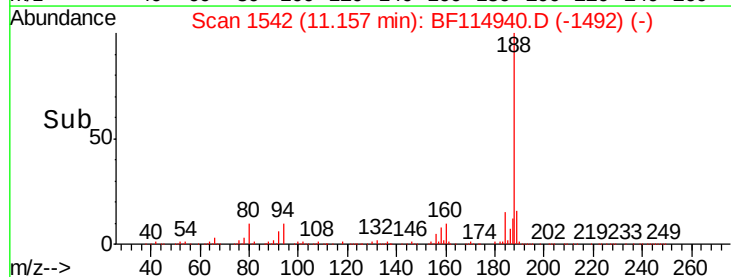
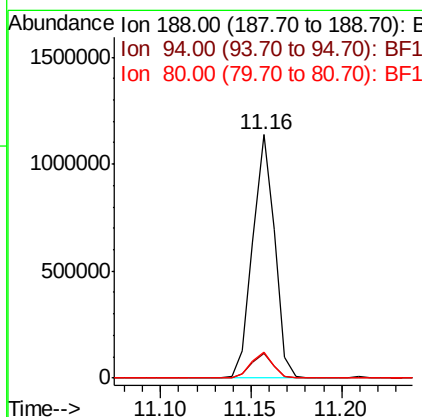
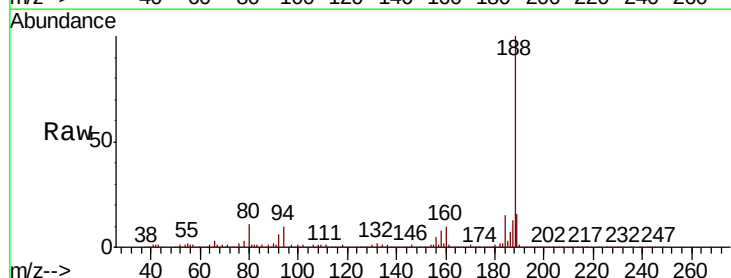
Instrument :
 BNA_F
 ClientSampleId :

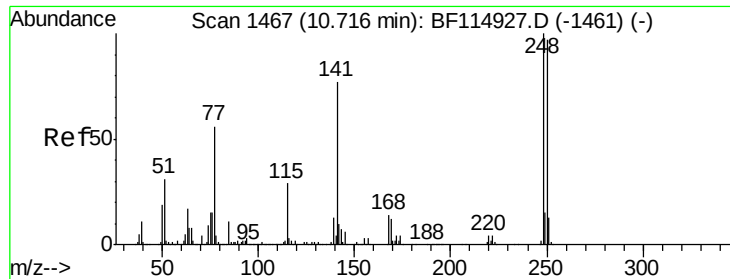
Tot Ion:166 Resp: 70832
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.2 118.8
 167 15.8 11.0 16.6



#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

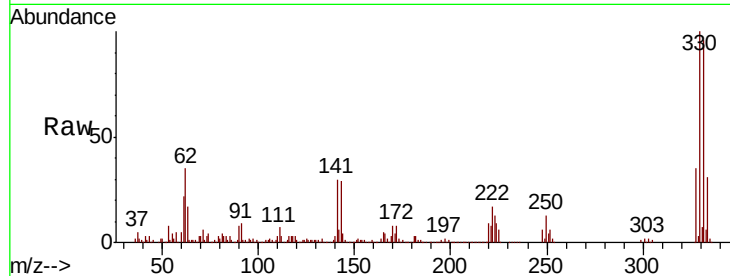




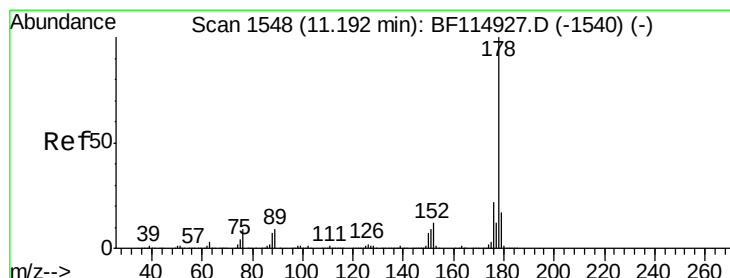
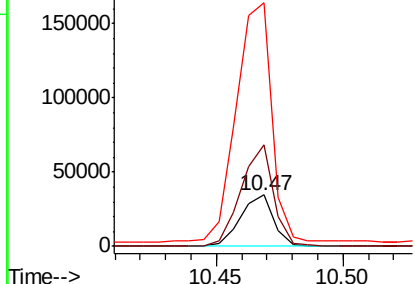
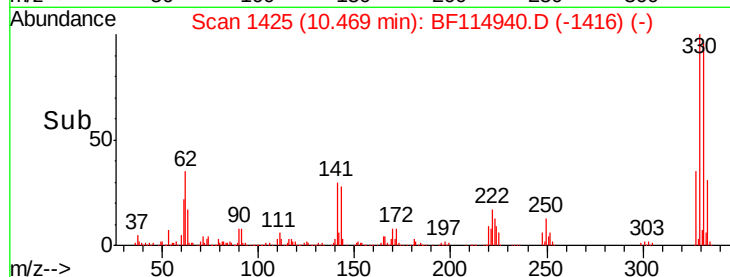
#67
 4-Bromophenyl-phenylether
 Concen: 3.010 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.25 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Instrument :
 BNA_F
 ClientSampleId :

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#

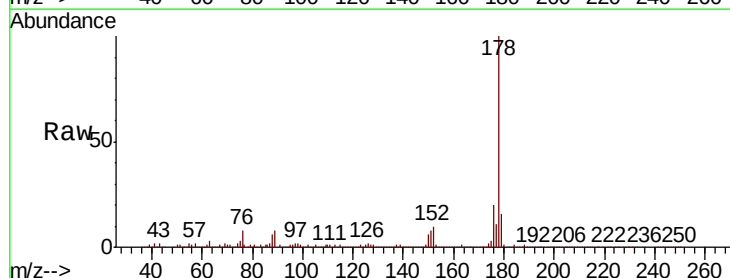


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

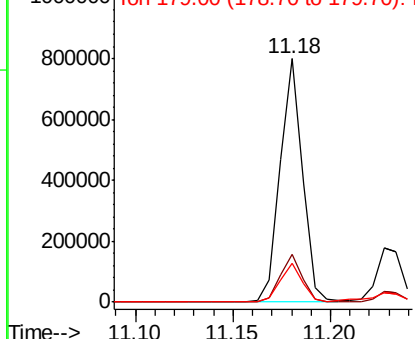
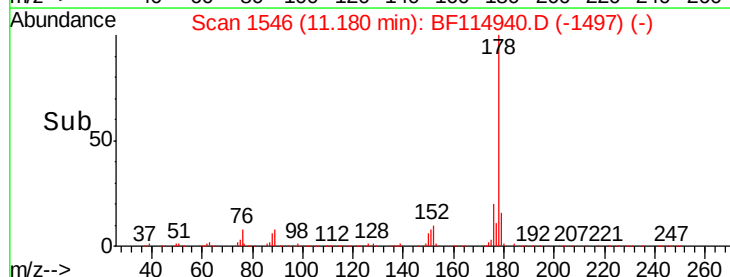


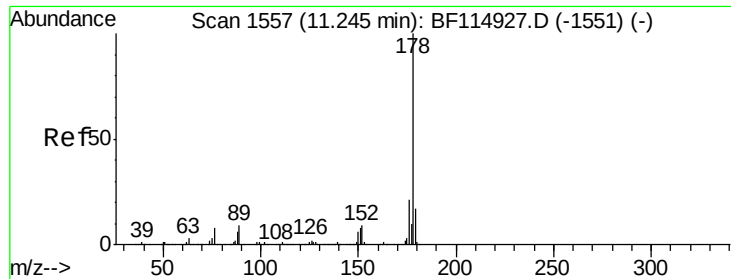
#71
 Phenanthrene
 Concen: 13.583 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

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 :

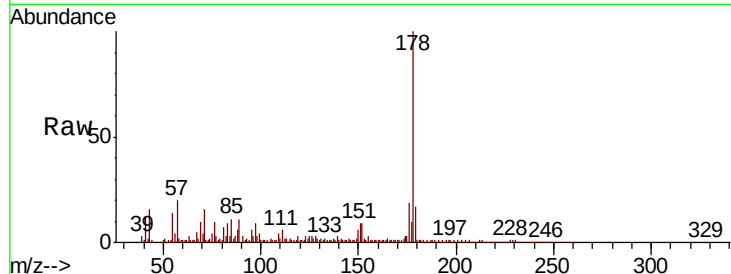
Tot Ion:178 Resp: 151625

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

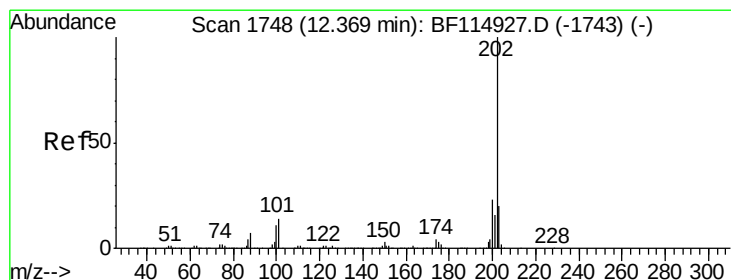
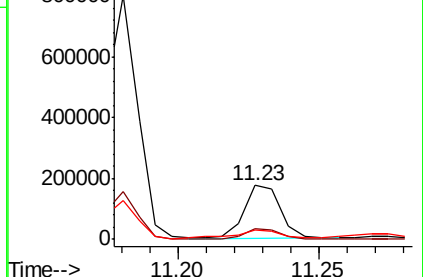
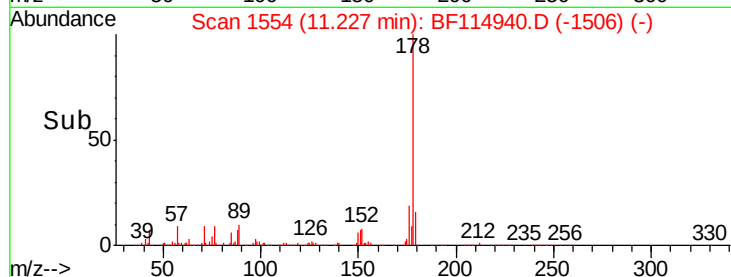
179 17.1 13.4 20.2



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

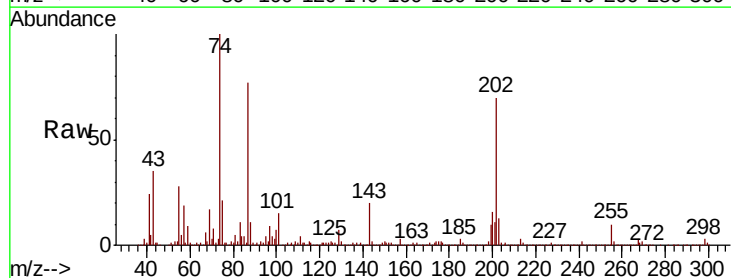
Tgt Ion:202 Resp: 632219

Ion Ratio Lower Upper

202 100

101 20.7 0.0 34.3

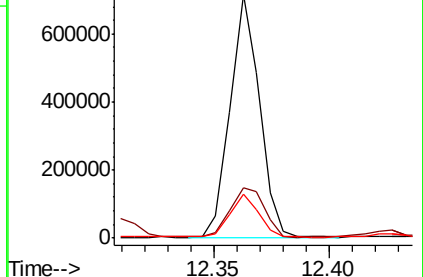
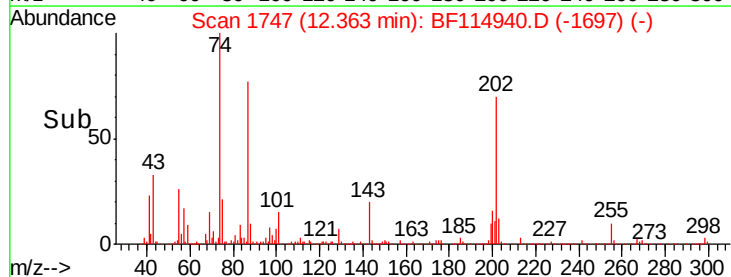
203 17.9 0.0 39.6

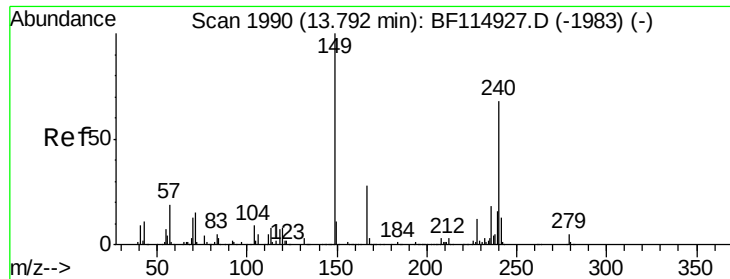


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

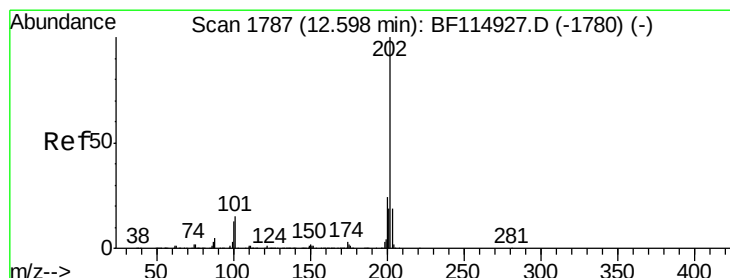
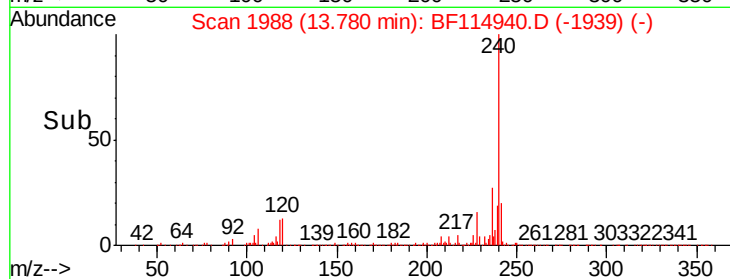
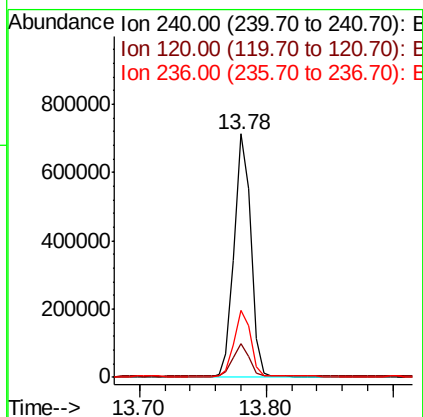
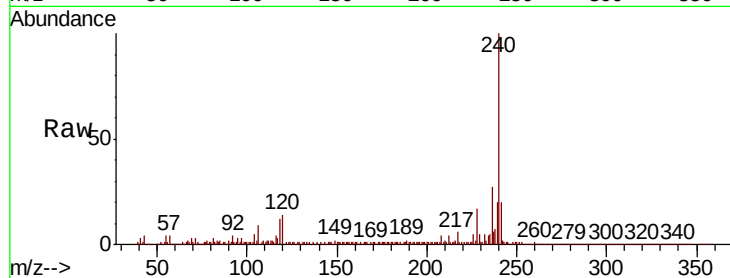




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

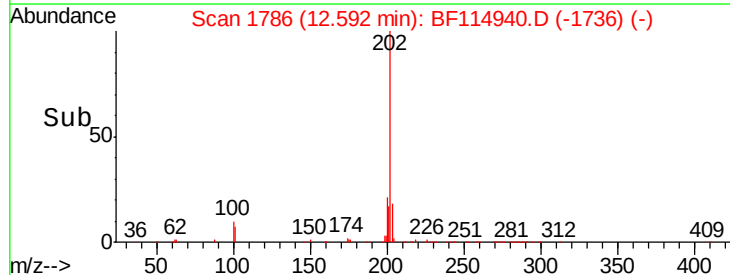
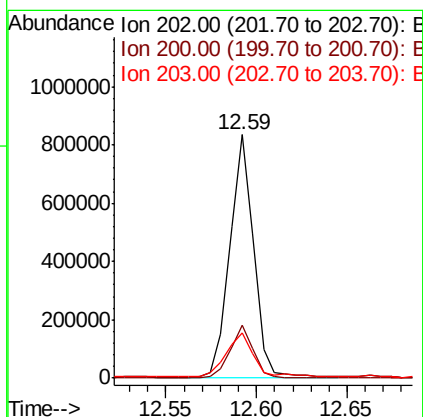
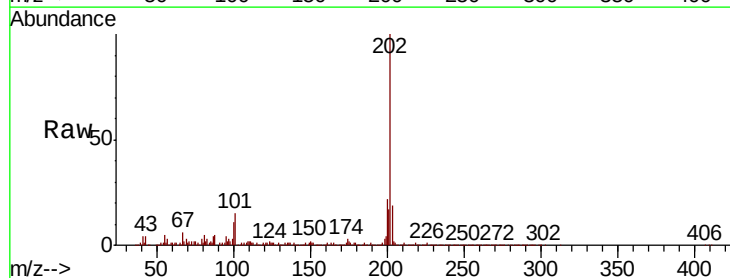
Instrument :
BNA_F
ClientSampleId :

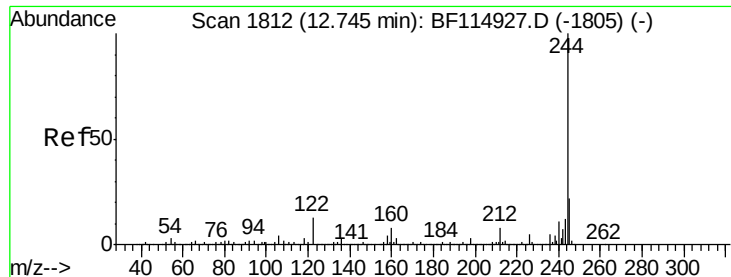
Tot Ion:240 Resp: 639465
Ion Ratio Lower Upper
240 100
120 14.0 9.2 13.8#
236 27.3 21.7 32.5



#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

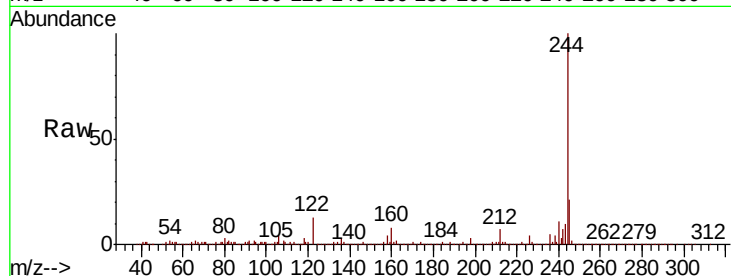




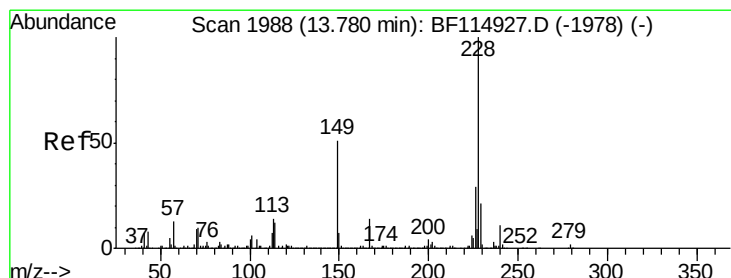
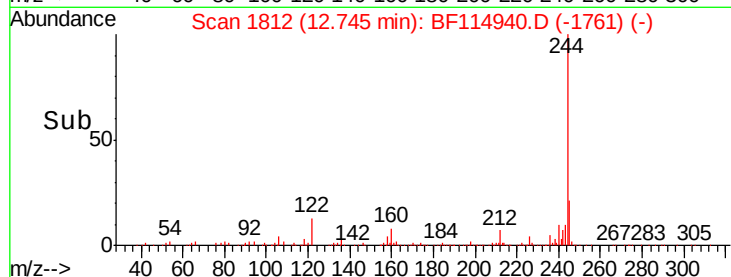
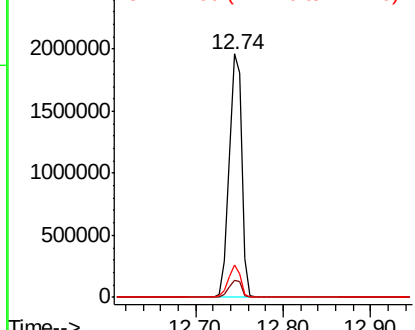
#79
 Terphenyl-d14
 Concen: 61.446 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

Instrument :
 BNA_F
 ClientSampleId :

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

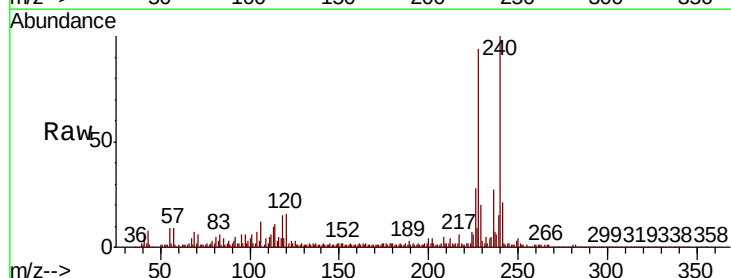


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

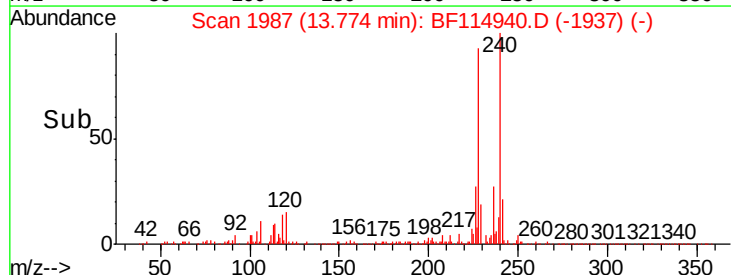
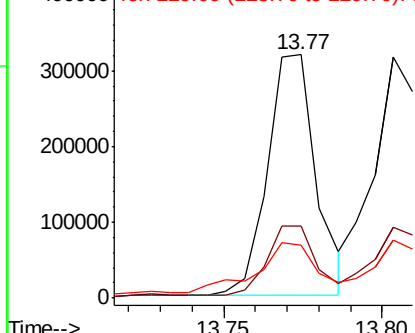


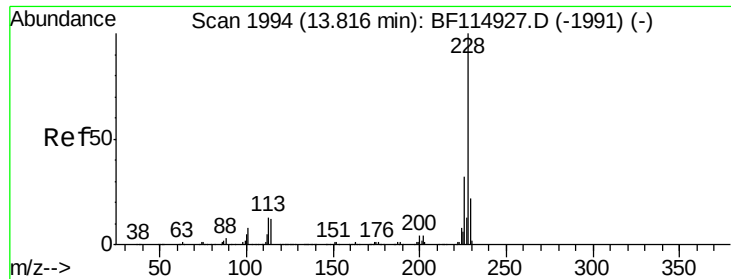
#81
 Benzo(a)anthracene
 Concen: 7.191 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BF114940.D
 Acq: 11 Jun 2019 12:33

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

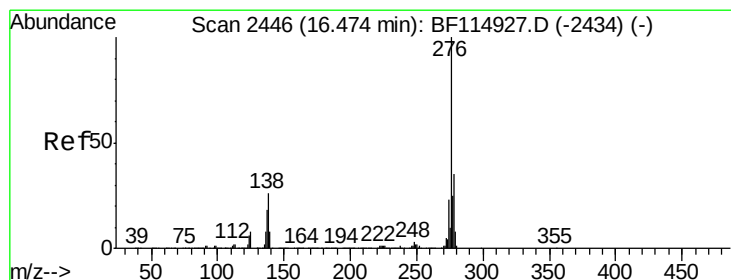
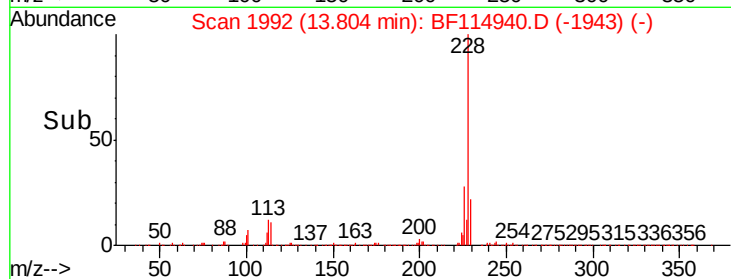
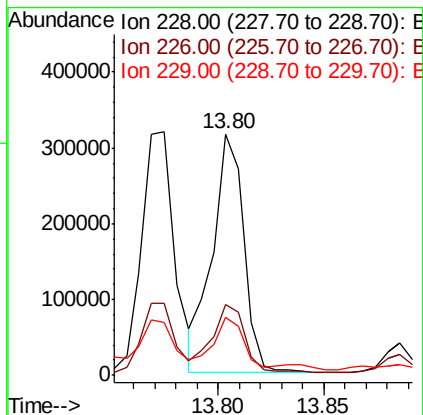
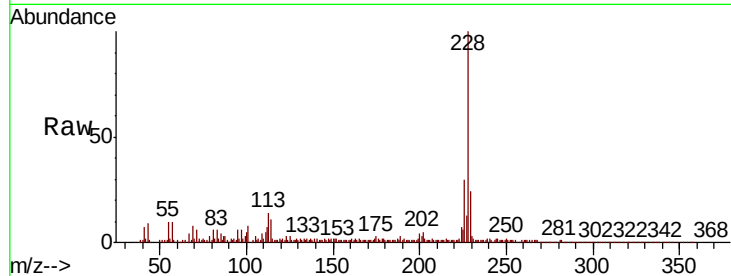




#83
Chrysene
Concen: 6.892 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

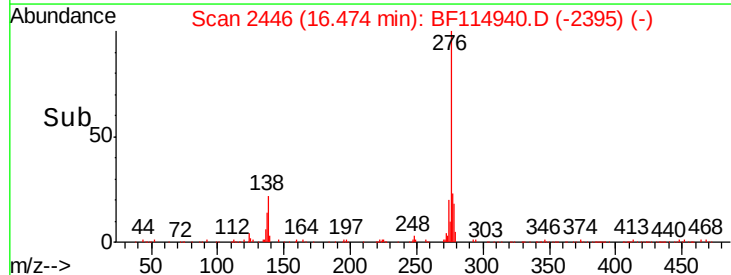
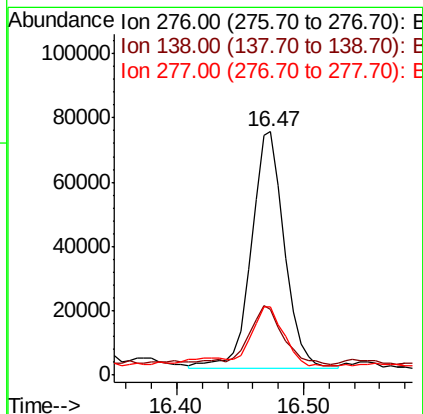
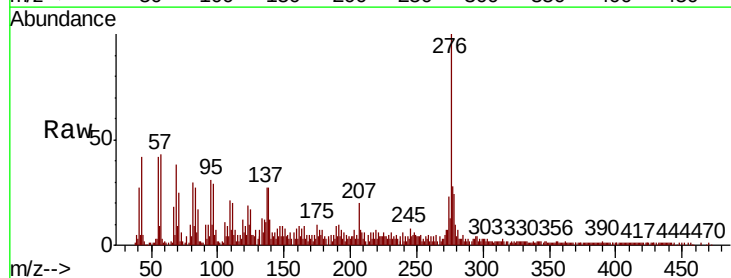
Instrument :
BNA_F
ClientSampleId :

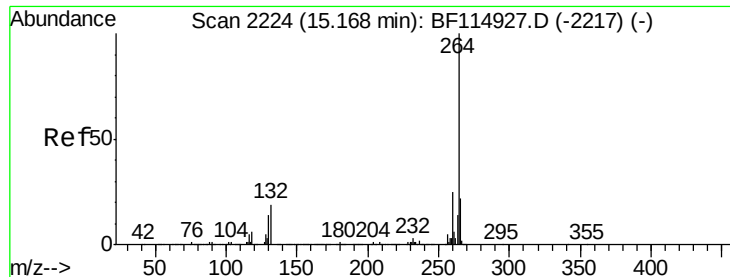
Tot Ion:228 Resp: 327228
Ion Ratio Lower Upper
228 100
226 29.5 25.8 38.8
229 24.2 17.2 25.8



#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 :

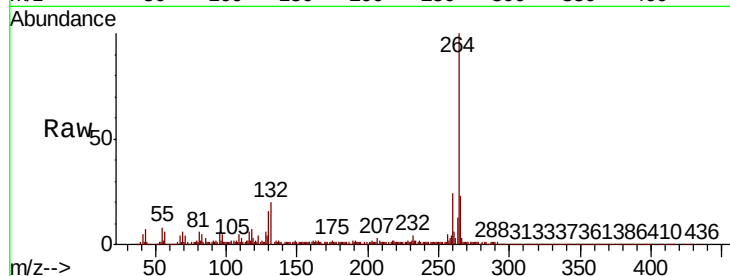
Tot Ion:264 Resp: 660522

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

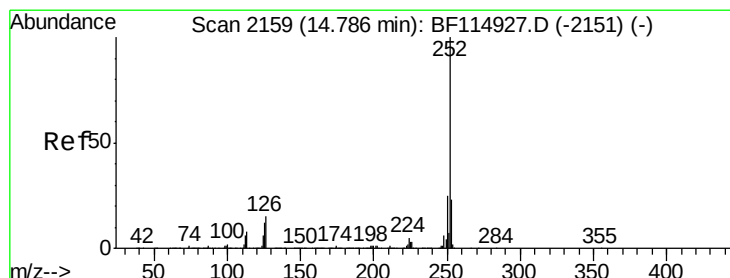
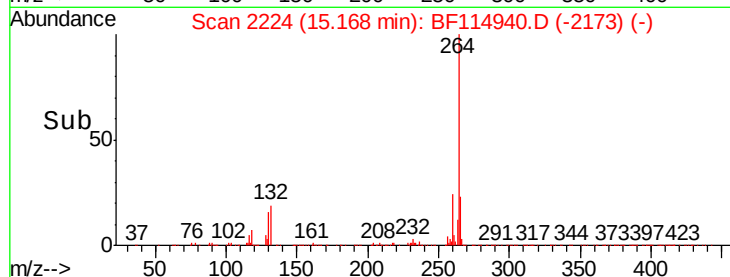
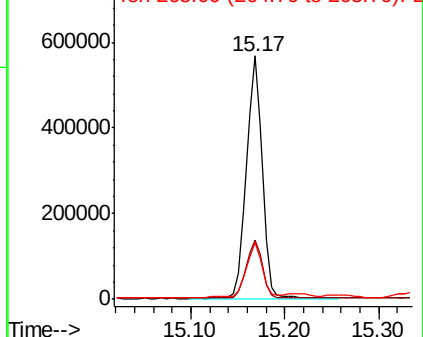
265 23.2 17.5 26.3



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: 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

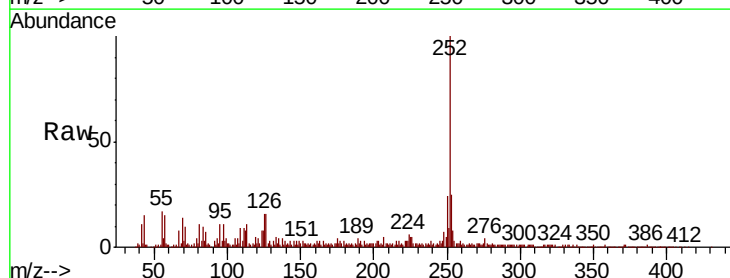
Tgt Ion:252 Resp: 502477

Ion Ratio Lower Upper

252 100

253 25.1 18.6 28.0

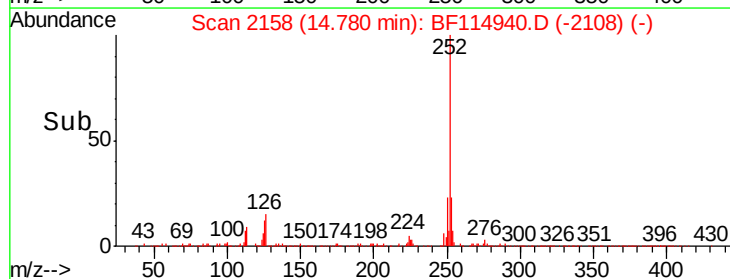
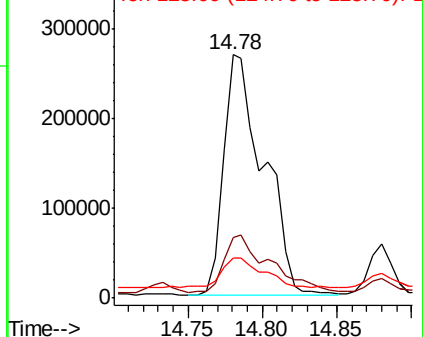
125 16.5 9.5 14.3#

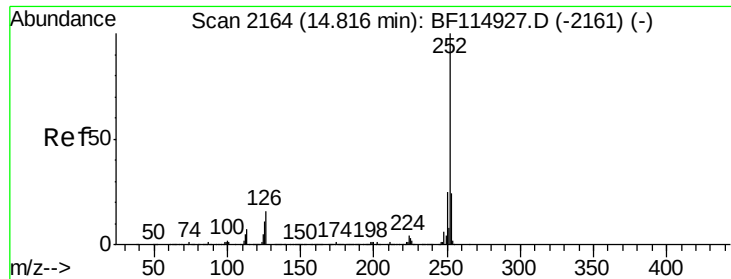


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

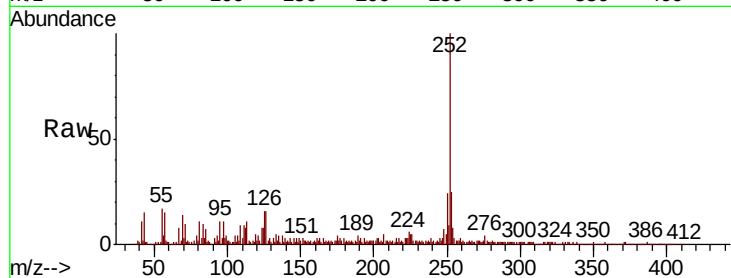




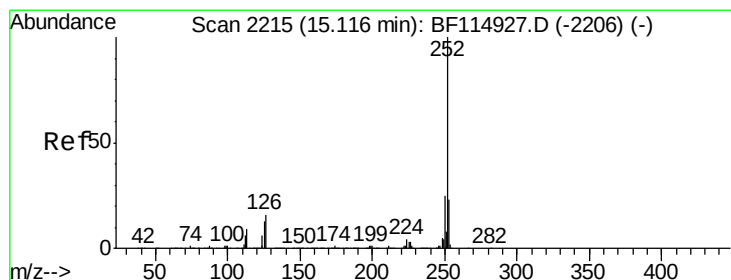
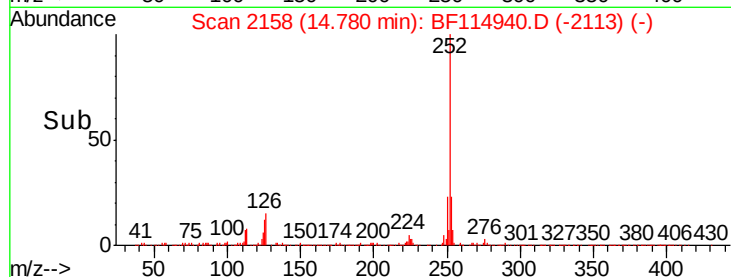
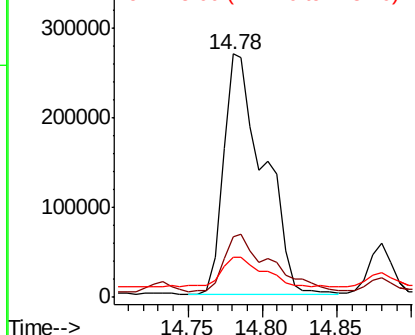
#89
Benzo(k)fluoranthene
Concen: 13.464 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

Instrument :
BNA_F
ClientSampleId :

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#

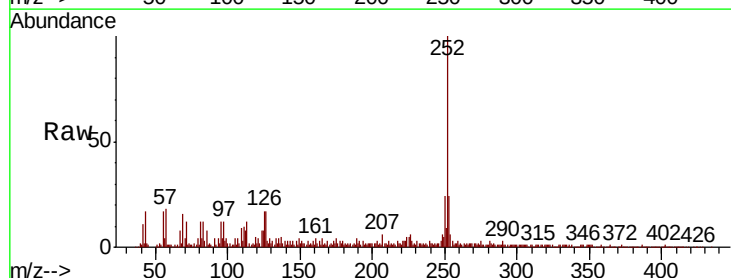


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

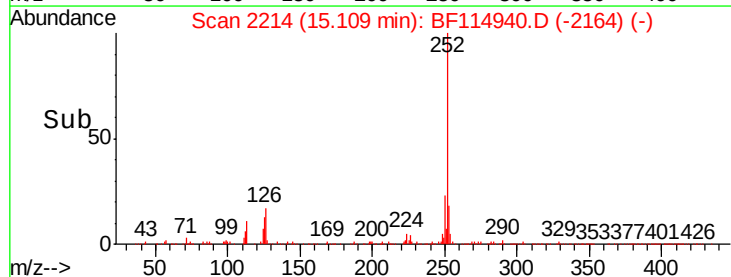
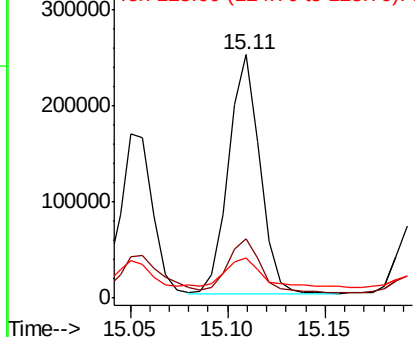


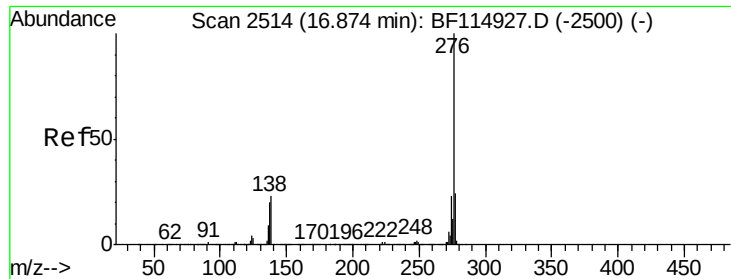
#90
Benzo(a)pyrene
Concen: 7.498 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114940.D
Acq: 11 Jun 2019 12:33

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#



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(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 :

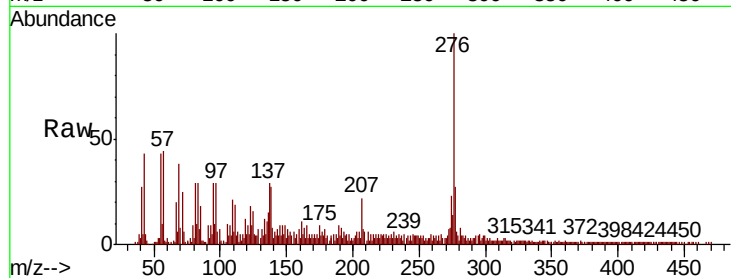
Tot Ion: 276 Resp: 128934

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

