

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115959.D
 Acq On : 2 Aug 2019 20:57
 Operator : HP/JU
 Sample : K4129-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-E1-E4-(0-1)COMP

Quant Time: Aug 02 23:45:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119669	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	461956	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	253236	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	459529	20.00	ng	0.00
76) Chrysene-d12	14.03	240	351170	20.00	ng	0.00
87) Perylene-d12	15.49	264	368918	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	616692	86.27	ng	0.00
7) Phenol-d6	6.48	99	814632	90.32	ng	0.00
23) Nitrobenzene-d5	7.41	82	513111	64.12	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	216803	88.30	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	909670	67.28	ng	0.00
79) Terphenyl-d14	12.97	244	1064111	63.85	ng	0.00

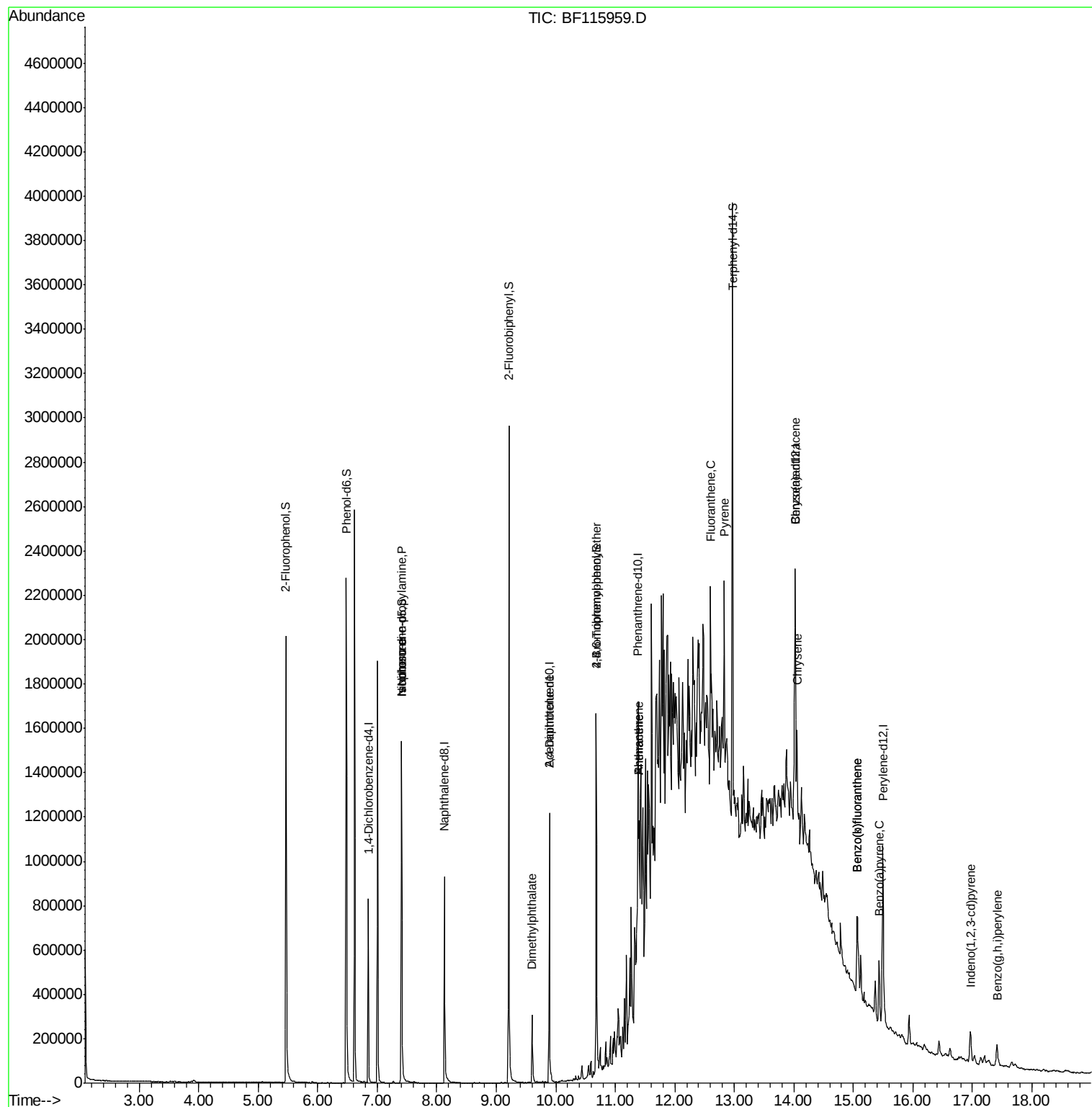
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	67950	12.158	ng	# 78
25) Isophorone	7.41	82	513108	33.530	ng	# 66
50) Dimethylphthalate	9.60	163	142701	8.276	ng	100
57) 2,4-Dinitrotoluene	9.89	165	32457	6.506	ng	# 24
67) 4-Bromophenyl-phenylether	10.68	248	13171	2.677	ng	# 1
71) Phenanthrene	11.40	178	149587	6.368	ng	99
72) Anthracene	11.40	178	149587	6.292	ng	98
75) Fluoranthene	12.60	202	384283	15.625	ng	91
78) Pyrene	12.83	202	336367	12.707	ng	# 89
81) Benzo(a)anthracene	14.02	228	180541	8.044	ng	98
83) Chrysene	14.05	228	147486	6.768	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	87602	4.786	ng	97
88) Benzo(b)fluoranthene	15.06	252	251574	11.794	ng	# 96
89) Benzo(k)fluoranthene	15.06	252	251574	12.108	ng	97
90) Benzo(a)pyrene	15.43	252	134460	7.051	ng	99
92) Benzo(g,h,i)perylene	17.42	276	84323	5.202	ng	98

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

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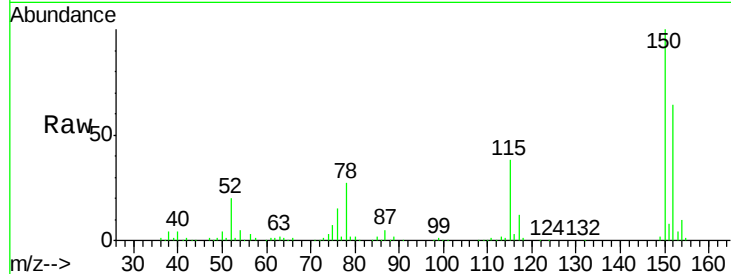


#1

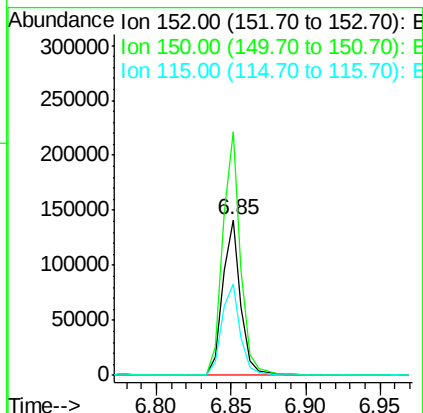
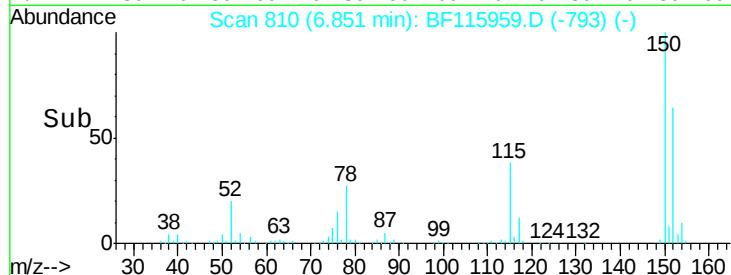
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(0-1)COMP

Tot Ion:152 Resp: 119669
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.0
115 58.9 51.8 77.8



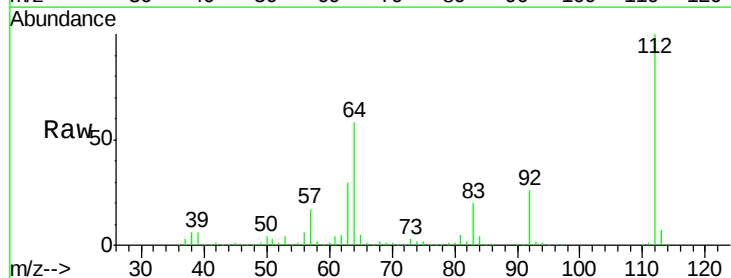
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



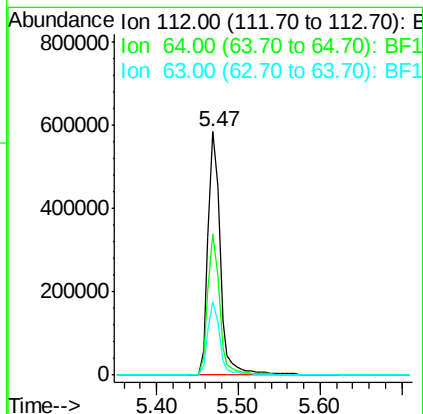
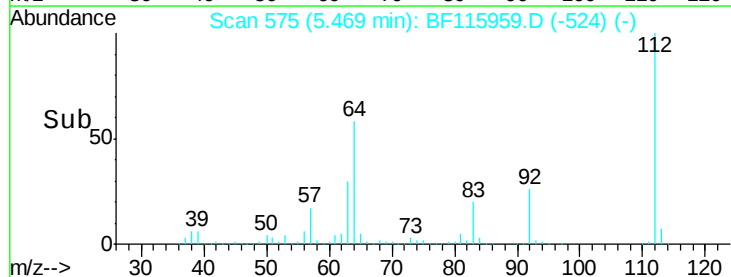
#5

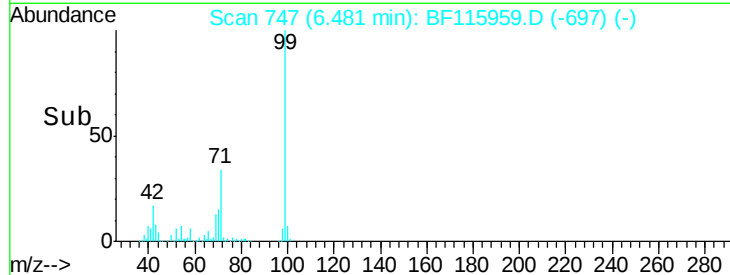
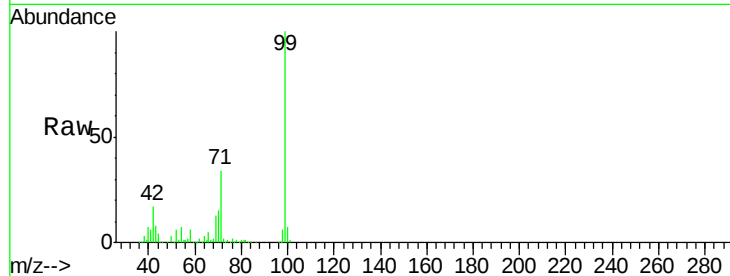
2-Fluorophenol
Concen: 86.270 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Tgt Ion:112 Resp: 616692
Ion Ratio Lower Upper
112 100
64 58.0 46.8 70.2
63 30.1 24.2 36.2



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: 90.324 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(0-1)COMP

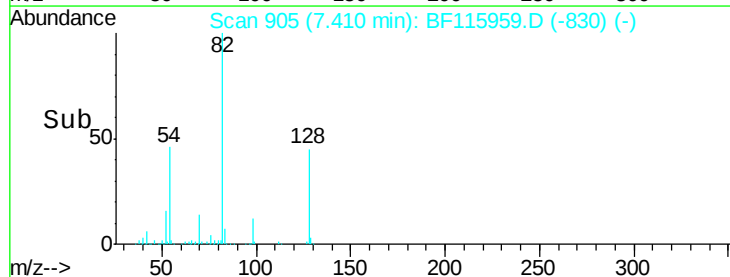
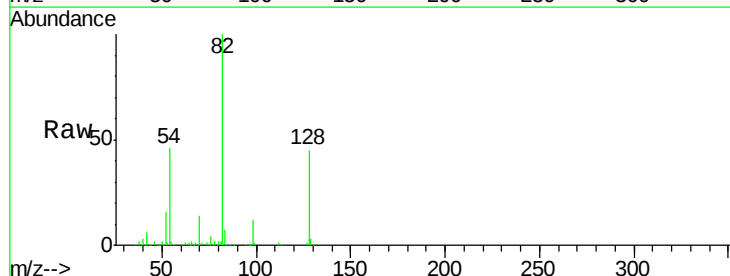
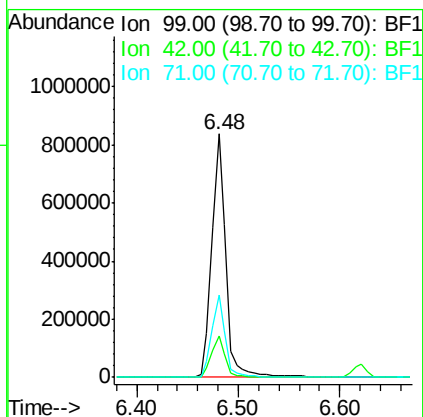
Tot Ion: 99 Resp: 814632

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

71 33.7 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.158 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Tgt Ion: 70 Resp: 67950

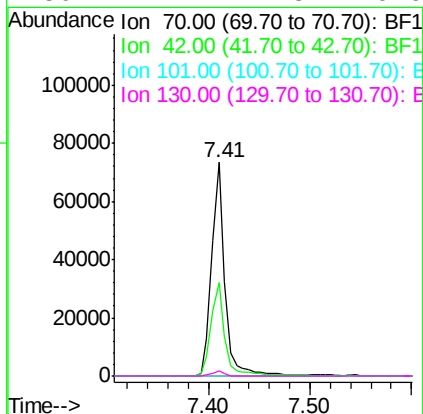
Ion Ratio Lower Upper

70 100

42 43.5 41.8 62.8

101 0.0 7.7 11.5#

130 2.2 17.8 26.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(0-1)COMP

Tot Ion:136 Resp: 461956

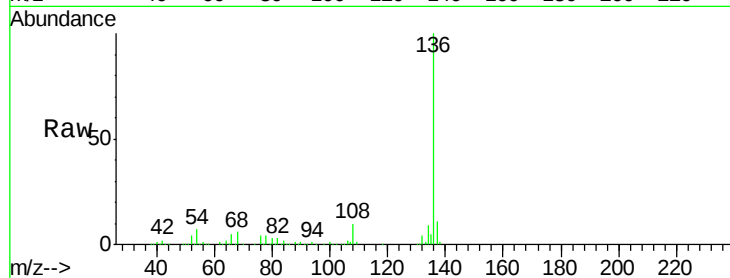
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.7 6.1 9.1

68 5.6 5.4 8.2

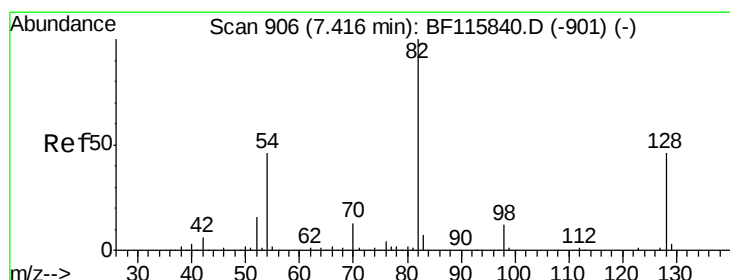
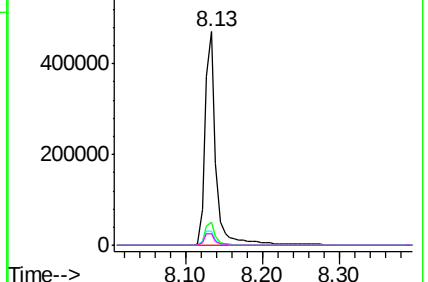
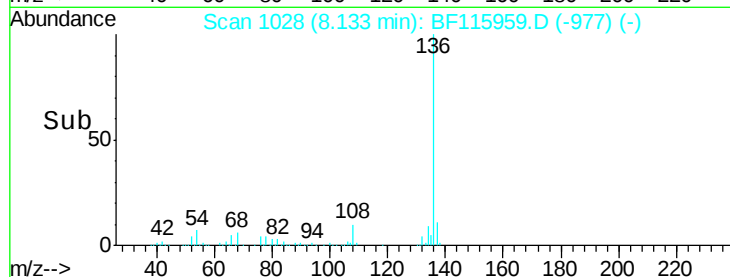


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.115 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

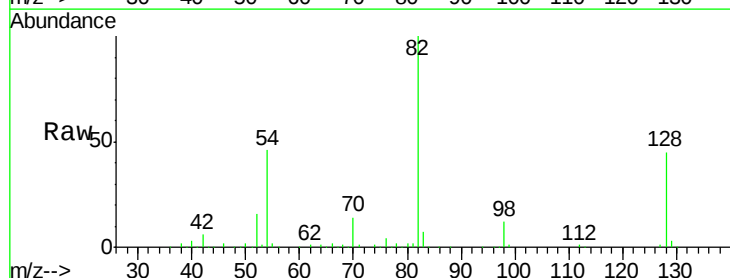
Tgt Ion: 82 Resp: 513111

Ion Ratio Lower Upper

82 100

128 44.6 36.6 55.0

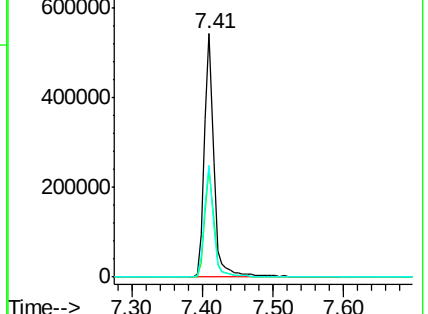
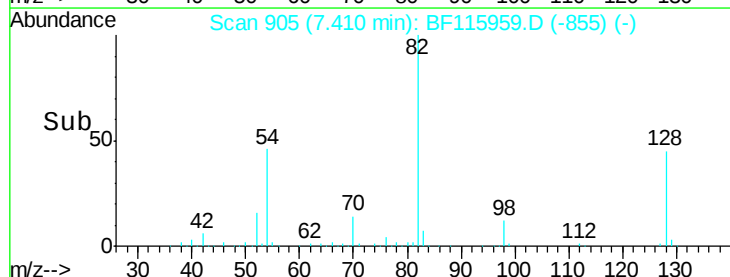
54 45.8 36.6 55.0

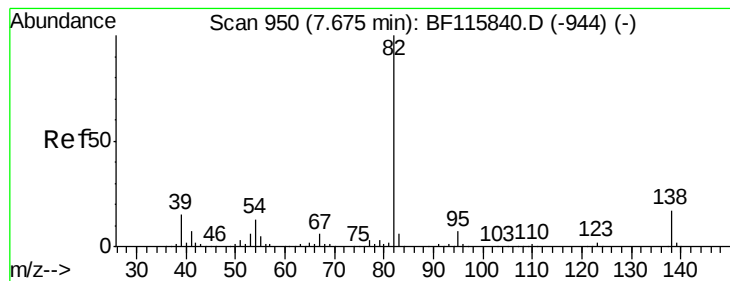


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.530 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Instrument :

BNA_F

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2S-E1-E4-(0-1)COMP

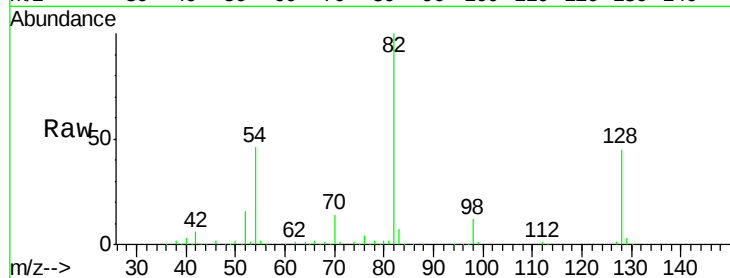
Tot Ion: 82 Resp: 513108

Ion Ratio Lower Upper

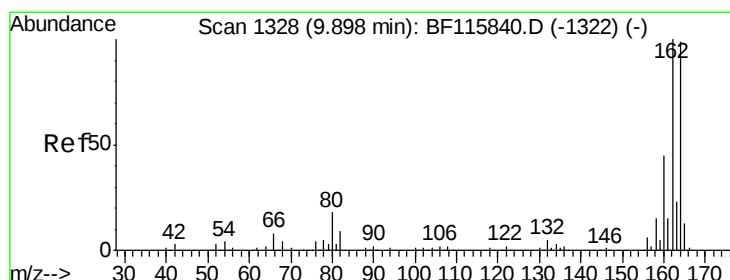
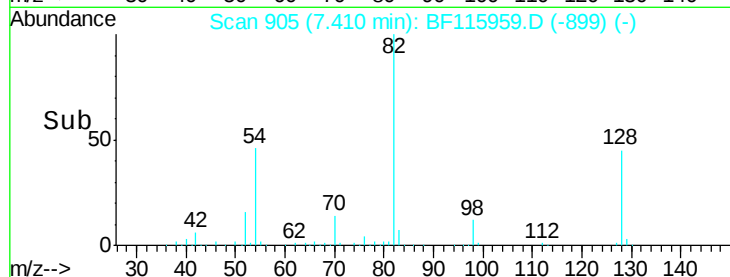
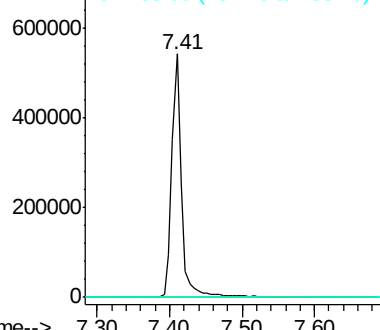
82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

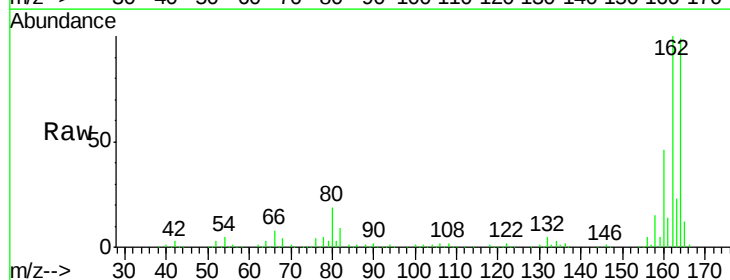
Tgt Ion: 164 Resp: 253236

Ion Ratio Lower Upper

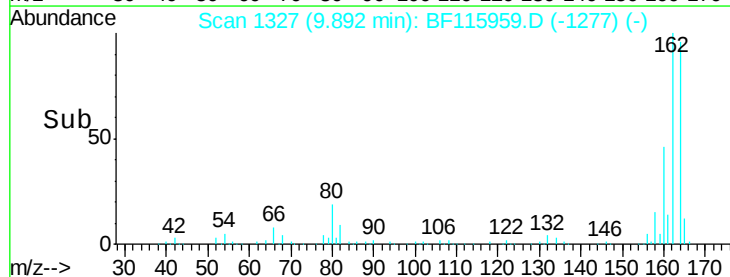
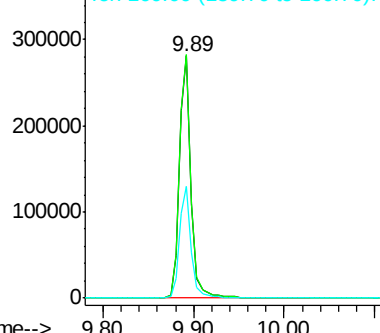
164 100

162 100.7 80.8 121.2

160 46.1 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

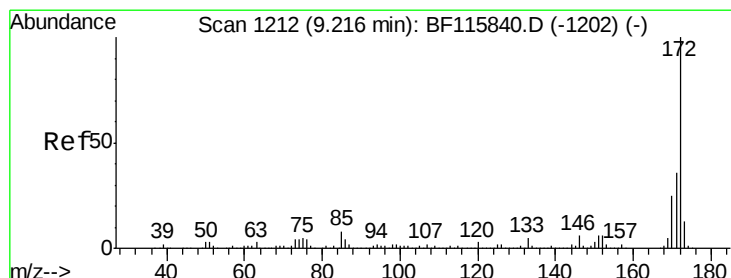
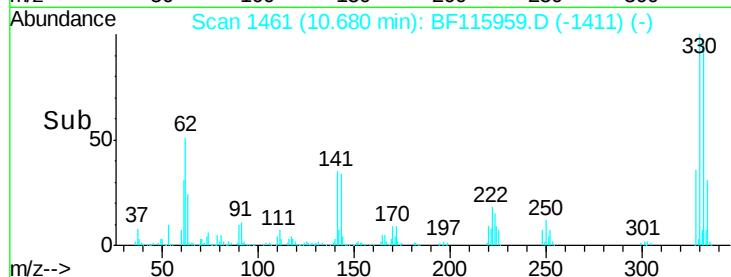
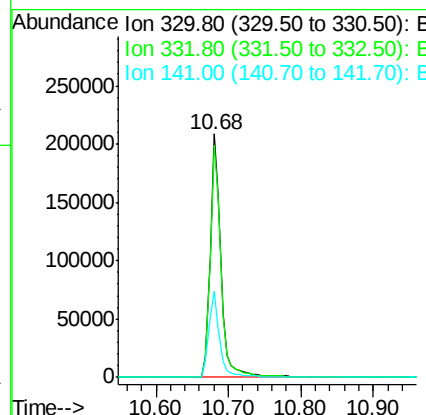
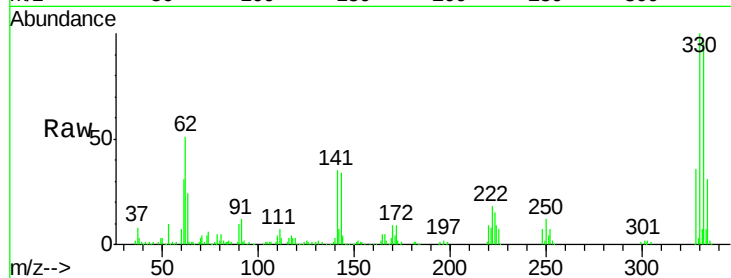




#42
 2,4,6-Tribromophenol
 Concen: 88.304 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115959.D
 Acq: 2 Aug 2019 20:57

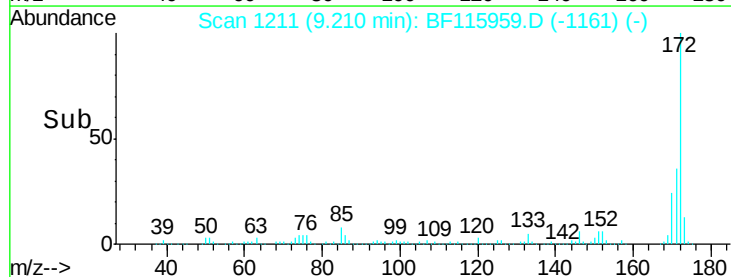
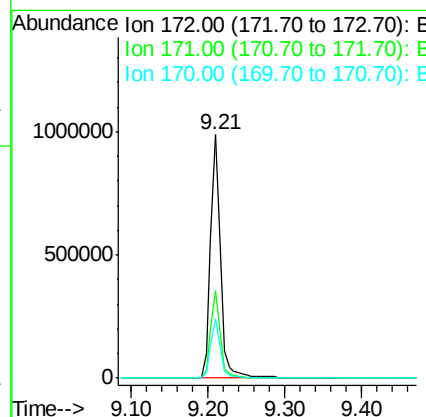
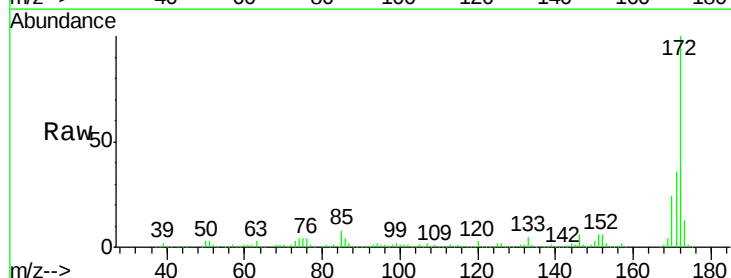
Instrument :
 BNA_F
 ClientSampleId :
 2S-E1-E4-(0-1)COMP

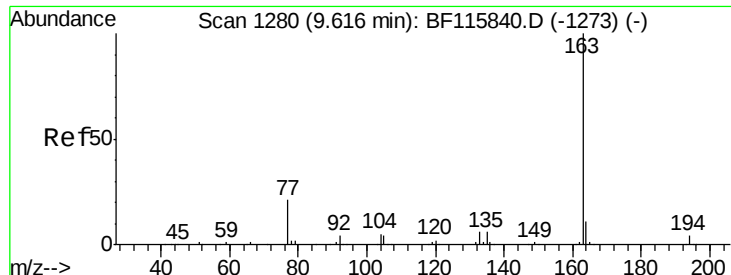
Tot Ion:330 Resp: 216803
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.7 116.5
 141 35.6 28.1 42.1



#45
 2-Fluorobiphenyl
 Concen: 67.284 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115959.D
 Acq: 2 Aug 2019 20:57

Tgt Ion:172 Resp: 909670
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.1 43.7
 170 24.2 20.1 30.1

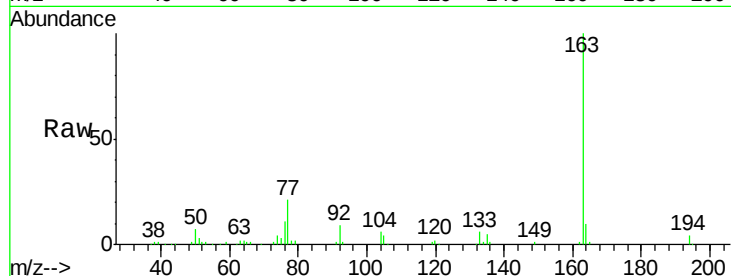




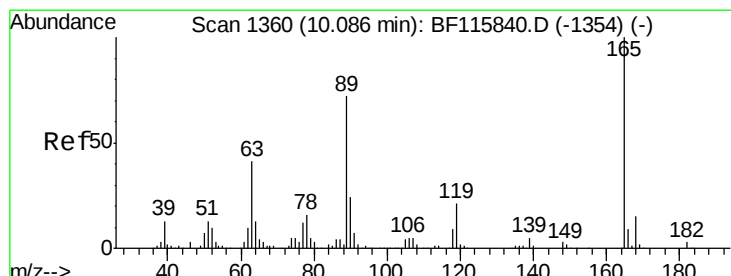
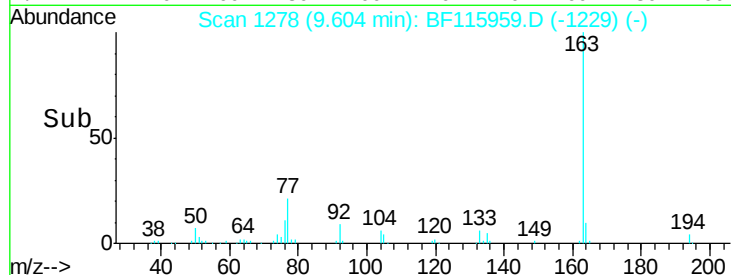
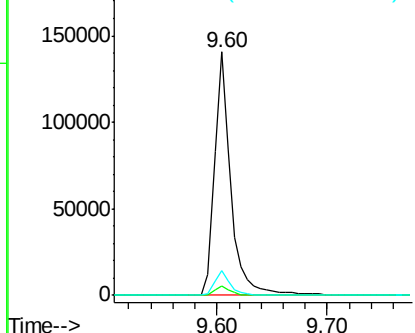
#50
Dimethylphthalate
Concen: 8.276 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(0-1)COMP

Tot Ion:163 Resp: 142701
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.4 8.4 12.6

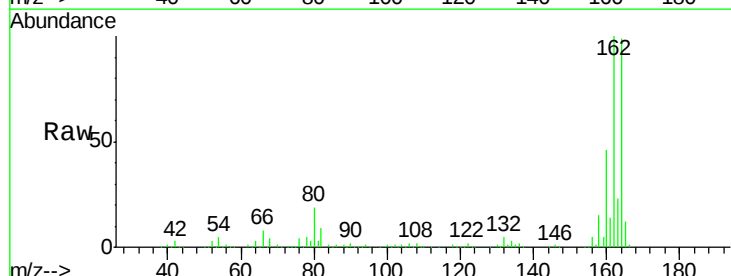


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

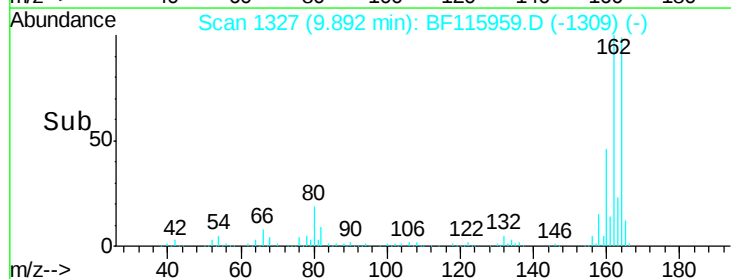
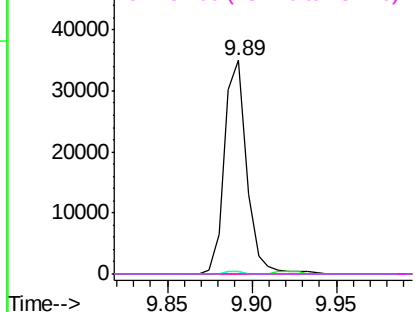


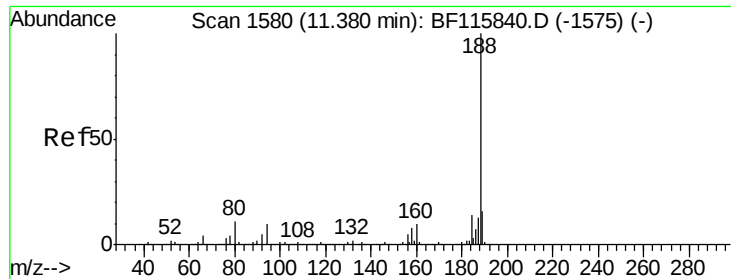
#57
2,4-Dinitrotoluene
Concen: 6.506 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Tgt Ion:165 Resp: 32457
Ion Ratio Lower Upper
165 100
63 1.0 33.2 49.8#
89 1.4 57.3 85.9#
182 0.0 2.1 3.1#



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

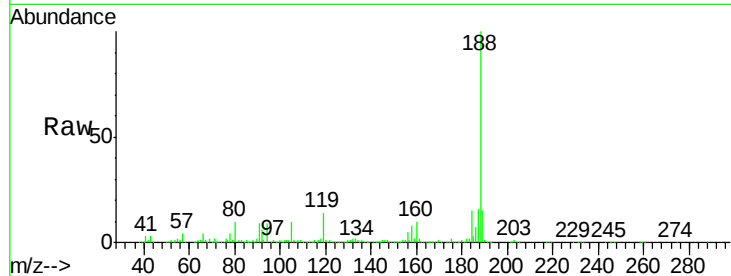




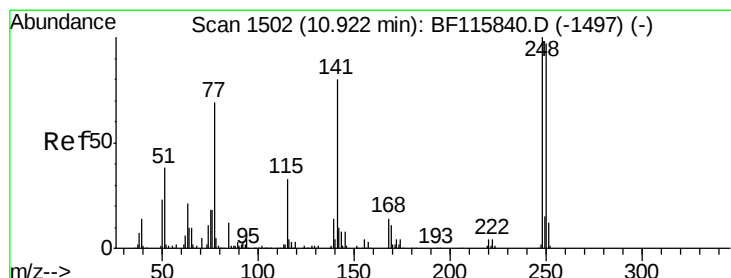
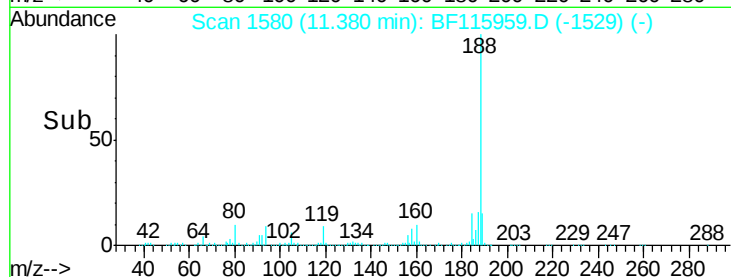
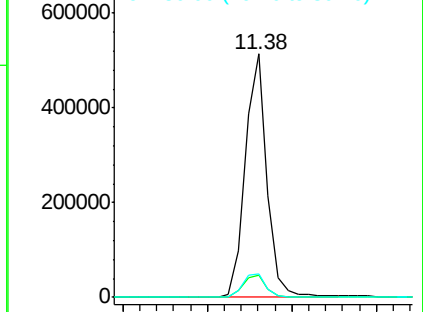
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(0-1)COMP

Tot Ion:188 Resp: 459529
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 9.9 8.6 12.8

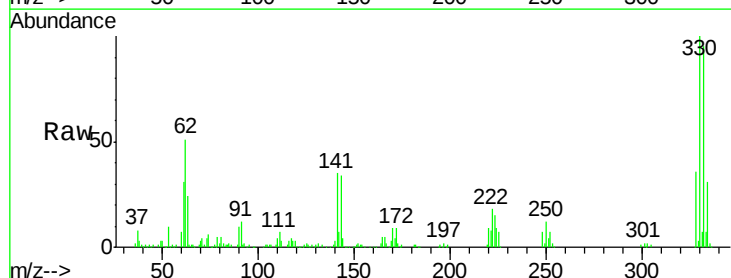


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

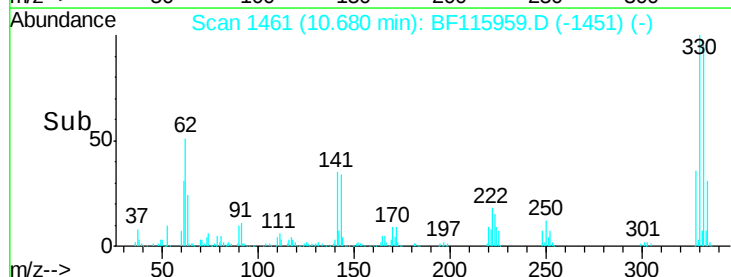
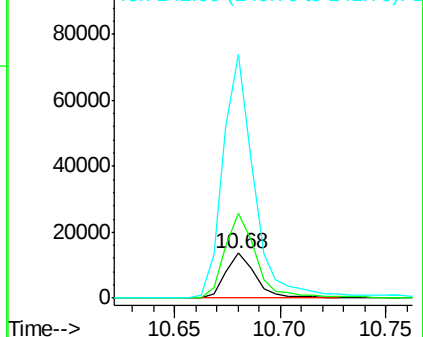


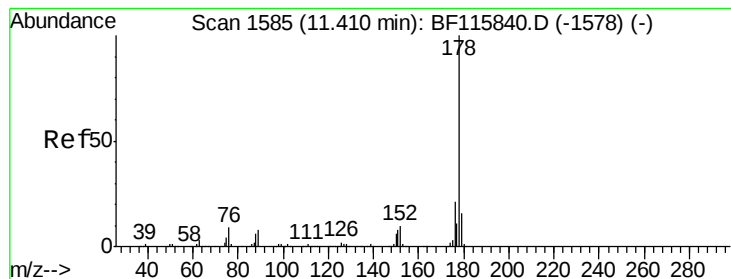
#67
4-Bromophenyl-phenylether
Concen: 2.677 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Tgt Ion:248 Resp: 13171
Ion Ratio Lower Upper
248 100
250 190.8 77.8 116.6#
141 543.4 64.3 96.5#



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: 6.368 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(0-1)COMP

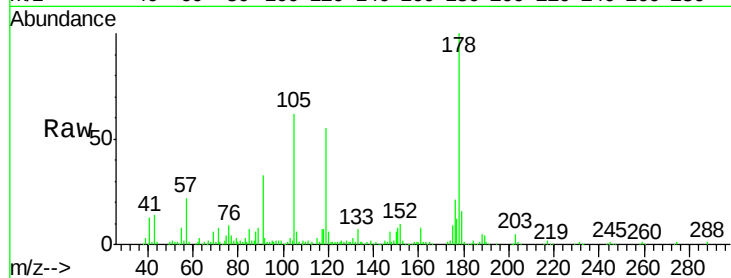
Tot Ion:178 Resp: 149587

Ion Ratio Lower Upper

178 100

176 21.2 16.5 24.7

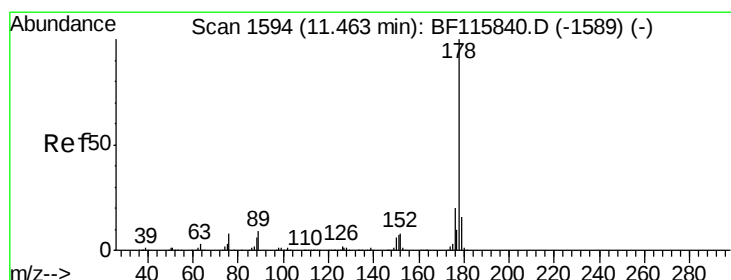
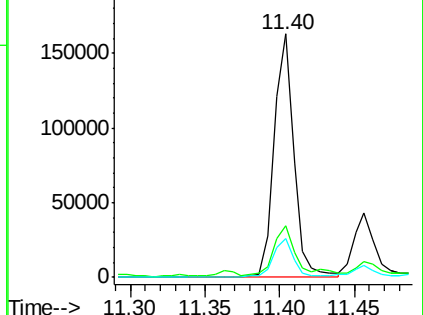
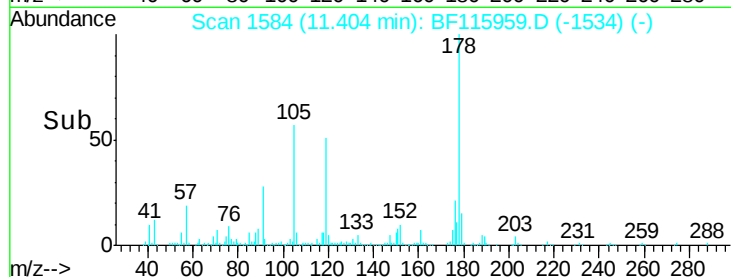
179 15.8 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.292 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.06 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

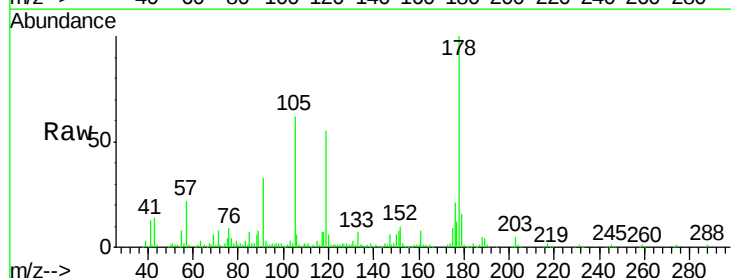
Tgt Ion:178 Resp: 149587

Ion Ratio Lower Upper

178 100

176 21.2 15.7 23.5

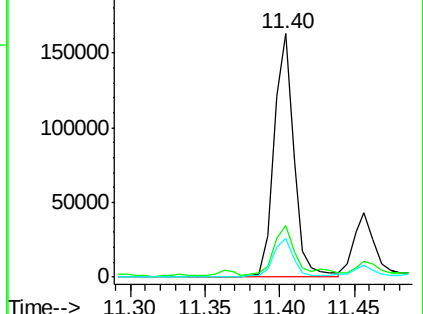
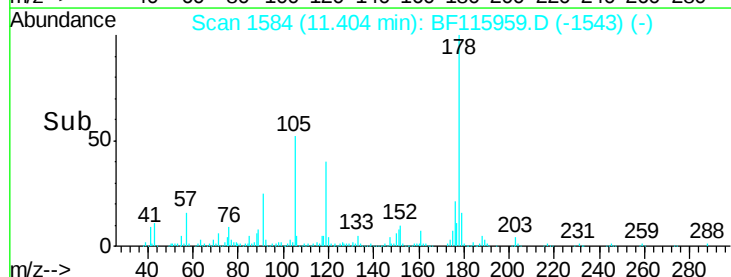
179 15.8 12.4 18.6

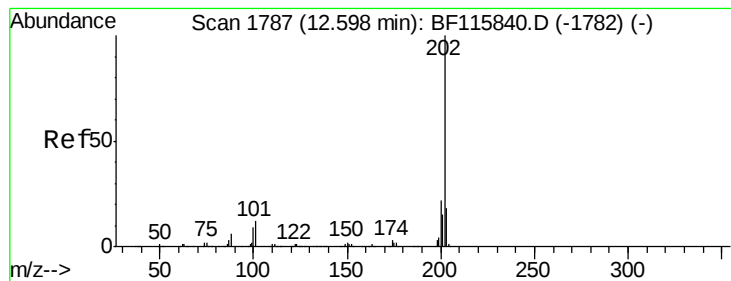


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.625 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(0-1)COMP

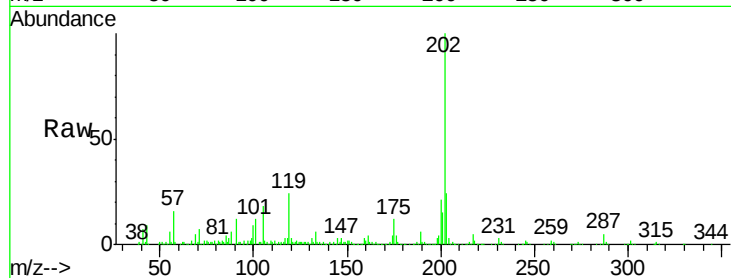
Tot Ion:202 Resp: 384283

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.5

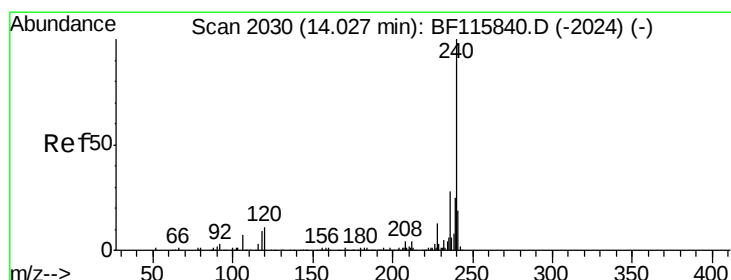
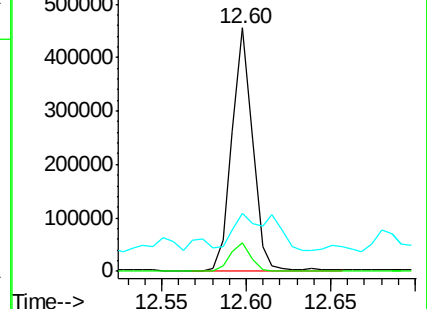
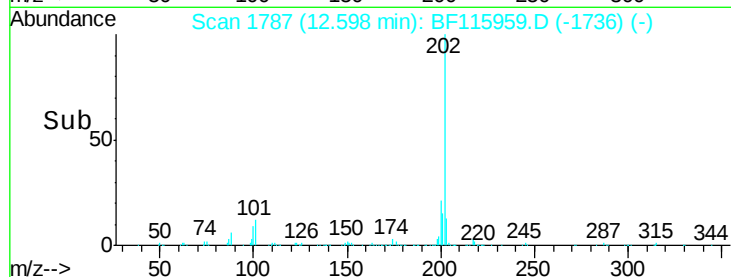
203 24.1 0.0 37.9



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: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

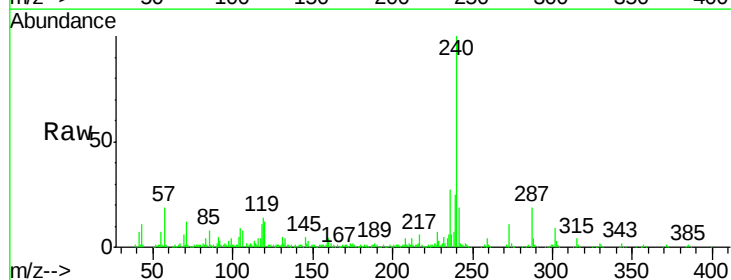
Tgt Ion:240 Resp: 351170

Ion Ratio Lower Upper

240 100

120 11.7 8.5 12.7

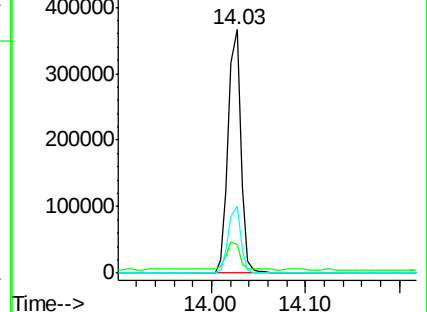
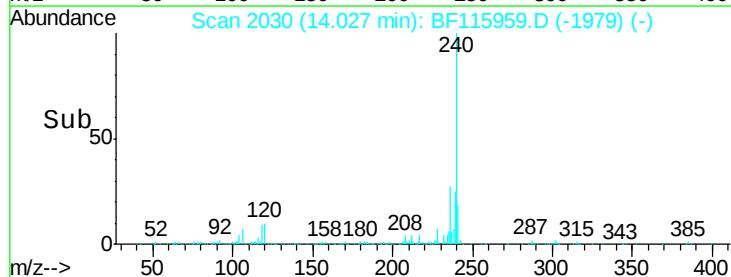
236 27.5 22.2 33.2

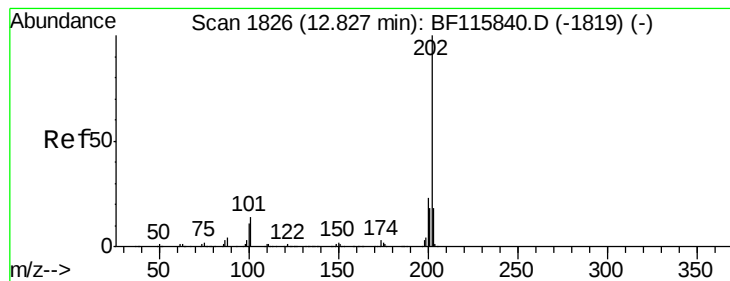


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.707 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(0-1)COMP

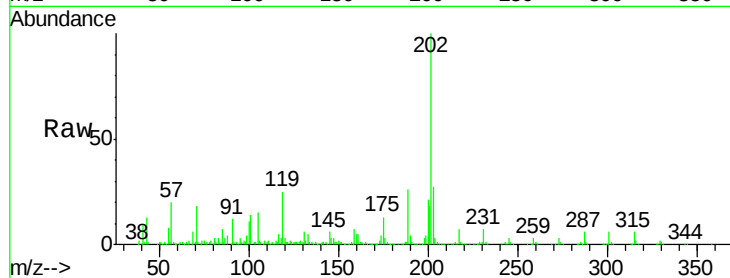
Tot Ion:202 Resp: 336367

Ion Ratio Lower Upper

202 100

200 21.4 18.2 27.2

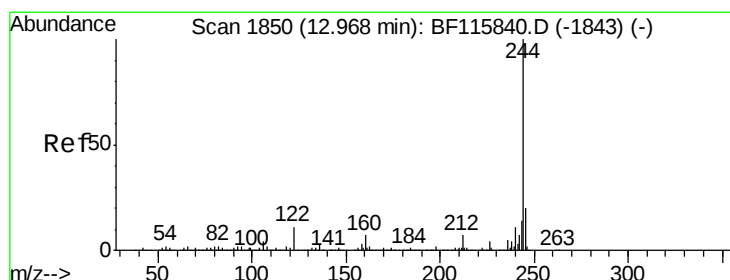
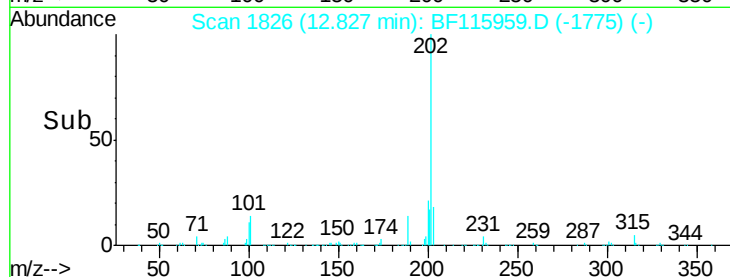
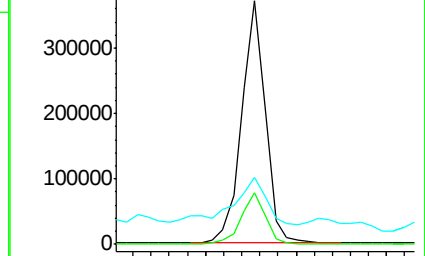
203 27.4 14.3 21.5#



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: 63.851 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

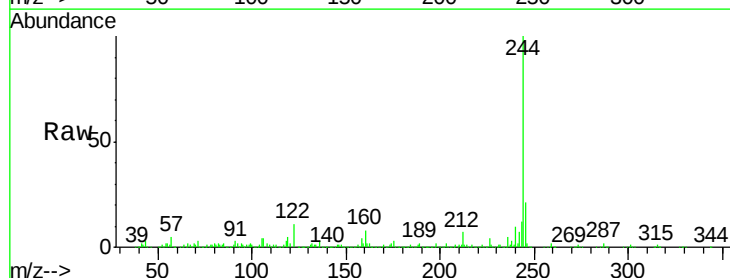
Tgt Ion:244 Resp: 1064111

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

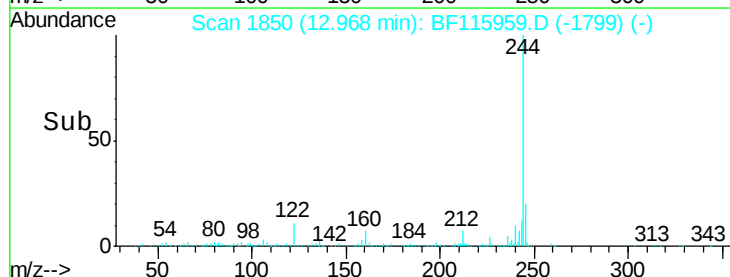
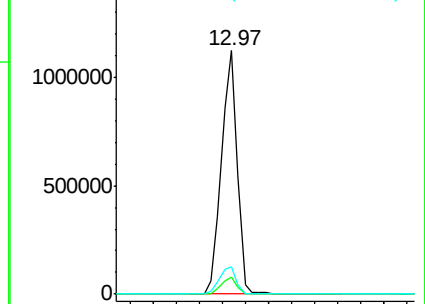
122 11.4 8.6 13.0

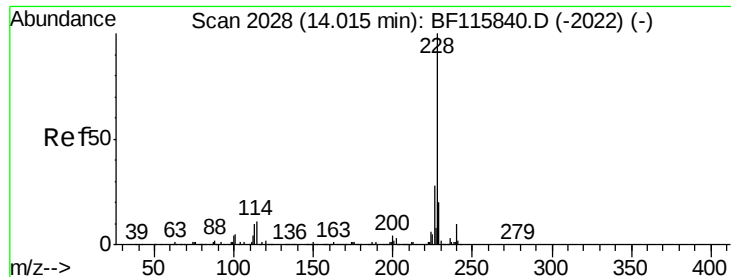


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

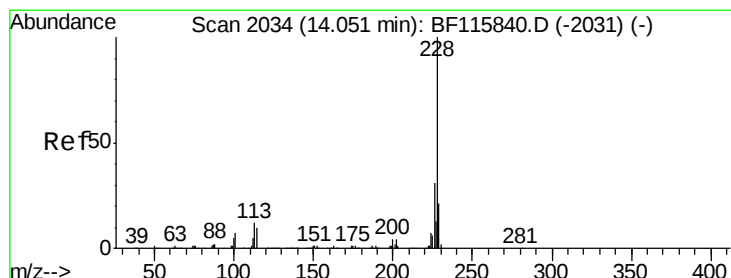
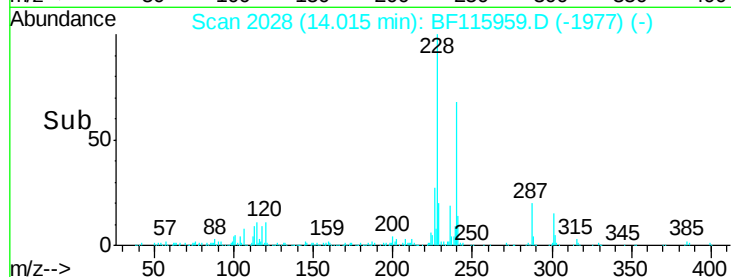
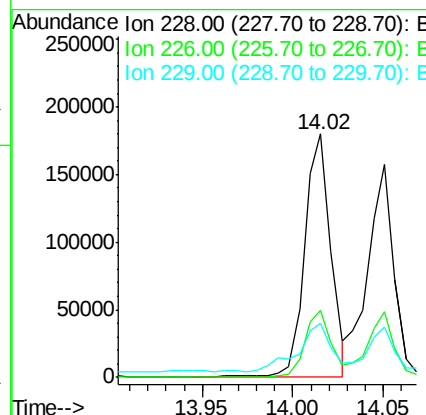
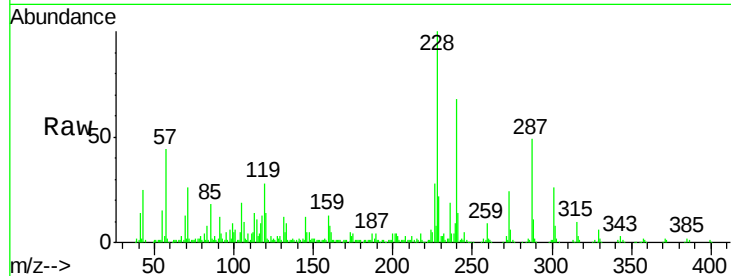




#81
Benzo(a)anthracene
Concen: 8.044 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

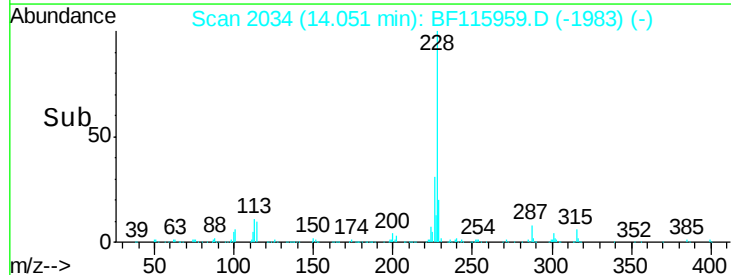
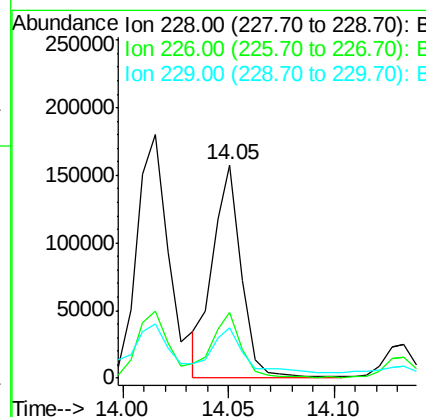
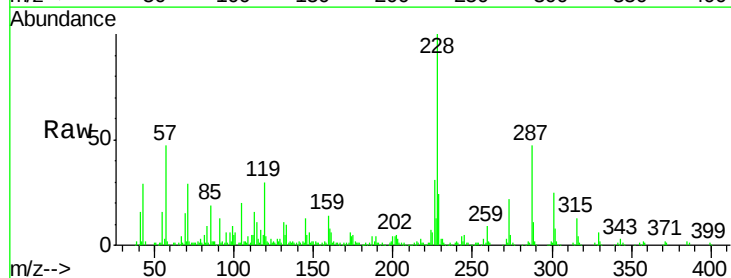
Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(0-1)COMP

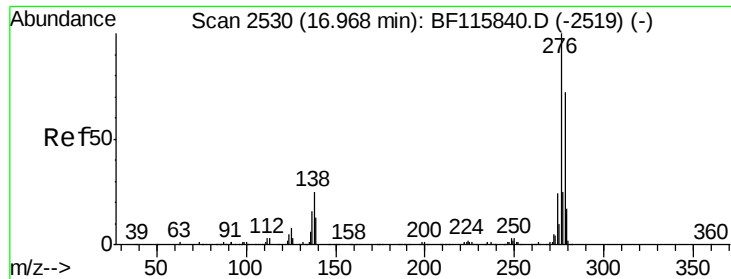
Tot Ion:228 Resp: 180541
Ion Ratio Lower Upper
228 100
226 27.6 22.5 33.7
229 22.2 16.1 24.1



#83
Chrysene
Concen: 6.768 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Tgt Ion:228 Resp: 147486
Ion Ratio Lower Upper
228 100
226 30.8 24.8 37.2
229 23.7 16.4 24.6

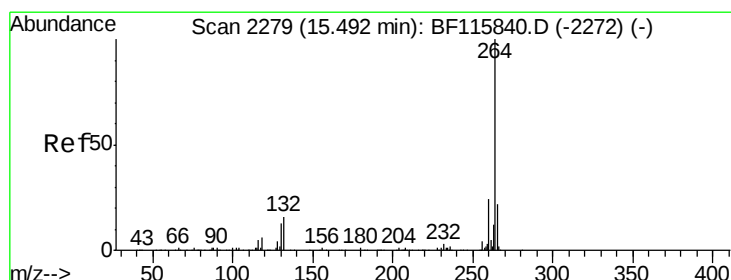
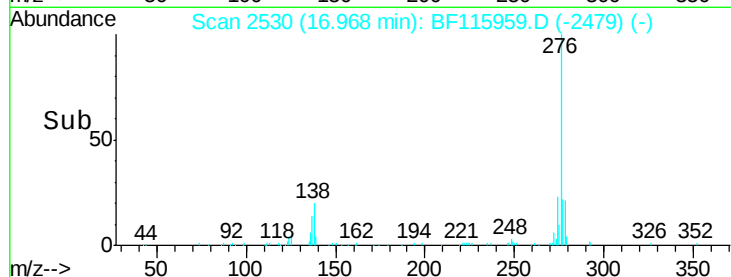
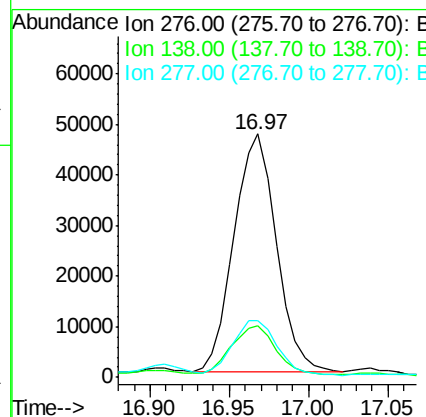
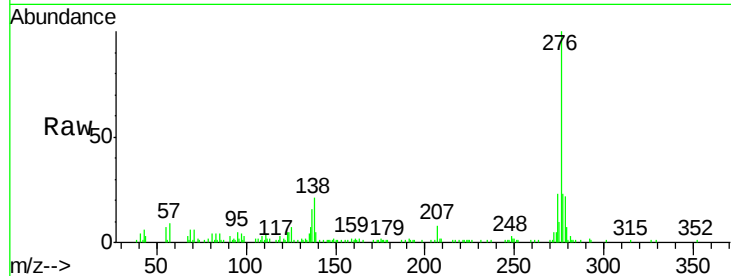




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.786 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

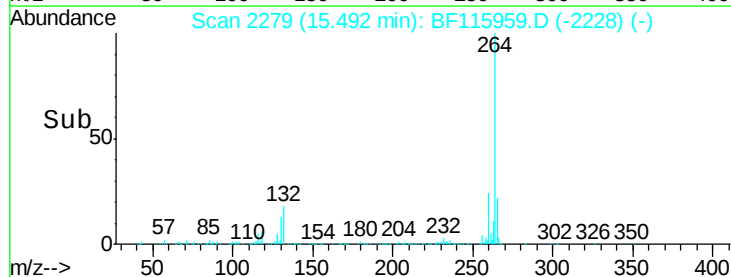
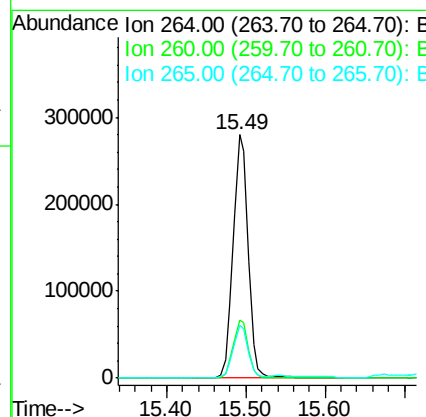
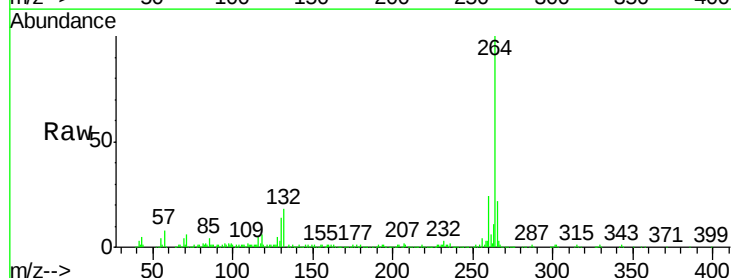
Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(0-1)COMP

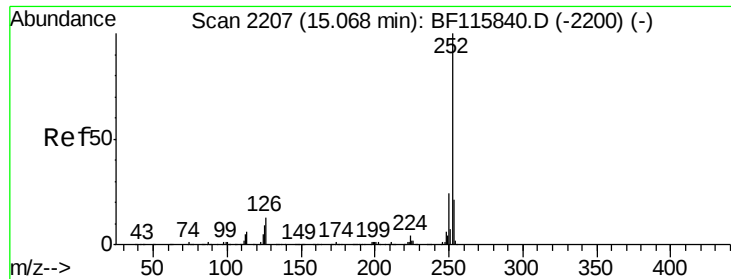
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.6	29.4
277	24.4	20.1	30.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF115959.D
Acq: 2 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.5	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 11.794 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

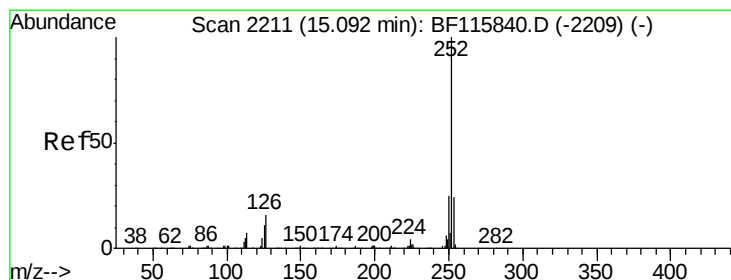
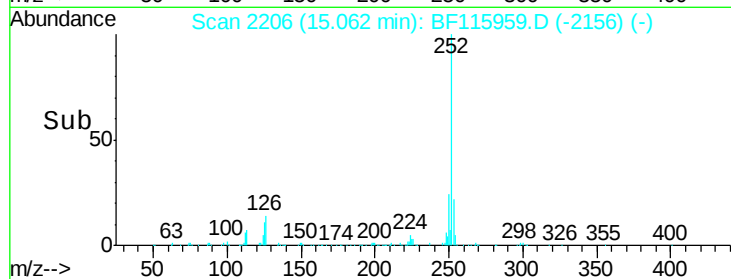
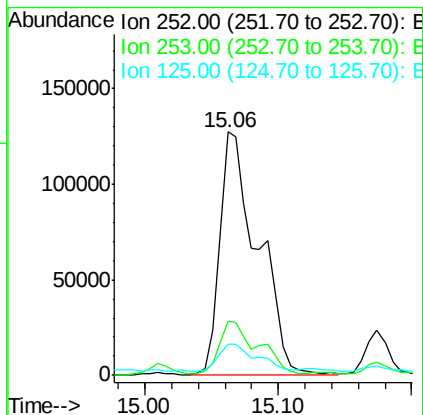
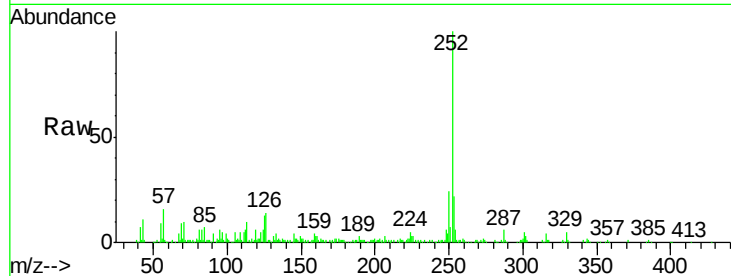
Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(0-1)COMP

Tot Ion:252	Resp:	251574
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.2 25.8
125	13.0	7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 12.108 ng

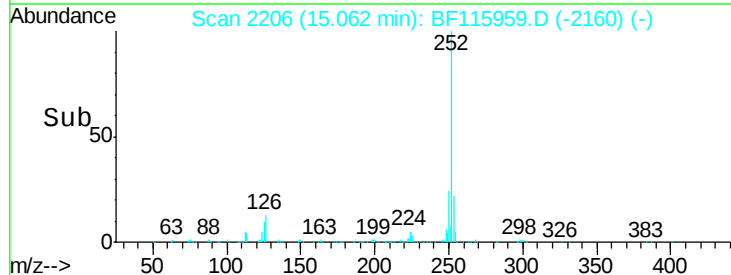
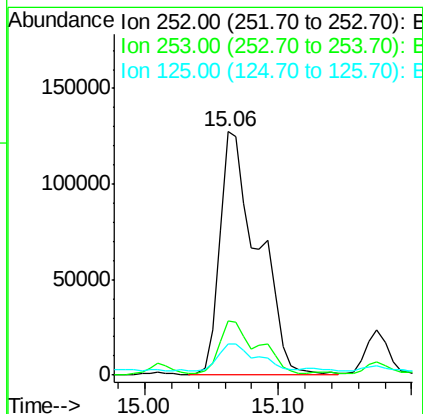
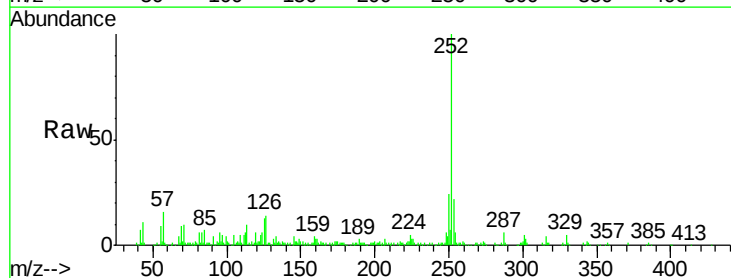
RT: 15.06 min Scan# 2206

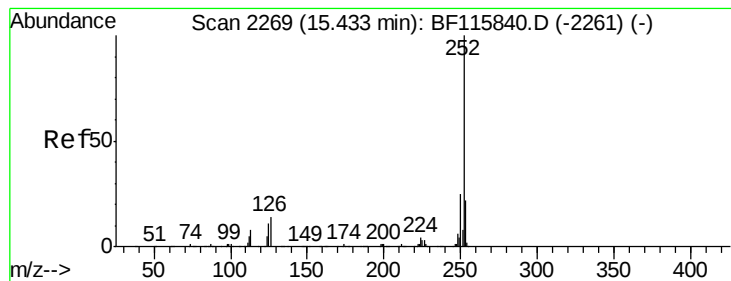
Delta R.T. -0.03 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Tgt Ion:252	Resp:	251574
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.2 27.4
125	13.0	8.9 13.3





#90

Benzo(a)pyrene

Concen: 7.051 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

Instrument :

BNA_F

ClientSampleId :

2S-E1-E4-(0-1)COMP

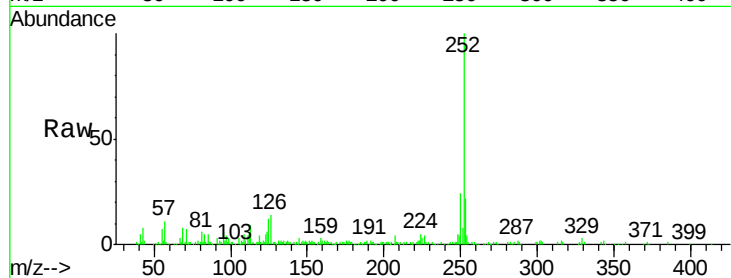
Tot Ion:252 Resp: 134460

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

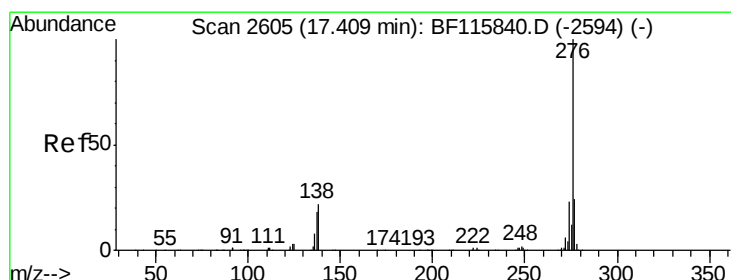
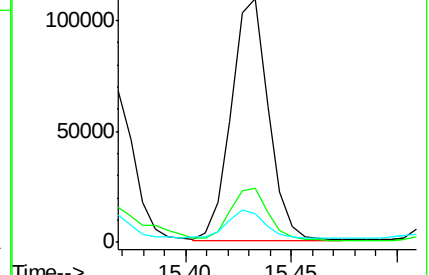
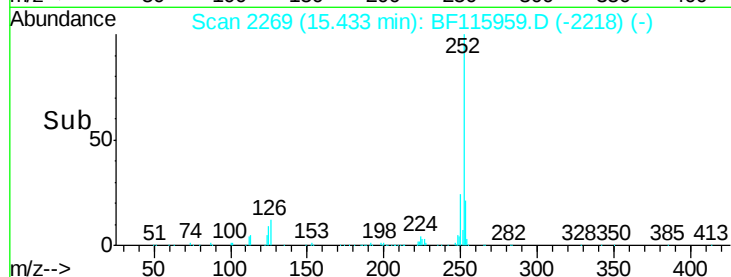
125 11.9 8.8 13.2



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: 5.202 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.01 min

Lab File: BF115959.D

Acq: 2 Aug 2019 20:57

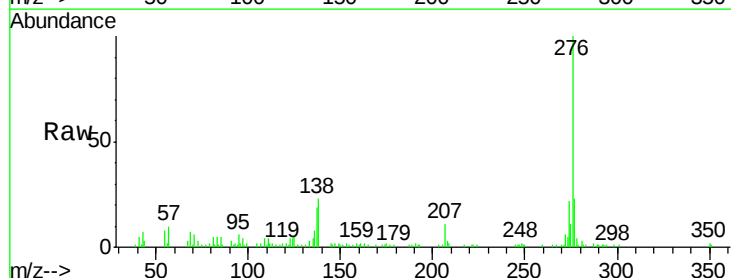
Tgt Ion:276 Resp: 84323

Ion Ratio Lower Upper

276 100

277 23.2 19.5 29.3

138 22.8 17.8 26.8



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

