

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116680.D
 Acq On : 31 Aug 2019 5:07
 Operator : HP/JU
 Sample : K4517-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

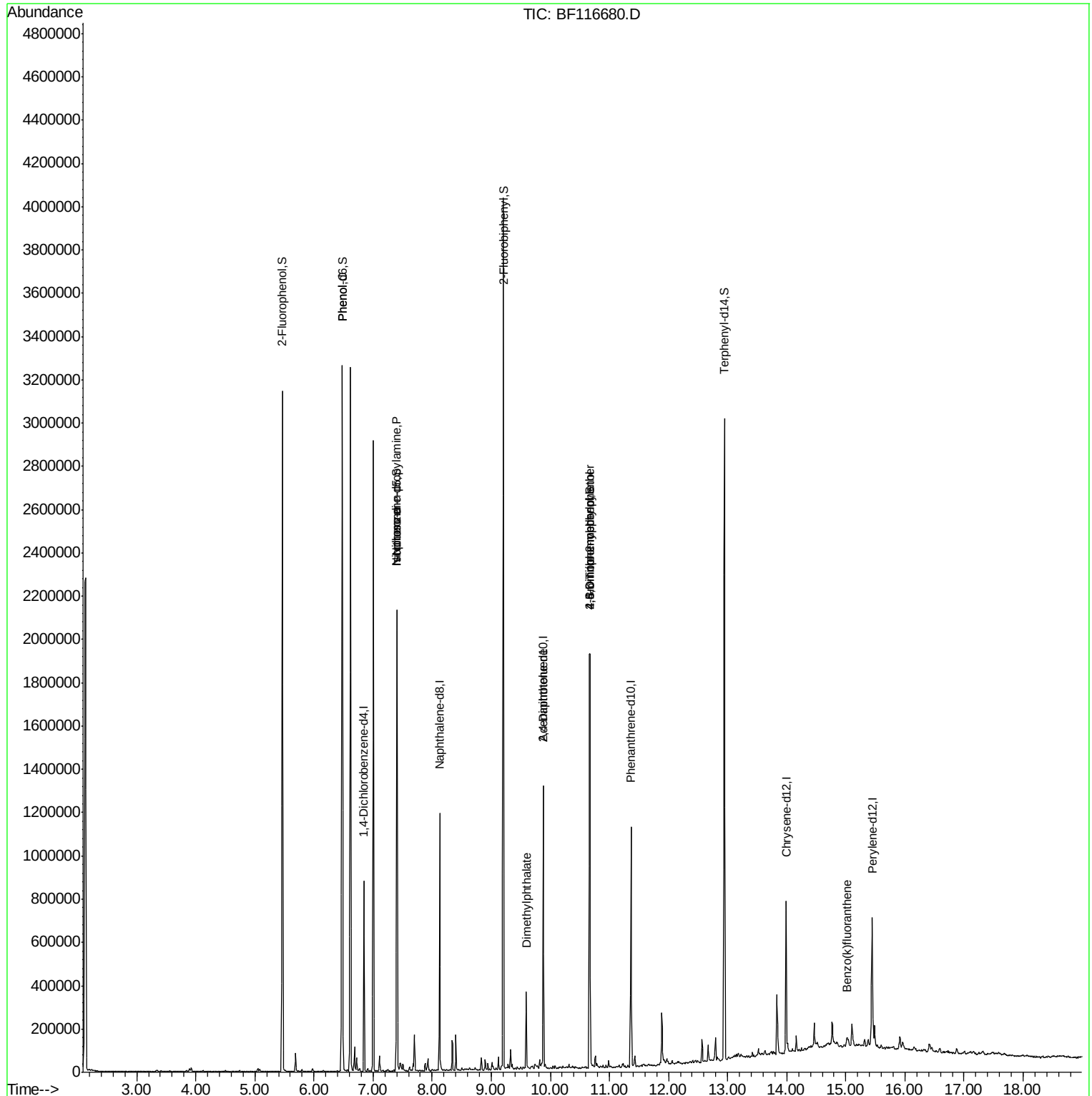
Quant Time: Aug 31 06:38:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

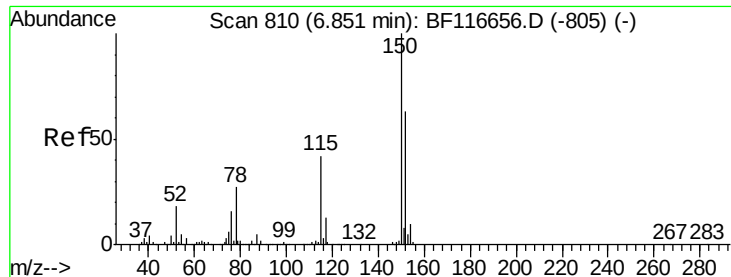
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	122006	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	473040	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	238976	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	372114	20.00	ng	0.00
76) Chrysene-d12	13.99	240	218045	20.00	ng	0.00
87) Perylene-d12	15.44	264	251793	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	936718	124.38	ng	0.00
7) Phenol-d6	6.48	99	1269747	128.40	ng	0.00
23) Nitrobenzene-d5	7.40	82	833042	100.53	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	214590	134.32	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1128521	79.66	ng	0.00
79) Terphenyl-d14	12.95	244	898681	76.25	ng	0.00
Target Compounds						
10) Phenol	6.49	94	43378	3.961	ng	# 71
19) n-Nitroso-di-n-propylamine	7.40	70	112873	17.335	ng	# 72
25) Isophorone	7.40	82	833172	49.621	ng	# 66
50) Dimethylphthalate	9.59	163	122507	7.425	ng	# 97
57) 2,4-Dinitrotoluene	9.88	165	30012	7.797	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	532	7.779	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	13771	3.643	ng	# 1
89) Benzo(k)fluoranthene	15.02	252	28029	2.019	ng	# 82

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

```
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Sample    : K4517-05
Misc      :
ALS Vial  : 19    Sample Multiplier: 1
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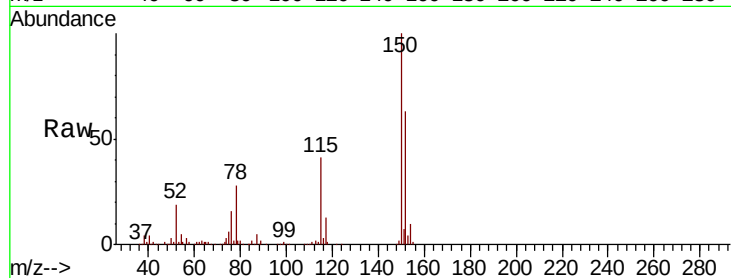


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.4	186.6
115	65.6	49.9	74.9

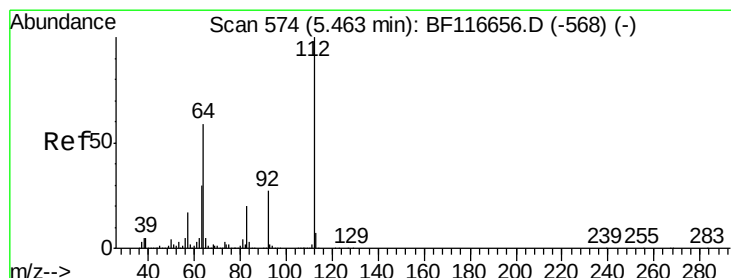
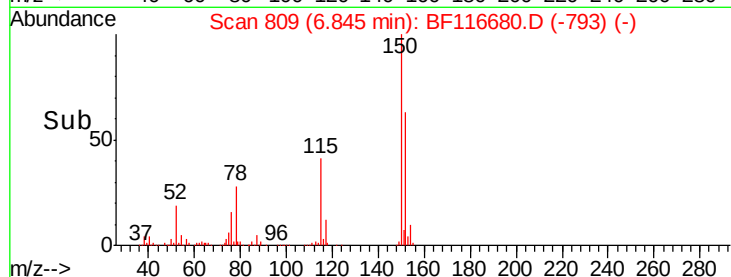
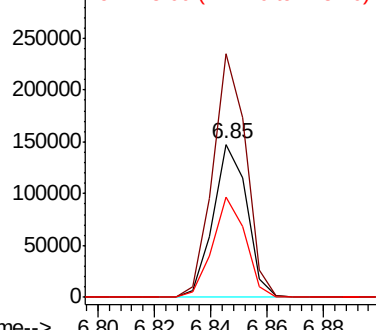


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

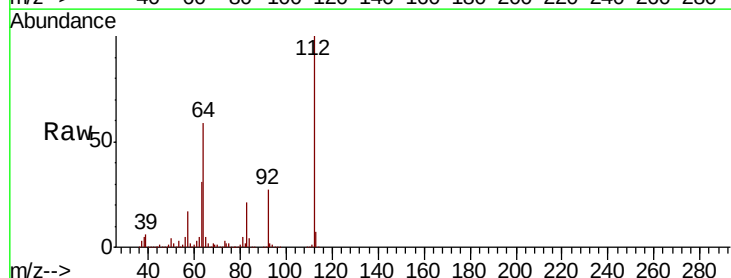
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.382 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.1	70.7
63	31.4	24.9	37.3

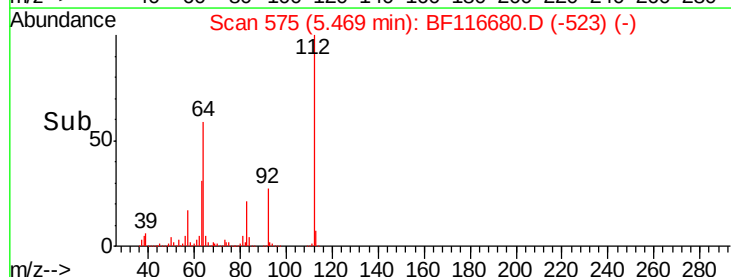
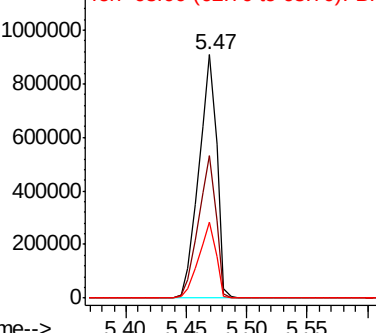


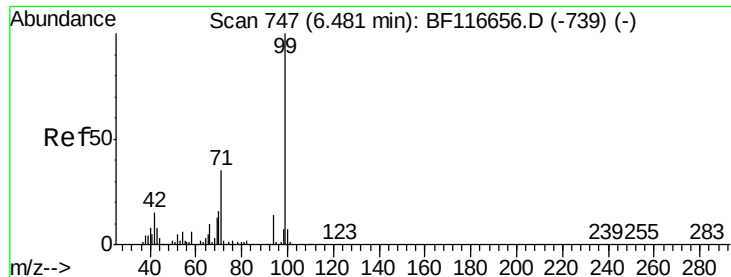
Abundance

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: 128.400 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF116680.D

Acq: 31 Aug 2019 5:07

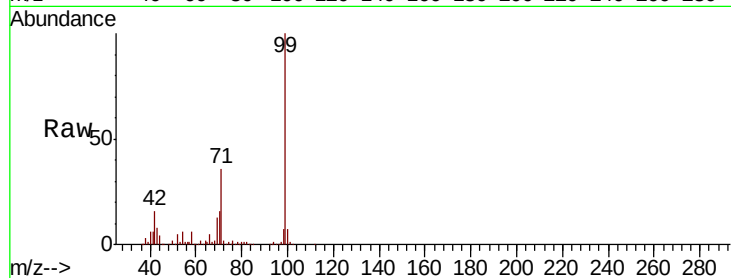
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1269747

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.7	20.5
71	36.5	30.8	46.2

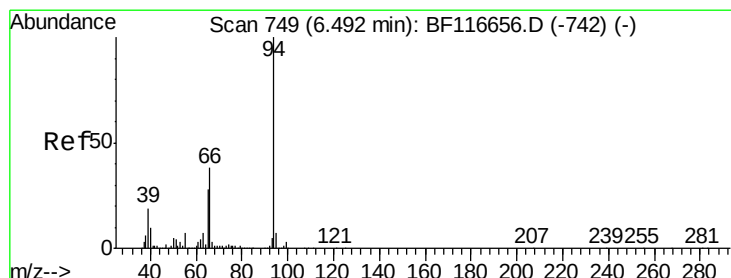
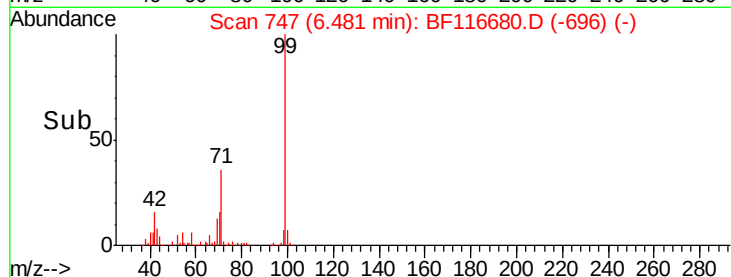
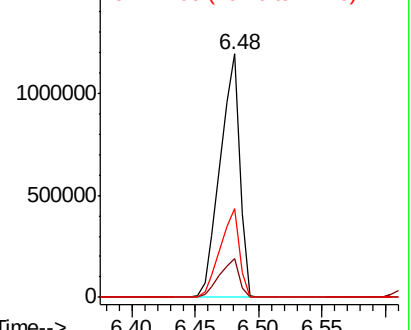


Abundance

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: 3.961 ng

RT: 6.49 min Scan# 748

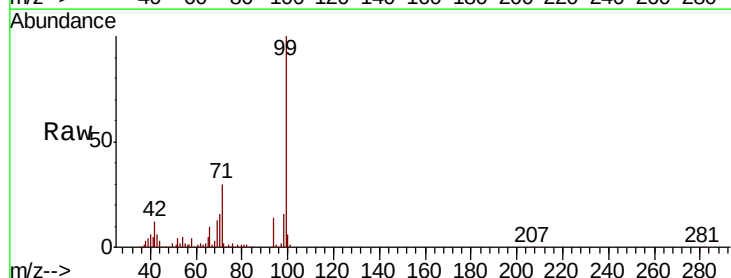
Delta R.T. -0.01 min

Lab File: BF116680.D

Acq: 31 Aug 2019 5:07

Tgt Ion: 94 Resp: 43378

Ion	Ratio	Lower	Upper
94	100		
65	35.8	10.8	50.8
66	68.7	21.1	61.1

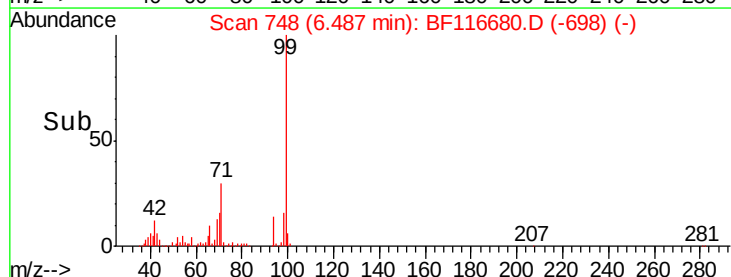
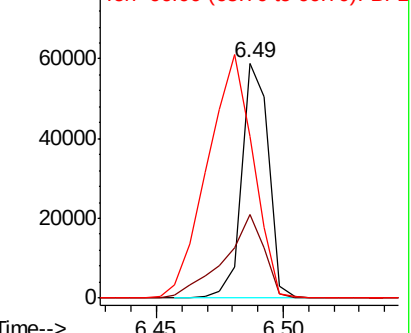


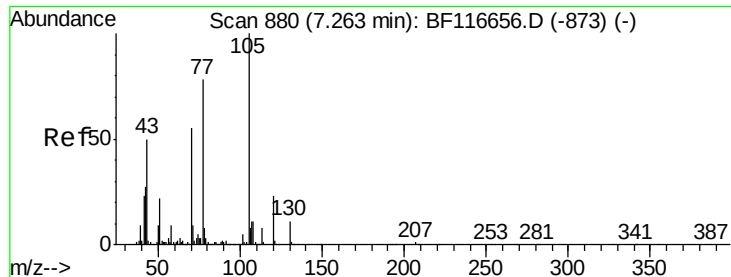
Abundance

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

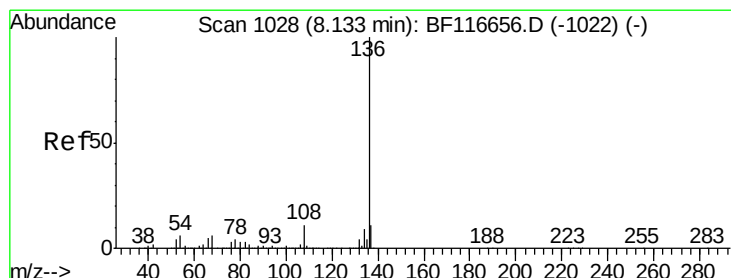
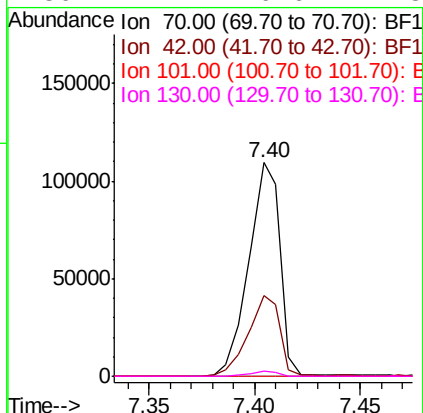
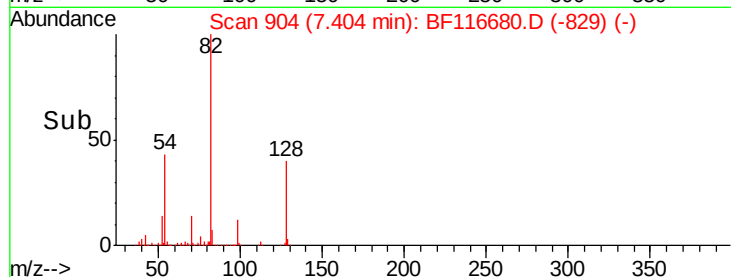
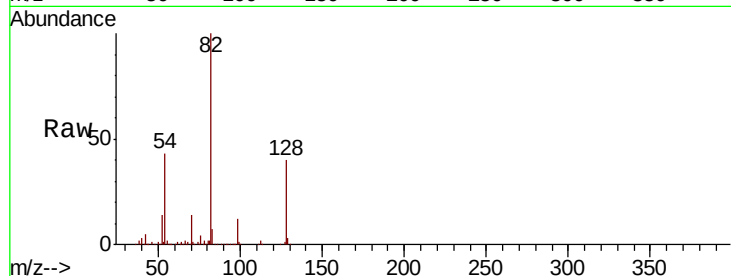




#19
n-Nitroso-di-n-propylamine
Concen: 17.335 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

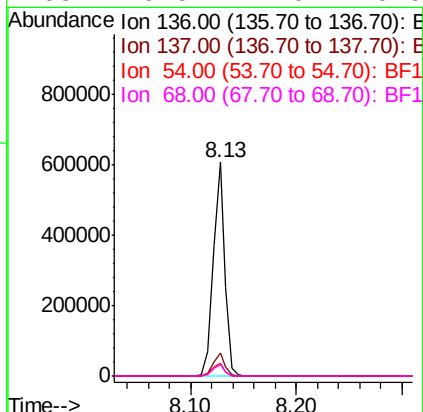
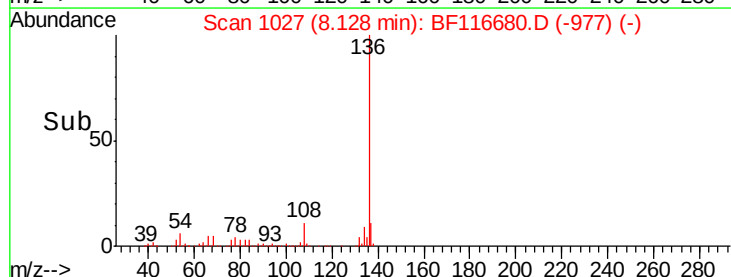
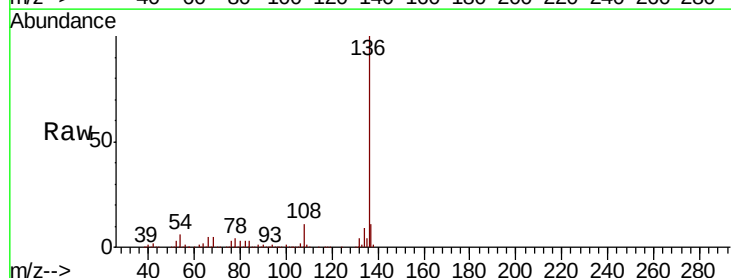
Instrument :
BNA_F
ClientSampleId :

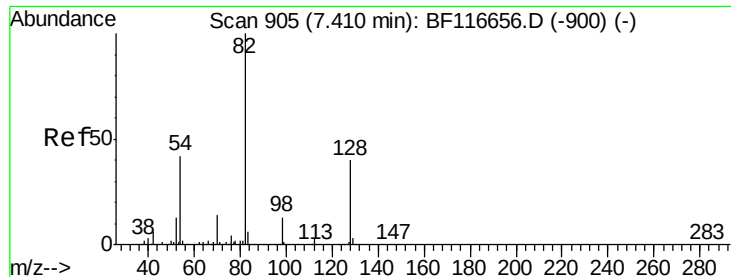
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.7	43.5	65.3#
101	0.0	7.8	11.6#
130	2.2	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Tgt 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: 100.533 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116680.D

Acq: 31 Aug 2019 5:07

Instrument :

BNA_F

ClientSampleId :

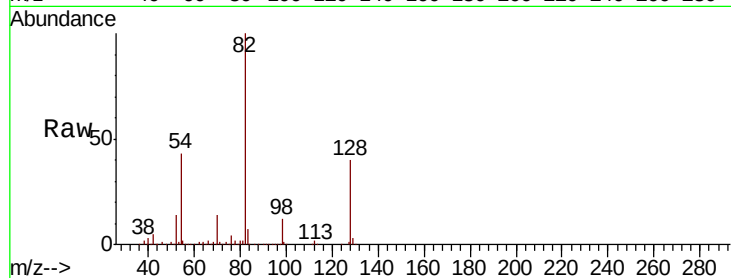
Tot Ion: 82 Resp: 833042

Ion Ratio Lower Upper

82 100

128 40.4 32.8 49.2

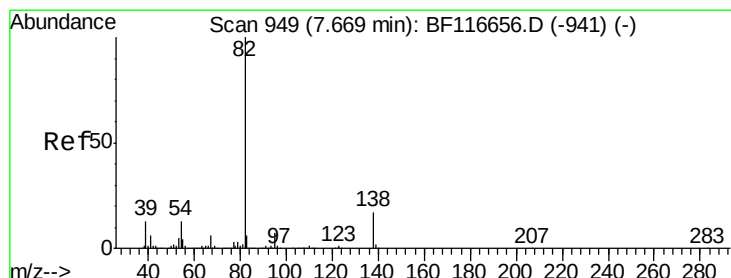
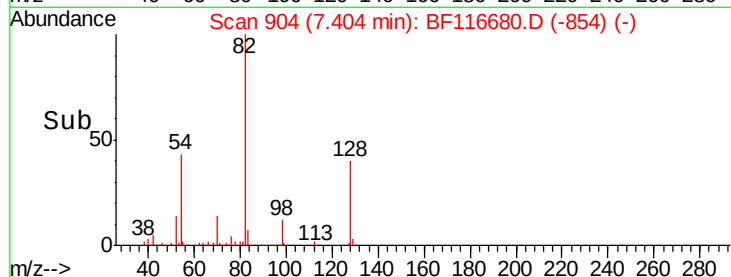
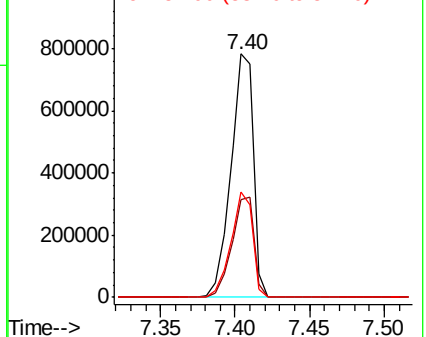
54 43.5 36.9 55.3



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: 49.621 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116680.D

Acq: 31 Aug 2019 5:07

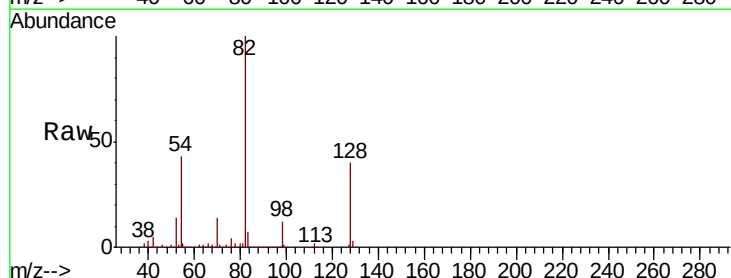
Tgt Ion: 82 Resp: 833172

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

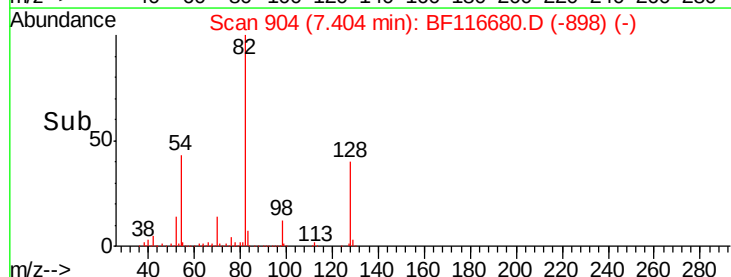
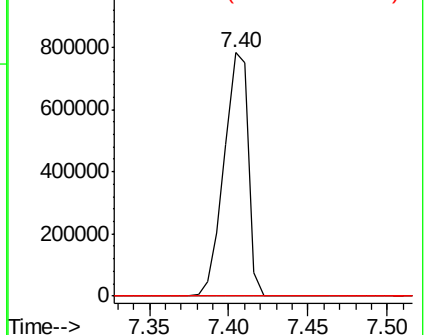
138 0.0 13.5 20.3#

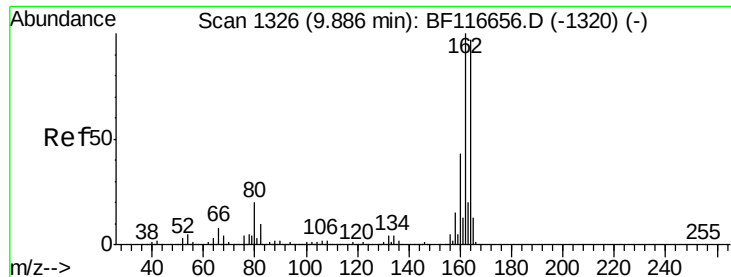


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

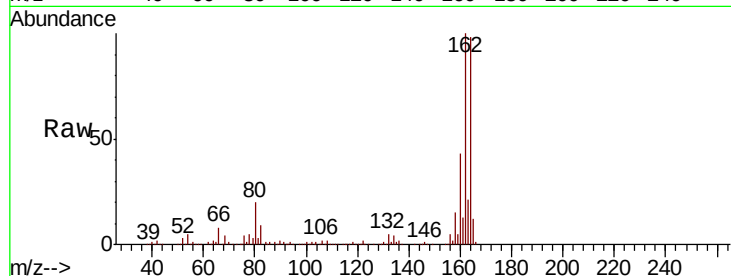




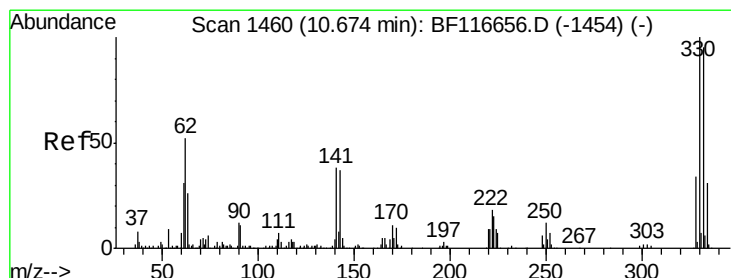
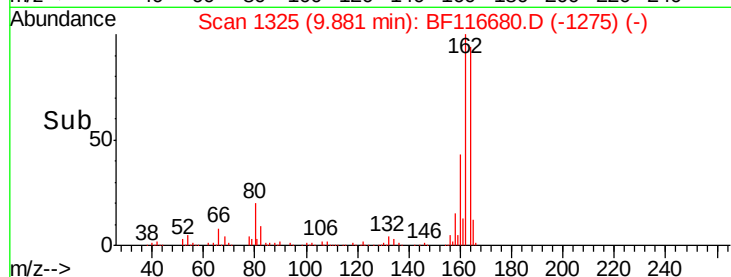
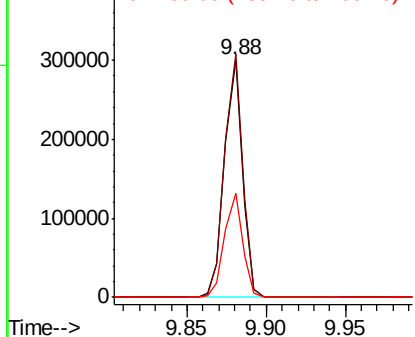
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 238976
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 43.5 35.4 53.2

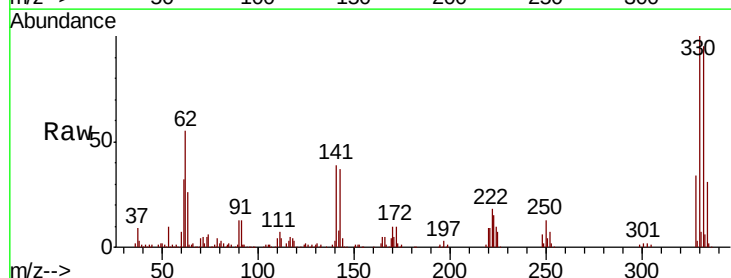


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

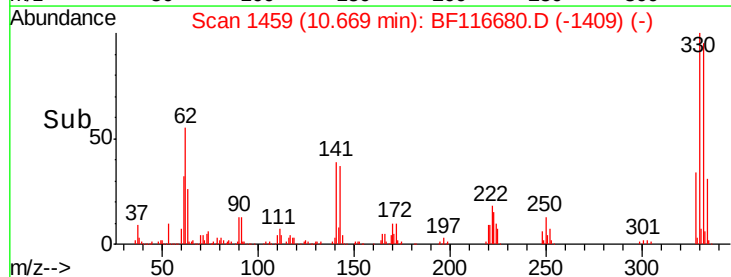
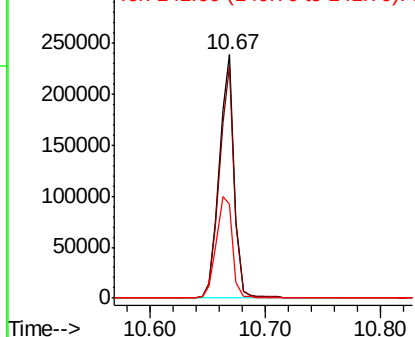


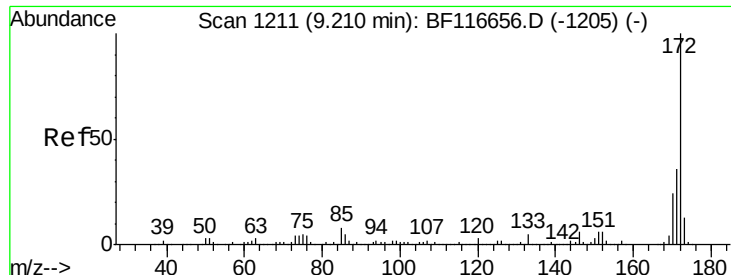
#42
2,4,6-Tribromophenol
Concen: 134.320 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Tgt Ion:330 Resp: 214590
Ion Ratio Lower Upper
330 100
332 95.4 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

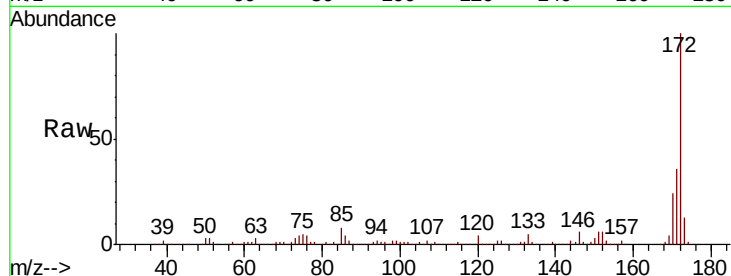




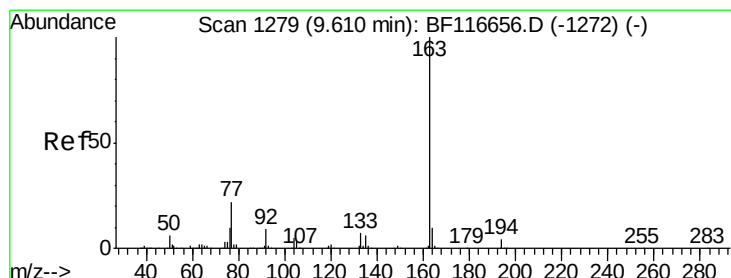
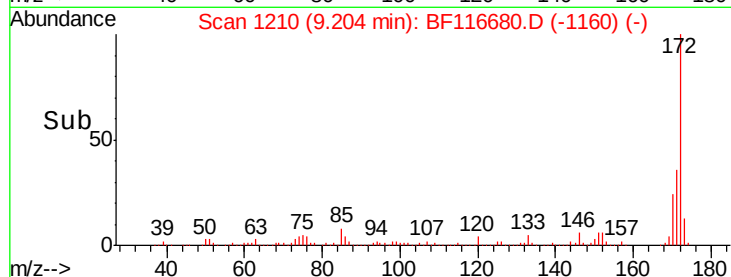
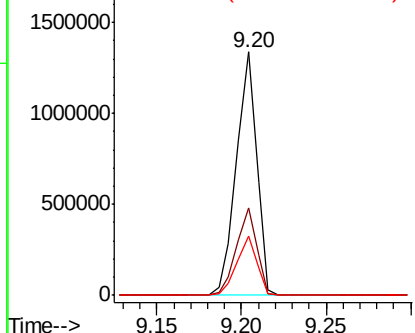
#45
2-Fluorobiphenyl
Concen: 79.661 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1128521
Ion Ratio Lower Upper
172 100
171 35.9 27.8 41.6
170 24.2 18.9 28.3

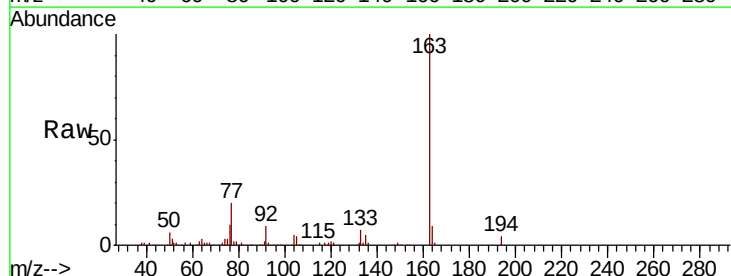


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

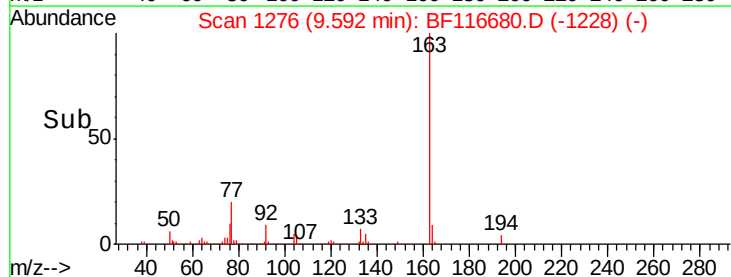
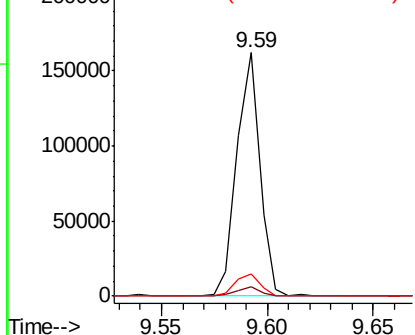


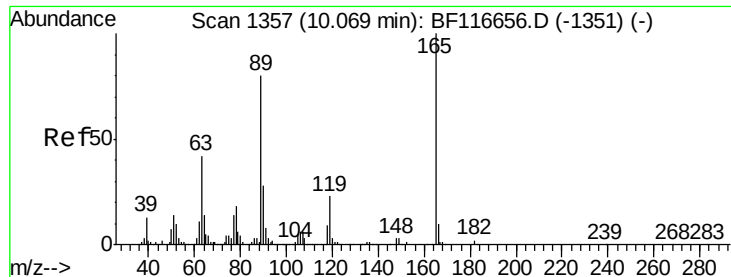
#50
Dimethylphthalate
Concen: 7.425 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Tgt Ion:163 Resp: 122507
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.3 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

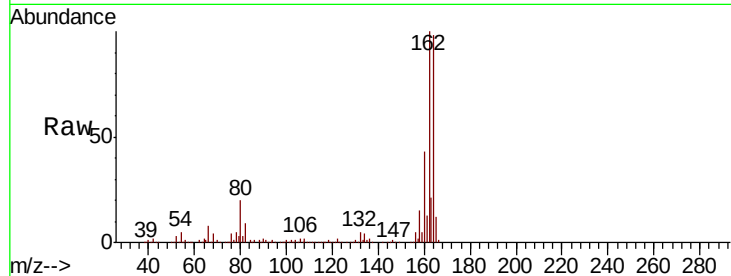




#57
 2,4-Dinitrotoluene
 Concen: 7.797 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116680.D
 Acq: 31 Aug 2019 5:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	62.6	94.0#
182	0.0	2.1	3.1#



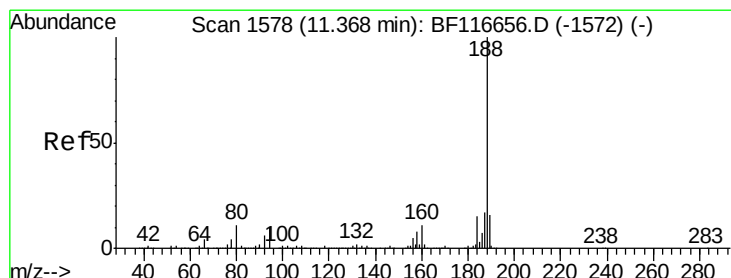
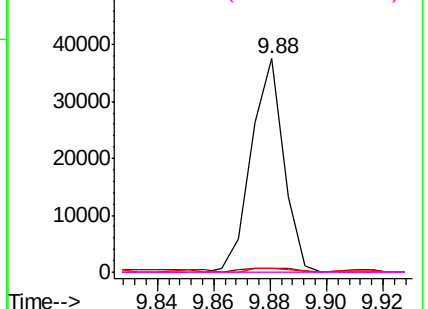
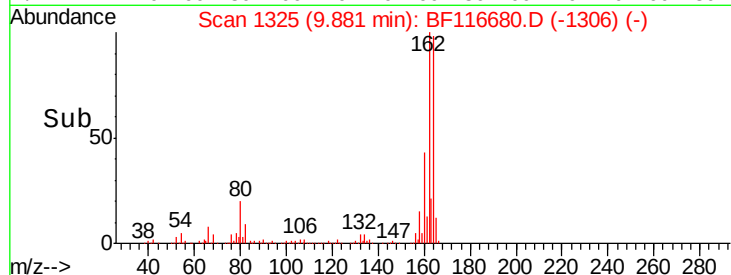
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

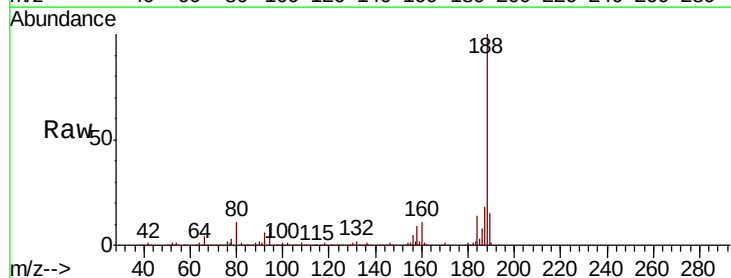
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116680.D
 Acq: 31 Aug 2019 5:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.8	8.4	12.6

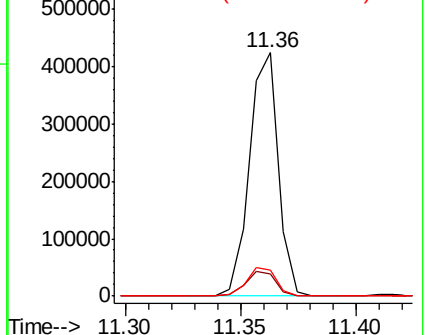
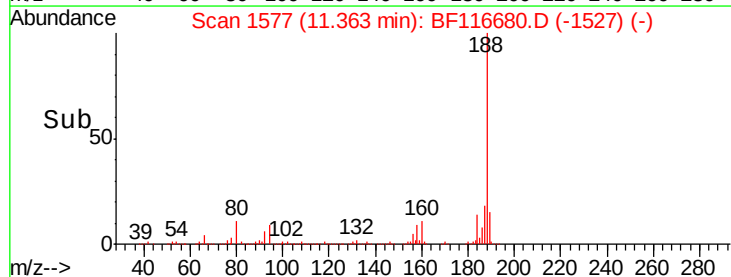


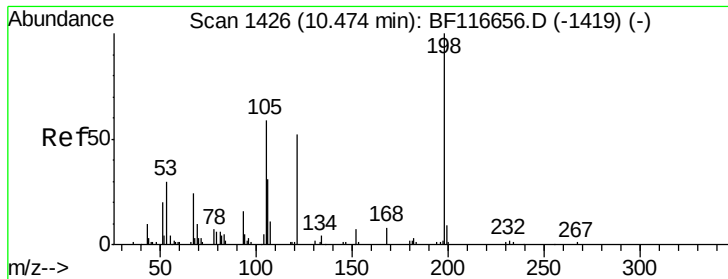
Abundance

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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.779 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF116680.D

Acq: 31 Aug 2019 5:07

Instrument :

BNA_F

ClientSampleId :

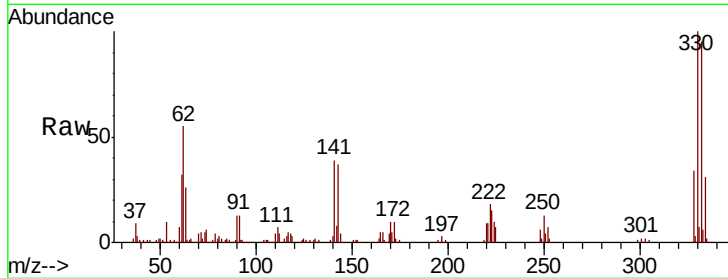
Tot Ion:198 Resp: 532

Ion Ratio Lower Upper

198 100

51 222.0 18.4 58.4#

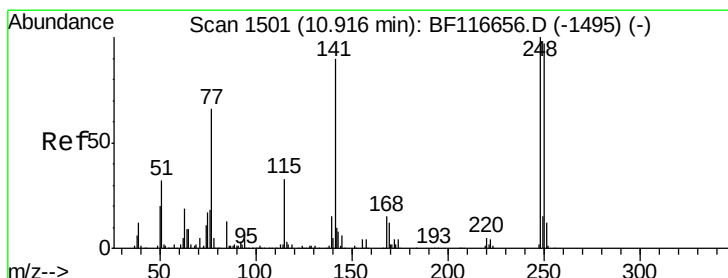
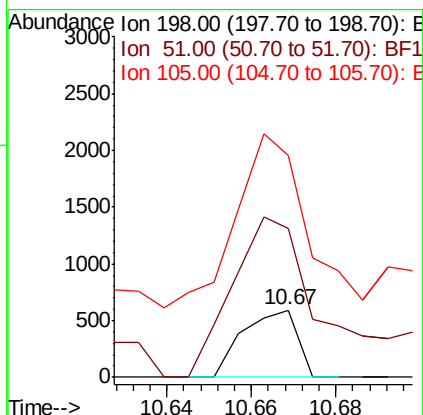
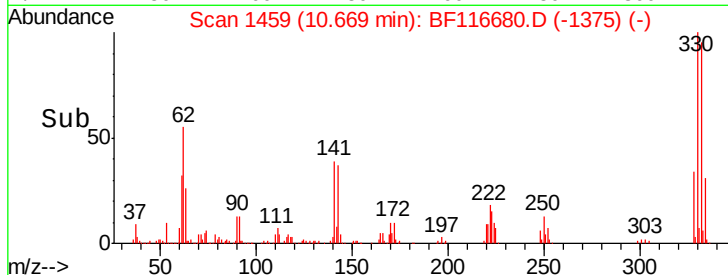
105 331.1 22.9 62.9#



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: 3.643 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF116680.D

Acq: 31 Aug 2019 5:07

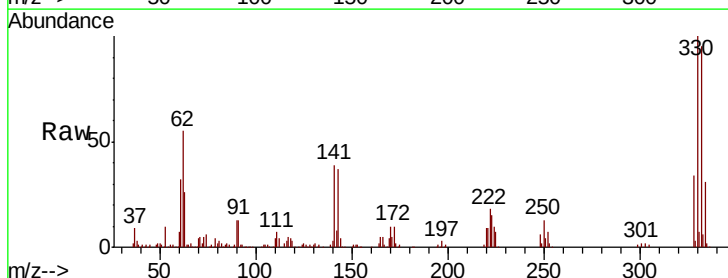
Tgt Ion:248 Resp: 13771

Ion Ratio Lower Upper

248 100

250 203.6 77.8 116.8#

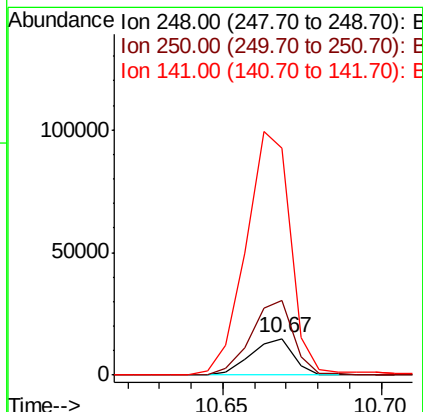
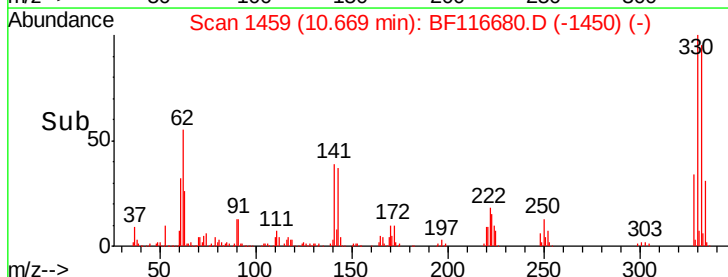
141 617.7 75.9 113.9#

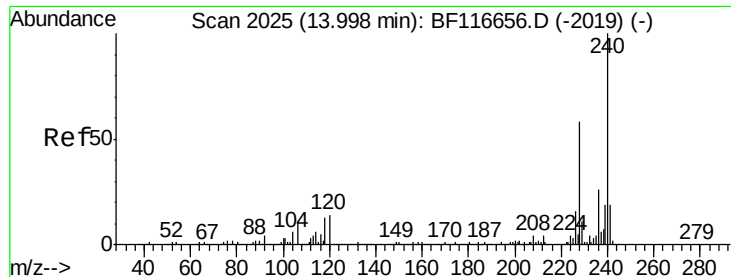


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

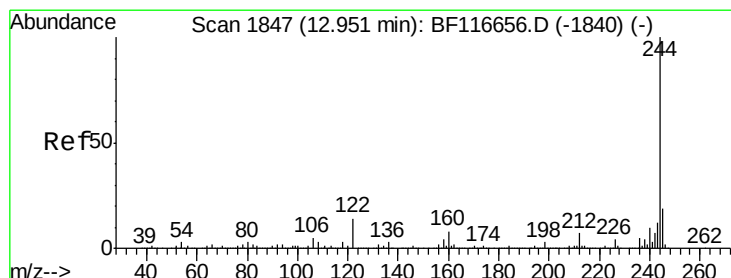
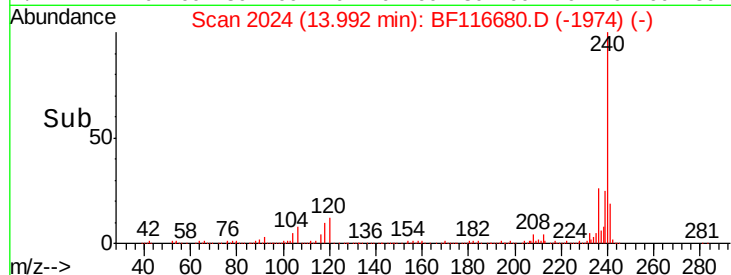
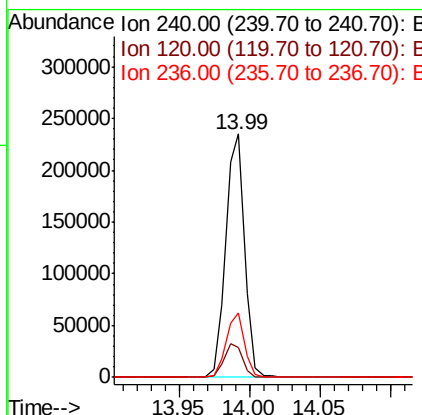
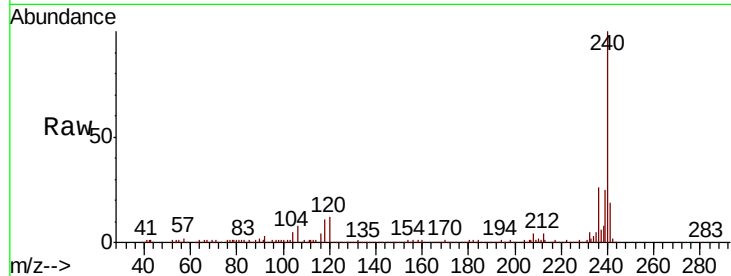




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

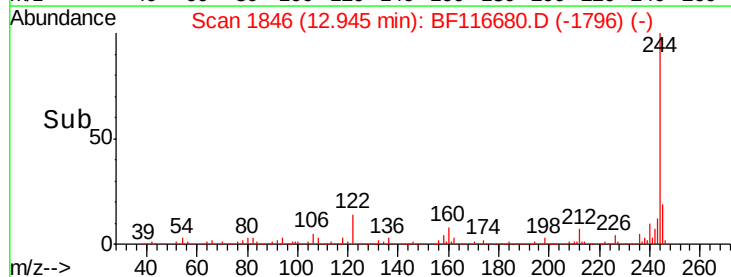
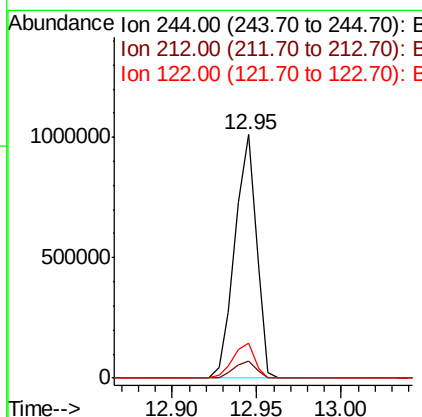
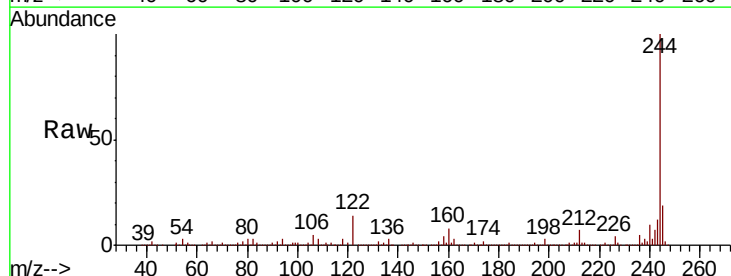
Instrument :
BNA_F
ClientSampleId :

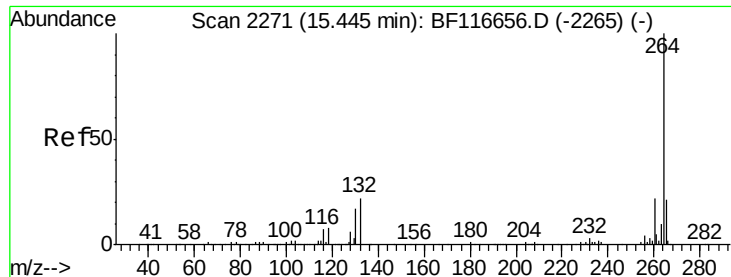
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.1	13.7
236	26.3	21.1	31.7



#79
Terphenyl-d14
Concen: 76.246 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	14.3	10.2	15.4

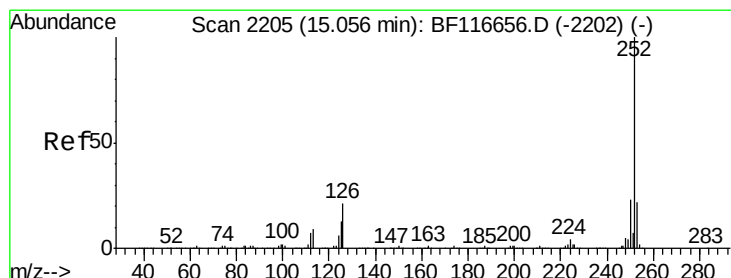
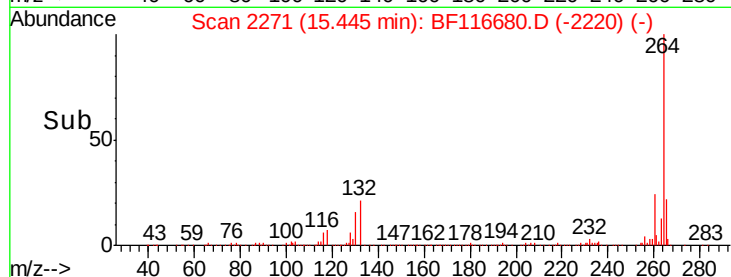
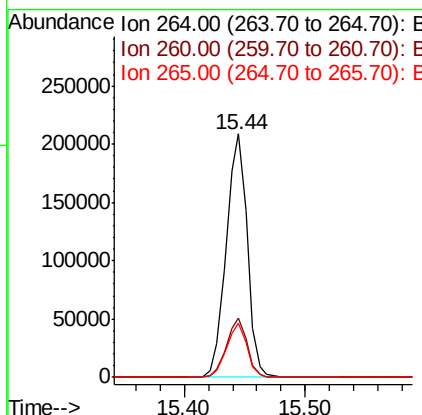
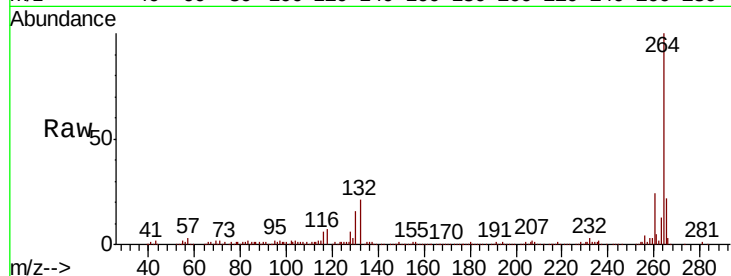




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.3	27.5
265	22.0	16.5	24.7



#89
Benzo(k)fluoranthene
Concen: 2.019 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116680.D
Acq: 31 Aug 2019 5:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.7	26.5#
125	22.1	8.6	13.0#

