

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116557.D
 Acq On : 26 Aug 2019 5:29
 Operator : HP/JU
 Sample : K4510-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:33:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

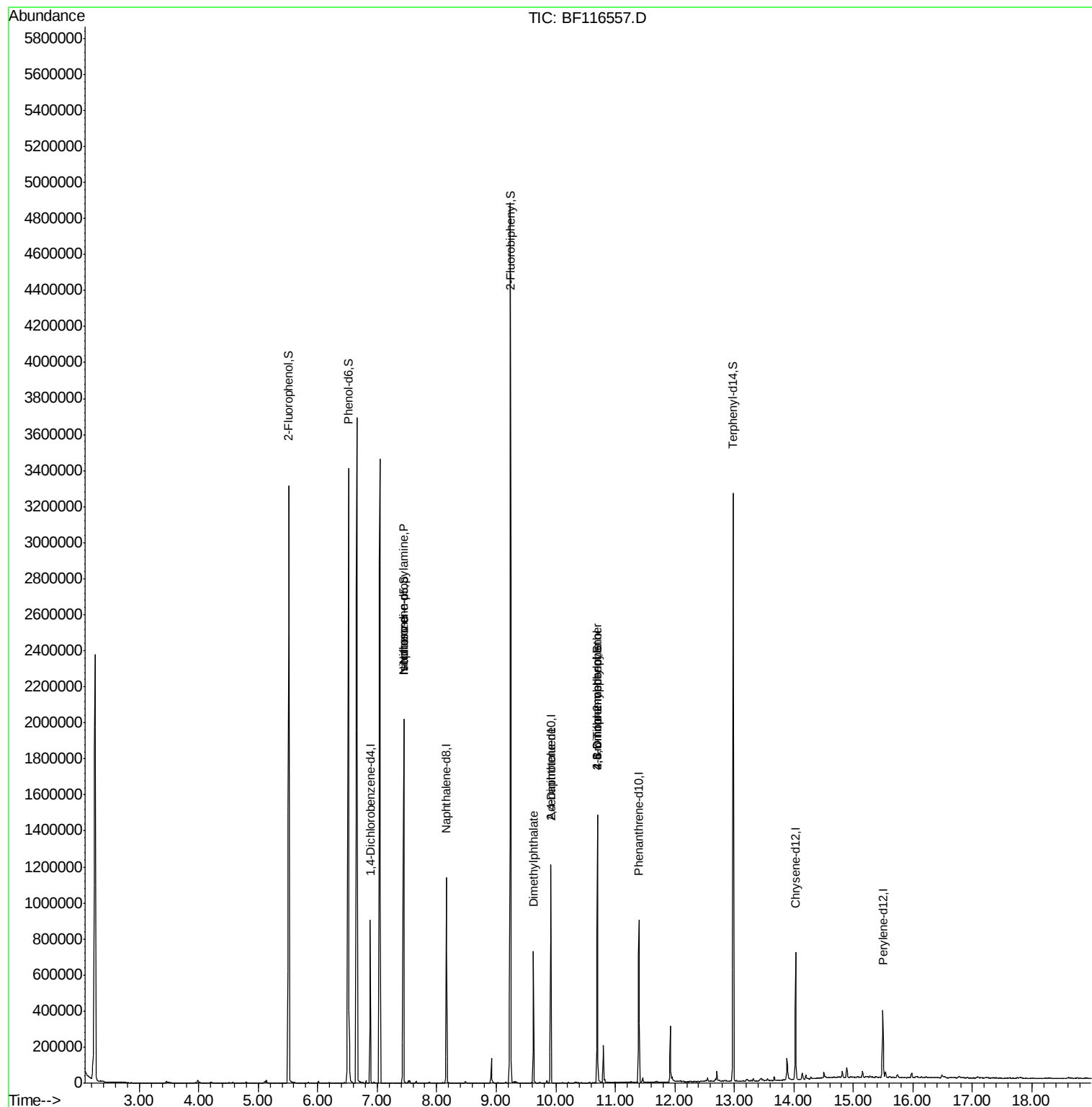
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	134533	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	491670	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	221851	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	303277	20.00	ng	0.00
76) Chrysene-d12	14.03	240	207749	20.00	ng	0.00
87) Perylene-d12	15.50	264	176272	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1008368	109.52	ng	0.02
7) Phenol-d6	6.52	99	1335335	118.28	ng	0.01
23) Nitrobenzene-d5	7.45	82	811297	90.28	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	154818	81.27	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1532885	111.27	ng	0.00
79) Terphenyl-d14	12.98	244	1117113	100.44	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	110241	14.310	ng	# 78
25) Isophorone	7.45	82	808916	45.676	ng	# 67
50) Dimethylphthalate	9.63	163	288075	18.611	ng	# 98
57) 2,4-Dinitrotoluene	9.92	165	28693	7.117	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	161	7.116	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	10106	3.178	ng	# 1

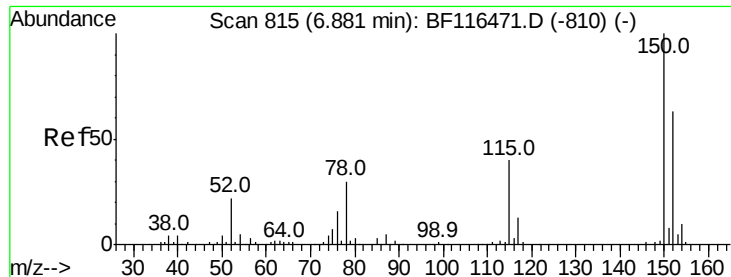
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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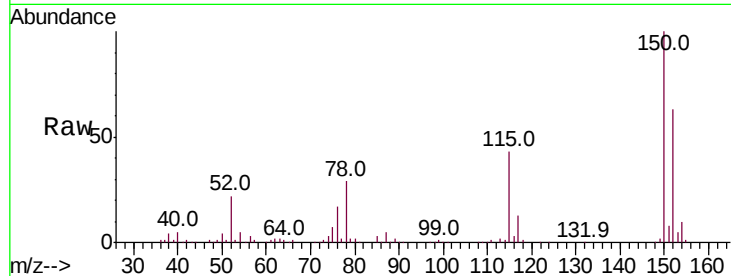


#1

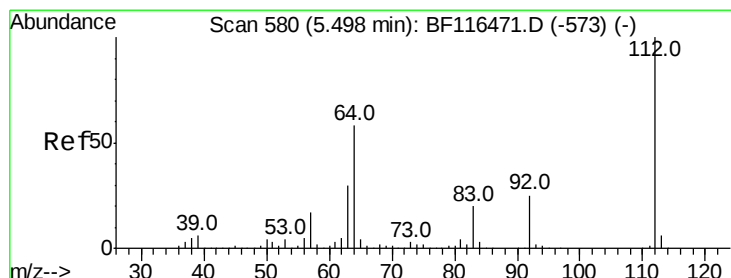
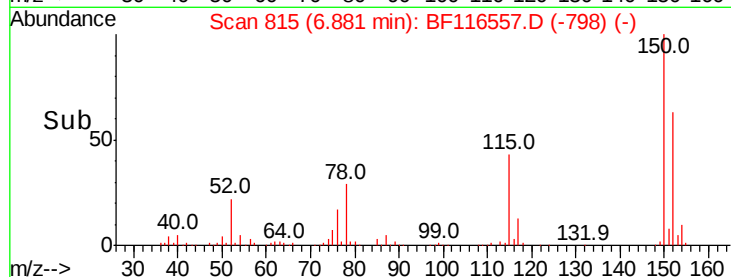
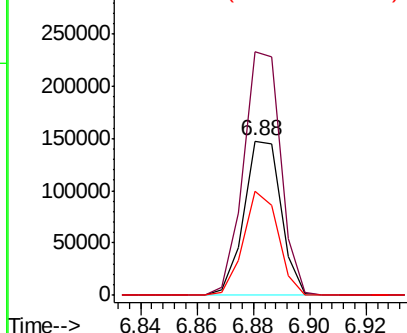
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF116557.D
 Acq: 26 Aug 2019 5:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134533
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.7 190.1
 115 67.4 50.9 76.3



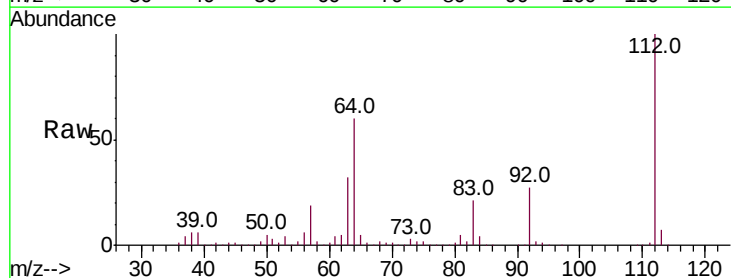
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



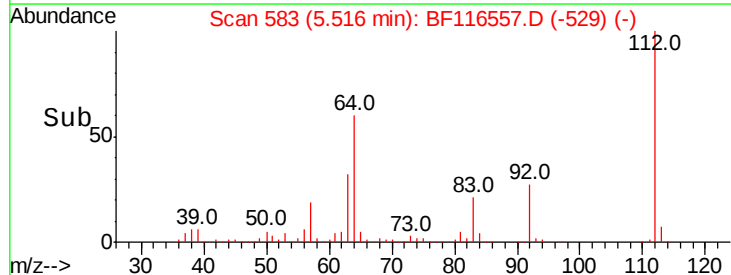
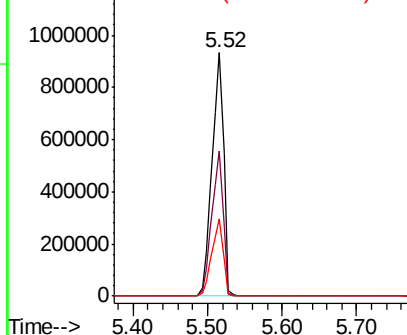
#5

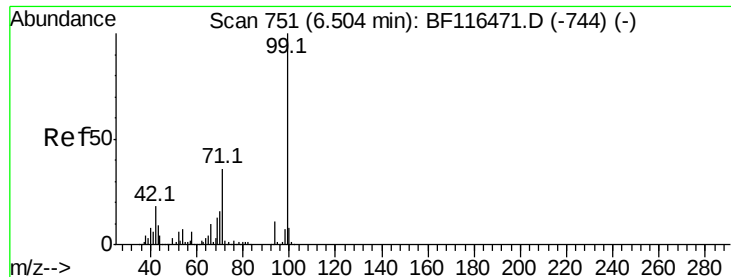
2-Fluorophenol
 Concen: 109.518 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.02 min
 Lab File: BF116557.D
 Acq: 26 Aug 2019 5:29

Tgt Ion:112 Resp: 1008368
 Ion Ratio Lower Upper
 112 100
 64 59.8 46.3 69.5
 63 31.7 24.2 36.4



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: 118.280 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

Instrument :

BNA_F

ClientSampleId :

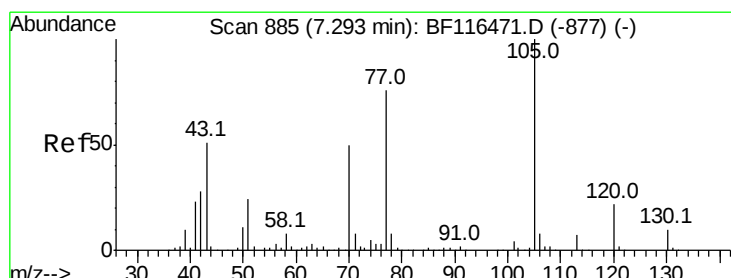
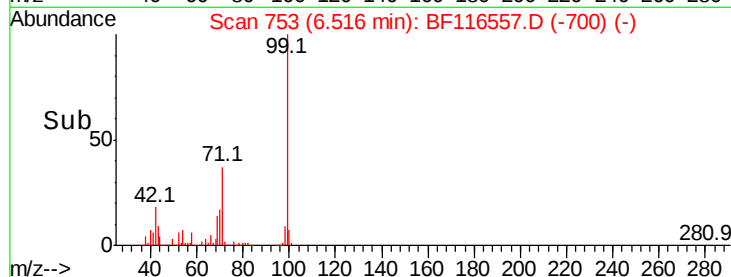
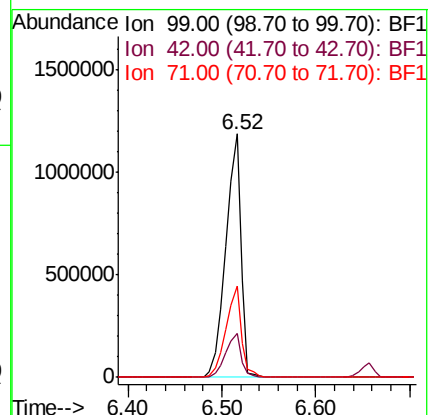
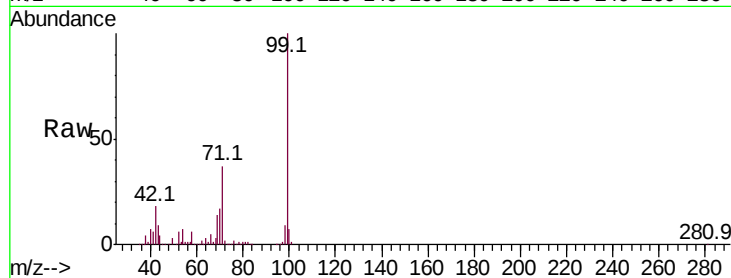
Tot Ion: 99 Resp: 1335335

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

71 37.5 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.310 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

Tgt Ion: 70 Resp: 110241

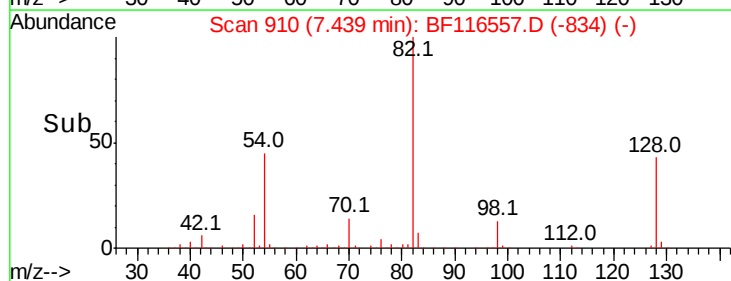
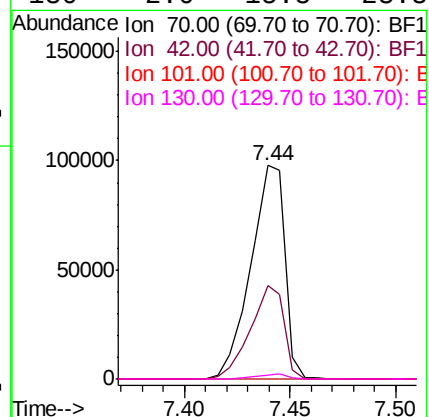
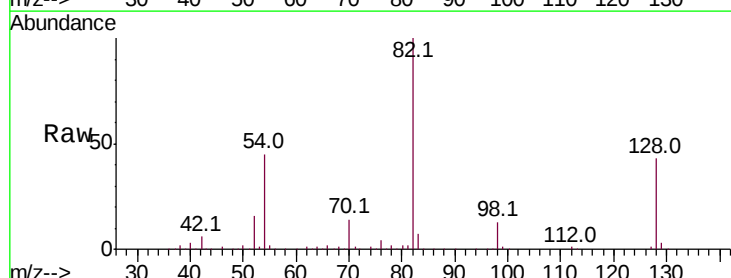
Ion Ratio Lower Upper

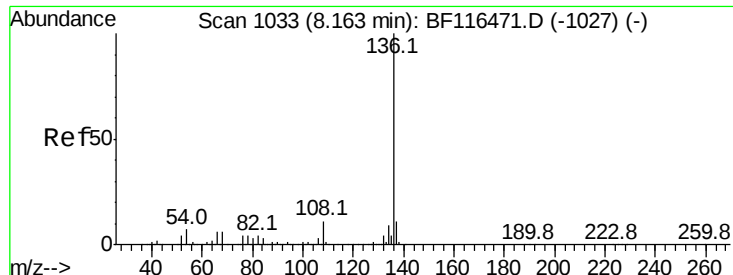
70 100

42 44.0 44.4 66.6#

101 0.0 7.1 10.7#

130 2.0 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 491670

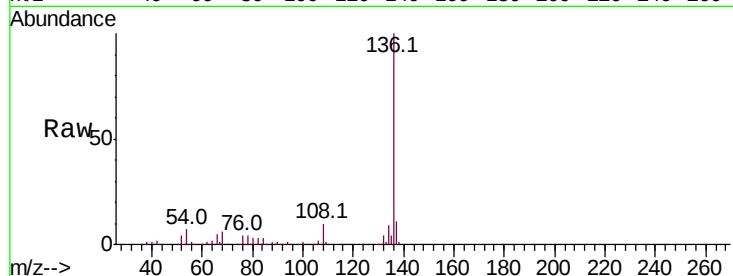
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.0 5.8 8.6

68 6.0 5.1 7.7

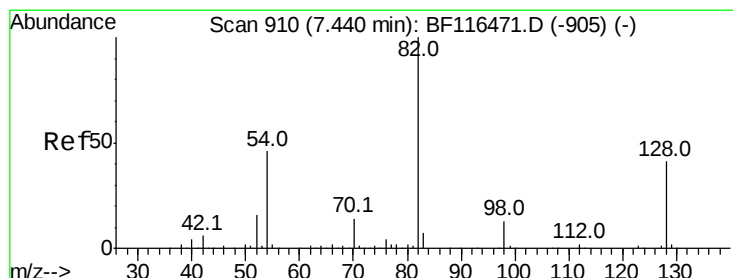
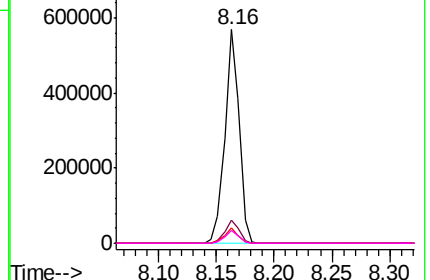
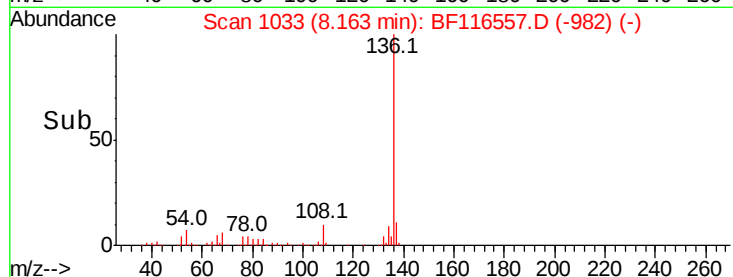


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.276 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

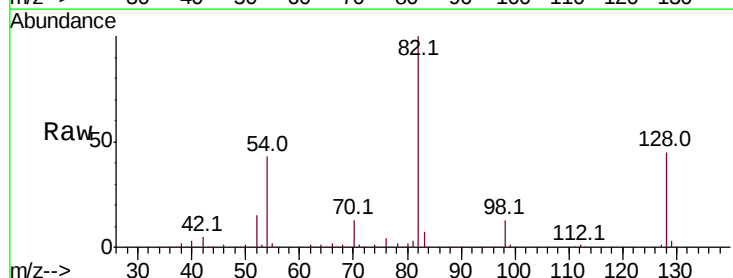
Tgt Ion: 82 Resp: 811297

Ion Ratio Lower Upper

82 100

128 44.7 32.2 48.4

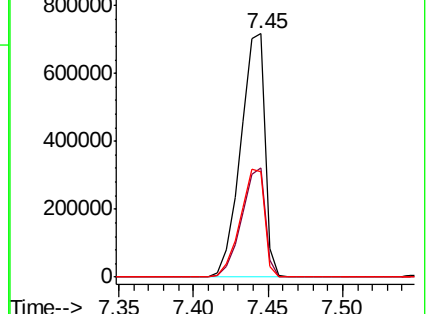
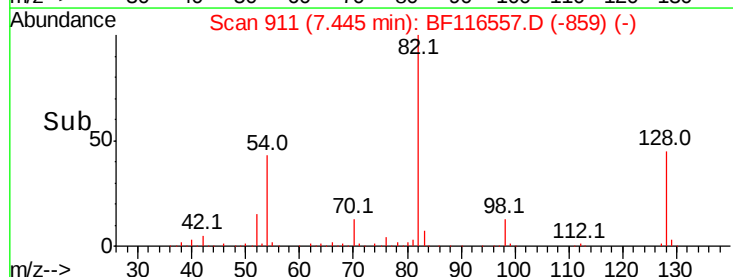
54 43.3 36.5 54.7

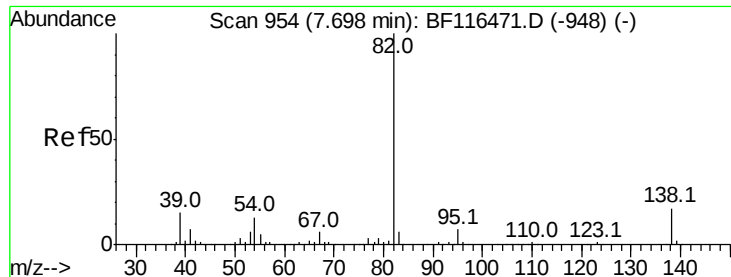


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.676 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

Instrument :

BNA_F

ClientSampleId :

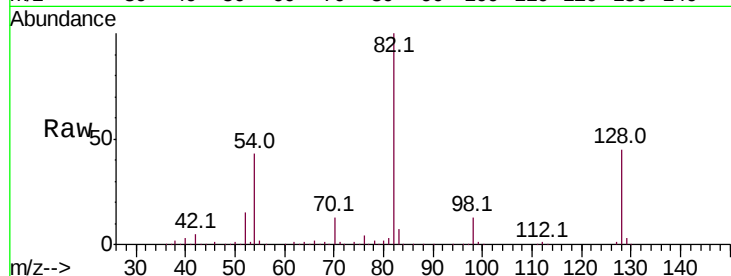
Tot Ion: 82 Resp: 808916

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

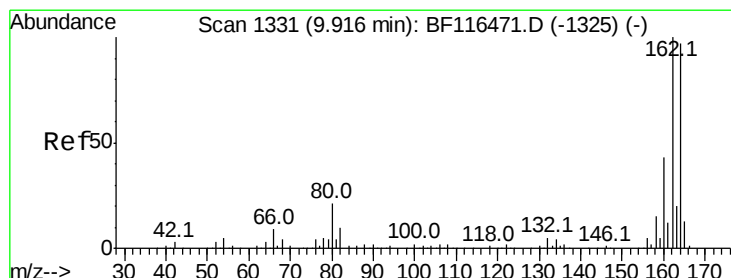
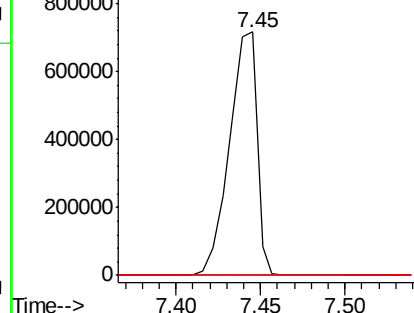
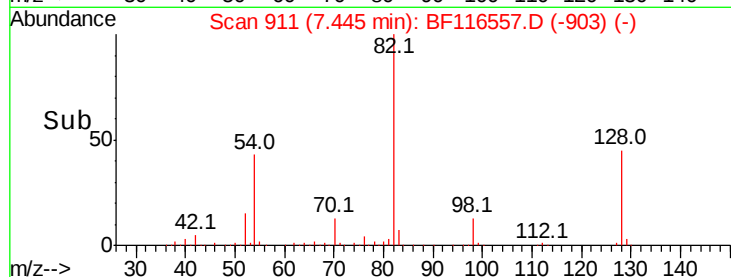
138 0.0 13.3 19.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

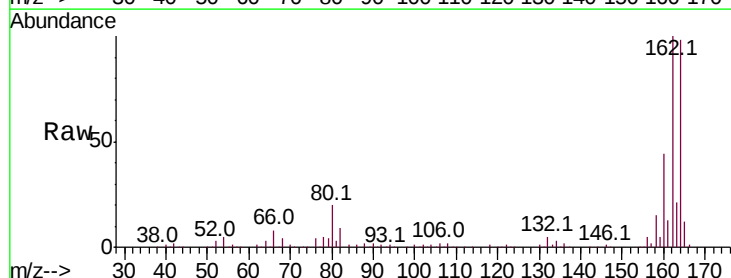
Tgt Ion:164 Resp: 221851

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

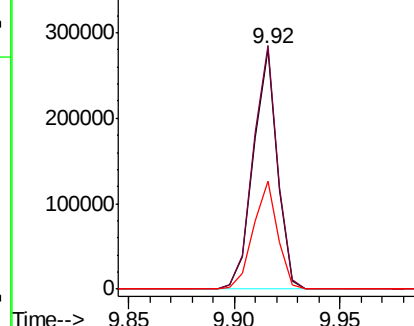
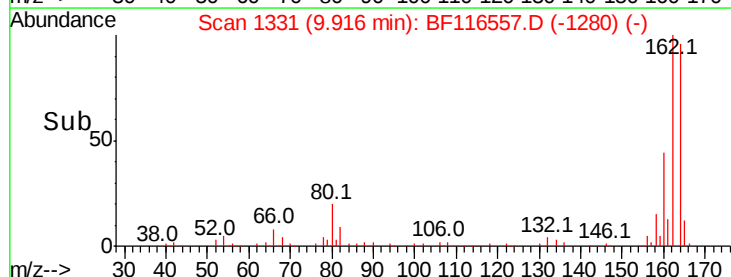
160 44.9 35.8 53.8

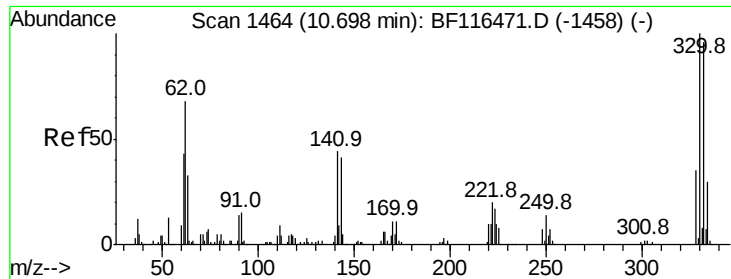


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

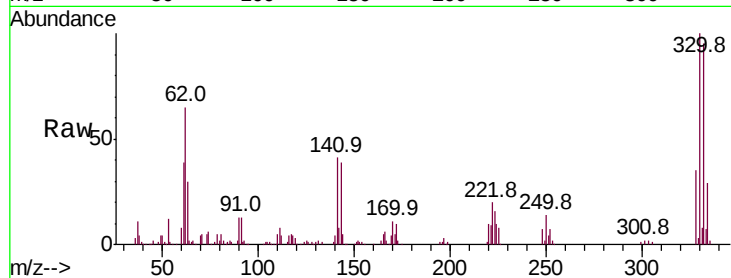




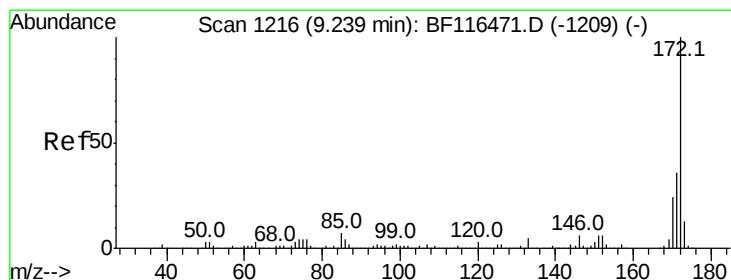
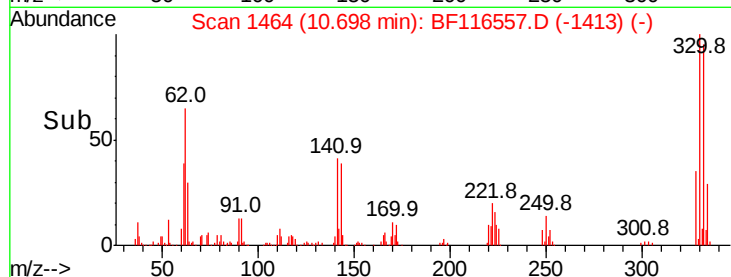
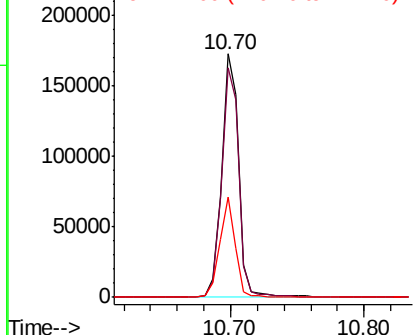
#42
 2,4,6-Tribromophenol
 Concen: 81.270 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116557.D
 Acq: 26 Aug 2019 5:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	38.0	33.3	49.9

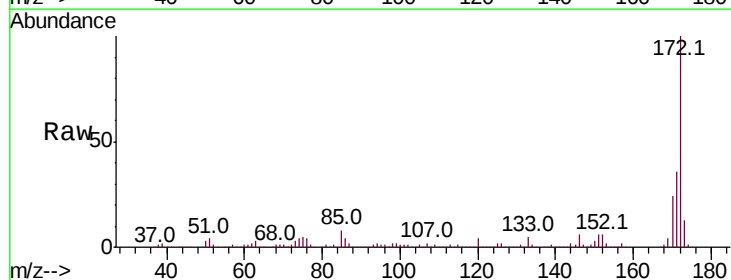


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

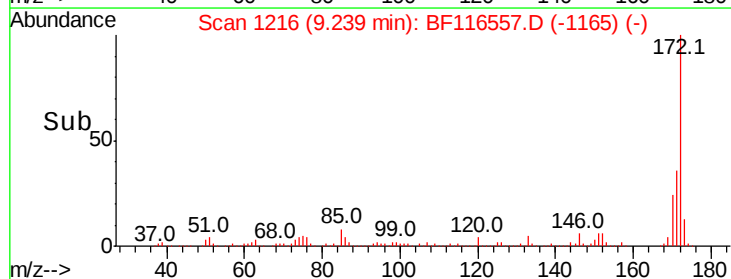
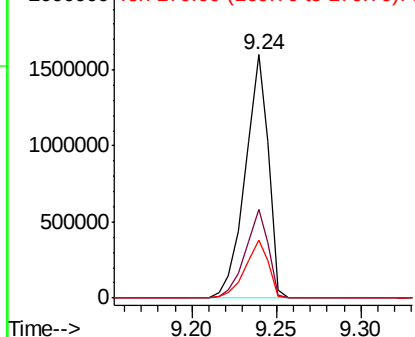


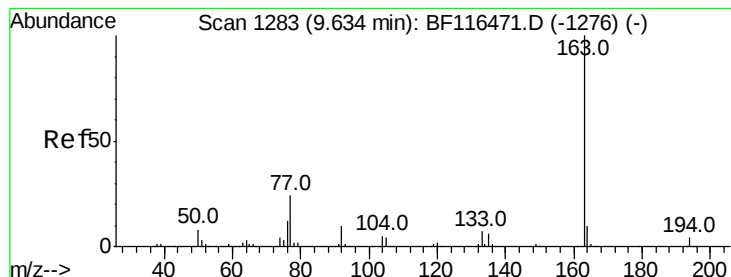
#45
 2-Fluorobiphenyl
 Concen: 111.271 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116557.D
 Acq: 26 Aug 2019 5:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	23.9	19.4	29.0



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





#50

Dimethylphthalate

Concen: 18.611 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

Instrument :

BNA_F

ClientSampleId :

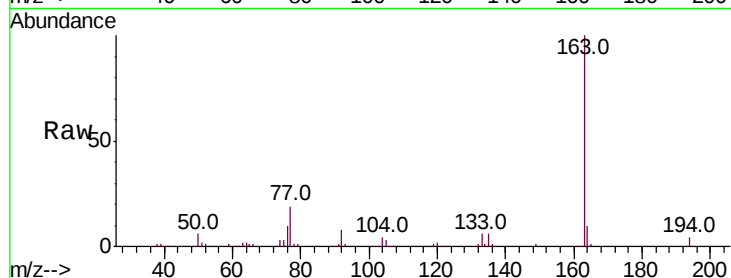
Tot Ion:163 Resp: 288075

Ion Ratio Lower Upper

163 100

194 4.1 2.9 4.3

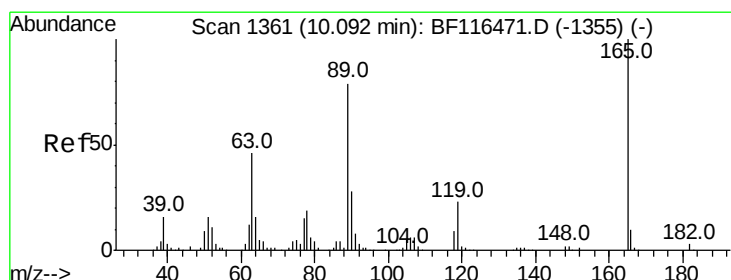
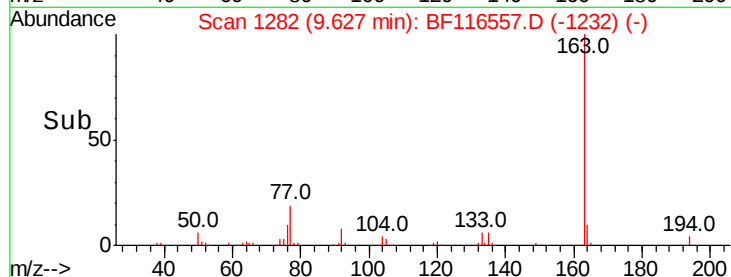
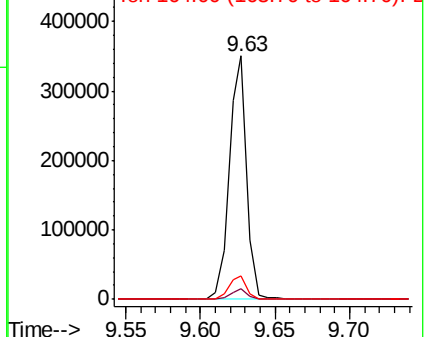
164 9.6 8.2 12.2



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: 7.117 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.18 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

Tgt Ion:165 Resp: 28693

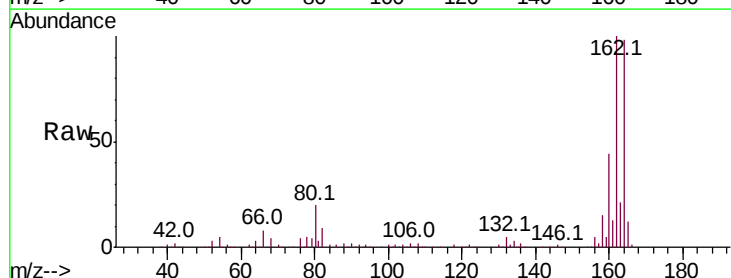
Ion Ratio Lower Upper

165 100

63 1.3 36.9 55.3#

89 1.4 63.4 95.0#

182 0.0 2.1 3.1#

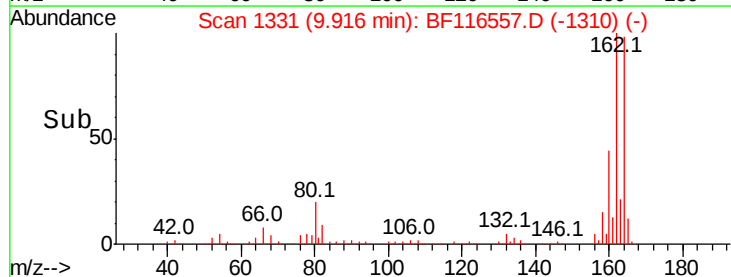
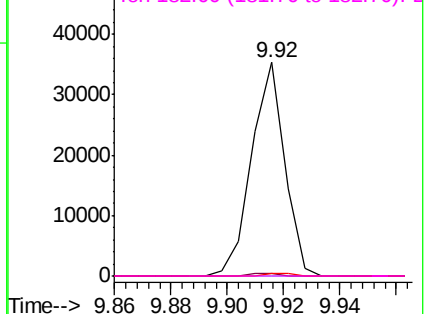


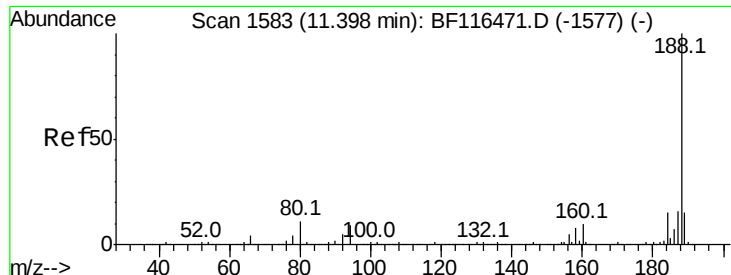
Abundance Ion 165.00 (164.70 to 165.70): E

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

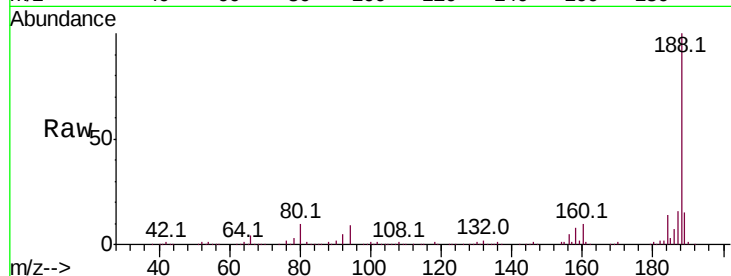




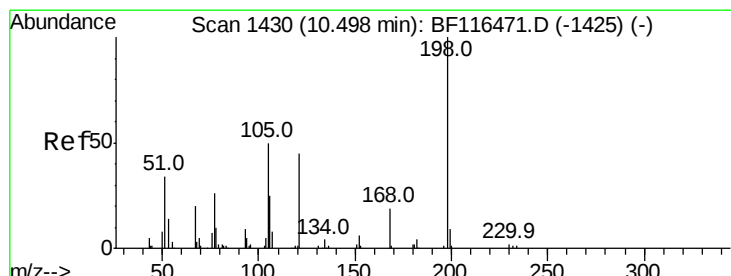
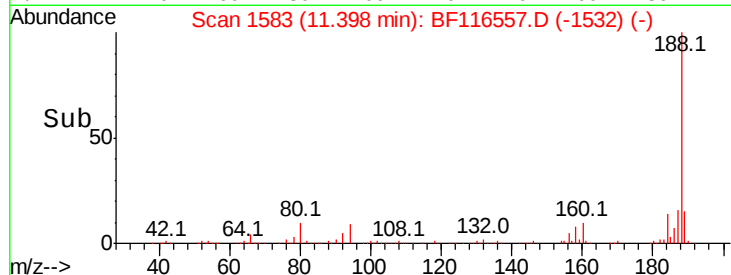
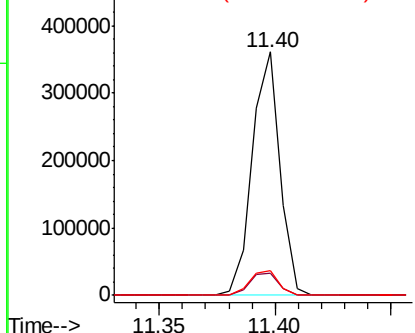
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116557.D
 Acq: 26 Aug 2019 5:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	188	Resp:	303277
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	9.9	8.6	12.8

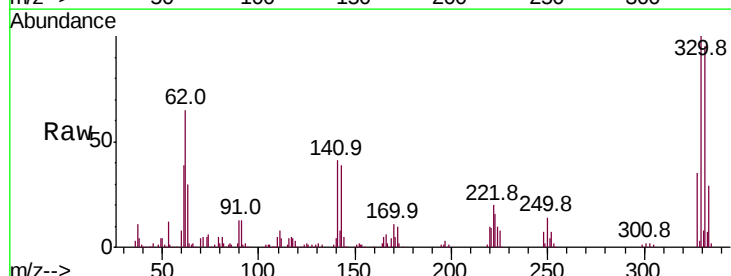


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

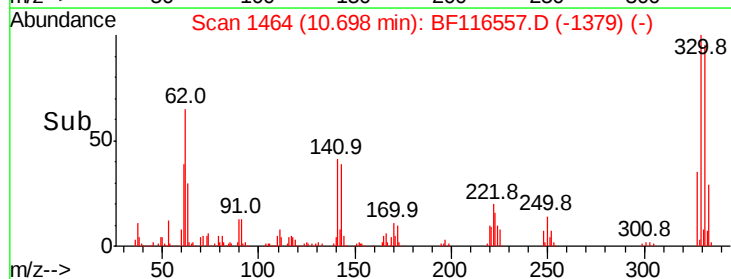
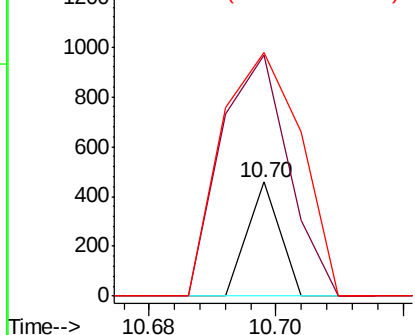


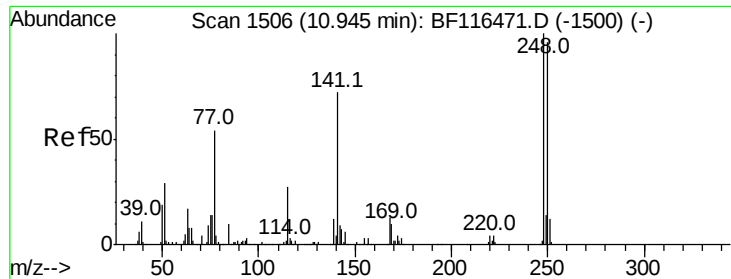
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.116 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF116557.D
 Acq: 26 Aug 2019 5:29

Tgt Ion:	198	Resp:	161
Ion	Ratio	Lower	Upper
198	100		
51	212.3	30.4	70.4#
105	213.8	32.8	72.8#



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

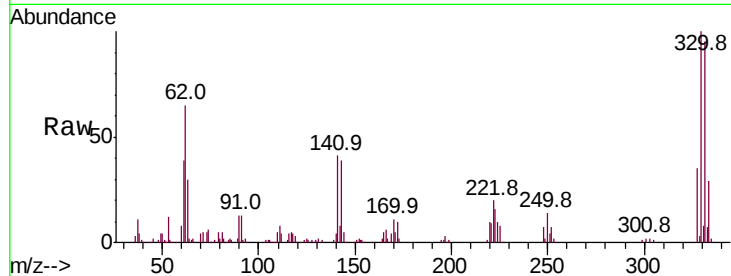




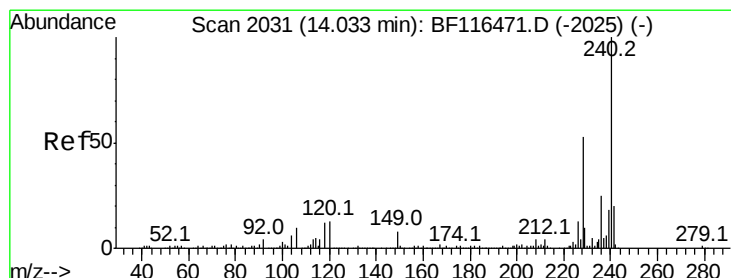
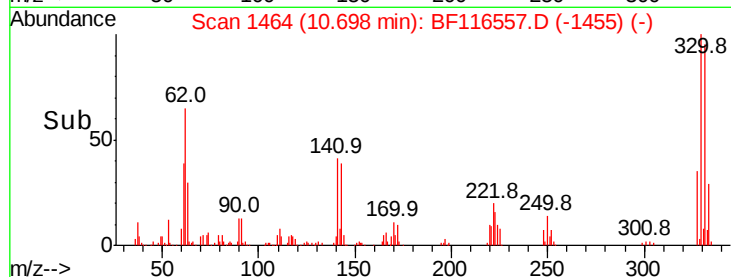
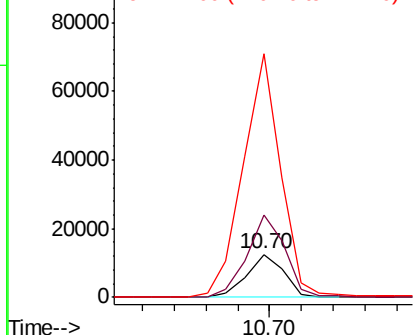
#67
4-Bromophenyl-phenylether
Concen: 3.178 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF116557.D
Acq: 26 Aug 2019 5:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 10106
Ion Ratio Lower Upper
248 100
250 191.4 77.0 115.6#
141 569.8 57.4 86.0#

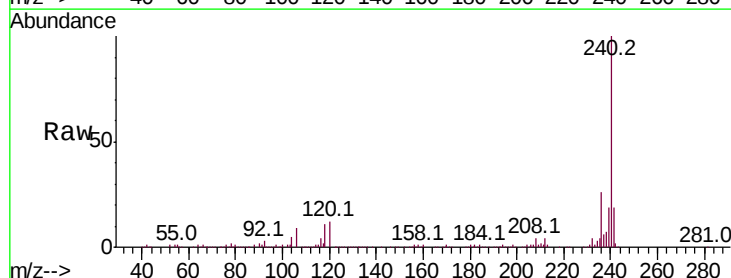


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

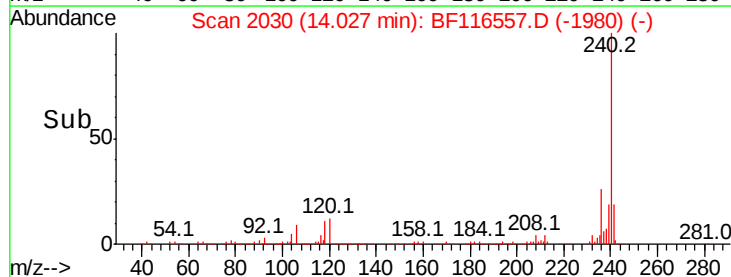
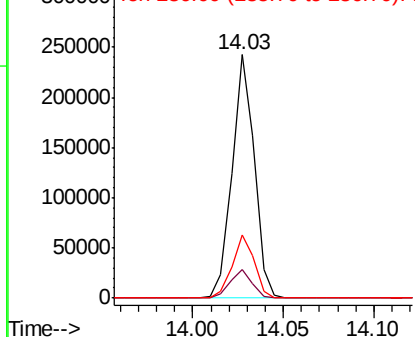


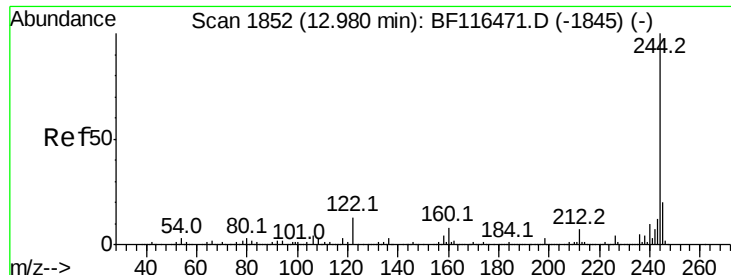
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116557.D
Acq: 26 Aug 2019 5:29

Tgt Ion:240 Resp: 207749
Ion Ratio Lower Upper
240 100
120 11.8 10.5 15.7
236 25.7 20.2 30.2



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: 100.441 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

Instrument :

BNA_F

ClientSampleId :

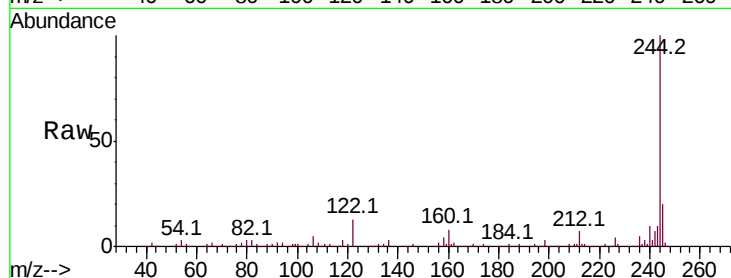
Tot Ion:244 Resp: 1117113

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

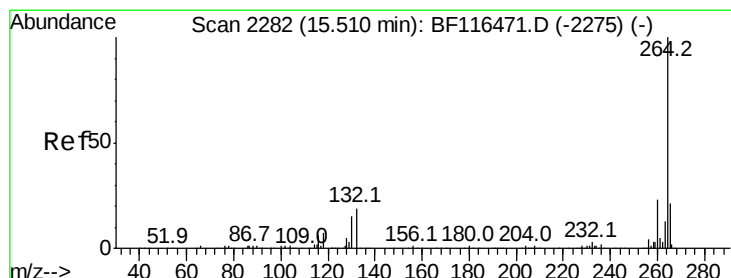
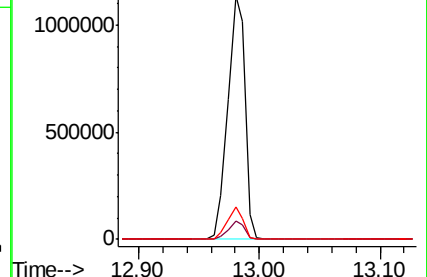
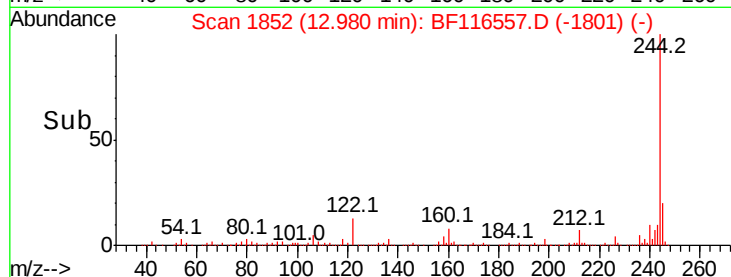
122 13.2 10.2 15.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116557.D

Acq: 26 Aug 2019 5:29

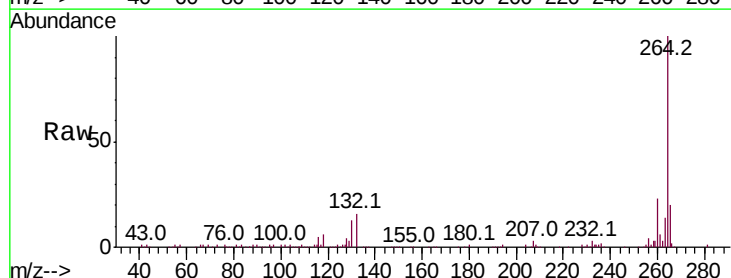
Tgt Ion:264 Resp: 176272

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 20.4 17.1 25.7



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

