

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115951.D
 Acq On : 2 Aug 2019 17:25
 Operator : HP/JU
 Sample : K4131-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-E1-E4-COMP-(30)

Quant Time: Aug 02 23:42:23 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	118846	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	469225	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	251735	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	462713	20.00	ng	0.00
76) Chrysene-d12	14.02	240	416951	20.00	ng	0.00
87) Perylene-d12	15.49	264	424188	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	456729	64.33	ng	0.00
7) Phenol-d6	6.48	99	782178	87.33	ng	0.00
23) Nitrobenzene-d5	7.41	82	478098	58.81	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	201748	82.66	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	881119	65.56	ng	0.00
79) Terphenyl-d14	12.96	244	1048073	52.97	ng	0.00

Target Compounds

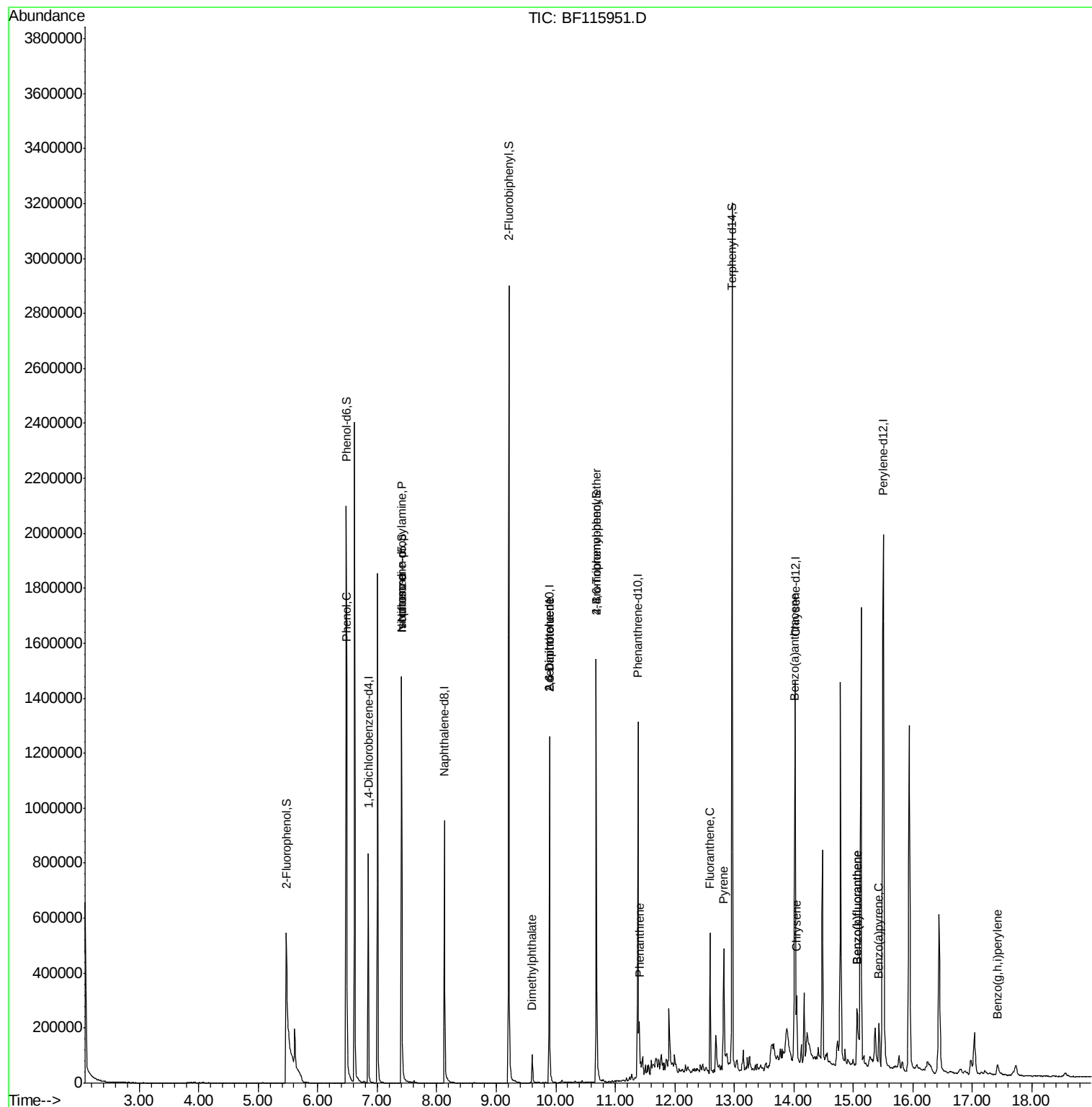
						Qvalue
10) Phenol	6.49	94	24954	2.366	ng	88
19) n-Nitroso-di-n-propylamine	7.41	70	63217	11.390	ng	# 78
25) Isophorone	7.41	82	478144	30.761	ng	# 66
50) Dimethylphthalate	9.60	163	49905	2.912	ng	99
51) 2,6-Dinitrotoluene	9.89	165	32053	8.605	ng	# 28
57) 2,4-Dinitrotoluene	9.89	165	32053	6.463	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	12120	2.447	ng	# 1
71) Phenanthrene	11.40	178	70564	2.983	ng	99
75) Fluoranthene	12.59	202	195897	7.910	ng	99
78) Pyrene	12.82	202	176087	5.602	ng	99
81) Benzo(a)anthracene	14.01	228	110160	4.134	ng	99
83) Chrysene	14.04	228	88103	3.405	ng	99
88) Benzo(b)fluoranthene	15.06	252	151532	6.178	ng	# 96
89) Benzo(k)fluoranthene	15.06	252	151532	6.343	ng	100
90) Benzo(a)pyrene	15.43	252	79540	3.628	ng	98
92) Benzo(g,h,i)perylene	17.43	276	37582	2.016	ng	97

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

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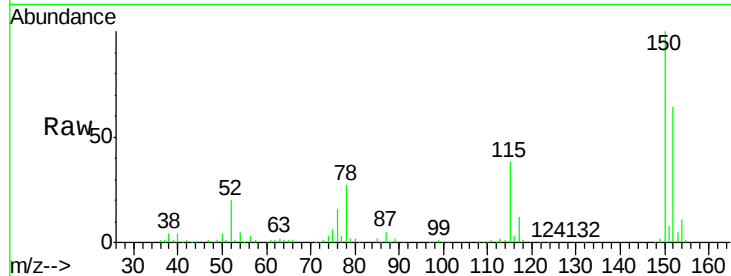


#1

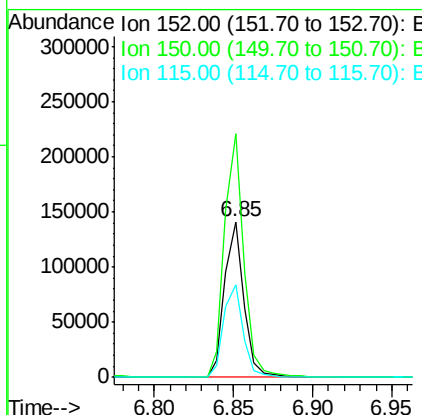
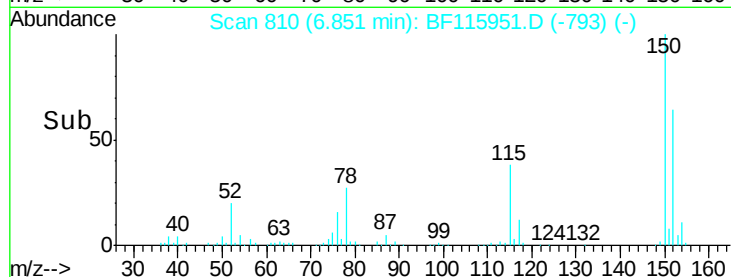
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

Instrument :
BNA_F
ClientSampleId :
1S-E1-E4-COMP-(30)

Tot Ion:152 Resp: 118846
Ion Ratio Lower Upper
152 100
150 156.3 127.4 191.0
115 59.8 51.8 77.8



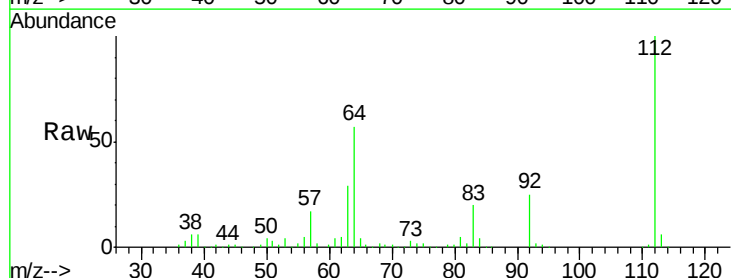
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



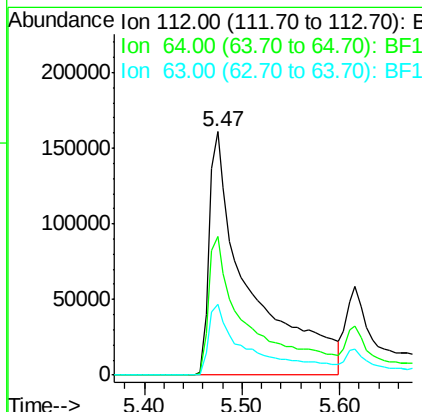
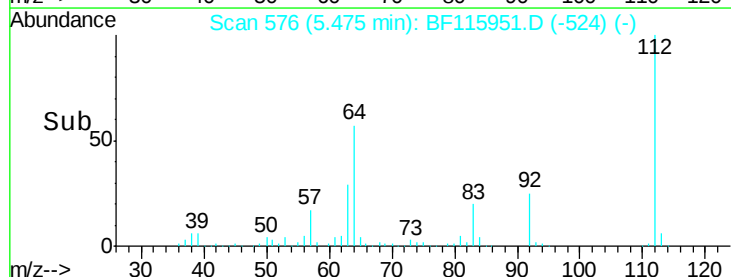
#5

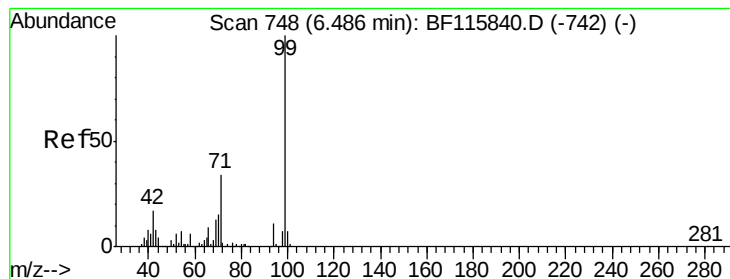
2-Fluorophenol
Concen: 64.335 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

Tgt Ion:112 Resp: 456729
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 29.3 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: 87.326 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

Instrument :

BNA_F

ClientSampleId :

1S-E1-E4-COMP-(30)

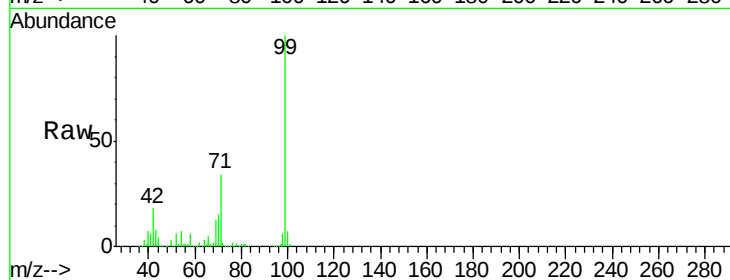
Tot Ion: 99 Resp: 782178

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.6

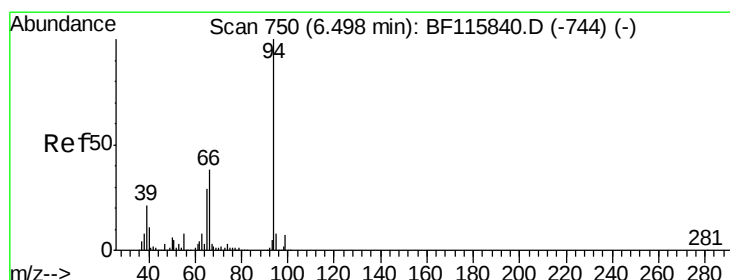
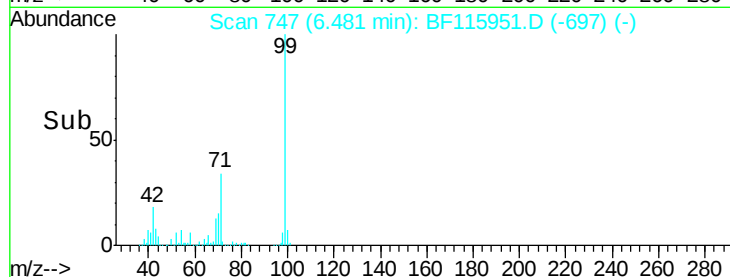
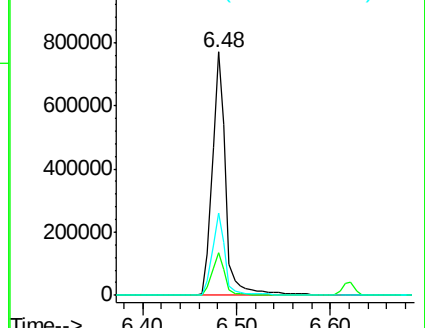
71 33.7 27.1 40.7



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



#10

Phenol

Concen: 2.366 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

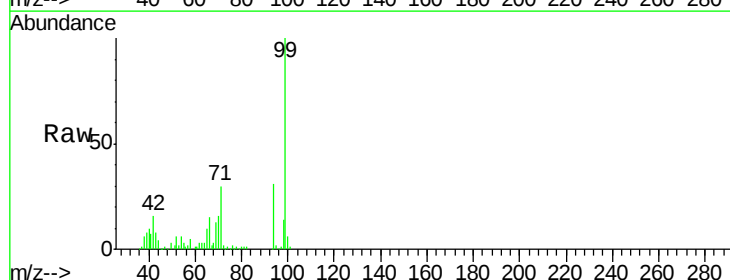
Tgt Ion: 94 Resp: 24954

Ion Ratio Lower Upper

94 100

65 30.9 8.9 48.9

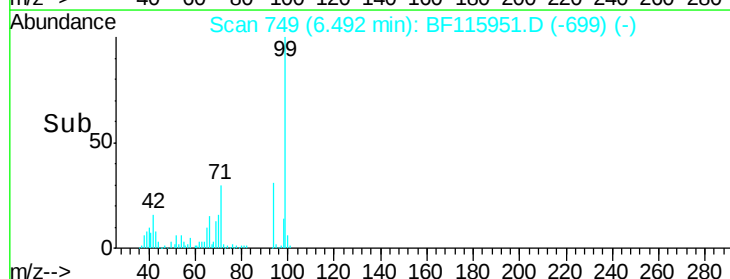
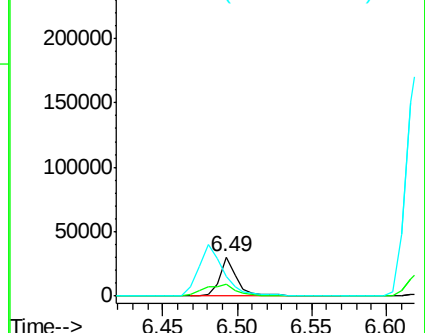
66 49.5 18.0 58.0

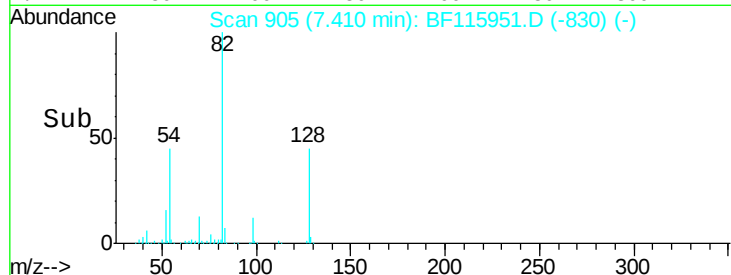
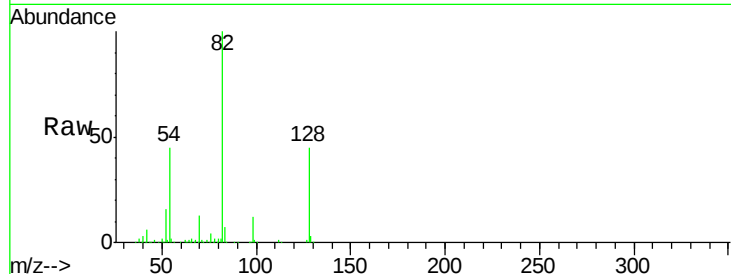


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

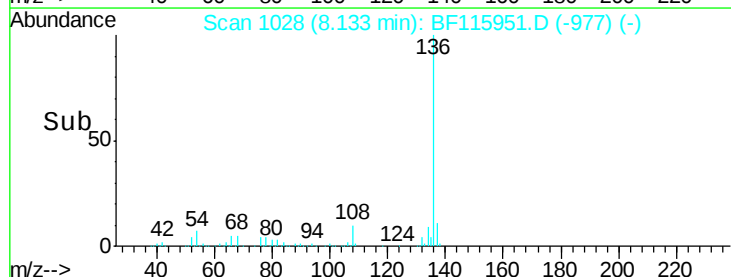
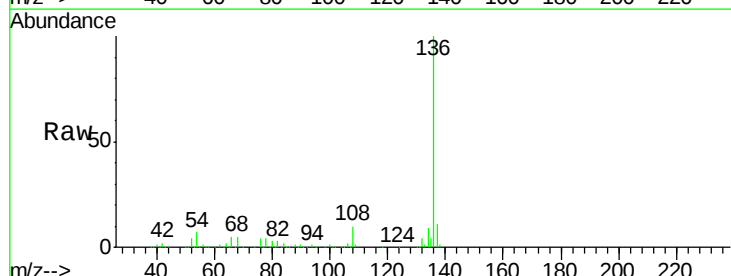
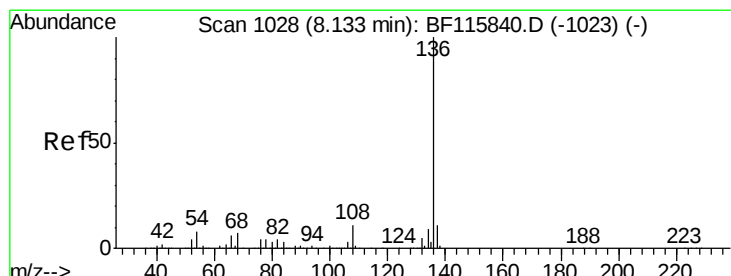
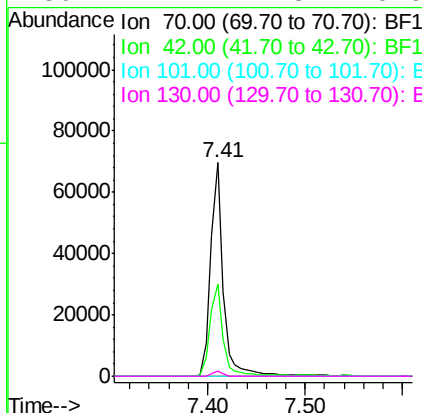




#19
n-Nitroso-di-n-propylamine
Concen: 11.390 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

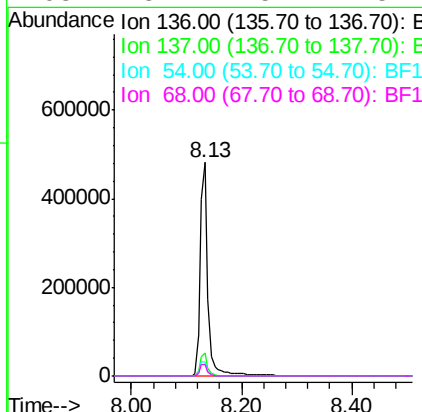
Instrument :
BNA_F
ClientSampleId :
1S-E1-E4-COMP-(30)

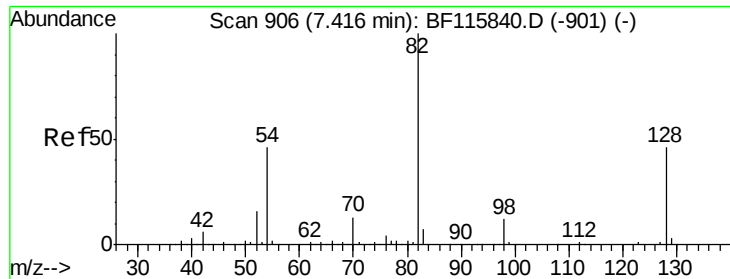
Tot Ion: 70 Resp: 63217
Ion Ratio Lower Upper
70 100
42 42.9 41.8 62.8
101 0.0 7.7 11.5#
130 2.4 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

Tgt Ion: 136 Resp: 469225
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 6.6 6.1 9.1
68 5.4 5.4 8.2#

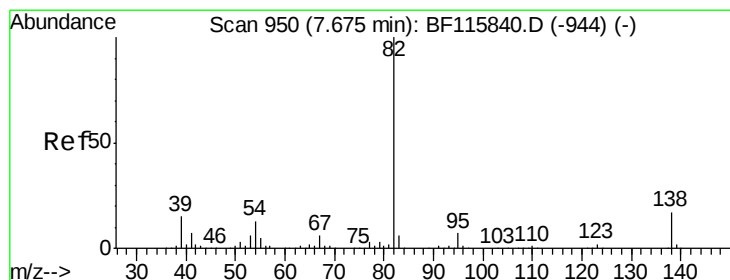
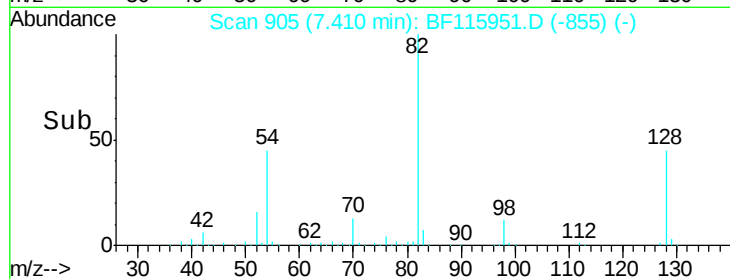
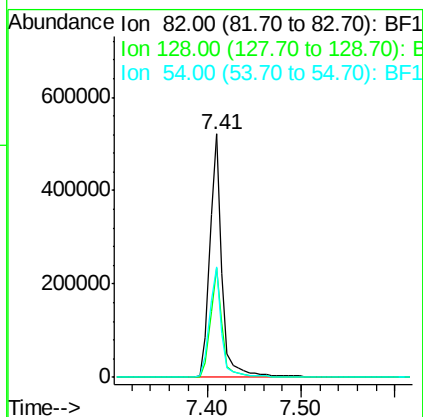
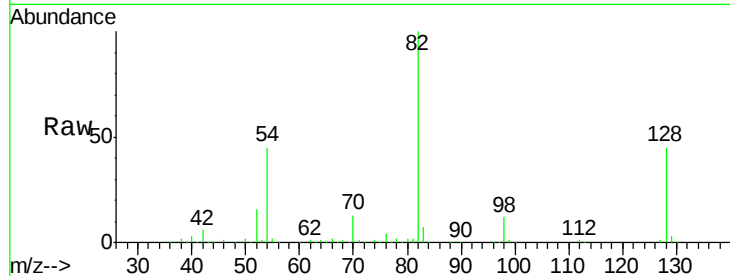




#23
 Nitrobenzene-d5
 Concen: 58.815 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115951.D
 Acq: 2 Aug 2019 17:25

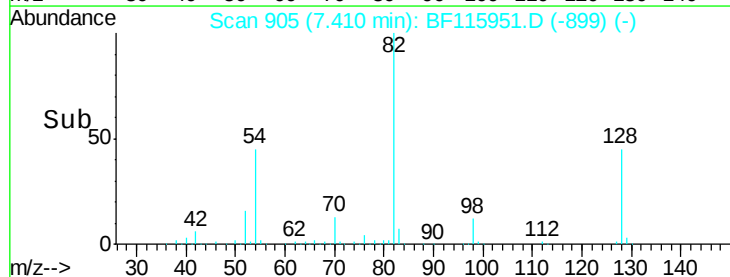
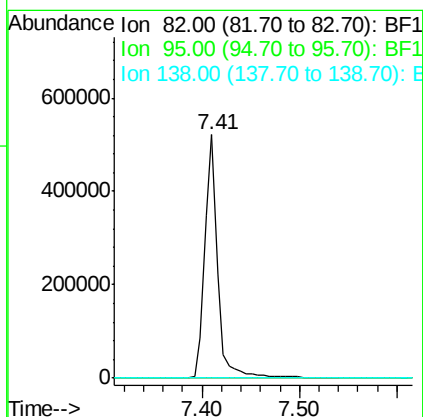
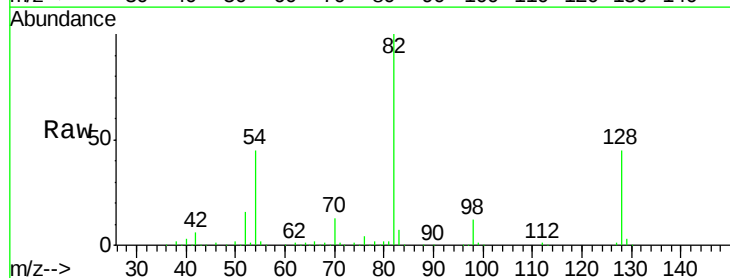
Instrument :
 BNA_F
 ClientSampleId :
 1S-E1-E4-COMP-(30)

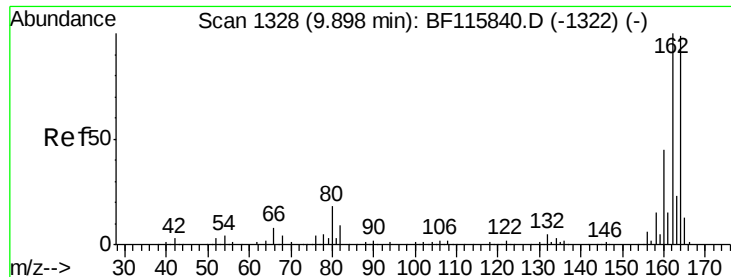
Tot Ion: 82 Resp: 478098
 Ion Ratio Lower Upper
 82 100
 128 44.7 36.6 55.0
 54 45.3 36.6 55.0



#25
 Isophorone
 Concen: 30.761 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF115951.D
 Acq: 2 Aug 2019 17:25

Tgt Ion: 82 Resp: 478144
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.5 8.3#
 138 0.0 13.9 20.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

Instrument :

BNA_F

ClientSampleId :

1S-E1-E4-COMP-(30)

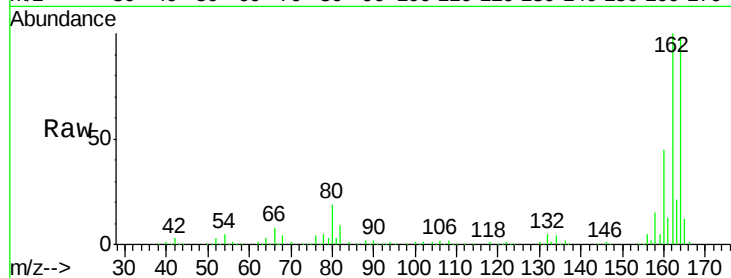
Tot Ion:164 Resp: 251735

Ion Ratio Lower Upper

164 100

162 102.1 80.8 121.2

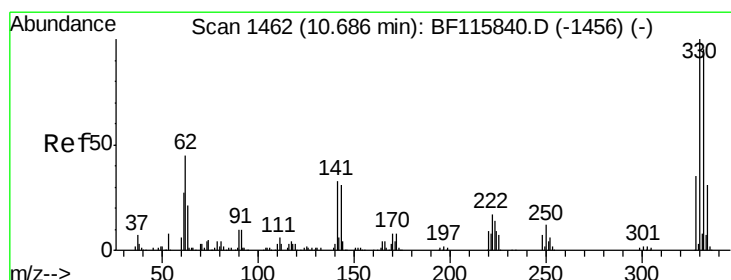
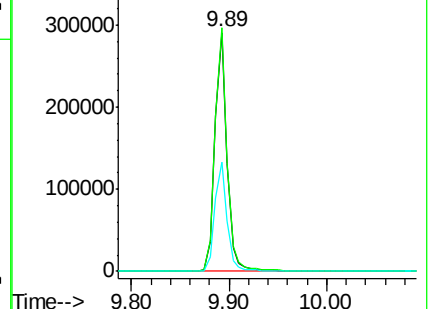
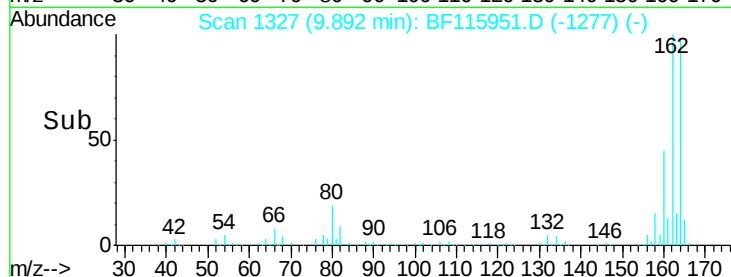
160 45.8 36.2 54.4



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: 82.662 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

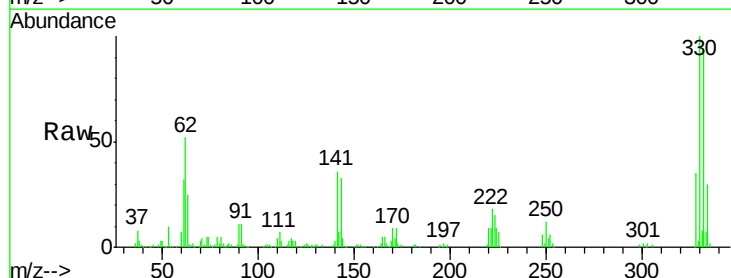
Tgt Ion:330 Resp: 201748

Ion Ratio Lower Upper

330 100

332 97.0 77.7 116.5

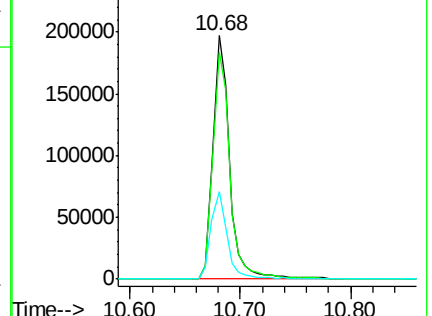
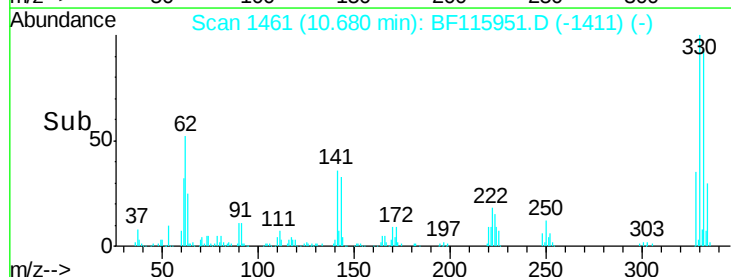
141 35.8 28.1 42.1



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

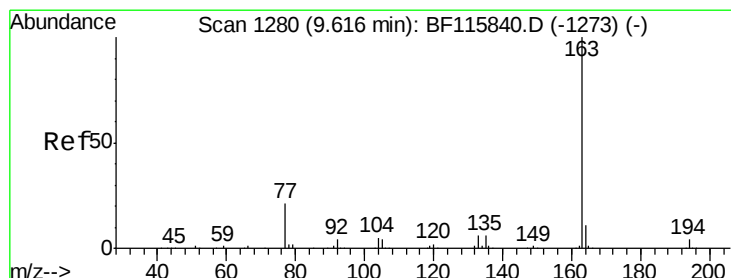
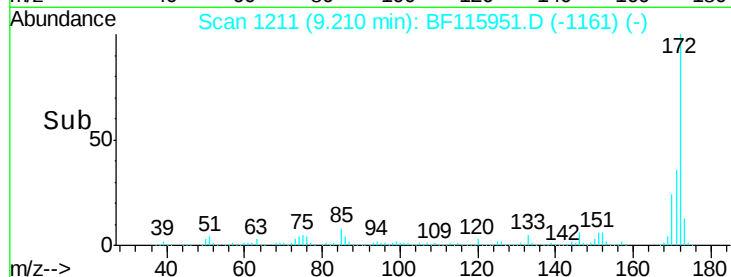
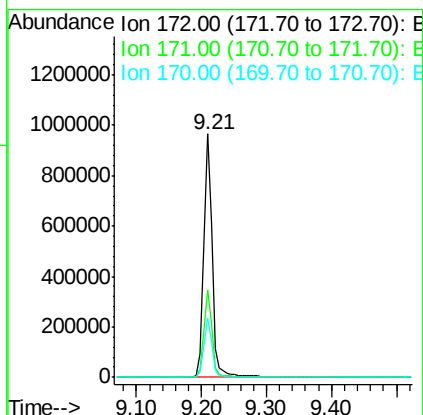
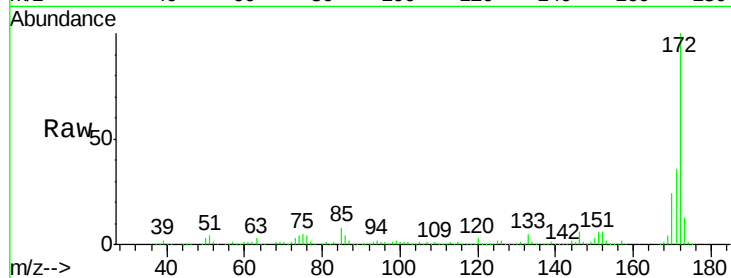




#45
2-Fluorobiphenyl
Concen: 65.561 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

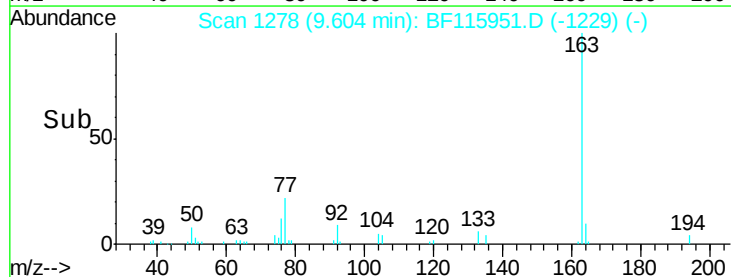
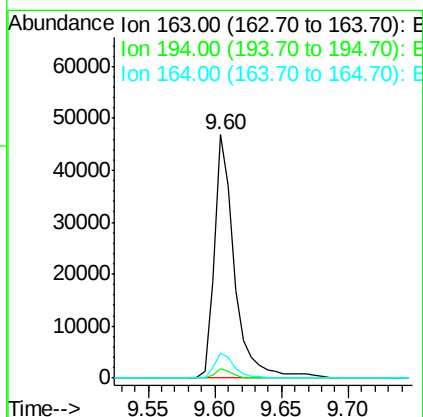
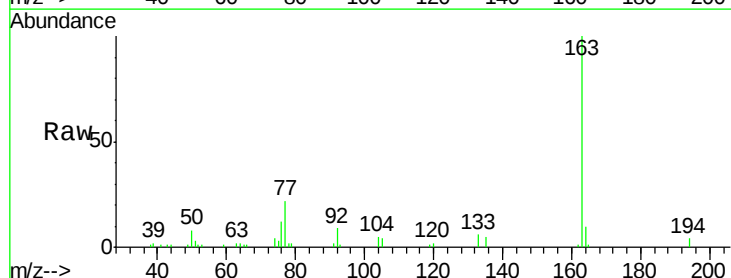
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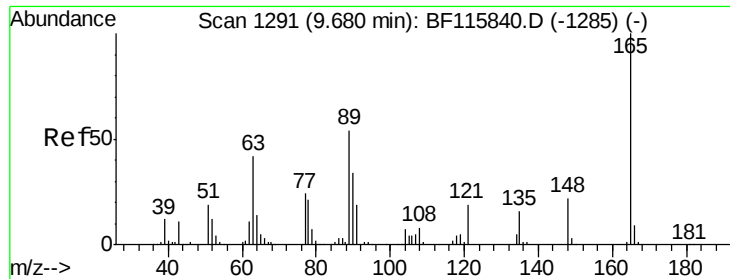
Tot Ion:172 Resp: 881119
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 24.4 20.1 30.1



#50
Dimethylphthalate
Concen: 2.912 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

Tgt Ion:163 Resp: 49905
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.3 8.4 12.6

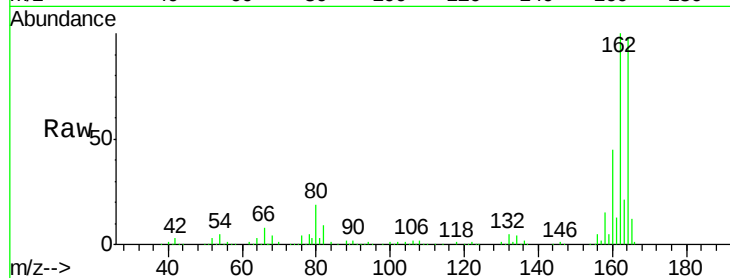




#51
 2,6-Dinitrotoluene
 Concen: 8.605 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF115951.D
 Acq: 2 Aug 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 1S-E1-E4-COMP-(30)

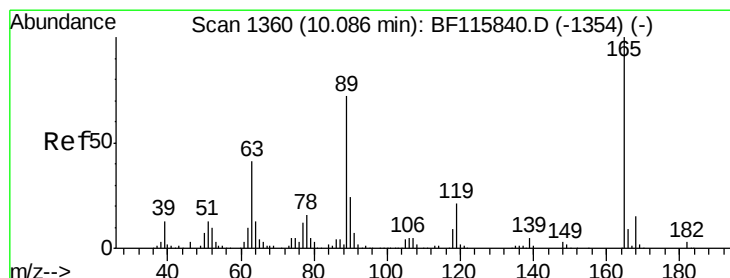
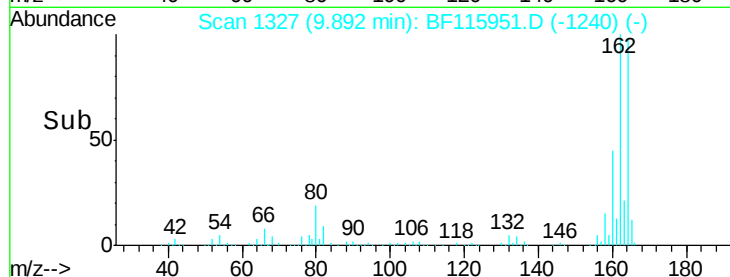
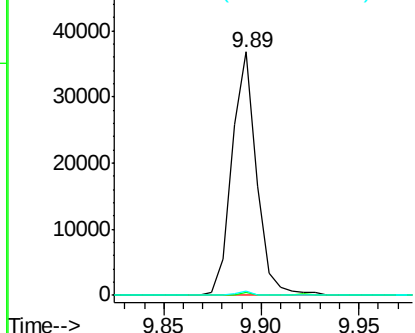
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.4	59.2#
89	1.7	43.0	64.6#



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: 6.463 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF115951.D
 Acq: 2 Aug 2019 17:25

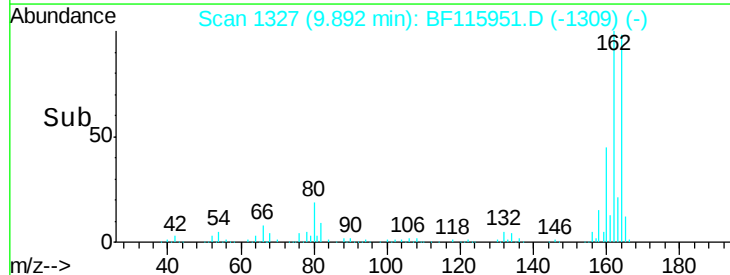
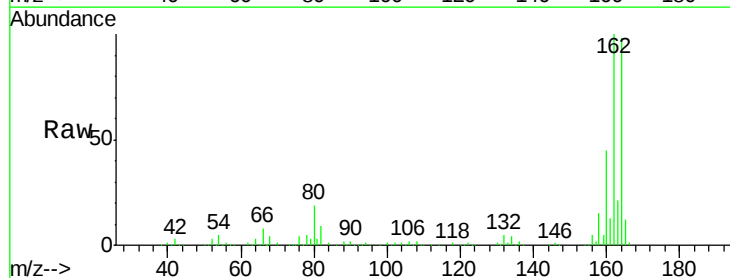
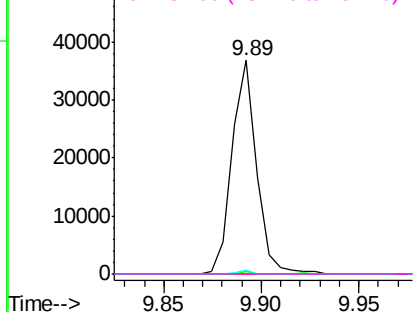
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.2	49.8#
89	1.7	57.3	85.9#
182	0.0	2.1	3.1#

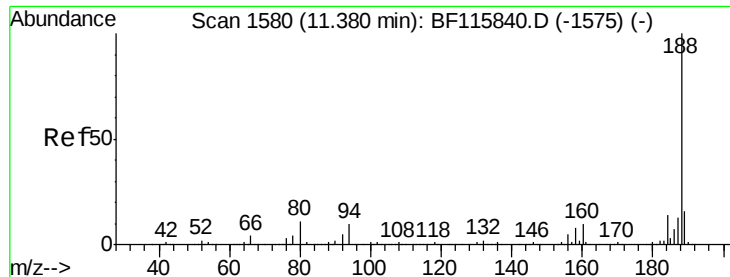
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF115951.D

Acq: 2 Aug 2019 17:25

Instrument :

BNA_F

ClientSampleId :

1S-E1-E4-COMP-(30)

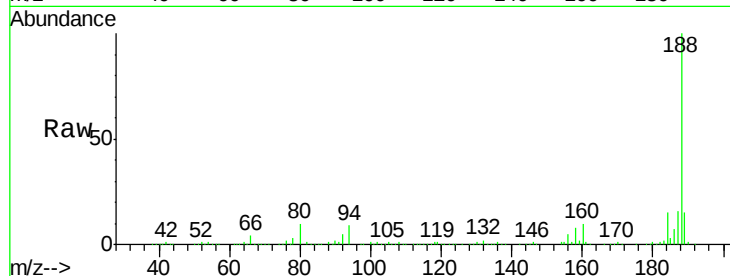
Tot Ion:188 Resp: 462713

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

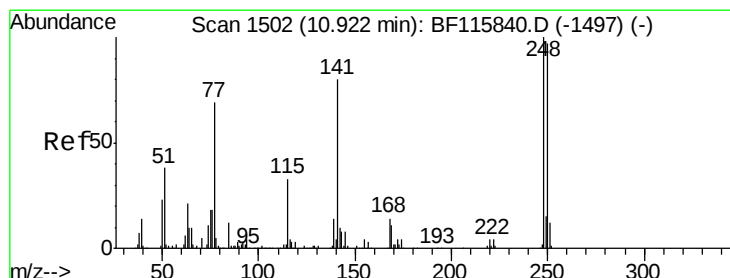
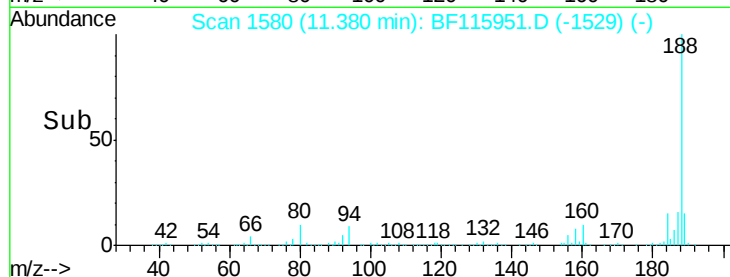
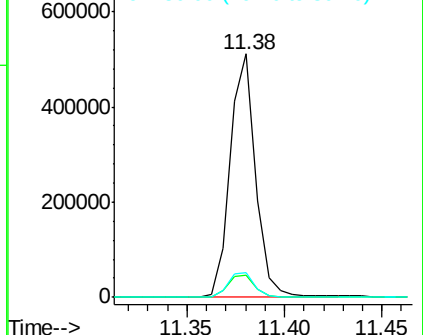
80 9.9 8.6 12.8



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: 2.447 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.24 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

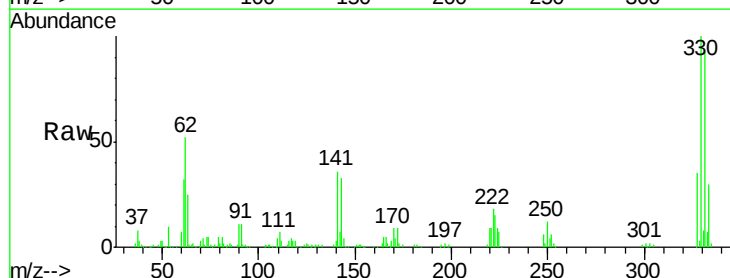
Tgt Ion:248 Resp: 12120

Ion Ratio Lower Upper

248 100

250 201.5 77.8 116.6#

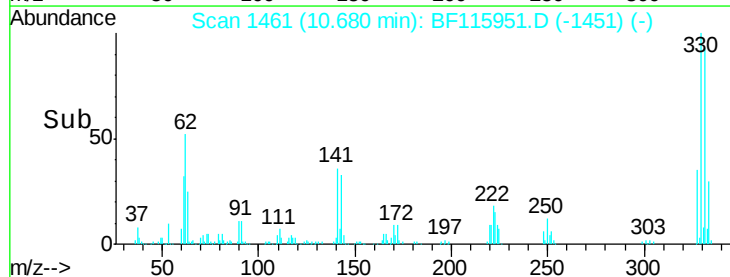
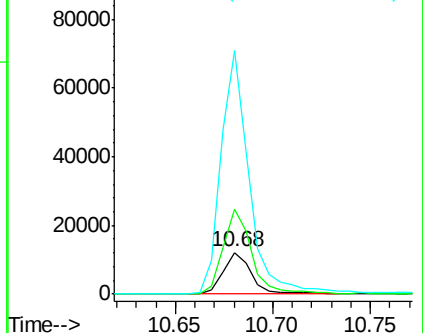
141 582.1 64.3 96.5#

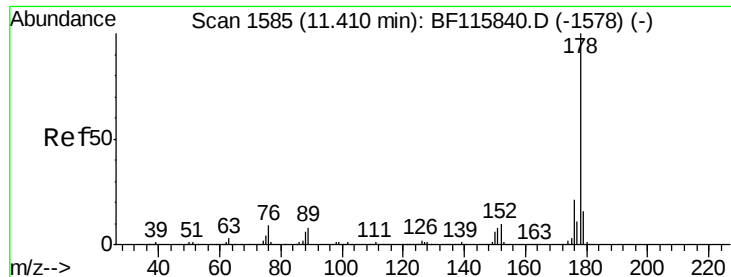


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

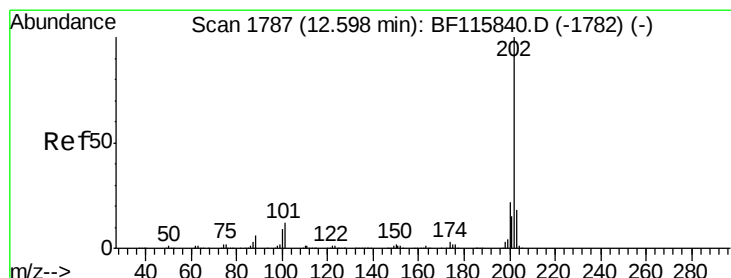
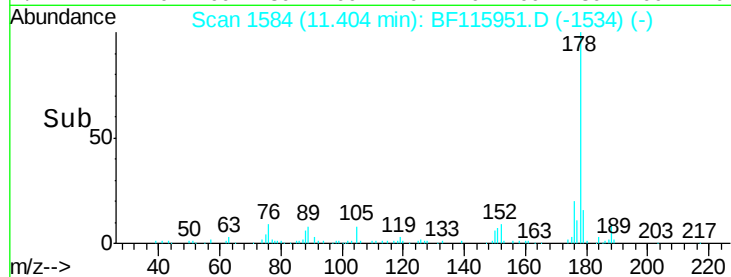
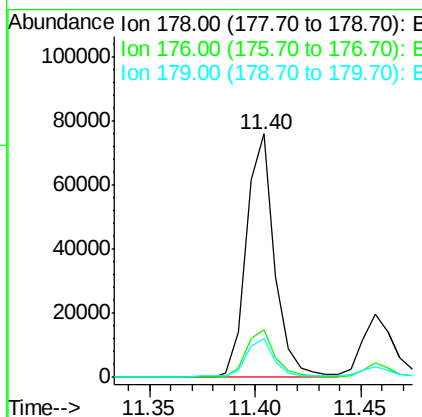
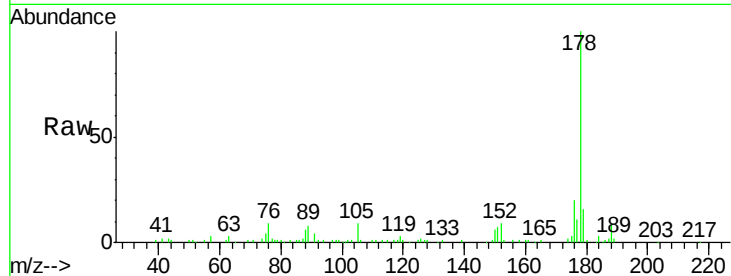




#71
Phenanthrene
Concen: 2.983 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

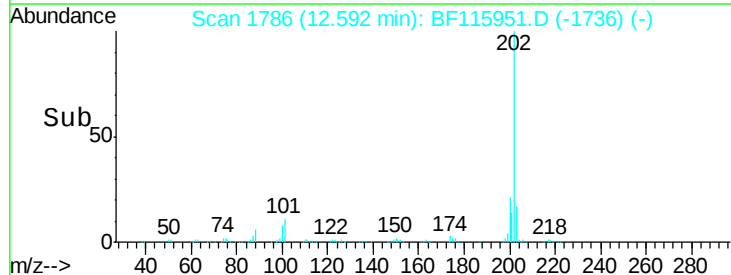
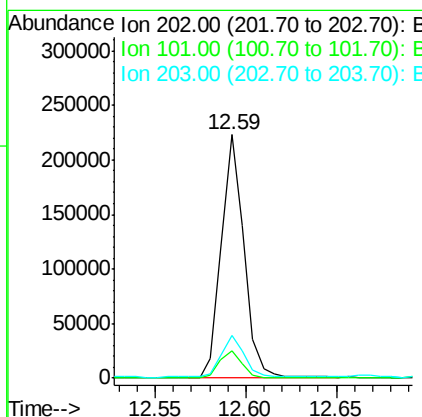
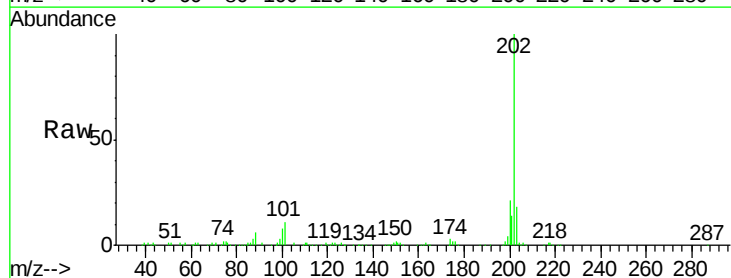
Instrument :
BNA_F
ClientSampleId :
1S-E1-E4-COMP-(30)

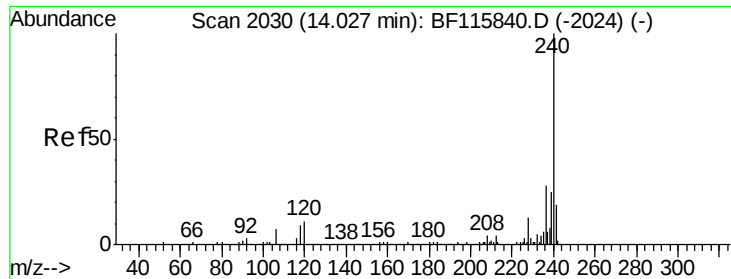
Tot Ion:178 Resp: 70564
Ion Ratio Lower Upper
178 100
176 19.5 16.5 24.7
179 15.8 12.6 18.8



#75
Fluoranthene
Concen: 7.910 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

Tgt Ion:202 Resp: 195897
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.5
203 17.6 0.0 37.9

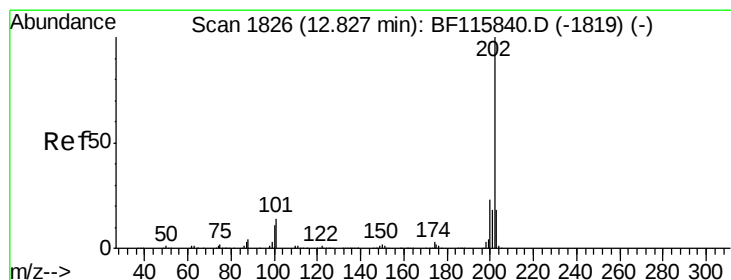
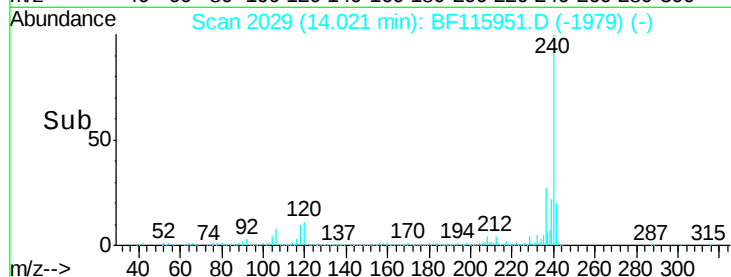
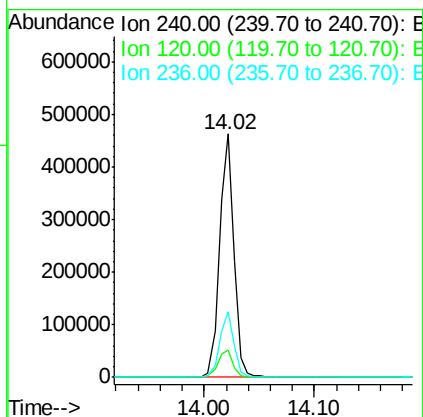
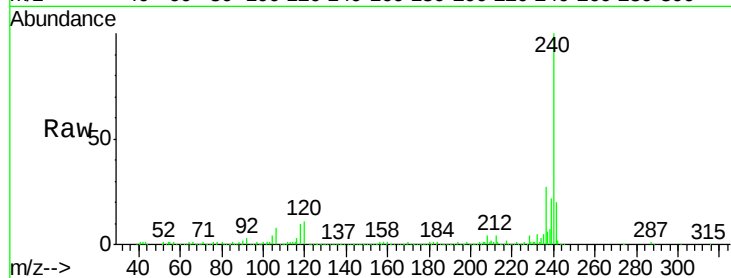




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

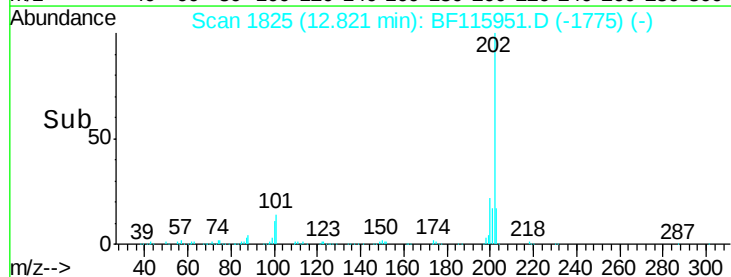
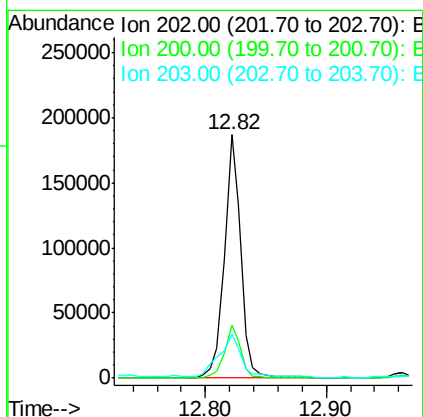
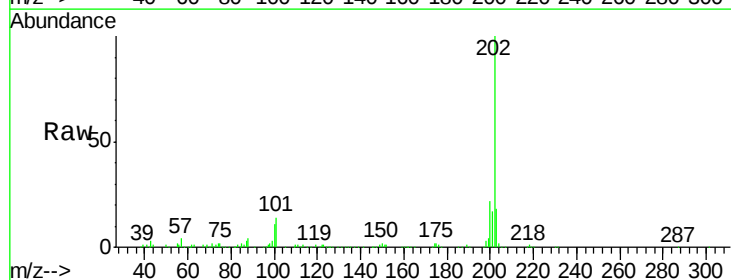
Instrument :
BNA_F
ClientSampleId :
1S-E1-E4-COMP-(30)

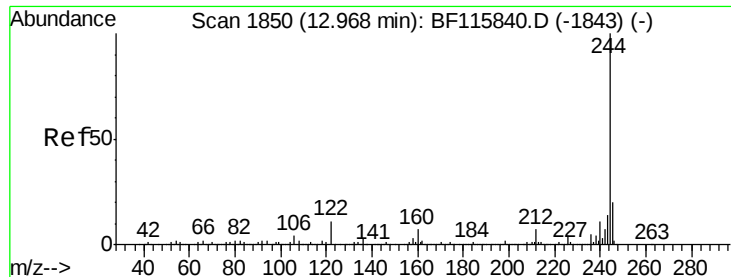
Tot Ion:240 Resp: 416951
Ion Ratio Lower Upper
240 100
120 11.0 8.5 12.7
236 27.1 22.2 33.2



#78
Pyrene
Concen: 5.602 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

Tgt Ion:202 Resp: 176087
Ion Ratio Lower Upper
202 100
200 21.7 18.2 27.2
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 52.967 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

Instrument :

BNA_F

ClientSampleId :

1S-E1-E4-COMP-(30)

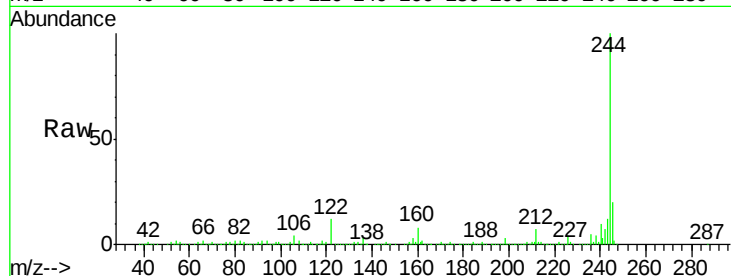
Tot Ion:244 Resp: 1048073

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

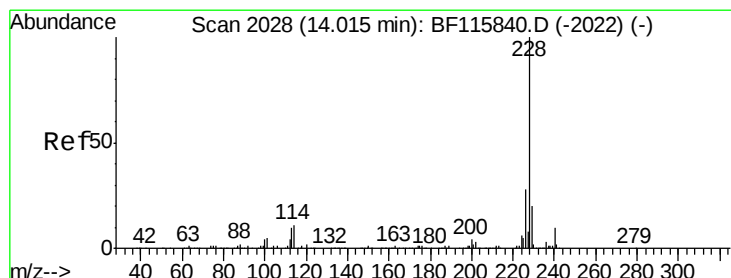
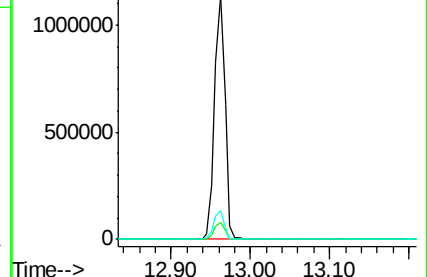
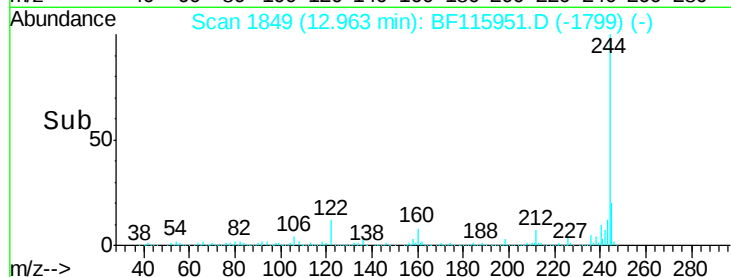
122 11.6 8.6 13.0



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: 4.134 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

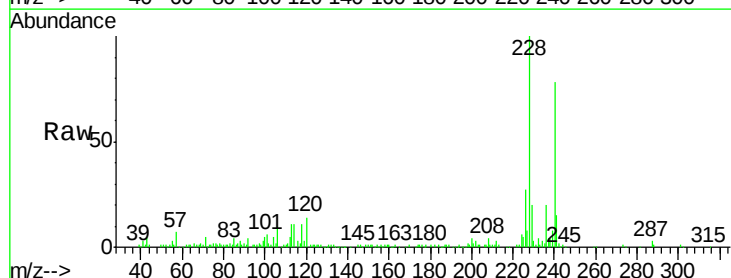
Tgt Ion:228 Resp: 110160

Ion Ratio Lower Upper

228 100

226 27.2 22.5 33.7

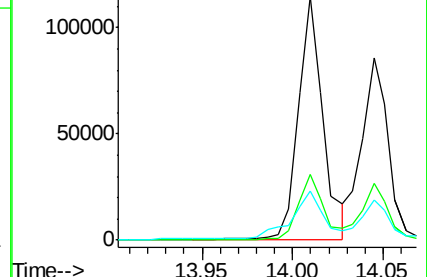
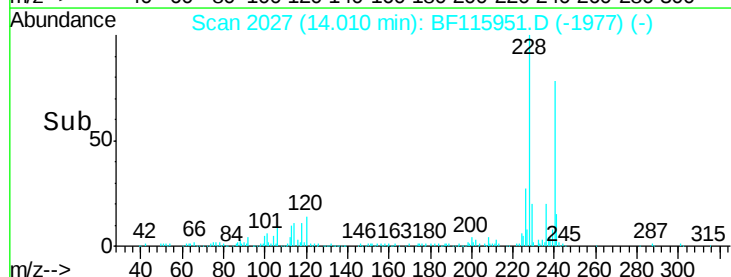
229 20.1 16.1 24.1

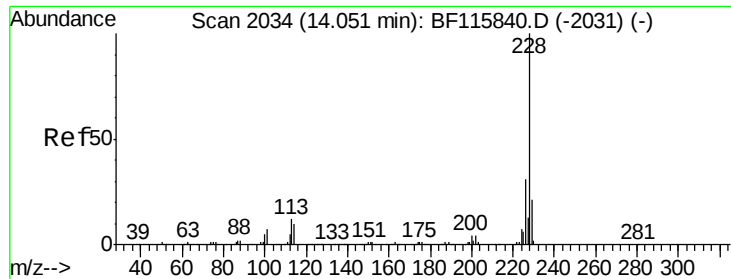


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

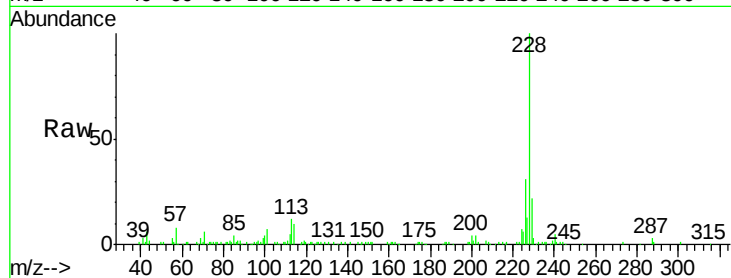




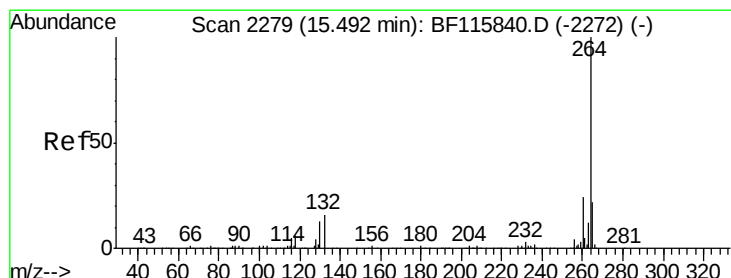
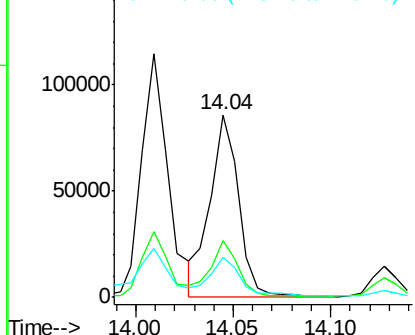
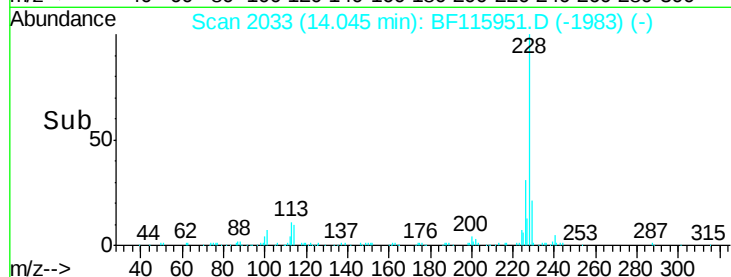
#83
 Chrysene
 Concen: 3.405 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF115951.D
 Acq: 2 Aug 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 1S-E1-E4-COMP-(30)

Tot Ion:228 Resp: 88103
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.8 37.2
 229 22.0 16.4 24.6

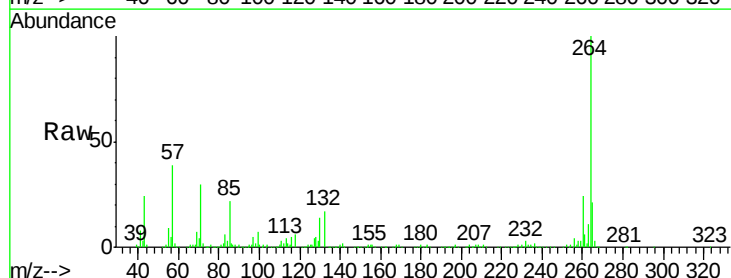


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

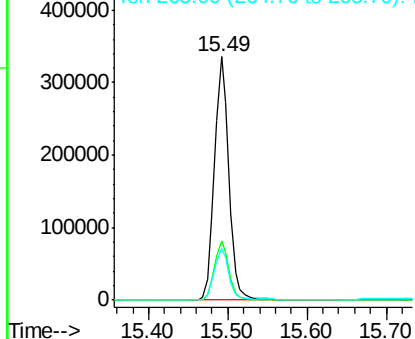
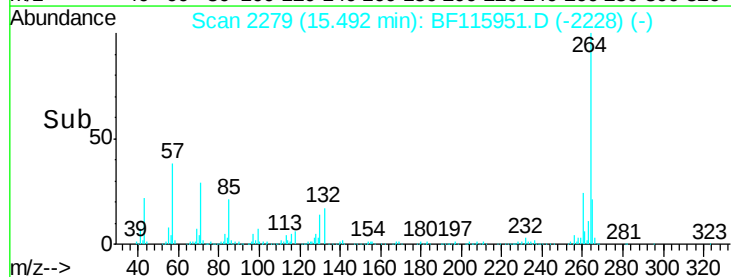


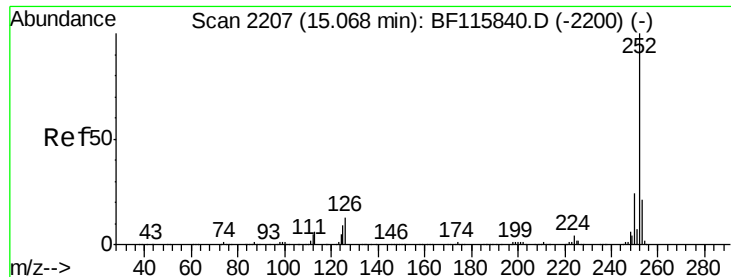
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF115951.D
 Acq: 2 Aug 2019 17:25

Tgt Ion:264 Resp: 424188
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 21.2 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

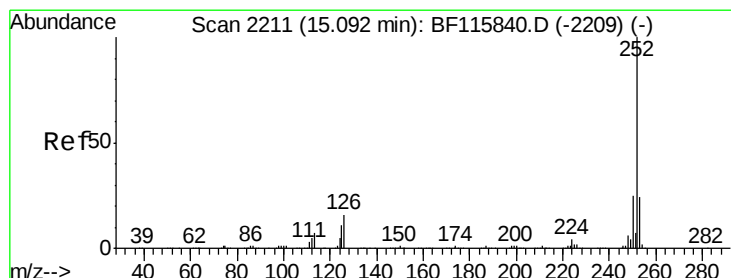
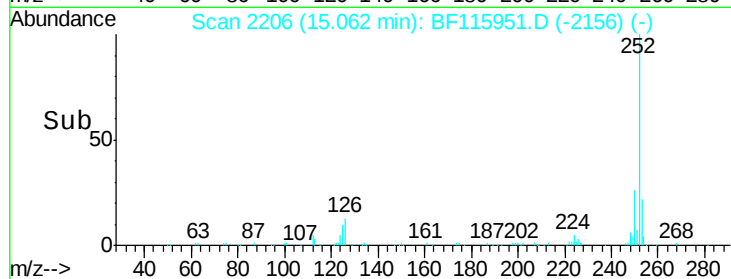
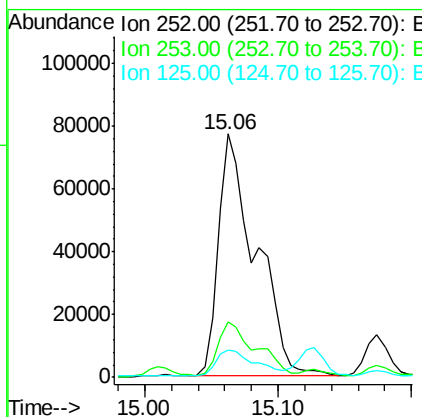
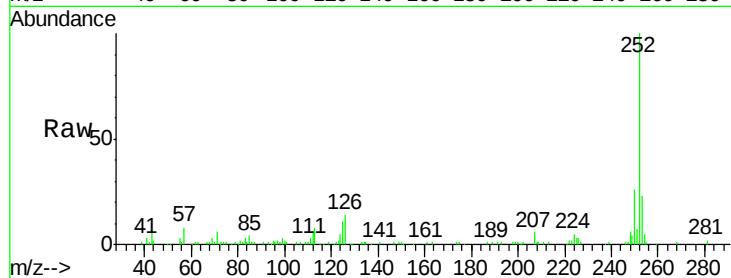




#88
Benzo(b)fluoranthene
Concen: 6.178 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

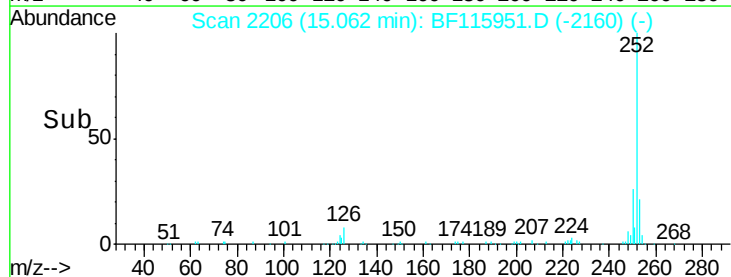
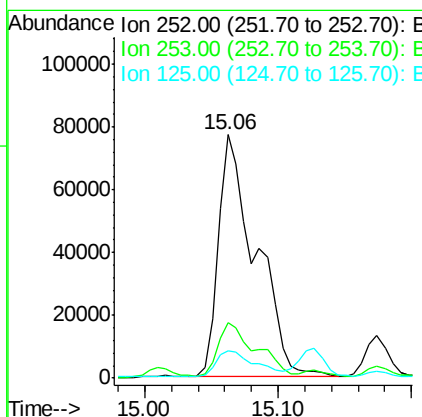
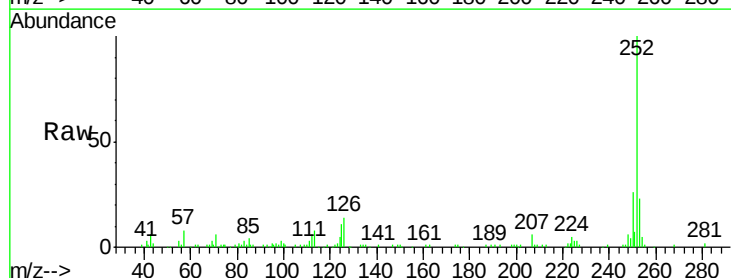
Instrument :
BNA_F
ClientSampleId :
1S-E1-E4-COMP-(30)

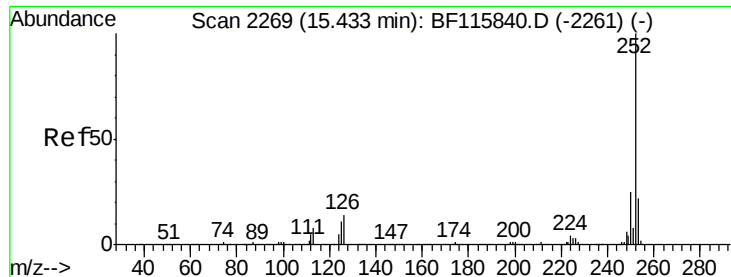
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	11.4	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 6.343 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF115951.D
Acq: 2 Aug 2019 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	11.4	8.9	13.3





#90

Benzo(a)pyrene

Concen: 3.628 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

Instrument :

BNA_F

ClientSampleId :

1S-E1-E4-COMP-(30)

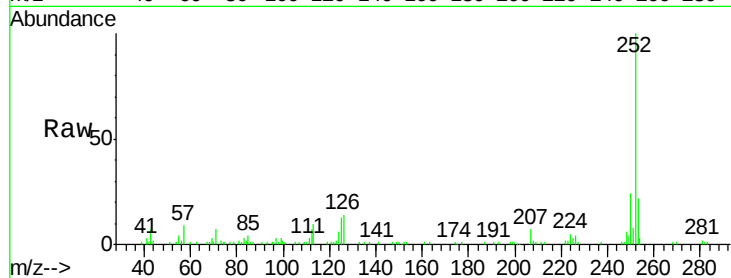
Tot Ion:252 Resp: 79540

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

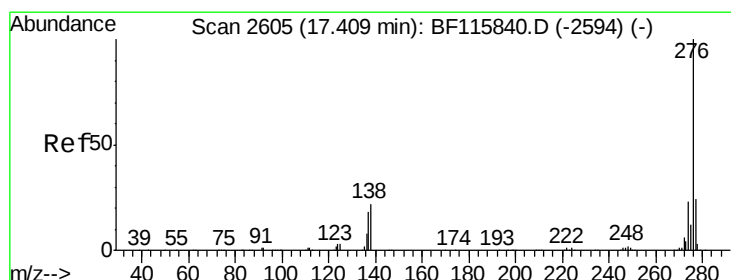
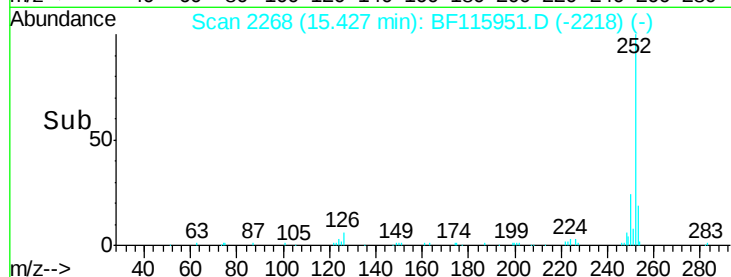
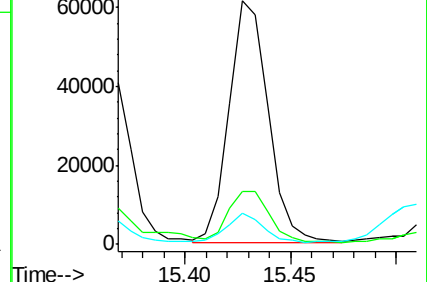
125 12.5 8.8 13.2



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: 2.016 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF115951.D

Acq: 2 Aug 2019 17:25

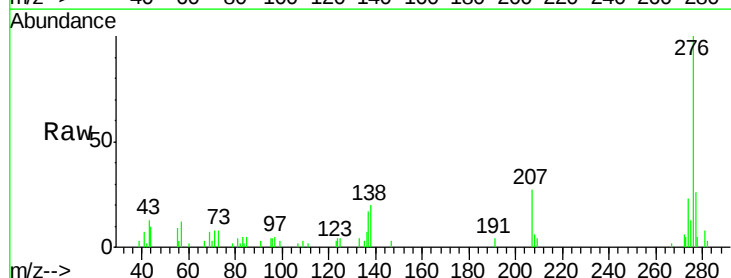
Tgt Ion:276 Resp: 37582

Ion Ratio Lower Upper

276 100

277 25.6 19.5 29.3

138 20.3 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

