

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114876.D
 Acq On : 6 Jun 2019 21:36
 Operator : HP/JU
 Sample : 3189-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-7D

Quant Time: Jun 07 00:04:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	478440	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1808665	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	858038	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1467700	20.00	ng	0.00
76) Chrysene-d12	13.79	240	751849	20.00	ng	0.00
87) Perylene-d12	15.18	264	878777	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	2358906	86.15	ng	0.02
7) Phenol-d6	6.31	99	2962731	88.93	ng	0.00
23) Nitrobenzene-d5	7.23	82	1783729	60.71	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	982863	106.29	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2669870	58.29	ng	0.00
79) Terphenyl-d14	12.76	244	3197838	82.72	ng	0.00

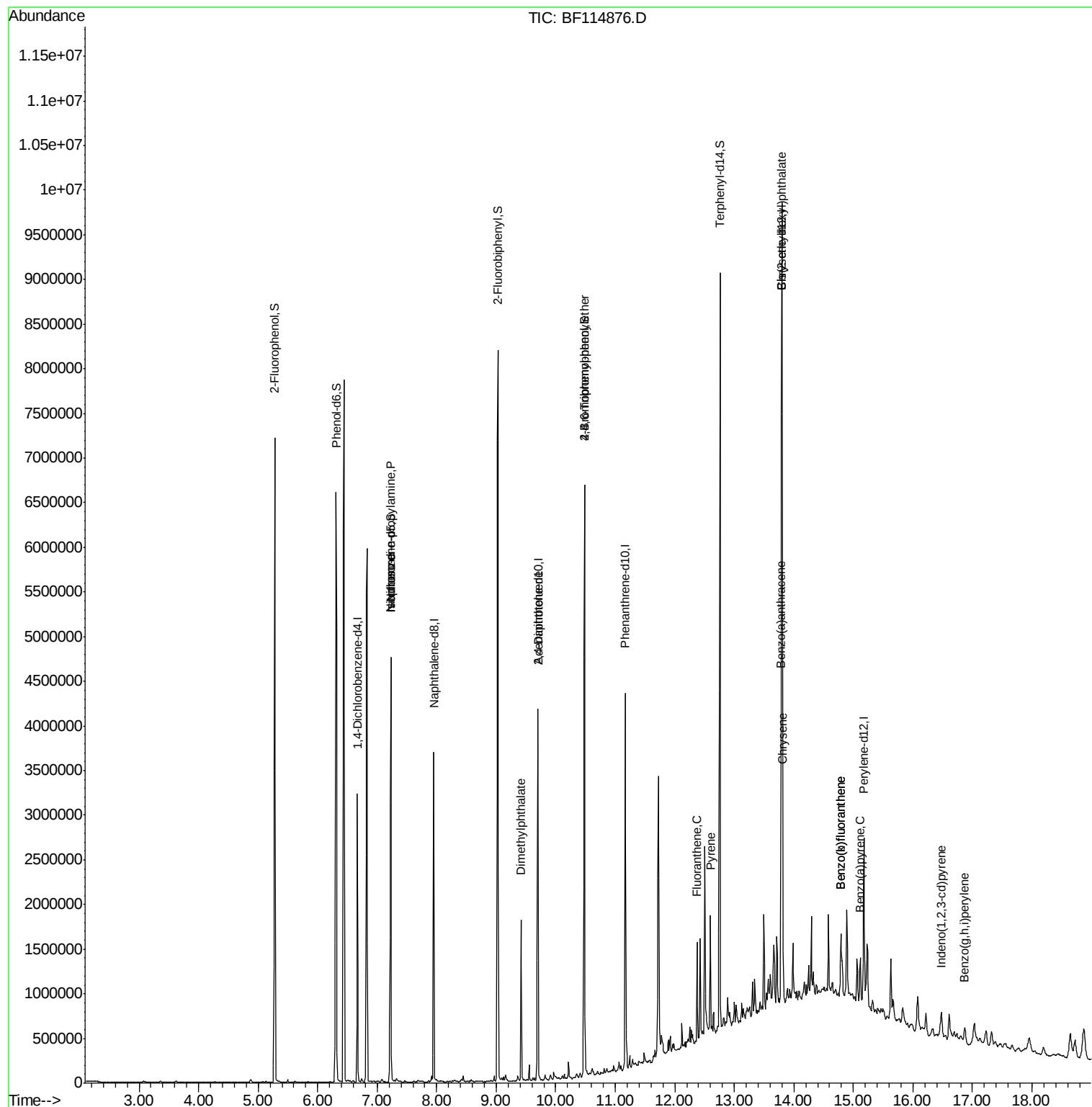
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	241458	10.948	ng	# 79
25) Isophorone	7.23	82	1692759	29.143	ng	# 61
50) Dimethylphthalate	9.42	163	713845	11.391	ng	99
57) 2,4-Dinitrotoluene	9.70	165	112135	6.052	ng	# 32
58) Fluorene	10.24	166	8692	Below	Cal	99
67) 4-Bromophenyl-phenylether	10.48	248	63802	3.827	ng	# 1
75) Fluoranthene	12.37	202	417897	5.730	ng	95
78) Pyrene	12.60	202	490660	7.523	ng	95
81) Benzo(a)anthracene	13.78	228	277348	4.787	ng	96
83) Chrysene	13.82	228	240565	4.268	ng	98
84) Bis(2-ethylhexyl)phthalate	13.80	149	2598030	62.380	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.48	276	152670	2.374	ng	97
88) Benzo(b)fluoranthene	14.79	252	496012	8.866	ng	# 97
89) Benzo(k)fluoranthene	14.79	252	496012	10.440	ng	97
90) Benzo(a)pyrene	15.12	252	220613	4.556	ng	# 97
92) Benzo(g,h,i)perylene	16.87	276	140602	3.049	ng	96

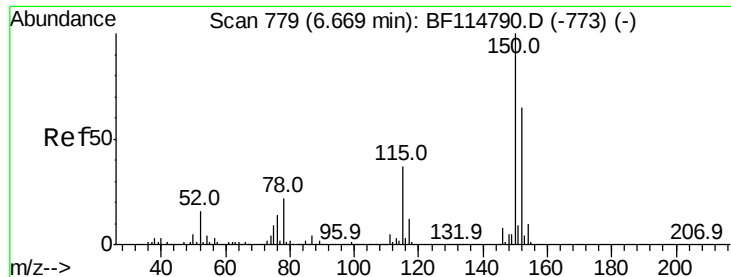
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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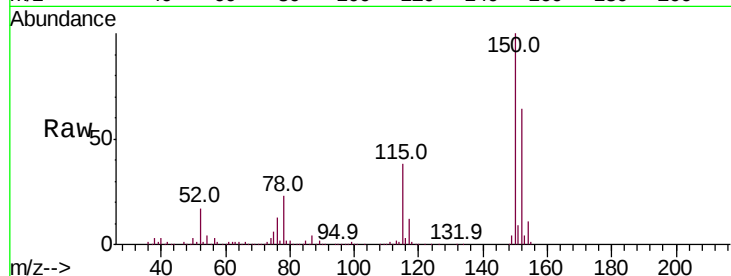


#1

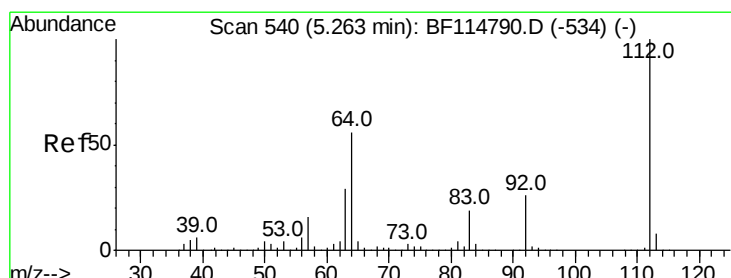
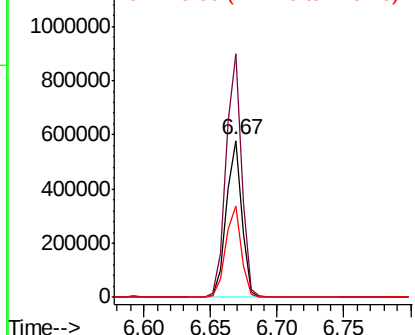
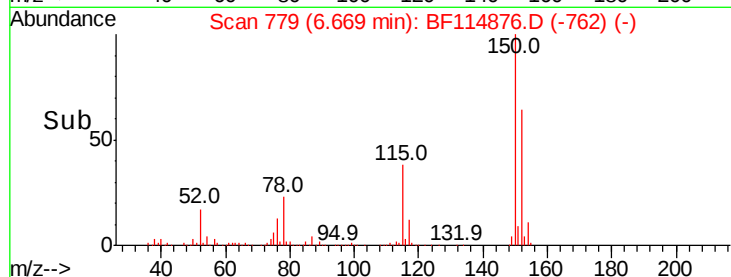
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Instrument :
BNA_F
ClientSampleId :
S-7D

Tot Ion:152 Resp: 478440
Ion Ratio Lower Upper
152 100
150 155.4 124.0 186.0
115 58.3 46.3 69.5



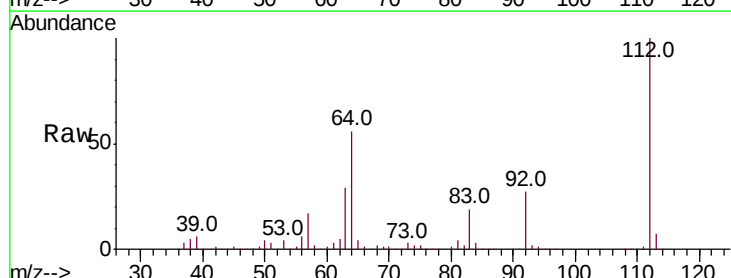
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



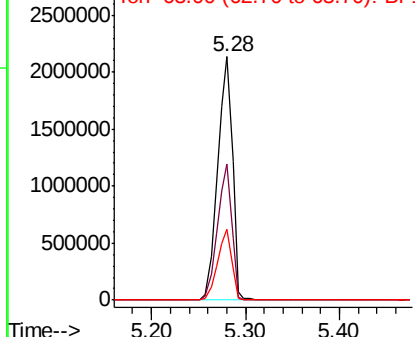
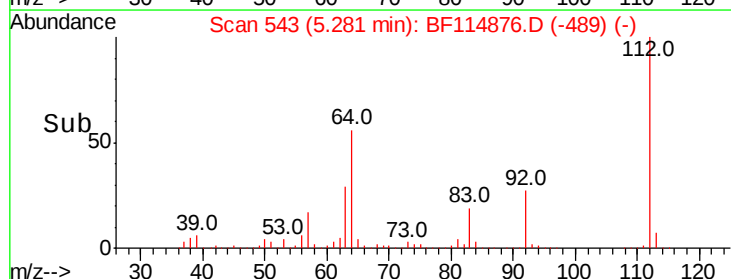
#5

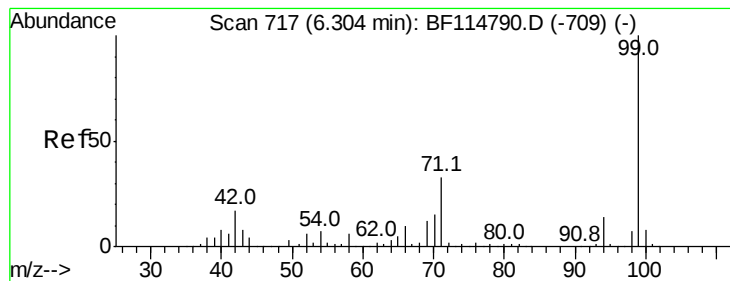
2-Fluorophenol
Concen: 86.152 ng
RT: 5.28 min Scan# 543
Delta R.T. 0.02 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Tgt Ion:112 Resp: 2358906
Ion Ratio Lower Upper
112 100
64 55.9 44.6 66.8
63 29.0 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: 88.925 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Instrument :

BNA_F

ClientSampleId :

S-7D

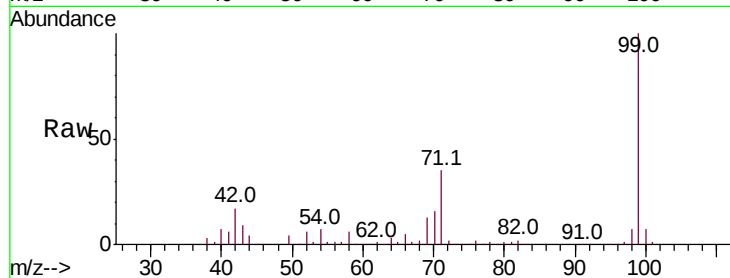
Tot Ion: 99 Resp: 2962731

Ion Ratio Lower Upper

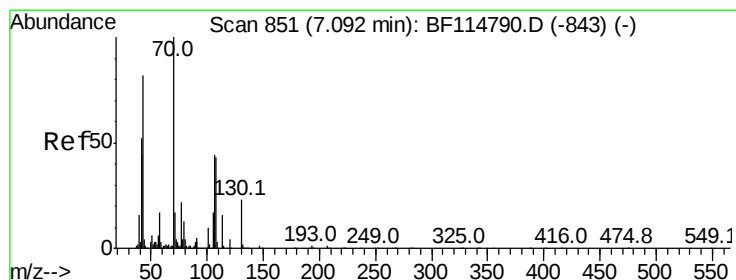
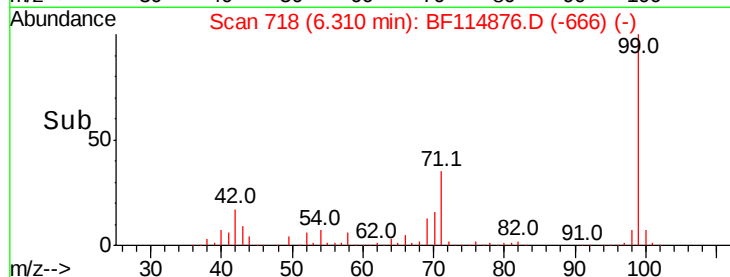
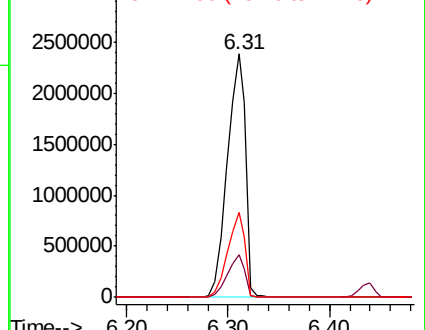
99 100

42 17.3 13.3 19.9

71 34.8 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: 10.948 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Tgt Ion: 70 Resp: 241458

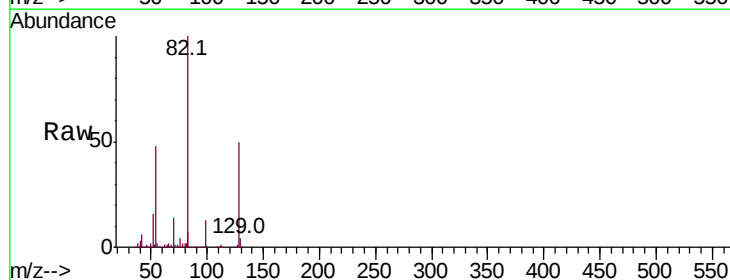
Ion Ratio Lower Upper

70 100

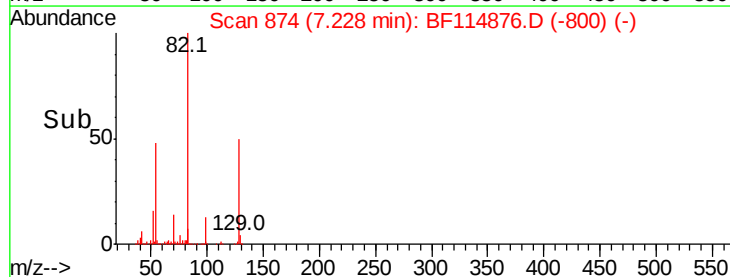
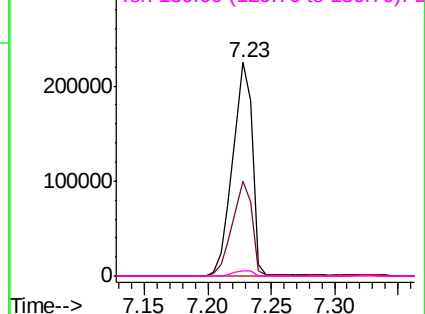
42 44.6 41.8 62.8

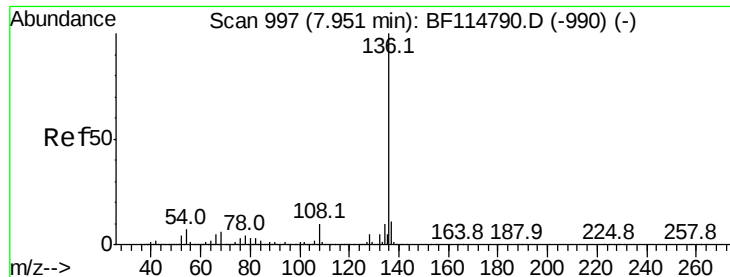
101 0.0 8.2 12.4#

130 2.5 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# 997

Delta R.T. 0.00 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Instrument :

BNA_F

ClientSampled :

S-7D

Tot Ion:136 Resp: 1808665

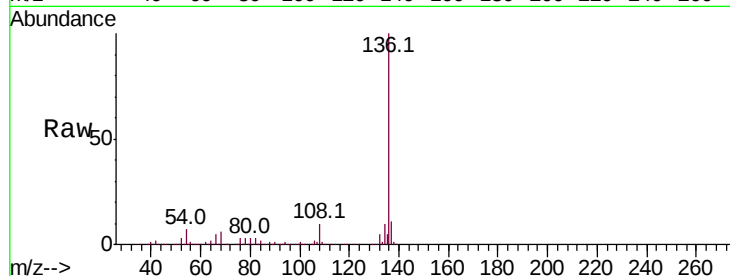
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.6 5.4 8.0

68 5.6 4.6 6.8

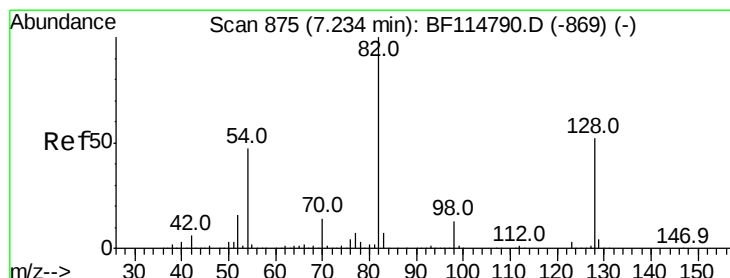
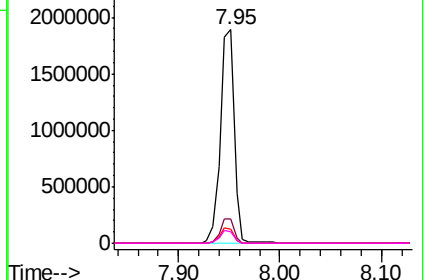
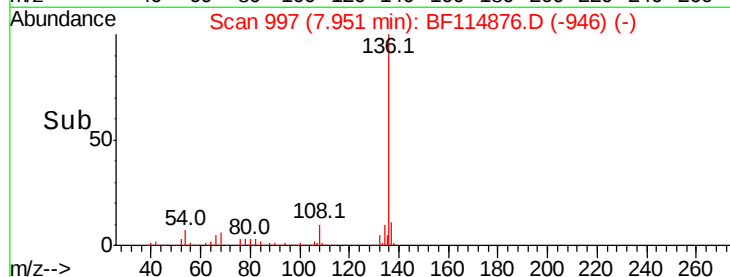


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.710 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

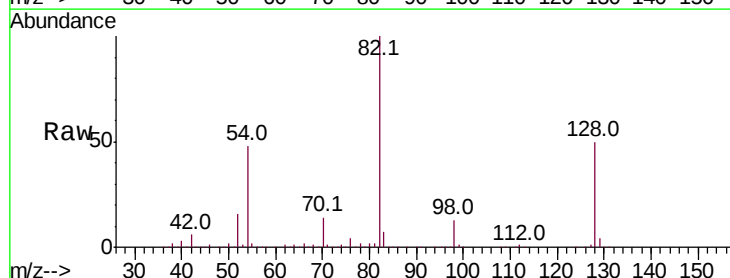
Tgt Ion: 82 Resp: 1783729

Ion Ratio Lower Upper

82 100

128 49.9 41.8 62.6

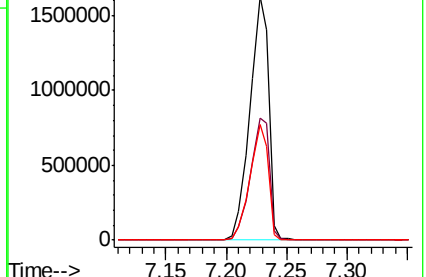
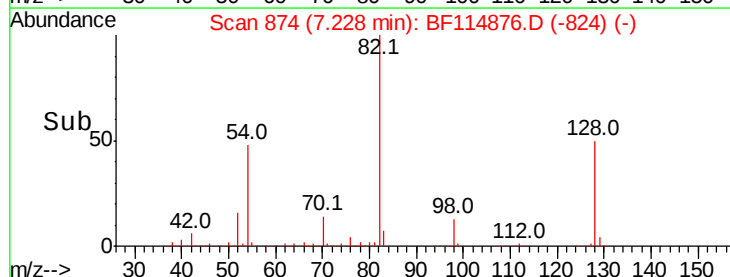
54 47.7 37.9 56.9

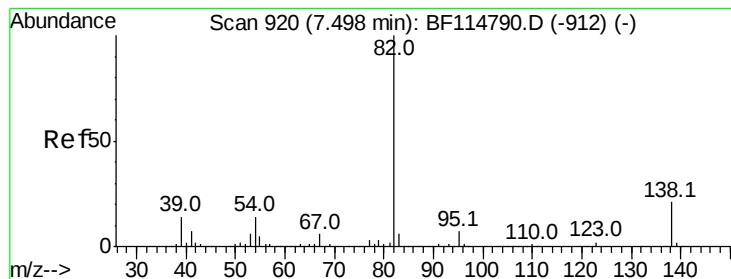


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.143 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Instrument :

BNA_F

ClientSampleId :

S-7D

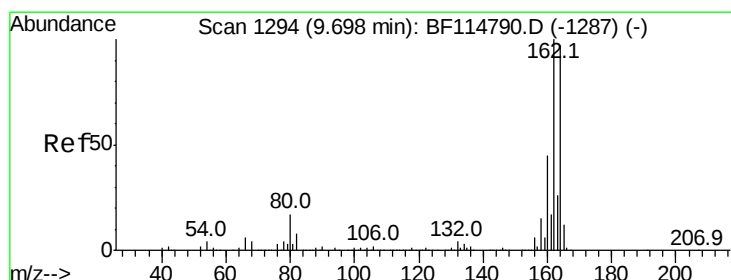
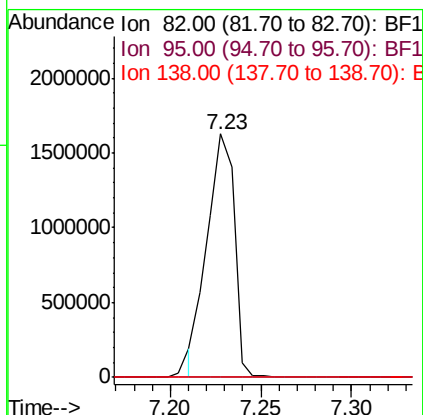
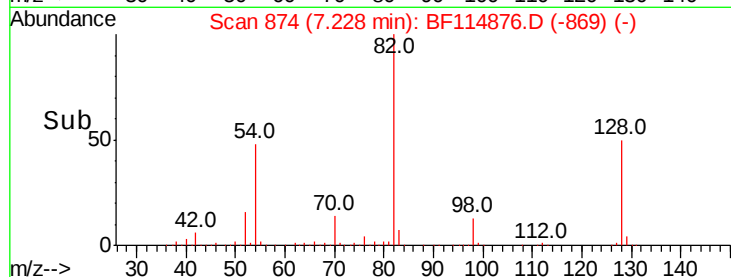
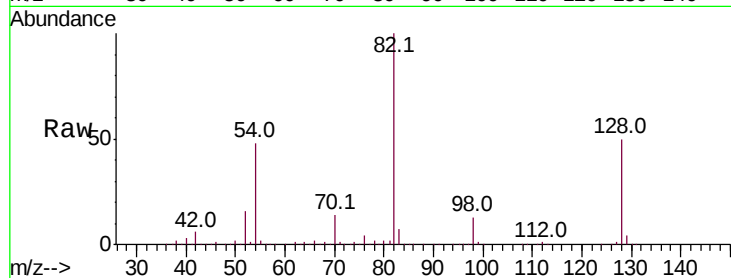
Tot Ion: 82 Resp: 1692759

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.9 25.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

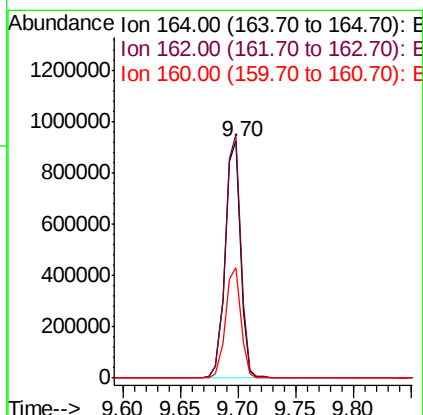
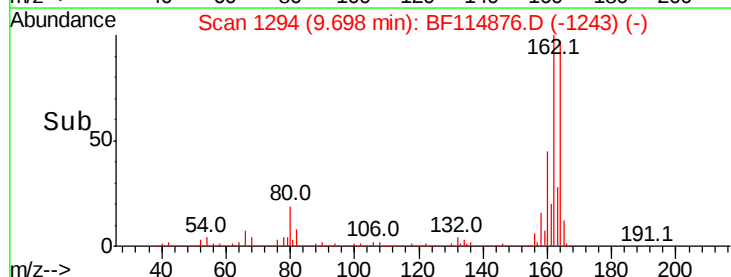
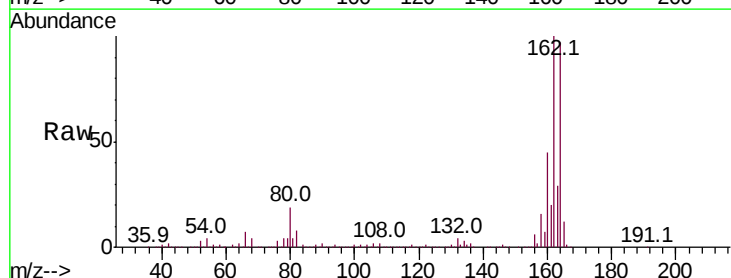
Tgt Ion:164 Resp: 858038

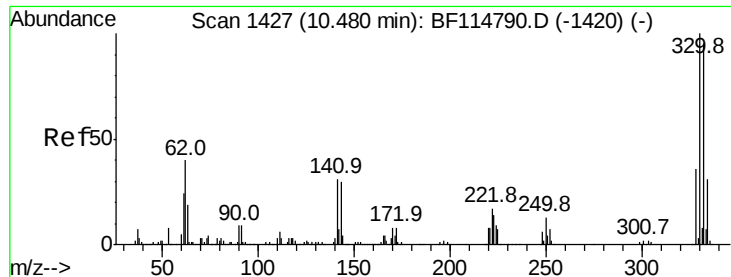
Ion Ratio Lower Upper

164 100

162 102.8 82.3 123.5

160 46.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 106.293 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Instrument :

BNA_F

ClientSampleId :

S-7D

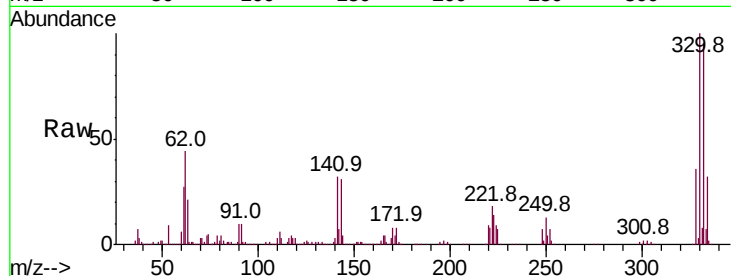
Tot Ion:330 Resp: 982863

Ion Ratio Lower Upper

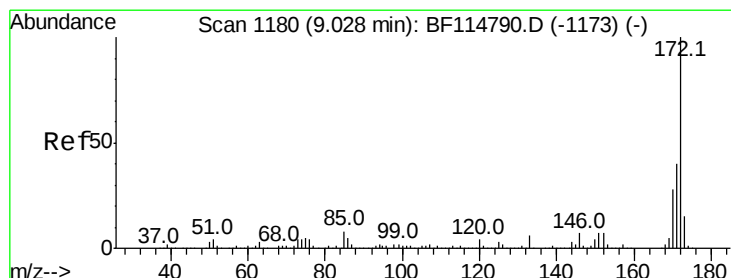
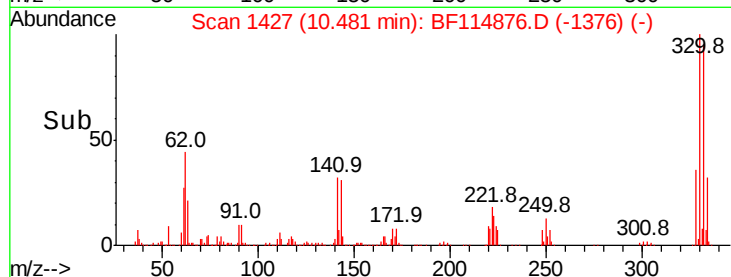
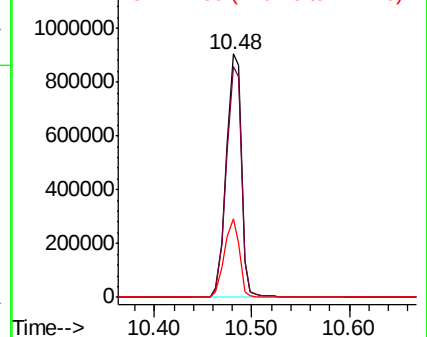
330 100

332 95.6 77.3 115.9

141 31.8 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: 58.289 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

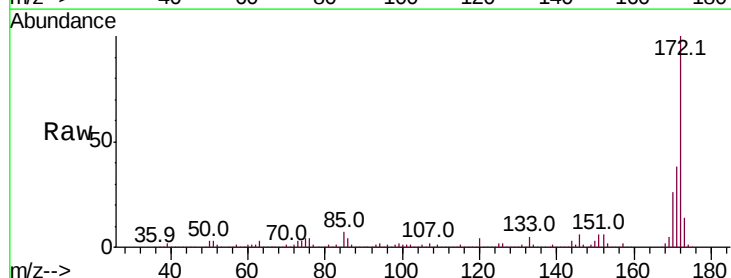
Tgt Ion:172 Resp: 2669870

Ion Ratio Lower Upper

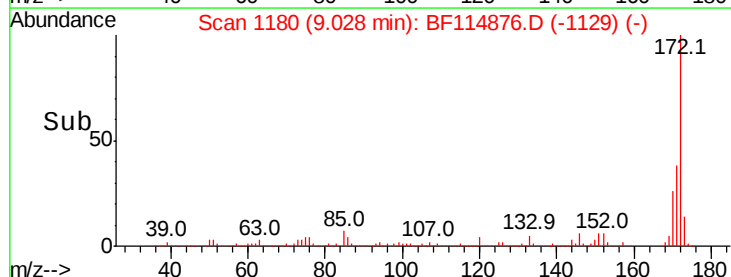
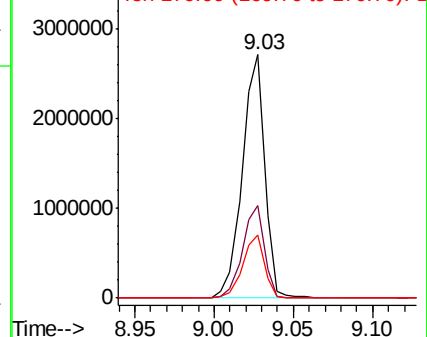
172 100

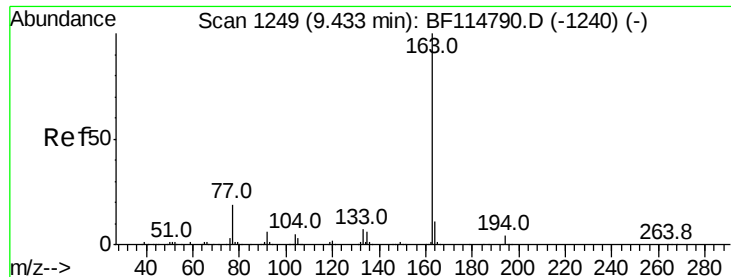
171 38.1 32.3 48.5

170 26.0 22.4 33.6



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

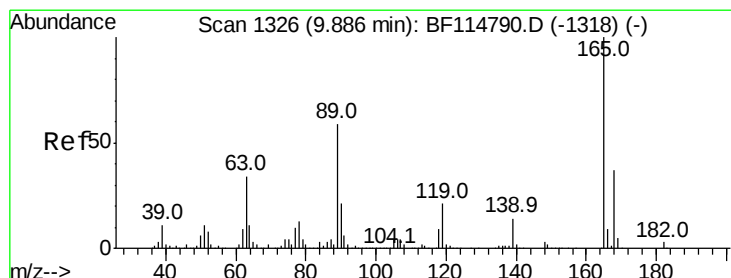
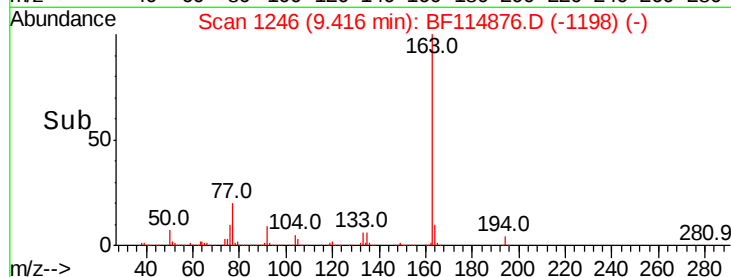
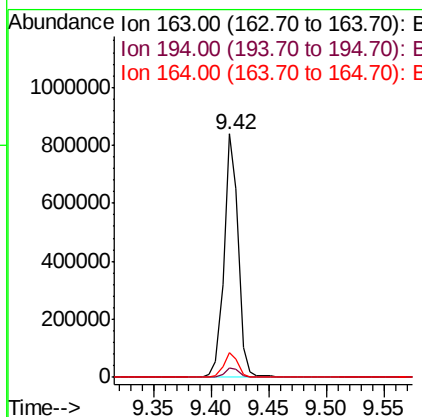
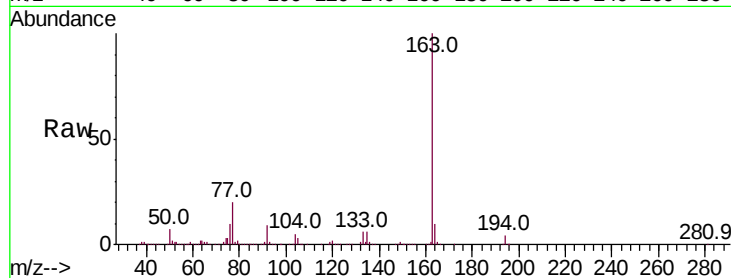




#50
Dimethylphthalate
Concen: 11.391 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

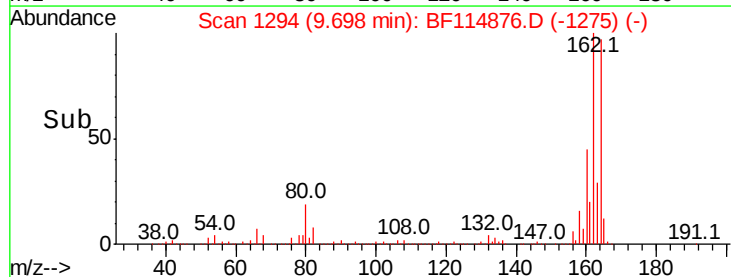
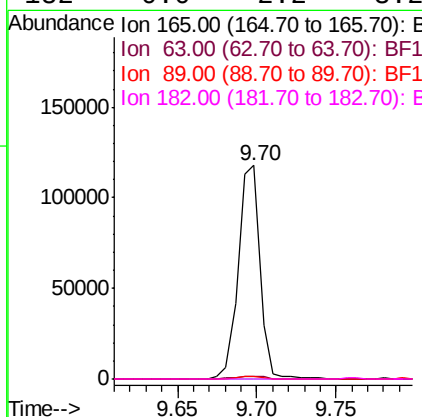
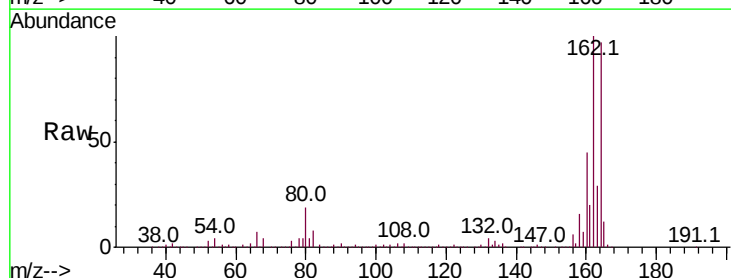
Instrument :
BNA_F
ClientSampled :
S-7D

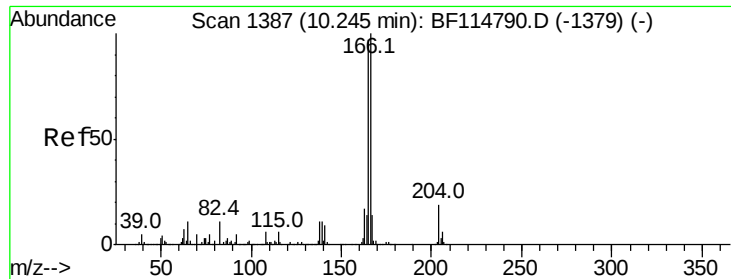
Tot Ion:163 Resp: 713845
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 10.4 8.6 13.0



#57
2,4-Dinitrotoluene
Concen: 6.052 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.19 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Tgt Ion:165 Resp: 112135
Ion Ratio Lower Upper
165 100
63 1.2 27.0 40.4#
89 1.3 47.0 70.6#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: Below Cal

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Instrument :

BNA_F

ClientSampleId :

S-7D

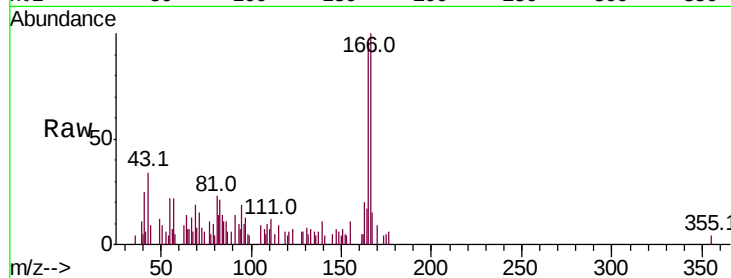
Tot Ion:166 Resp: 8692

Ion Ratio Lower Upper

166 100

165 96.4 77.9 116.9

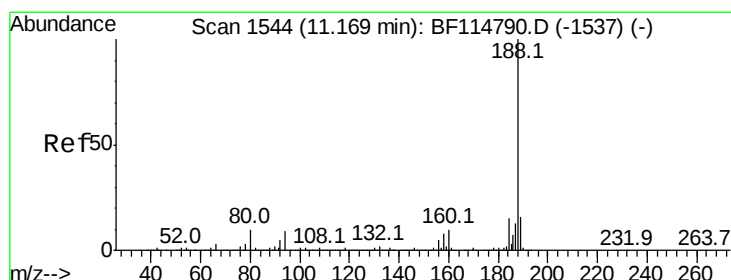
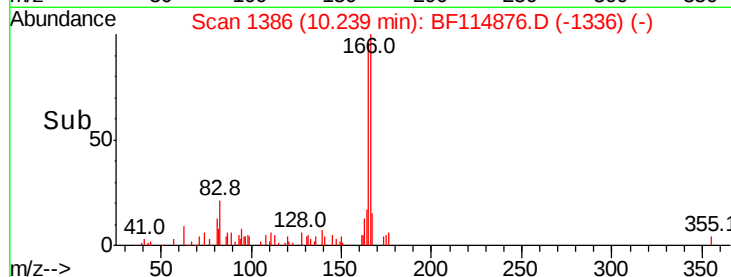
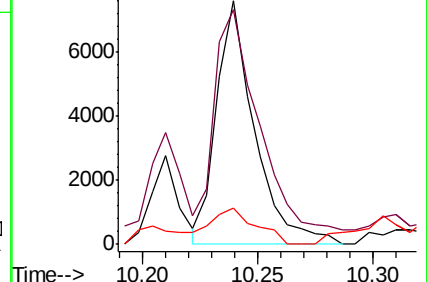
167 14.7 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

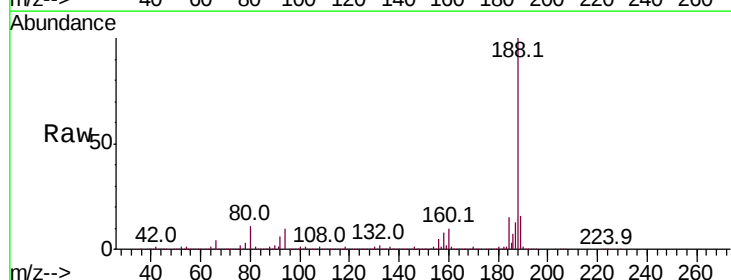
Tgt Ion:188 Resp: 1467700

Ion Ratio Lower Upper

188 100

94 10.1 7.6 11.4

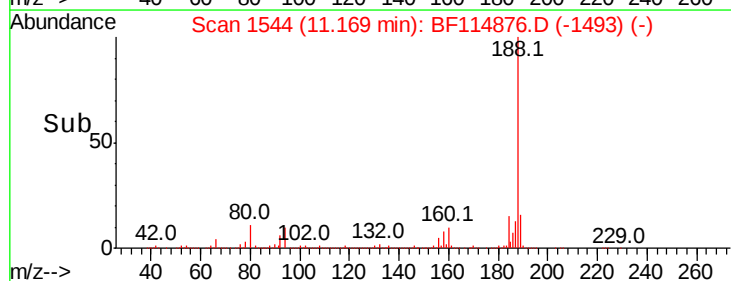
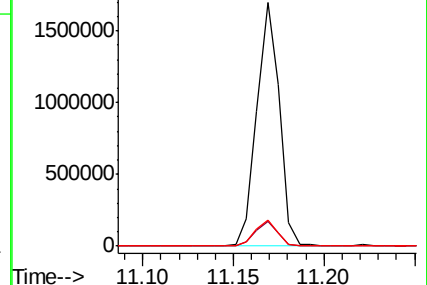
80 10.7 8.3 12.5

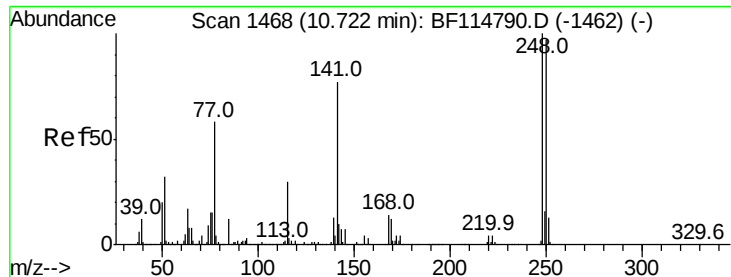


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

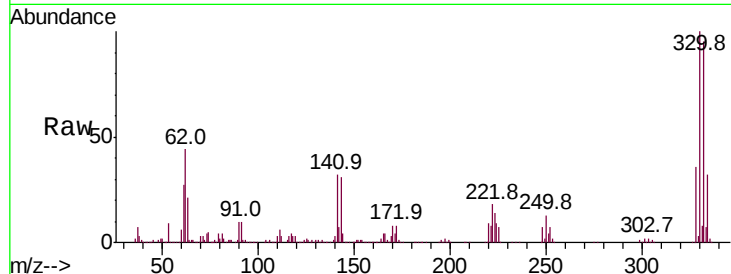




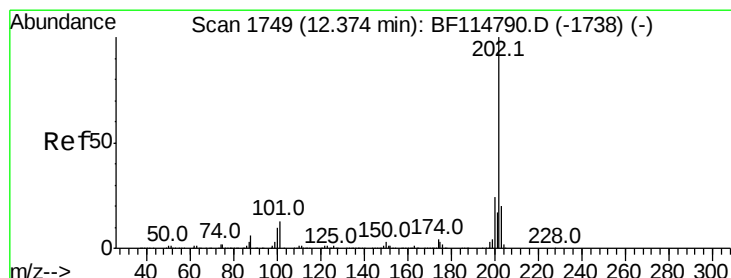
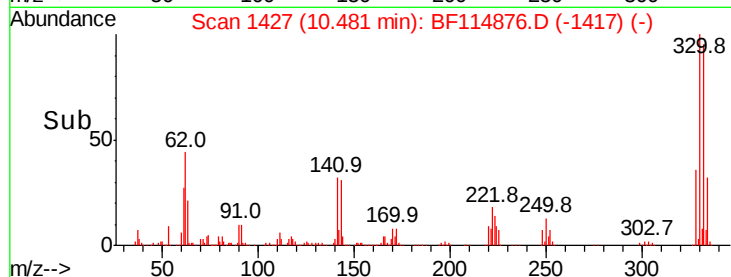
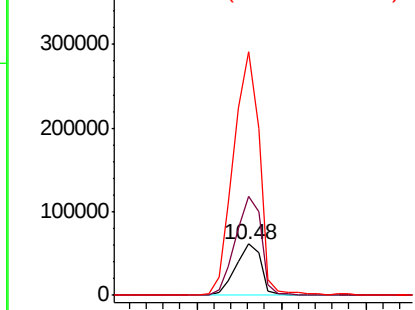
#67
4-Bromophenyl-phenylether
Concen: 3.827 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.24 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Instrument :
BNA_F
ClientSampleId :
S-7D

Tot Ion:248 Resp: 63802
Ion Ratio Lower Upper
248 100
250 194.8 77.5 116.3#
141 476.9 61.8 92.8#

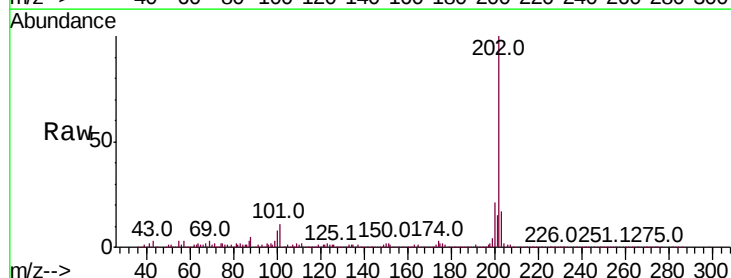


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

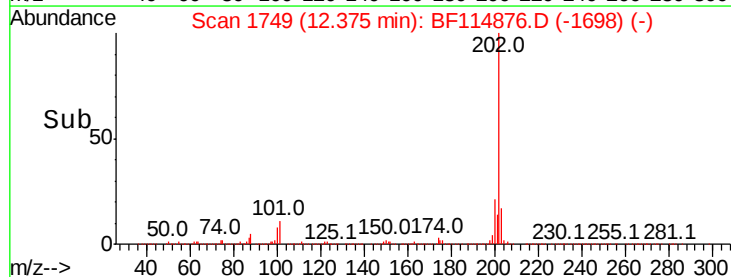
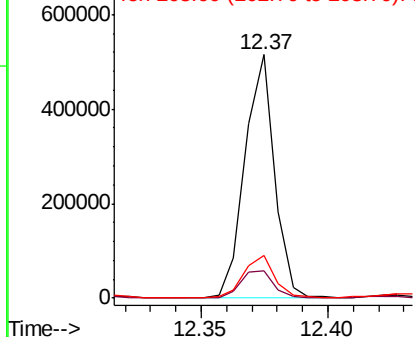


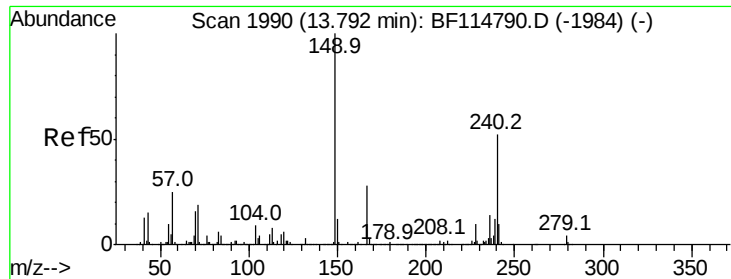
#75
Fluoranthene
Concen: 5.730 ng
RT: 12.37 min Scan# 1749
Delta R.T. 0.00 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Tgt Ion:202 Resp: 417897
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.8
203 17.4 0.2 40.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

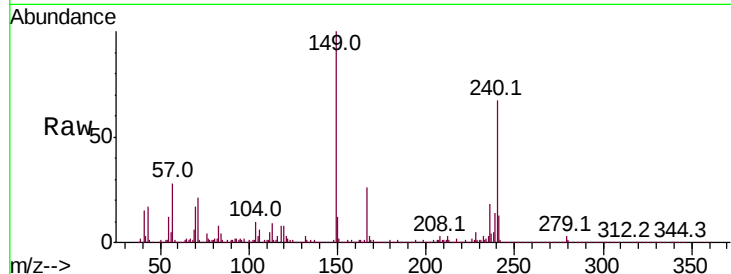




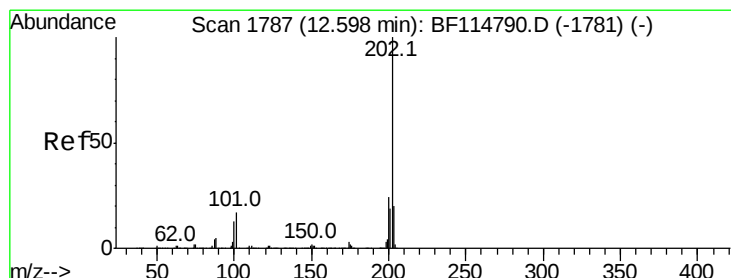
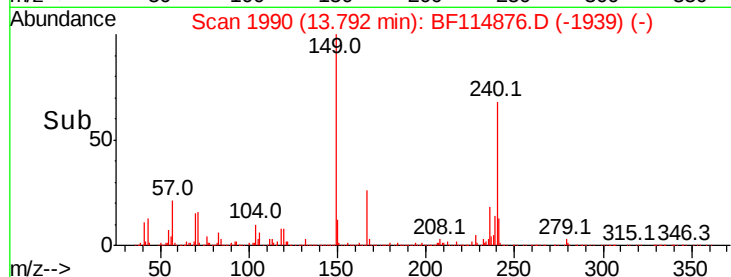
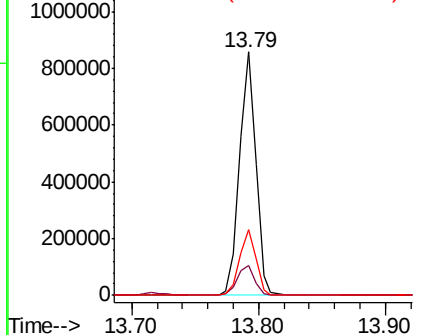
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Instrument :
BNA_F
ClientSampleId :
S-7D

Tot Ion:240 Resp: 751849
Ion Ratio Lower Upper
240 100
120 12.3 9.0 13.4
236 26.9 21.4 32.0

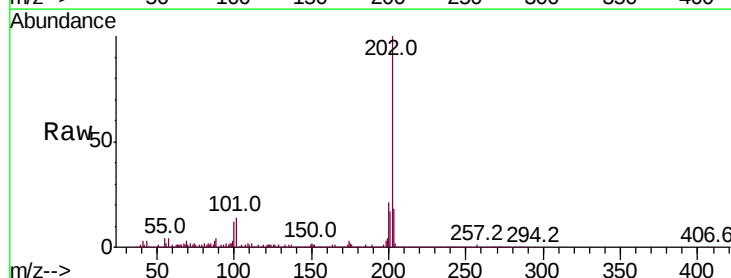


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

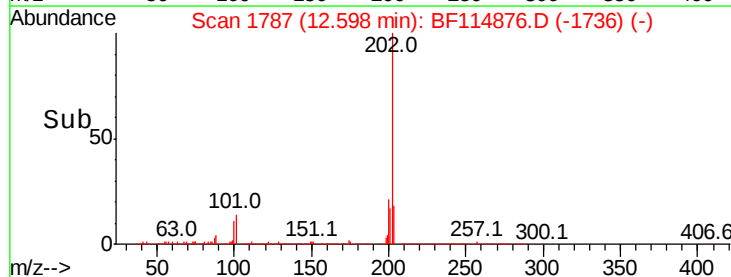
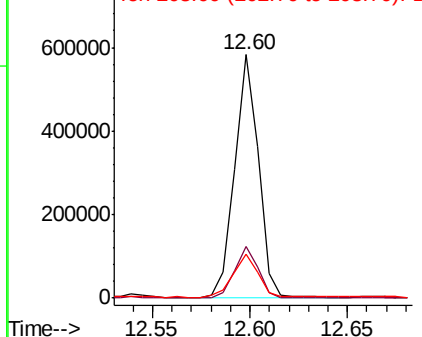


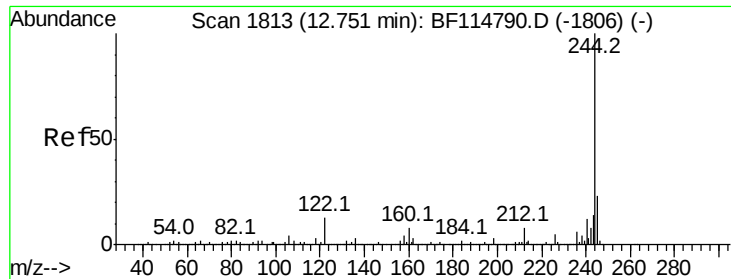
#78
Pyrene
Concen: 7.523 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Tgt Ion:202 Resp: 490660
Ion Ratio Lower Upper
202 100
200 21.3 19.2 28.8
203 18.1 15.9 23.9



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: 82.716 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Instrument :

BNA_F

ClientSampleId :

S-7D

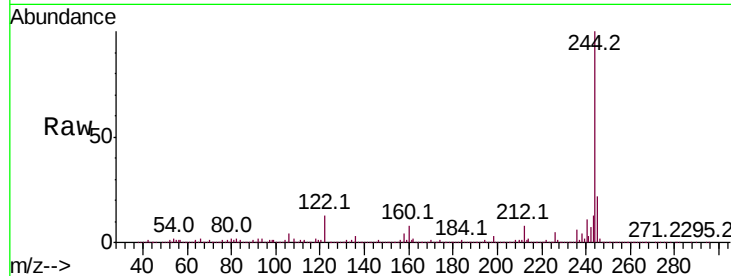
Tot Ion:244 Resp: 3197838

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

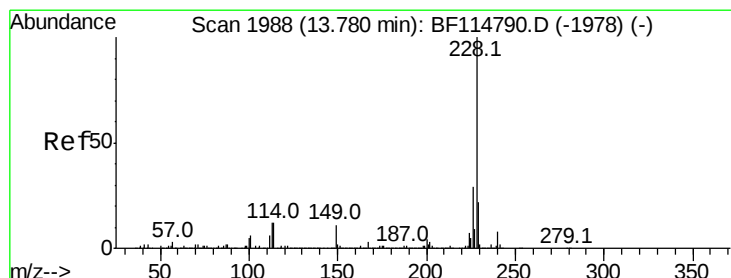
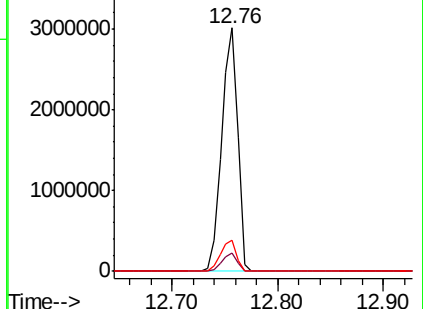
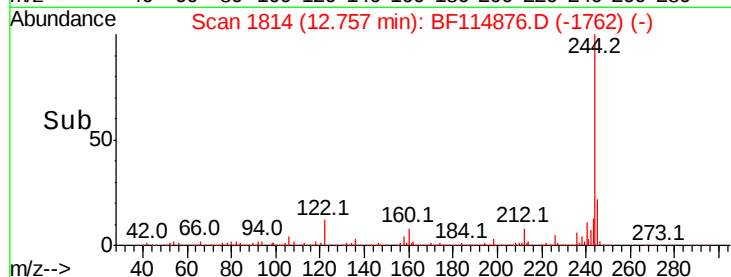
122 12.5 10.5 15.7



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: 4.787 ng

RT: 13.78 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

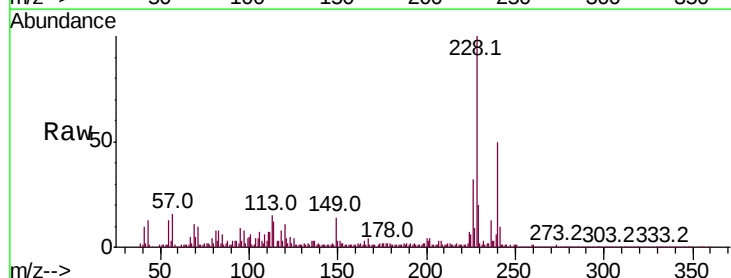
Tgt Ion:228 Resp: 277348

Ion Ratio Lower Upper

228 100

226 31.5 23.4 35.2

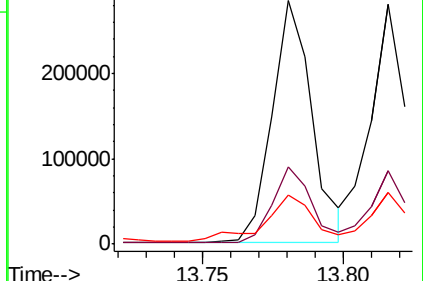
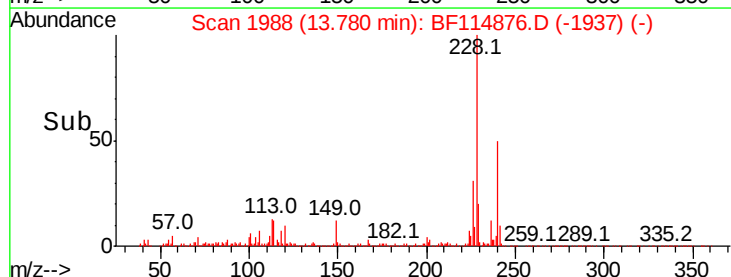
229 20.3 17.4 26.0

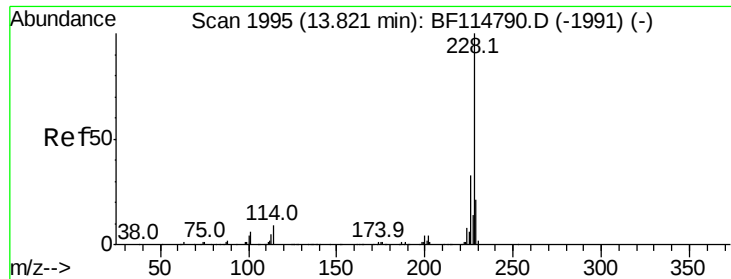


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

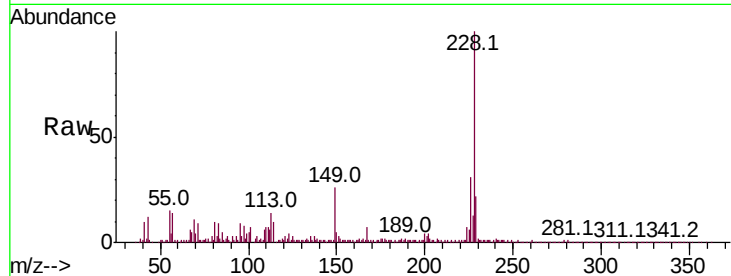




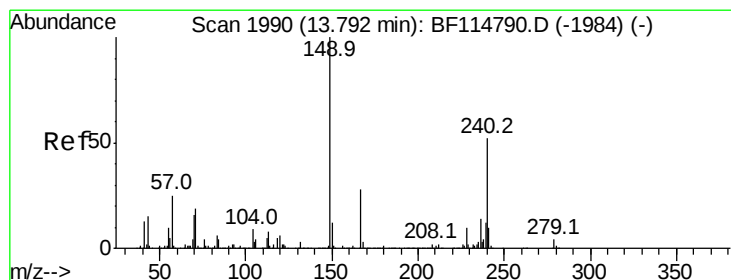
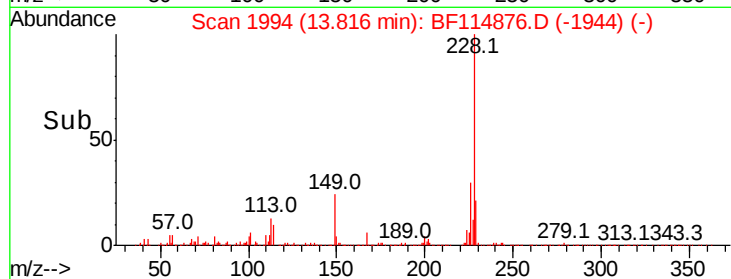
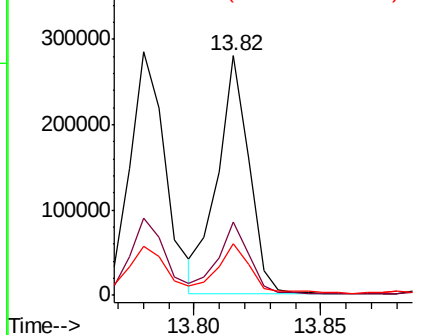
#83
Chrysene
Concen: 4.268 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Instrument :
BNA_F
ClientSampleId :
S-7D

Tot Ion:228 Resp: 240565
Ion Ratio Lower Upper
228 100
226 30.7 26.0 39.0
229 21.6 17.1 25.7

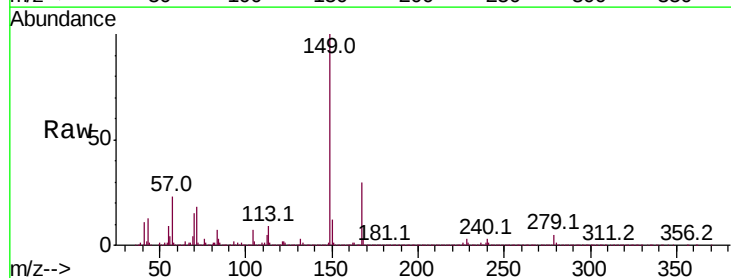


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

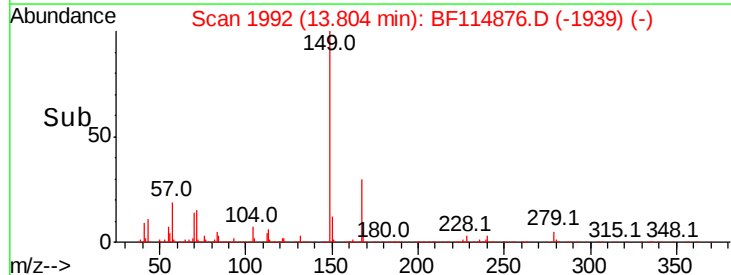
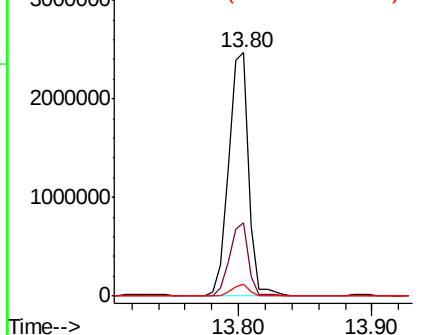


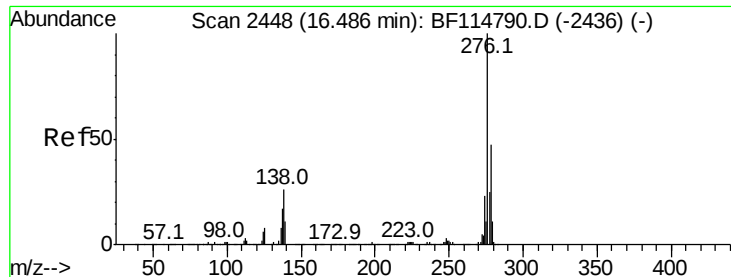
#84
Bis(2-ethylhexyl)phthalate
Concen: 62.380 ng
RT: 13.80 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Tgt Ion:149 Resp: 2598030
Ion Ratio Lower Upper
149 100
167 30.0 22.7 34.1
279 5.0 3.1 4.7#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

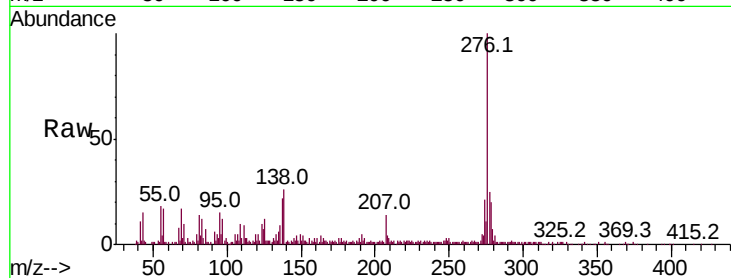




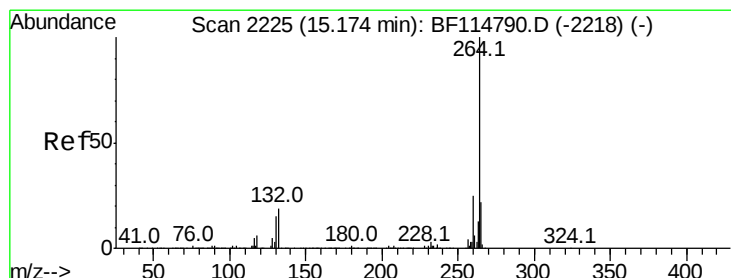
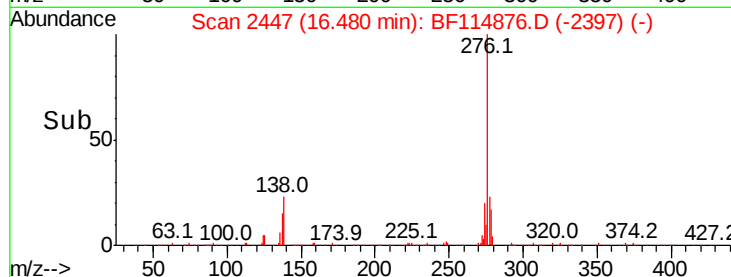
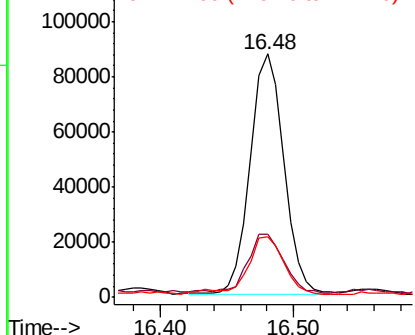
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.374 ng
RT: 16.48 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Instrument :
BNA_F
ClientSampleId :
S-7D

Tot Ion:276 Resp: 152670
Ion Ratio Lower Upper
276 100
138 25.4 22.2 33.4
277 25.9 20.6 30.8

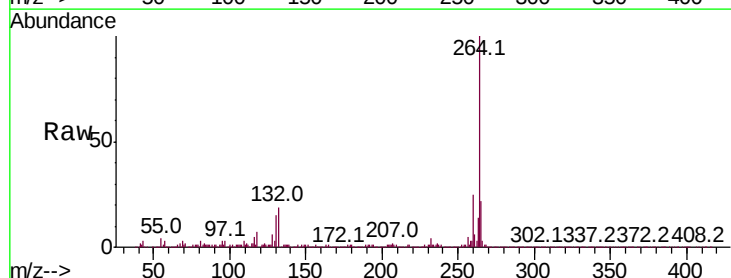


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

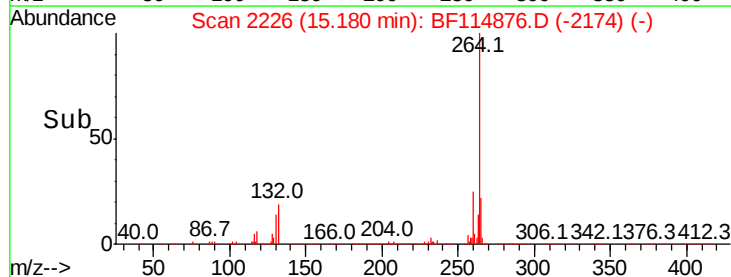
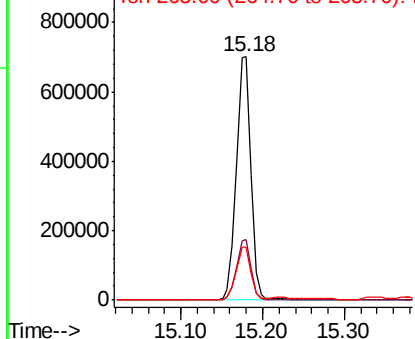


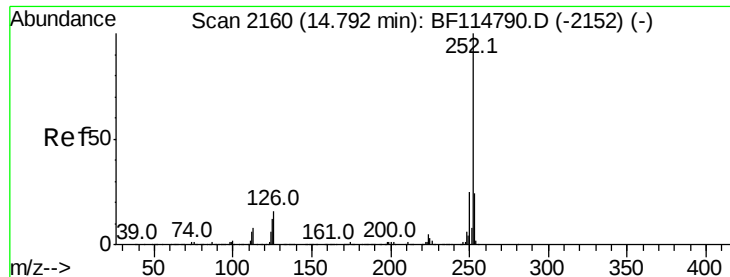
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Tgt Ion:264 Resp: 878777
Ion Ratio Lower Upper
264 100
260 25.0 20.1 30.1
265 21.9 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

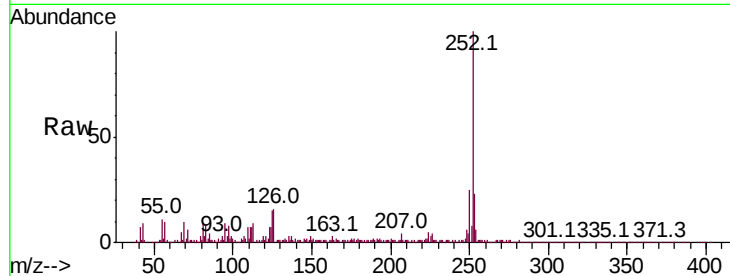




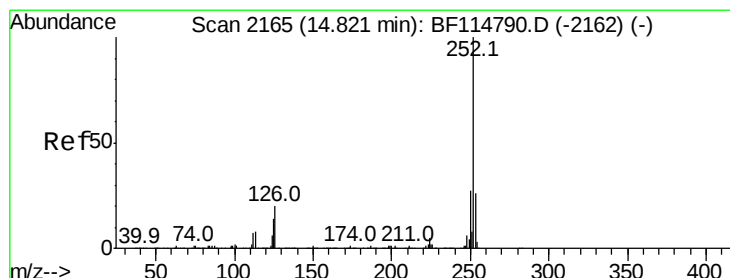
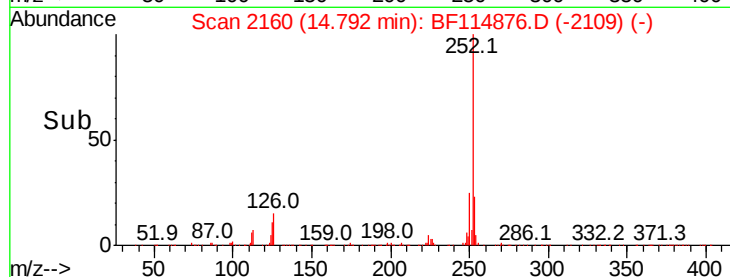
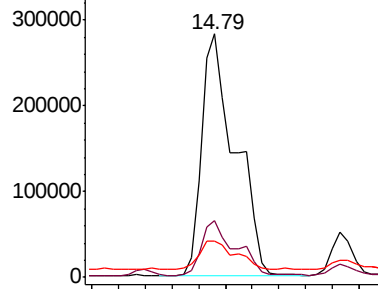
#88
Benzo(b)fluoranthene
Concen: 8.866 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Instrument :
BNA_F
ClientSampleId :
S-7D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	14.8	9.4	14.0

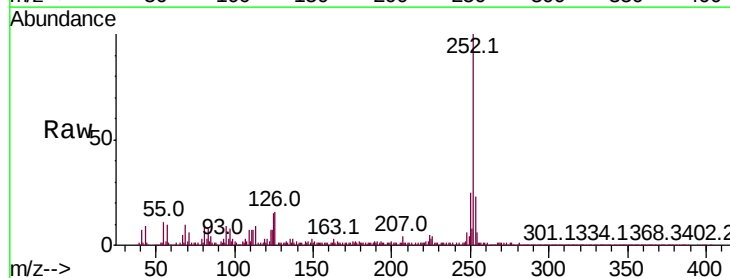


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

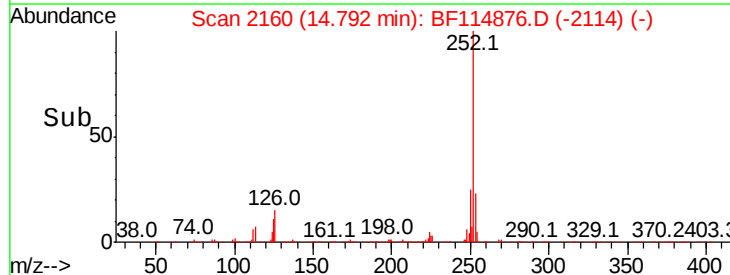
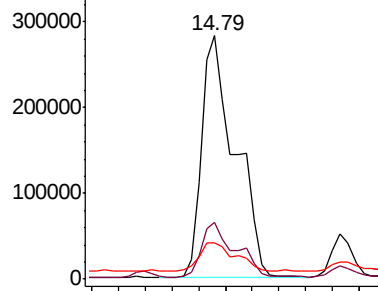


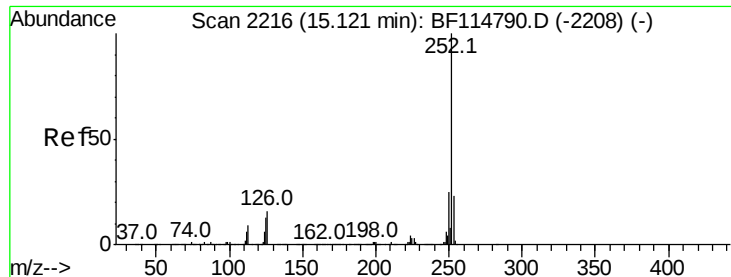
#89
Benzo(k)fluoranthene
Concen: 10.440 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.03 min
Lab File: BF114876.D
Acq: 6 Jun 2019 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.3	28.9
125	14.8	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





#90

Benzo(a)pyrene

Concen: 4.556 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

Instrument :

BNA_F

ClientSampleId :

S-7D

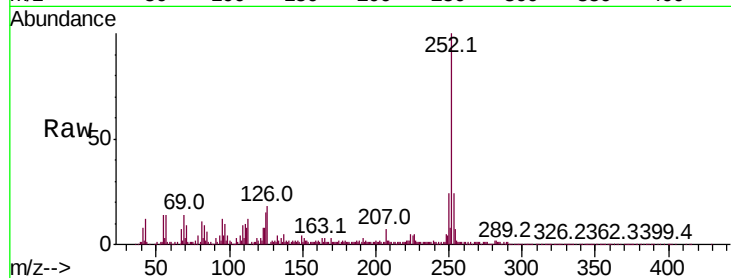
Tot Ion:252 Resp: 220613

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

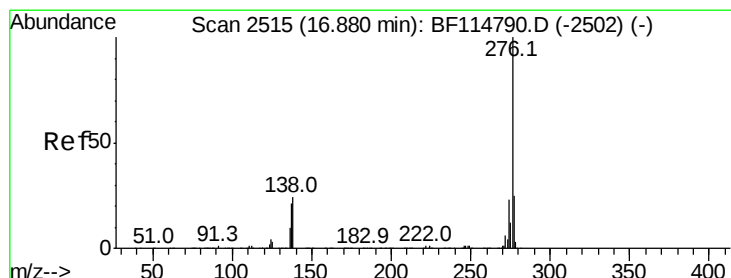
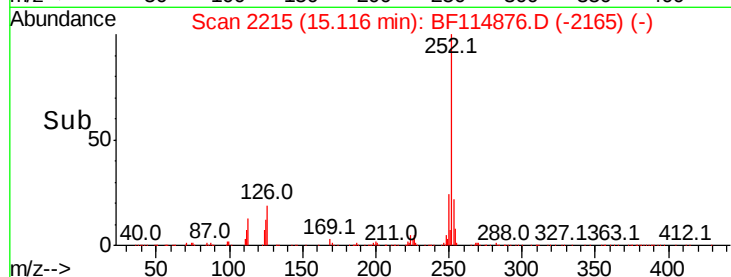
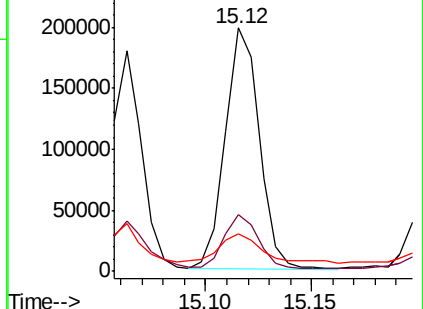
125 15.5 10.1 15.1#



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: 3.049 ng

RT: 16.87 min Scan# 2513

Delta R.T. -0.01 min

Lab File: BF114876.D

Acq: 6 Jun 2019 21:36

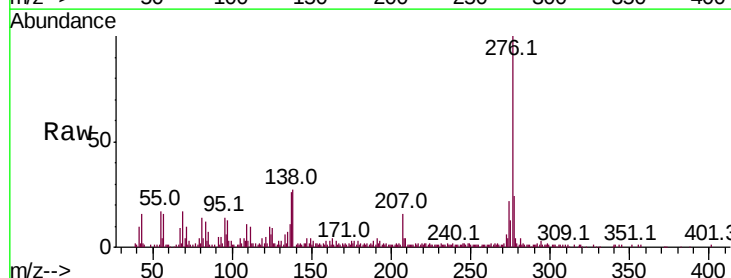
Tgt Ion:276 Resp: 140602

Ion Ratio Lower Upper

276 100

277 23.7 19.8 29.6

138 27.1 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

