

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116778.D
 Acq On : 3 Sep 2019 17:52
 Operator : HP/JU
 Sample : K4554-27
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 01:27:22 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

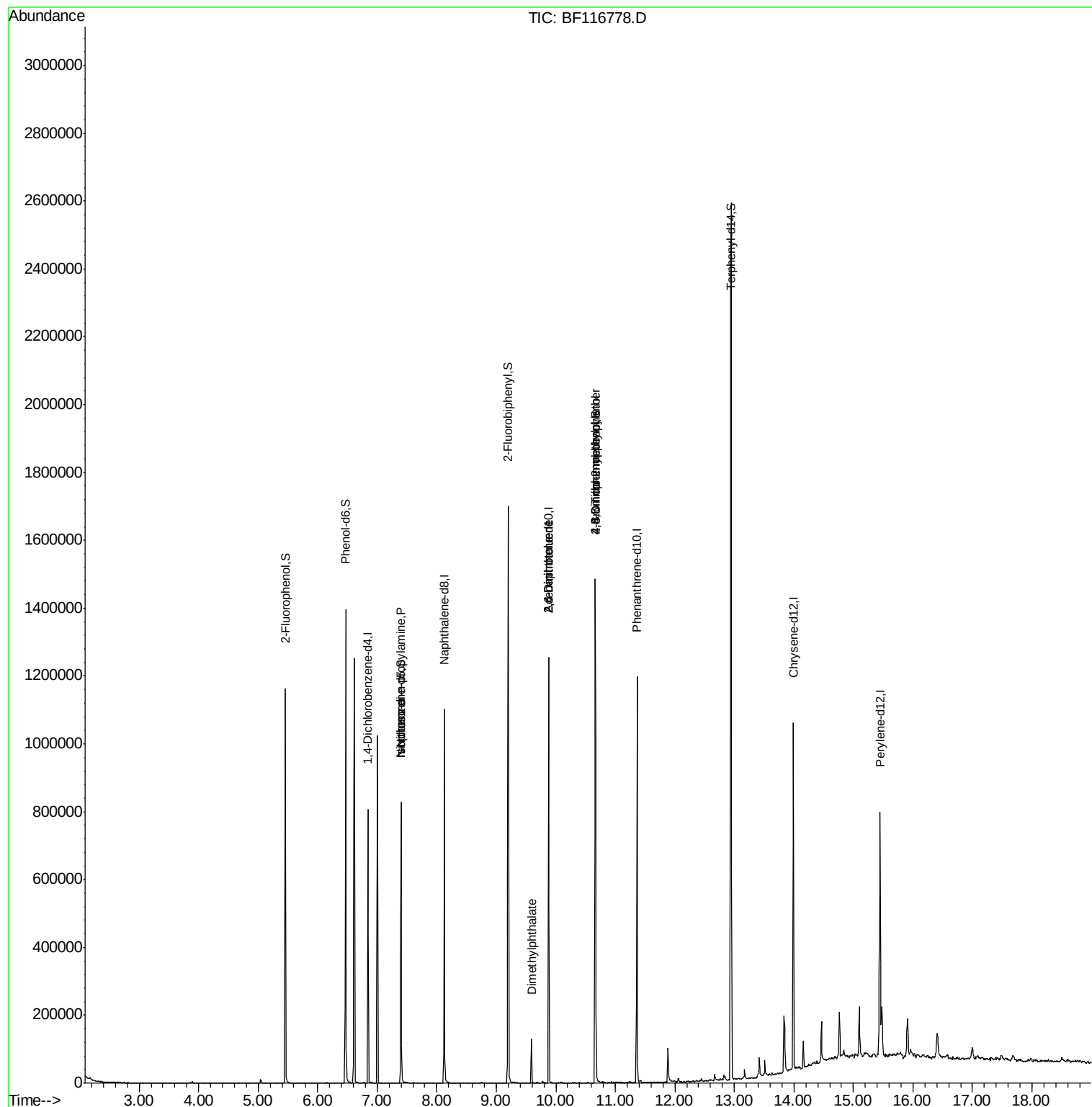
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	109953	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	453046	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	235713	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	399084	20.00	ng	0.00
76) Chrysene-d12	13.99	240	299504	20.00	ng	0.00
87) Perylene-d12	15.44	264	315068	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	312235	46.00	ng	0.00
7) Phenol-d6	6.47	99	439650	49.33	ng	-0.01
23) Nitrobenzene-d5	7.40	82	262459	33.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	154205	97.86	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	519823	37.20	ng	-0.01
79) Terphenyl-d14	12.94	244	855350	52.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	34154	5.820	ng	# 70
25) Isophorone	7.40	82	262457	16.321	ng	# 66
50) Dimethylphthalate	9.59	163	54369	3.341	ng	# 97
51) 2,6-Dinitrotoluene	9.88	165	29697	9.565	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	29697	7.822	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.66	198	259	7.600	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	9427	2.325	ng	# 1

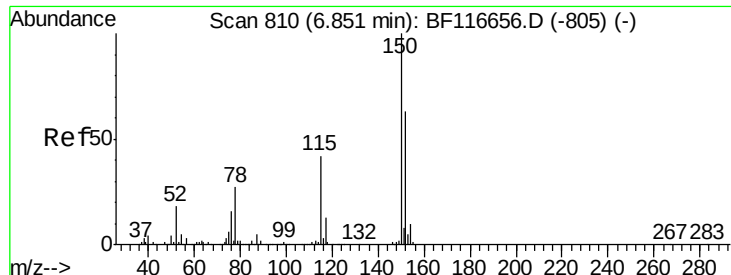
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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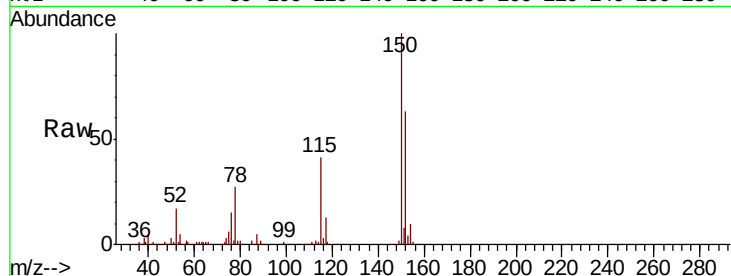


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116778.D
Acq: 3 Sep 2019 17:52

Instrument :
BNA_F
ClientSampled :

Tot Ion	152	Resp	109953
Ion Ratio	Lower	Upper	
152	100		
150	157.5	124.4	186.6
115	64.2	49.9	74.9

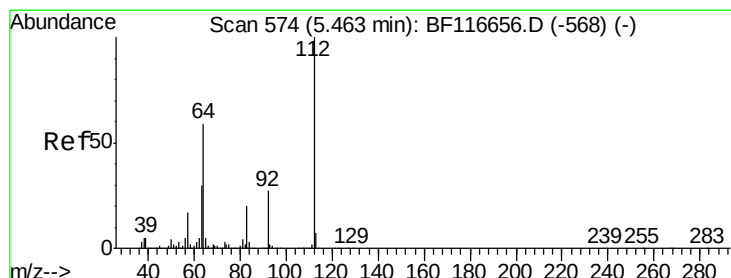
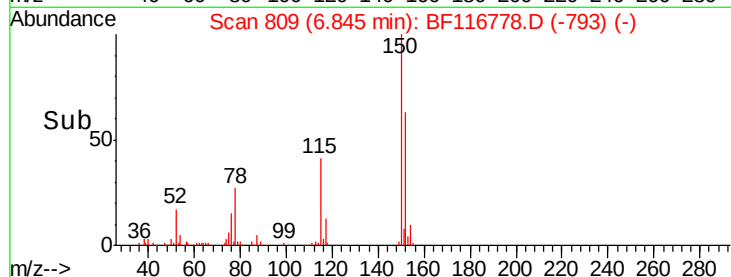
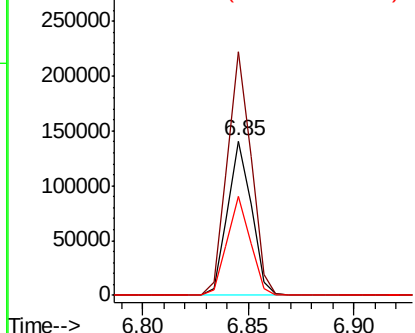


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

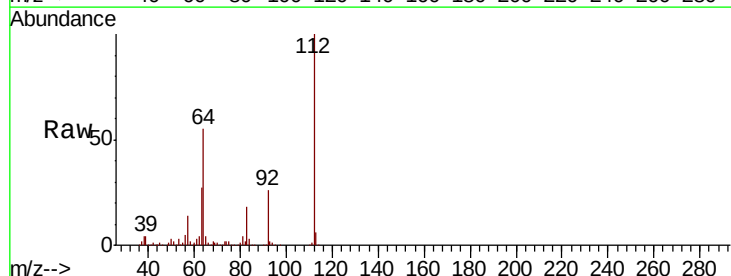
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.005 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116778.D
Acq: 3 Sep 2019 17:52

Tgt Ion	112	Resp	312235
Ion Ratio	Lower	Upper	
112	100		
64	54.7	47.1	70.7
63	27.0	24.9	37.3

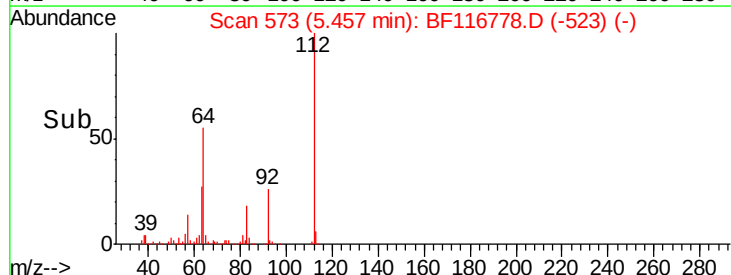
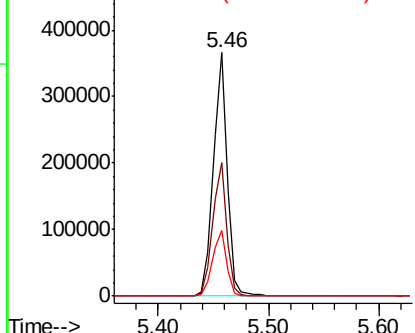


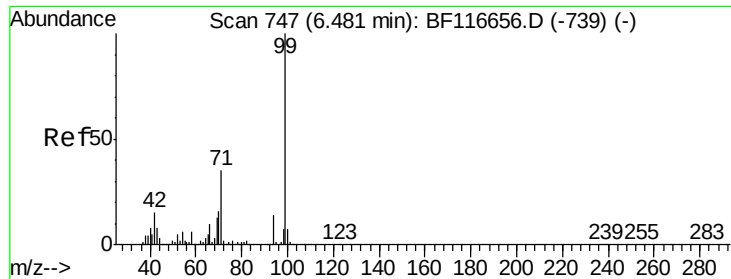
Abundance

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: 49.332 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

Instrument :

BNA_F

ClientSampleId :

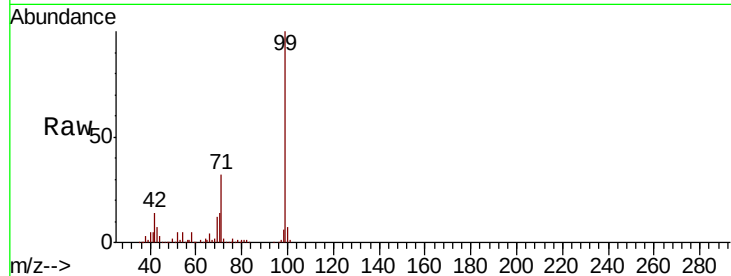
Tot Ion: 99 Resp: 439650

Ion Ratio Lower Upper

99 100

42 14.0 13.7 20.5

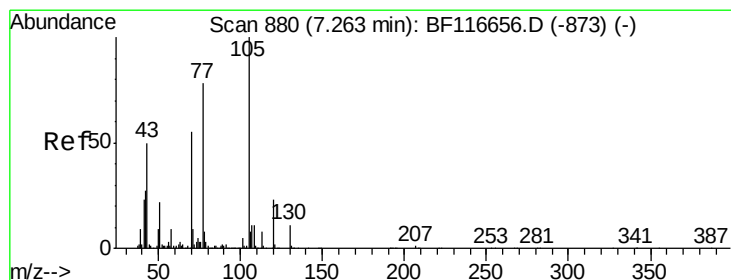
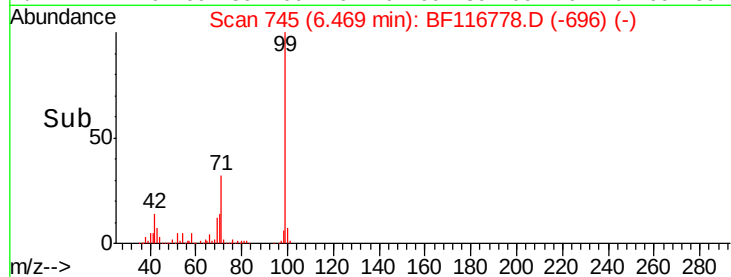
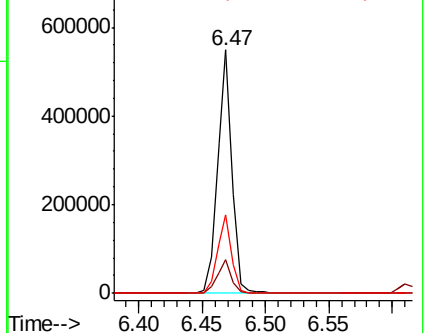
71 32.5 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.820 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

Tgt Ion: 70 Resp: 34154

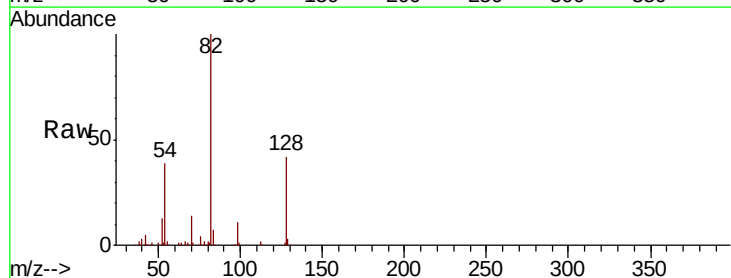
Ion Ratio Lower Upper

70 100

42 35.8 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#

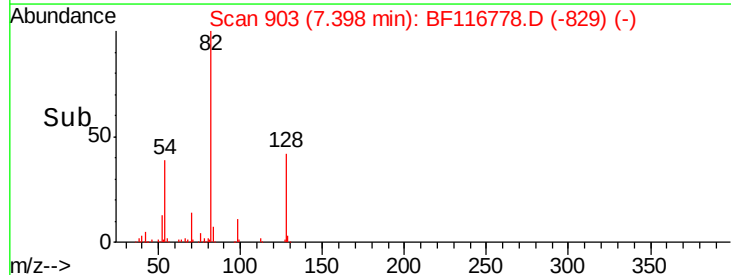
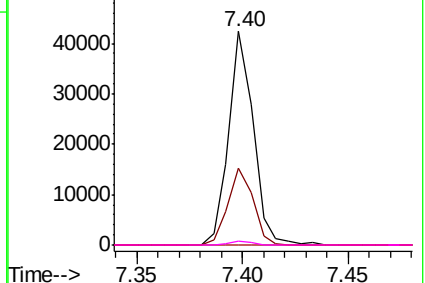


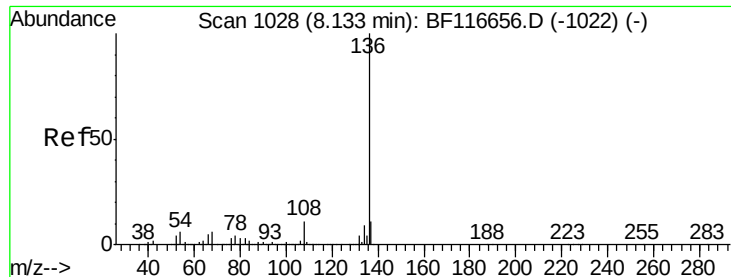
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

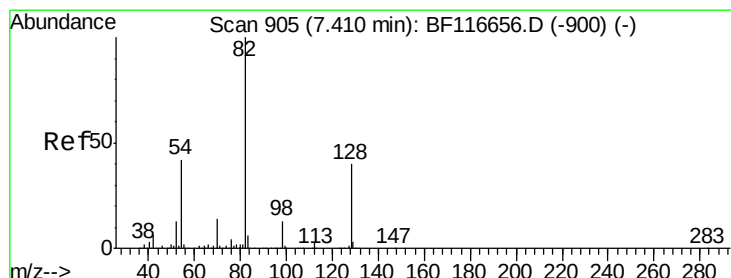
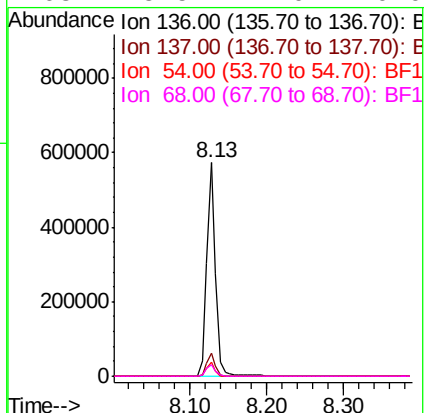
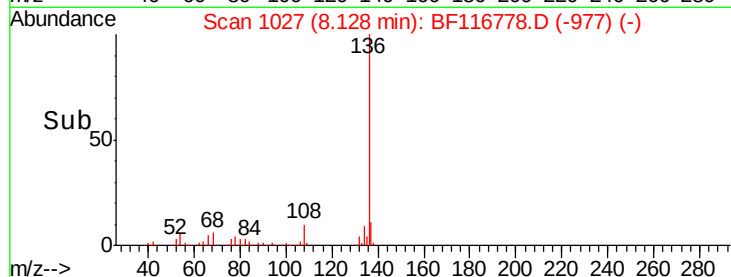
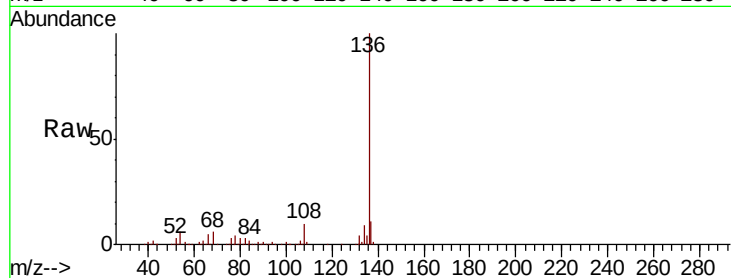




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116778.D
Acq: 3 Sep 2019 17:52

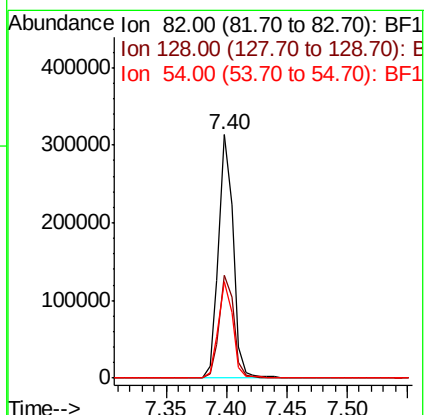
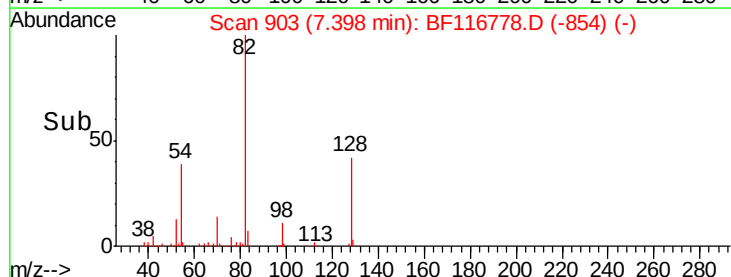
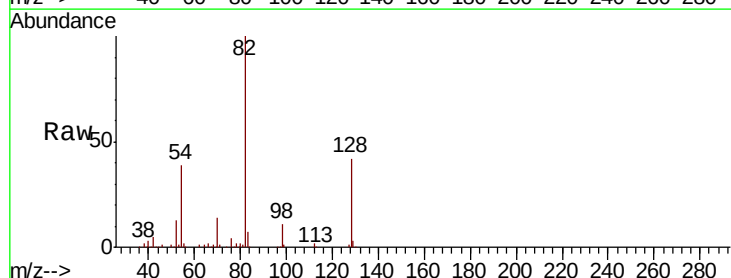
Instrument :
BNA_F
ClientSampleId :

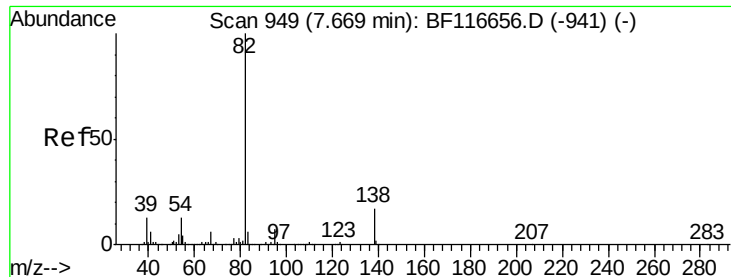
Tot Ion:136	Resp:	453046
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	6.3	4.8 7.2
68	5.5	4.0 6.0



#23
Nitrobenzene-d5
Concen: 33.072 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116778.D
Acq: 3 Sep 2019 17:52

Tgt Ion: 82	Resp:	262459
Ion Ratio	Lower	Upper
82	100	
128	42.2	32.8 49.2
54	39.4	36.9 55.3





#25

Isophorone

Concen: 16.321 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

Instrument :

BNA_F

ClientSampleId :

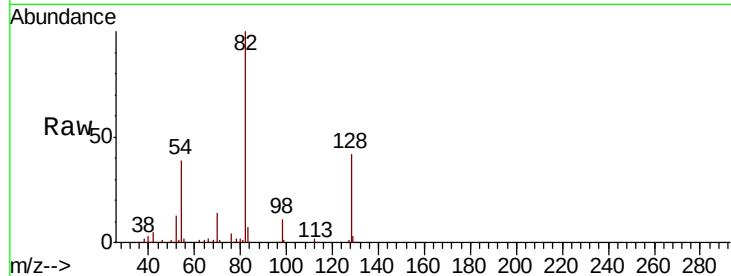
Tot Ion: 82 Resp: 262457

Ion Ratio Lower Upper

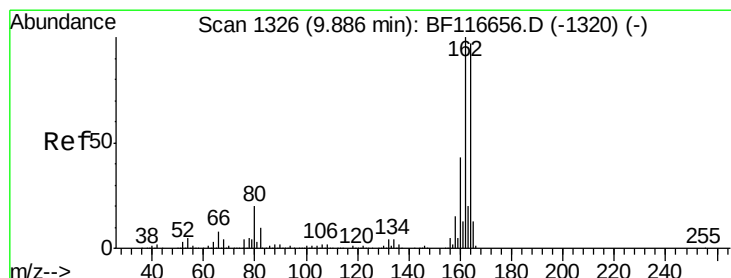
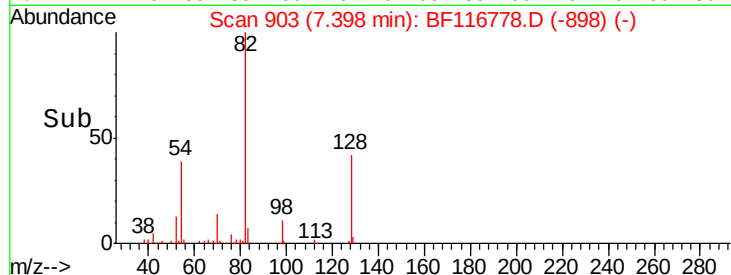
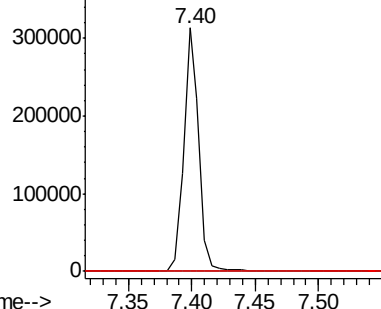
82 100

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: BF116778.D

Acq: 3 Sep 2019 17:52

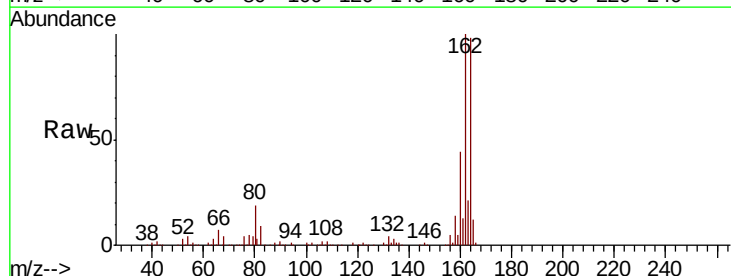
Tgt Ion:164 Resp: 235713

Ion Ratio Lower Upper

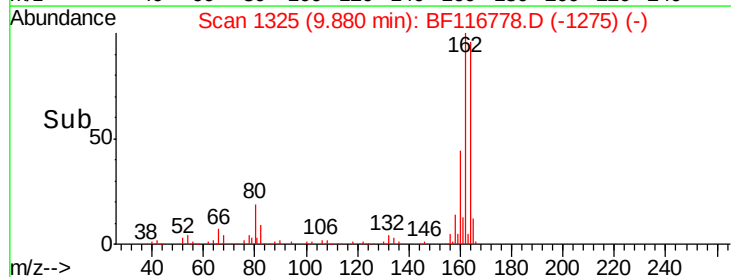
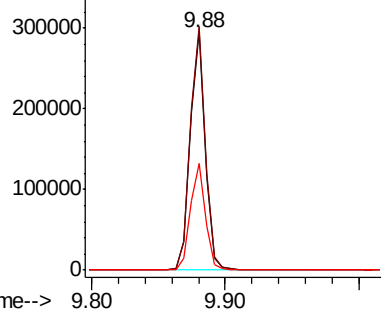
164 100

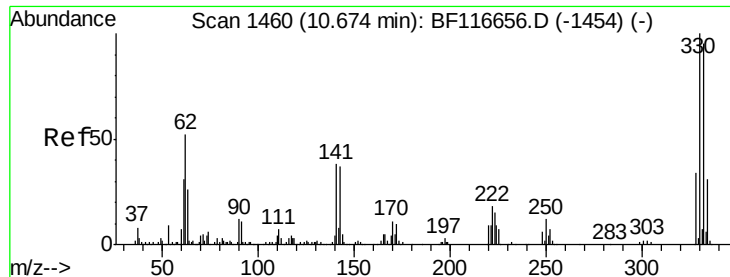
162 102.3 81.4 122.0

160 44.6 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

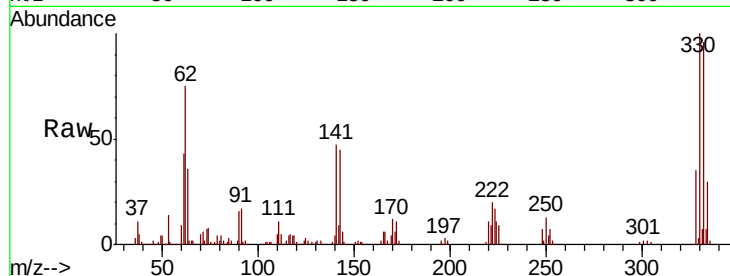




#42
 2,4,6-Tribromophenol
 Concen: 97.859 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116778.D
 Acq: 3 Sep 2019 17:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.9	115.3
141	42.0	31.4	47.2

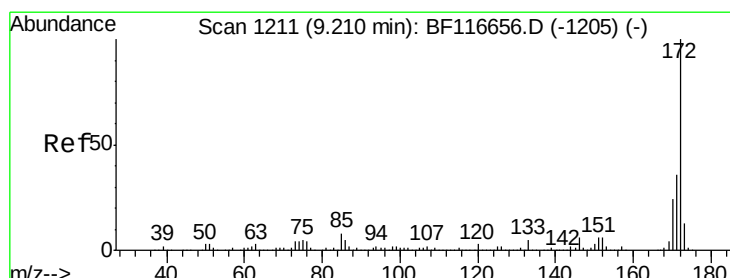
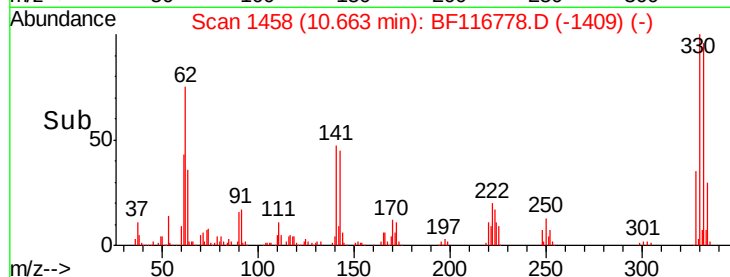
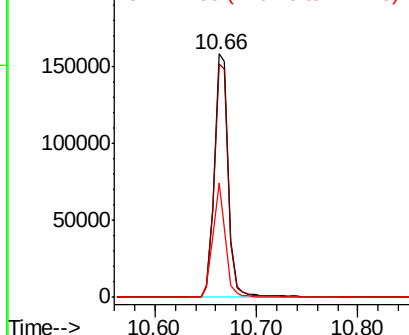


Abundance

Ion 329.80 (329.50 to 330.50): E

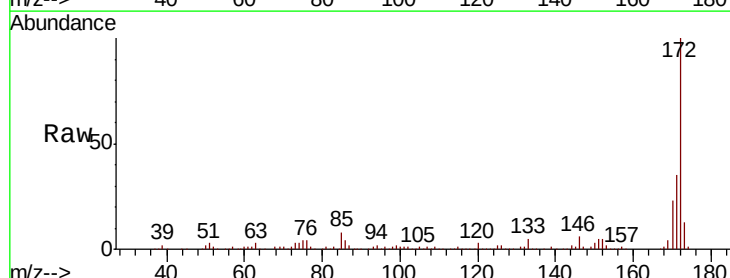
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.201 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116778.D
 Acq: 3 Sep 2019 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.6	18.9	28.3

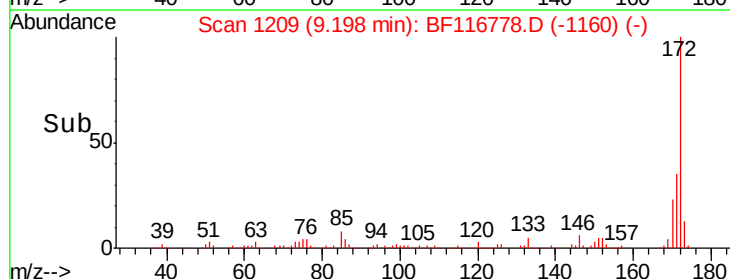
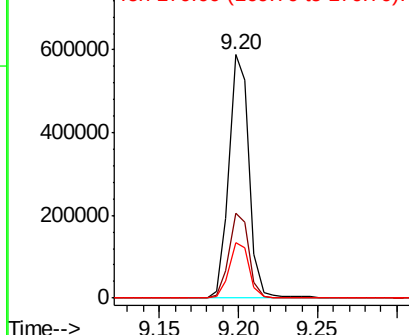


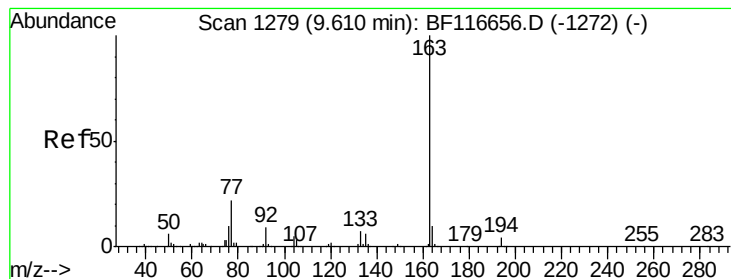
Abundance

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: 3.341 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

Instrument :

BNA_F

ClientSampleId :

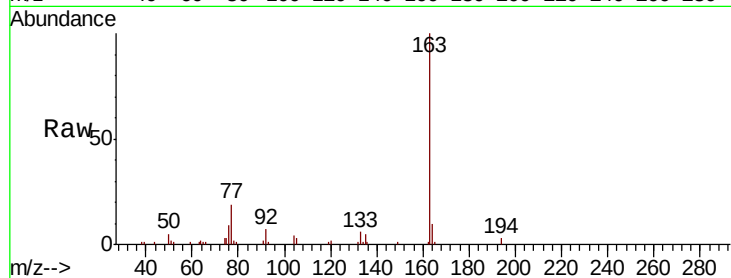
Tot Ion:163 Resp: 54369

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

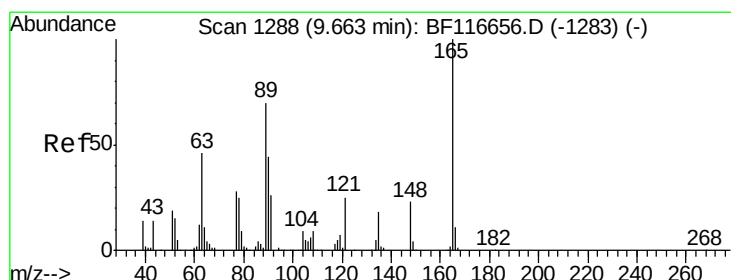
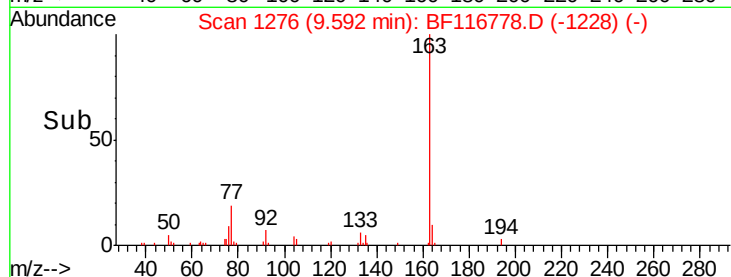
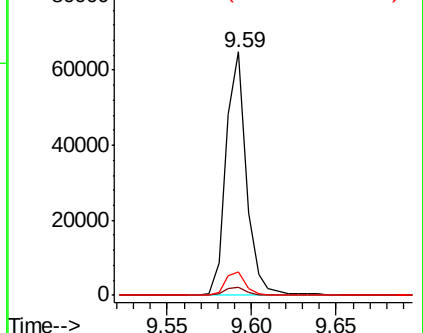
164 9.6 8.6 12.8



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



#51

2,6-Dinitrotoluene

Concen: 9.565 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

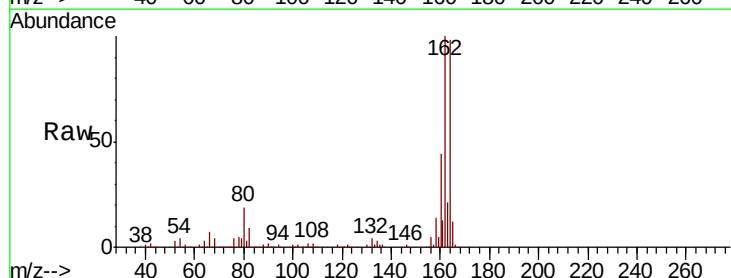
Tgt Ion:165 Resp: 29697

Ion Ratio Lower Upper

165 100

63 0.8 47.3 70.9#

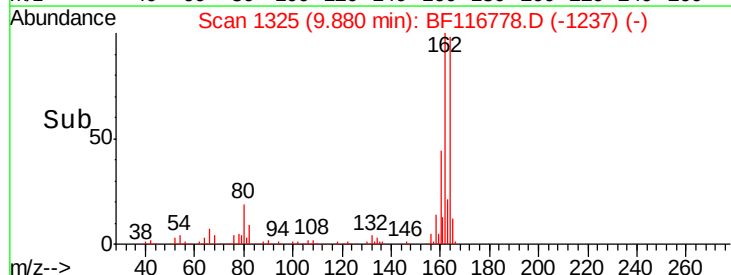
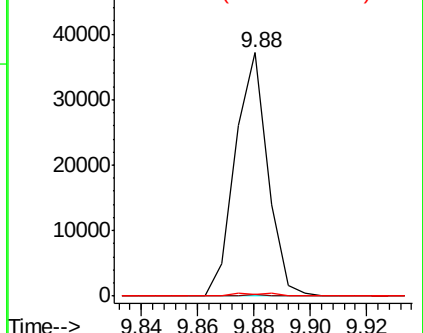
89 1.0 52.5 78.7#

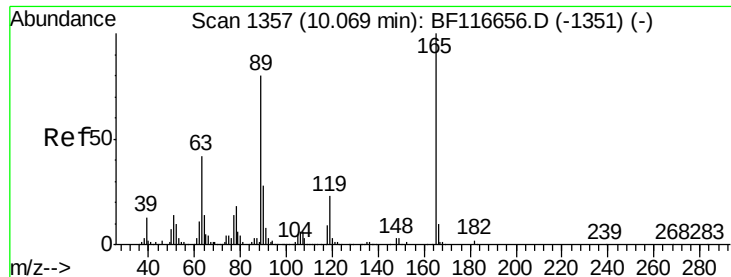


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

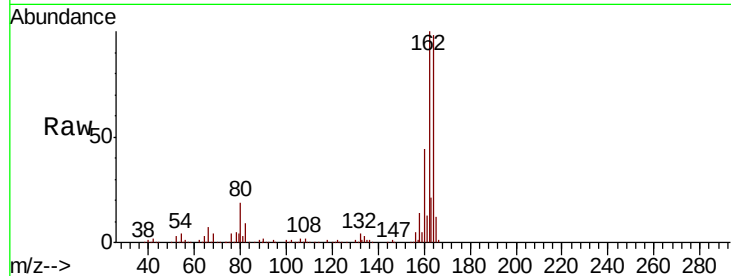




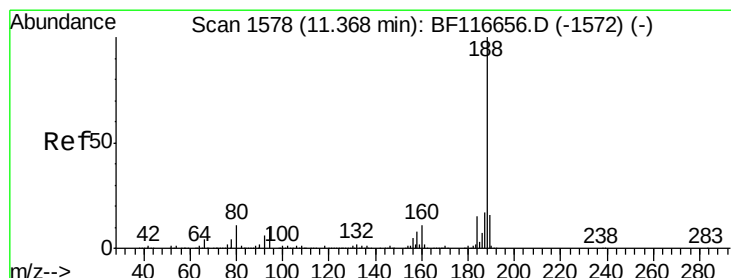
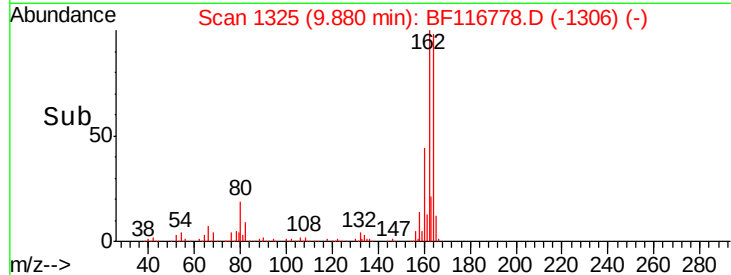
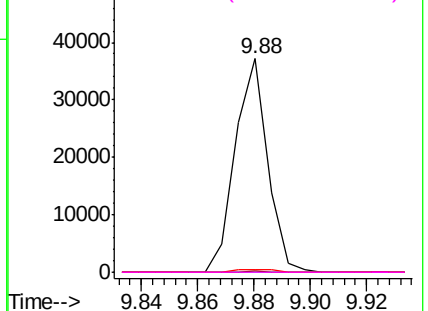
#57
 2,4-Dinitrotoluene
 Concen: 7.822 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116778.D
 Acq: 3 Sep 2019 17:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	29697
Ion	Ratio	Lower	Upper
165	100		
63	0.8	36.4	54.6#
89	1.0	62.6	94.0#
182	0.0	2.1	3.1#

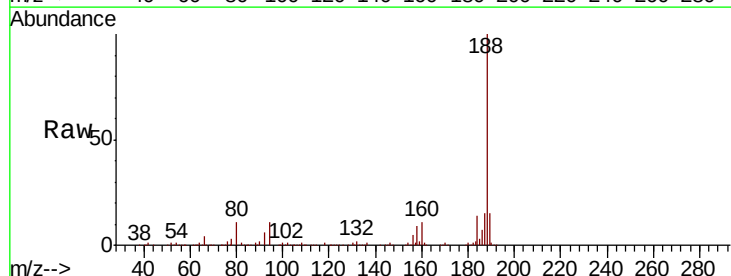


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

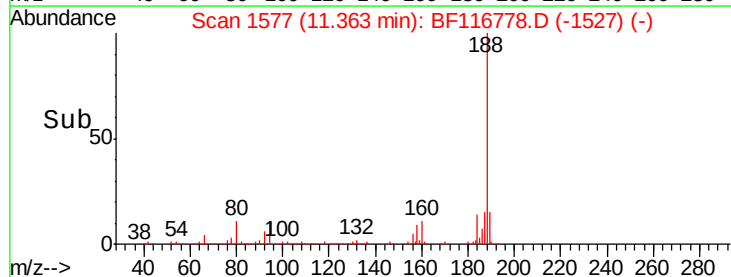
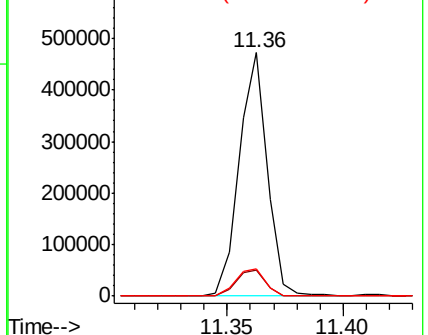


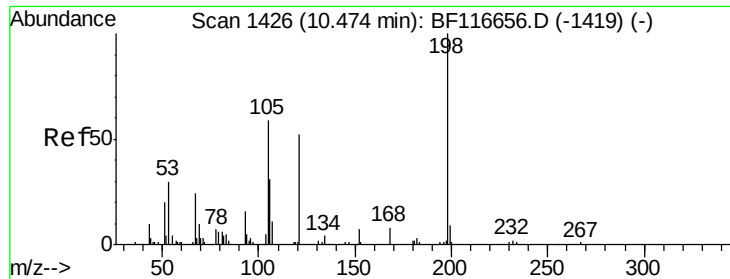
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116778.D
 Acq: 3 Sep 2019 17:52

Tgt Ion:	188	Resp:	399084
Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.3	10.9
80	11.0	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

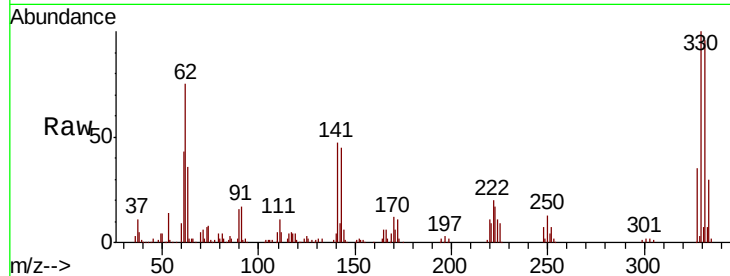




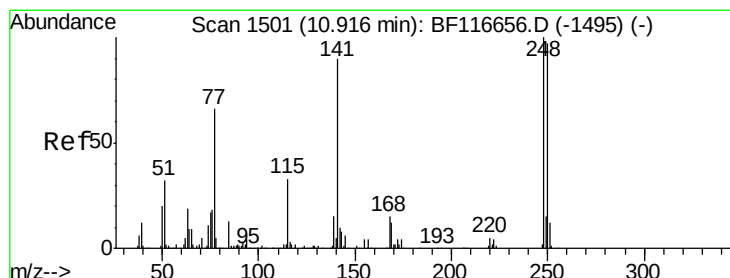
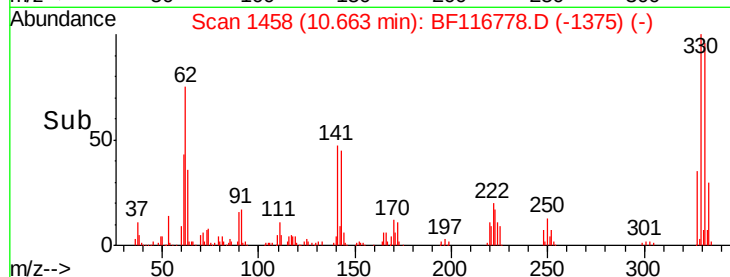
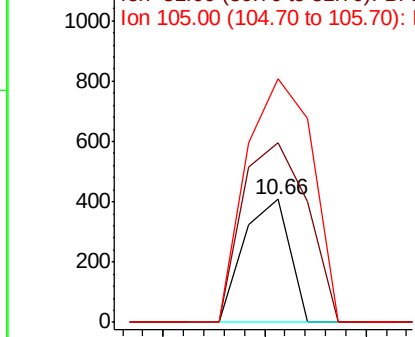
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.600 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.19 min
 Lab File: BF116778.D
 Acq: 3 Sep 2019 17:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 259
 Ion Ratio Lower Upper
 198 100
 51 146.3 18.4 58.4#
 105 197.8 22.9 62.9#

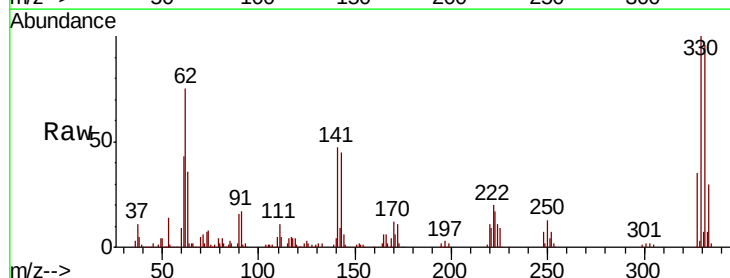


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

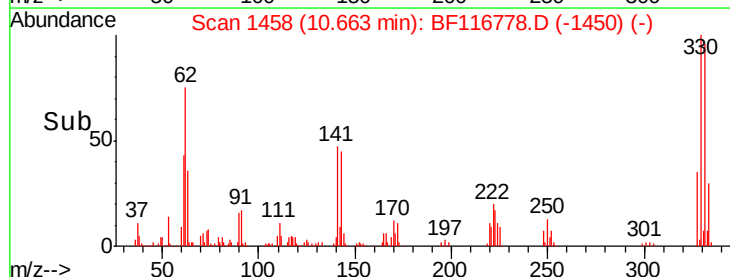
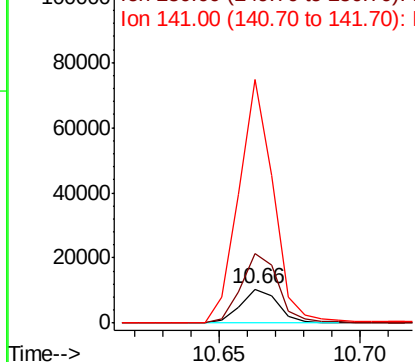


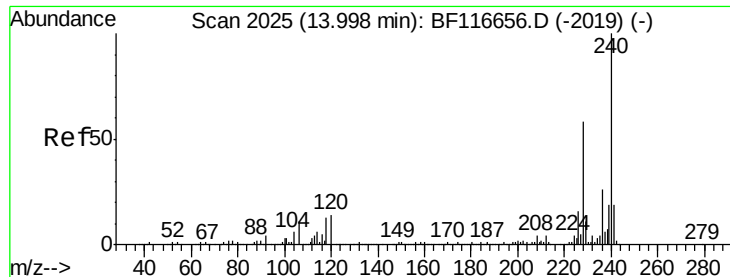
#67
 4-Bromophenyl-phenylether
 Concen: 2.325 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116778.D
 Acq: 3 Sep 2019 17:52

Tgt Ion:248 Resp: 9427
 Ion Ratio Lower Upper
 248 100
 250 203.3 77.8 116.8#
 141 716.1 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: BF116778.D

Acq: 3 Sep 2019 17:52

Instrument :

BNA_F

ClientSampleId :

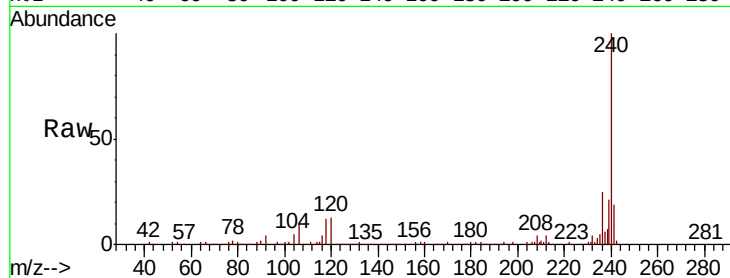
Tot Ion:240 Resp: 299504

Ion Ratio Lower Upper

240 100

120 13.3 9.1 13.7

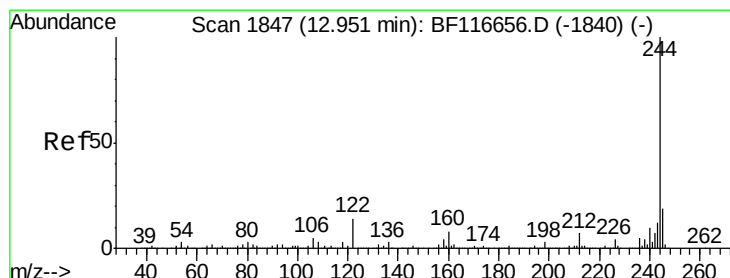
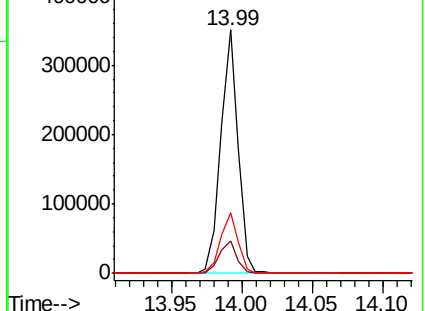
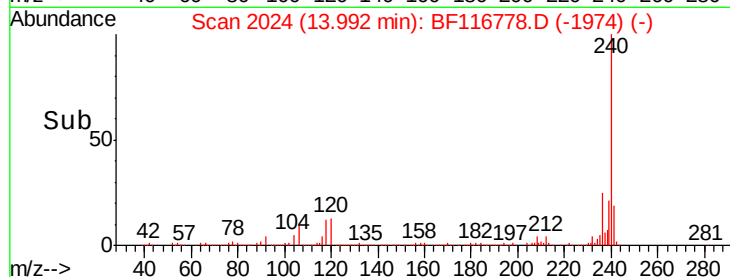
236 25.1 21.1 31.7



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



#79

Terphenyl-d14

Concen: 52.832 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116778.D

Acq: 3 Sep 2019 17:52

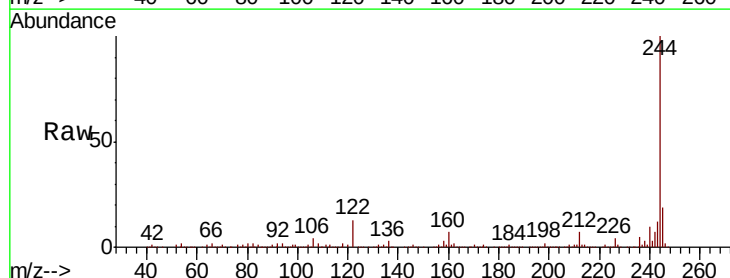
Tgt Ion:244 Resp: 855350

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

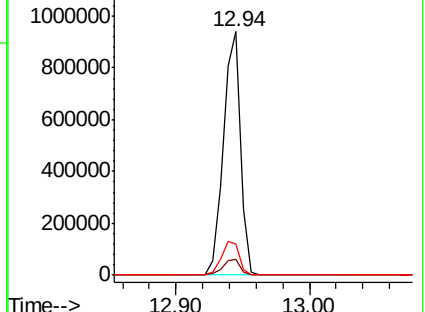
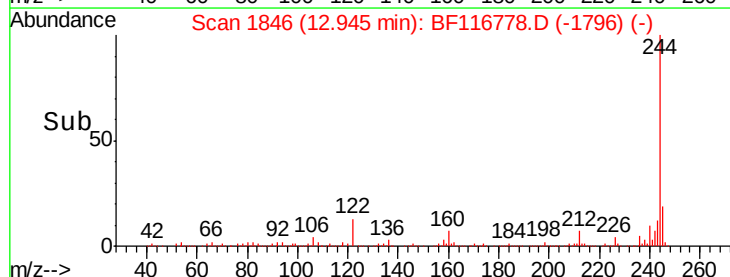
122 12.8 10.2 15.4

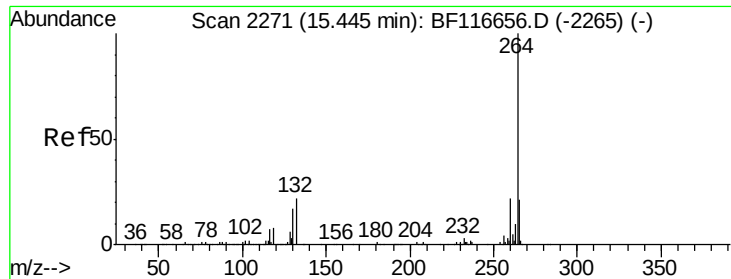


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

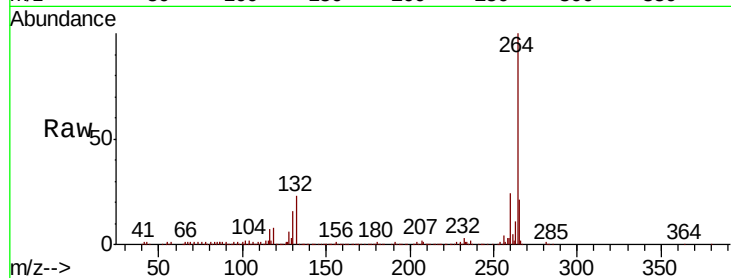




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116778.D
Acq: 3 Sep 2019 17:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	21.4	16.5	24.7



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

