

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115953.D
 Acq On : 2 Aug 2019 18:18
 Operator : HP/JU
 Sample : K4131-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(30)

Quant Time: Aug 02 23:43:03 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	101537	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	400244	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	220488	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	402240	20.00	ng	0.00
76) Chrysene-d12	14.03	240	308777	20.00	ng	0.00
87) Perylene-d12	15.50	264	349668	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	581751	95.91	ng	0.00
7) Phenol-d6	6.48	99	751801	98.24	ng	0.00
23) Nitrobenzene-d5	7.41	82	482294	69.56	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	199350	93.25	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	842054	71.53	ng	0.00
79) Terphenyl-d14	12.97	244	914605	62.41	ng	0.00

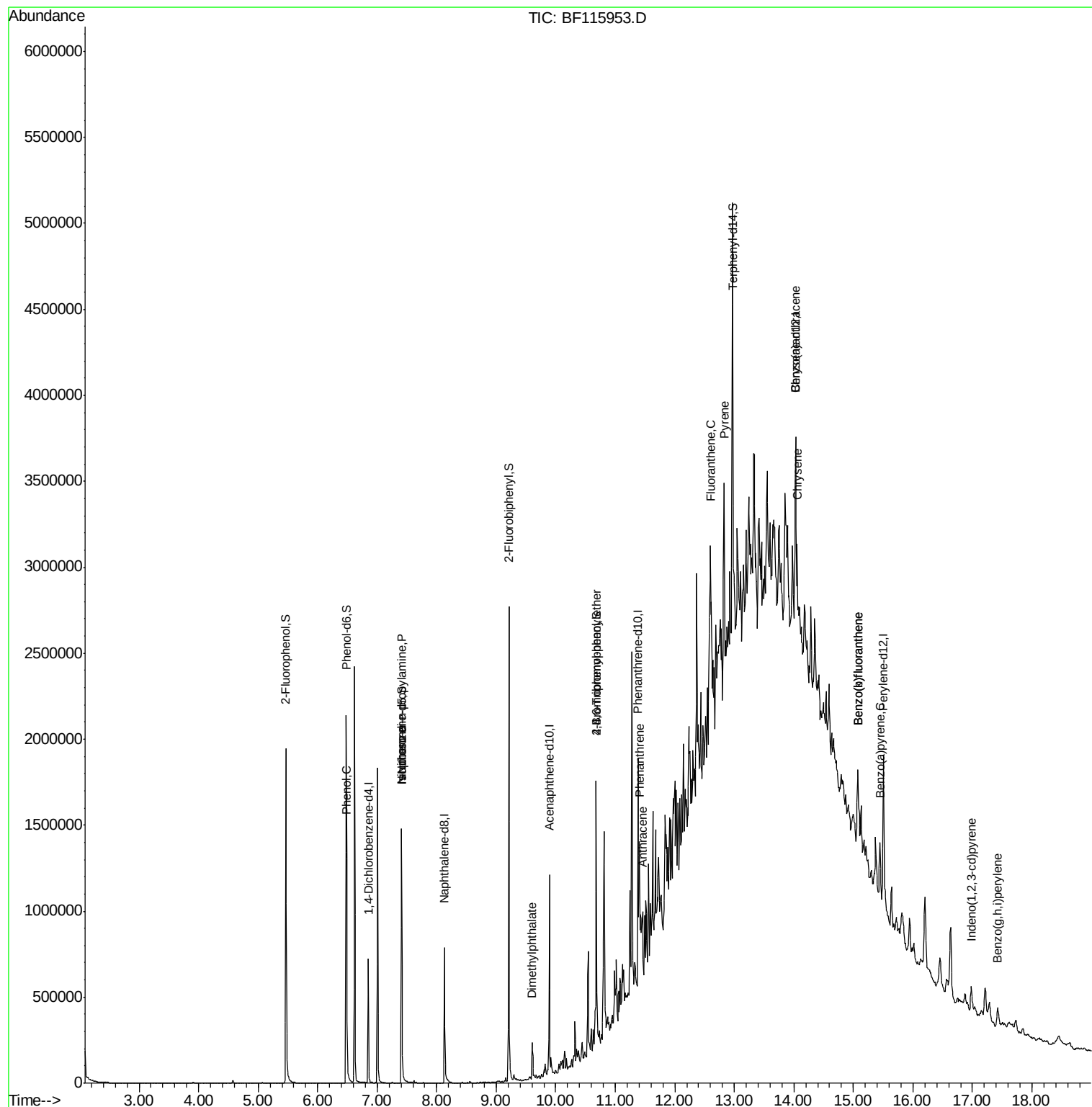
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	40270	4.469	ng	94
19) n-Nitroso-di-n-propylamine	7.41	70	63266	13.342	ng	# 79
25) Isophorone	7.41	82	482292	36.376	ng	# 66
50) Dimethylphthalate	9.60	163	72730	4.845	ng	99
67) 4-Bromophenyl-phenylether	10.68	248	12062	2.801	ng	# 1
71) Phenanthrene	11.40	178	273535	13.302	ng	99
72) Anthracene	11.46	178	78293	3.762	ng	97
75) Fluoranthene	12.60	202	449314	20.871	ng	99
78) Pyrene	12.83	202	379237	16.293	ng	98
81) Benzo(a)anthracene	14.02	228	212866	10.786	ng	98
83) Chrysene	14.06	228	167635	8.749	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	89853	5.583	ng	98
88) Benzo(b)fluoranthene	15.07	252	277501	13.725	ng	# 85
89) Benzo(k)fluoranthene	15.07	252	277501	14.092	ng	# 88
90) Benzo(a)pyrene	15.44	252	152393	8.432	ng	# 90
92) Benzo(g,h,i)perylene	17.43	276	86530	5.632	ng	97

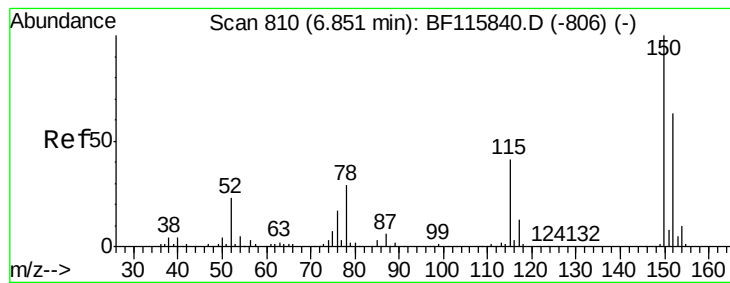
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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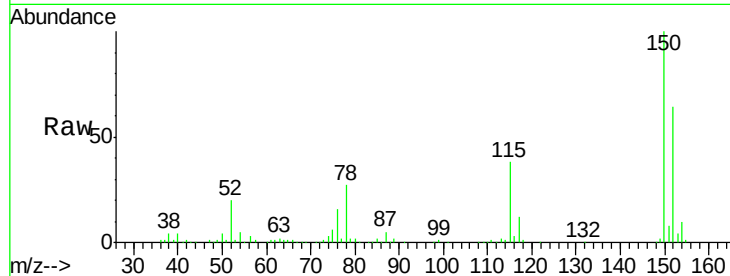


#1

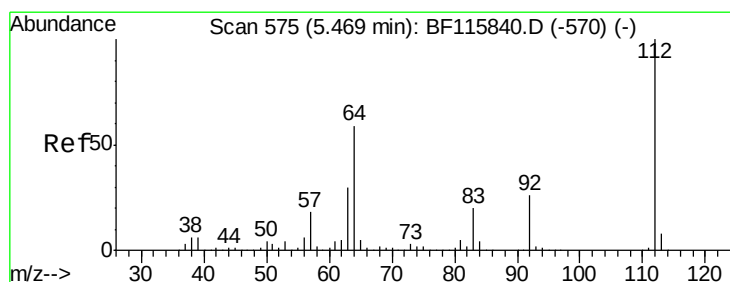
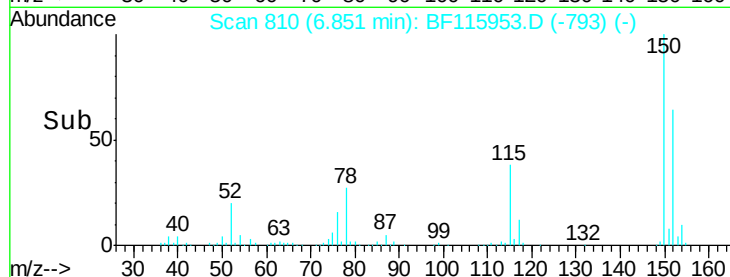
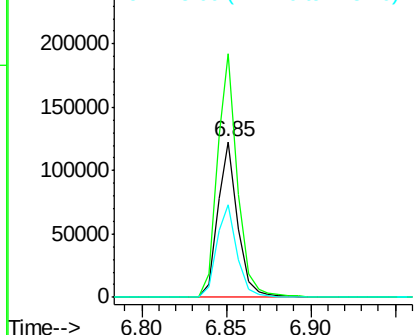
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion:152 Resp: 101537
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 59.3 51.8 77.8



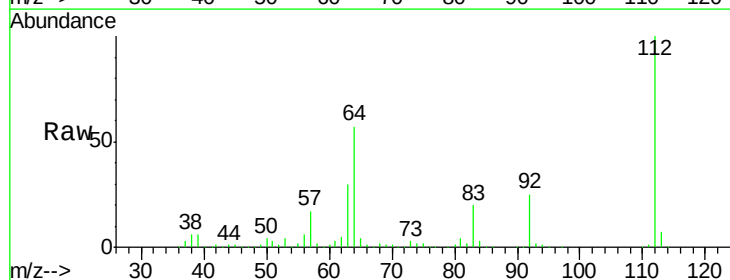
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



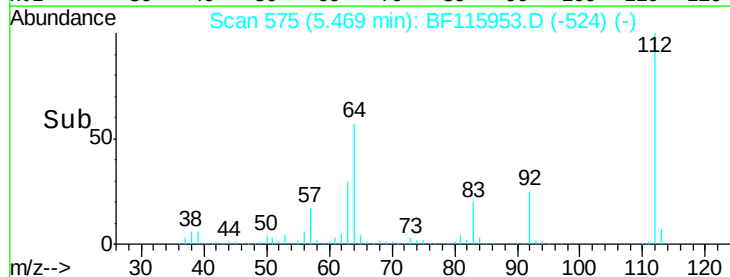
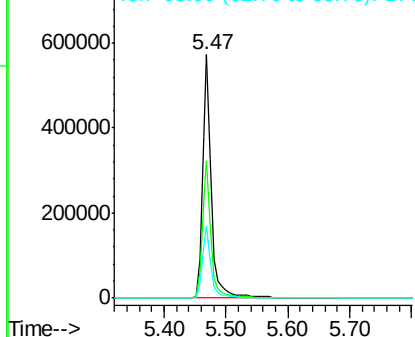
#5

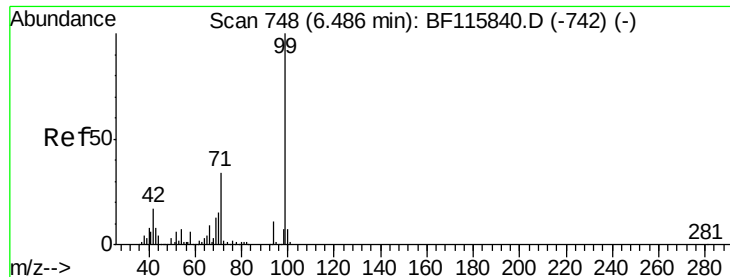
2-Fluorophenol
Concen: 95.915 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion:112 Resp: 581751
Ion Ratio Lower Upper
112 100
64 56.6 46.8 70.2
63 29.7 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: 98.243 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Instrument :

BNA_F

ClientSampleId :

1S-D1-D4-COMP-(30)

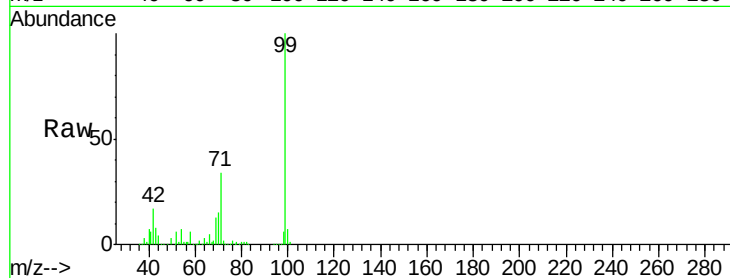
Tot Ion: 99 Resp: 751801

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.6

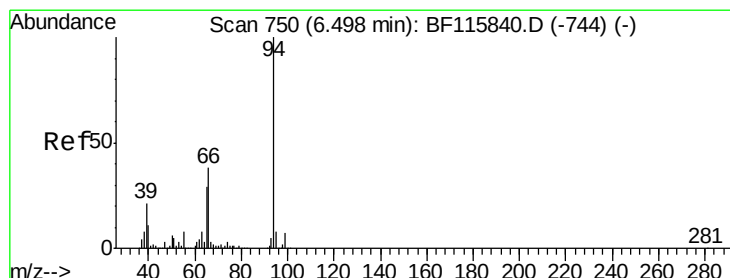
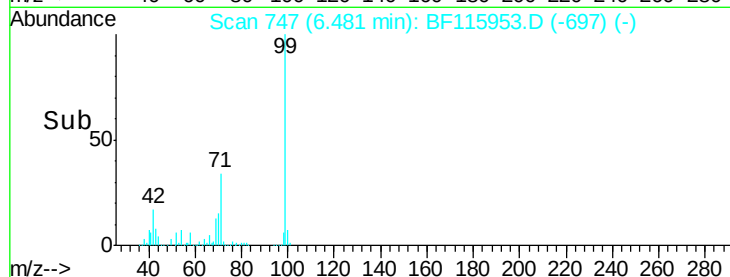
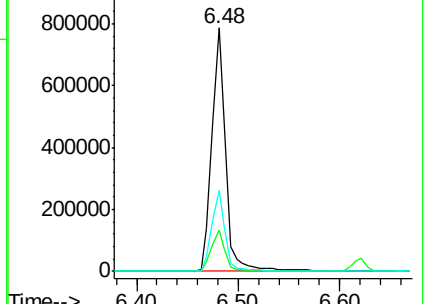
71 33.6 27.1 40.7



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: 4.469 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

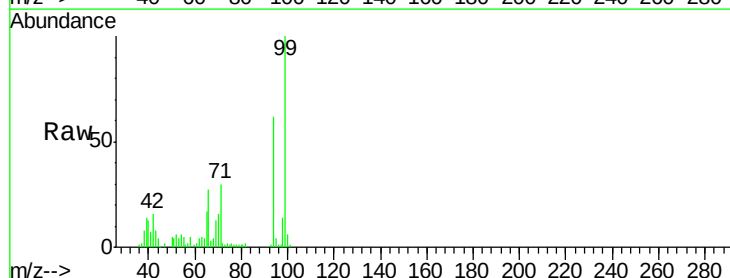
Tgt Ion: 94 Resp: 40270

Ion Ratio Lower Upper

94 100

65 27.7 8.9 48.9

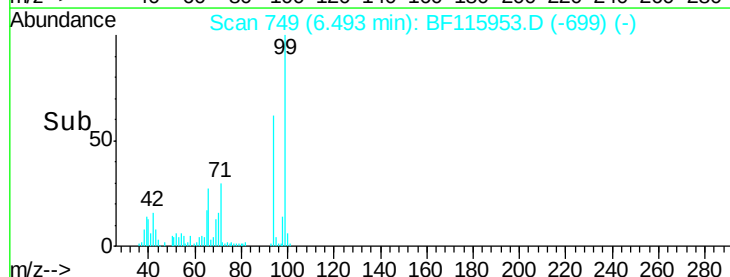
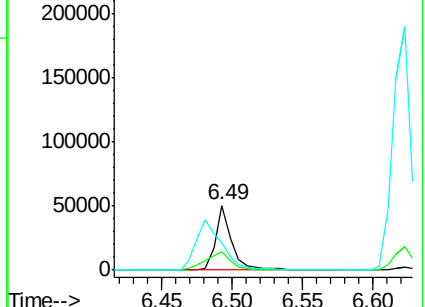
66 42.9 18.0 58.0

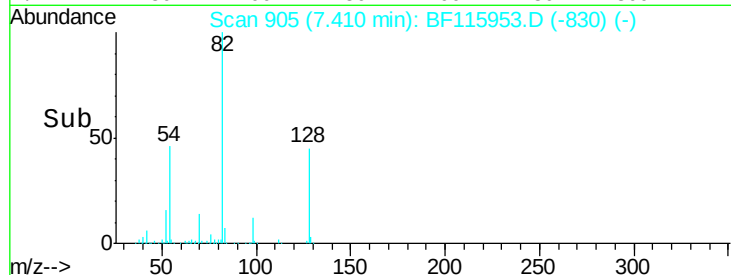
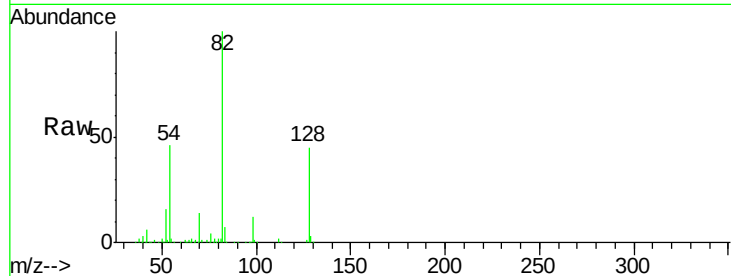
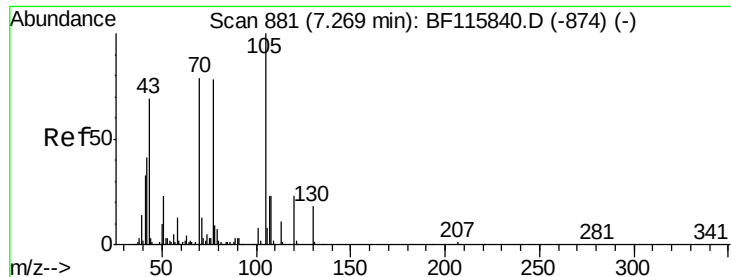


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

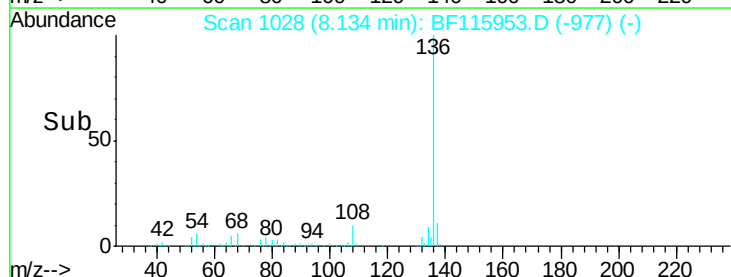
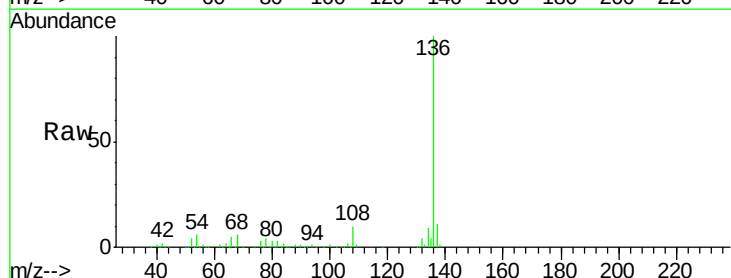
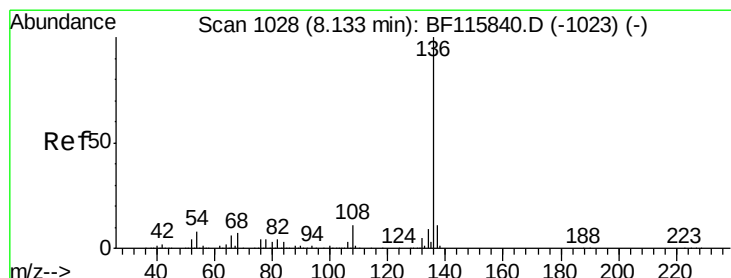
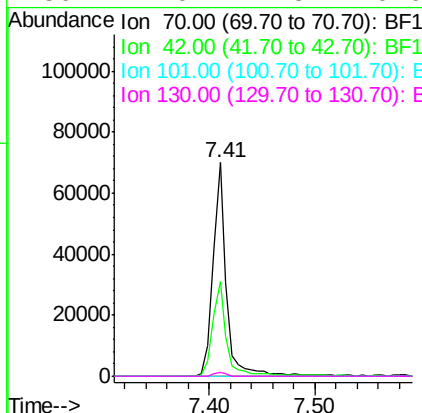




#19
n-Nitroso-di-n-propylamine
Concen: 13.342 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

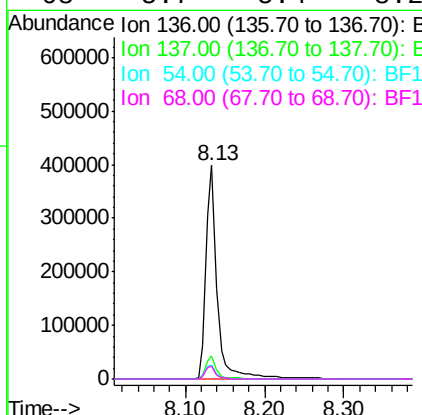
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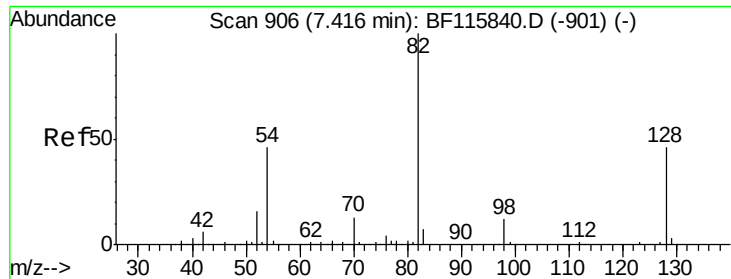
Tot Ion: 70 Resp: 63266
Ion Ratio Lower Upper
70 100
42 44.4 41.8 62.8
101 0.0 7.7 11.5#
130 2.0 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion: 136 Resp: 400244
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.5 6.1 9.1
68 5.7 5.4 8.2

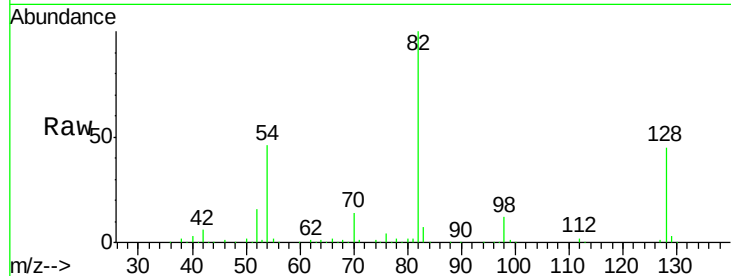




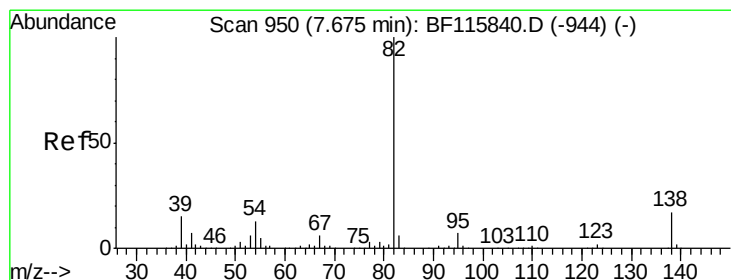
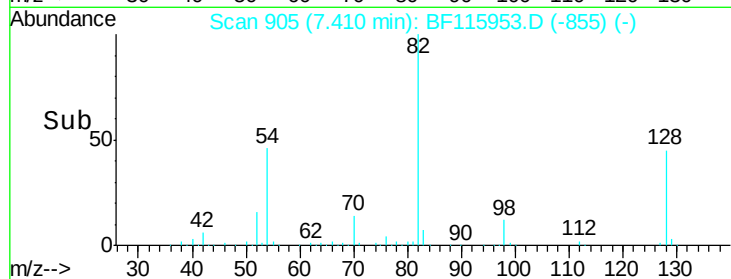
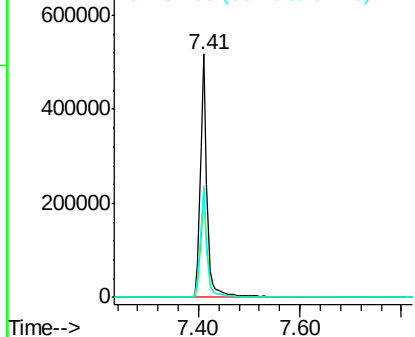
#23
Nitrobenzene-d5
Concen: 69.556 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion: 82 Resp: 482294
Ion Ratio Lower Upper
82 100
128 44.8 36.6 55.0
54 45.9 36.6 55.0

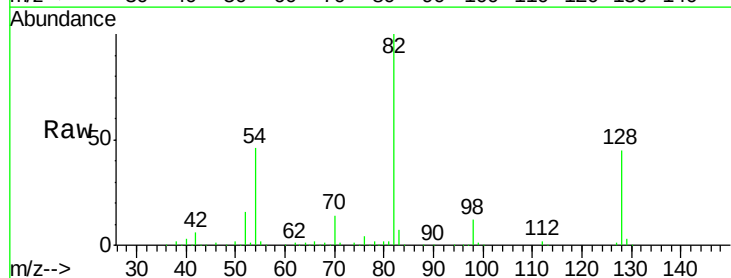


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

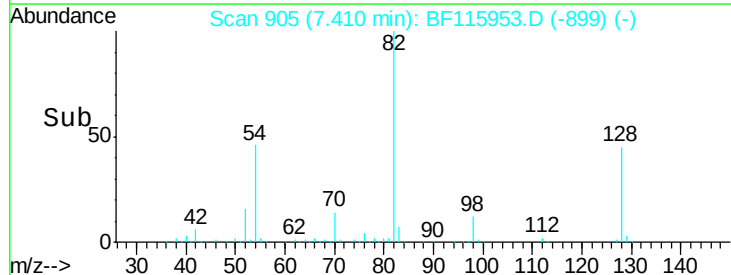
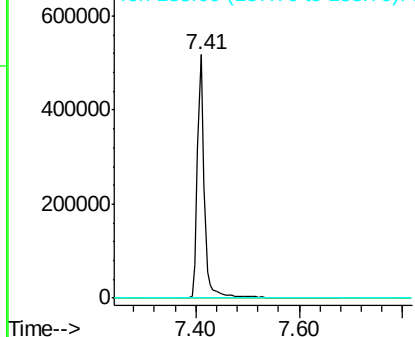


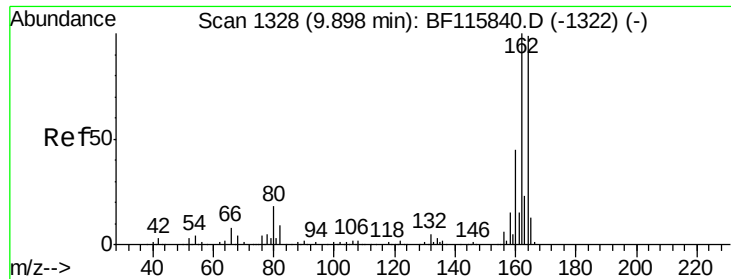
#25
Isophorone
Concen: 36.376 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion: 82 Resp: 482292
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

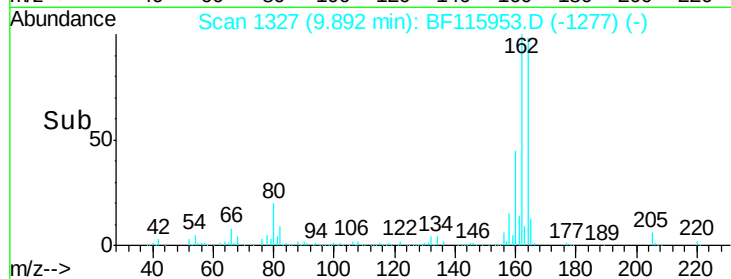
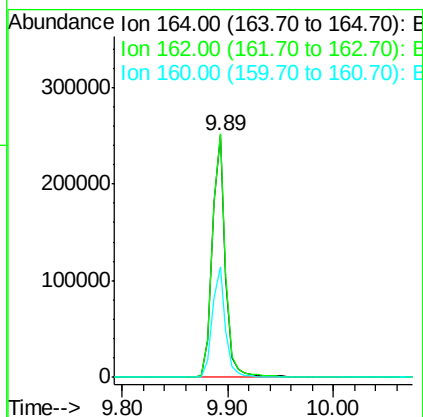
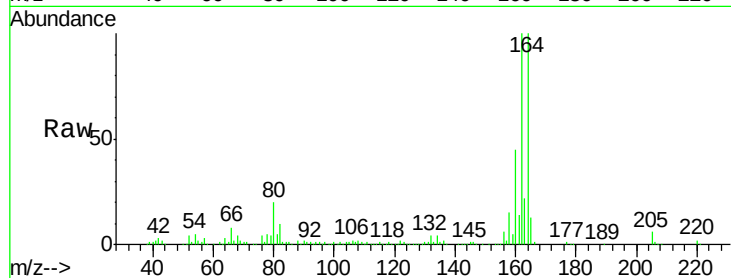




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

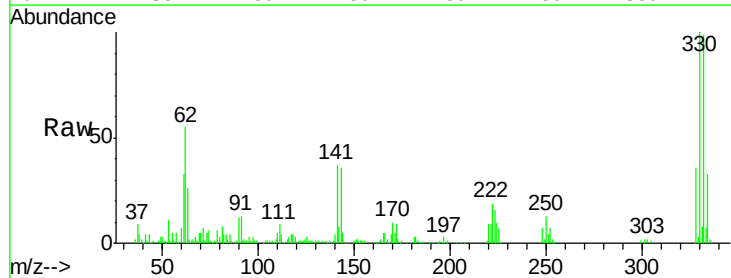
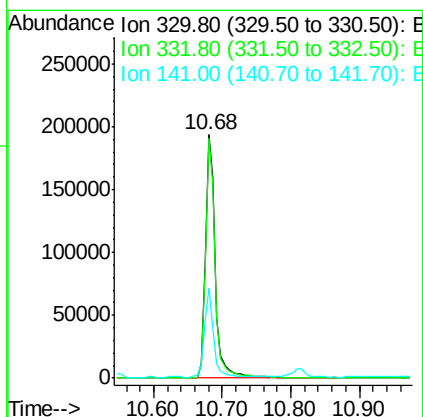
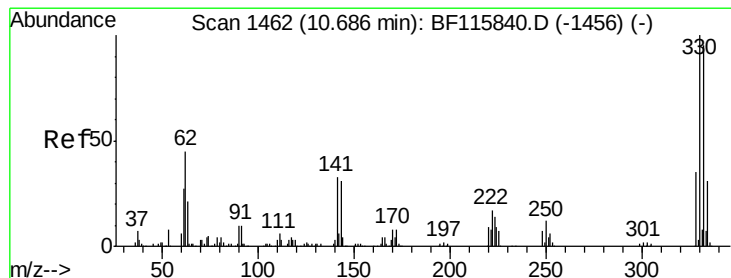
Instrument :
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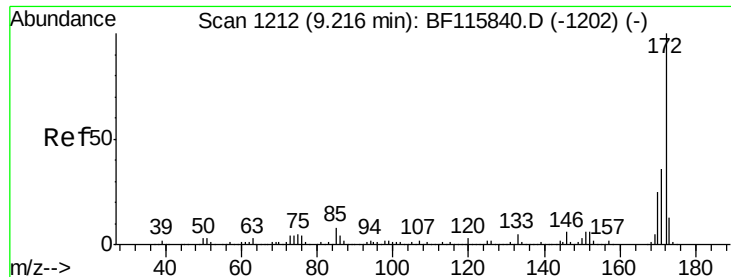
Tot Ion:164 Resp: 220488
 Ion Ratio Lower Upper
 164 100
 162 100.5 80.8 121.2
 160 45.5 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 93.255 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

Tgt Ion:330 Resp: 199350
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.7 116.5
 141 34.3 28.1 42.1

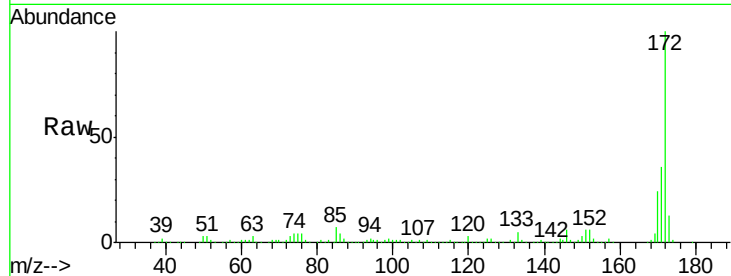




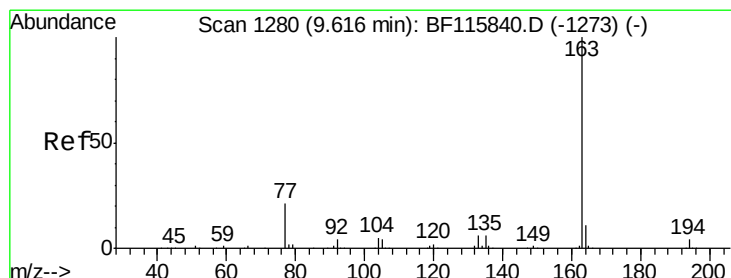
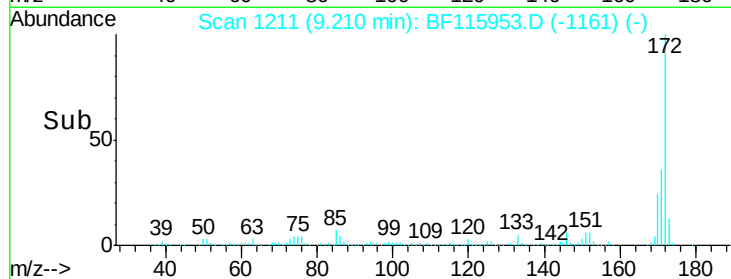
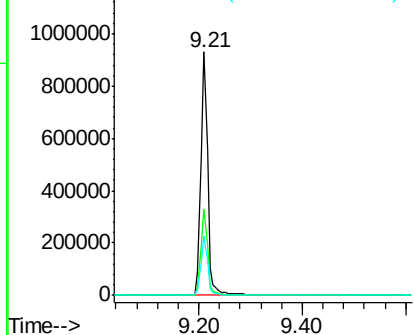
#45
2-Fluorobiphenyl
Concen: 71.534 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion:172 Resp: 842054
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 24.3 20.1 30.1

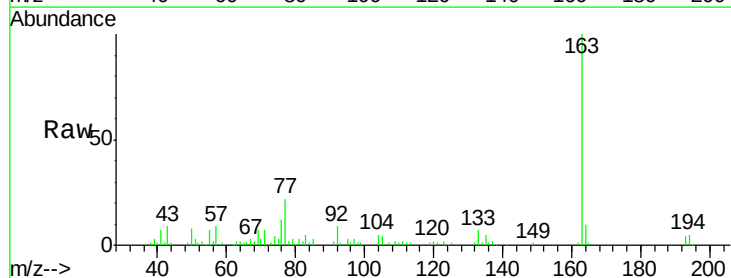


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

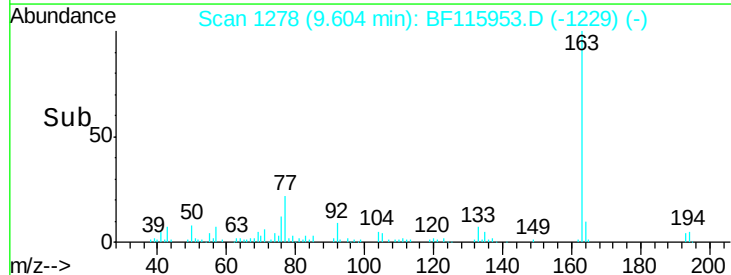
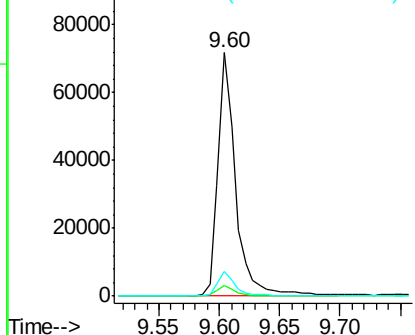


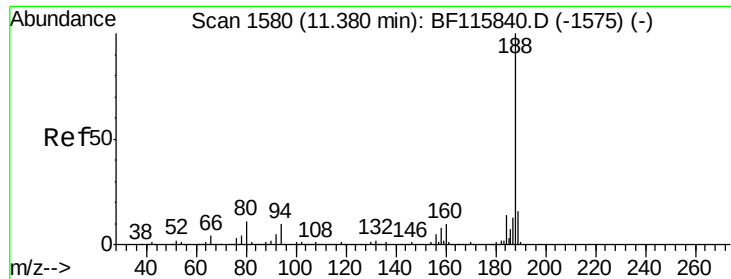
#50
Dimethylphthalate
Concen: 4.845 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion:163 Resp: 72730
Ion Ratio Lower Upper
163 100
194 4.5 3.0 4.6
164 10.1 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Instrument :

BNA_F

ClientSampleId :

1S-D1-D4-COMP-(30)

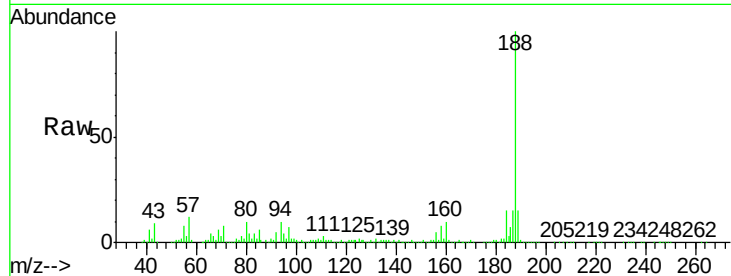
Tot Ion:188 Resp: 402240

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

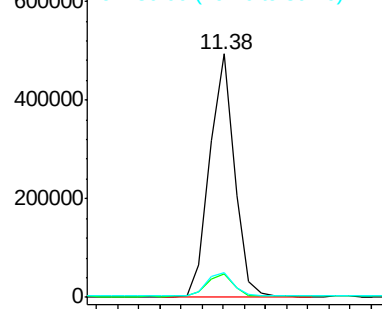
80 10.3 8.6 12.8



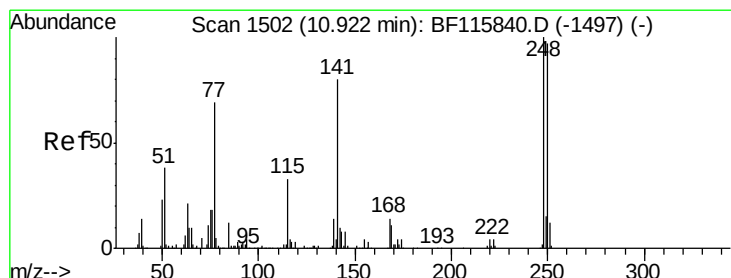
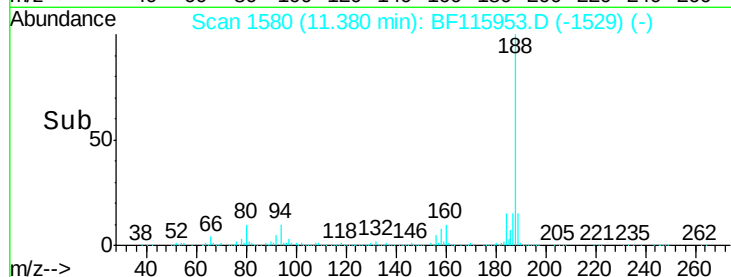
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#67

4-Bromophenyl-phenylether

Concen: 2.801 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.24 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

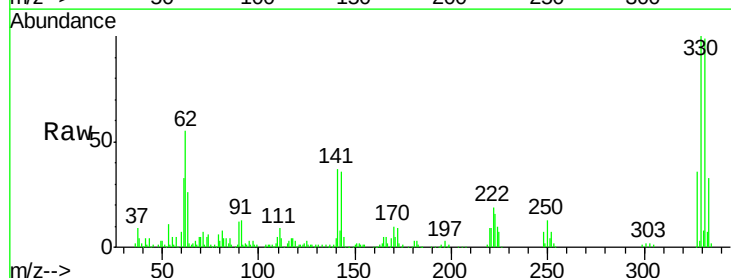
Tgt Ion:248 Resp: 12062

Ion Ratio Lower Upper

248 100

250 200.6 77.8 116.6#

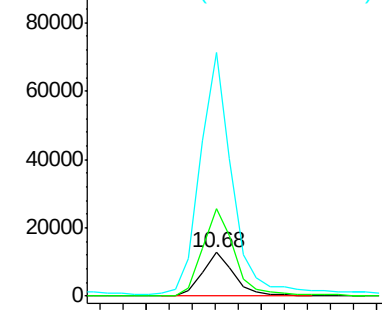
141 555.9 64.3 96.5#



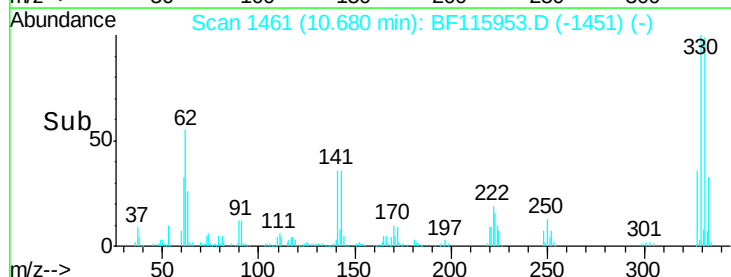
Abundance Ion 248.00 (247.70 to 248.70): E

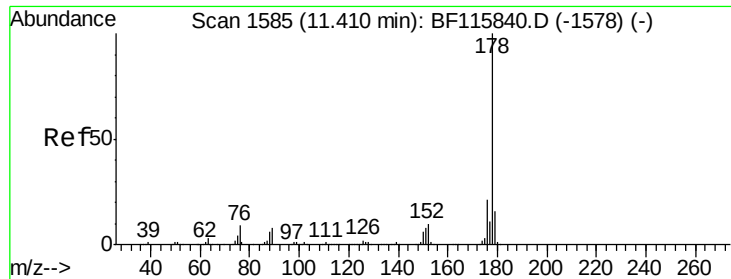
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

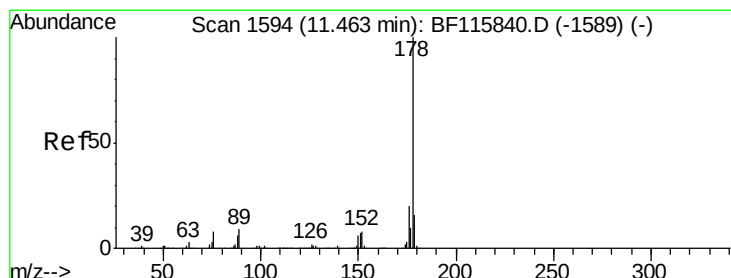
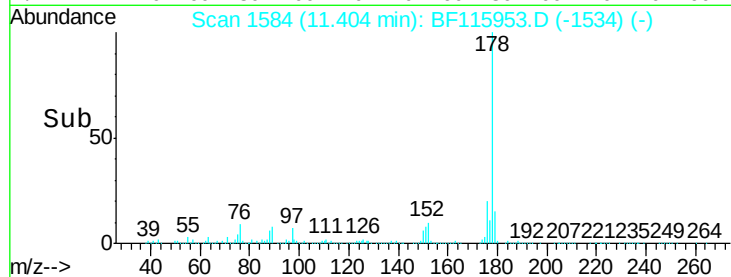
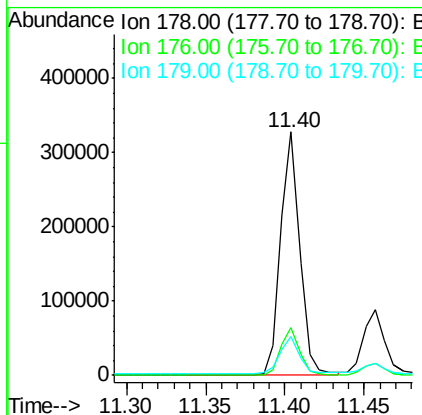
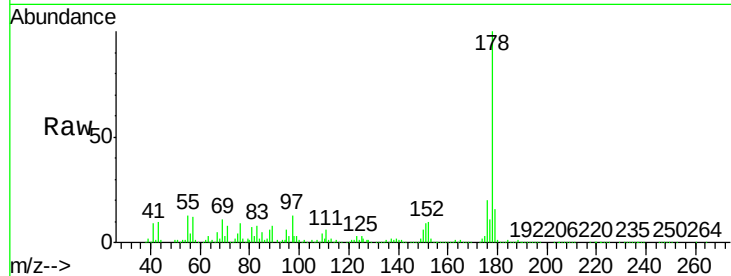




#71
Phenanthrene
Concen: 13.302 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

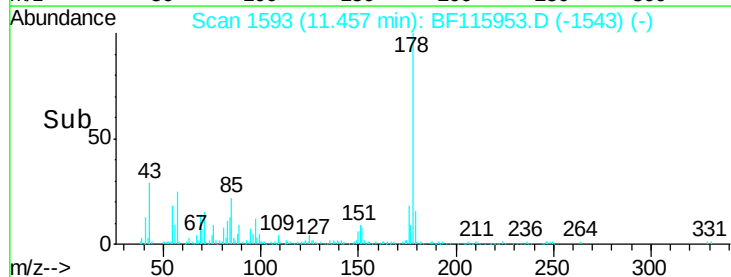
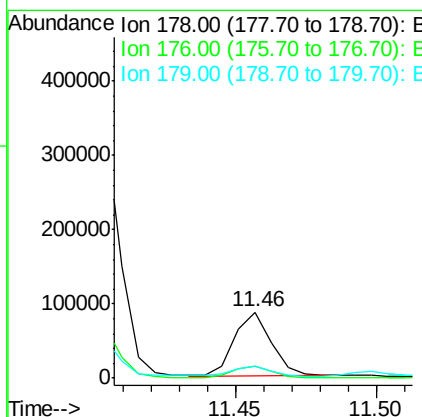
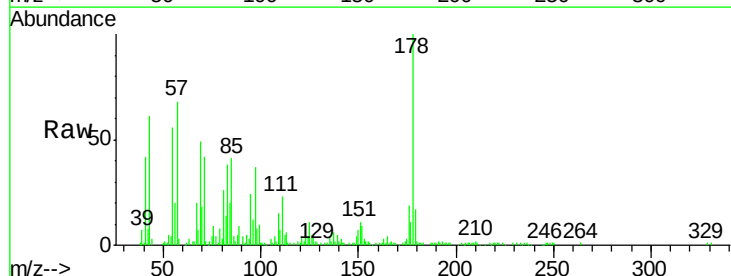
Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

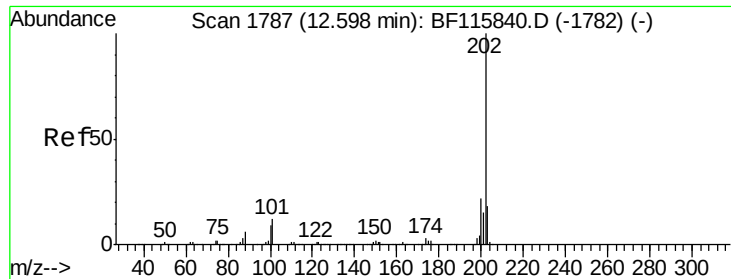
Tot Ion:178 Resp: 273535
Ion Ratio Lower Upper
178 100
176 19.8 16.5 24.7
179 15.8 12.6 18.8



#72
Anthracene
Concen: 3.762 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion:178 Resp: 78293
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 17.5 12.4 18.6





#75

Fluoranthene

Concen: 20.871 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Instrument :

BNA_F

ClientSampleId :

1S-D1-D4-COMP-(30)

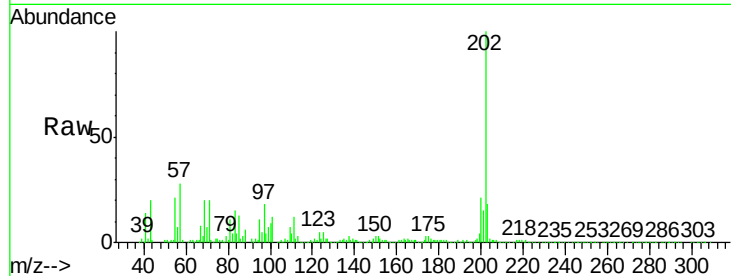
Tot Ion:202 Resp: 449314

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.5

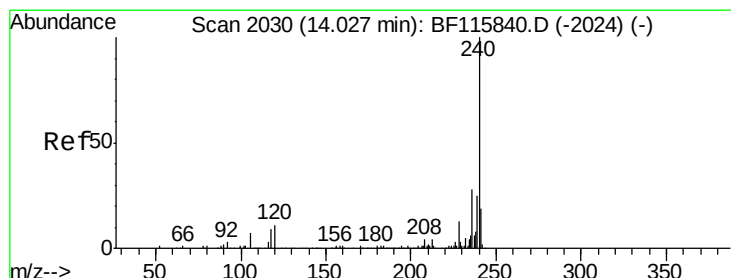
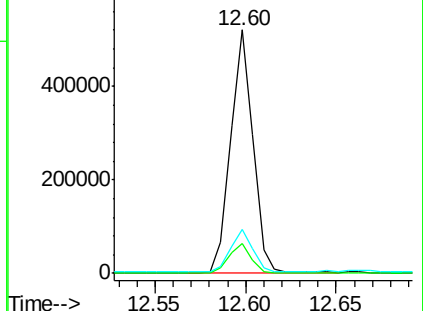
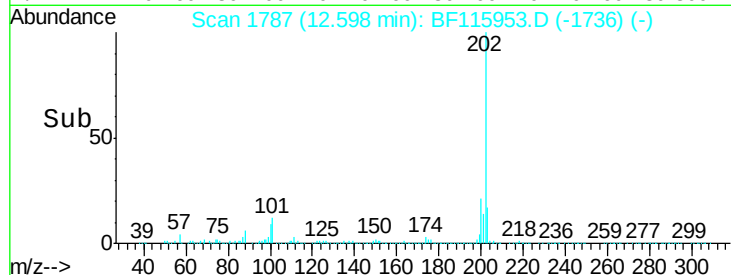
203 17.9 0.0 37.9



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# 2031

Delta R.T. 0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

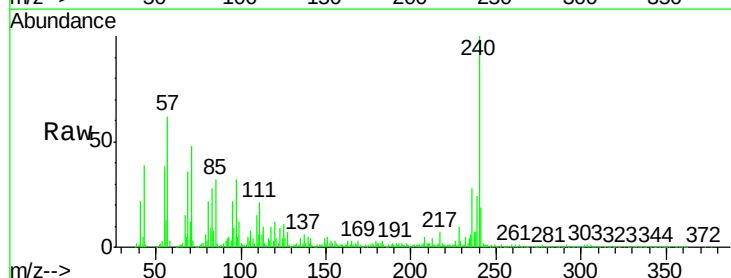
Tgt Ion:240 Resp: 308777

Ion Ratio Lower Upper

240 100

120 11.9 8.5 12.7

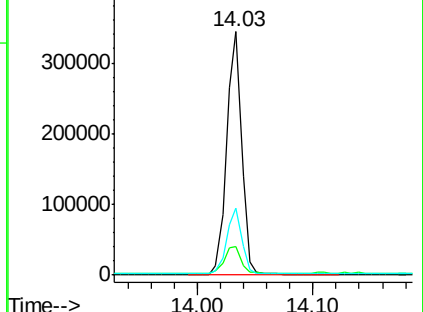
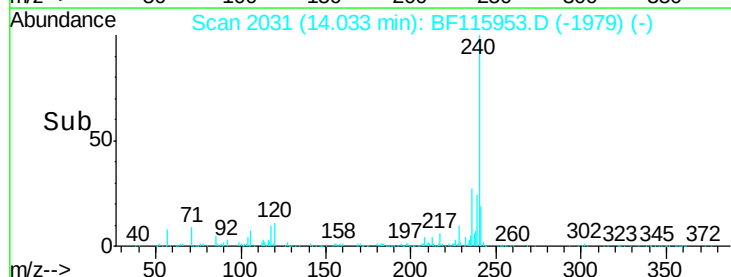
236 27.8 22.2 33.2

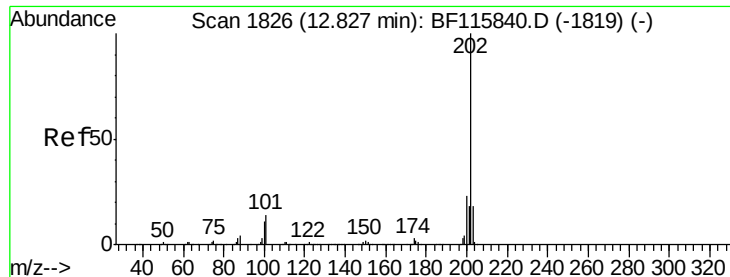


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

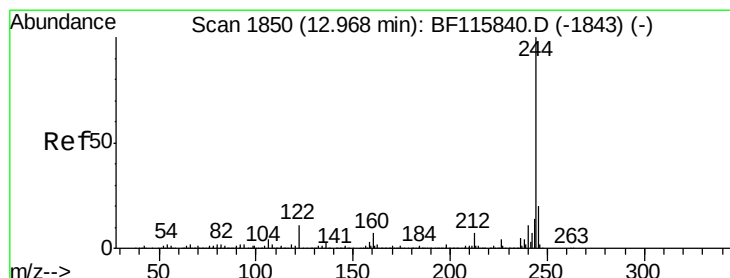
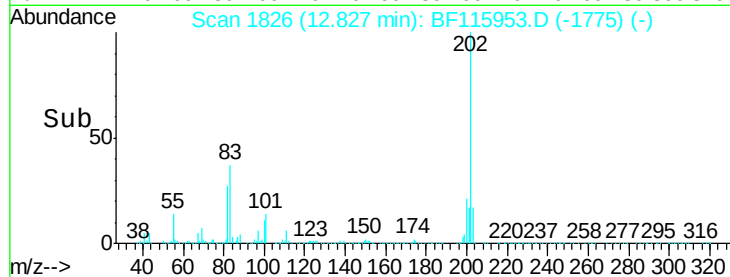
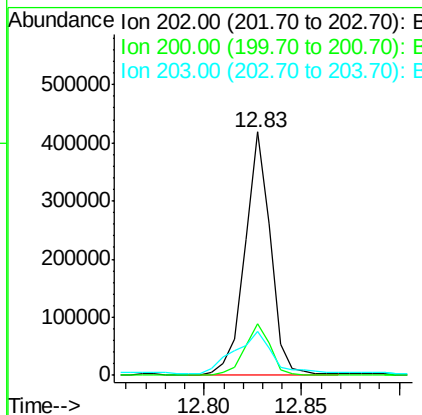
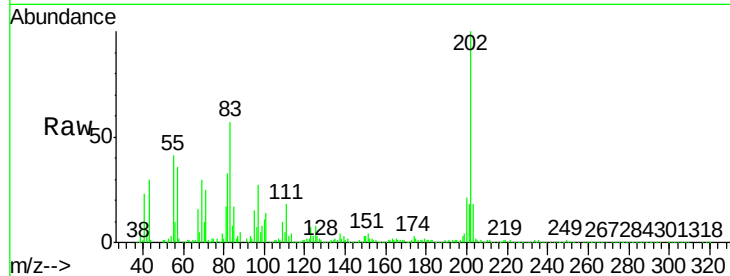




#78
Pvrene
Concen: 16.293 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

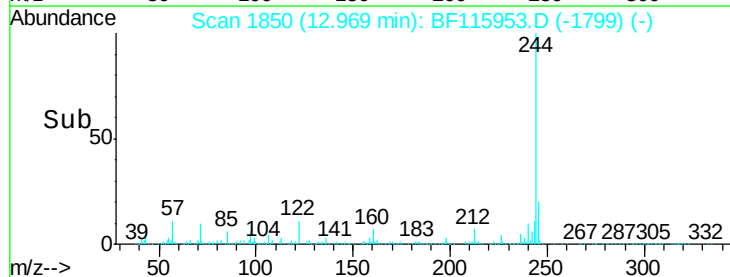
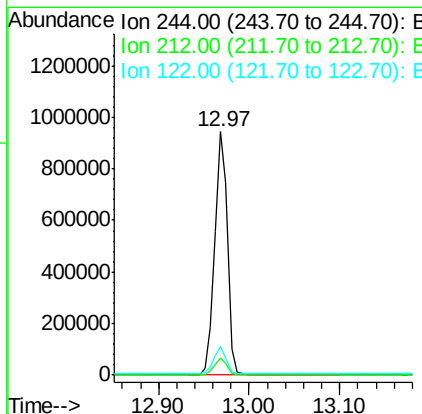
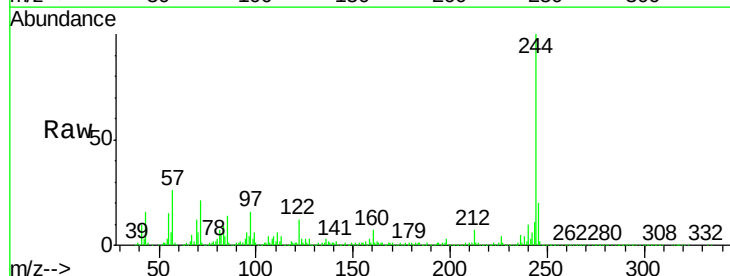
Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

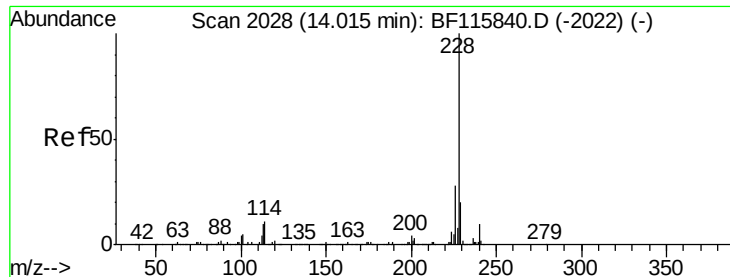
Tot Ion:202 Resp: 379237
Ion Ratio Lower Upper
202 100
200 21.0 18.2 27.2
203 18.1 14.3 21.5



#79
Terphenyl-d14
Concen: 62.415 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion:244 Resp: 914605
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.6 8.6 13.0





#81

Benzo(a)anthracene

Concen: 10.786 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

Instrument :

BNA_F

ClientSampleId :

1S-D1-D4-COMP-(30)

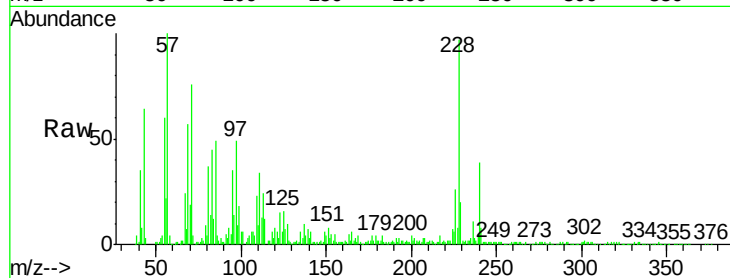
Tot Ion:228 Resp: 212866

Ion Ratio Lower Upper

228 100

226 27.2 22.5 33.7

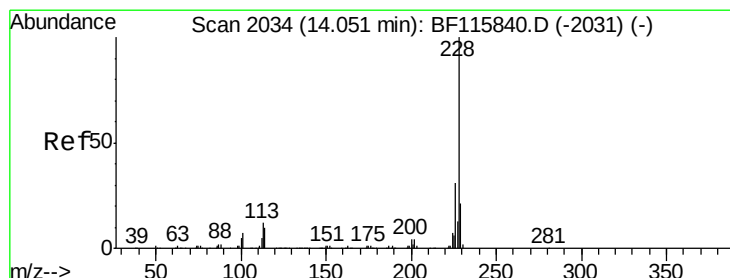
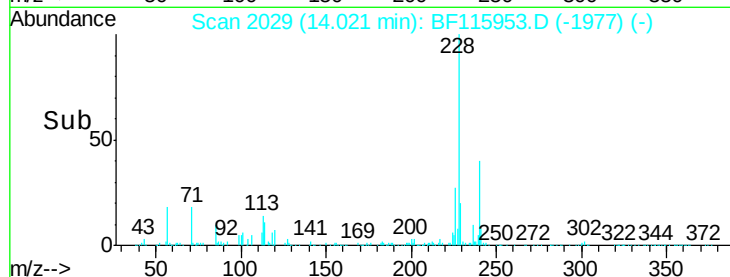
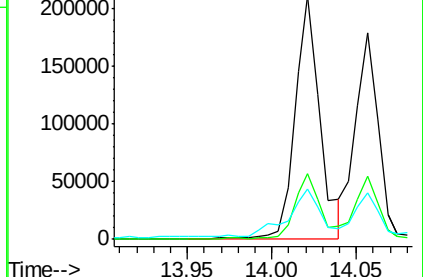
229 20.7 16.1 24.1



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: 8.749 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF115953.D

Acq: 2 Aug 2019 18:18

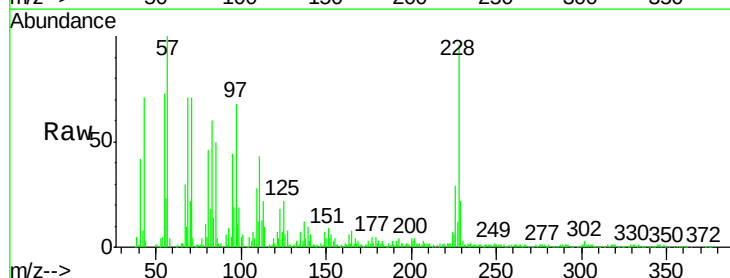
Tgt Ion:228 Resp: 167635

Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

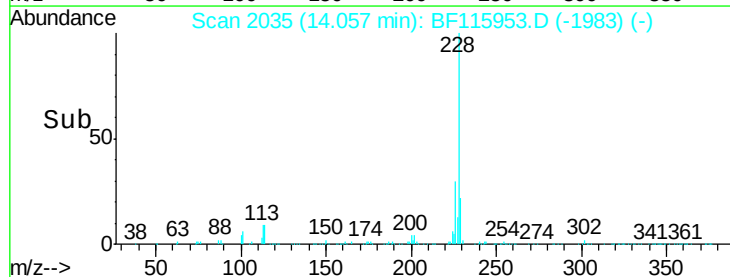
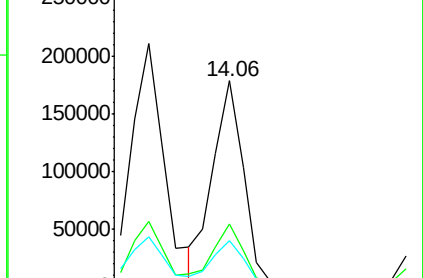
229 22.8 16.4 24.6

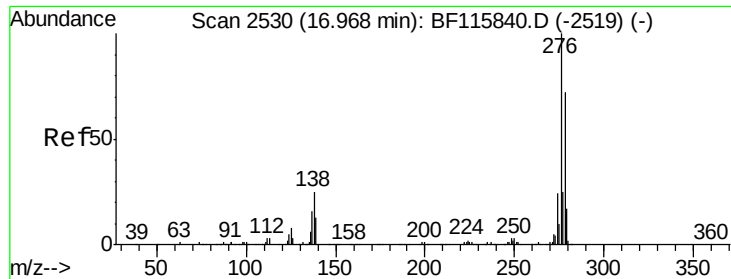


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

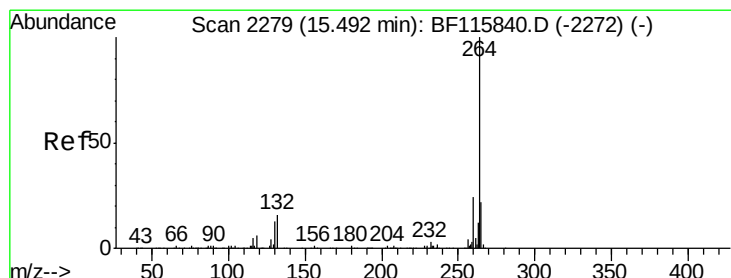
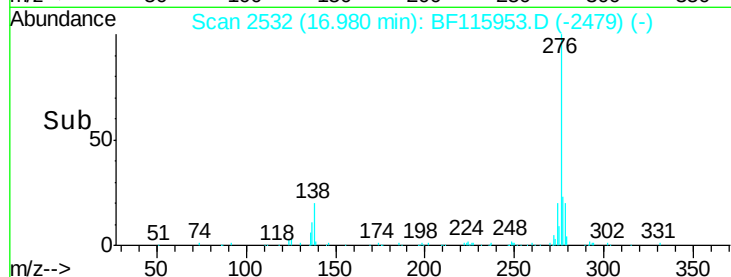
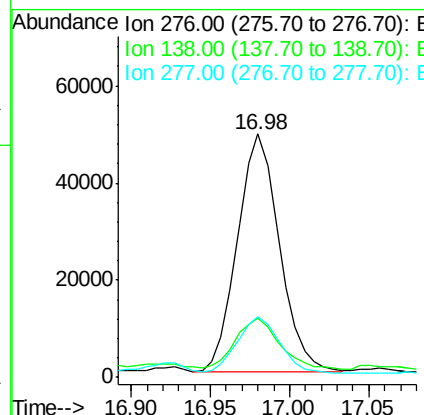
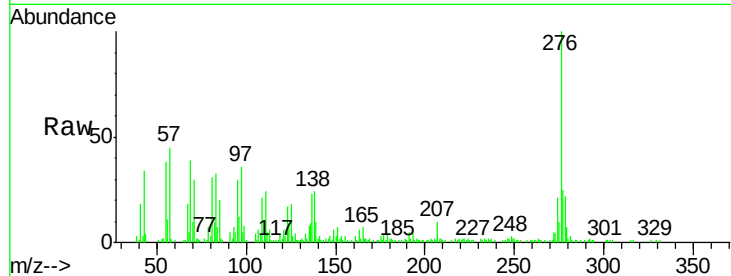




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.583 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

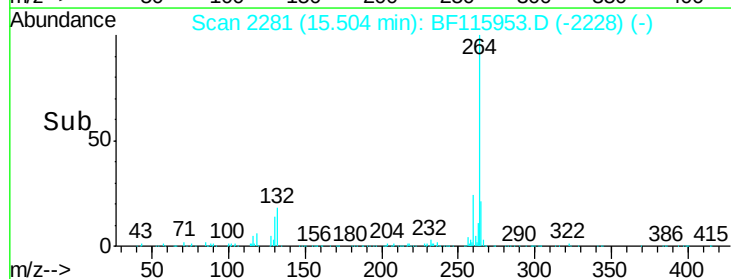
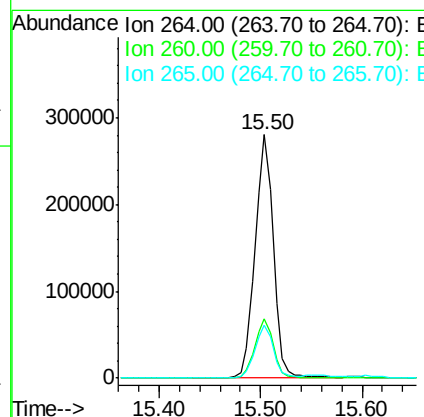
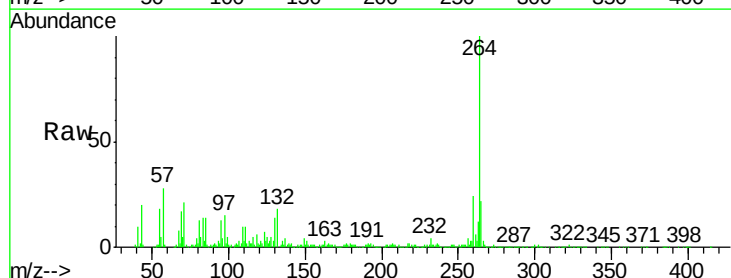
Instrument :
 BNA_F
 ClientSampleId :
 1S-D1-D4-COMP-(30)

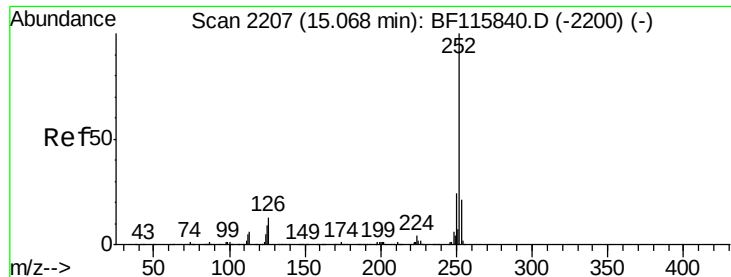
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.6	29.4
277	24.5	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BF115953.D
 Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.5	17.5	26.3

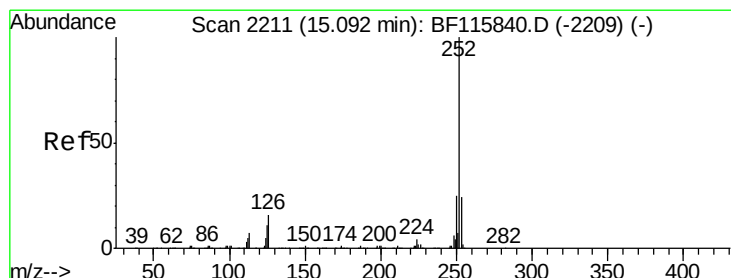
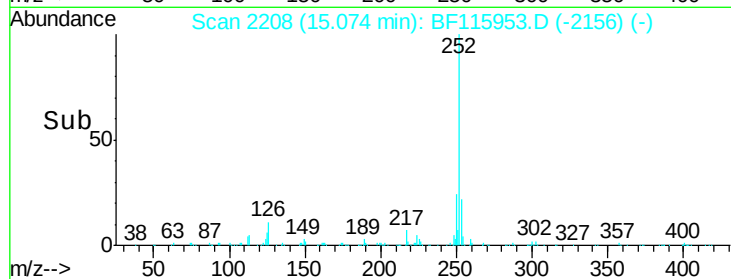
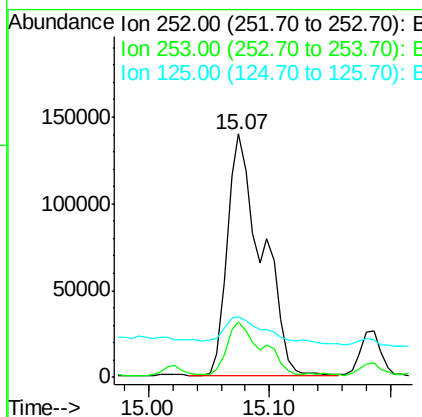
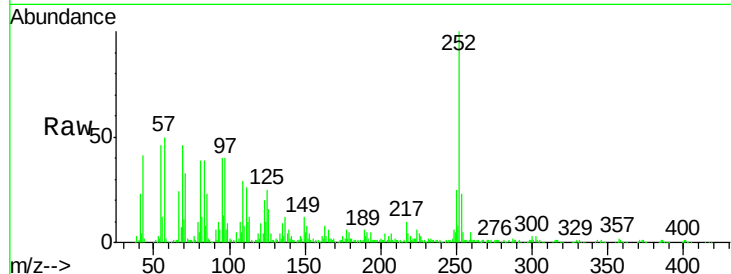




#88
Benzo(b)fluoranthene
Concen: 13.725 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

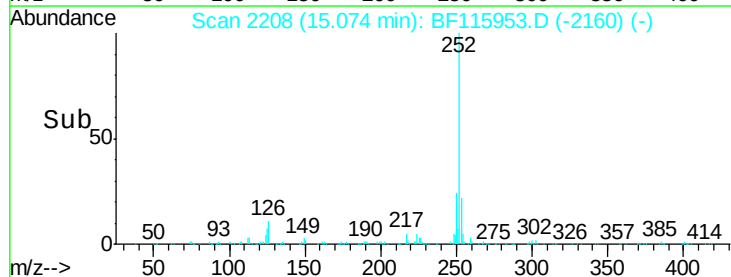
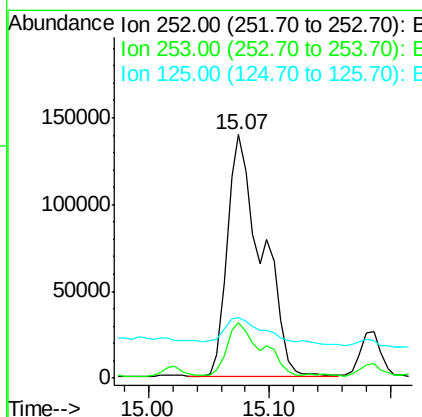
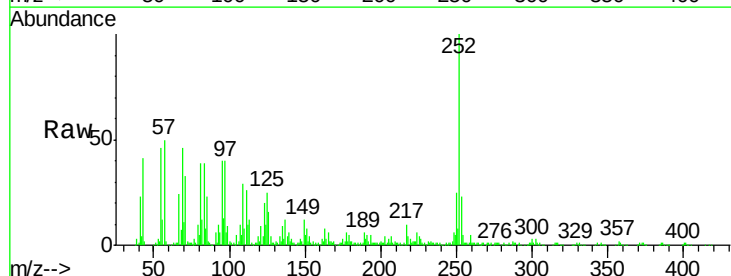
Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

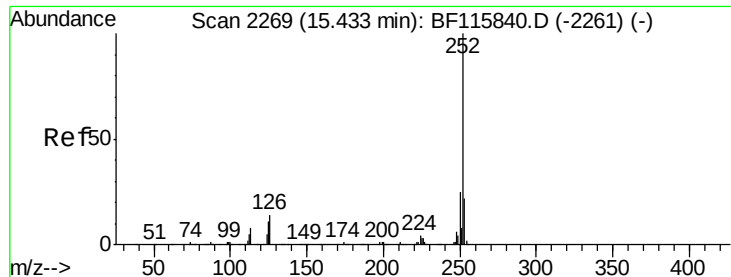
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	25.0	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 14.092 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	25.0	8.9	13.3

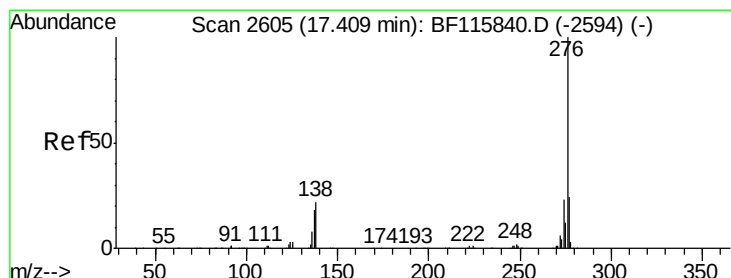
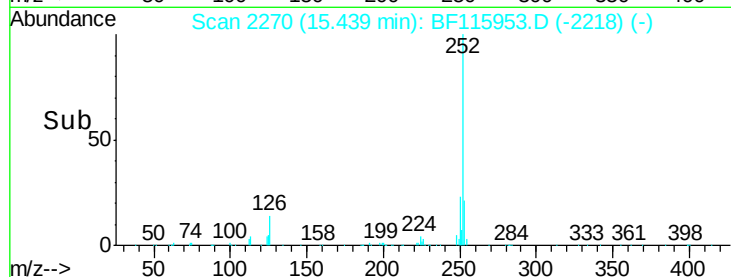
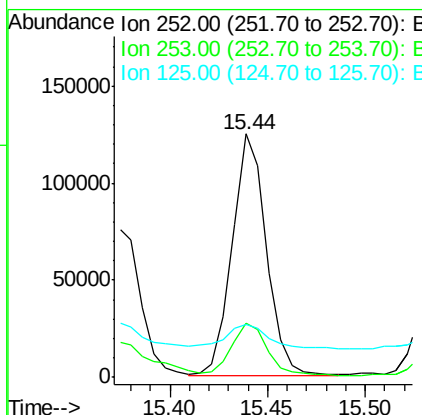
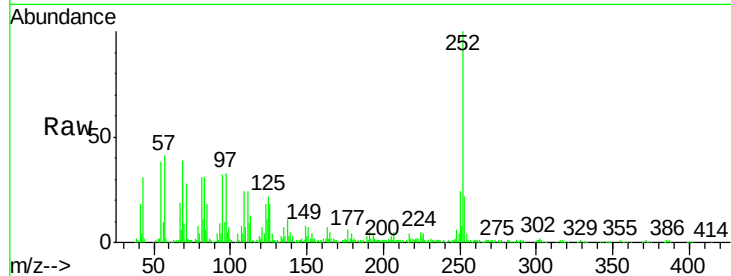




#90
Benzo(a)pyrene
Concen: 8.432 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Instrument :
BNA_F
ClientSampleId :
1S-D1-D4-COMP-(30)

Tot Ion:252 Resp: 152393
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 22.0 8.8 13.2#



#92
Benzo(g,h,i)perylene
Concen: 5.632 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.02 min
Lab File: BF115953.D
Acq: 2 Aug 2019 18:18

Tgt Ion:276 Resp: 86530
Ion Ratio Lower Upper
276 100
277 24.7 19.5 29.3
138 24.6 17.8 26.8

