

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112207.D
 Acq On : 24 Jan 2019 14:23
 Operator : JU/SJ
 Sample : PB116593BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 24 14:51:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

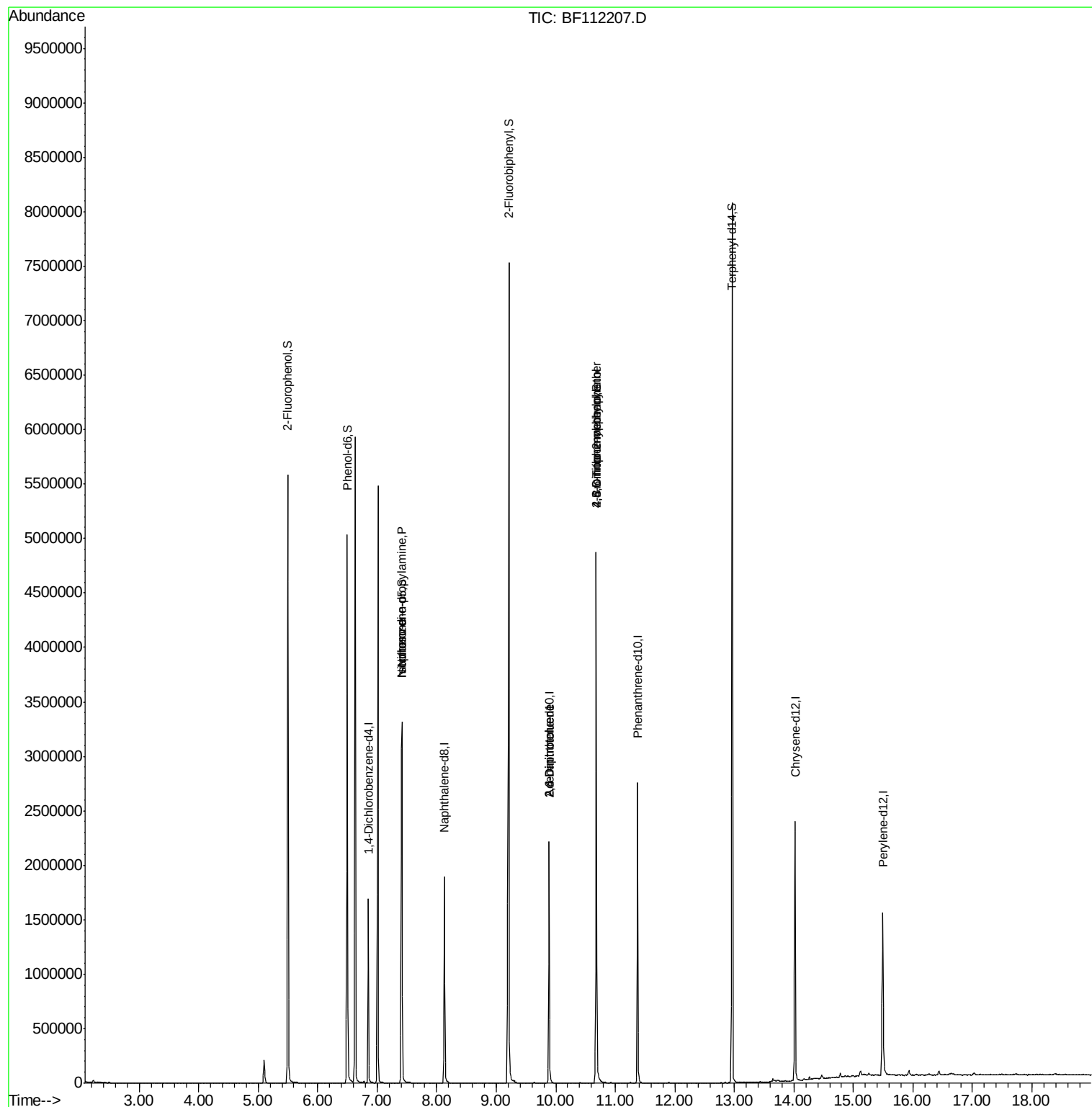
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	251758	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	996811	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	508516	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	1056581	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	893564	20.00	ng	0.00
87) Perylene-d12	15.49	264	774234	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1696799	122.33	ng	0.00
7) Phenol-d6	6.50	99	2143297	123.50	ng	0.00
23) Nitrobenzene-d5	7.42	82	1384106	95.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	758094	138.19	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2834543	81.72	ng	0.00
79) Terphenyl-d14	12.96	244	3151107	75.02	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	3391	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	188334	17.814 ng	#	74
25) Isophorone	7.42	82	1360382	48.815 ng	#	63
51) 2,6-Dinitrotoluene	9.89	165	66545	8.985 ng	#	34
57) 2,4-Dinitrotoluene	9.89	165	66546	10.913 ng	#	31
65) 4,6-Dinitro-2-methylphenol	10.69	198	1490	10.337 ng	#	1
67) 4-Bromophenyl-phenylether	10.69	248	46281	3.771 ng	#	1

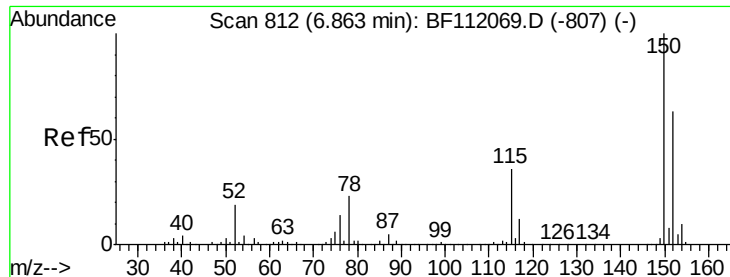
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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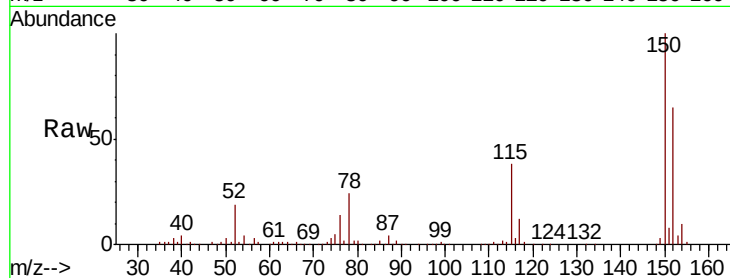


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112207.D
Acq: 24 Jan 2019 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.4	191.0
115	57.8	45.5	68.3

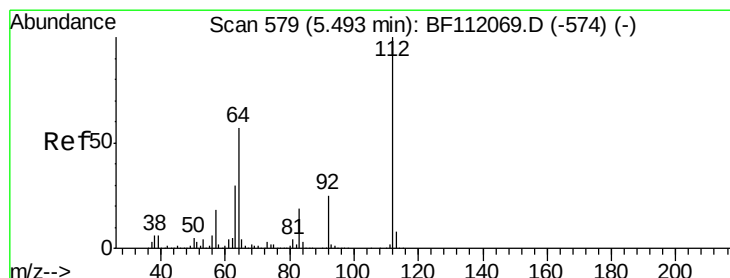
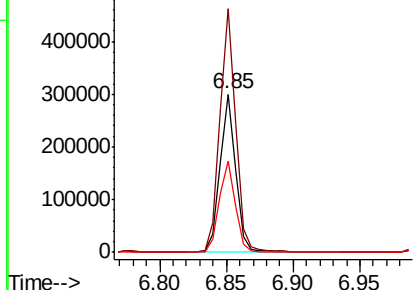
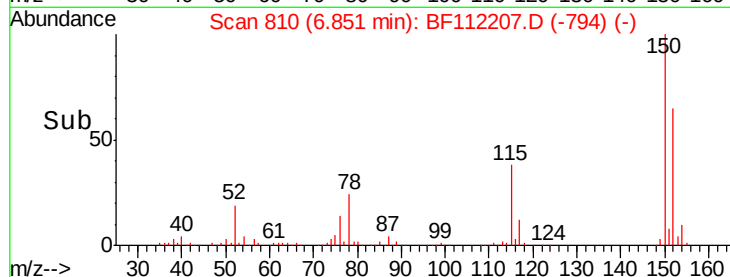


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

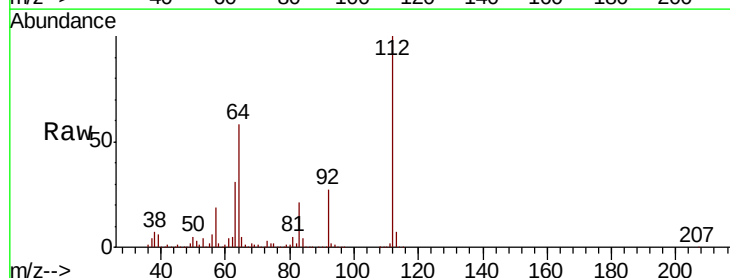
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.330 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112207.D
Acq: 24 Jan 2019 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	45.7	68.5
63	31.1	23.6	35.4

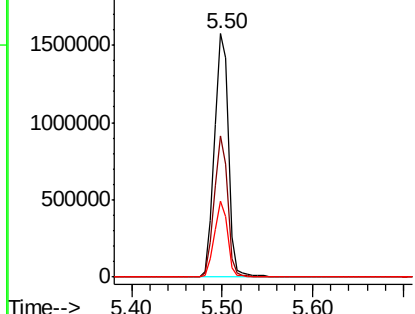
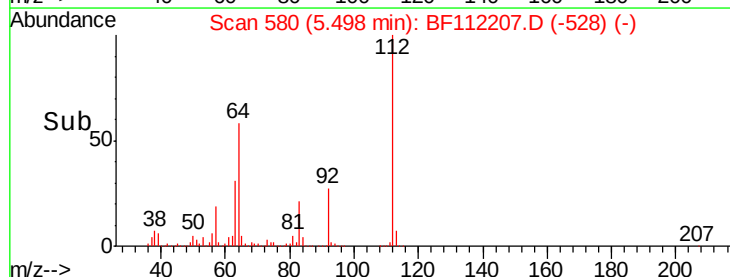


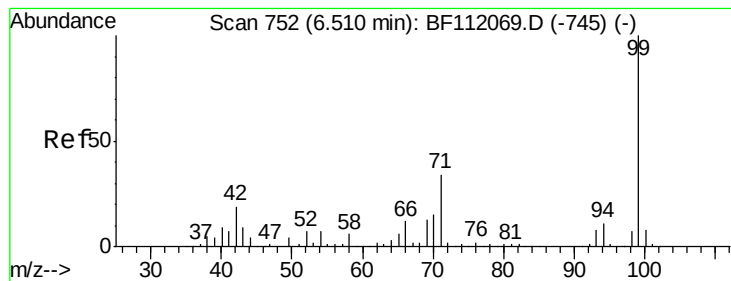
Abundance

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: 123.502 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

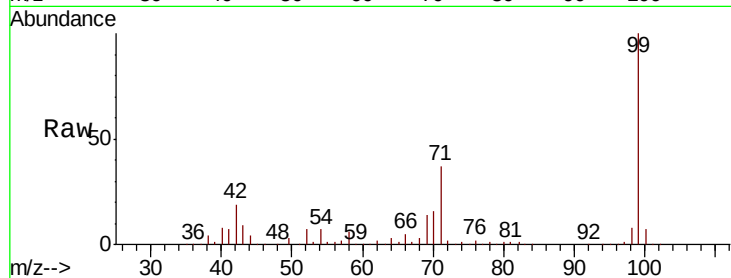
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2143297

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.1	22.7
71	37.3	26.9	40.3

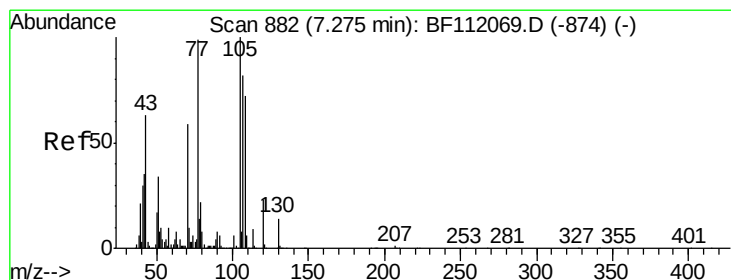
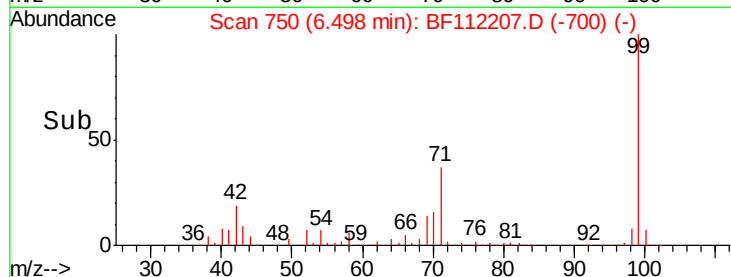
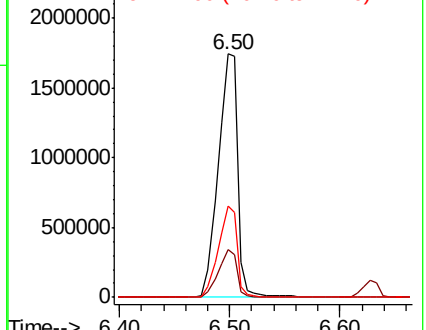


Abundance

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: 17.814 ng

RT: 7.42 min Scan# 906

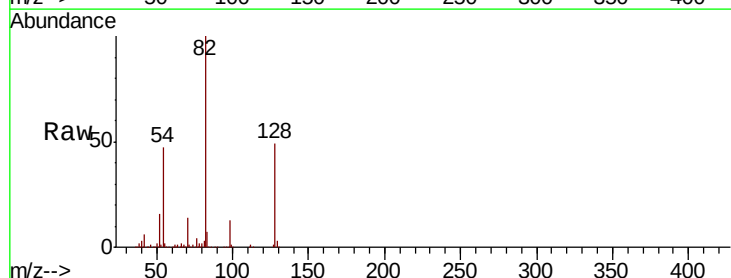
Delta R.T. 0.14 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

Tgt Ion: 70 Resp: 188334

Ion	Ratio	Lower	Upper
70	100		
42	44.6	47.6	71.4#
101	0.0	7.9	11.9#
130	2.3	18.4	27.6#



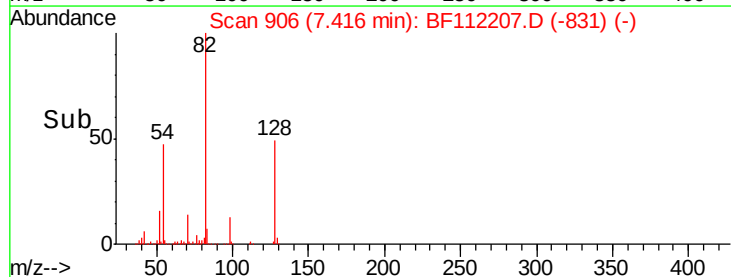
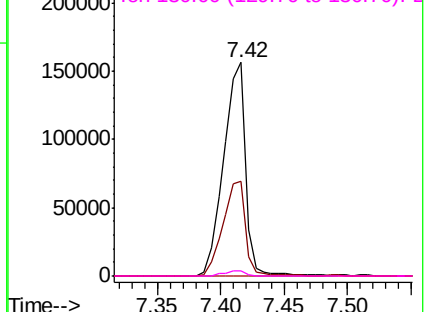
Abundance

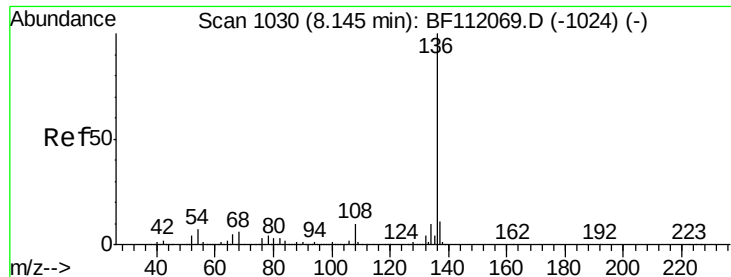
Ion 70.00 (69.70 to 70.70): BF1

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# 1028

Delta R.T. -0.01 min

Lab File: BF112207.D

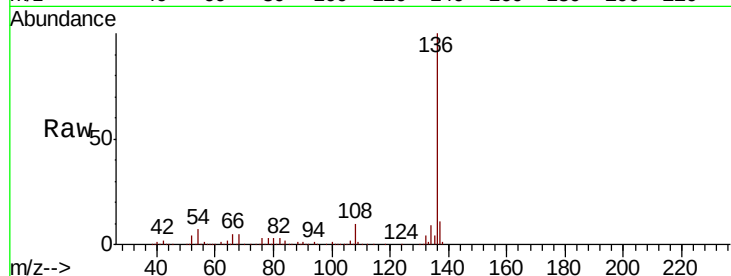
Acq: 24 Jan 2019 14:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	996811
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.1 13.7
54	6.5	5.9 8.9
68	5.0	5.1 7.7#

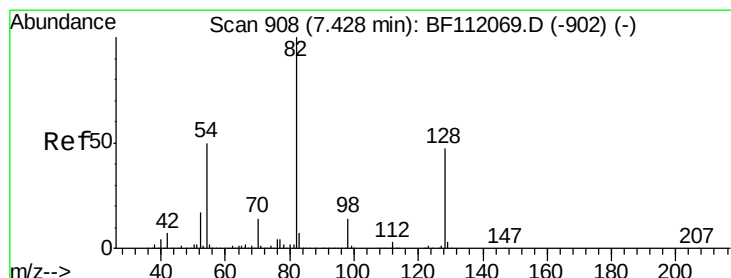
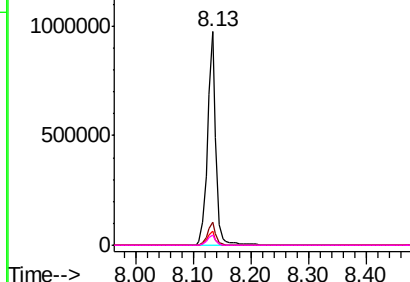
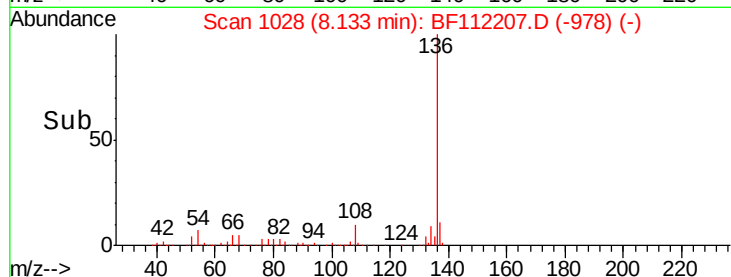


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 95.932 ng

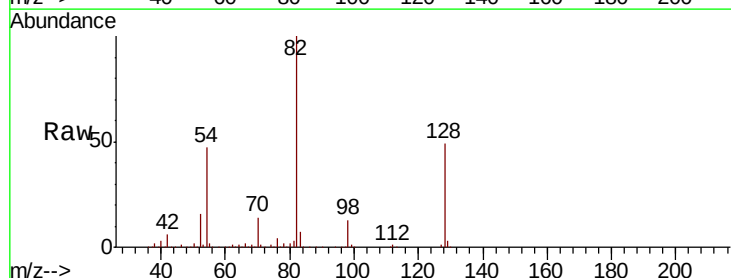
RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

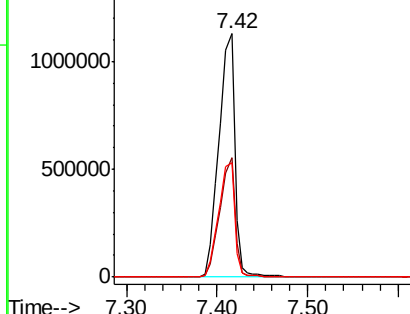
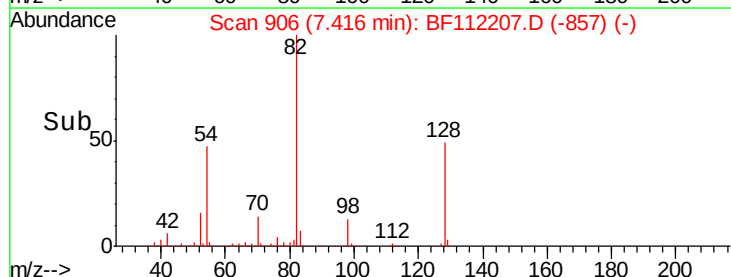
Tgt	Ion: 82	Resp: 1384106	
Ion	Ratio	Lower	Upper
82	100		
128	49.0	37.8	56.8
54	47.1	39.7	59.5

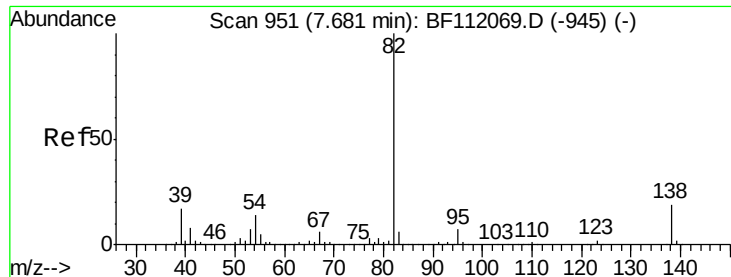


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.815 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

Instrument :

BNA_F

ClientSampled :

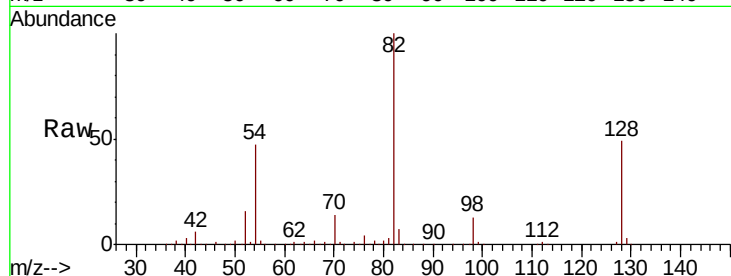
Tot Ion: 82 Resp: 1360382

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

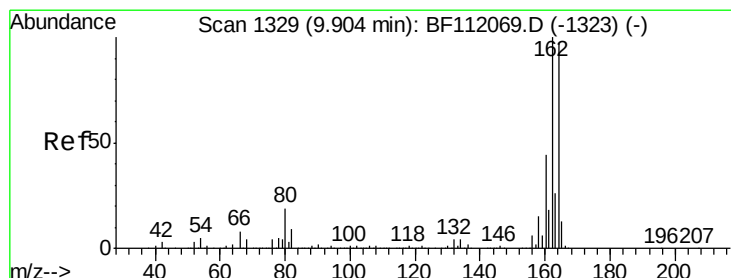
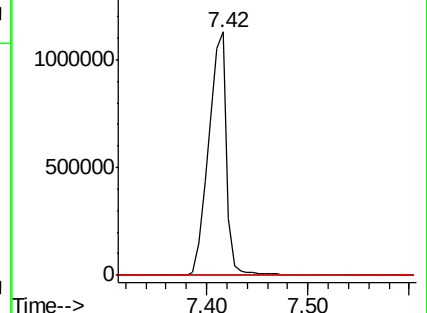
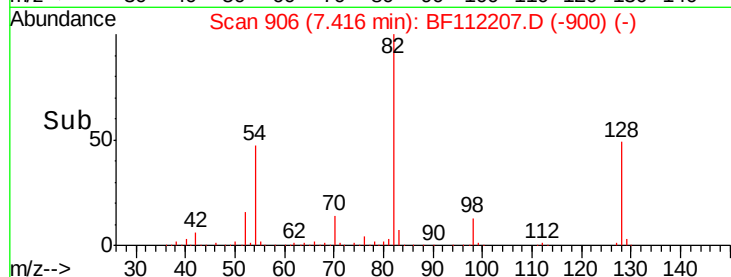
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

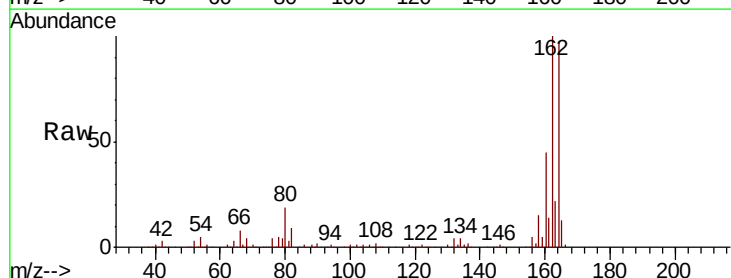
Tgt Ion:164 Resp: 508516

Ion Ratio Lower Upper

164 100

162 102.8 82.2 123.4

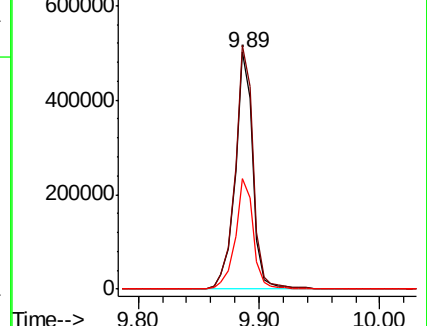
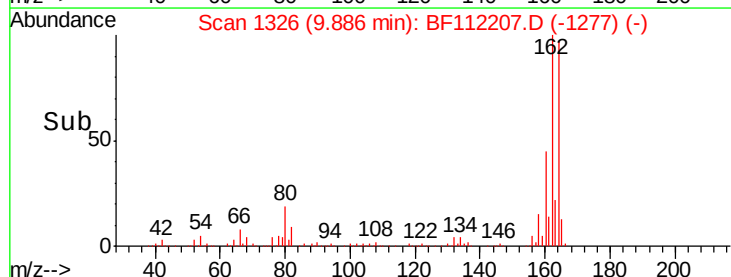
160 46.5 36.2 54.4

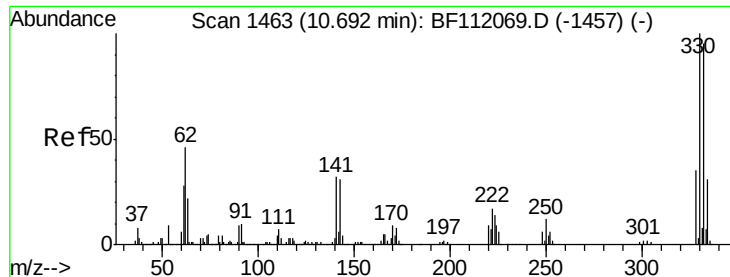


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

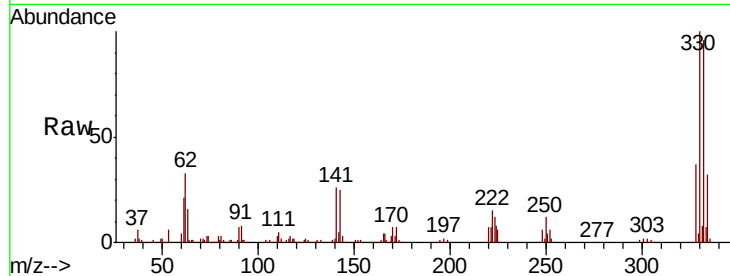




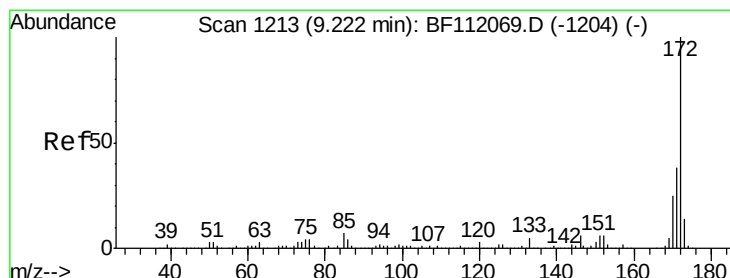
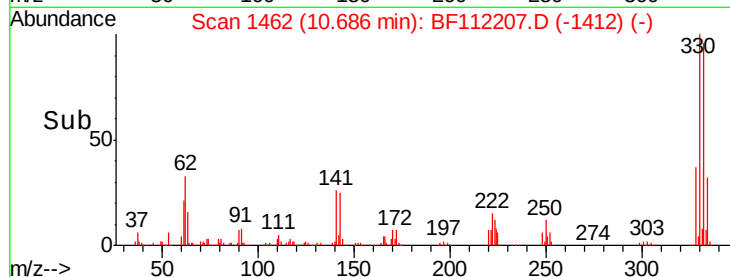
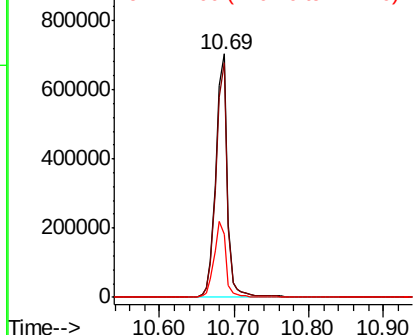
#42
 2,4,6-Tribromophenol
 Concen: 138.193 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112207.D
 Acq: 24 Jan 2019 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	114.8
141	32.0	24.3	36.5

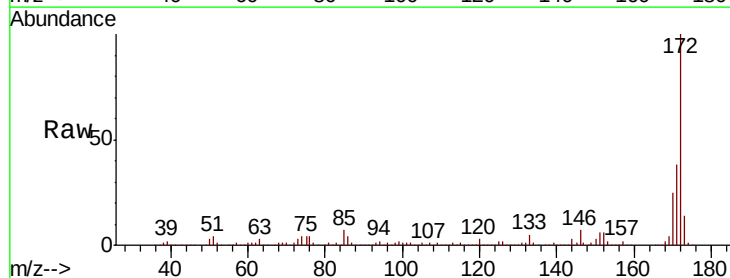


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

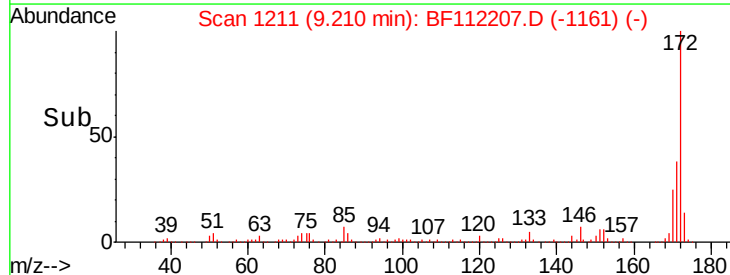
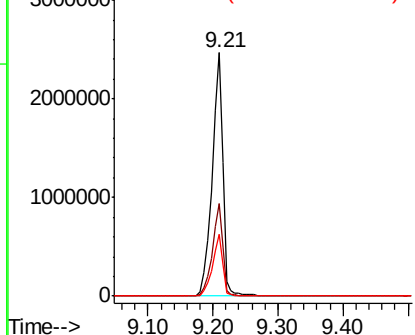


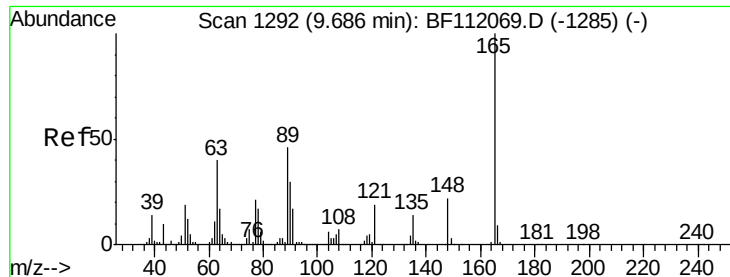
#45
 2-Fluorobiphenyl
 Concen: 81.723 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112207.D
 Acq: 24 Jan 2019 14:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.5	45.7
170	25.2	20.2	30.4



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

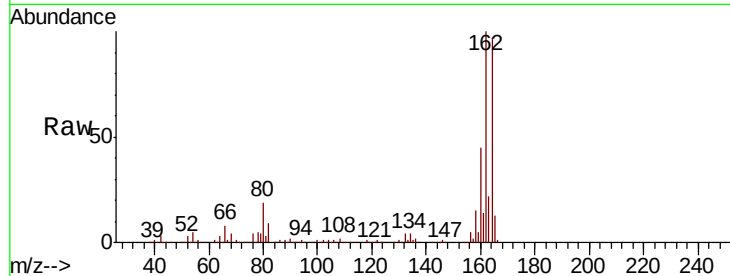




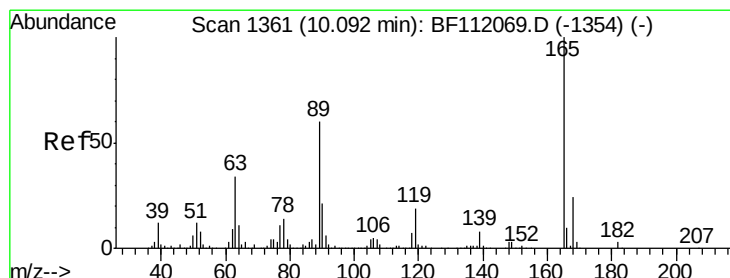
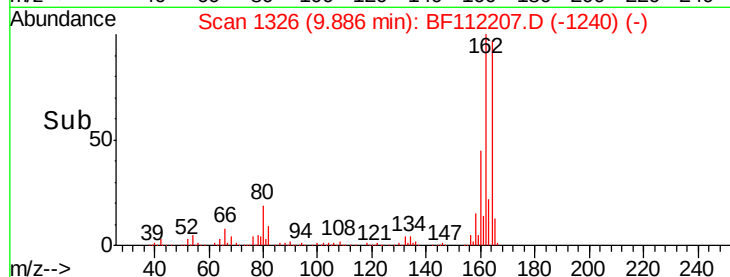
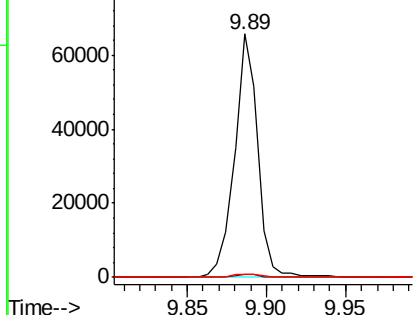
#51
 2,6-Dinitrotoluene
 Concen: 8.985 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF112207.D
 Acq: 24 Jan 2019 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.8	50.8#
89	1.5	36.9	55.3#

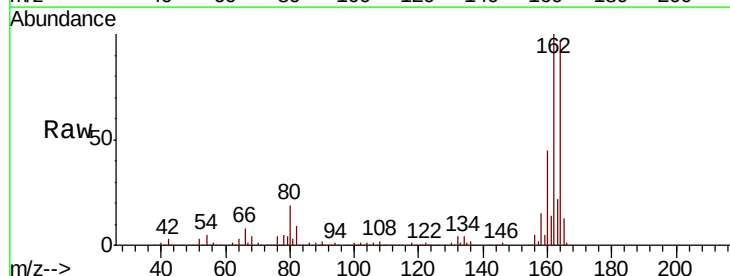


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

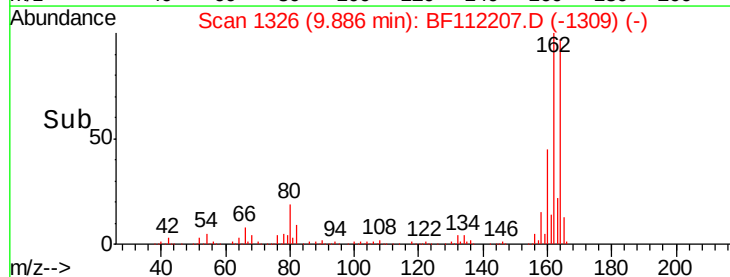
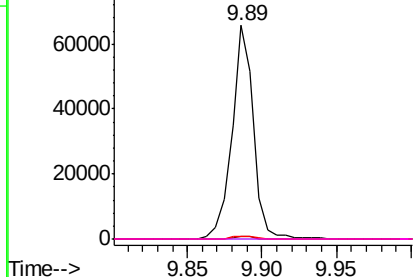


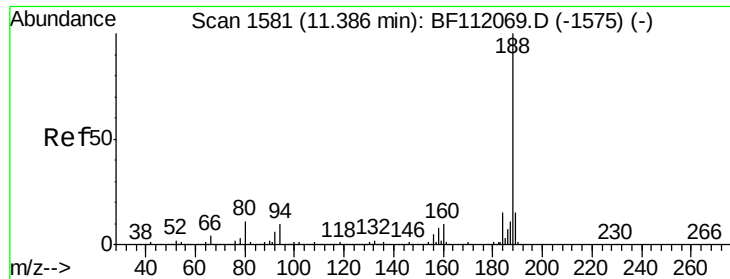
#57
 2,4-Dinitrotoluene
 Concen: 10.913 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF112207.D
 Acq: 24 Jan 2019 14:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.9	41.9#
89	1.5	47.9	71.9#
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: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

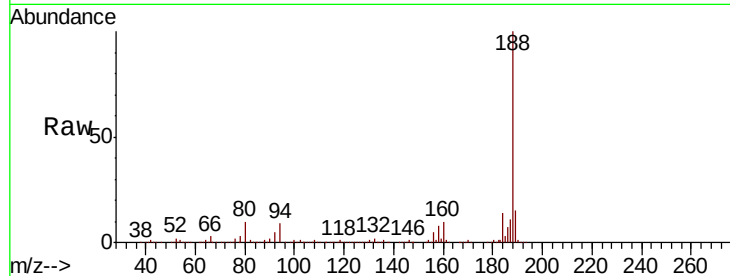
Instrument :

BNA_F

ClientSampleId :

Tot Ion:188 Resp: 1056581

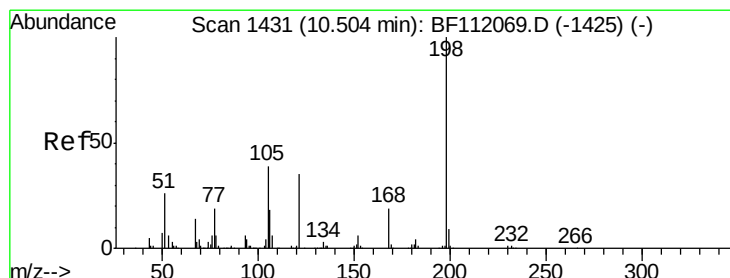
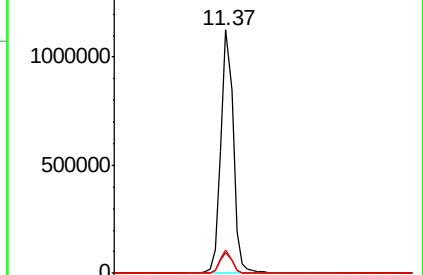
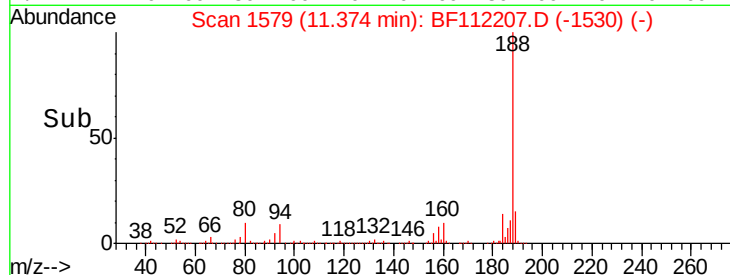
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.7	8.9	13.3



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: 10.337 ng

RT: 10.69 min Scan# 1462

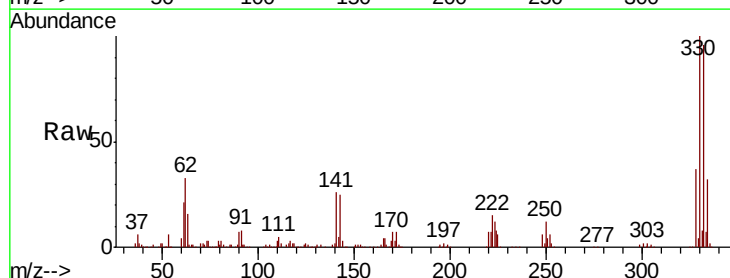
Delta R.T. 0.18 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

Tgt Ion:198 Resp: 1490

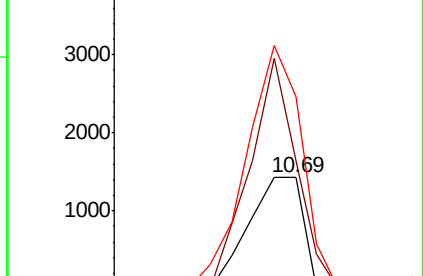
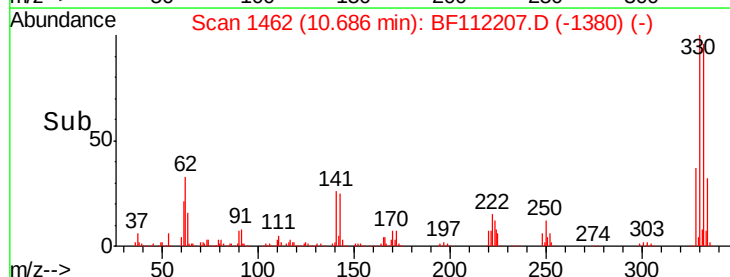
Ion	Ratio	Lower	Upper
198	100		
51	115.5	17.2	57.2#
105	172.2	21.9	61.9#

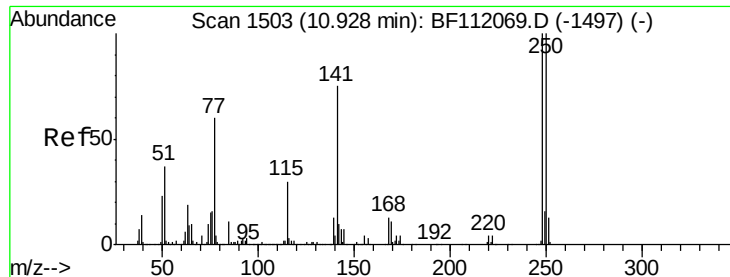


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

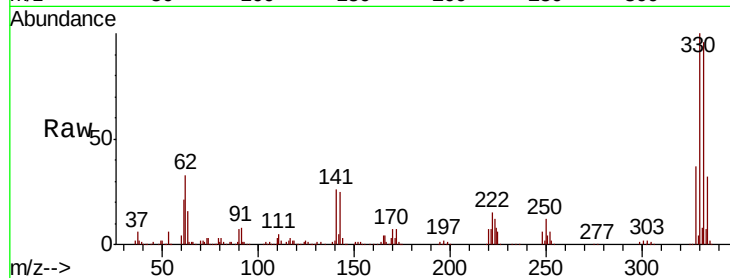




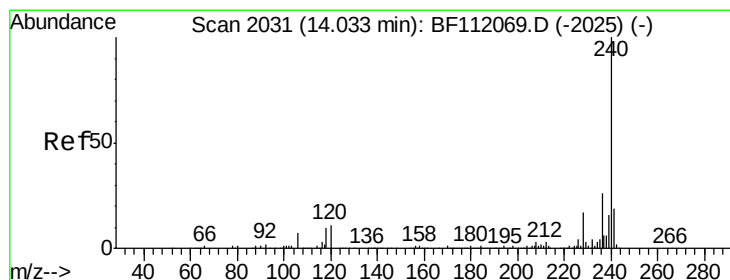
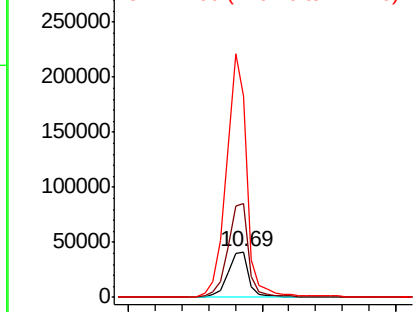
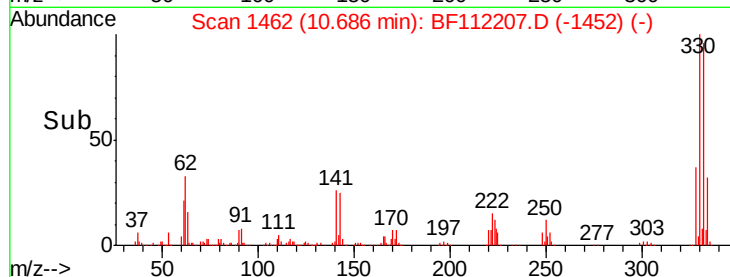
#67
 4-Bromophenyl-phenylether
 Concen: 3.771 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF112207.D
 Acq: 24 Jan 2019 14:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 46281
 Ion Ratio Lower Upper
 248 100
 250 205.9 79.7 119.5#
 141 442.6 60.3 90.5#

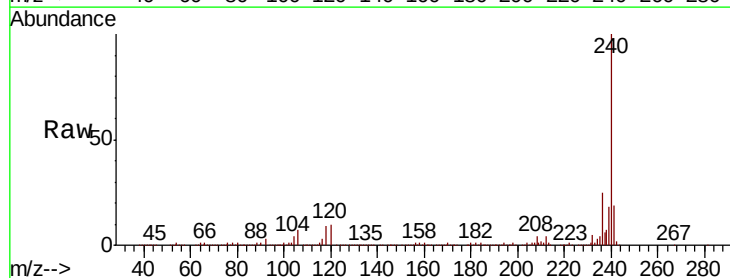


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

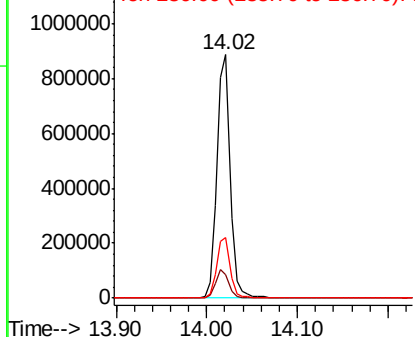
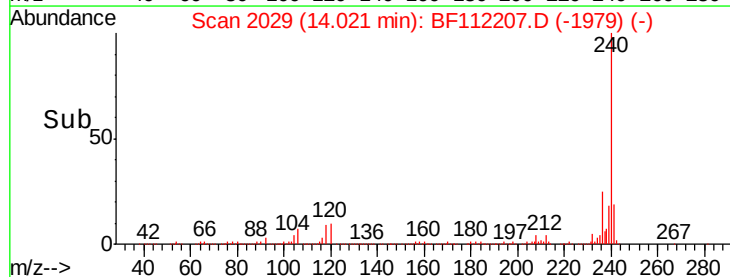


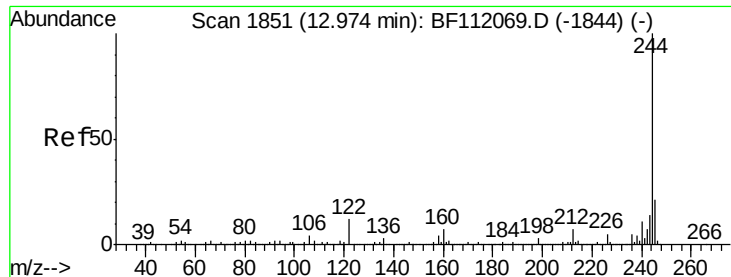
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112207.D
 Acq: 24 Jan 2019 14:23

Tgt Ion:240 Resp: 893564
 Ion Ratio Lower Upper
 240 100
 120 9.8 9.0 13.6
 236 25.0 20.7 31.1



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: 75.021 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

Instrument :

BNA_F

ClientSampleId :

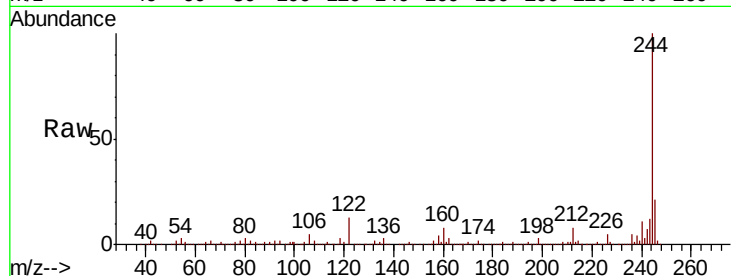
Tot Ion:244 Resp: 3151107

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

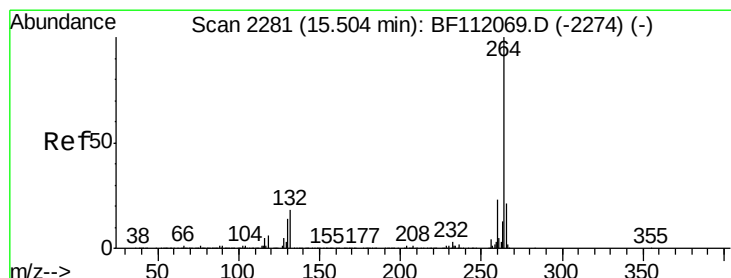
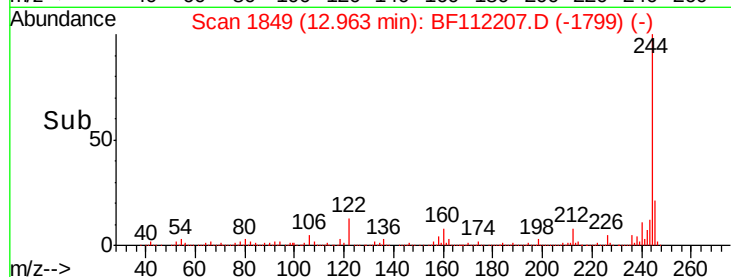
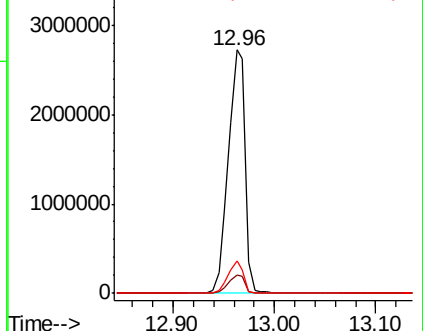
122 13.1 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF112207.D

Acq: 24 Jan 2019 14:23

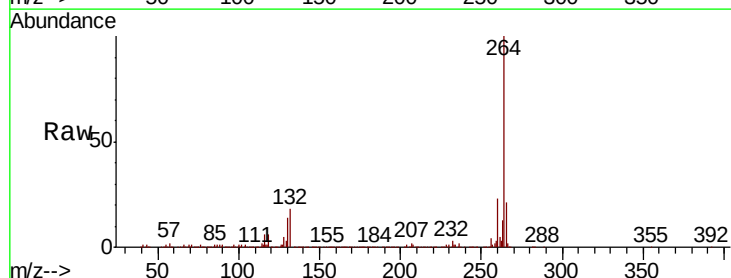
Tgt Ion:264 Resp: 774234

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 21.3 17.0 25.4



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

