

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115957.D
 Acq On : 2 Aug 2019 20:04
 Operator : HP/JU
 Sample : K4130-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-L-(0-30)-COMP

Quant Time: Aug 02 23:44:29 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	126124	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	493526	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	268318	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	493054	20.00	ng	0.00
76) Chrysene-d12	14.02	240	400543	20.00	ng	0.00
87) Perylene-d12	15.49	264	379548	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	739079	98.10	ng	0.00
7) Phenol-d6	6.48	99	971807	102.24	ng	0.00
23) Nitrobenzene-d5	7.41	82	605133	70.78	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	264356	101.62	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1033223	72.13	ng	0.00
79) Terphenyl-d14	12.96	244	1222796	64.33	ng	0.00

Target Compounds

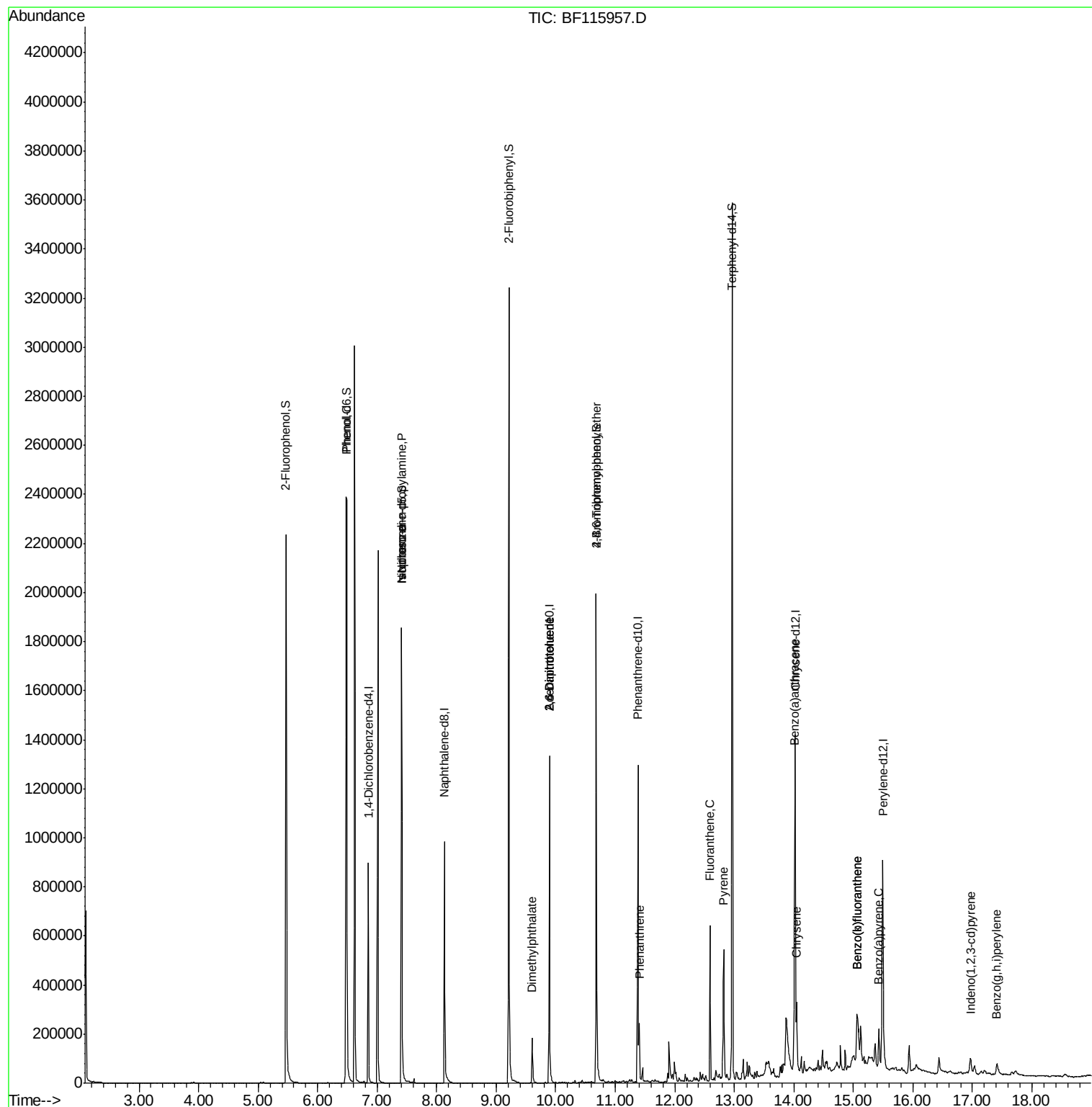
						Qvalue
10) Phenol	6.49	94	53451	4.775	ng	91
19) n-Nitroso-di-n-propylamine	7.41	70	81428	13.824	ng	# 78
25) Isophorone	7.41	82	605204	37.018	ng	# 66
50) Dimethylphthalate	9.60	163	87471	4.788	ng	99
51) 2,6-Dinitrotoluene	9.89	165	34595	8.714	ng	# 28
57) 2,4-Dinitrotoluene	9.89	165	34595	6.545	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	16300	3.088	ng	# 1
71) Phenanthrene	11.40	178	90585	3.594	ng	97
75) Fluoranthene	12.59	202	243240	9.218	ng	98
78) Pyrene	12.82	202	211783	7.014	ng	98
81) Benzo(a)anthracene	14.01	228	116106	4.535	ng	99
83) Chrysene	14.05	228	88977	3.580	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	41843	2.004	ng	97
88) Benzo(b)fluoranthene	15.06	252	136289	6.210	ng	# 97
89) Benzo(k)fluoranthene	15.06	252	136289	6.376	ng	97
90) Benzo(a)pyrene	15.43	252	72102	3.675	ng	98
92) Benzo(a,h,i)perylene	17.41	276	40558	2.432	ng	97

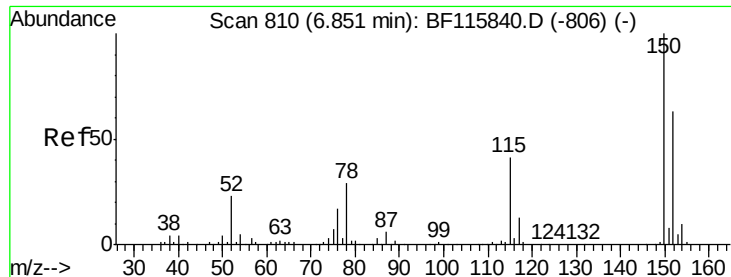
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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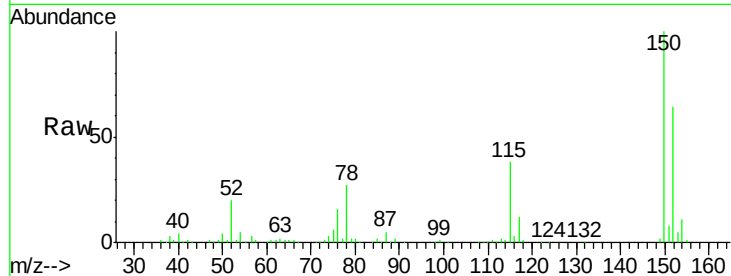


#1

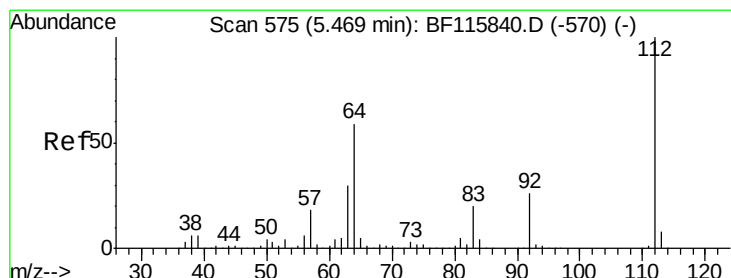
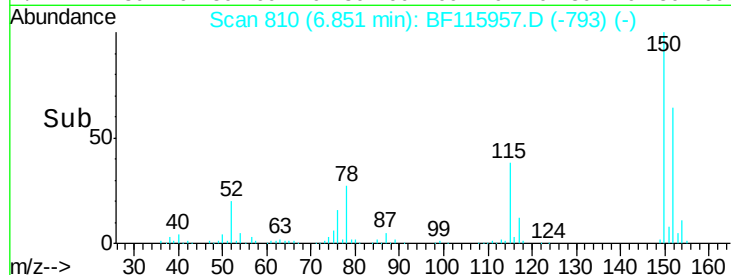
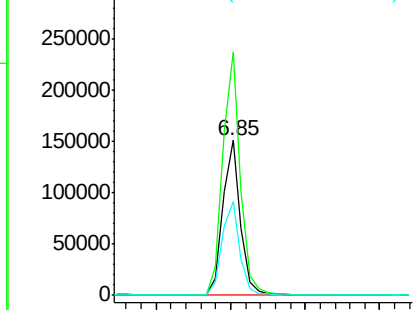
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

Tot Ion:152 Resp: 126124
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.0
115 60.3 51.8 77.8



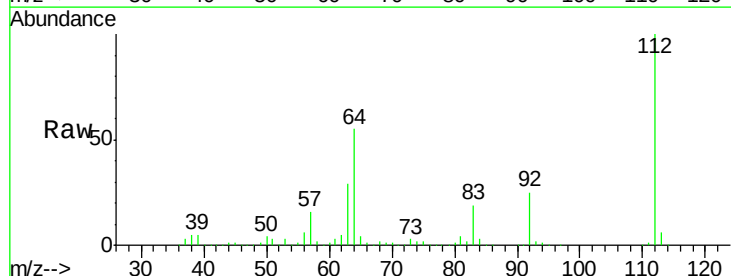
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



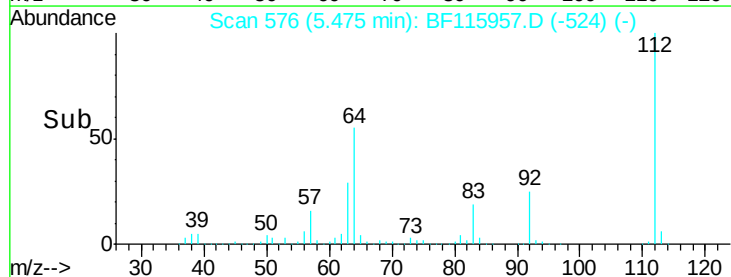
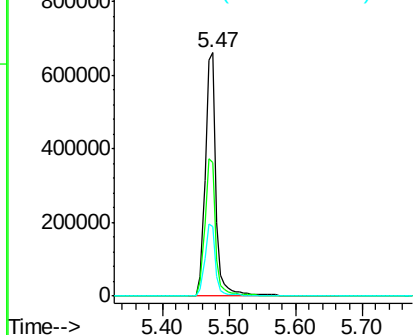
#5

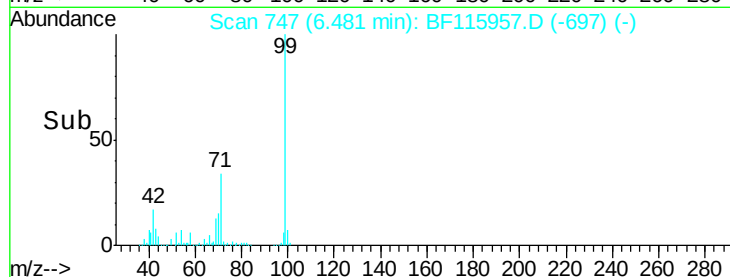
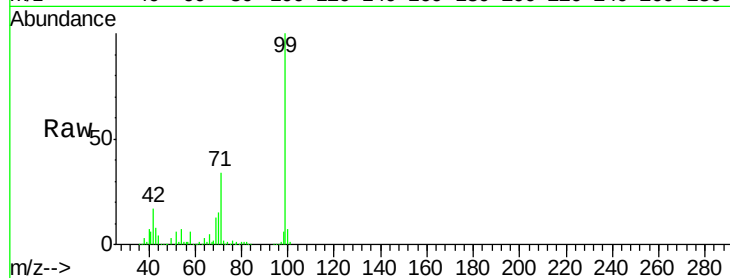
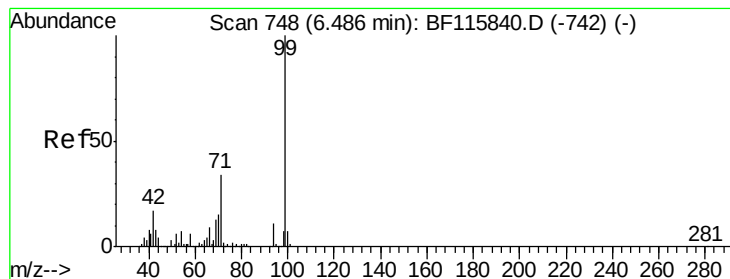
2-Fluorophenol
Concen: 98.099 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion:112 Resp: 739079
Ion Ratio Lower Upper
112 100
64 54.6 46.8 70.2
63 28.7 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: 102.236 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115957.D

Acq: 2 Aug 2019 20:04

Instrument :

BNA_F

ClientSampleId :

1S-L-(0-30)-COMP

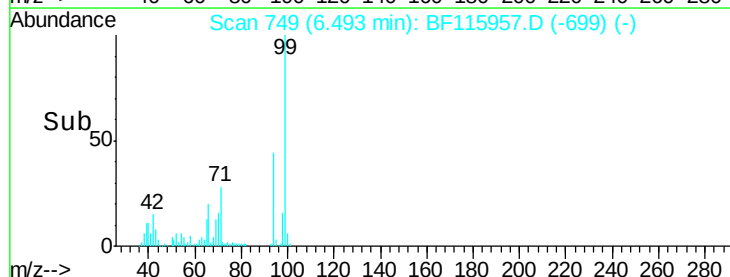
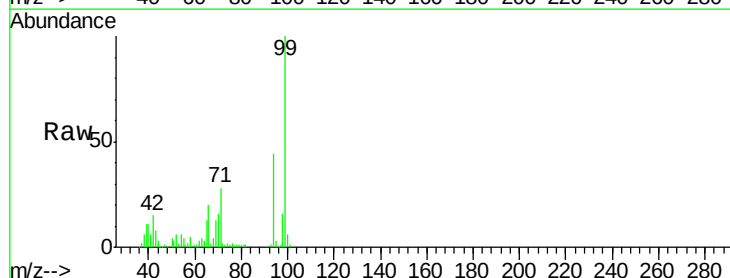
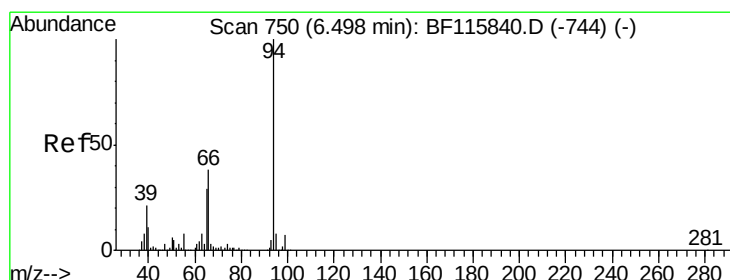
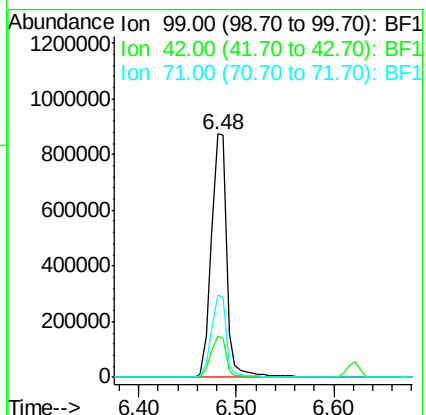
Tot Ion: 99 Resp: 971807

Ion Ratio Lower Upper

99 100

42 17.3 13.8 20.6

71 34.0 27.1 40.7



#10

Phenol

Concen: 4.775 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115957.D

Acq: 2 Aug 2019 20:04

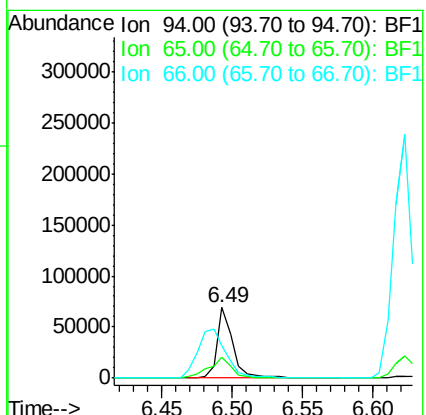
Tgt Ion: 94 Resp: 53451

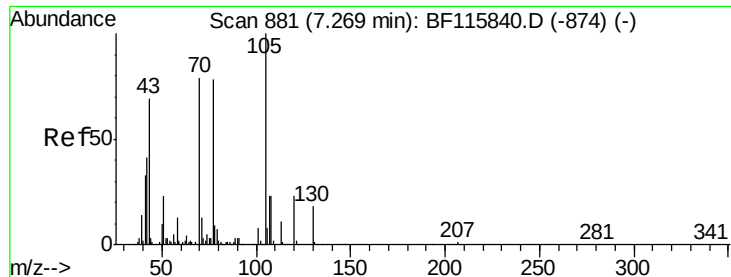
Ion Ratio Lower Upper

94 100

65 30.2 8.9 48.9

66 46.1 18.0 58.0

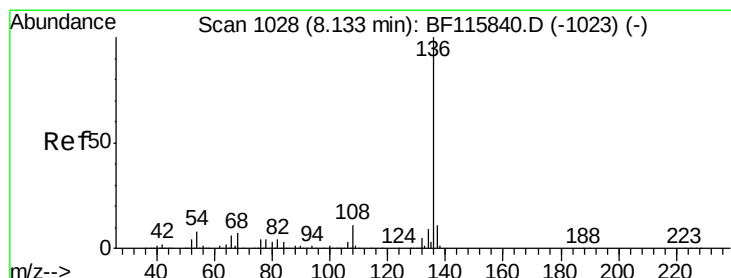
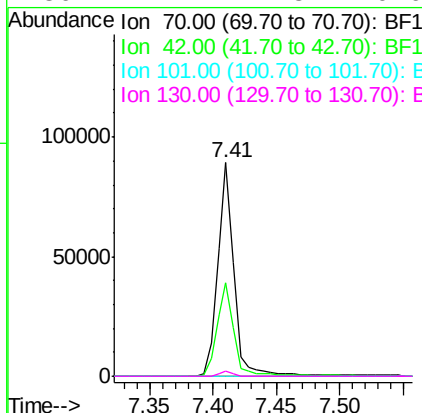
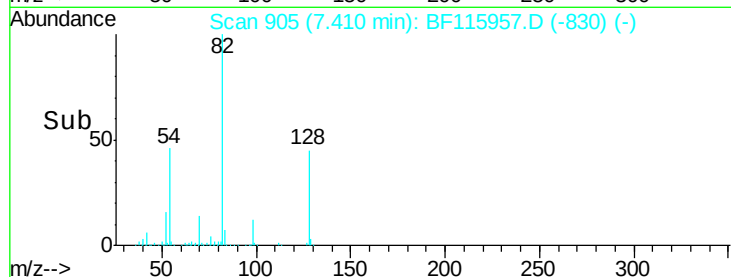
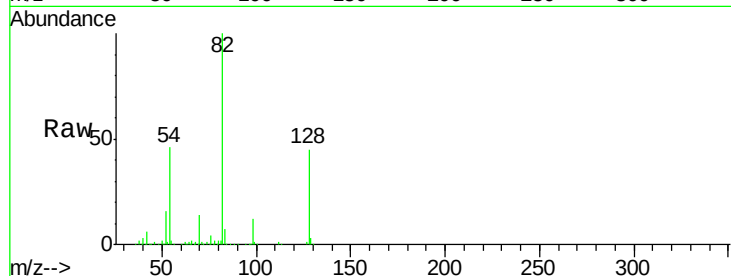




#19
n-Nitroso-di-n-propylamine
Concen: 13.824 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

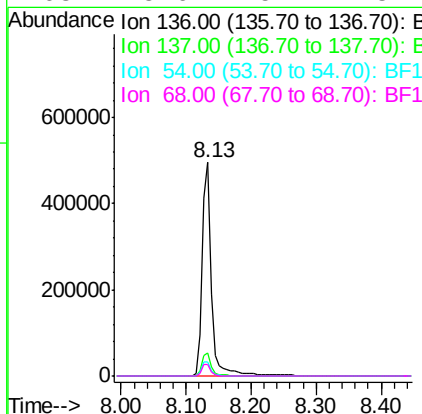
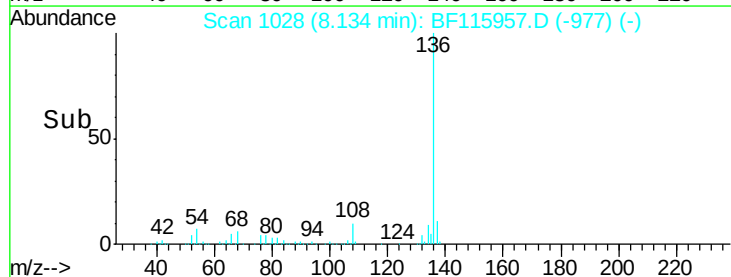
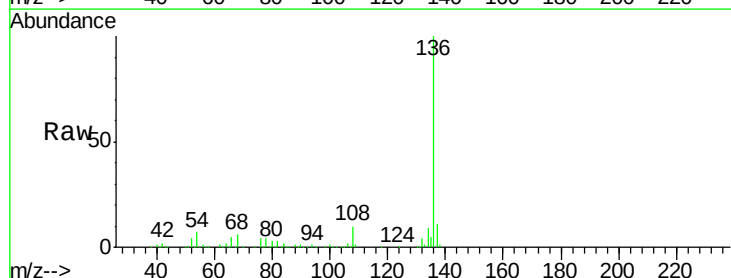
Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

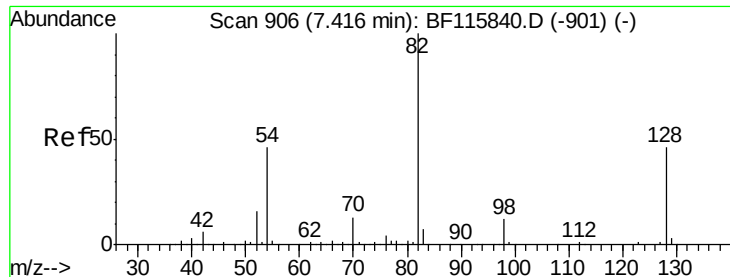
Tot Ion: 70 Resp: 81428
Ion Ratio Lower Upper
70 100
42 43.8 41.8 62.8
101 0.0 7.7 11.5#
130 2.2 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion: 136 Resp: 493526
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.7 6.1 9.1
68 5.6 5.4 8.2

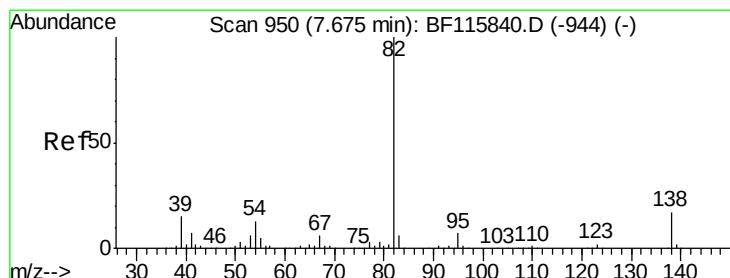
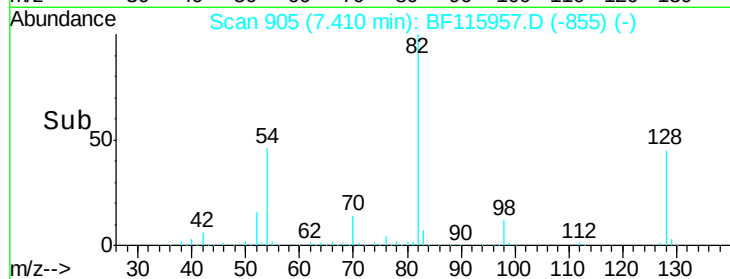
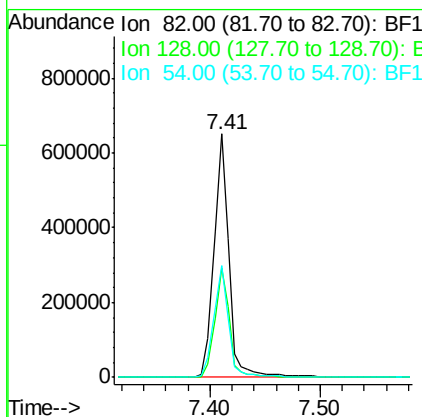
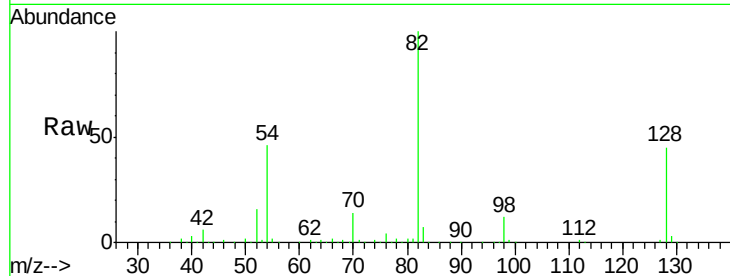




#23
 Nitrobenzene-d5
 Concen: 70.777 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115957.D
 Acq: 2 Aug 2019 20:04

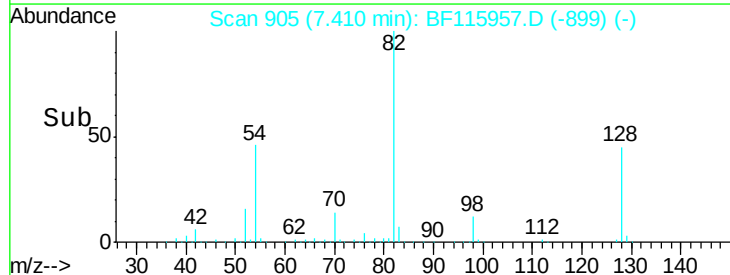
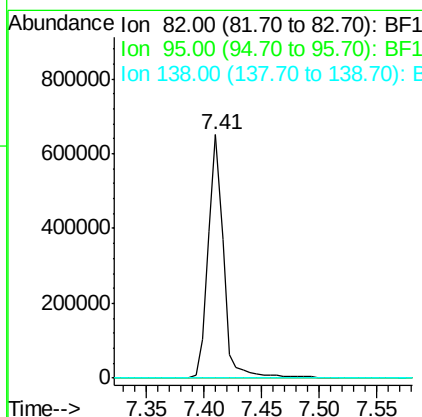
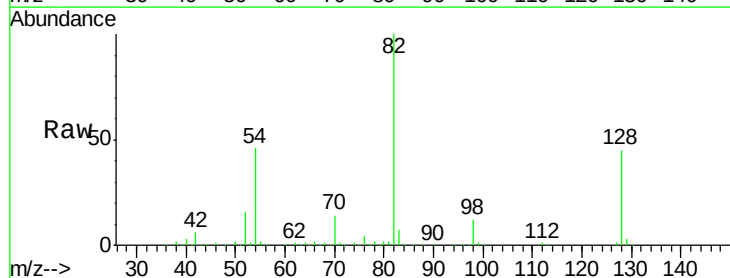
Instrument :
 BNA_F
 ClientSampleId :
 1S-L-(0-30)-COMP

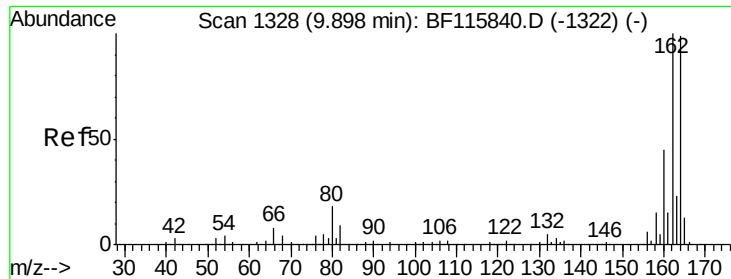
Tot Ion: 82 Resp: 605133
 Ion Ratio Lower Upper
 82 100
 128 45.1 36.6 55.0
 54 45.8 36.6 55.0



#25
 Isophorone
 Concen: 37.018 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF115957.D
 Acq: 2 Aug 2019 20:04

Tgt Ion: 82 Resp: 605204
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.5 8.3#
 138 0.0 13.9 20.9#

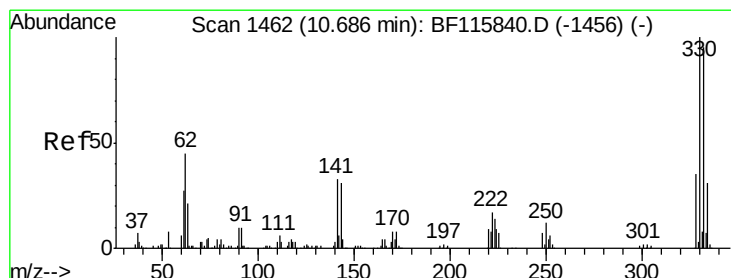
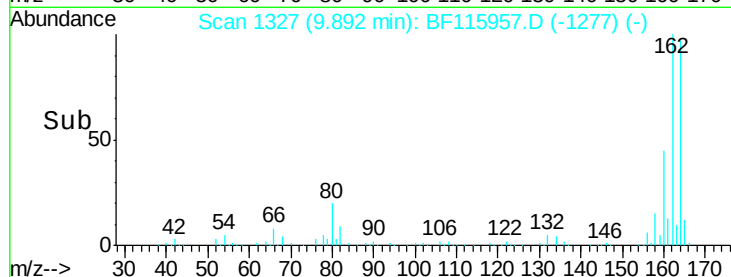
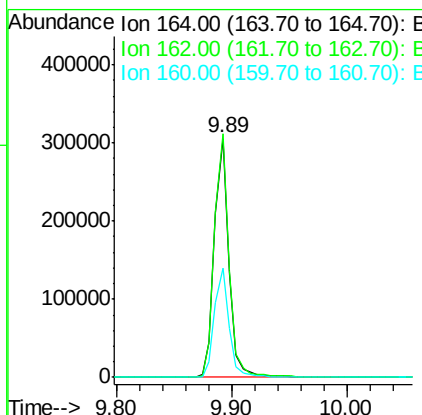
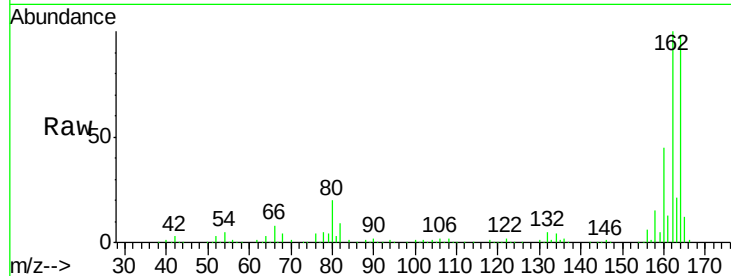




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

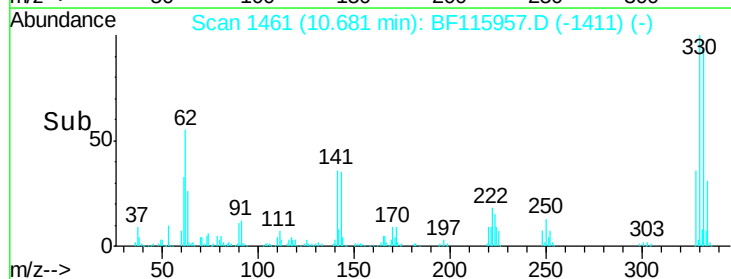
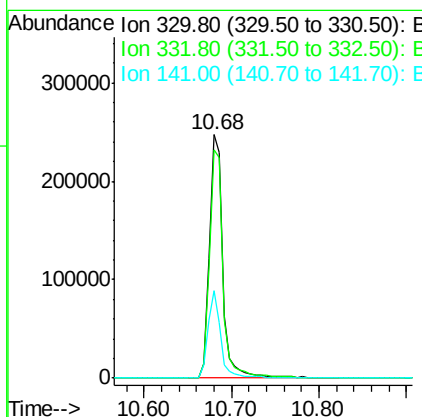
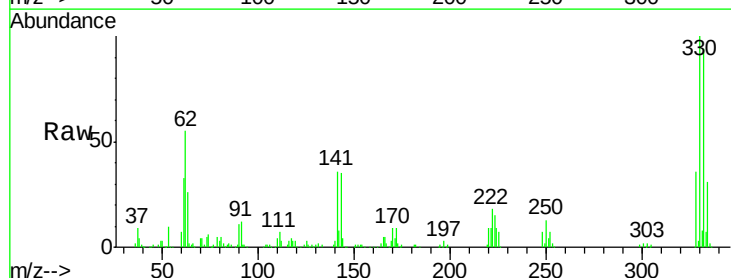
Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

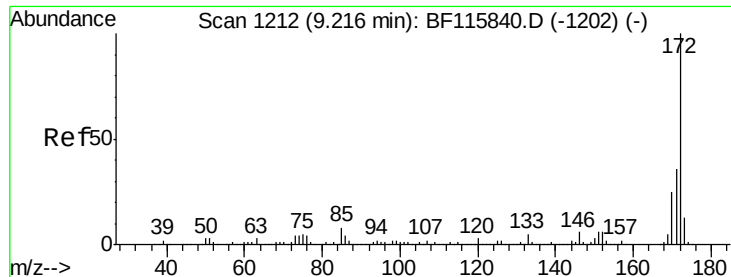
Tot Ion:164 Resp: 268318
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 45.8 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 101.620 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion:330 Resp: 264356
Ion Ratio Lower Upper
330 100
332 95.9 77.7 116.5
141 34.2 28.1 42.1

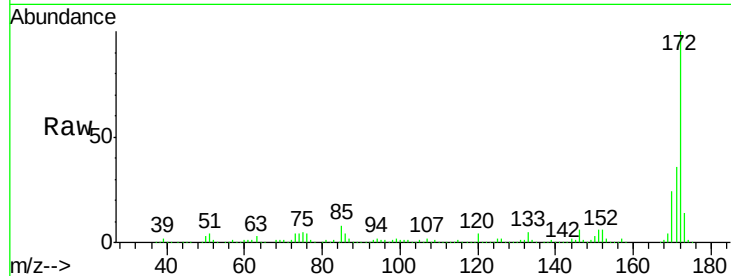




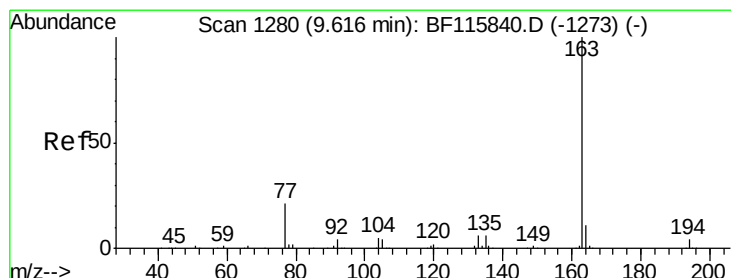
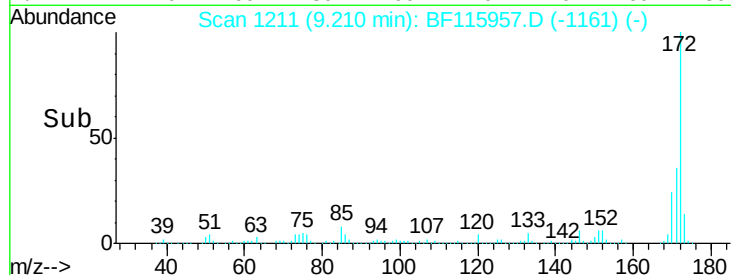
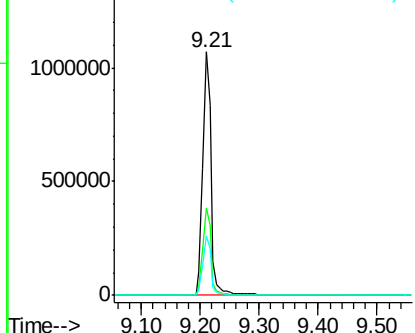
#45
2-Fluorobiphenyl
Concen: 72.127 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

Tot Ion:172 Resp: 1033223
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 24.4 20.1 30.1

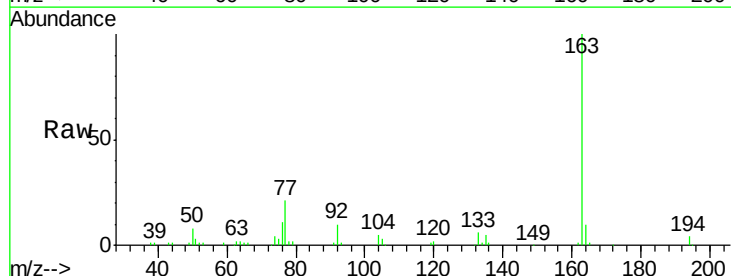


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

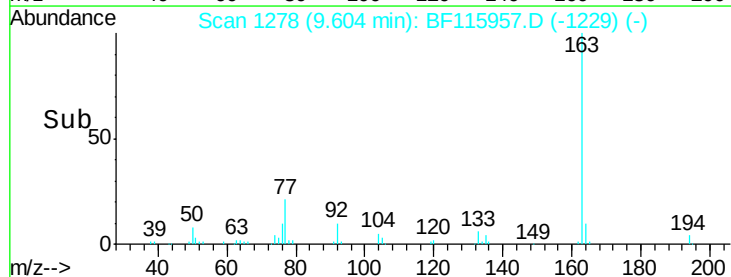
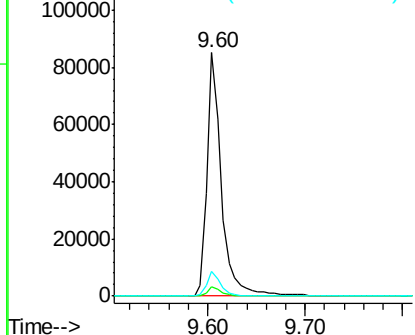


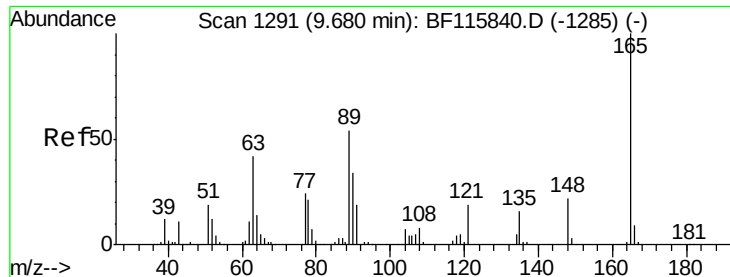
#50
Dimethylphthalate
Concen: 4.788 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion:163 Resp: 87471
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.3 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

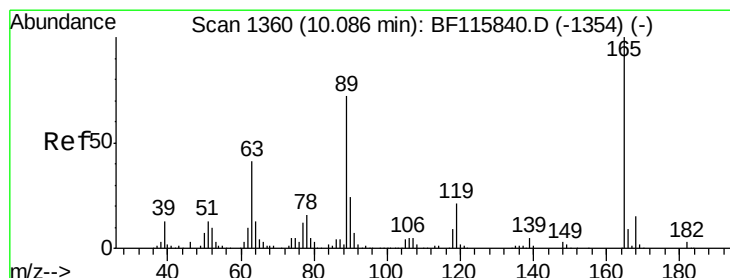
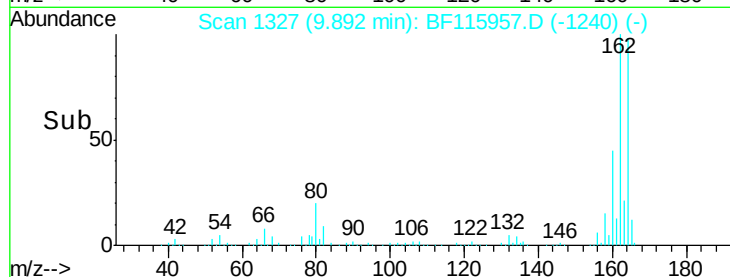
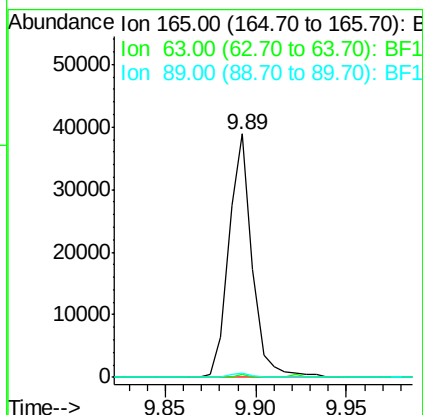
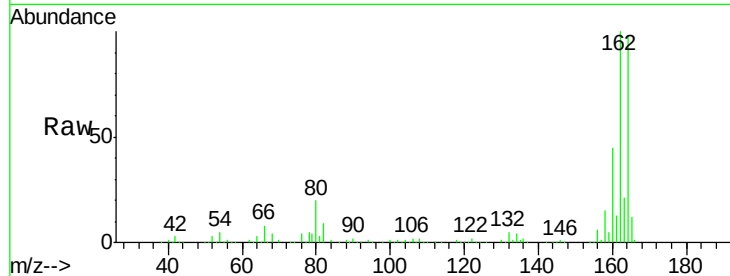




#51
 2,6-Dinitrotoluene
 Concen: 8.714 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF115957.D
 Acq: 2 Aug 2019 20:04

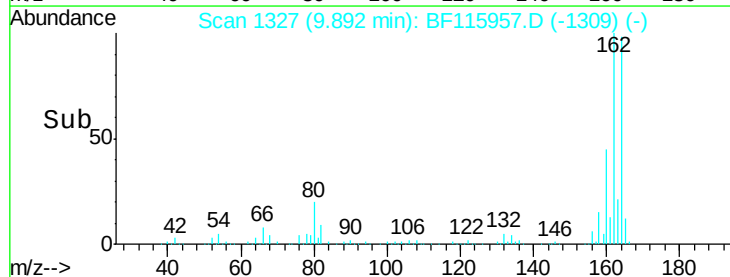
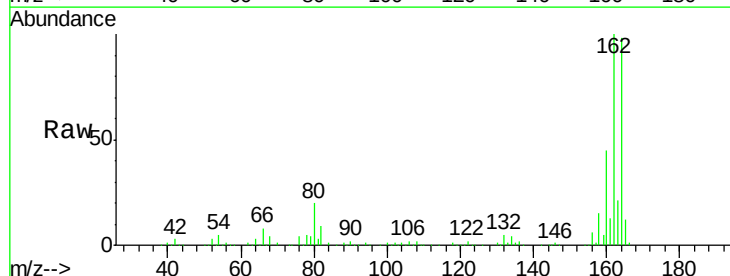
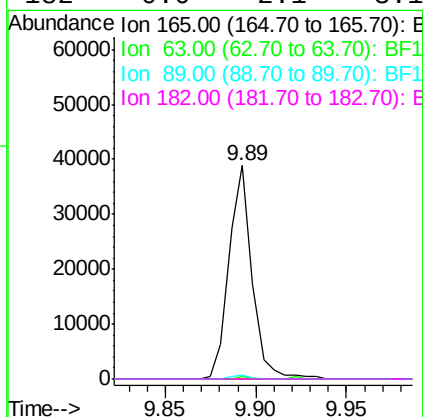
Instrument :
 BNA_F
 ClientSampleId :
 1S-L-(0-30)-COMP

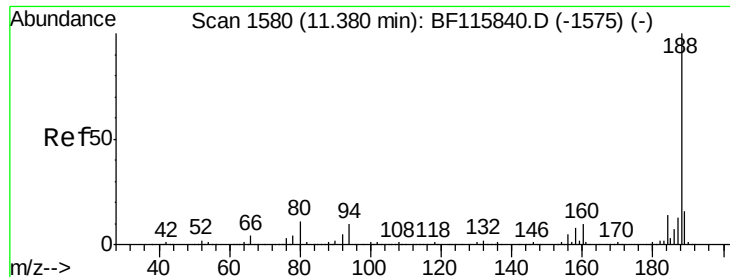
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.4	59.2#
89	1.6	43.0	64.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.545 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF115957.D
 Acq: 2 Aug 2019 20:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	33.2	49.8#
89	1.6	57.3	85.9#
182	0.0	2.1	3.1#

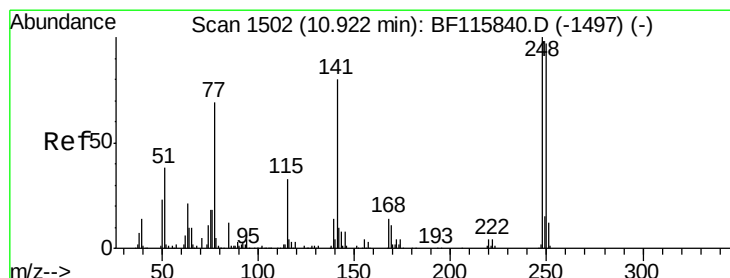
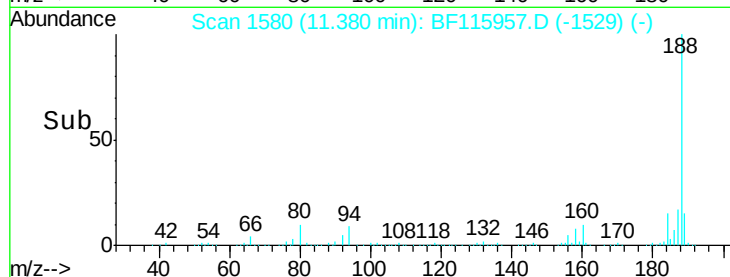
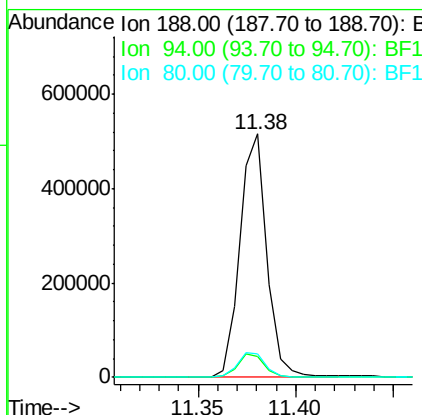
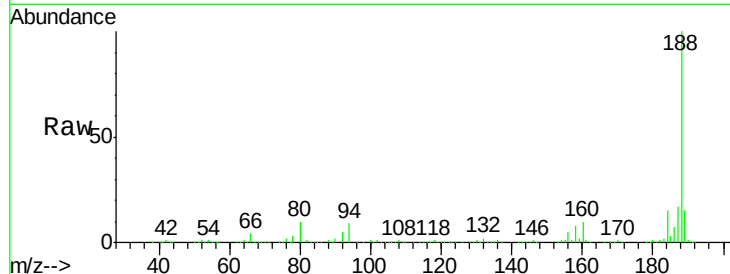




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF115957.D
 Acq: 2 Aug 2019 20:04

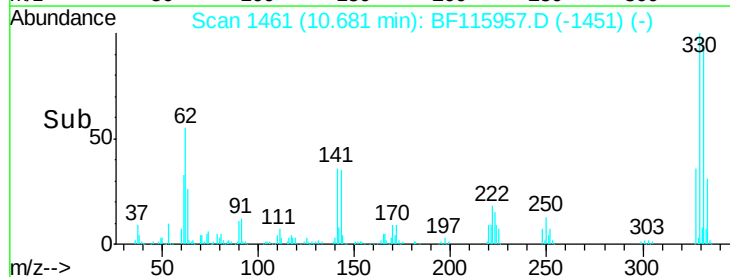
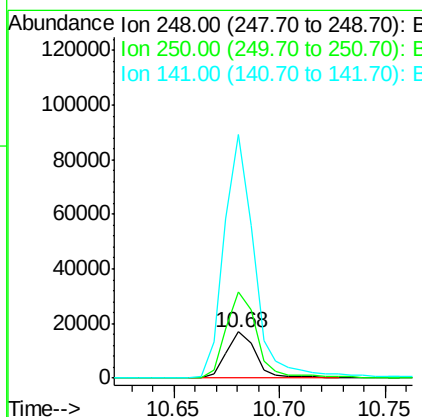
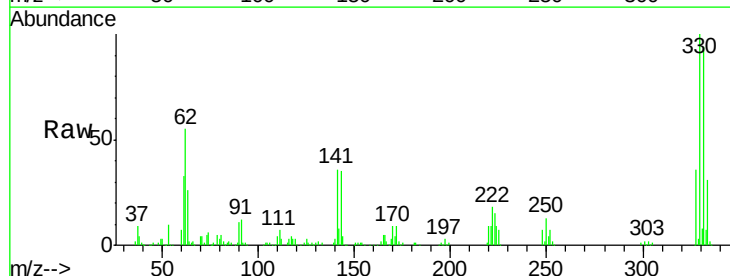
Instrument :
 BNA_F
 ClientSampleId :
 1S-L-(0-30)-COMP

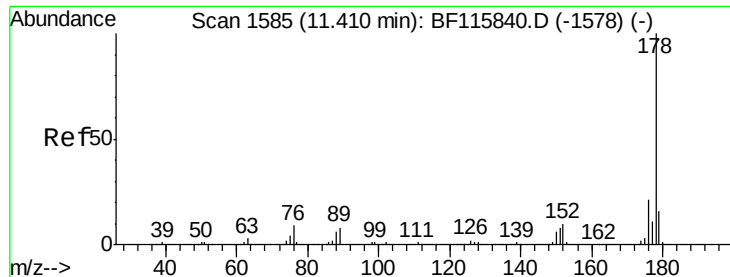
Tot Ion:188 Resp: 493054
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.0 12.0
 80 9.5 8.6 12.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.088 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF115957.D
 Acq: 2 Aug 2019 20:04

Tgt Ion:248 Resp: 16300
 Ion Ratio Lower Upper
 248 100
 250 184.9 77.8 116.6#
 141 525.7 64.3 96.5#





#71

Phenanthrene

Concen: 3.594 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115957.D

Acq: 2 Aug 2019 20:04

Instrument :

BNA_F

ClientSampleId :

1S-L-(0-30)-COMP

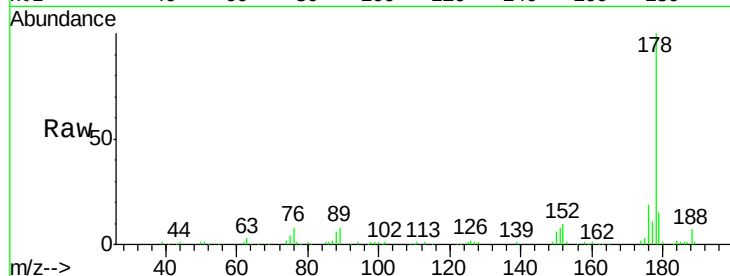
Tot Ion:178 Resp: 90585

Ion Ratio Lower Upper

178 100

176 18.6 16.5 24.7

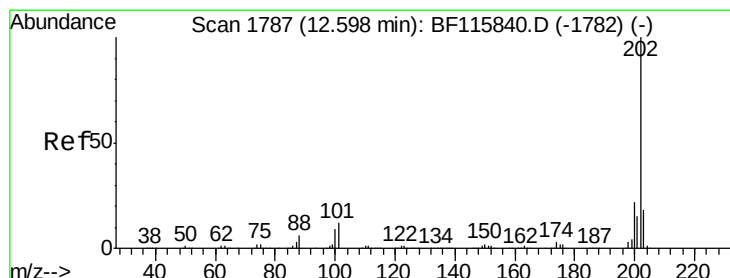
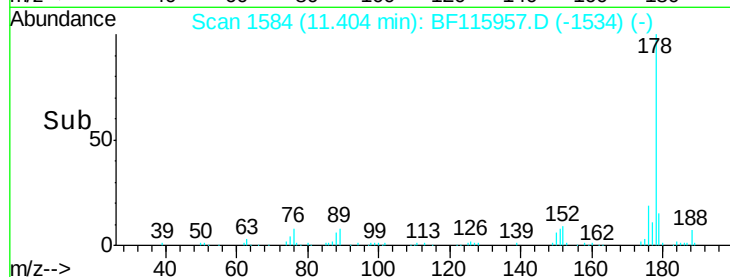
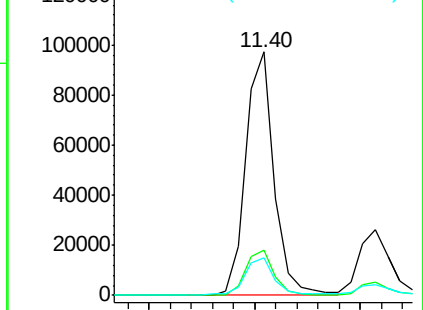
179 15.3 12.6 18.8



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



#75

Fluoranthene

Concen: 9.218 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115957.D

Acq: 2 Aug 2019 20:04

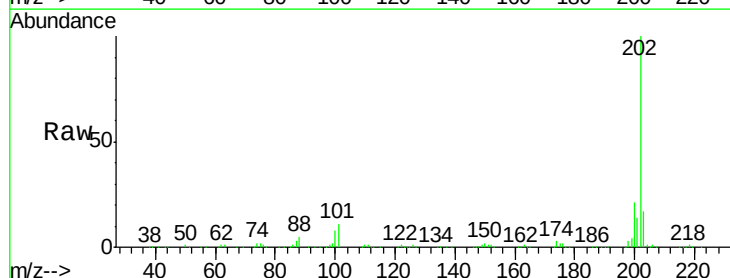
Tgt Ion:202 Resp: 243240

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.5

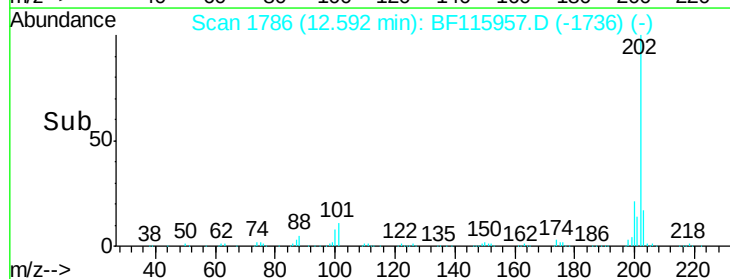
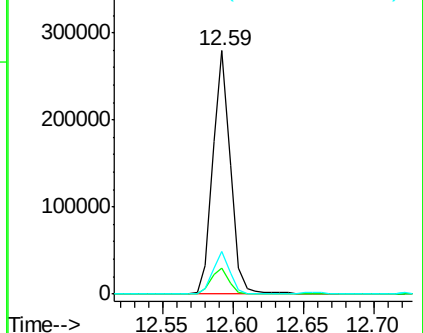
203 17.3 0.0 37.9

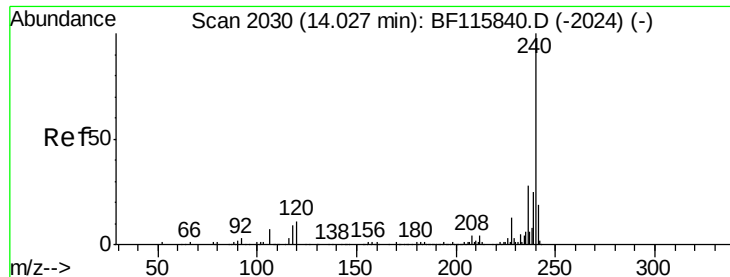


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

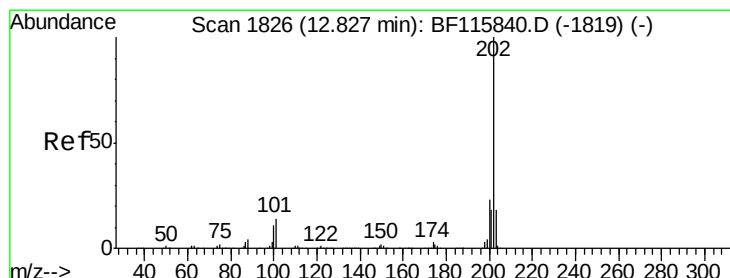
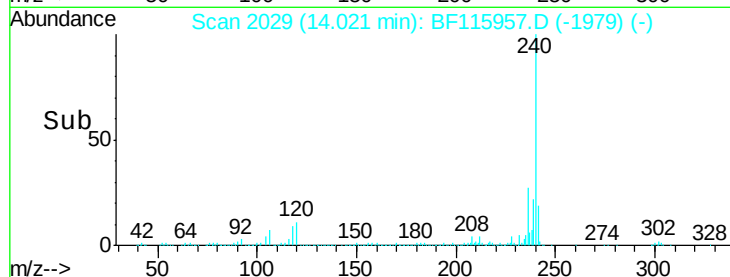
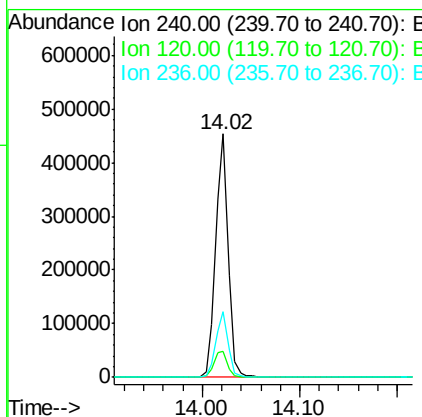
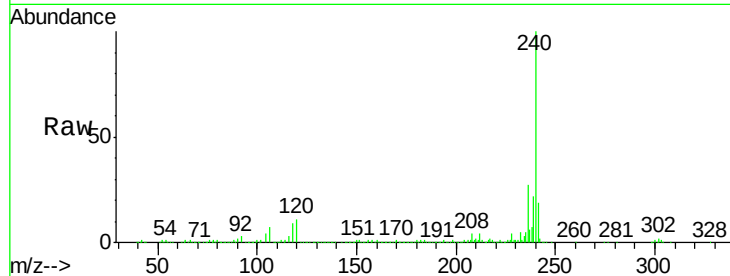




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

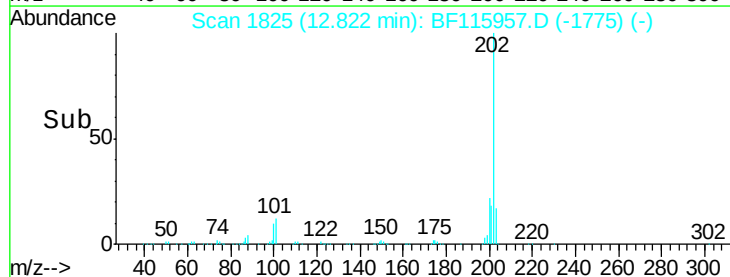
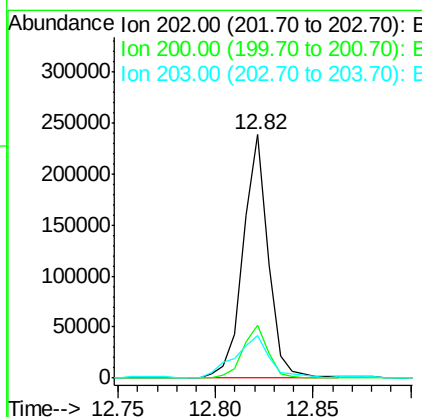
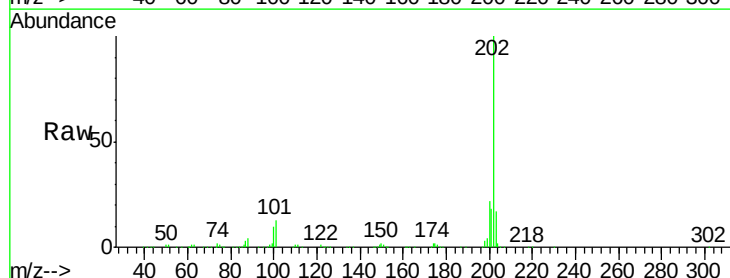
Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

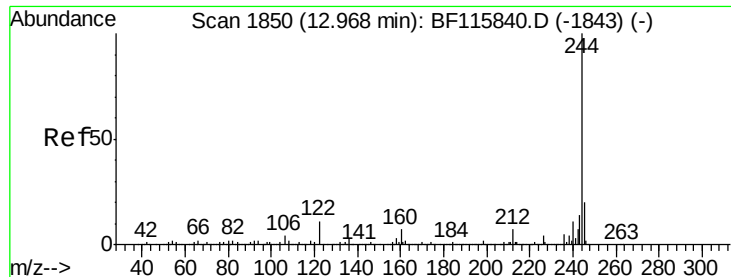
Tot Ion:240 Resp: 400543
Ion Ratio Lower Upper
240 100
120 10.8 8.5 12.7
236 27.2 22.2 33.2



#78
Pyrene
Concen: 7.014 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion:202 Resp: 211783
Ion Ratio Lower Upper
202 100
200 21.6 18.2 27.2
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 64.329 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115957.D

Acq: 2 Aug 2019 20:04

Instrument :

BNA_F

ClientSampleId :

1S-L-(0-30)-COMP

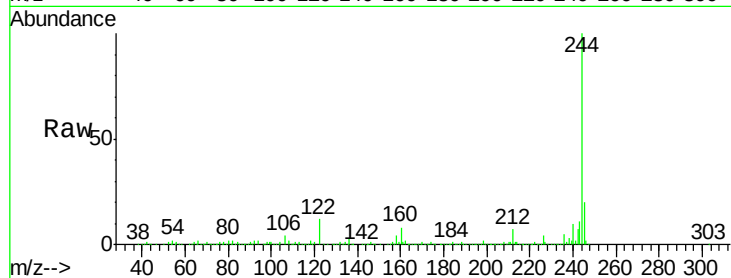
Tot Ion:244 Resp: 1222796

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

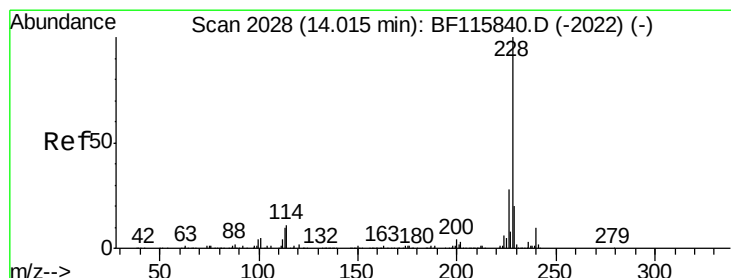
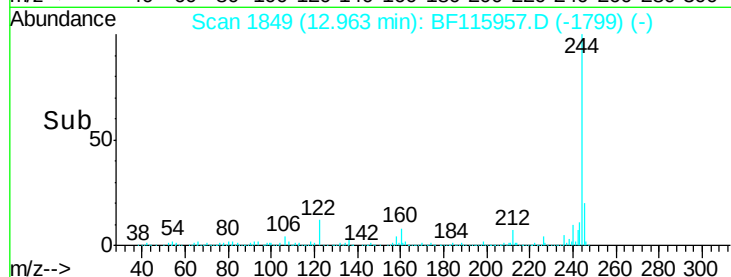
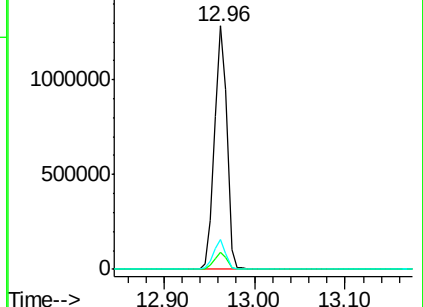
122 12.1 8.6 13.0



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: 4.535 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115957.D

Acq: 2 Aug 2019 20:04

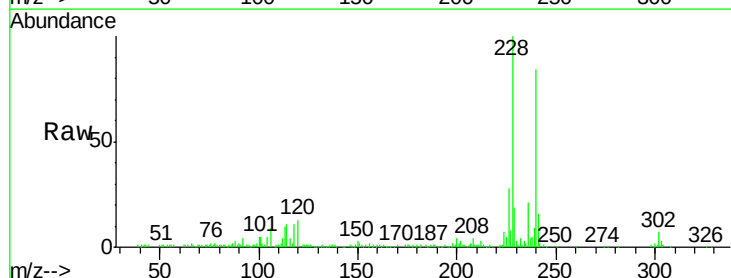
Tgt Ion:228 Resp: 116106

Ion Ratio Lower Upper

228 100

226 28.4 22.5 33.7

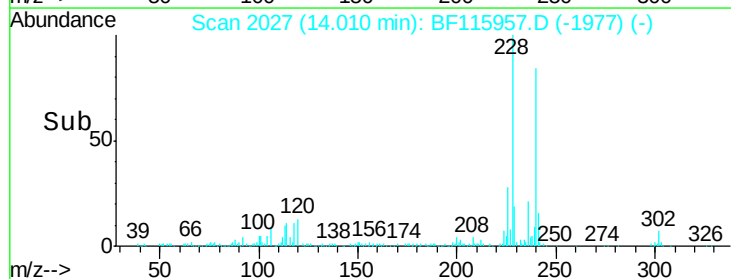
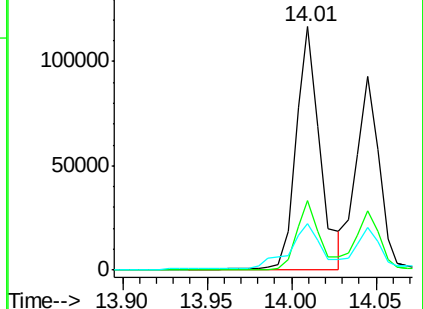
229 19.3 16.1 24.1

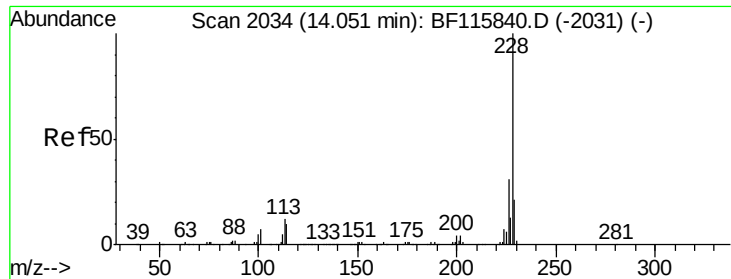


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

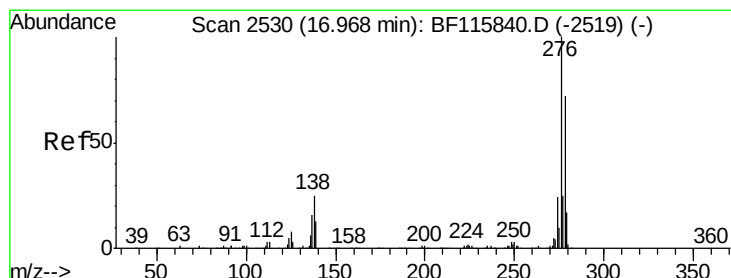
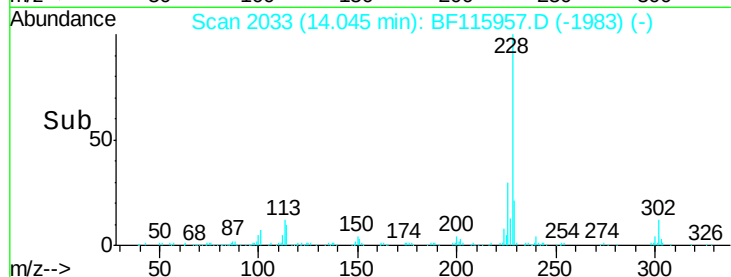
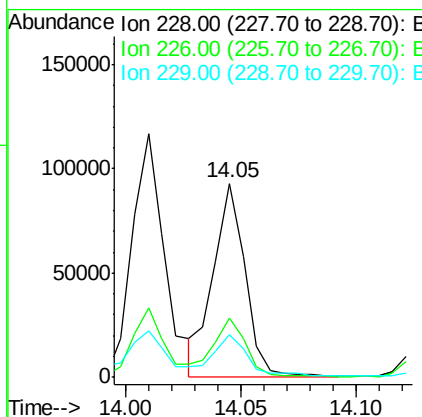
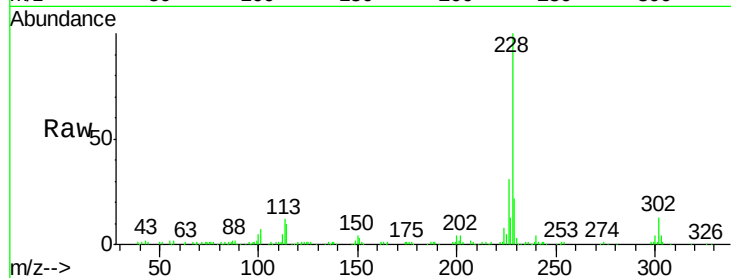




#83
Chrysene
Concen: 3.580 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

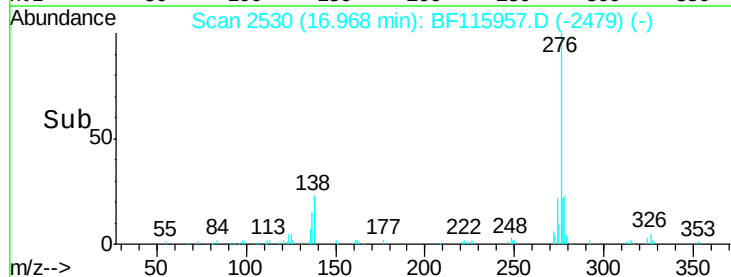
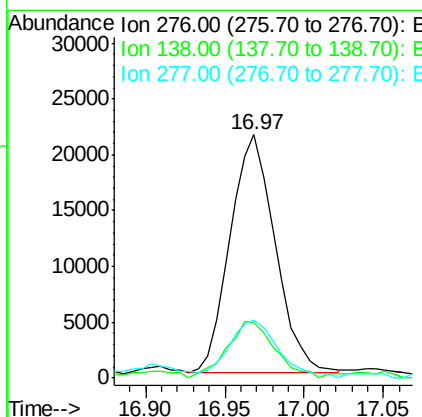
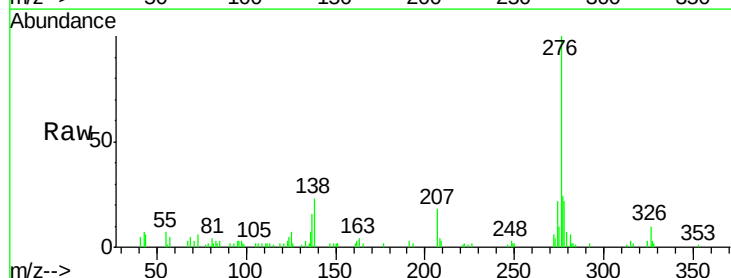
Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

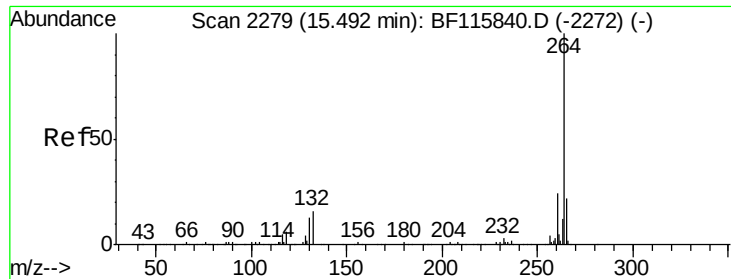
Tot Ion:228 Resp: 88977
Ion Ratio Lower Upper
228 100
226 30.6 24.8 37.2
229 21.9 16.4 24.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.004 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion:276 Resp: 41843
Ion Ratio Lower Upper
276 100
138 25.4 19.6 29.4
277 26.9 20.1 30.1

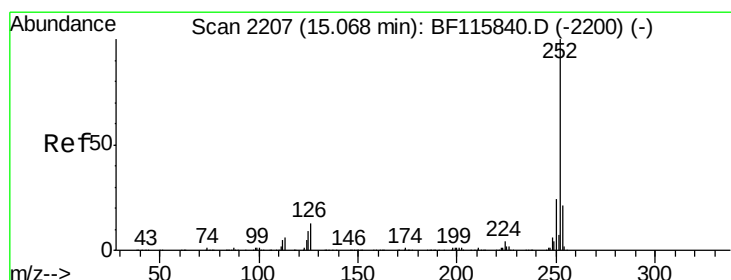
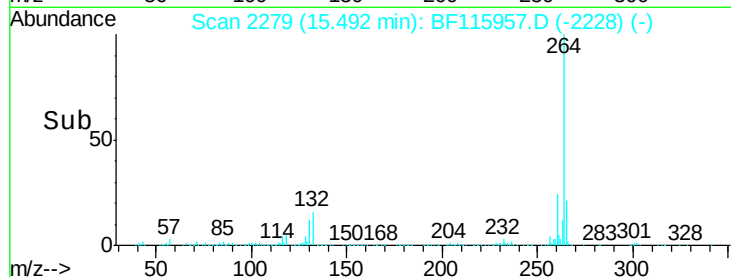
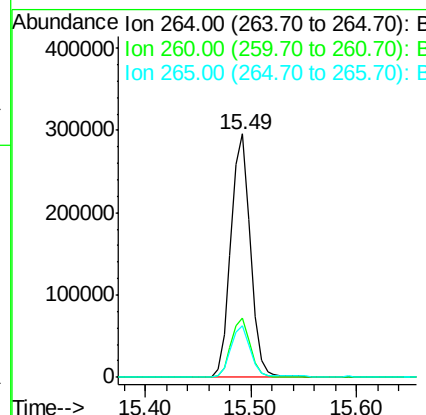
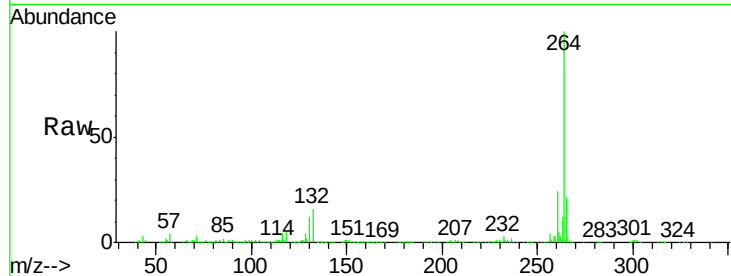




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

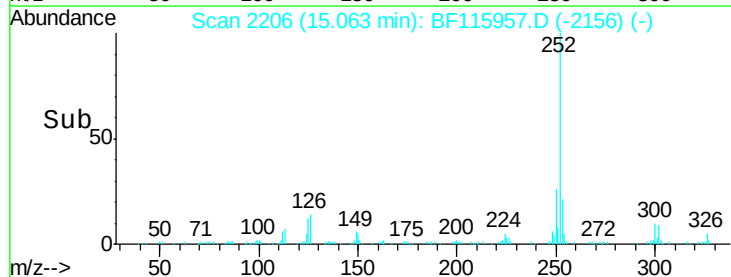
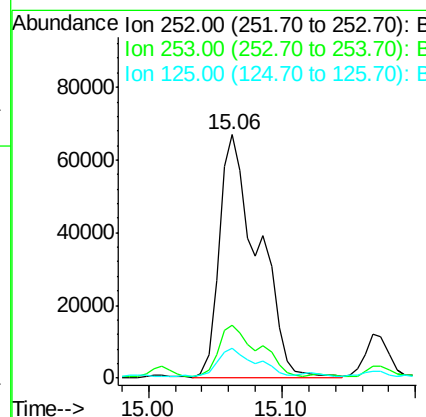
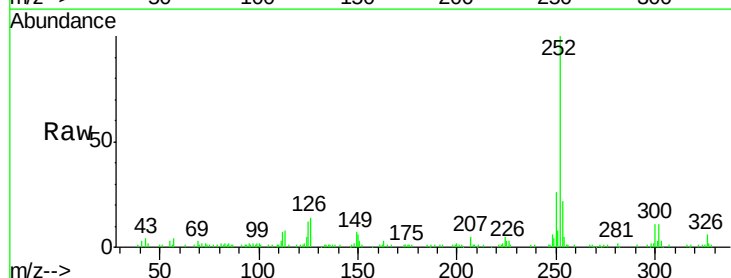
Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

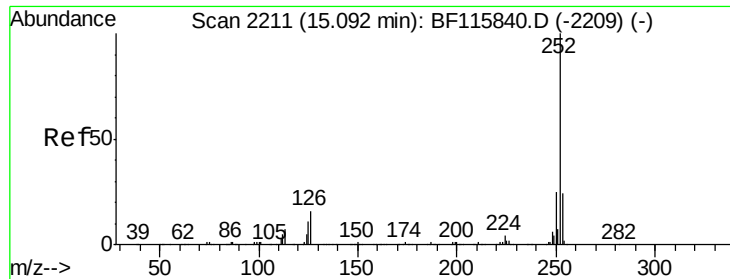
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.0	17.5	26.3



#88
Benzo(b)fluoranthene
Concen: 6.210 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	12.5	7.4	11.0

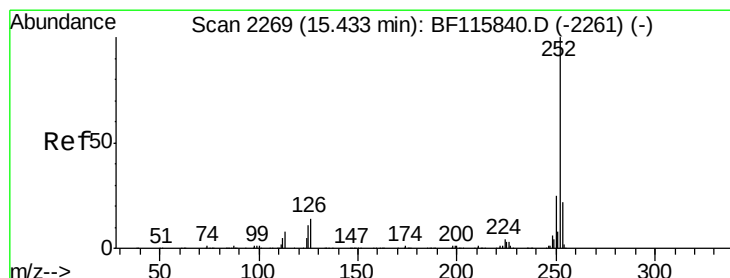
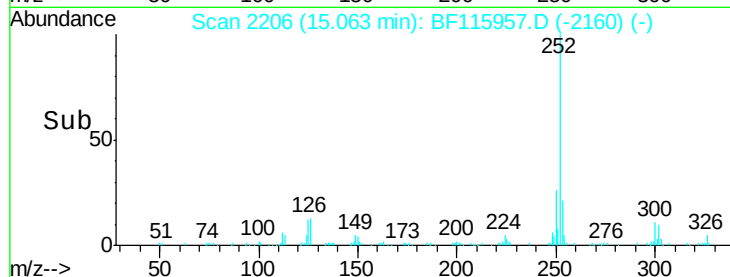
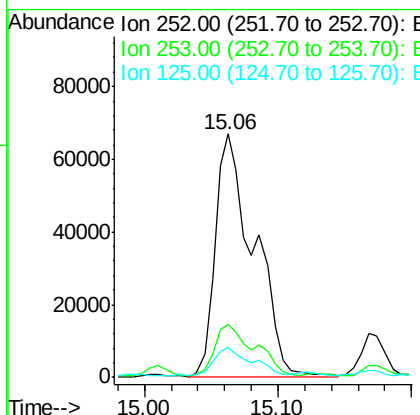
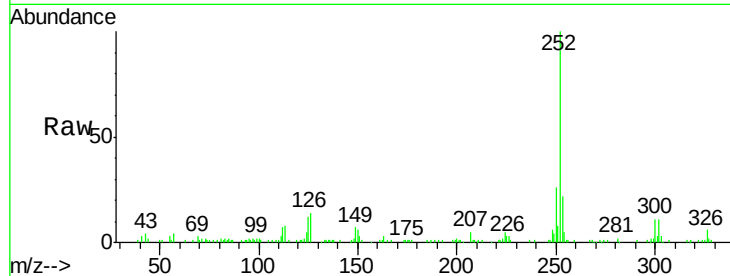




#89
Benzo(k)fluoranthene
Concen: 6.376 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

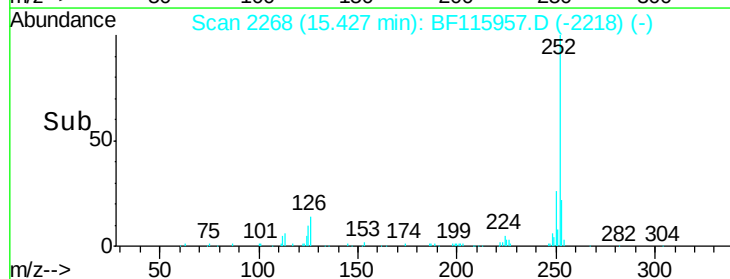
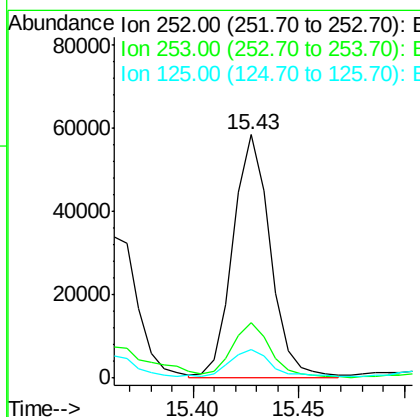
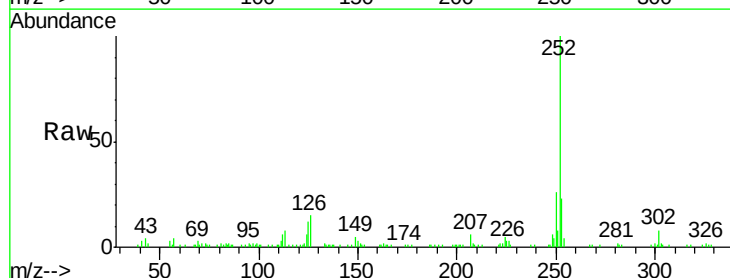
Instrument :
BNA_F
ClientSampleId :
1S-L-(0-30)-COMP

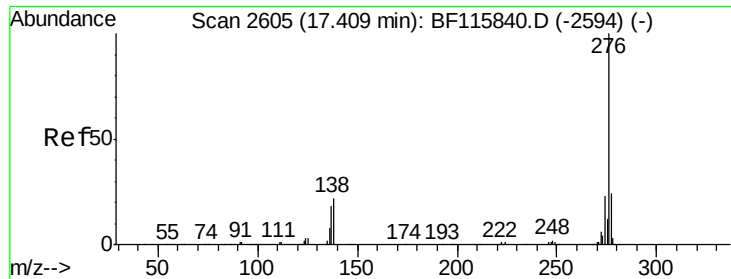
Tot Ion:252 Resp: 136289
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.4
125 12.5 8.9 13.3



#90
Benzo(a)pyrene
Concen: 3.675 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115957.D
Acq: 2 Aug 2019 20:04

Tgt Ion:252 Resp: 72102
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 12.0 8.8 13.2





#92
 Benzo(a,h,i)perylene
 Concen: 2.432 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: BF115957.D
 Acq: 2 Aug 2019 20:04

Instrument :
 BNA_F
 ClientSampleId :
 1S-L-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.5	29.3
138	22.0	17.8	26.8

