

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116690.D
 Acq On : 31 Aug 2019 11:08
 Operator : HP/JU
 Sample : K4517-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-C

Quant Time: Aug 31 16:01:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	104168	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	407722	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	214281	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	359298	20.00	ng	0.00
76) Chrysene-d12	13.99	240	290453	20.00	ng	0.00
87) Perylene-d12	15.44	264	268392	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	833392	129.61	ng	0.00
7) Phenol-d6	6.47	99	1169581	138.52	ng	0.00
23) Nitrobenzene-d5	7.40	82	746499	104.52	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	207215	144.65	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	894110	70.39	ng	0.00
79) Terphenyl-d14	12.95	244	934131	59.50	ng	0.00

Target Compounds

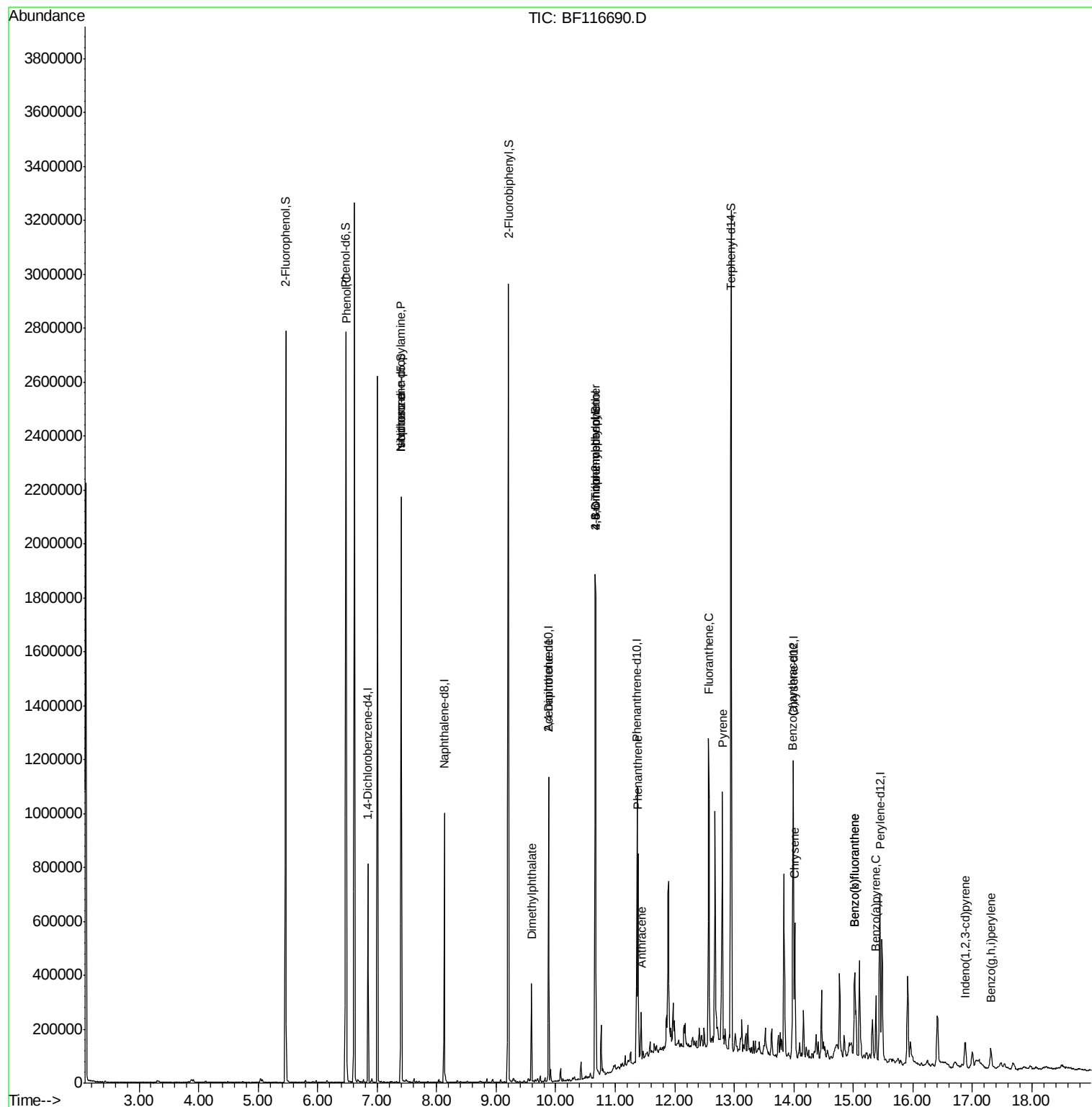
						Qvalue
10) Phenol	6.49	94	44746	4.786	ng	94
19) n-Nitroso-di-n-propylamine	7.40	70	98633	17.742	ng	# 73
25) Isophorone	7.40	82	746485	51.580	ng	# 66
50) Dimethylphthalate	9.59	163	134808	9.112	ng	98
57) 2,4-Dinitrotoluene	9.88	165	27621	8.003	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	507	7.775	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	14134	3.872	ng	# 1
71) Phenanthrene	11.39	178	290410	14.520	ng	100
72) Anthracene	11.43	178	49838	2.475	ng	98
75) Fluoranthene	12.57	202	419729	21.354	ng	97
78) Pyrene	12.80	202	350521	13.576	ng	99
81) Benzo(a)anthracene	13.98	228	175108	9.526	ng	99
83) Chrysene	14.02	228	165289	8.728	ng	97
86) Indeno(1,2,3-cd)pyrene	16.87	276	62701	4.122	ng	97
88) Benzo(b)fluoranthene	15.02	252	216002	13.312	ng	# 98
89) Benzo(k)fluoranthene	15.02	252	216002	14.600	ng	98
90) Benzo(a)pyrene	15.38	252	104467	7.400	ng	97
92) Benzo(g,h,i)perylene	17.31	276	54896	4.356	ng	# 93

(#) = 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# 809

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

ClientSampleId :

T4-S-C

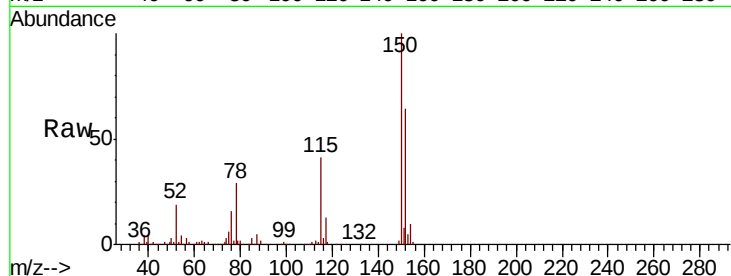
Tot Ion:152 Resp: 104168

Ion Ratio Lower Upper

152 100

150 156.3 124.4 186.6

115 64.7 49.9 74.9

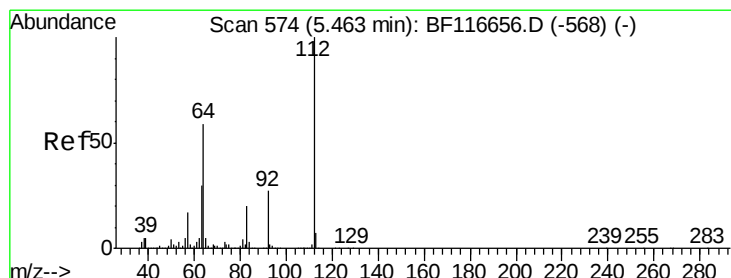
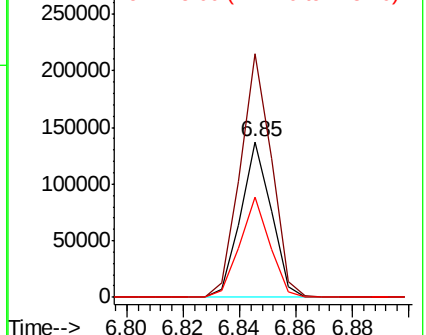
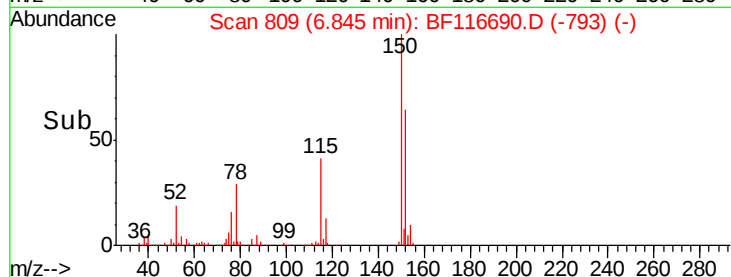


Abundance

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: 129.612 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

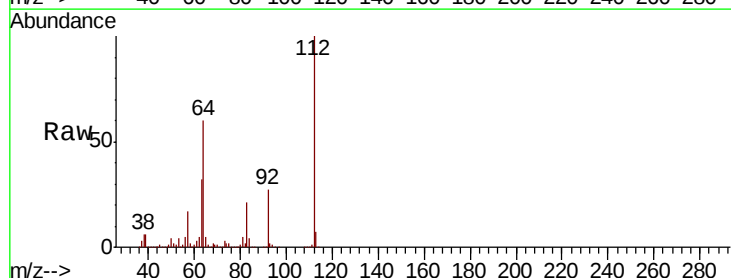
Tgt Ion:112 Resp: 833392

Ion Ratio Lower Upper

112 100

64 60.3 47.1 70.7

63 32.1 24.9 37.3

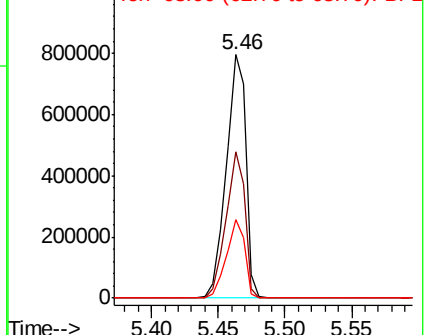
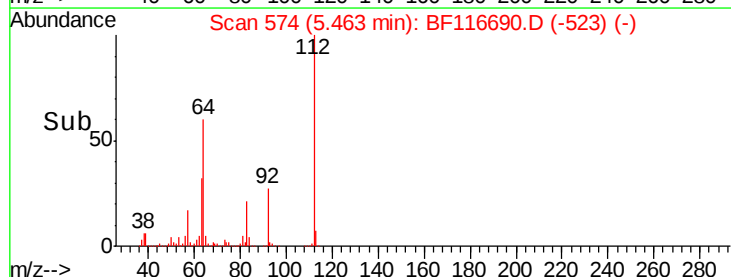


Abundance

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: 138.524 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

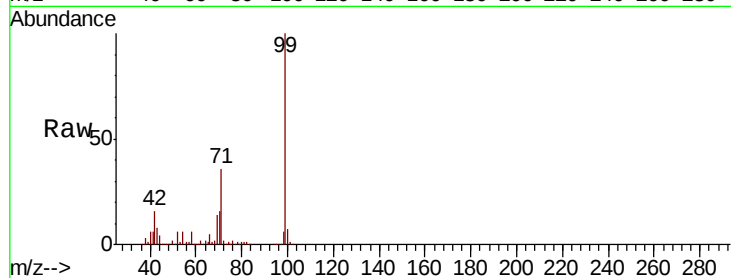
BNA_F

ClientSampleId :

T4-S-C

Tot Ion: 99 Resp: 1169581

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.7	20.5
71	36.4	30.8	46.2

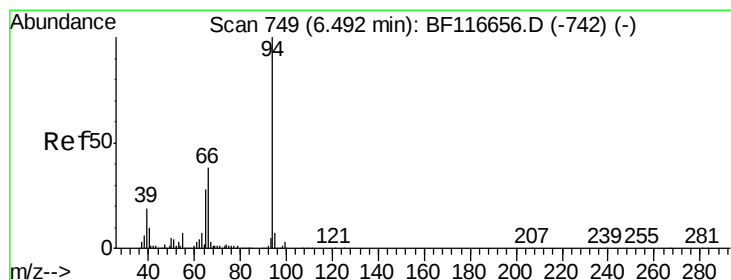
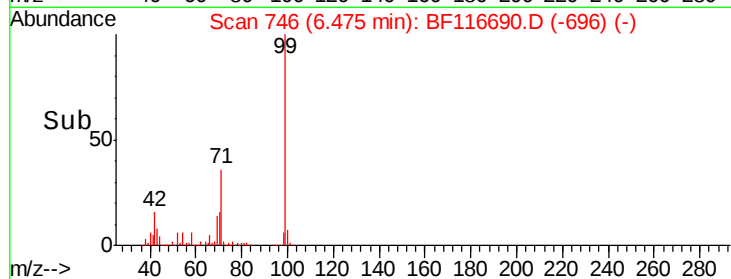
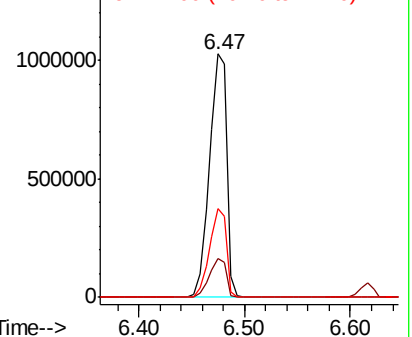


Abundance

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: 4.786 ng

RT: 6.49 min Scan# 748

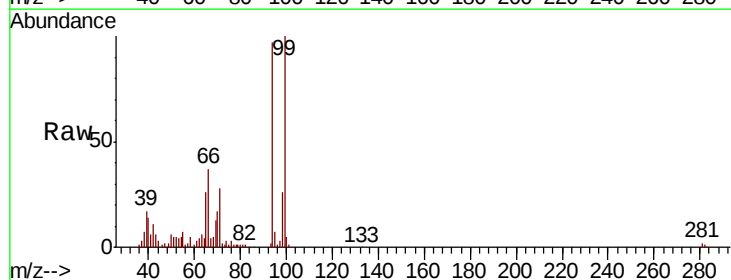
Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Tgt Ion: 94 Resp: 44746

Ion	Ratio	Lower	Upper
94	100		
65	26.9	10.8	50.8
66	37.9	21.1	61.1

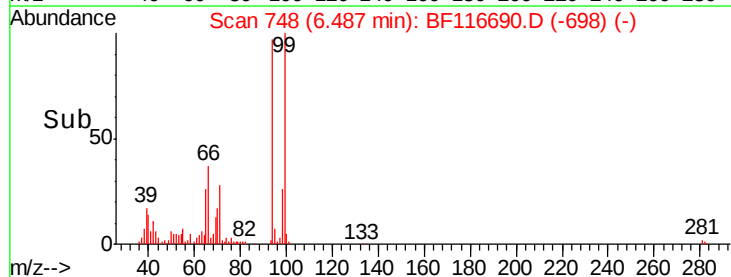
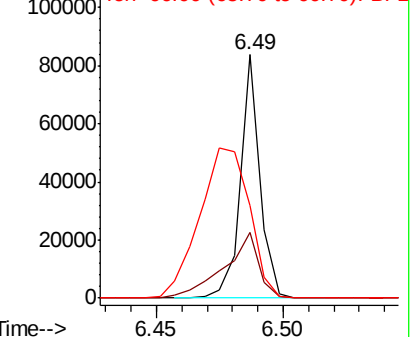


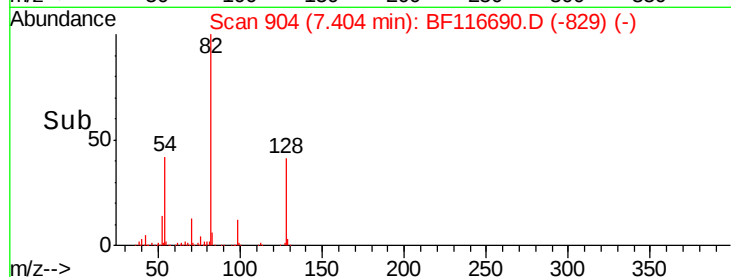
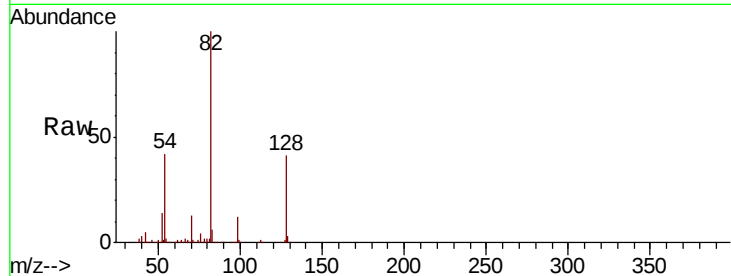
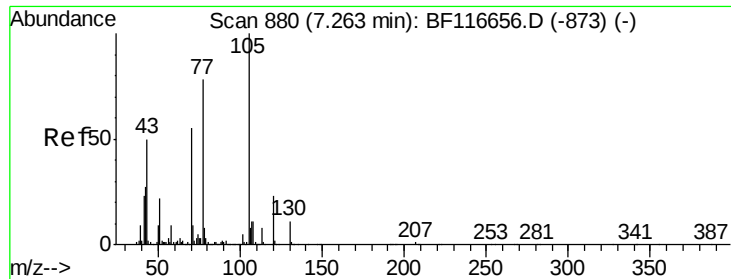
Abundance

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

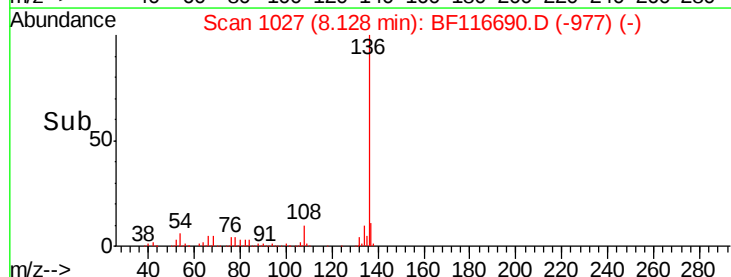
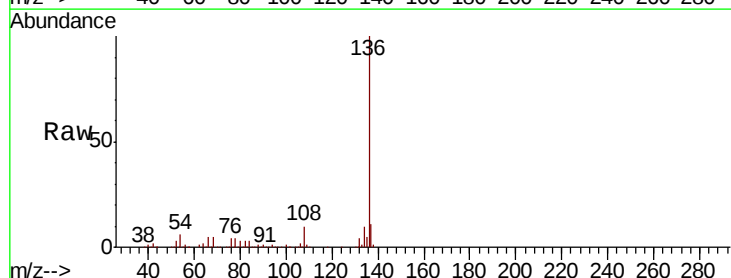
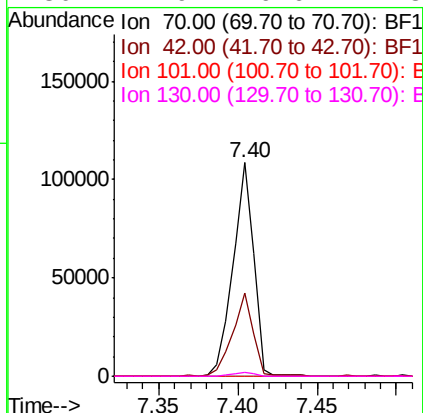




#19
n-Nitroso-di-n-propylamine
Concen: 17.742 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

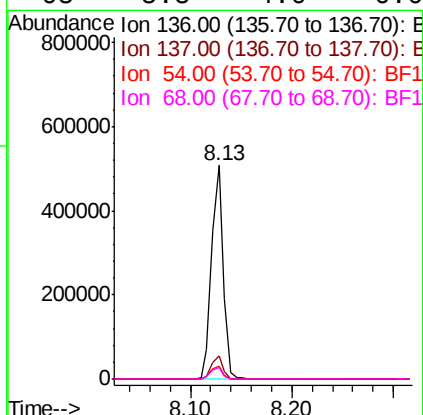
Instrument :
BNA_F
ClientSampleId :
T4-S-C

Tot Ion:	70	Resp:	98633
Ion	Ratio	Lower	Upper
70	100		
42	38.9	43.5	65.3#
101	0.0	7.8	11.6#
130	1.9	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion:	136	Resp:	407722
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.9	4.8	7.2
68	5.5	4.0	6.0





#23

Nitrobenzene-d5

Concen: 104.521 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

ClientSampleId :

T4-S-C

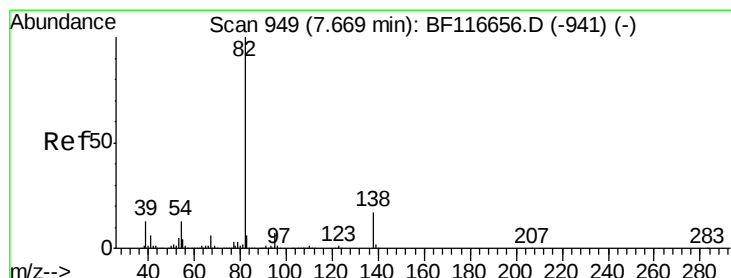
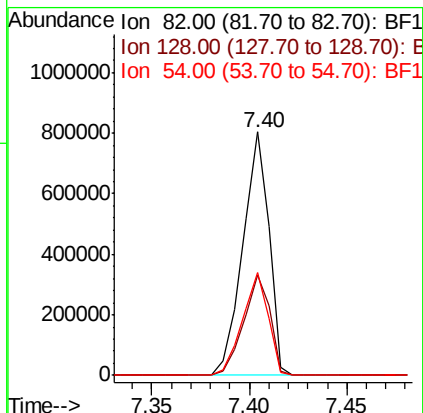
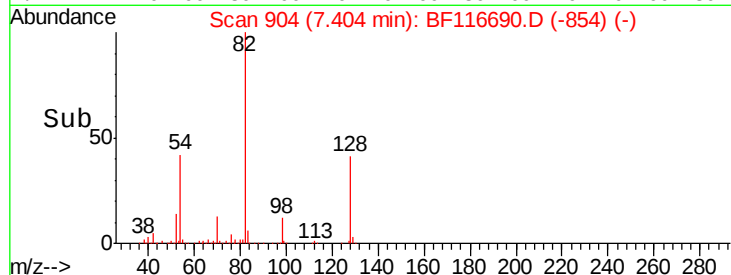
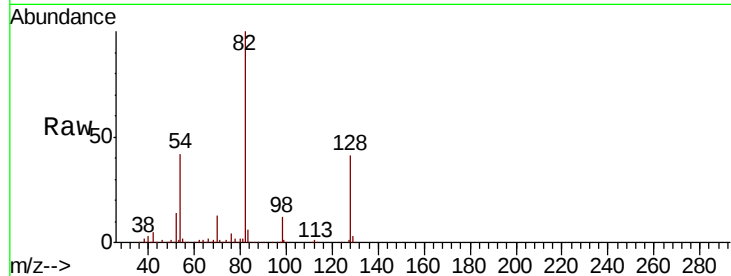
Tot Ion: 82 Resp: 746499

Ion Ratio Lower Upper

82 100

128 41.0 32.8 49.2

54 42.0 36.9 55.3



#25

Isophorone

Concen: 51.580 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

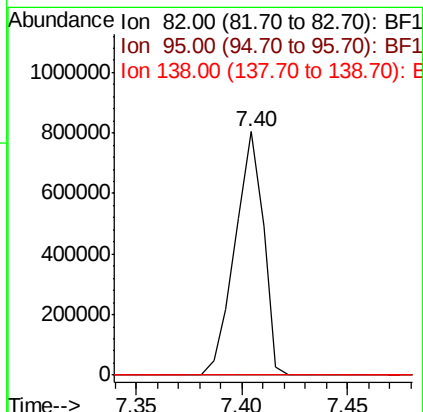
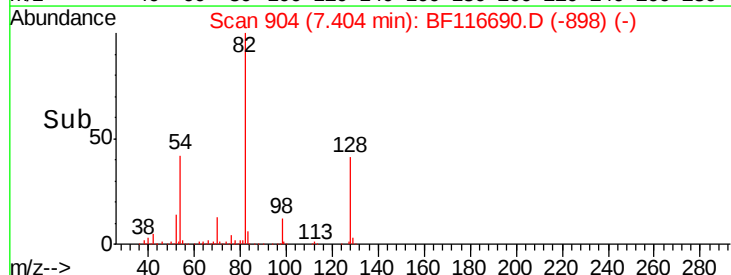
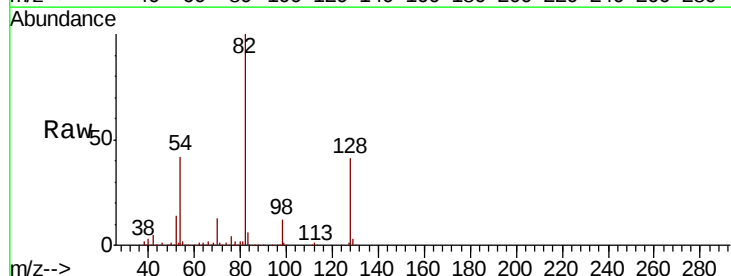
Tgt Ion: 82 Resp: 746485

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#

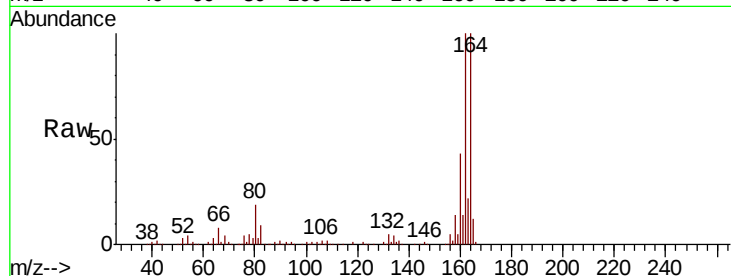




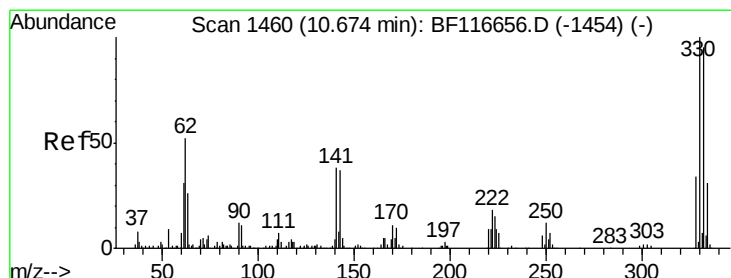
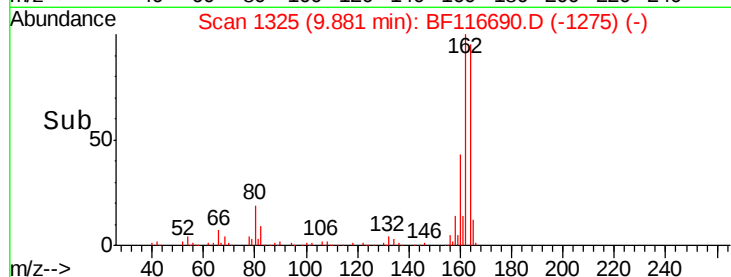
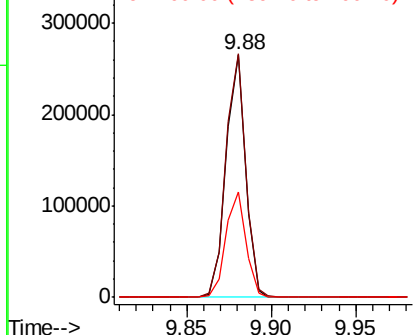
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampleId :
T4-S-C

Tot Ion:164 Resp: 214281
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 43.5 35.4 53.2

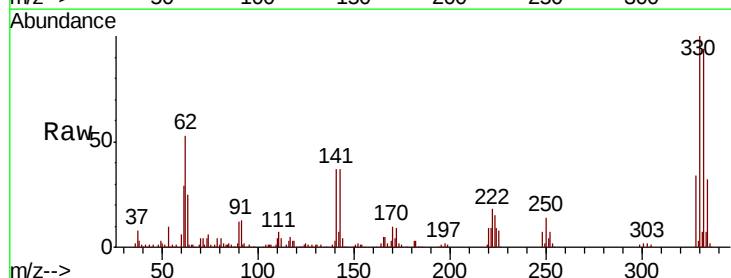


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

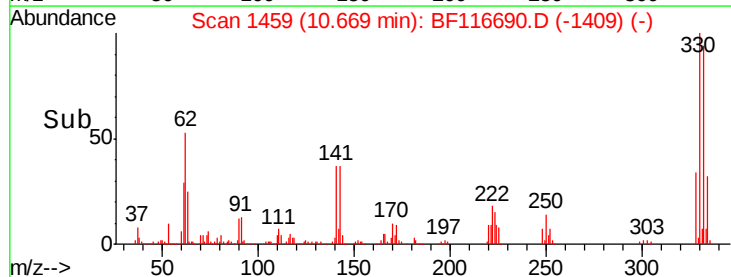
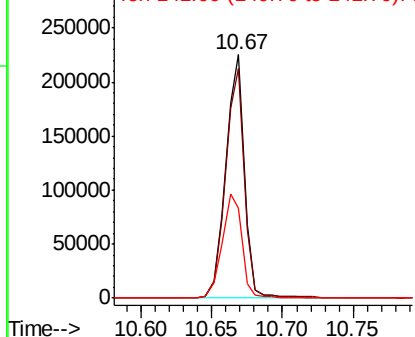


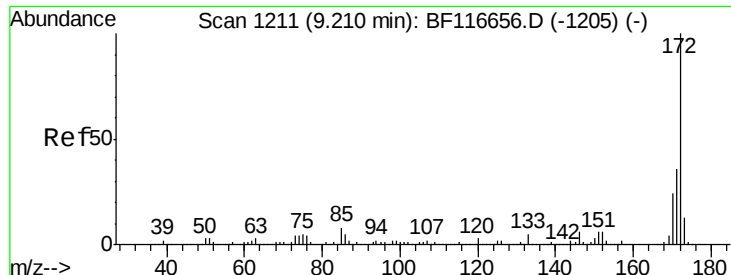
#42
2,4,6-Tribromophenol
Concen: 144.651 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion:330 Resp: 207215
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 45.7 31.4 47.2



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

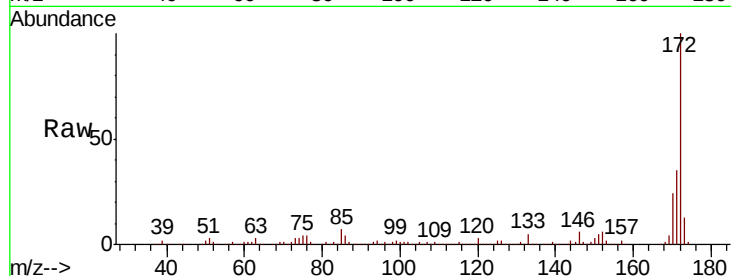




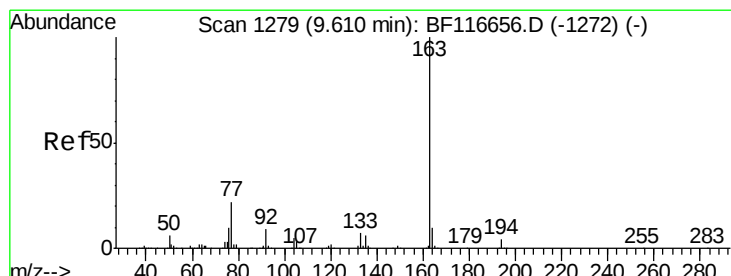
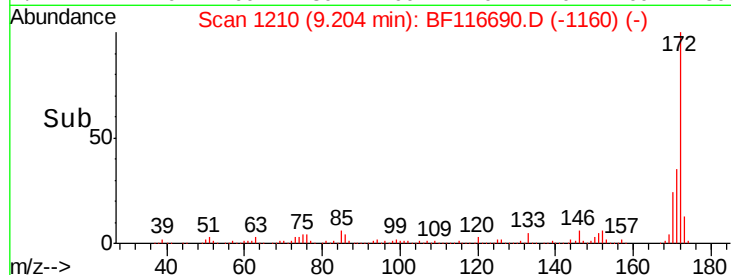
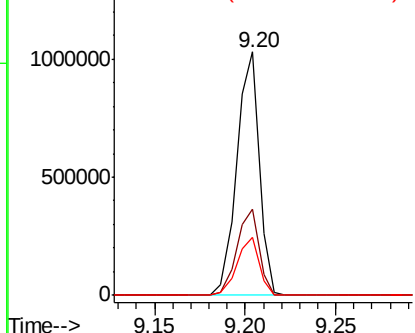
#45
 2-Fluorobiphenyl
 Concen: 70.387 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Instrument :
 BNA_F
 ClientSampled :
 T4-S-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.6
170	23.7	18.9	28.3

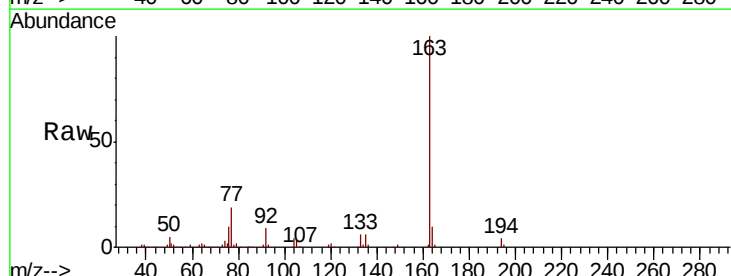


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

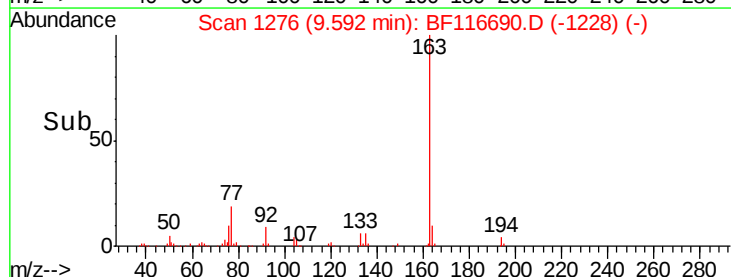
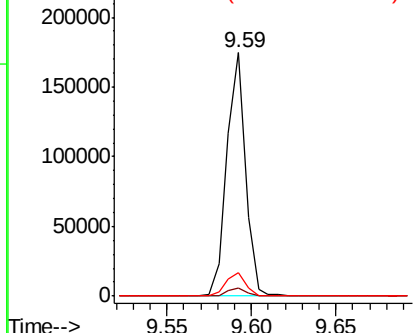


#50
 Dimethylphthalate
 Concen: 9.112 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.7	8.6	12.8



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

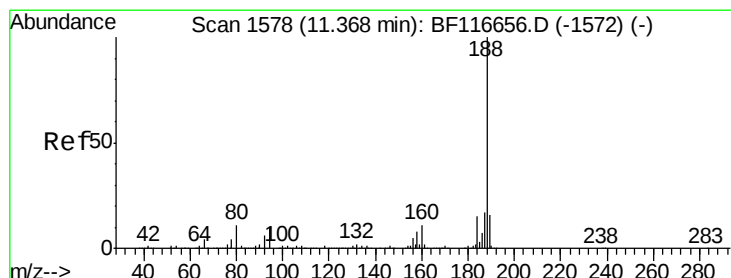
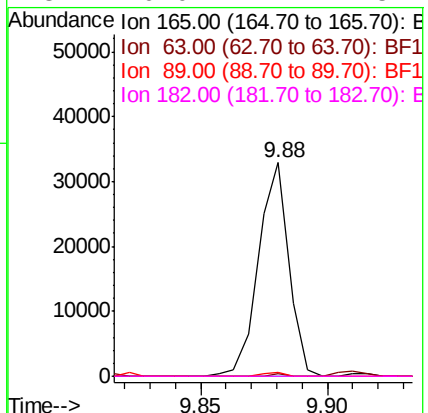
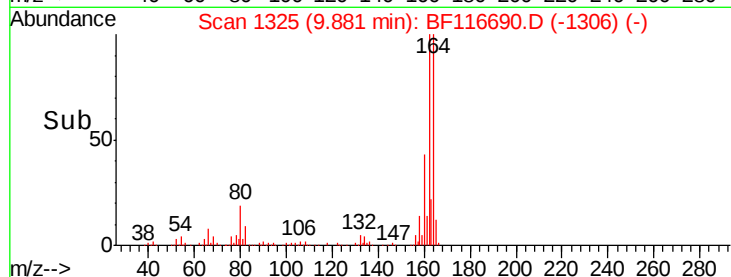
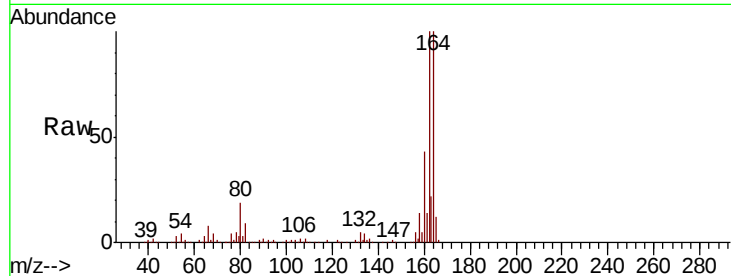




#57
 2,4-Dinitrotoluene
 Concen: 8.003 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

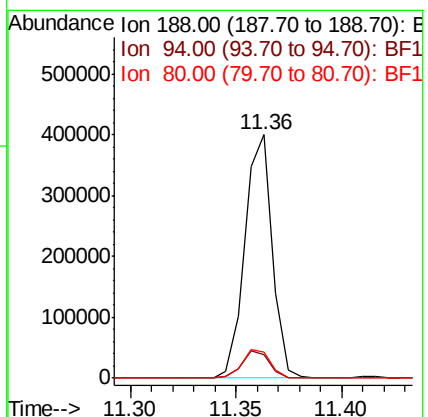
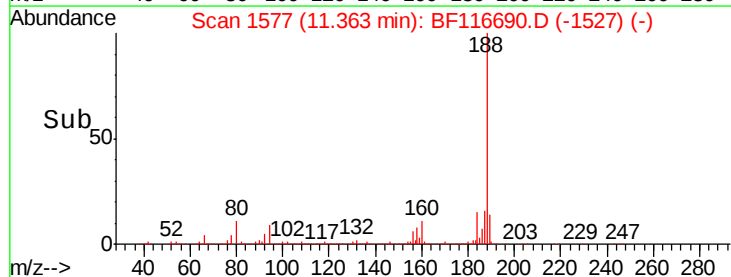
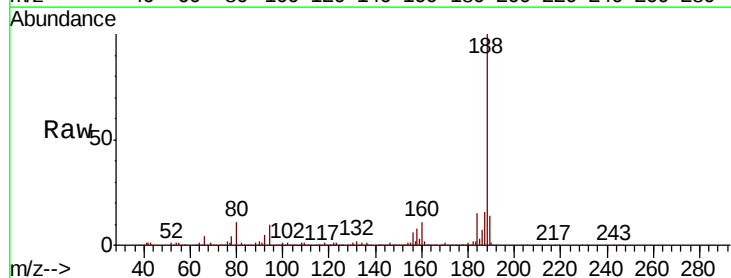
Instrument :
 BNA_F
 ClientSampleID :
 T4-S-C

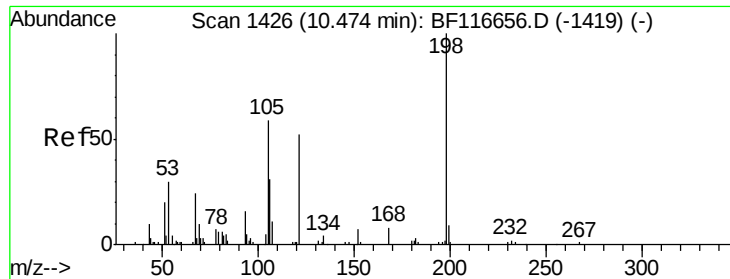
Tot Ion:	165	Resp:	27621
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Tgt Ion:	188	Resp:	359298
Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.3	10.9
80	10.9	8.4	12.6

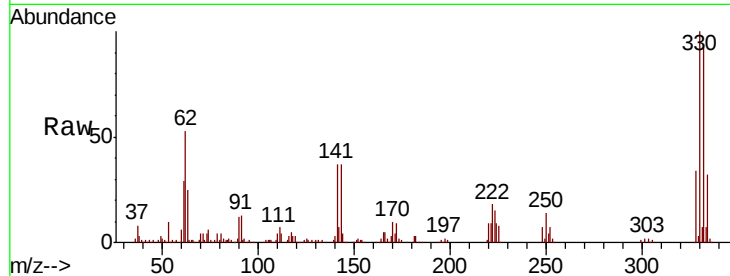




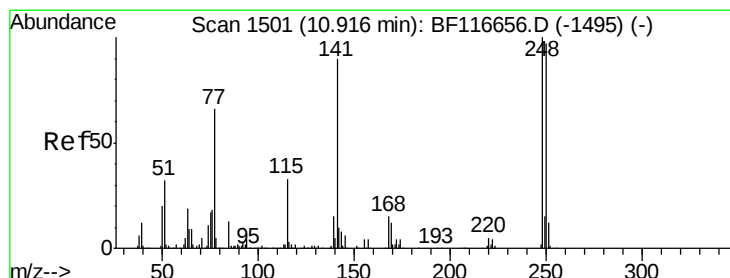
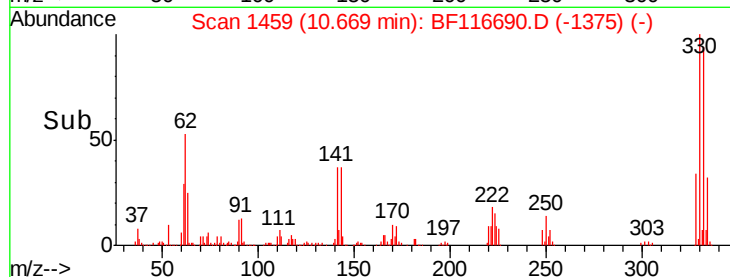
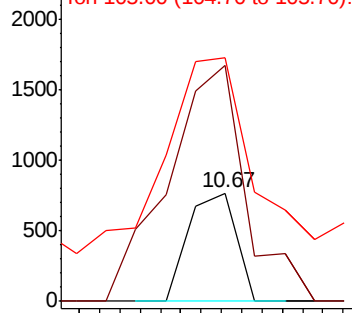
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.775 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.19 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-C

Tot Ion:198 Resp: 507
 Ion Ratio Lower Upper
 198 100
 51 218.6 18.4 58.4#
 105 225.5 22.9 62.9#

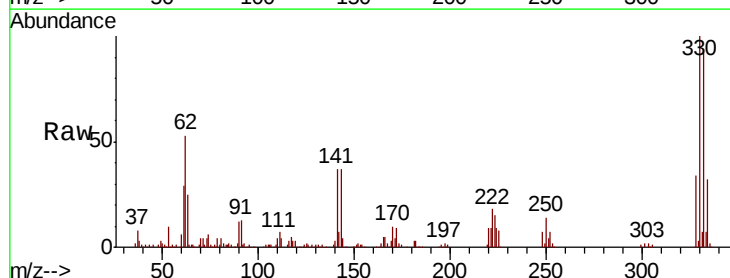


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

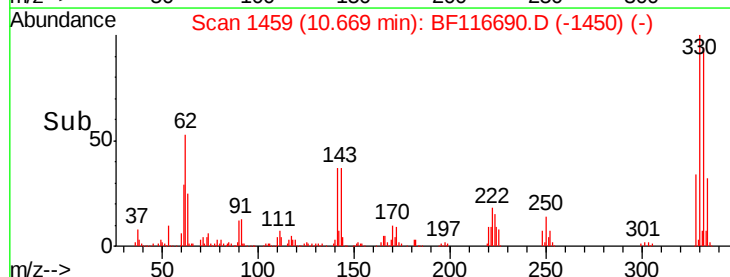
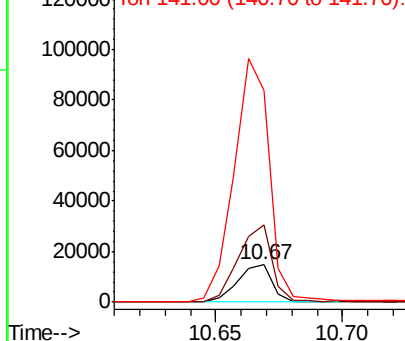


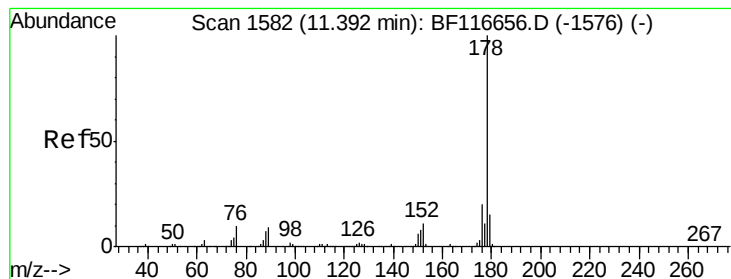
#67
 4-Bromophenyl-phenylether
 Concen: 3.872 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Tgt Ion:248 Resp: 14134
 Ion Ratio Lower Upper
 248 100
 250 208.3 77.8 116.8#
 141 571.8 75.9 113.9#



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: 14.520 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

ClientSampleId :

T4-S-C

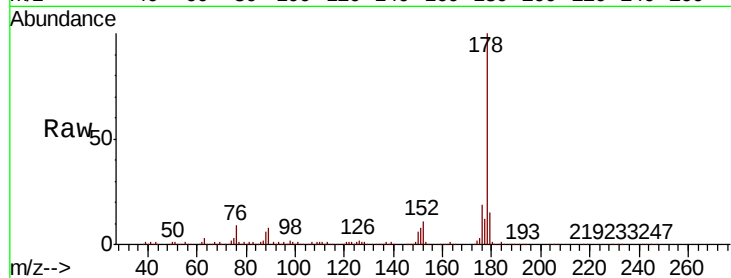
Tot Ion:178 Resp: 290410

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

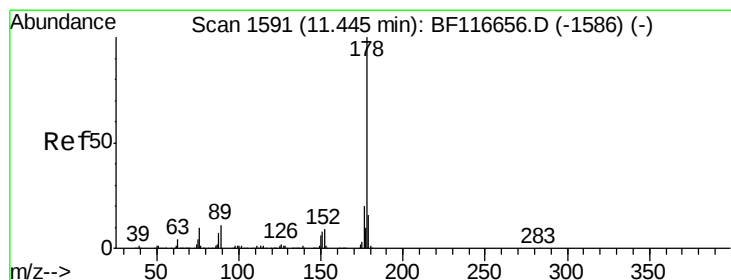
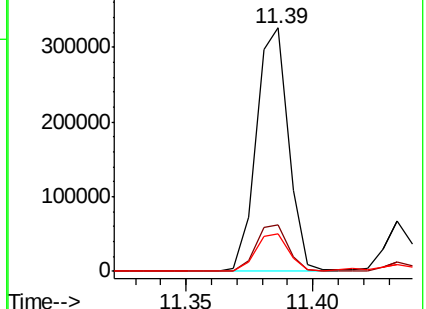
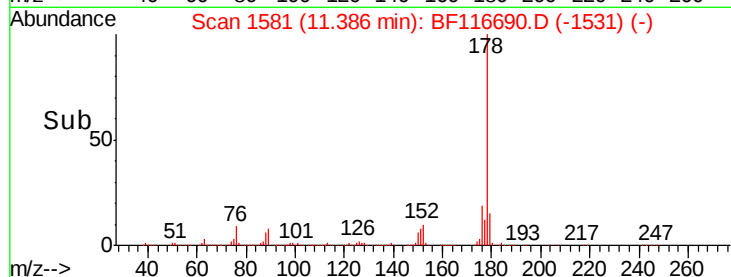
179 15.2 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.475 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

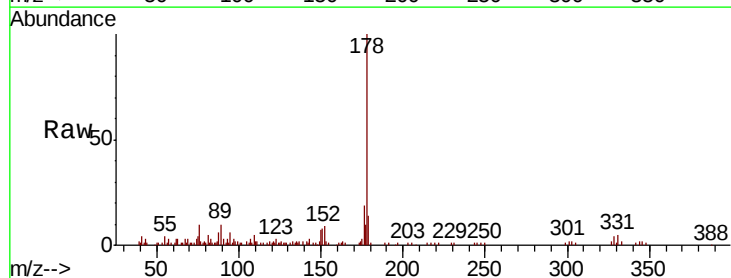
Tgt Ion:178 Resp: 49838

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

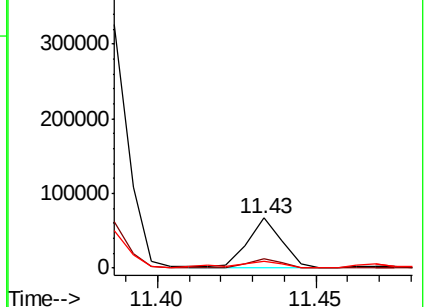
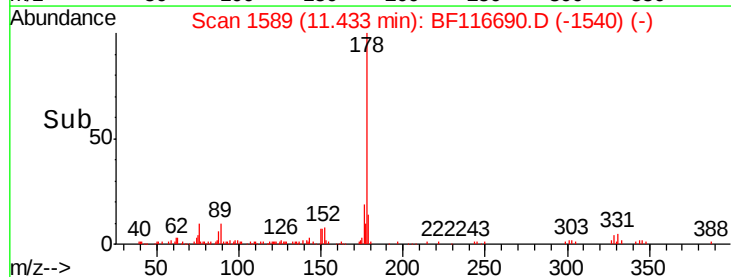
179 14.0 12.5 18.7

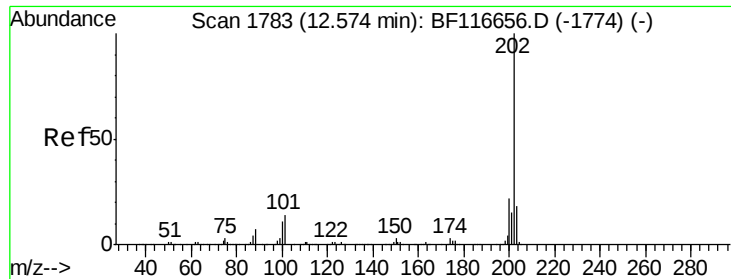


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.354 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

ClientSampleId :

T4-S-C

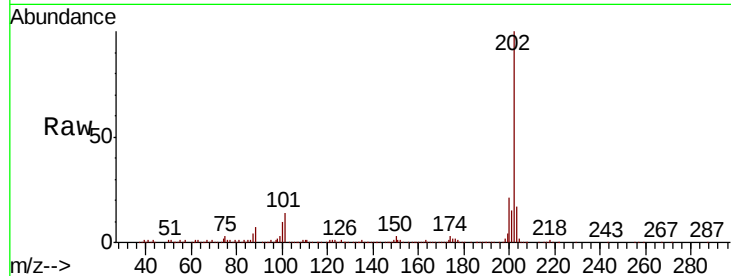
Tot Ion:202 Resp: 419729

Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.3

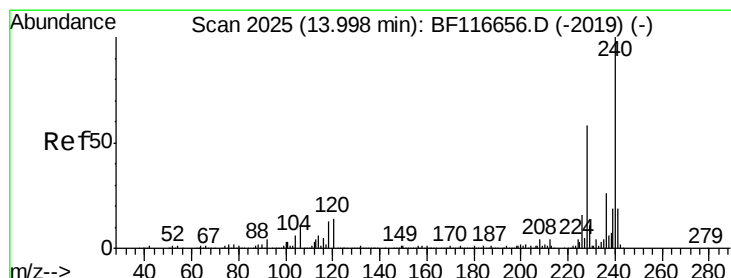
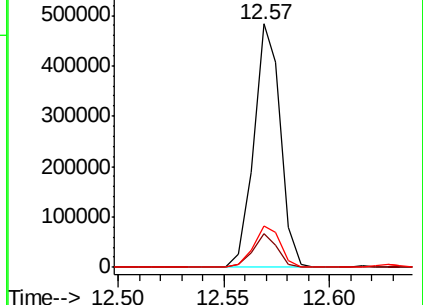
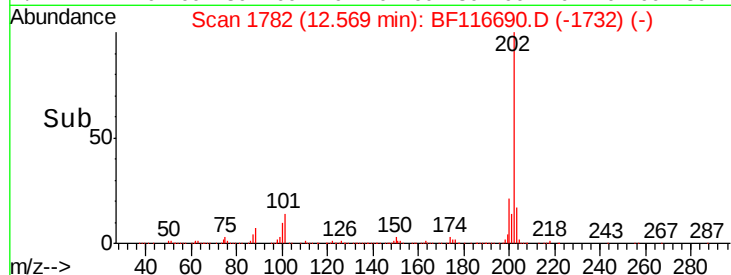
203 17.2 0.0 37.6



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

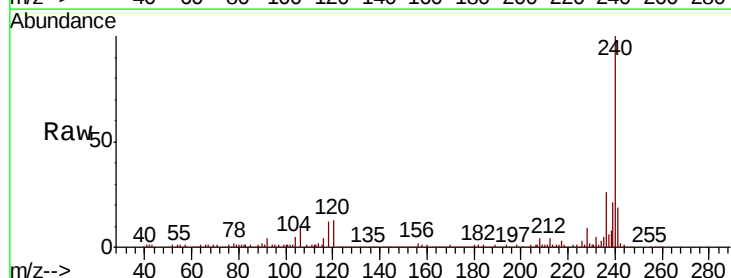
Tgt Ion:240 Resp: 290453

Ion Ratio Lower Upper

240 100

120 13.0 9.1 13.7

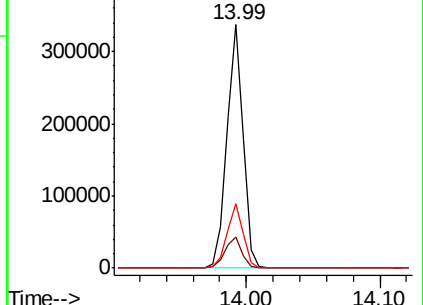
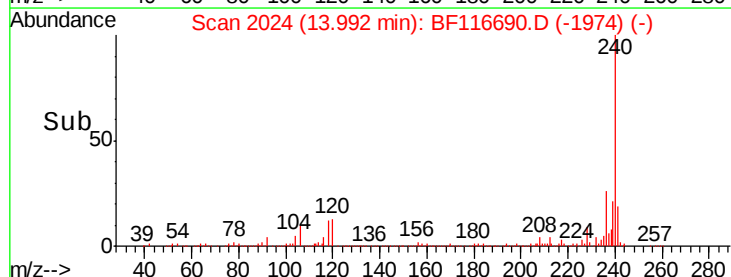
236 26.4 21.1 31.7

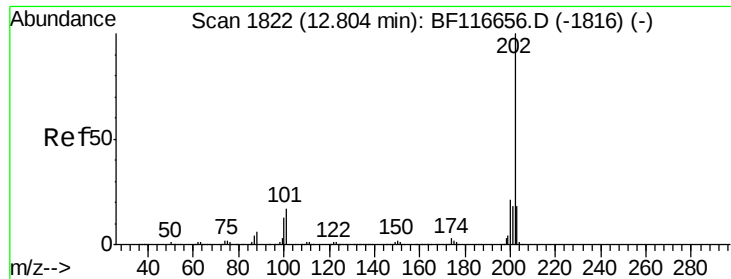


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

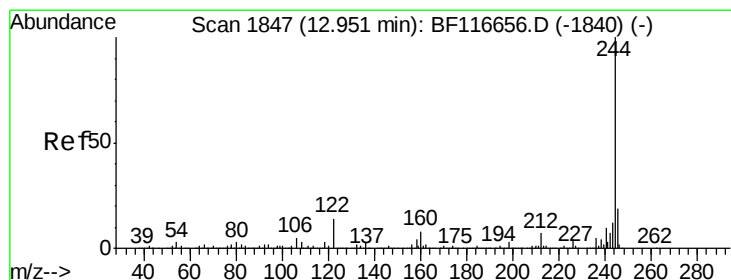
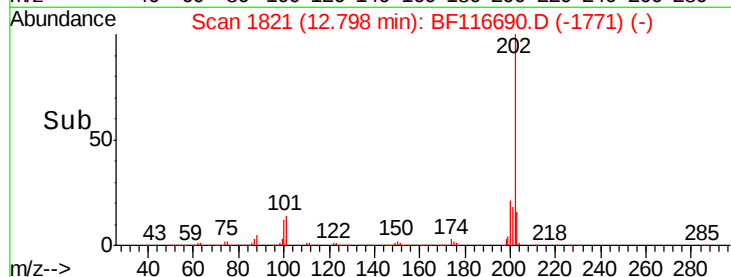
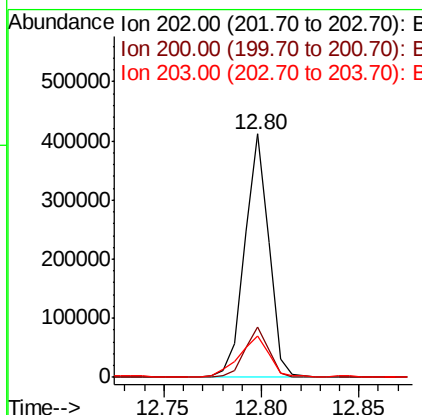
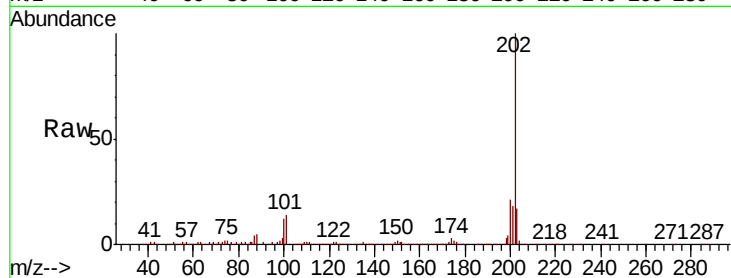




#78
Pvrene
Concen: 13.576 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

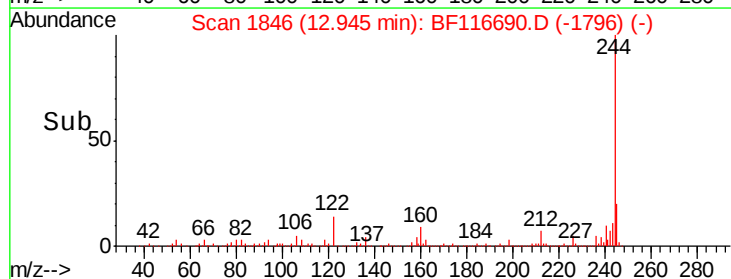
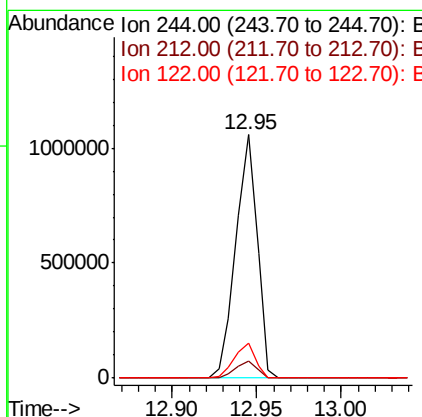
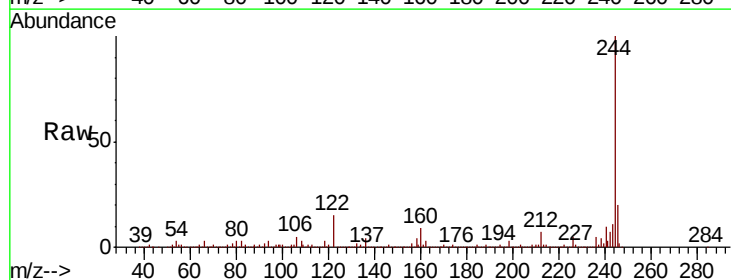
Instrument :
BNA_F
ClientSampled :
T4-S-C

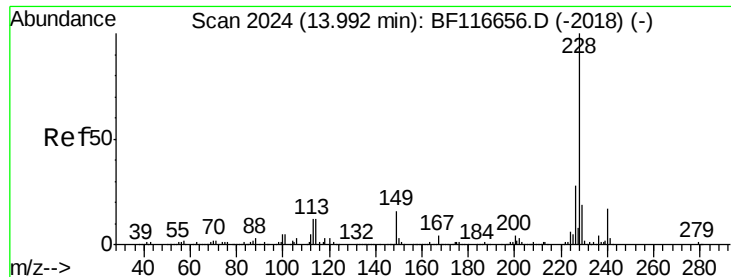
Tot Ion:202 Resp: 350521
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 16.9 13.7 20.5



#79
Terphenyl-d14
Concen: 59.496 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion:244 Resp: 934131
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 14.6 10.2 15.4

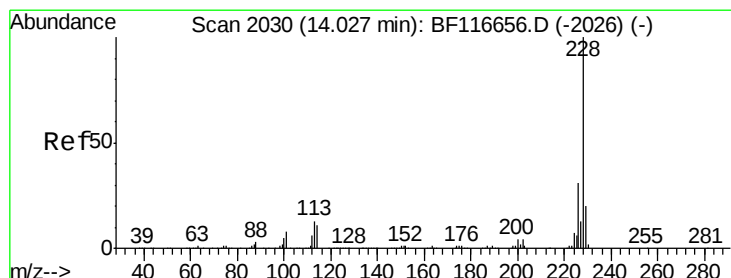
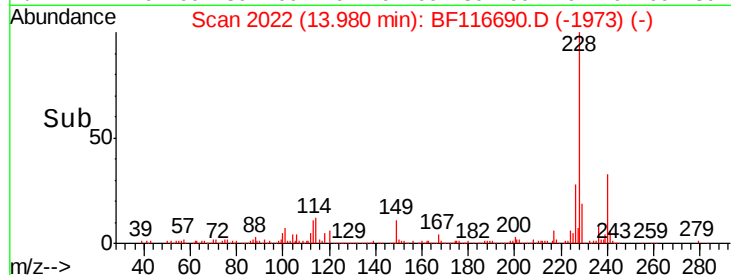
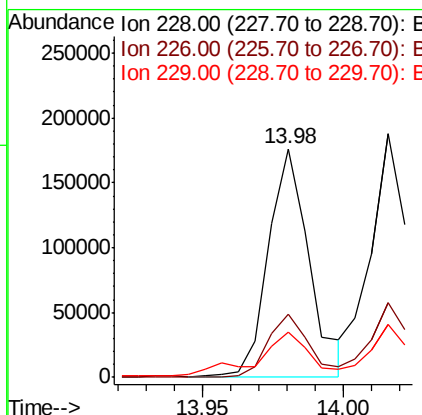
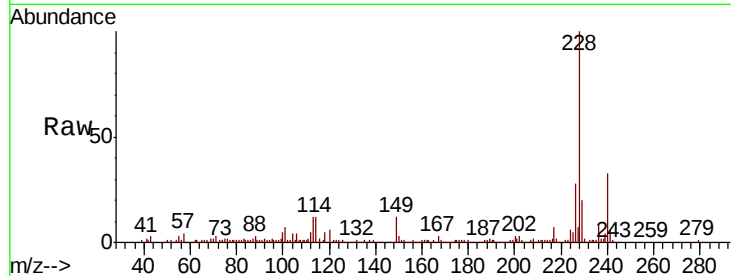




#81
Benzo(a)anthracene
Concen: 9.526 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

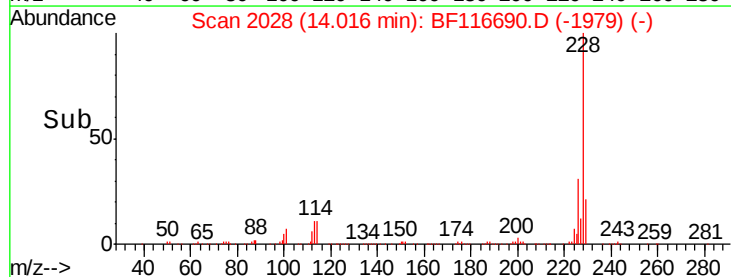
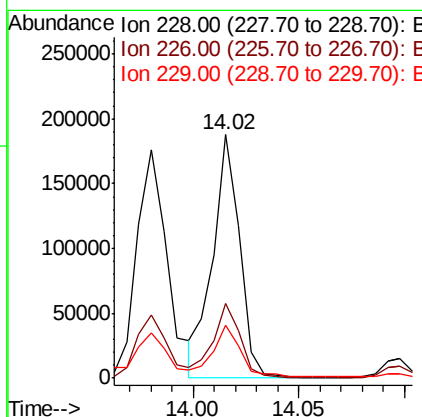
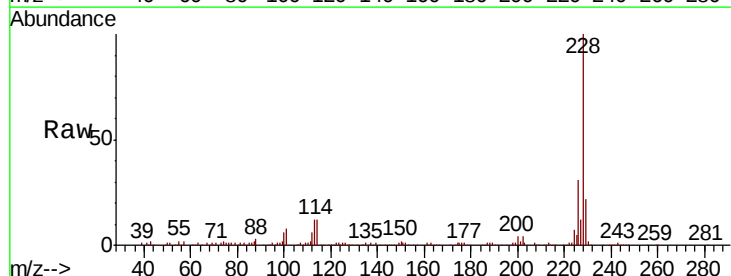
Instrument :
BNA_F
ClientSampleId :
T4-S-C

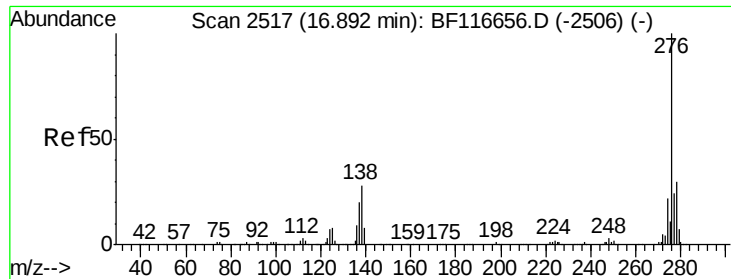
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.0	33.0
229	19.7	16.4	24.6



#83
Chrysene
Concen: 8.728 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	21.9	15.4	23.0

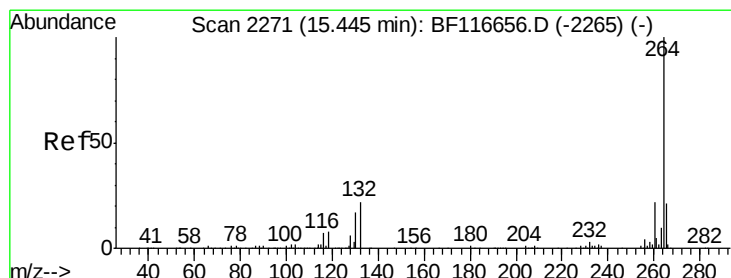
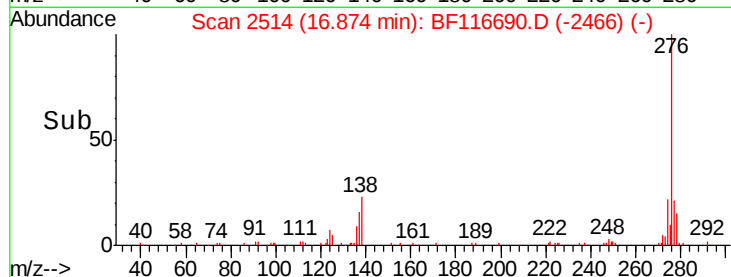
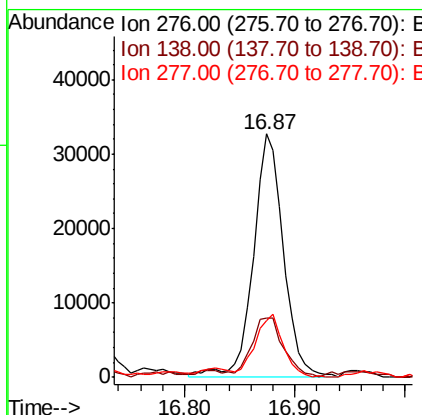
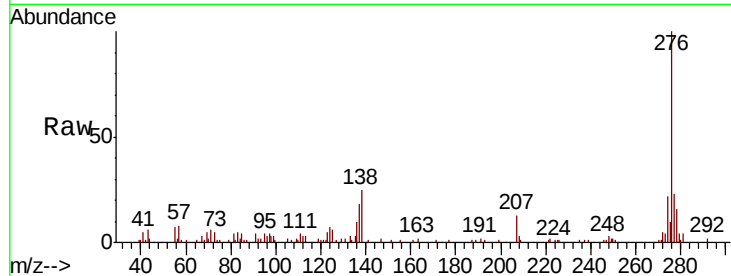




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.122 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.02 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

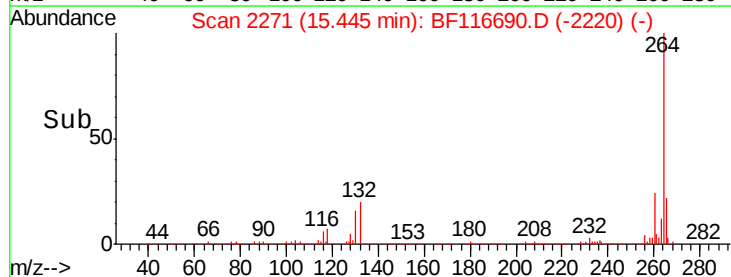
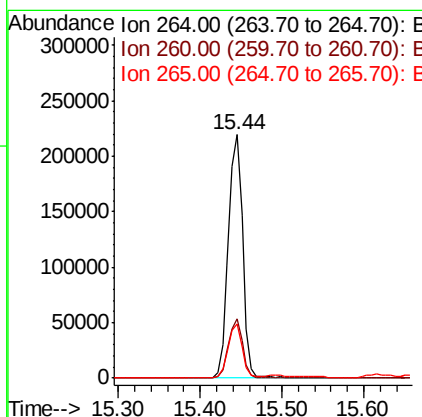
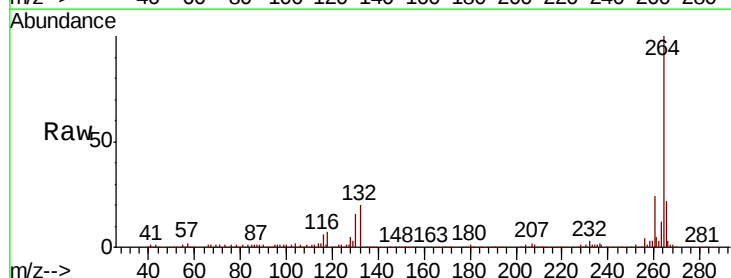
Instrument :
BNA_F
ClientSampleId :
T4-S-C

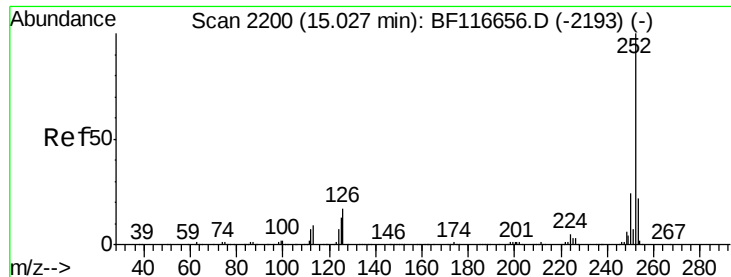
Tot Ion:276 Resp: 62701
Ion Ratio Lower Upper
276 100
138 26.0 19.4 29.2
277 24.2 20.5 30.7



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion:264 Resp: 268392
Ion Ratio Lower Upper
264 100
260 24.2 18.3 27.5
265 22.3 16.5 24.7

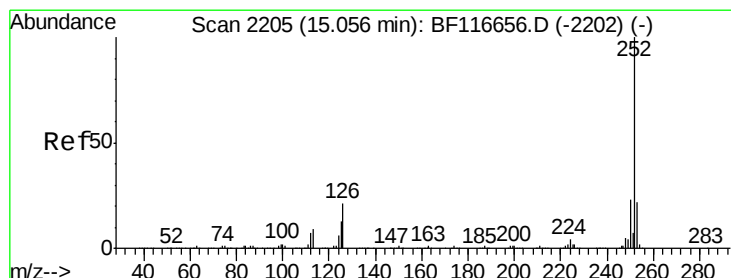
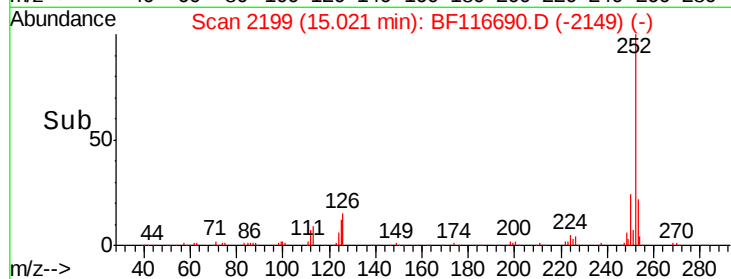
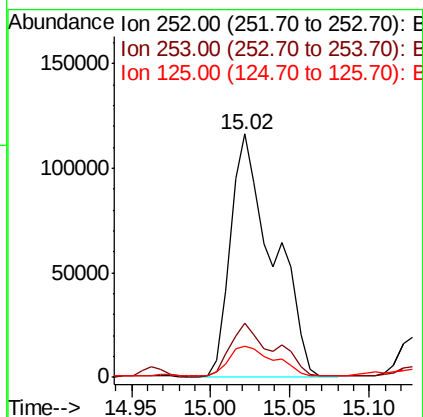
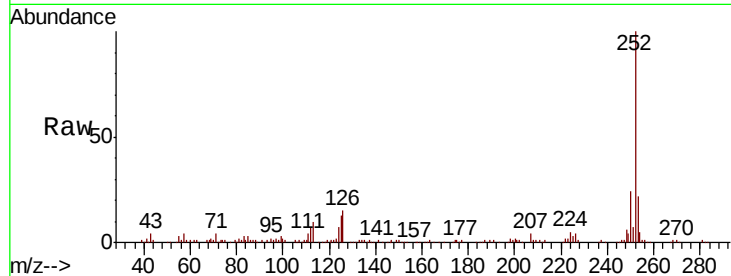




#88
Benzo(b)fluoranthene
Concen: 13.312 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

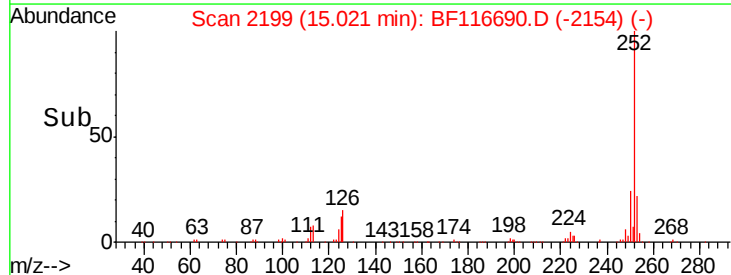
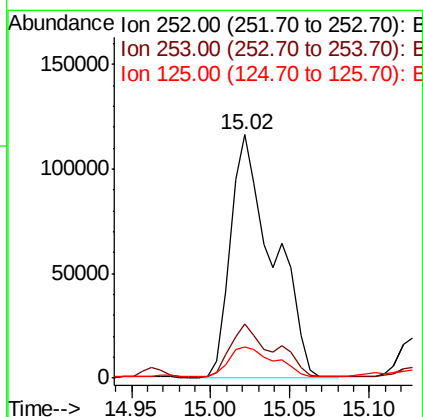
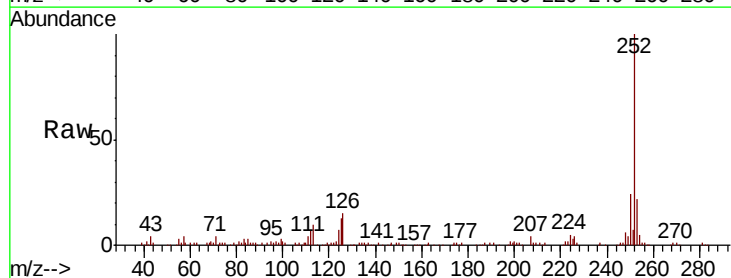
Instrument :
BNA_F
ClientSampleId :
T4-S-C

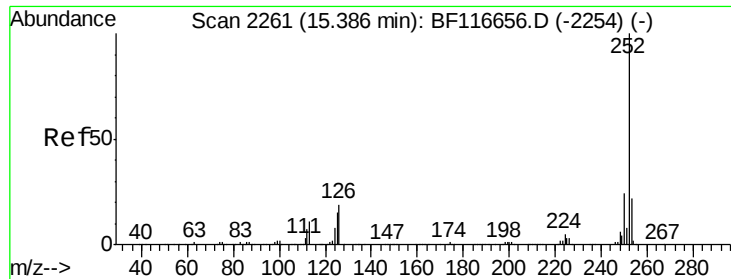
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	12.6	8.2	12.2#



#89
Benzo(k)fluoranthene
Concen: 14.600 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	12.6	8.6	13.0

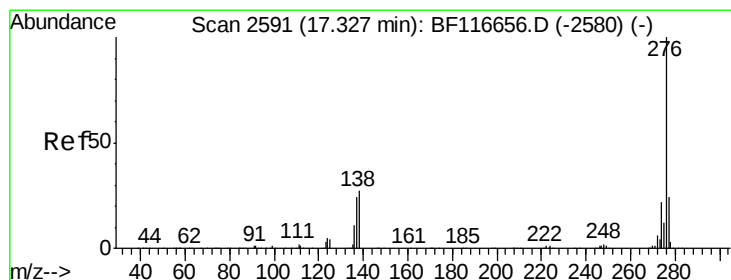
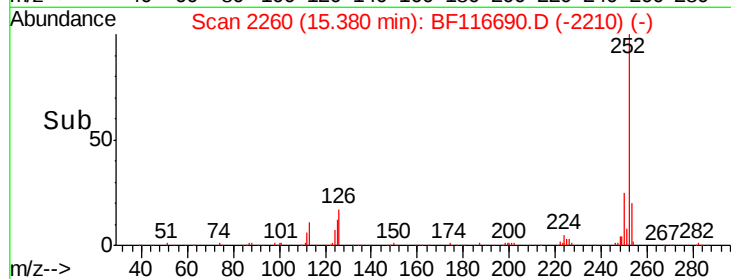
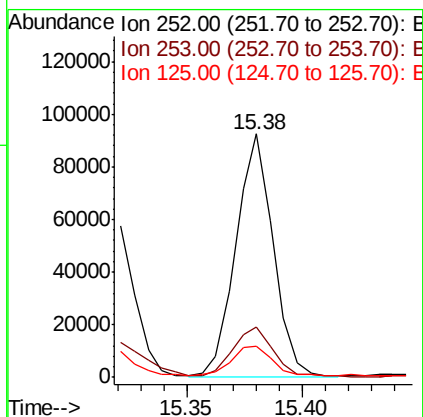
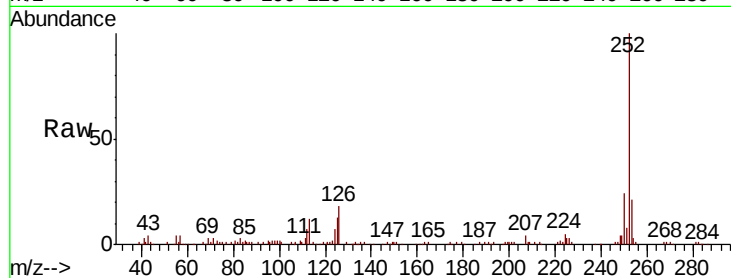




#90
Benzo(a)pyrene
Concen: 7.400 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampleId :
T4-S-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.1	27.1
125	12.6	9.8	14.8



#92
Benzo(g,h,i)perylene
Concen: 4.356 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.02 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.5	27.7
138	26.0	16.2	24.2

