

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115669.D
 Acq On : 19 Jul 2019 11:40
 Operator : HP/JU
 Sample : K3835-31
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 13:26:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	210862	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	826743	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	388645	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	645747	20.00	ng	0.00
76) Chrysene-d12	14.04	240	393029	20.00	ng	0.00
87) Perylene-d12	15.52	264	411823	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1006242	78.06	ng	0.00
7) Phenol-d6	6.51	99	1336833	81.73	ng	0.00
23) Nitrobenzene-d5	7.44	82	846304	59.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	322969	71.19	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	1471967	66.29	ng	-0.01
79) Terphenyl-d14	12.99	244	1244081	58.41	ng	-0.01

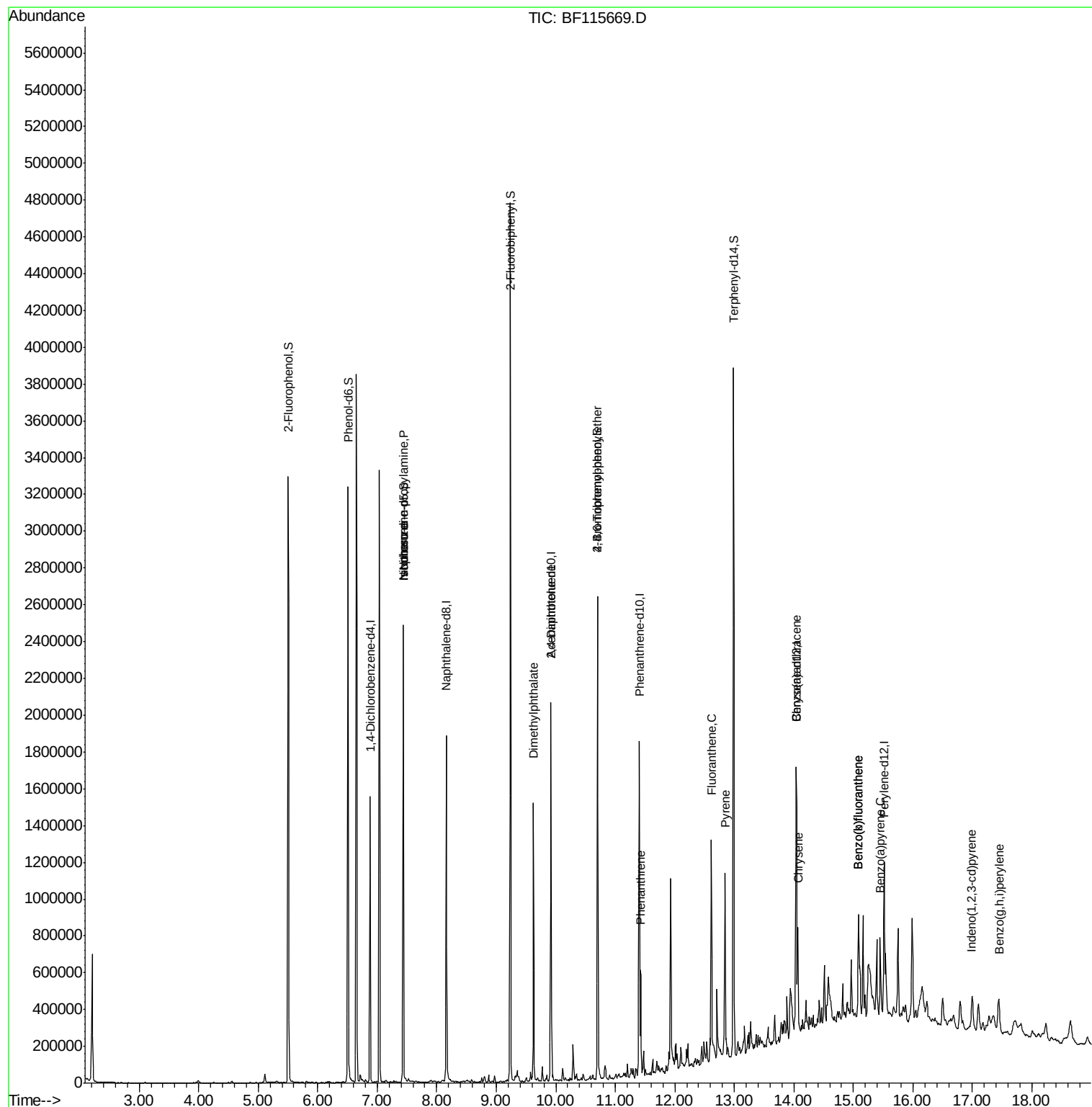
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	112131	10.511	ng	# 78
25) Isophorone	7.44	82	831976	29.243	ng	# 64
50) Dimethylphthalate	9.63	163	532541	18.212	ng	98
57) 2,4-Dinitrotoluene	9.92	165	51302	5.959	ng	# 24
67) 4-Bromophenyl-phenylether	10.70	248	20416	2.767	ng	# 1
71) Phenanthrene	11.43	178	211820	6.399	ng	95
75) Fluoranthene	12.62	202	434585	12.424	ng	99
78) Pyrene	12.84	202	400335	12.022	ng	96
81) Benzo(a)anthracene	14.03	228	221493	8.554	ng	98
83) Chrysene	14.07	228	239217	9.203	ng	96
86) Indeno(1,2,3-cd)pyrene	17.00	276	131999	5.977	ng	96
88) Benzo(b)fluoranthene	15.09	252	423393	15.966	ng	99
89) Benzo(k)fluoranthene	15.09	252	423393	17.908	ng	99
90) Benzo(a)pyrene	15.45	252	204699	8.981	ng	98
92) Benzo(a,h,i)perylene	17.44	276	146750	7.354	ng	97

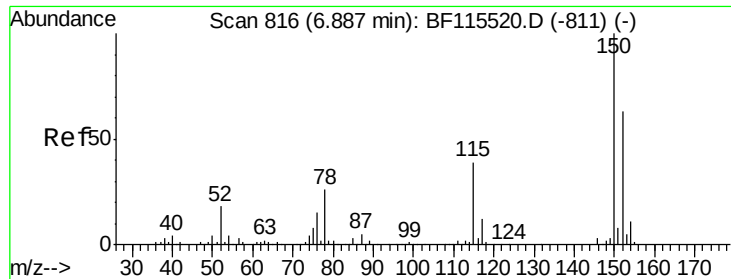
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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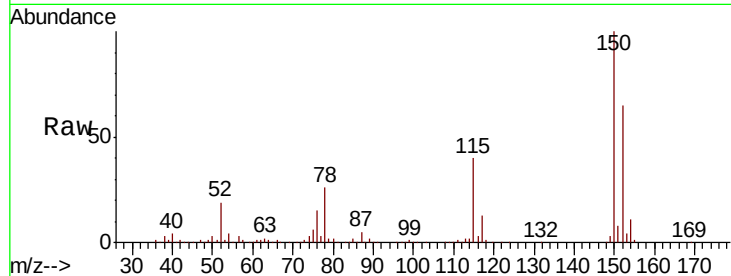


#1

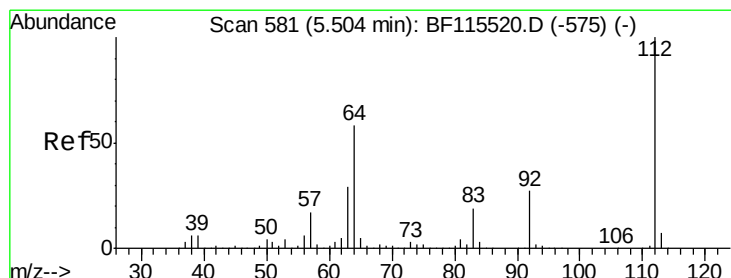
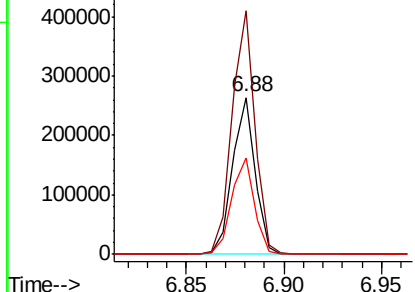
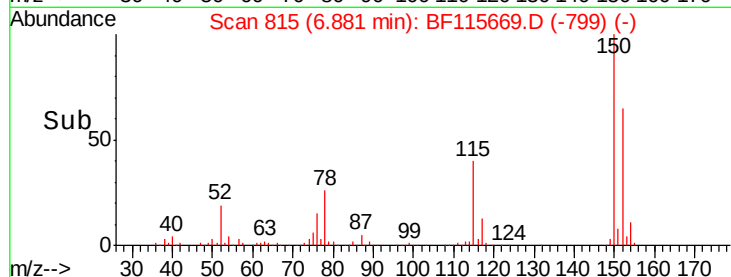
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 210862
Ion Ratio Lower Upper
152 100
150 155.0 129.7 194.5
115 61.3 48.2 72.4



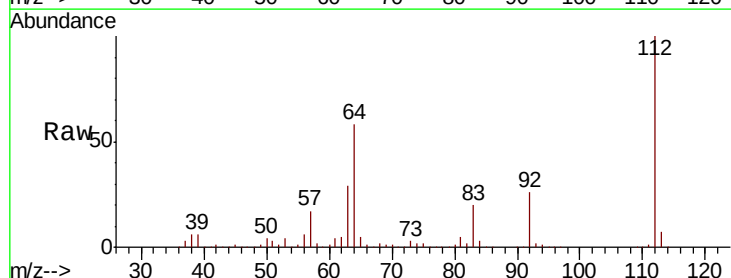
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



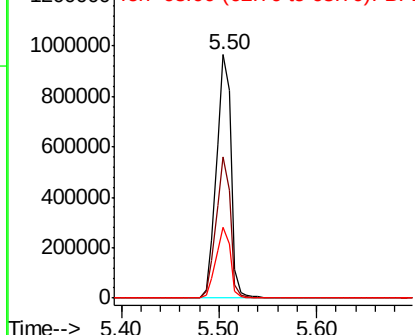
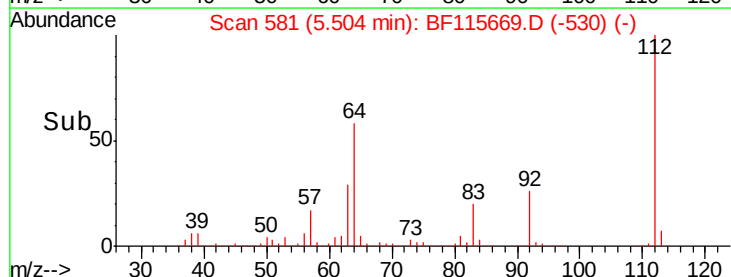
#5

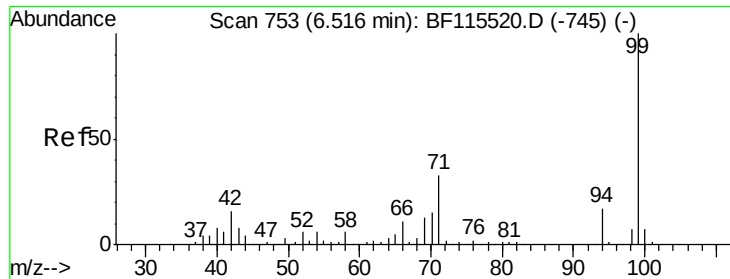
2-Fluorophenol
Concen: 78.057 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Tgt Ion:112 Resp: 1006242
Ion Ratio Lower Upper
112 100
64 57.9 46.8 70.2
63 29.4 24.1 36.1



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: 81.727 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

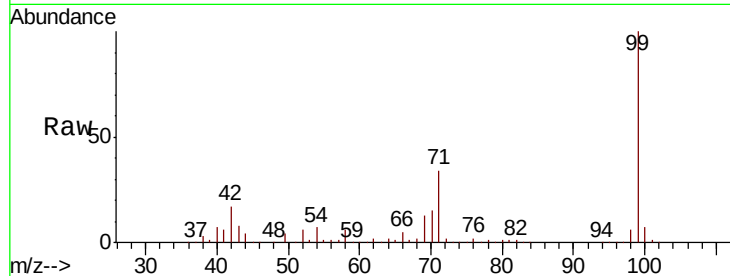
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1336833

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.6	20.4
71	33.9	28.5	42.7

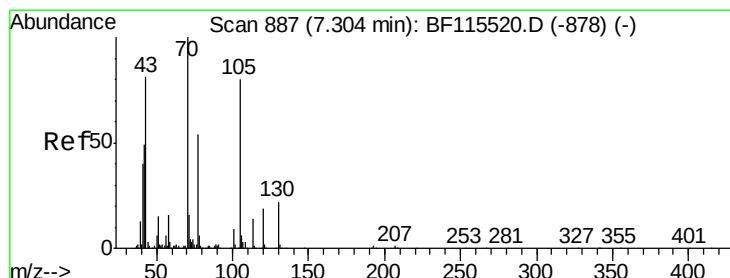
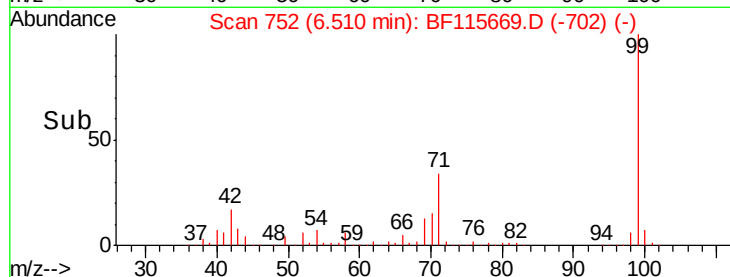
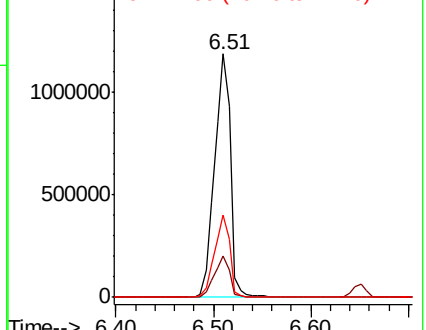


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 10.511 ng

RT: 7.44 min Scan# 910

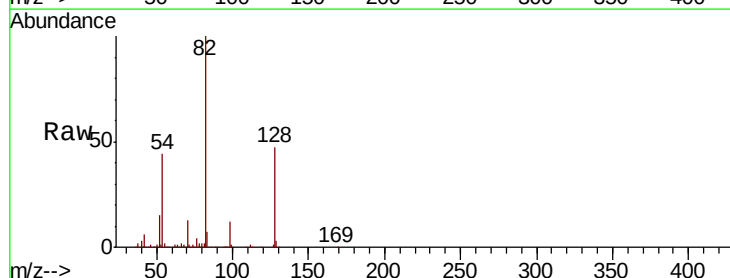
Delta R.T. 0.14 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

Tgt Ion: 70 Resp: 112131

Ion	Ratio	Lower	Upper
70	100		
42	42.0	39.6	59.4
101	0.0	8.1	12.1#
130	2.2	18.2	27.2#



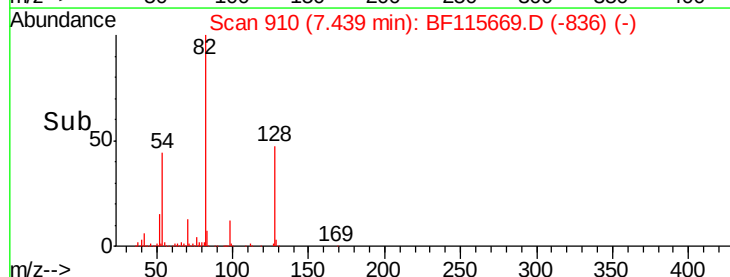
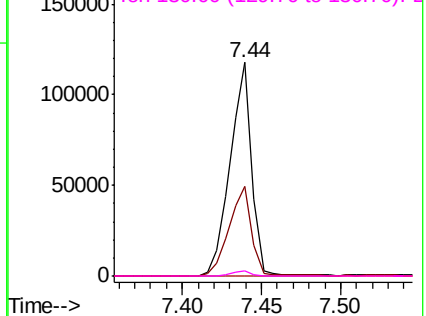
Abundance

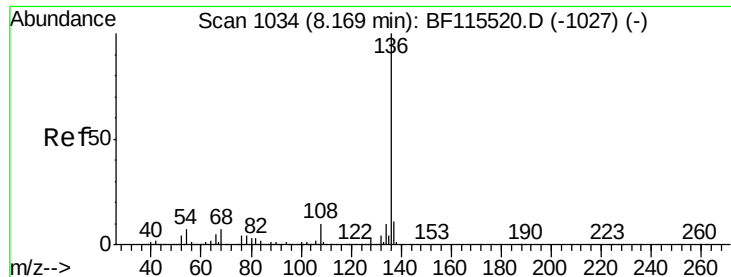
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

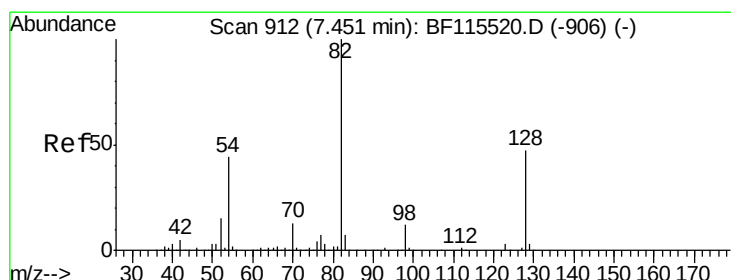
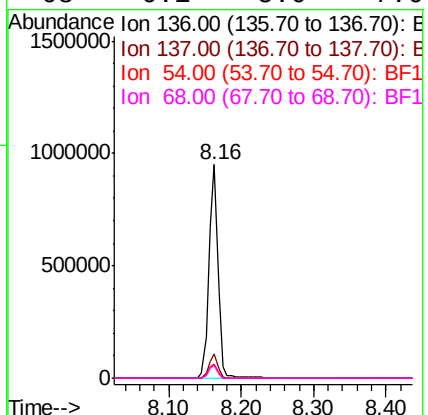
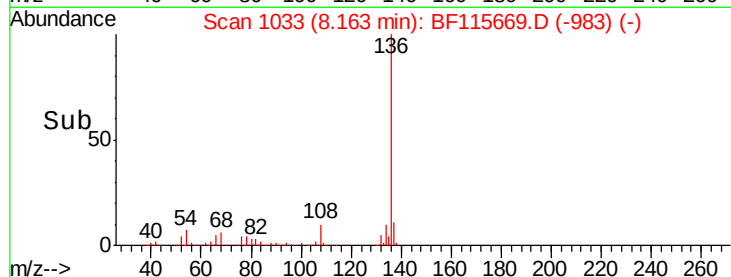
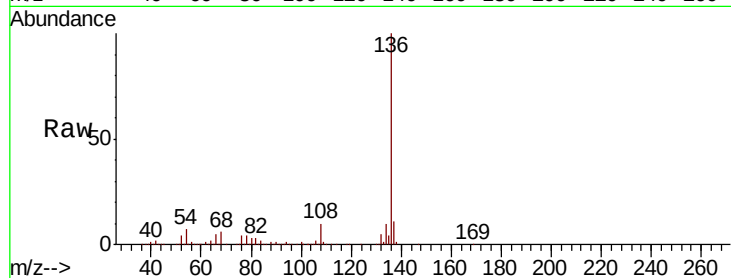




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

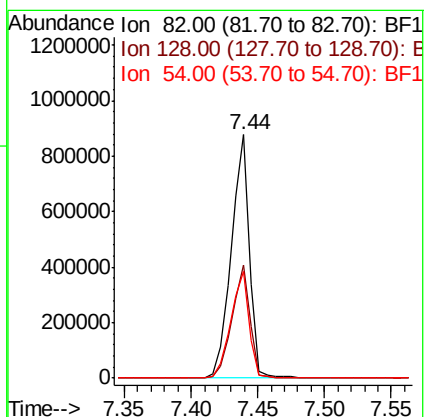
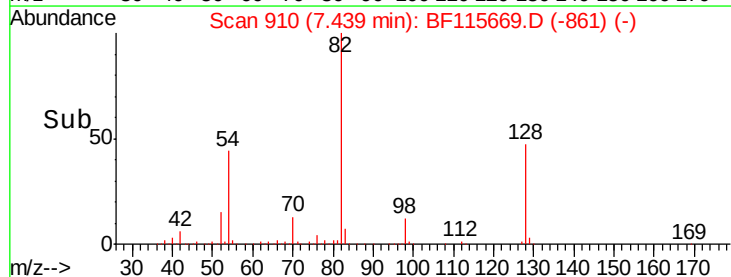
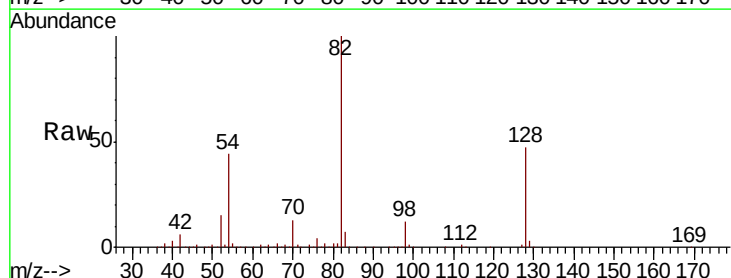
Instrument :
BNA_F
ClientSampled :

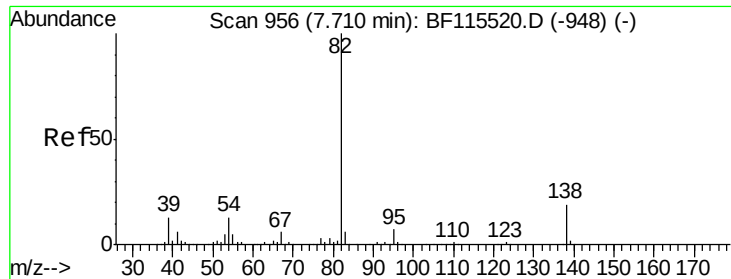
Tot Ion:136	Resp:	826743
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	6.6	5.6 8.4
68	6.1	5.0 7.6



#23
Nitrobenzene-d5
Concen: 59.522 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Tgt Ion: 82	Resp:	846304
Ion Ratio	Lower	Upper
82	100	
128	46.7	38.6 57.8
54	44.0	35.6 53.4





#25

Isophorone

Concen: 29.243 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

Instrument :

BNA_F

ClientSampleId :

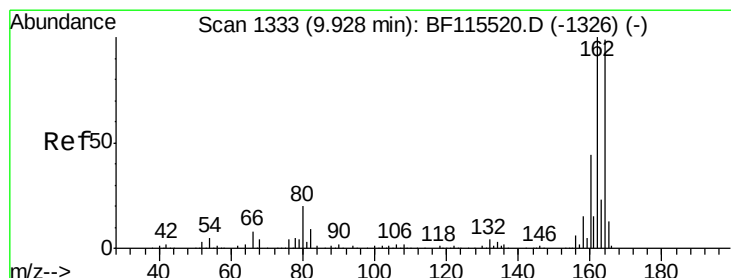
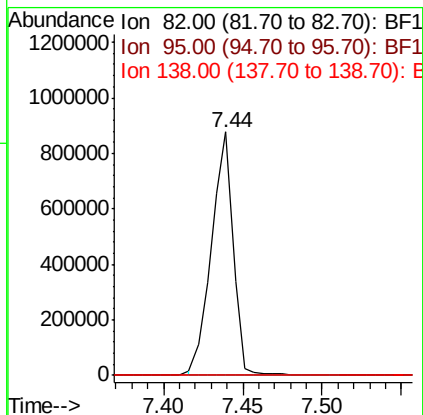
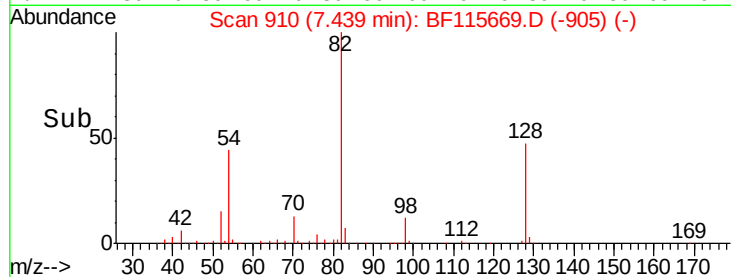
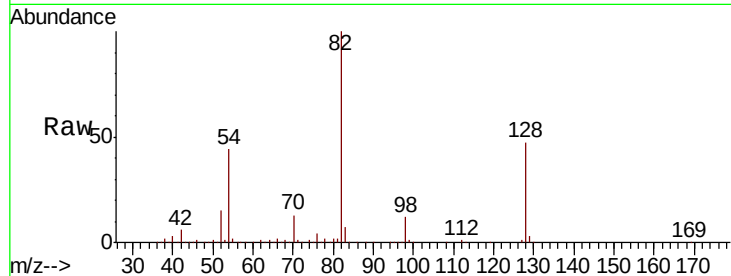
Tot Ion: 82 Resp: 831976

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

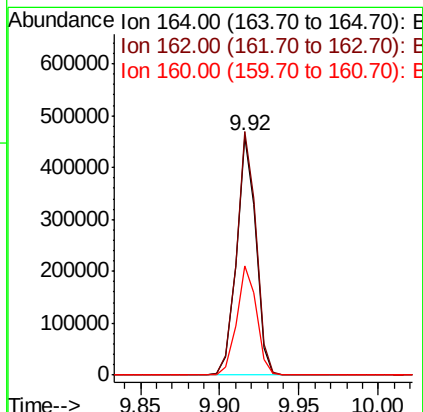
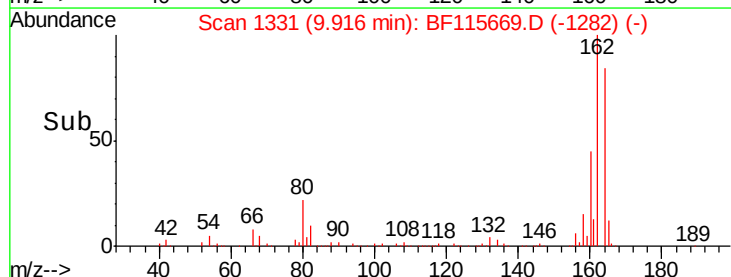
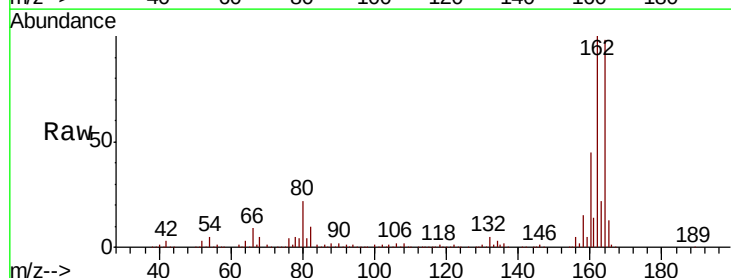
Tgt Ion:164 Resp: 388645

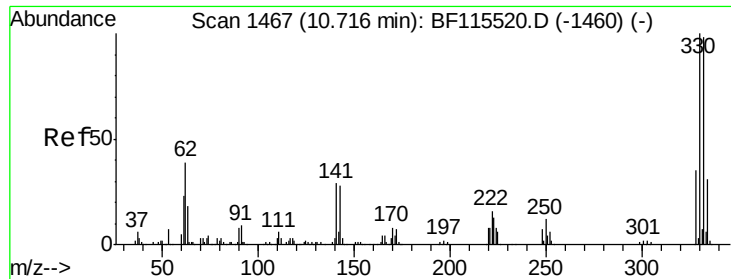
Ion Ratio Lower Upper

164 100

162 102.0 82.9 124.3

160 45.7 36.8 55.2





#42

2,4,6-Tribromophenol

Concen: 71.195 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

Instrument :

BNA_F

ClientSampleId :

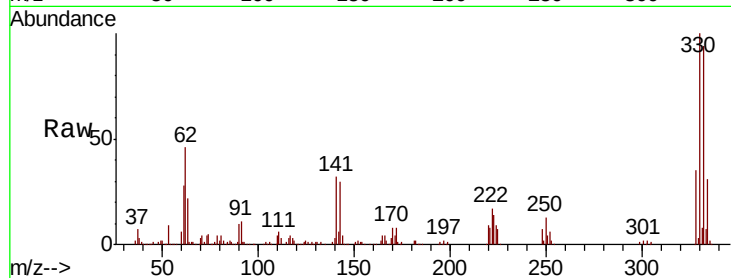
Tot Ion:330 Resp: 322969

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

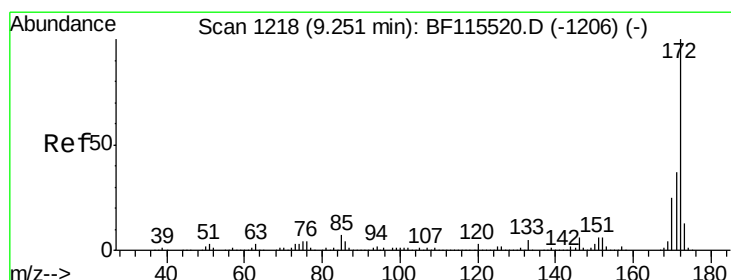
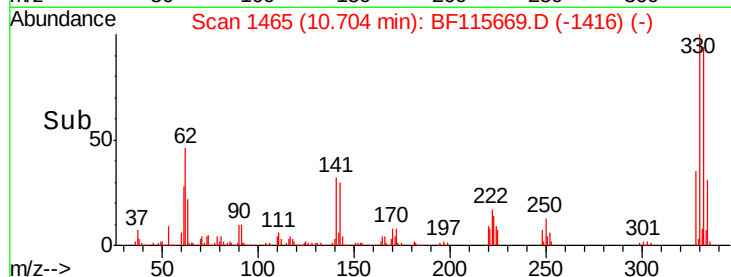
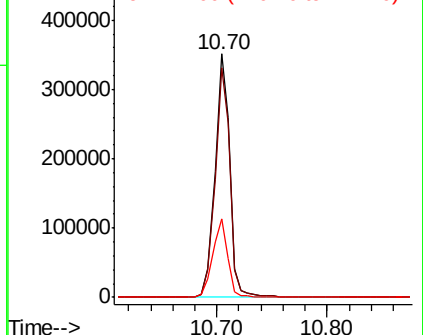
141 32.8 22.4 33.6



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: 66.291 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

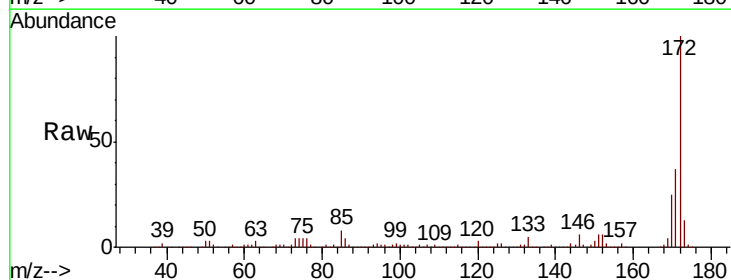
Tgt Ion:172 Resp: 1471967

Ion Ratio Lower Upper

172 100

171 36.7 30.6 46.0

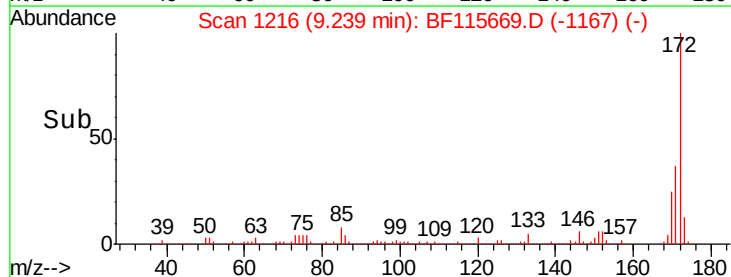
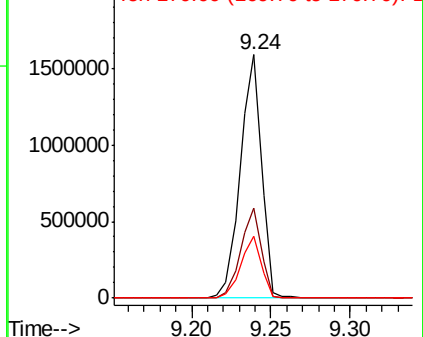
170 25.2 20.5 30.7

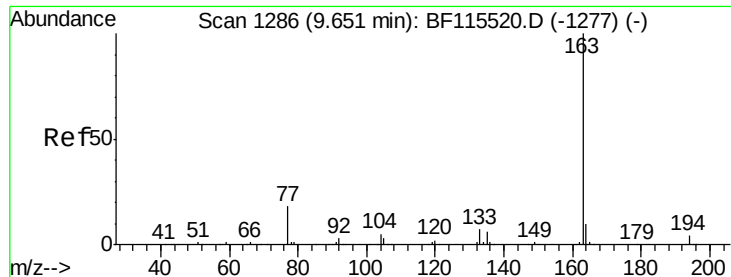


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

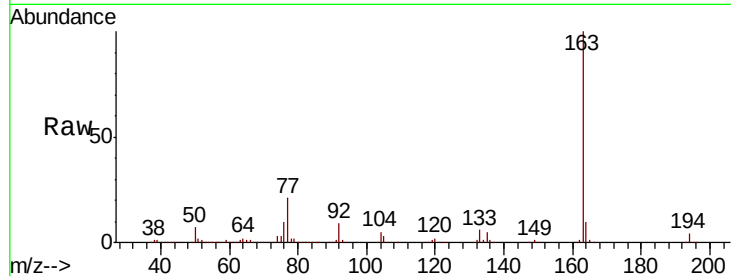




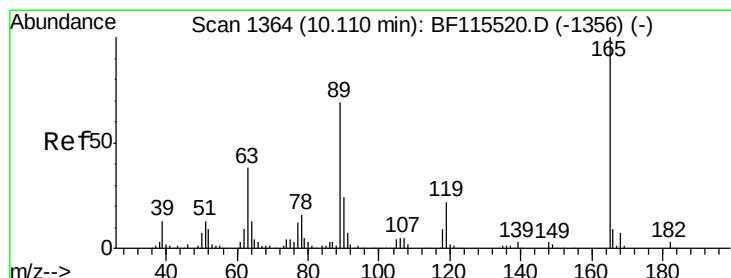
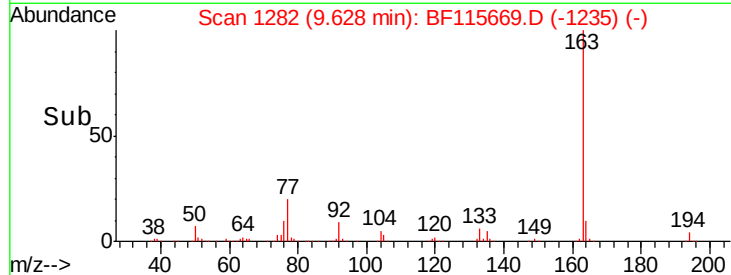
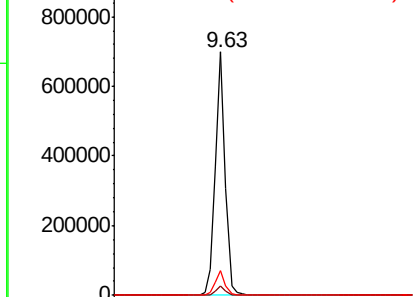
#50
Dimethylphthalate
Concen: 18.212 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 532541
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.2 8.7 13.1

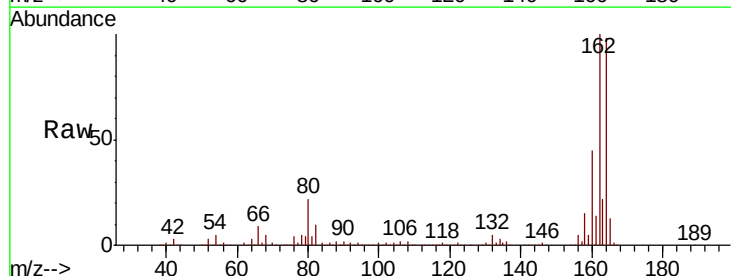


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

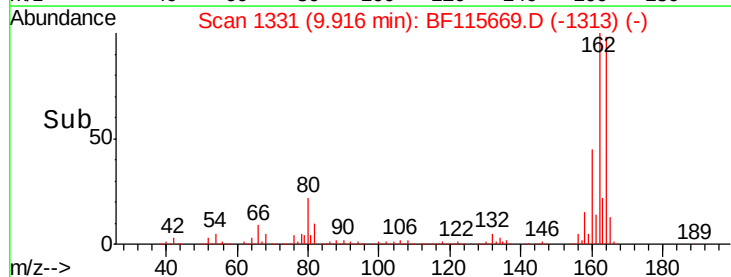
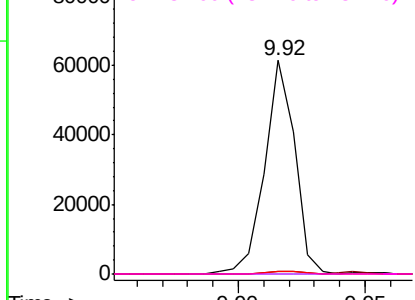


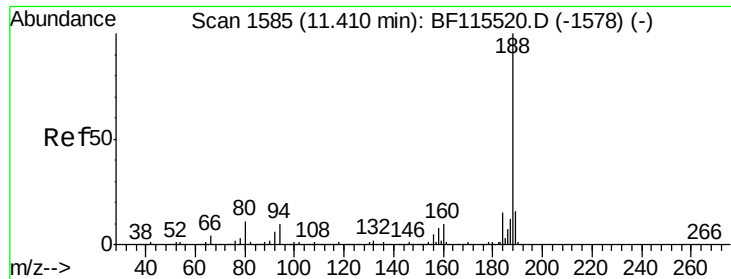
#57
2,4-Dinitrotoluene
Concen: 5.959 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Tgt Ion:165 Resp: 51302
Ion Ratio Lower Upper
165 100
63 1.2 34.9 52.3#
89 1.3 57.5 86.3#
182 0.0 2.2 3.4#



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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

Instrument :

BNA_F

ClientSampleId :

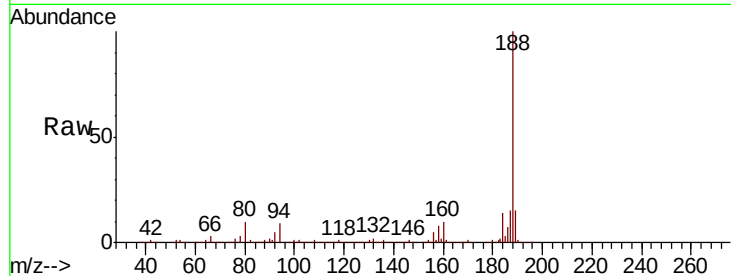
Tot Ion:188 Resp: 645747

Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.6

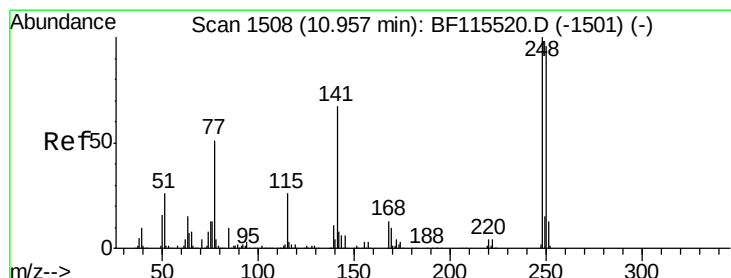
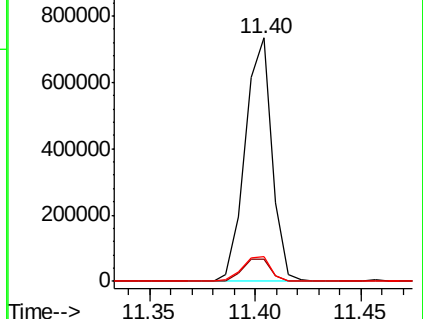
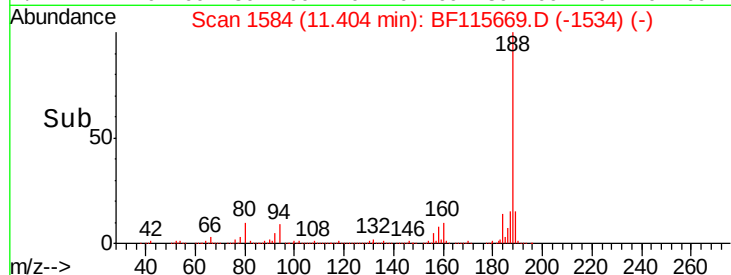
80 10.3 8.6 13.0



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: 2.767 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

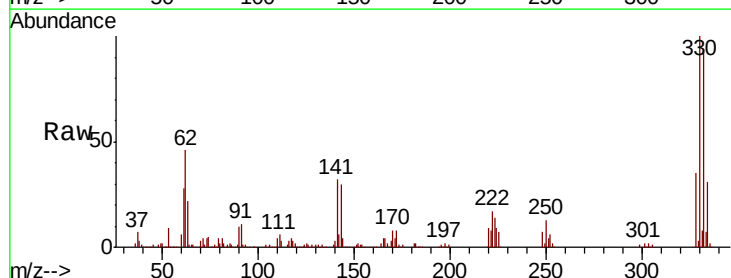
Tgt Ion:248 Resp: 20416

Ion Ratio Lower Upper

248 100

250 184.6 78.0 117.0#

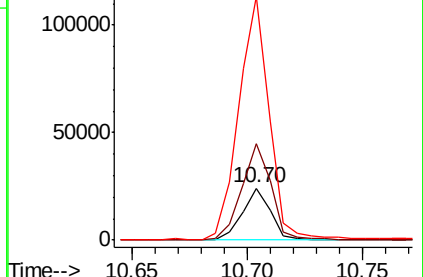
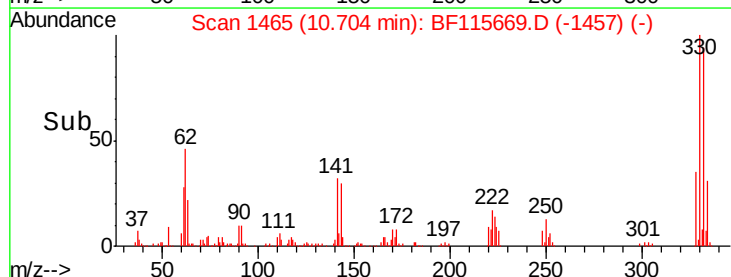
141 467.1 57.7 86.5#

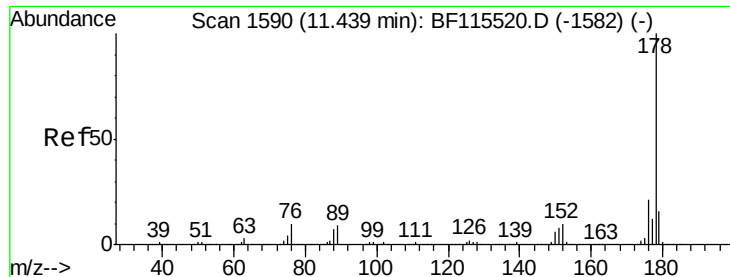


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

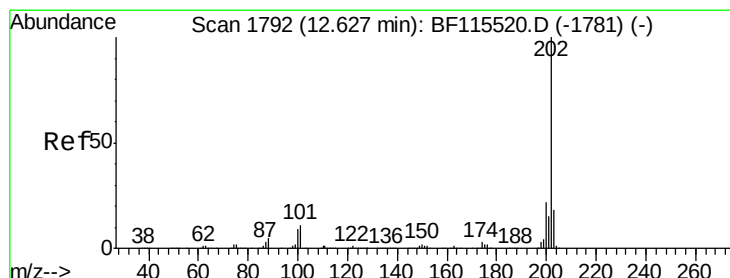
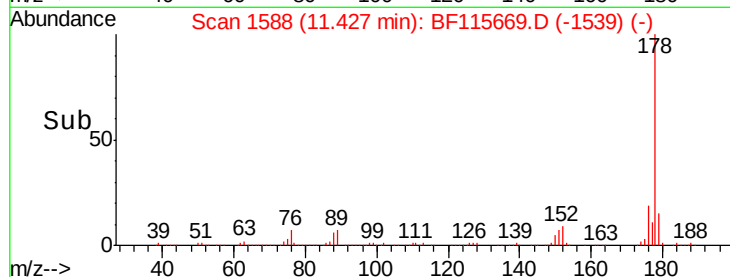
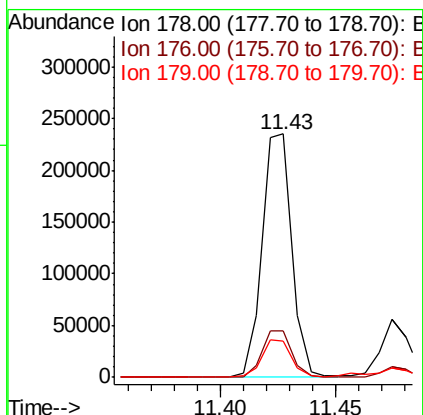
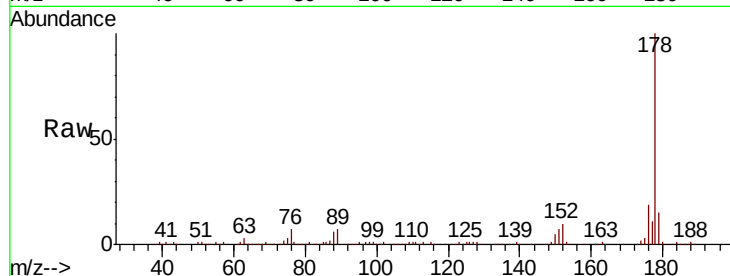




#71
Phenanthrene
Concen: 6.399 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

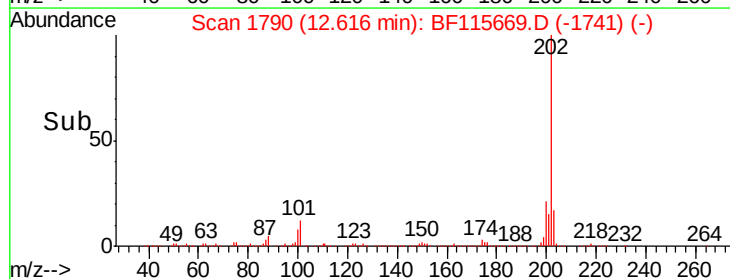
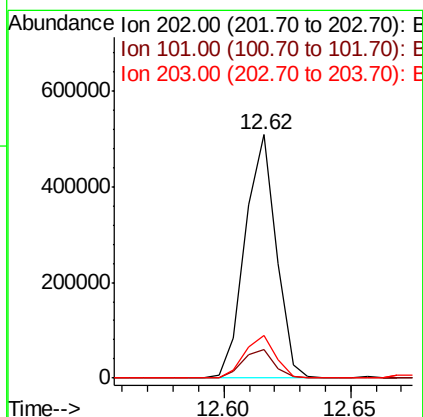
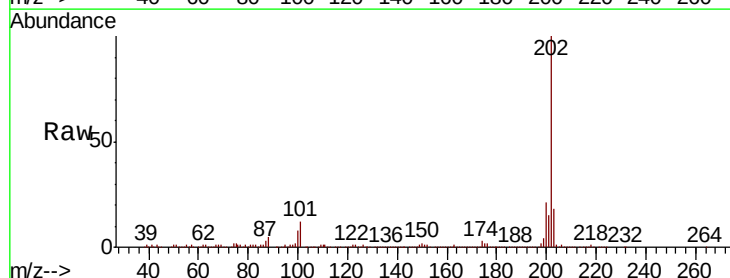
Instrument :
BNA_F
ClientSampleId :

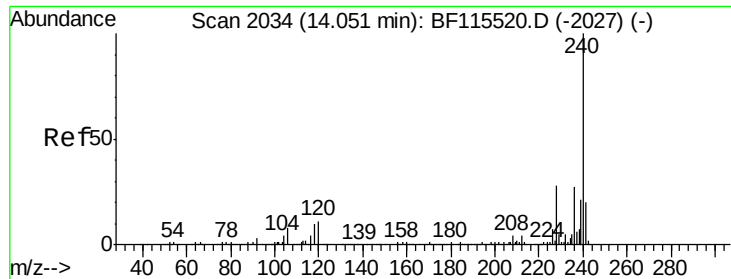
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	17.2	25.8
179	14.8	13.5	20.3



#75
Fluoranthene
Concen: 12.424 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	17.6	0.0	38.1

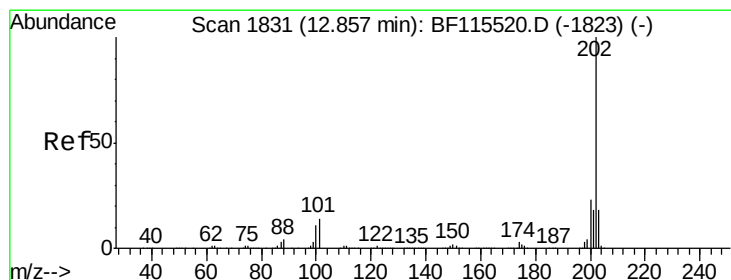
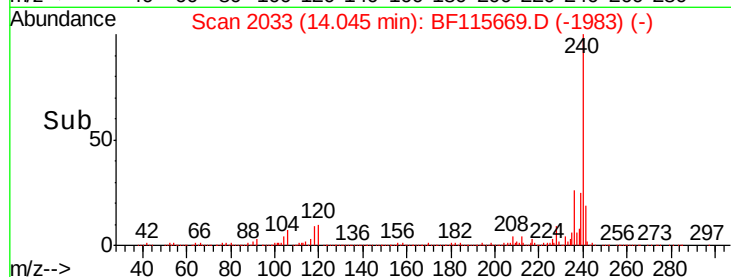
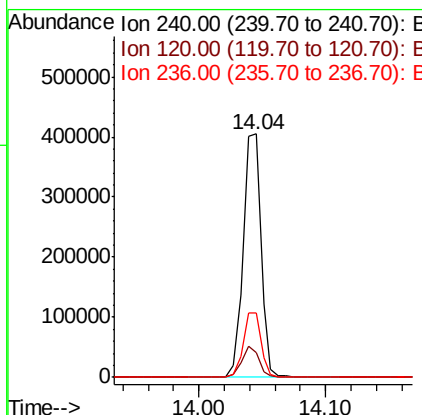
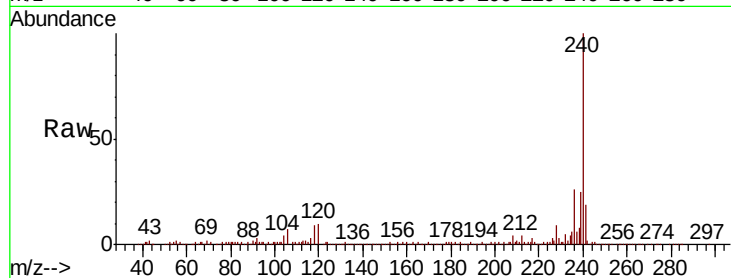




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

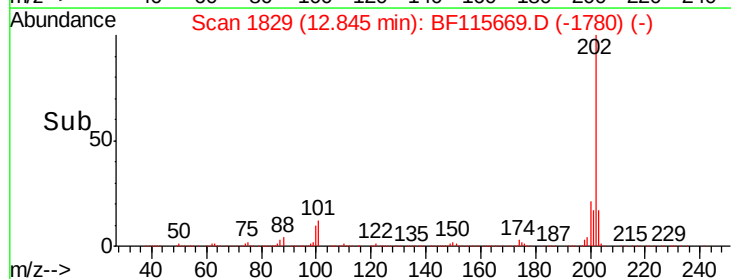
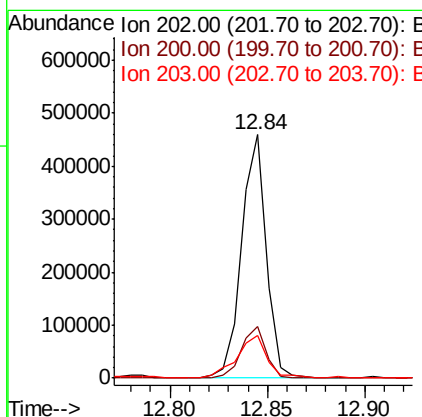
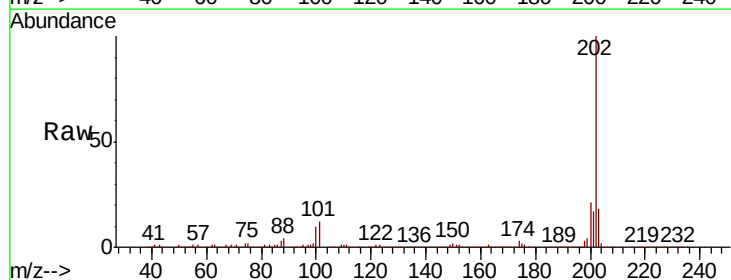
Instrument :
BNA_F
ClientSampled :

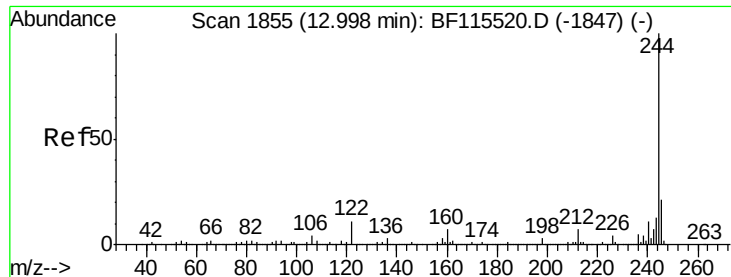
Tot Ion:240 Resp: 393029
Ion Ratio Lower Upper
240 100
120 10.0 8.6 13.0
236 26.4 21.3 31.9



#78
Pyrene
Concen: 12.022 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Tgt Ion:202 Resp: 400335
Ion Ratio Lower Upper
202 100
200 21.4 18.7 28.1
203 17.5 15.2 22.8





#79

Terphenyl-d14

Concen: 58.406 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

Instrument :

BNA_F

ClientSampleId :

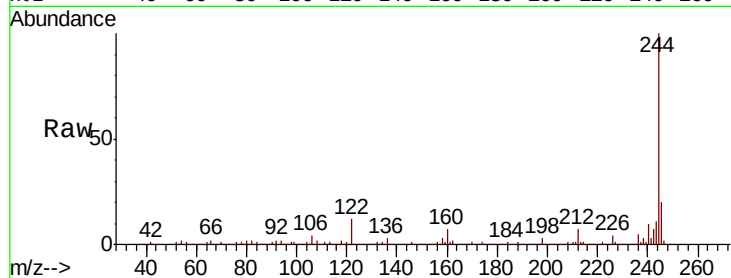
Tot Ion:244 Resp: 1244081

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

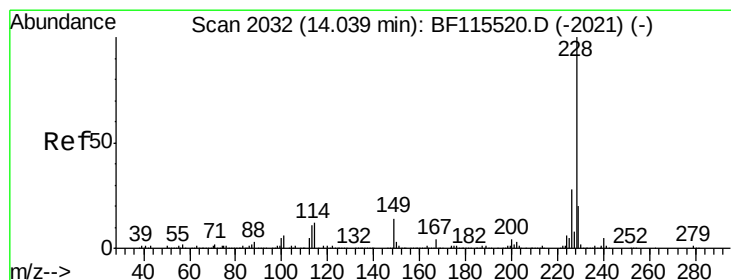
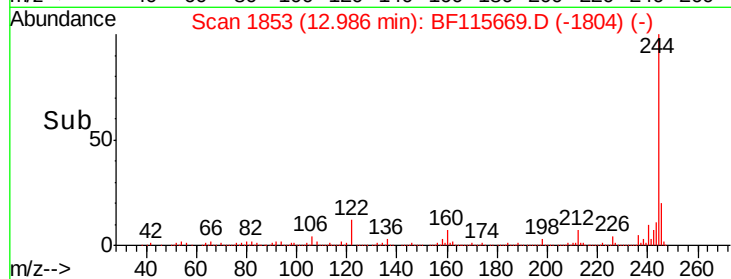
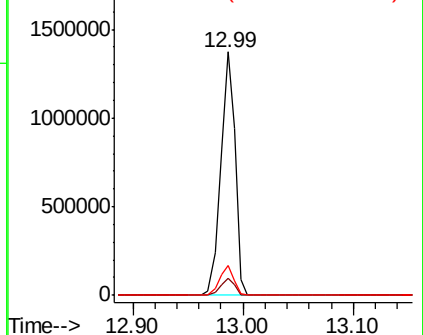
122 12.1 8.6 12.8



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: 8.554 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

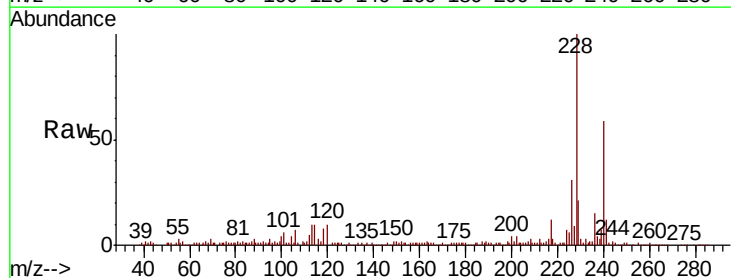
Tgt Ion:228 Resp: 221493

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.0

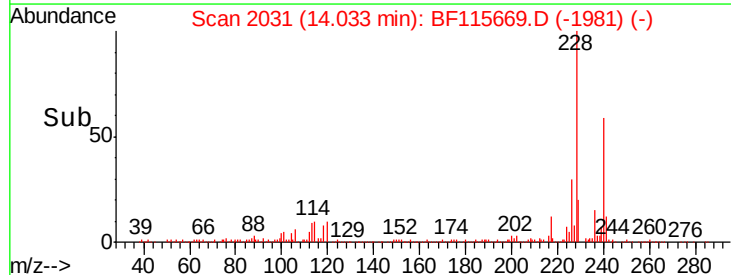
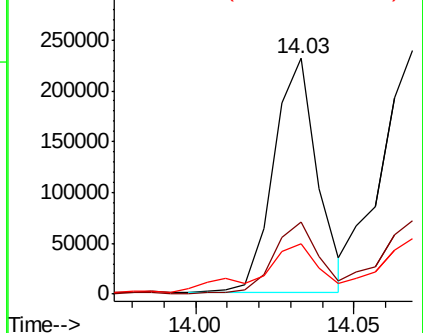
229 21.1 17.2 25.8

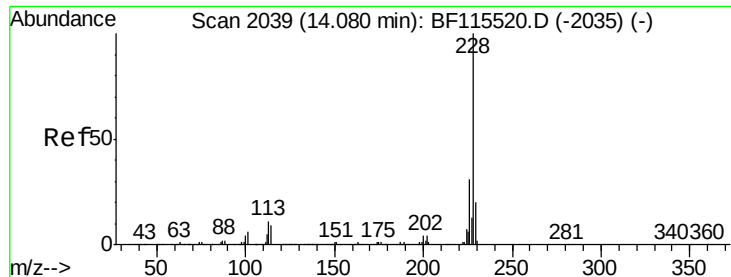


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

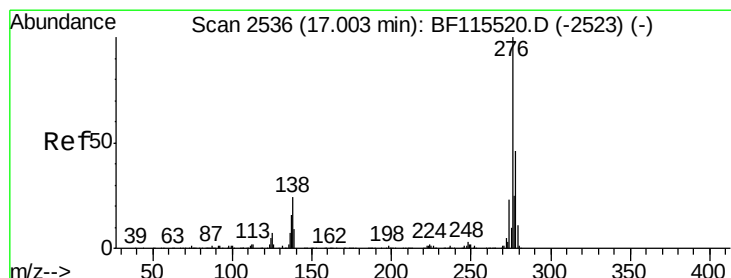
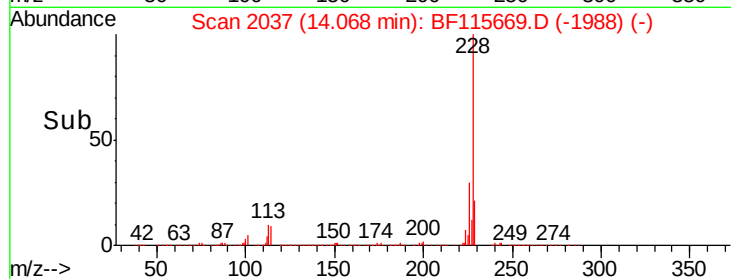
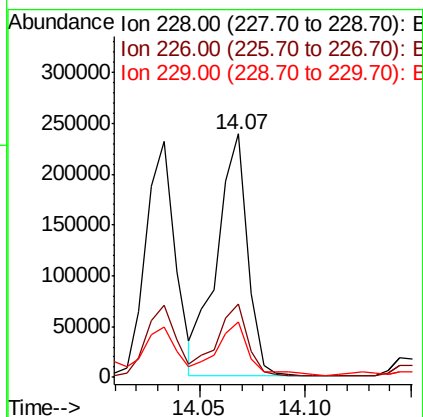
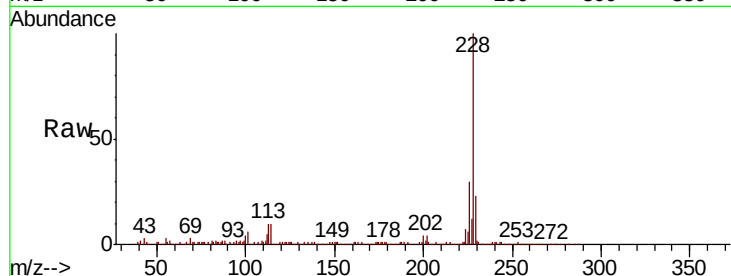




#83
Chrysene
Concen: 9.203 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

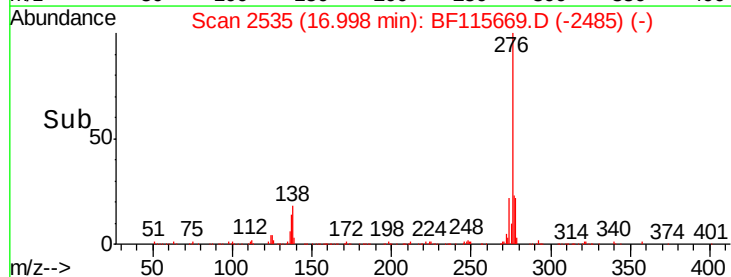
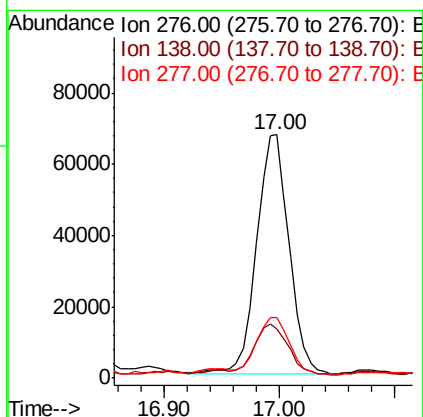
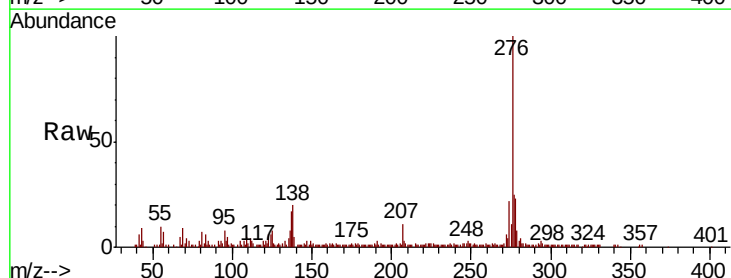
Instrument :
BNA_F
ClientSampleId :

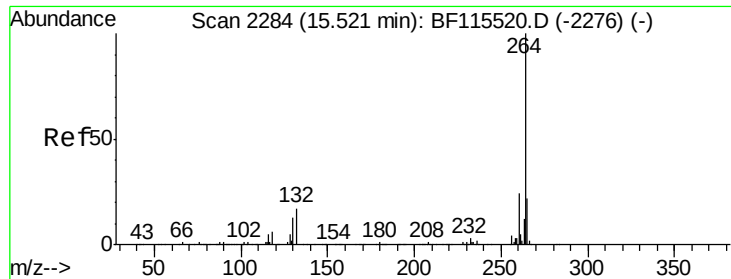
Tot Ion:228 Resp: 239217
Ion Ratio Lower Upper
228 100
226 30.1 25.7 38.5
229 22.5 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.977 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Tgt Ion:276 Resp: 131999
Ion Ratio Lower Upper
276 100
138 22.3 20.2 30.2
277 24.6 20.4 30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

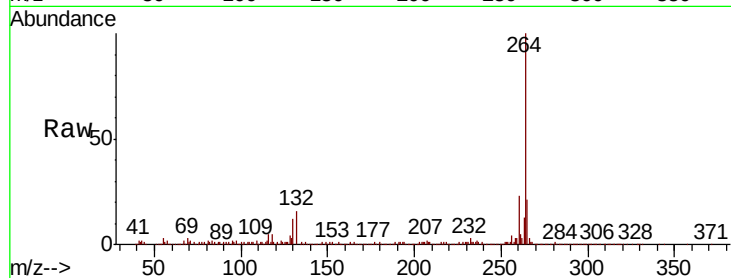
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 411823

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.8	29.8
265	21.4	17.7	26.5

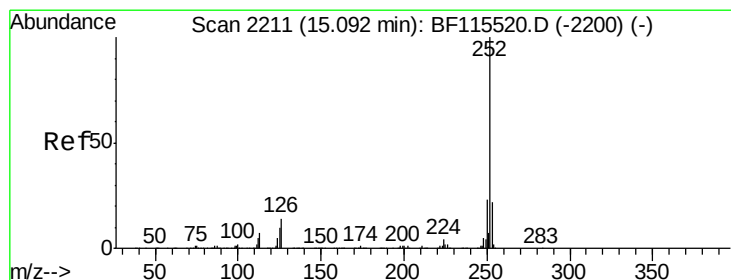
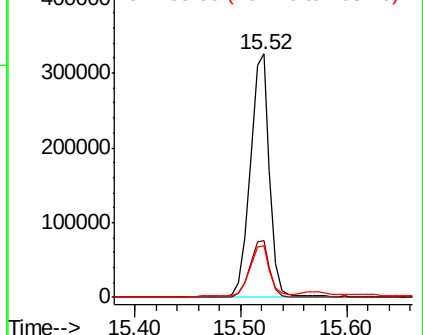
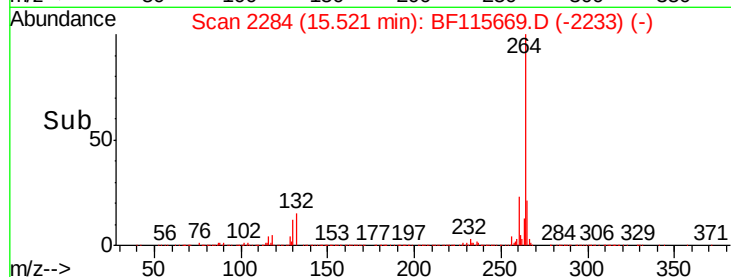


Abundance

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: 15.966 ng

RT: 15.09 min Scan# 2210

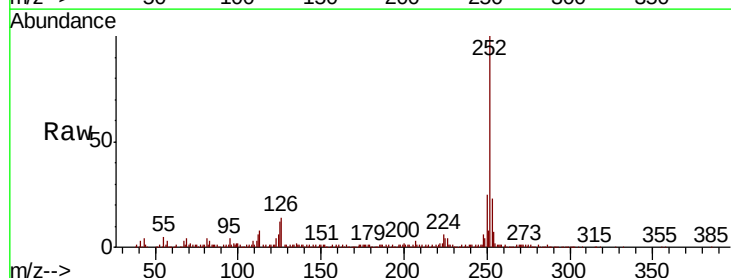
Delta R.T. -0.01 min

Lab File: BF115669.D

Acq: 19 Jul 2019 11:40

Tgt Ion:252 Resp: 423393

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.6	9.0	13.4

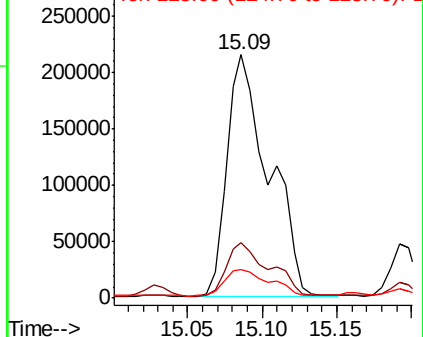
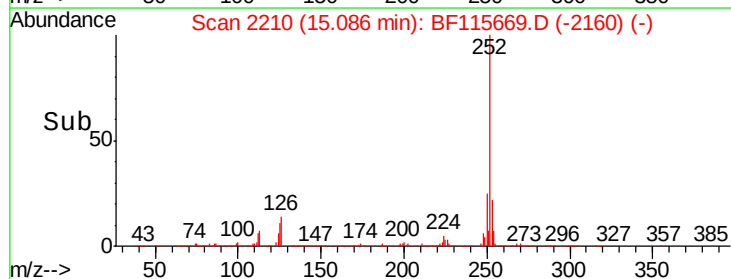


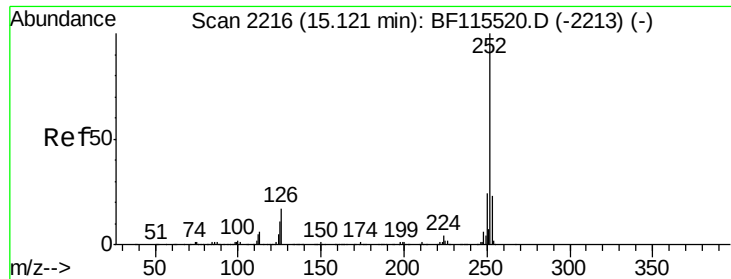
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

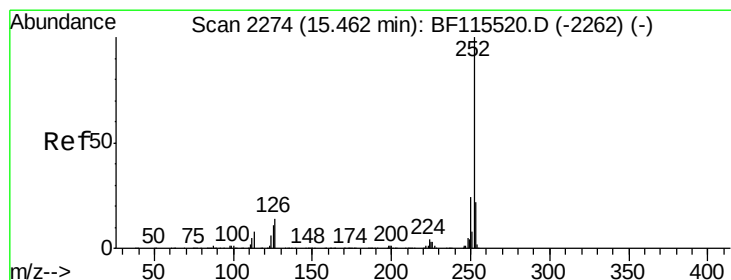
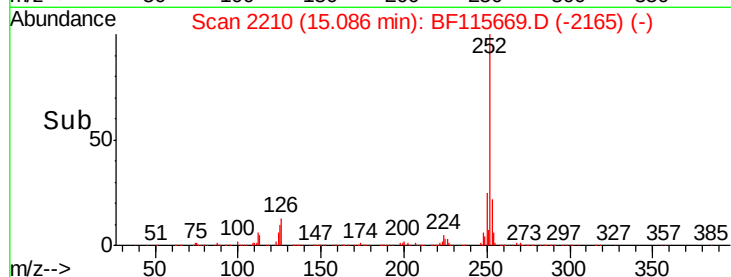
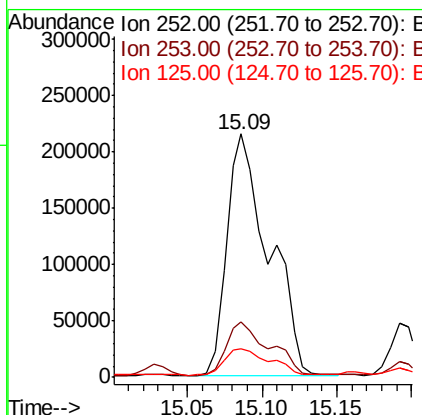
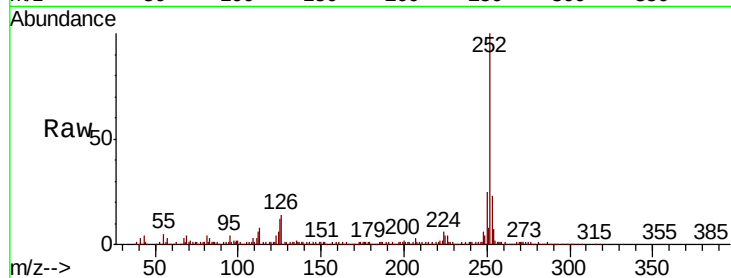




#89
Benzo(k)fluoranthene
Concen: 17.908 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

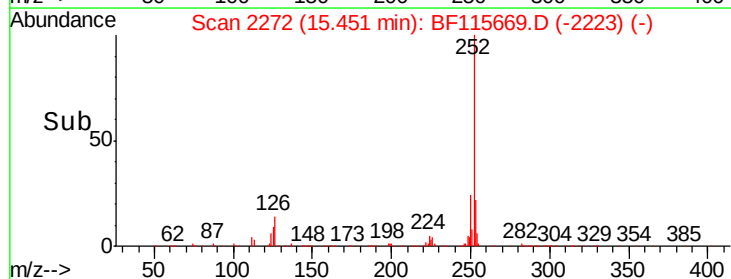
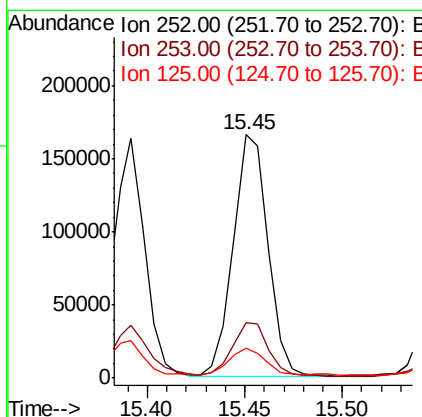
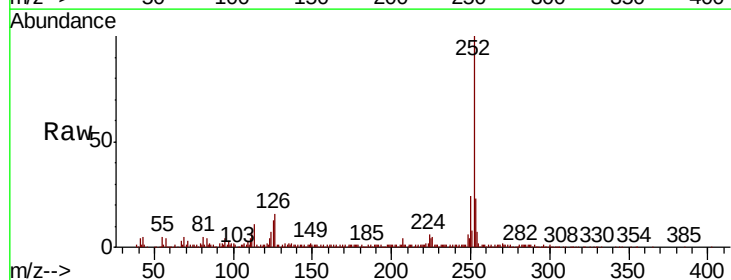
Instrument :
BNA_F
ClientSampled :

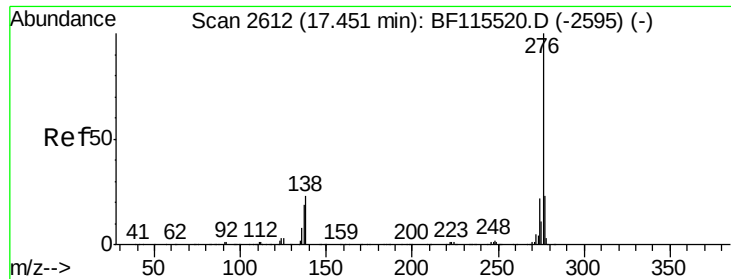
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	28.0
125	11.6	9.0	13.6



#90
Benzo(a)pyrene
Concen: 8.981 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115669.D
Acq: 19 Jul 2019 11:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.5	9.1	13.7





#92
 Benzo(a,h,i)perylene
 Concen: 7.354 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BF115669.D
 Acq: 19 Jul 2019 11:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.0	28.4
138	22.8	17.2	25.8

