

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114945.D
 Acq On : 11 Jun 2019 14:45
 Operator : HP/JU
 Sample : K3160-01RE 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jun 11 15:48:05 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	244459	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	944768	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	468994	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	859898	20.00	ng	0.00
76) Chrysene-d12	13.79	240	645626	20.00	ng	0.00
87) Perylene-d12	15.19	264	481918	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	746481	51.68	ng	0.00
7) Phenol-d6	6.30	99	937892	53.83	ng	-0.01
23) Nitrobenzene-d5	7.22	82	538759	35.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	241022	47.24	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	1112551	37.65	ng	0.00
79) Terphenyl-d14	12.74	244	1106567	34.09	ng	0.00

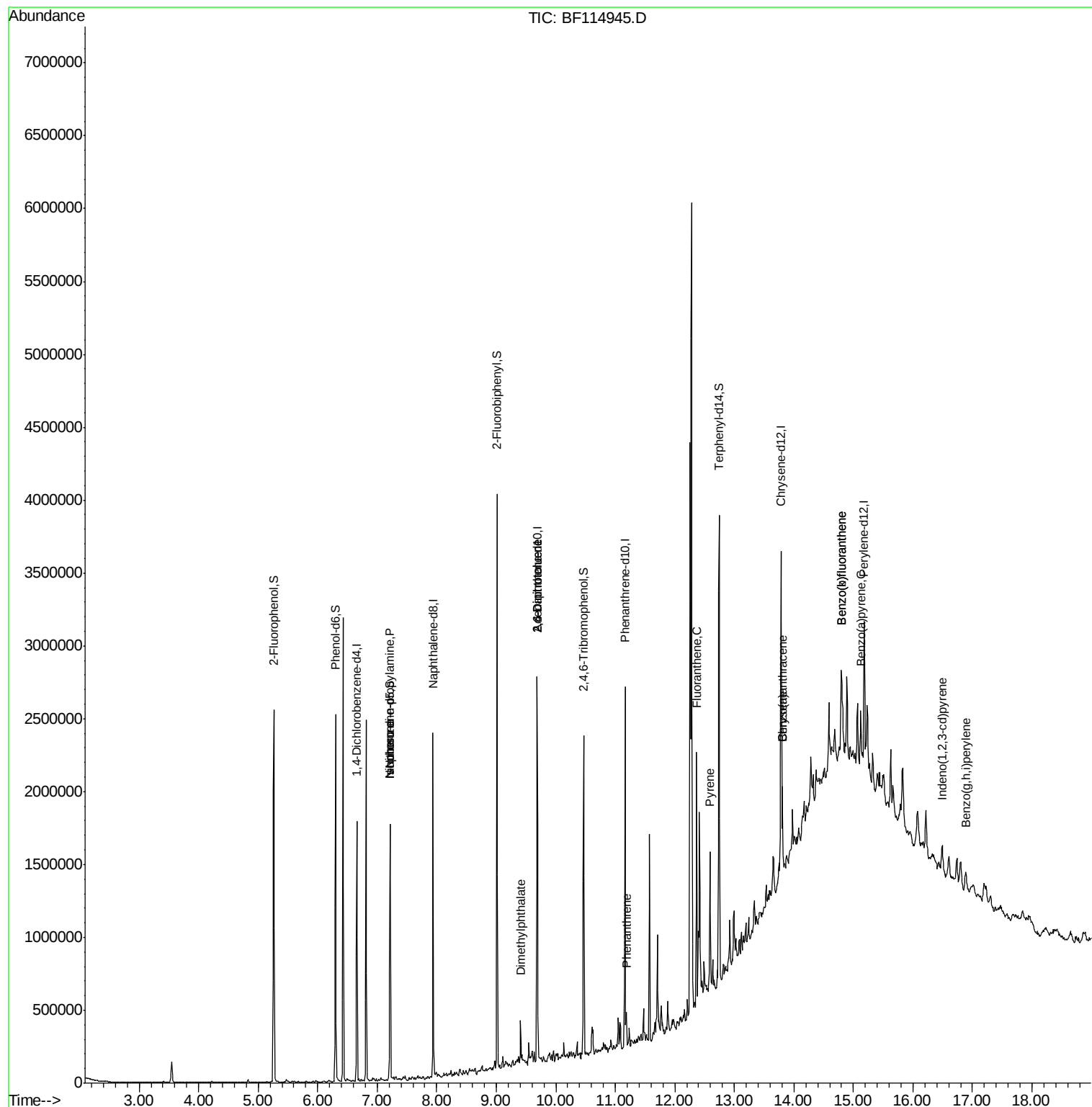
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	71995	6.608	ng	# 76
25) Isophorone	7.22	82	530172	17.607	ng	# 62
50) Dimethylphthalate	9.41	163	103743	2.943	ng	99
51) 2,6-Dinitrotoluene	9.69	165	62957	7.776	ng	# 30
57) 2,4-Dinitrotoluene	9.69	165	62957	6.152	ng	# 27
71) Phenanthrene	11.19	178	86077	2.063	ng	98
75) Fluoranthene	12.37	202	419410	9.719	ng	95
78) Pyrene	12.59	202	370884	6.596	ng	97
81) Benzo(a)anthracene	13.81	228	267256	5.598	ng	93
83) Chrysene	13.81	228	267256	5.575	ng	97
86) Indeno(1,2,3-cd)pyrene	16.49	276	101640	2.255	ng	96
88) Benzo(b)fluoranthene	14.80	252	390577	12.449	ng	# 85
89) Benzo(k)fluoranthene	14.80	252	390577	14.345	ng	# 85
90) Benzo(a)pyrene	15.12	252	177065	6.498	ng	# 86
92) Benzo(a,h,i)perylene	16.89	276	97994	4.271	ng	93

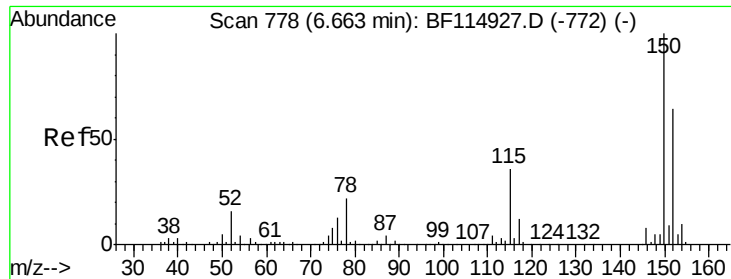
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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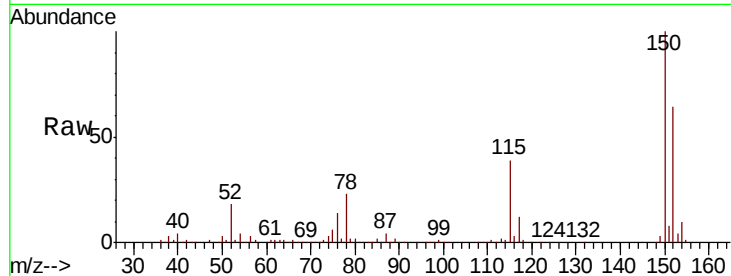


#1

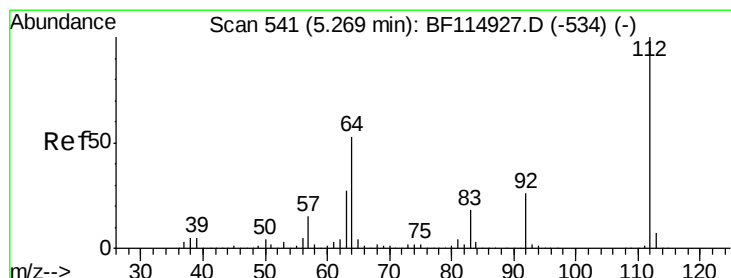
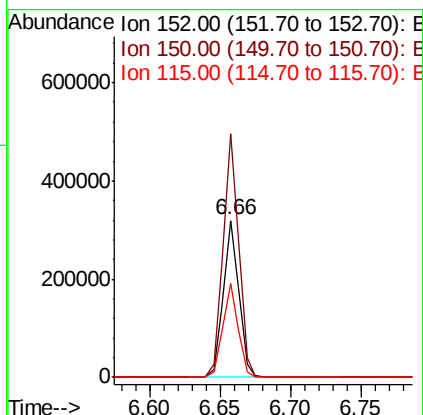
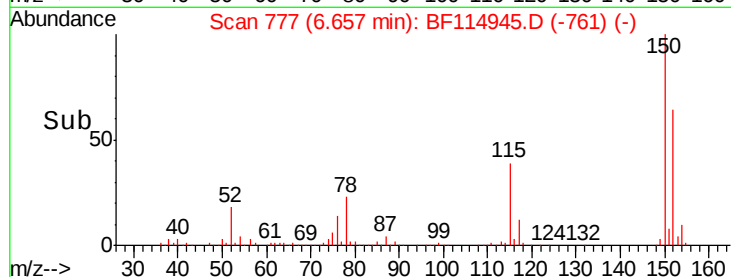
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion:152 Resp: 244459
Ion Ratio Lower Upper
152 100
150 155.5 125.2 187.8
115 60.2 45.0 67.4



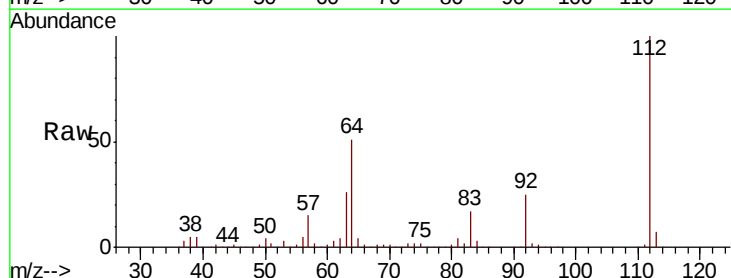
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



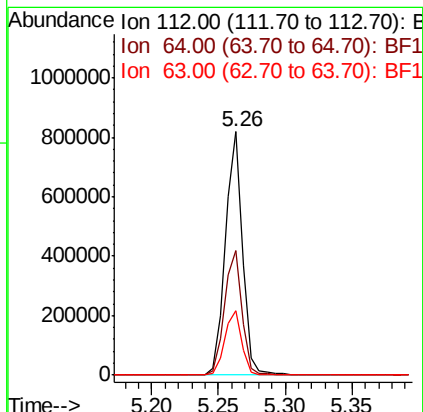
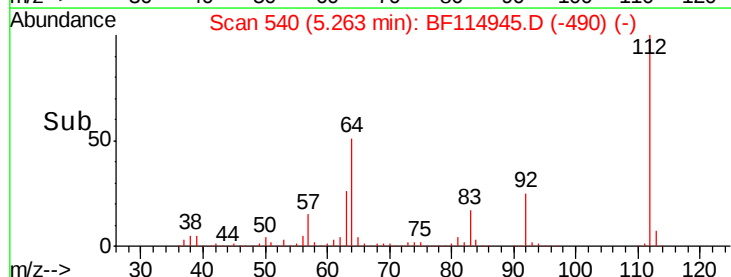
#5

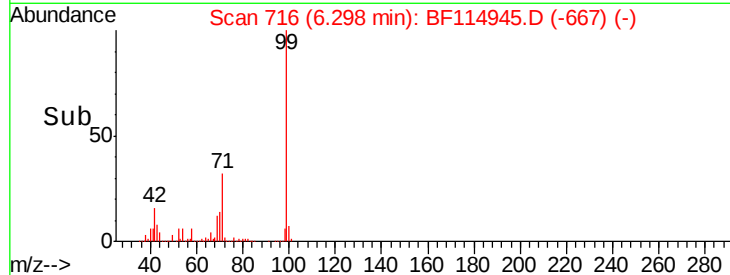
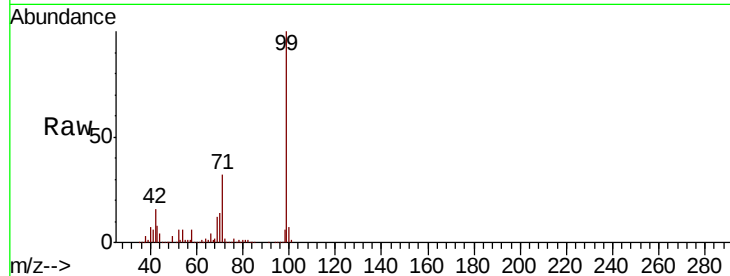
2-Fluorophenol
Concen: 51.680 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion:112 Resp: 746481
Ion Ratio Lower Upper
112 100
64 51.0 42.1 63.1
63 26.2 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: 53.832 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

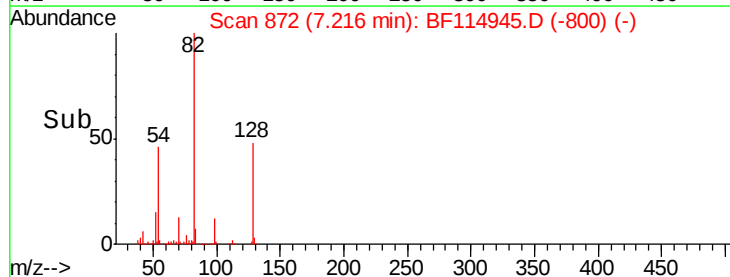
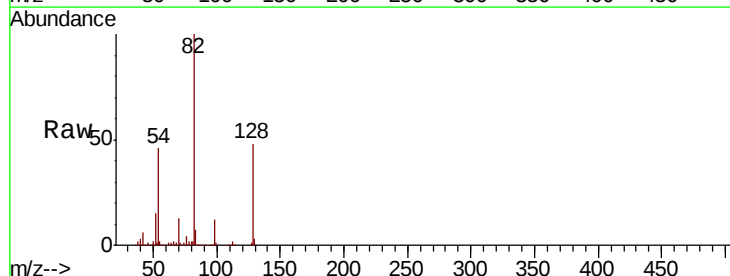
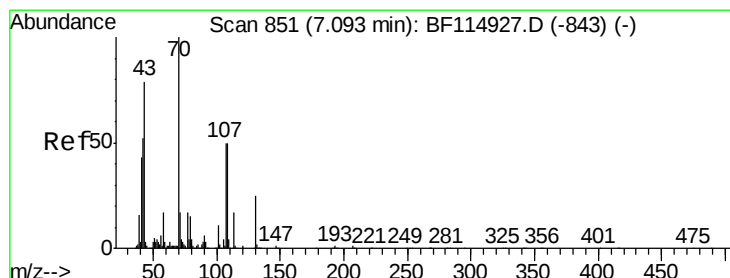
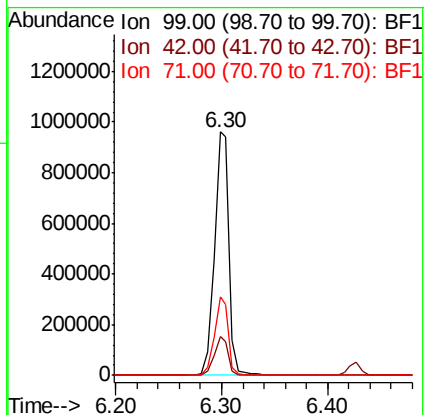
Tot Ion: 99 Resp: 937892

Ion Ratio Lower Upper

99 100

42 16.1 13.1 19.7

71 32.0 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 6.608 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.12 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Tgt Ion: 70 Resp: 71995

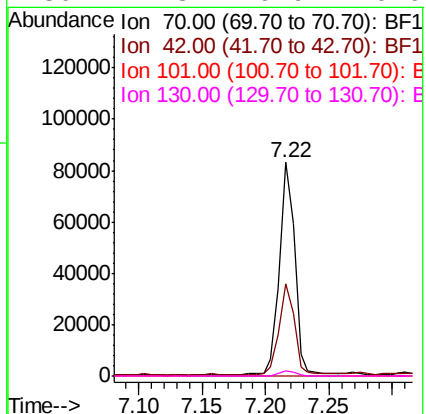
Ion Ratio Lower Upper

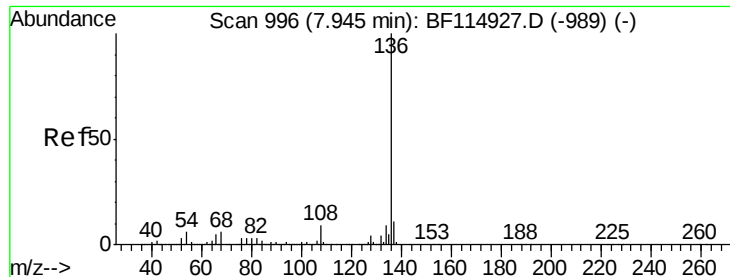
70 100

42 43.3 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: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

Tot Ion:136 Resp: 944768

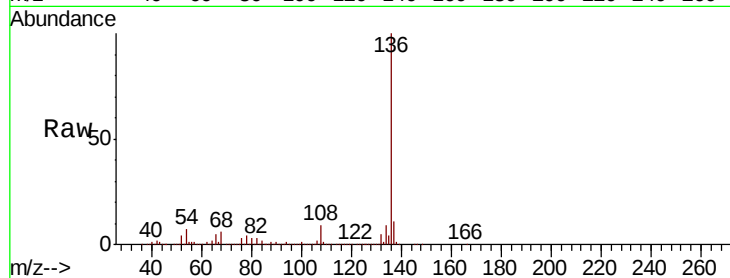
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 7.0 5.2 7.8

68 6.2 4.6 7.0

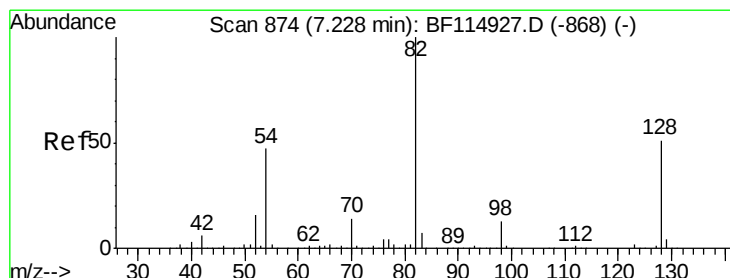
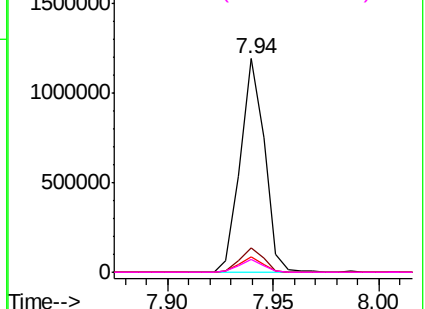
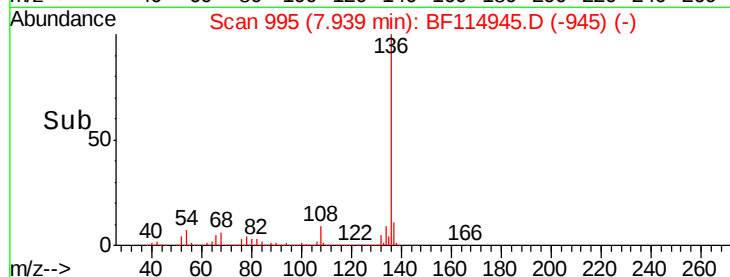


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.038 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

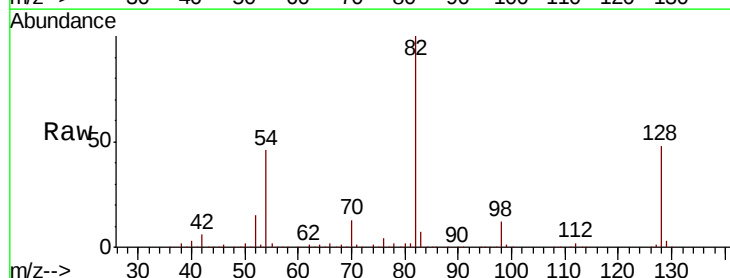
Tgt Ion: 82 Resp: 538759

Ion Ratio Lower Upper

82 100

128 47.9 40.9 61.3

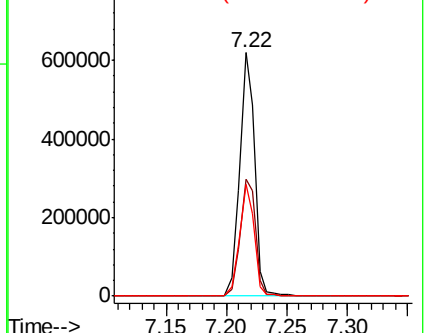
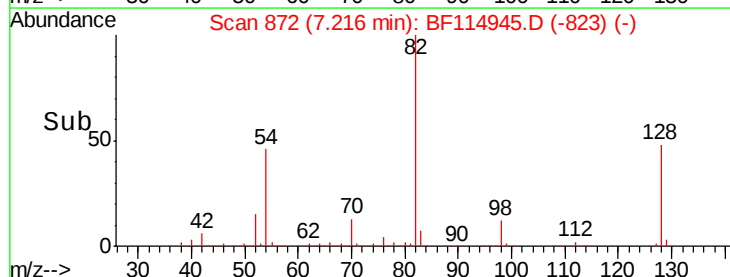
54 46.0 37.4 56.0

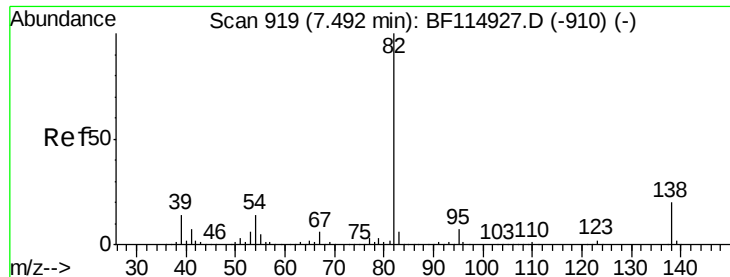


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.607 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.28 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

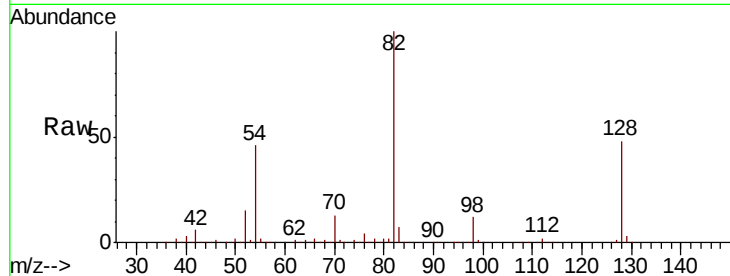
Tot Ion: 82 Resp: 530172

Ion Ratio Lower Upper

82 100

95 0.2 5.7 8.5#

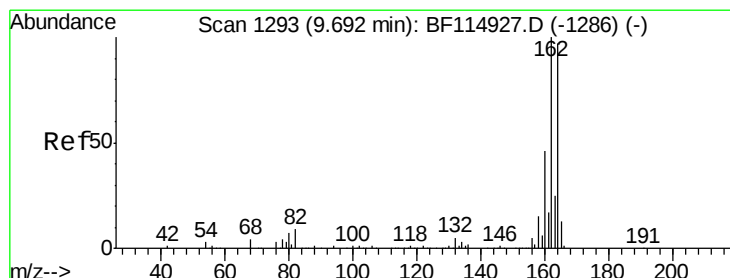
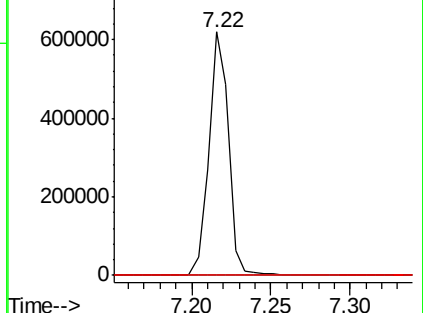
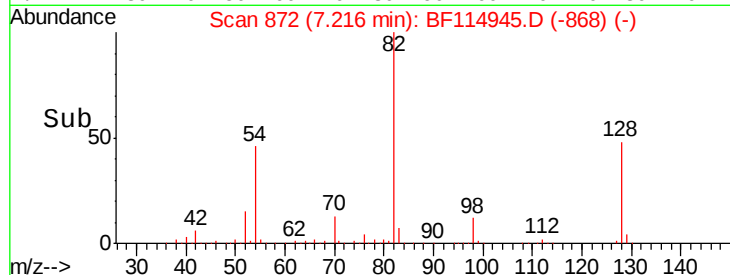
138 0.0 16.4 24.6#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

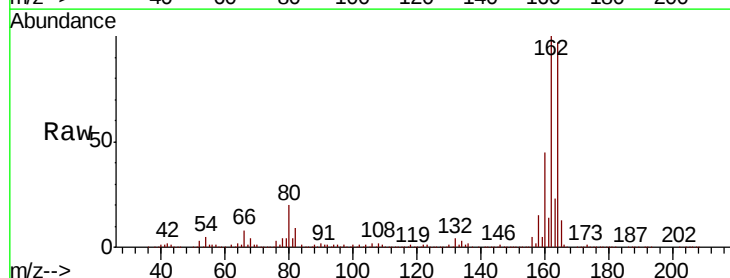
Tgt Ion: 164 Resp: 468994

Ion Ratio Lower Upper

164 100

162 103.1 82.4 123.6

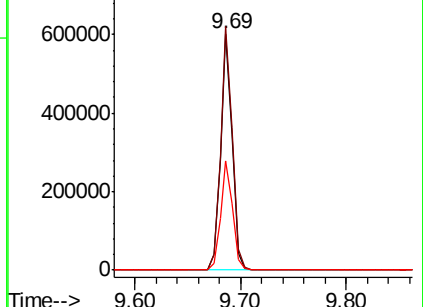
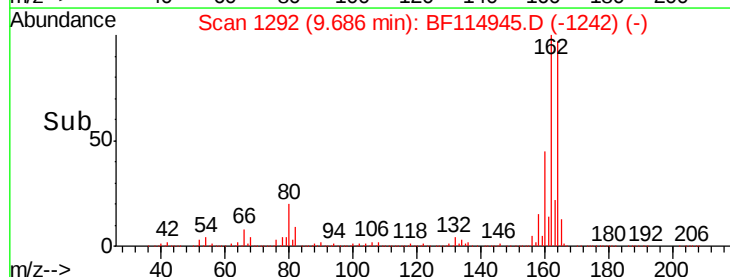
160 46.2 37.5 56.3

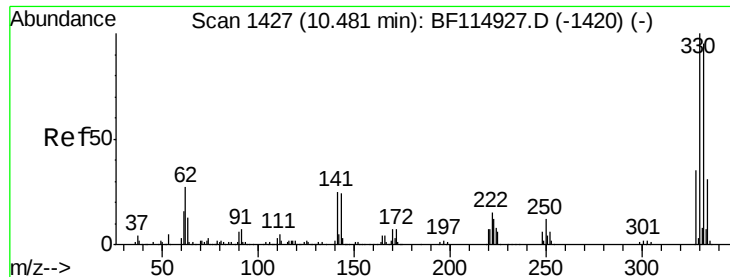


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

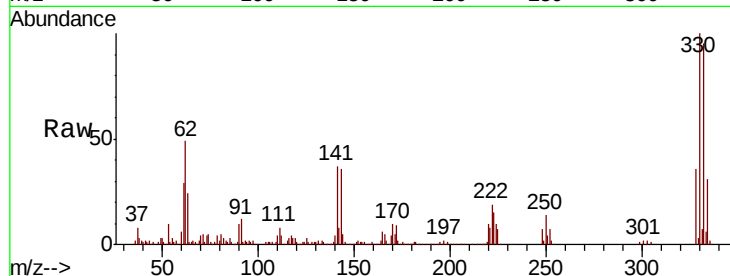




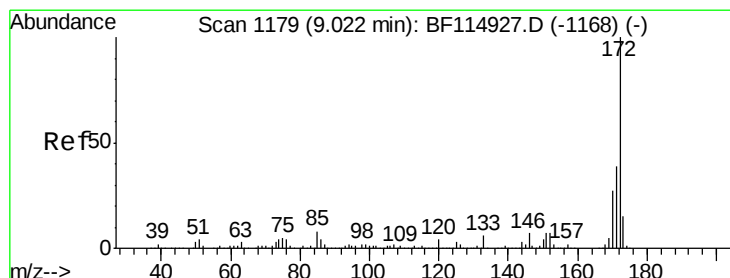
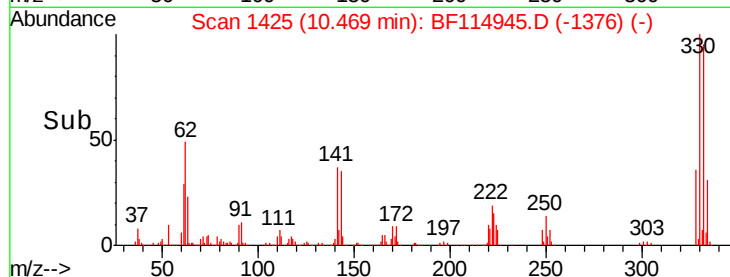
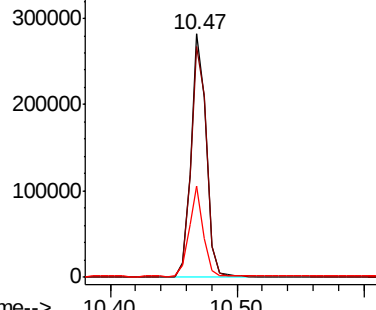
#42
 2,4,6-Tribromophenol
 Concen: 47.243 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

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

Tot Ion:330 Resp: 241022
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.4 114.6
 141 34.2 26.8 40.2

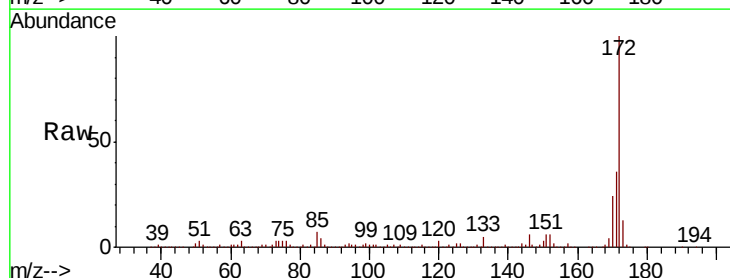


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

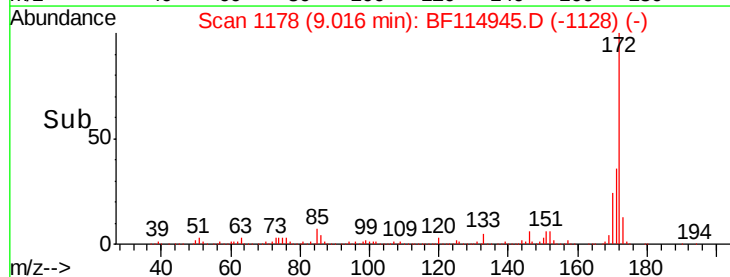
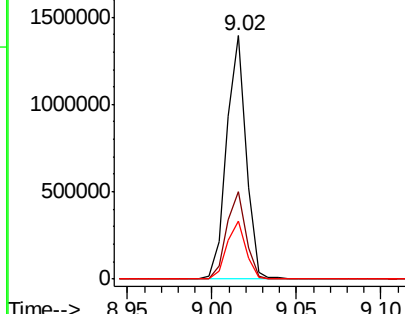


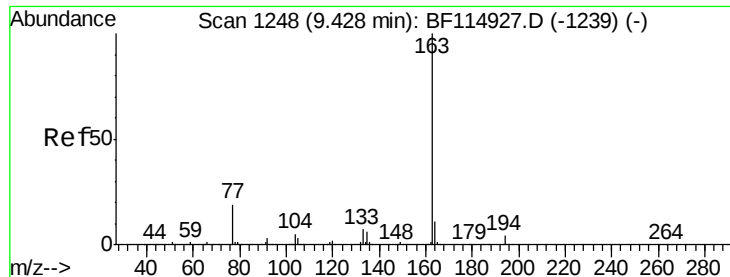
#45
 2-Fluorobiphenyl
 Concen: 37.649 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

Tgt Ion:172 Resp: 1112551
 Ion Ratio Lower Upper
 172 100
 171 35.9 31.3 46.9
 170 23.7 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

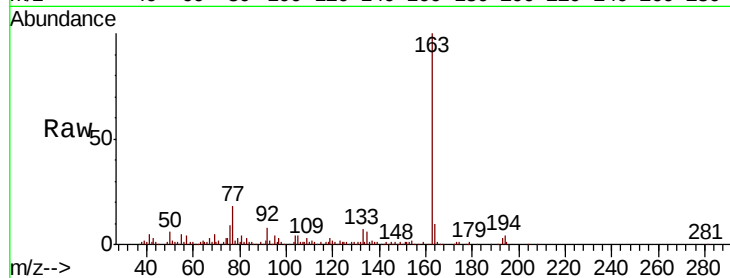




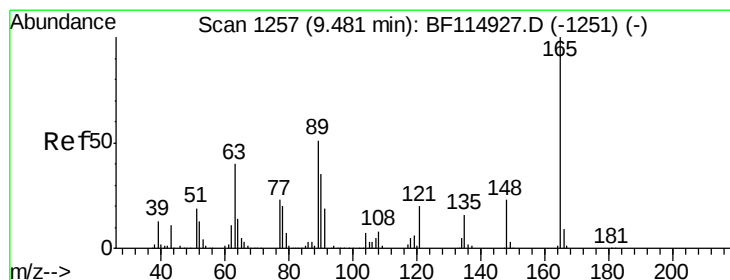
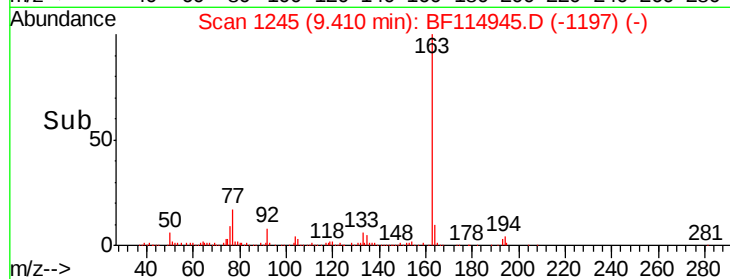
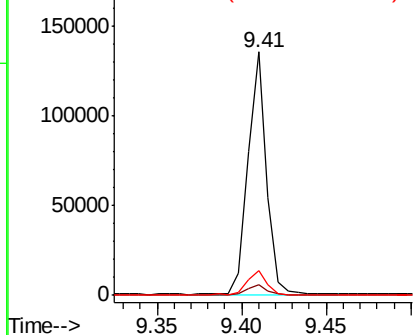
#50
Dimethylphthalate
Concen: 2.943 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion:163 Resp: 103743
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.0
164 10.2 8.7 13.1

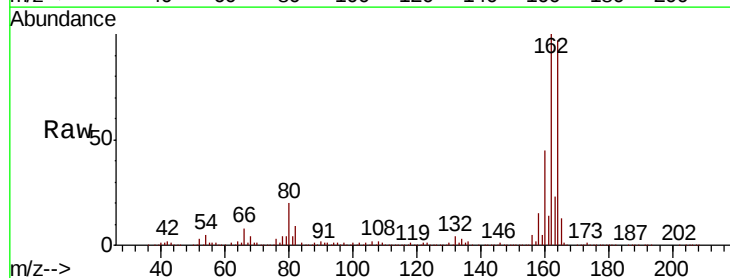


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

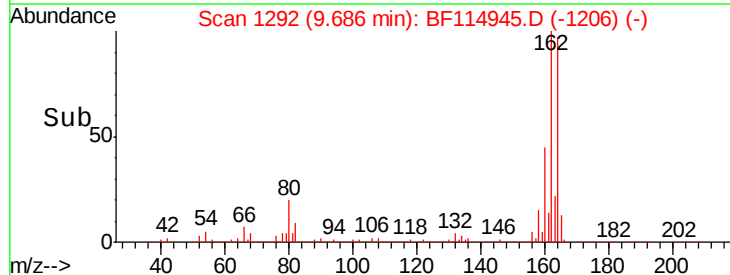
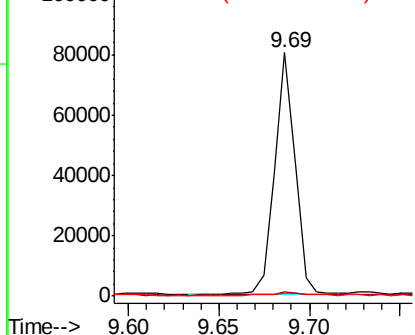


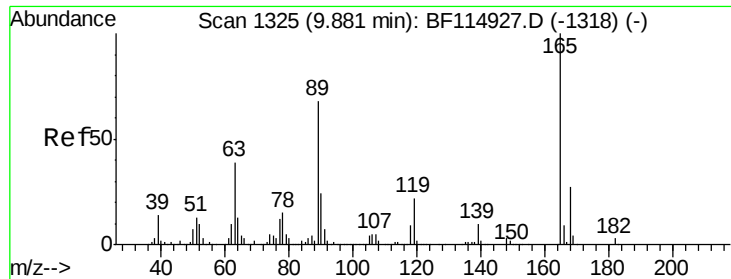
#51
2,6-Dinitrotoluene
Concen: 7.776 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.21 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion:165 Resp: 62957
Ion Ratio Lower Upper
165 100
63 1.6 38.3 57.5#
89 1.4 40.8 61.2#



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

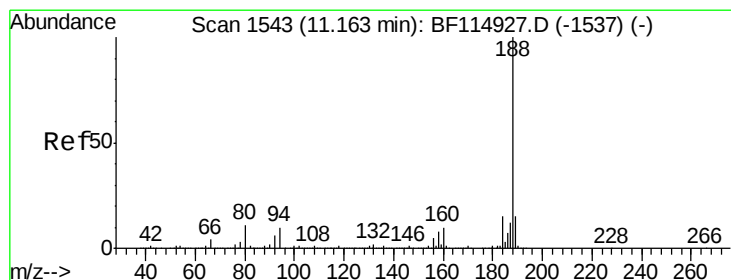
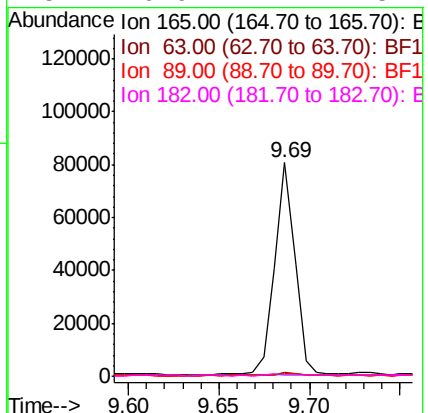
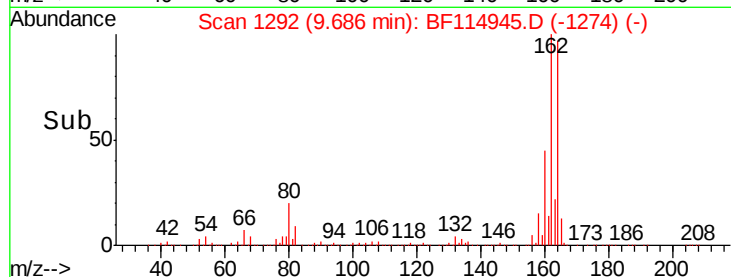
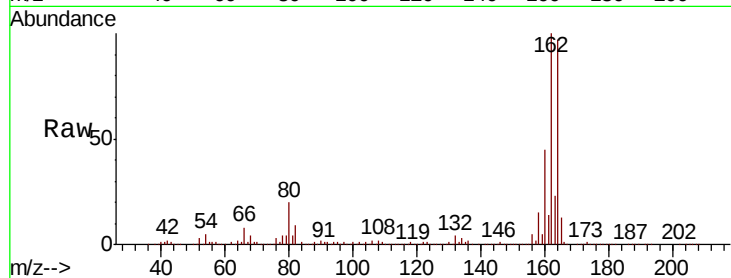




#57
2,4-Dinitrotoluene
Concen: 6.152 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.19 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

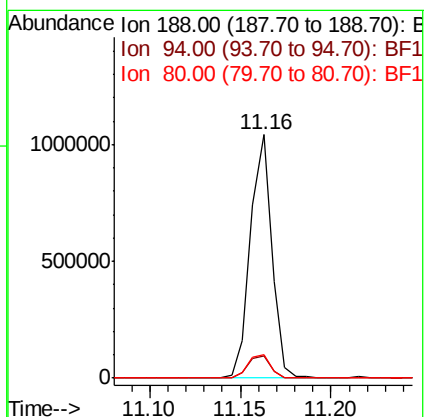
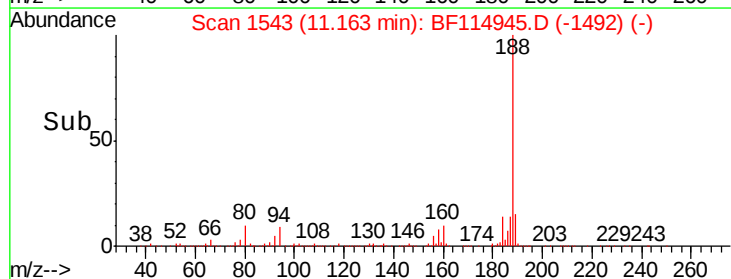
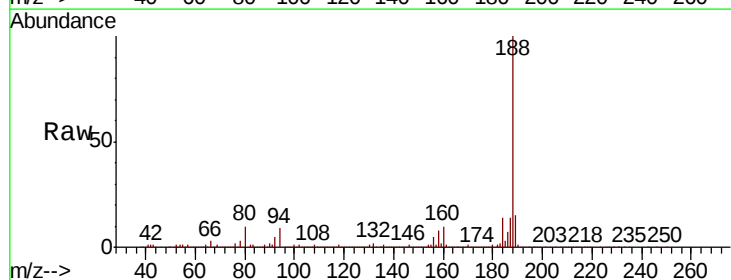
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-A

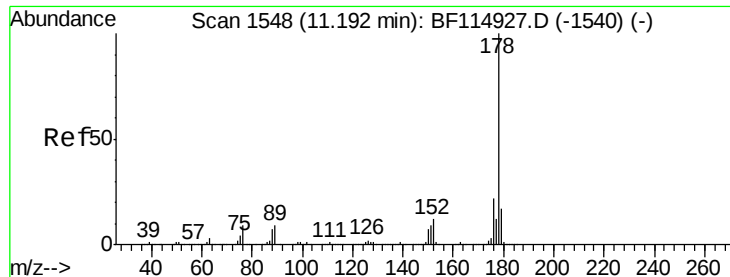
Tot Ion:165 Resp: 62957
Ion Ratio Lower Upper
165 100
63 1.6 31.8 47.6#
89 1.4 54.2 81.2#
182 0.9 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion:188 Resp: 859898
Ion Ratio Lower Upper
188 100
94 9.1 8.1 12.1
80 9.7 8.6 12.8





#71

Phenanthrene

Concen: 2.063 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

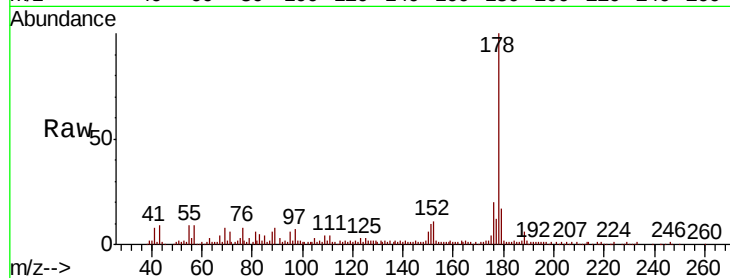
Tot Ion:178 Resp: 86077

Ion Ratio Lower Upper

178 100

176 20.5 17.4 26.2

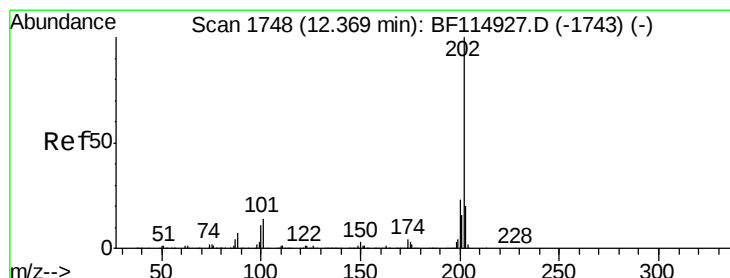
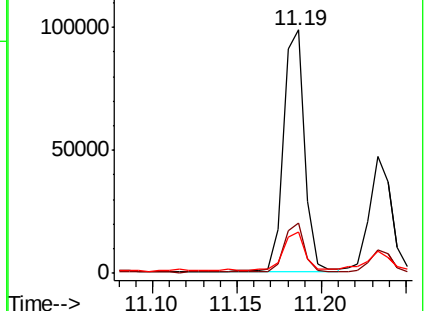
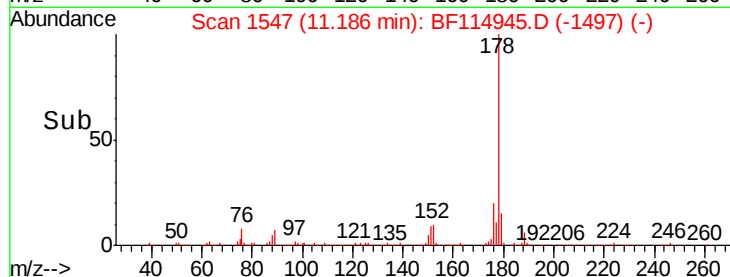
179 16.8 13.6 20.4



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



#75

Fluoranthene

Concen: 9.719 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

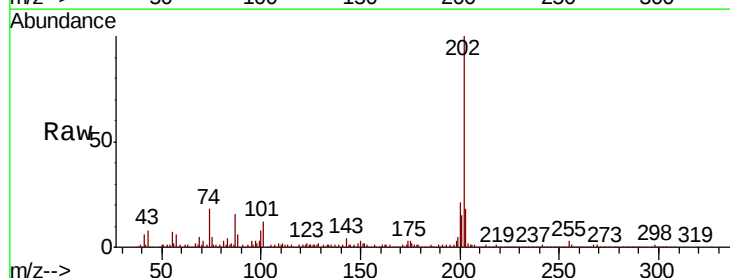
Tgt Ion:202 Resp: 419410

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.3

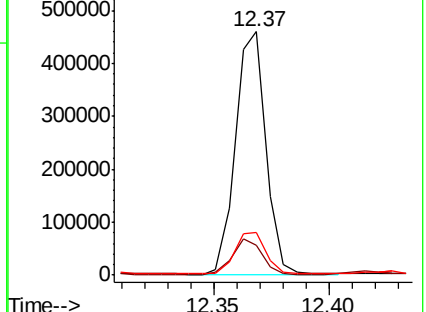
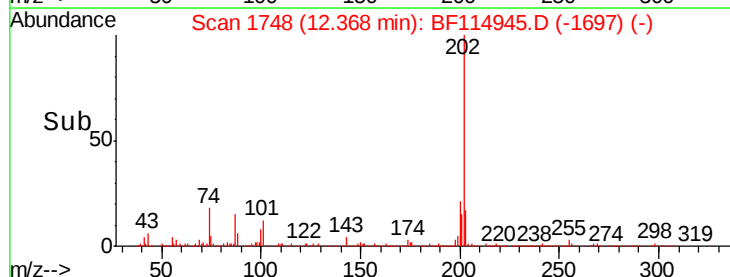
203 17.6 0.0 39.6

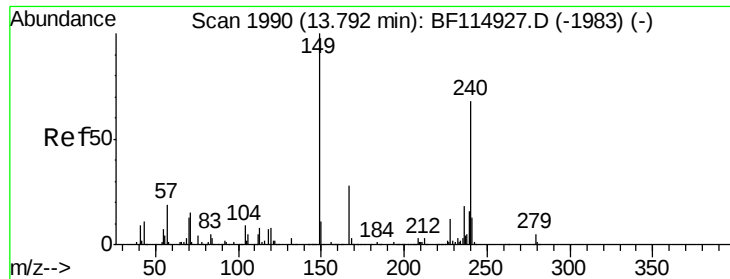


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

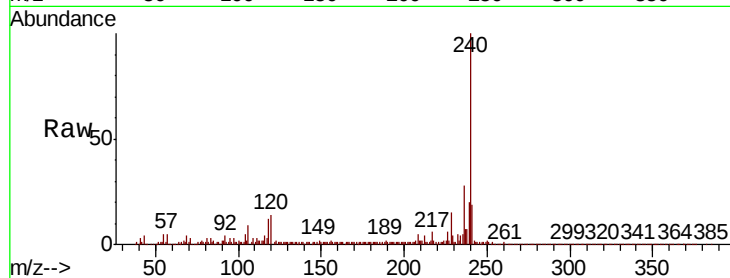




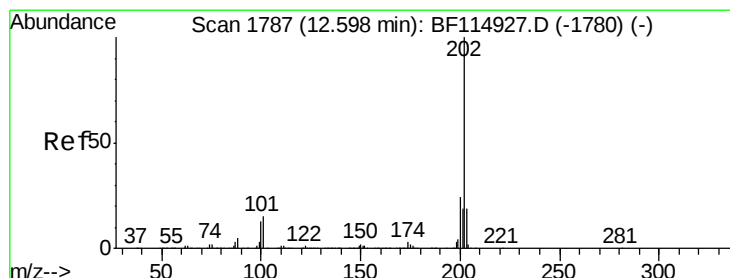
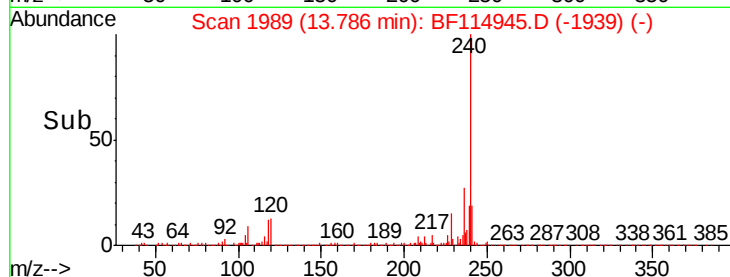
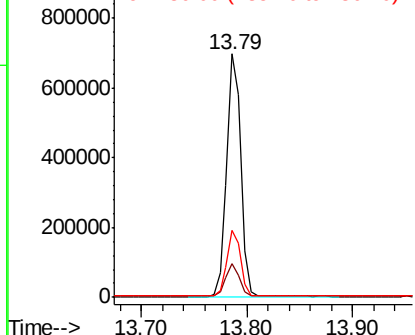
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

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

Tot Ion:240 Resp: 645626
Ion Ratio Lower Upper
240 100
120 13.8 9.2 13.8
236 27.7 21.7 32.5

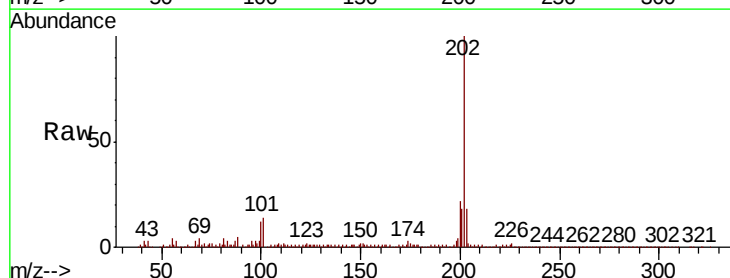


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

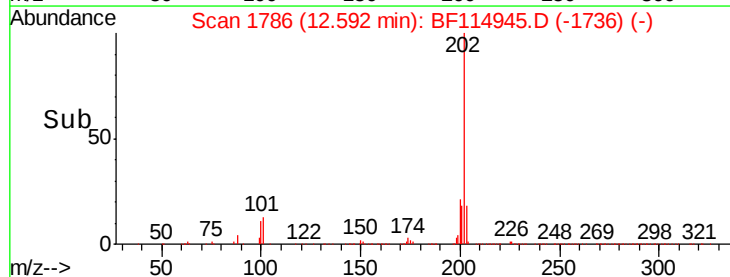
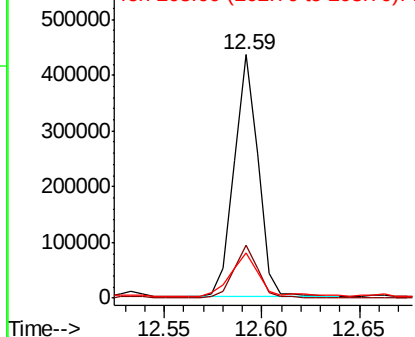


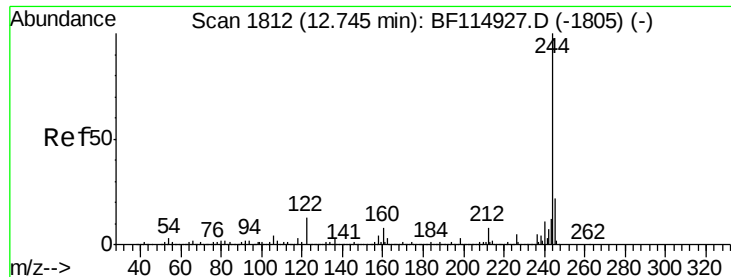
#78
Pyrene
Concen: 6.596 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion:202 Resp: 370884
Ion Ratio Lower Upper
202 100
200 21.5 18.9 28.3
203 18.5 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: 34.085 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

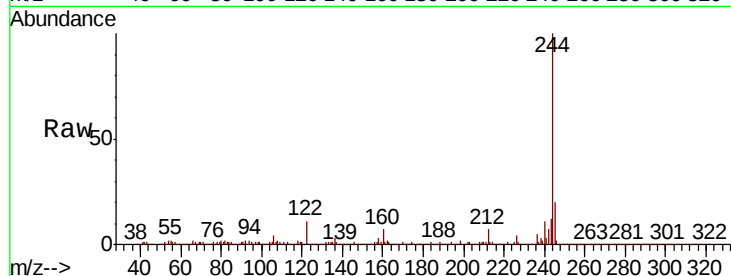
Tot Ion:244 Resp: 1106567

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

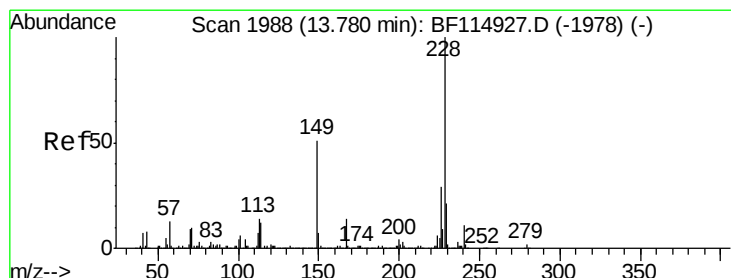
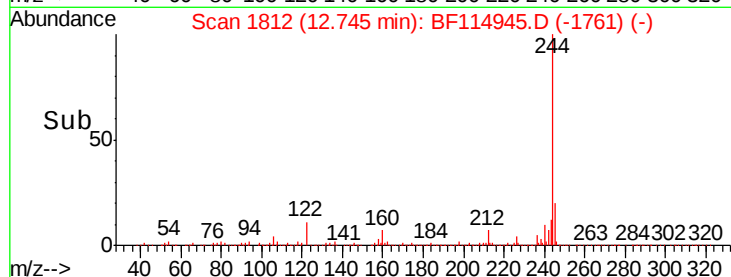
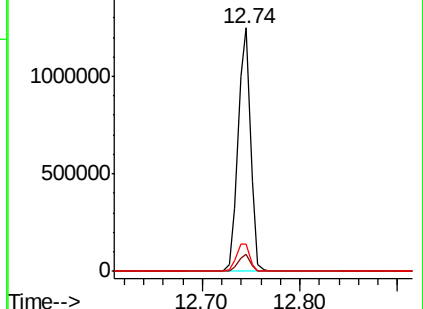
122 11.3 10.2 15.4



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: 5.598 ng

RT: 13.81 min Scan# 1993

Delta R.T. 0.03 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

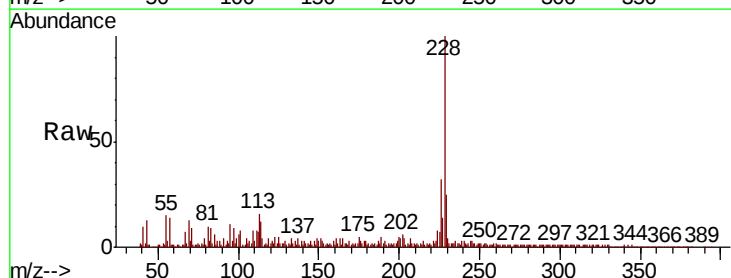
Tgt Ion:228 Resp: 267256

Ion Ratio Lower Upper

228 100

226 31.6 22.8 34.2

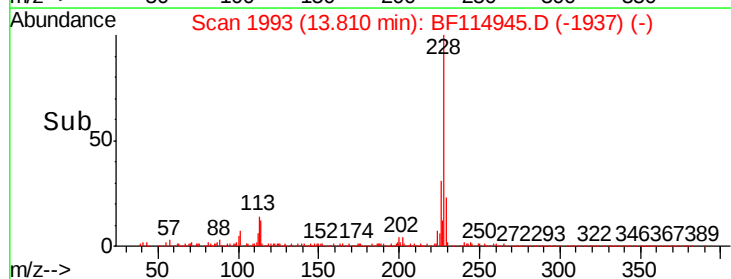
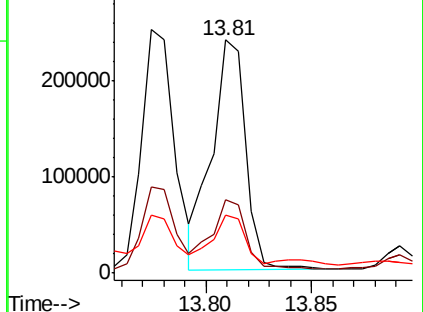
229 24.7 16.6 25.0

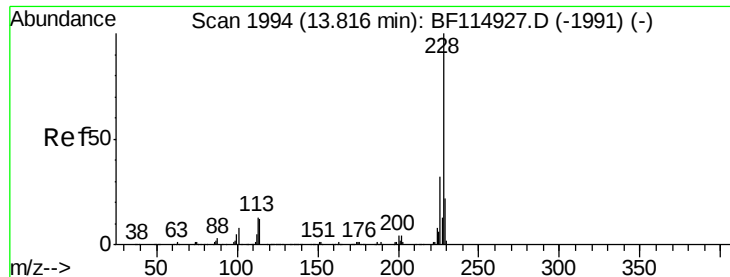


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.575 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

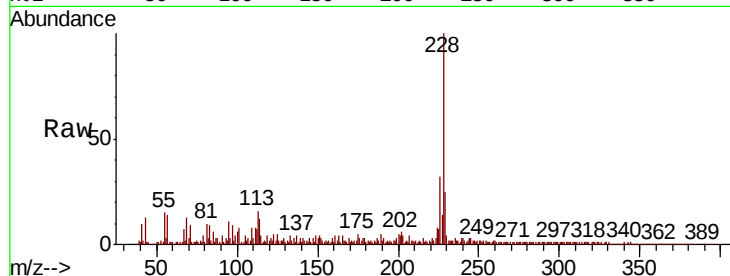
Tot Ion:228 Resp: 267256

Ion Ratio Lower Upper

228 100

226 31.6 25.8 38.8

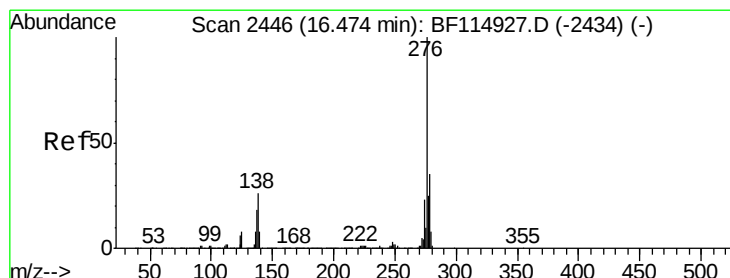
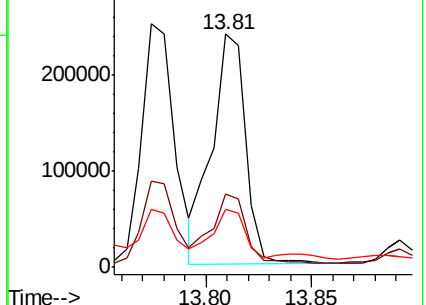
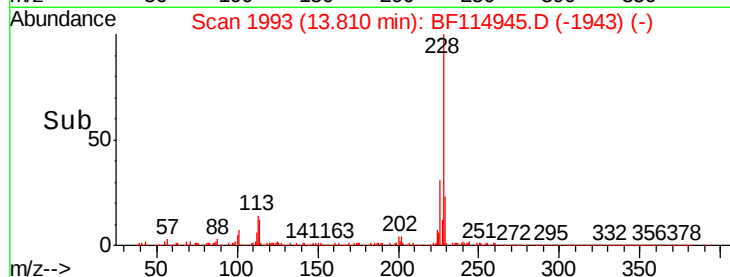
229 24.7 17.2 25.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.255 ng

RT: 16.49 min Scan# 2449

Delta R.T. 0.02 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

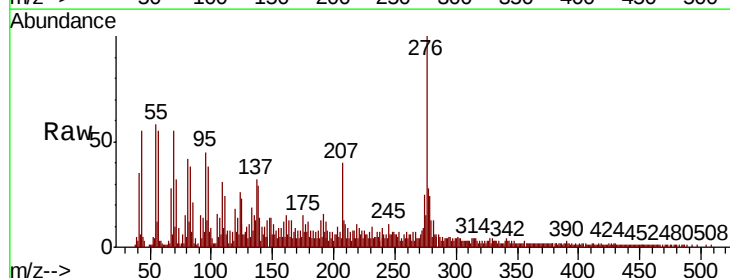
Tgt Ion:276 Resp: 101640

Ion Ratio Lower Upper

276 100

138 26.3 23.3 34.9

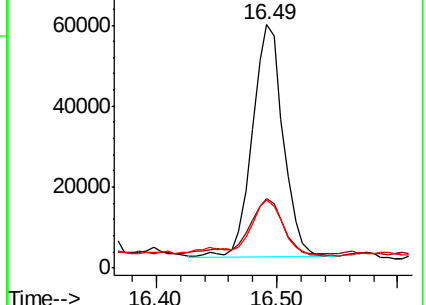
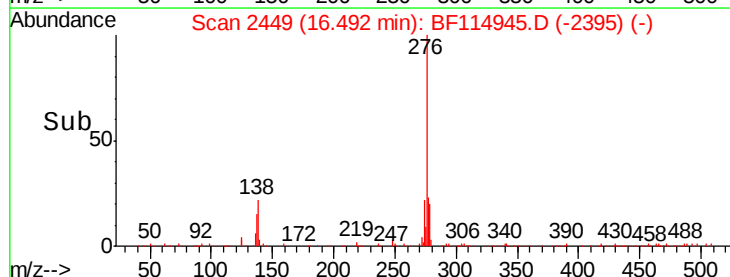
277 24.2 20.5 30.7

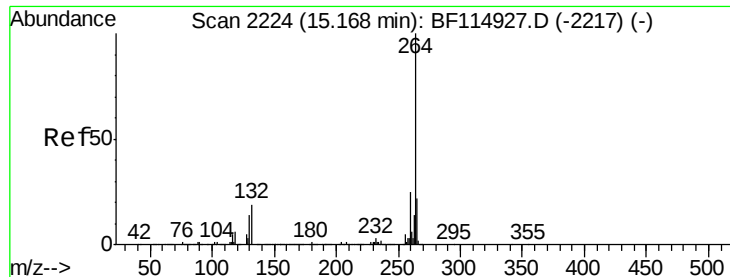


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.02 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

Instrument :

BNA_F

ClientSampleId :

EO-02-060619-A

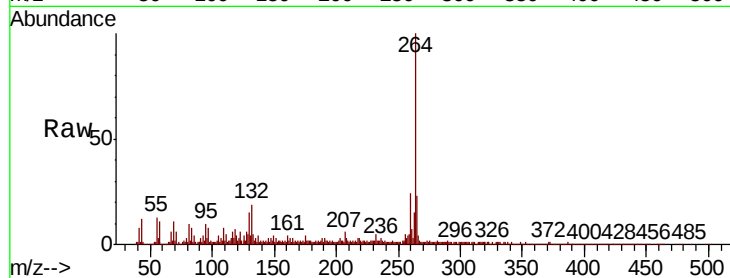
Tot Ion:264 Resp: 481918

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

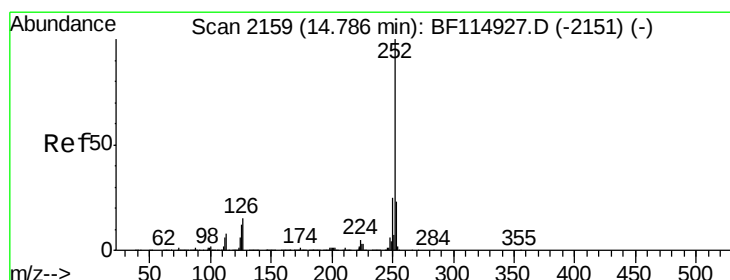
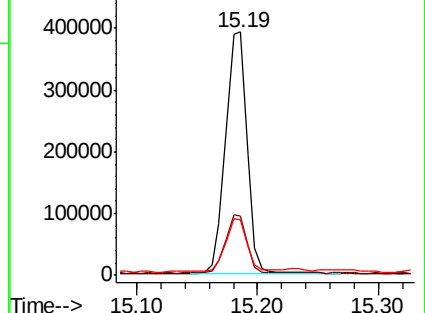
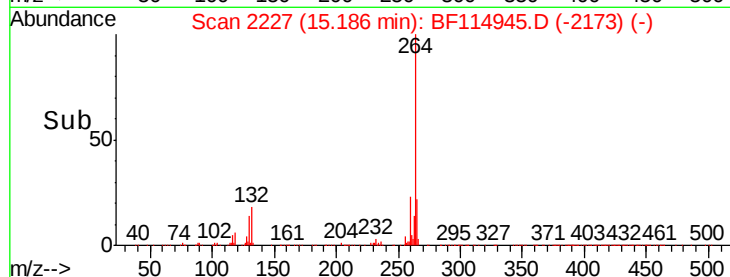
265 22.9 17.5 26.3



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: 12.449 ng

RT: 14.80 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BF114945.D

Acq: 11 Jun 2019 14:45

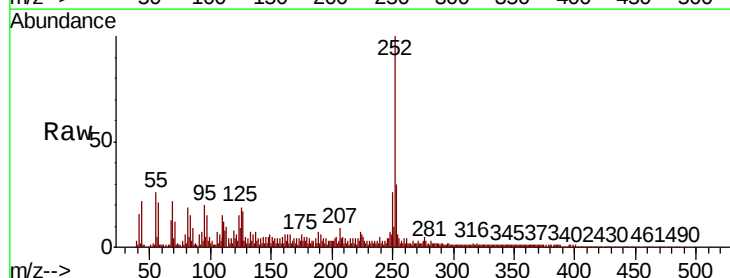
Tgt Ion:252 Resp: 390577

Ion Ratio Lower Upper

252 100

253 29.9 18.6 28.0#

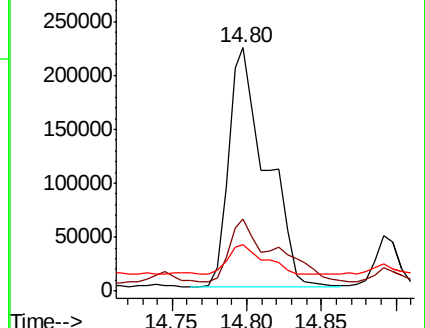
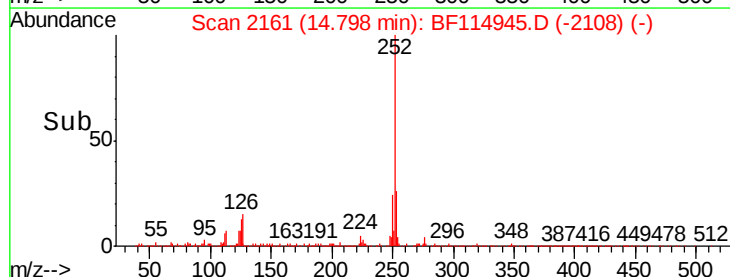
125 19.0 9.5 14.3#

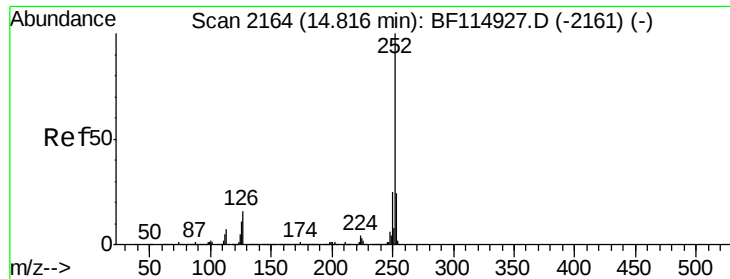


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

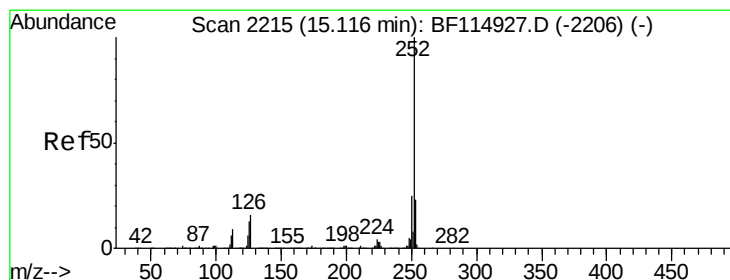
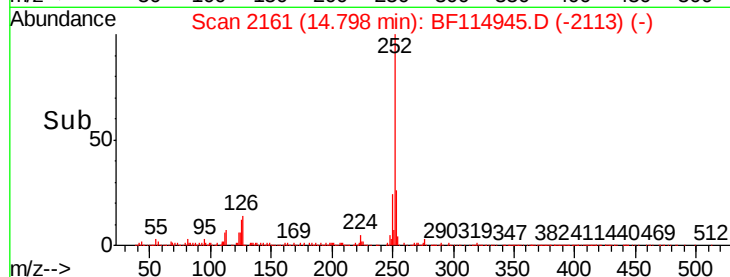
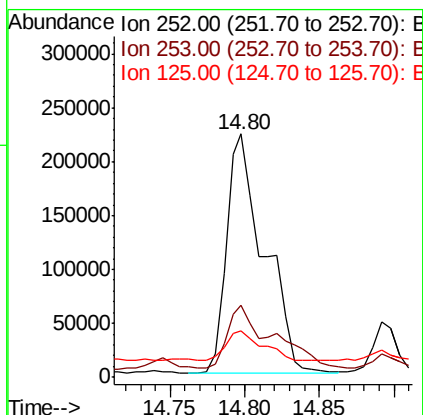
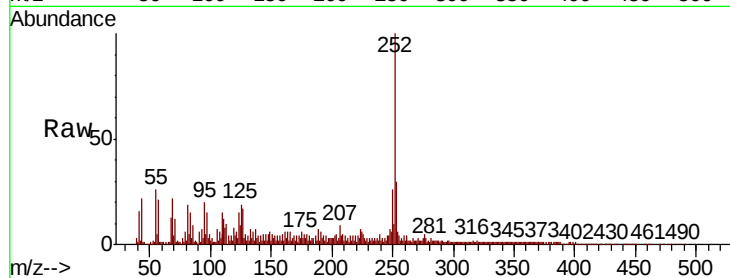




#89
Benzo(k)fluoranthene
Concen: 14.345 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

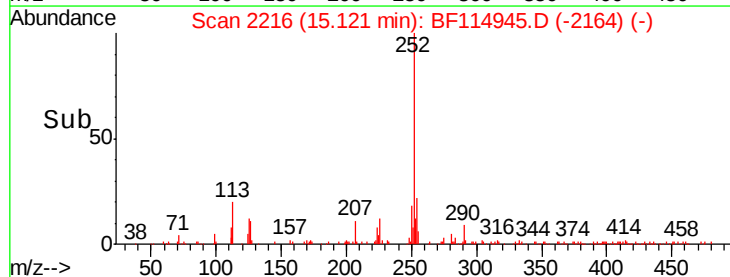
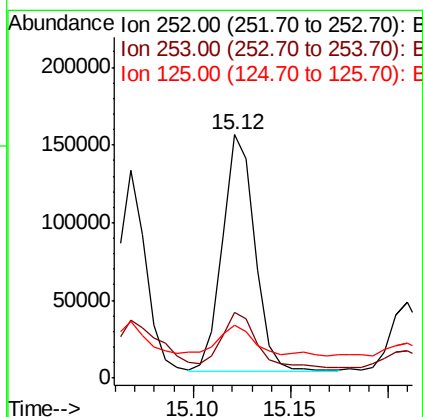
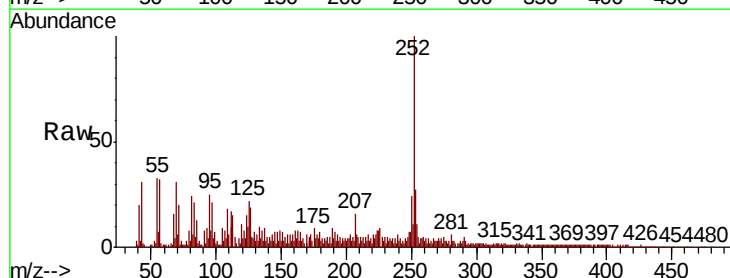
Instrument :
BNA_F
ClientSampleId :
EO-02-060619-A

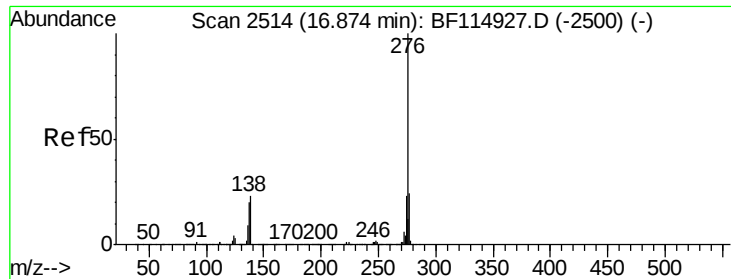
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.6	28.0#
125	19.0	9.2	13.8#



#90
Benzo(a)pyrene
Concen: 6.498 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF114945.D
Acq: 11 Jun 2019 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.2	27.2
125	21.7	10.1	15.1#





#92
 Benzo(a,h,i)perylene
 Concen: 4.271 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. 0.01 min
 Lab File: BF114945.D
 Acq: 11 Jun 2019 14:45

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

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.7	19.0	28.6	
138	27.3	18.7	28.1	

