

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116554.D
 Acq On : 26 Aug 2019 4:08
 Operator : HP/JU
 Sample : K4510-14
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:32:55 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

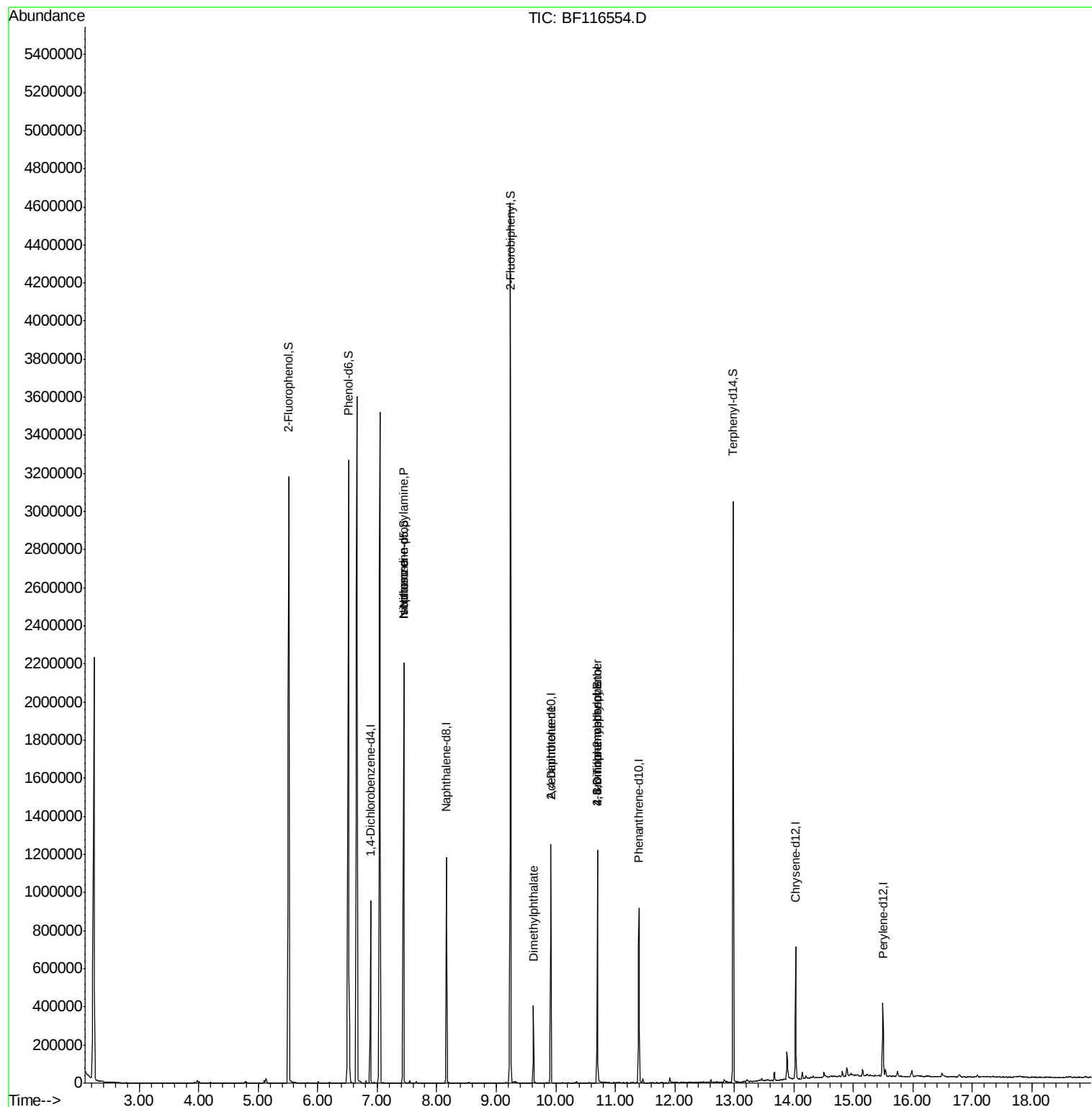
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	139307	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	503905	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	225537	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	303477	20.00	ng	0.00
76) Chrysene-d12	14.03	240	212672	20.00	ng	0.00
87) Perylene-d12	15.50	264	179965	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1008051	105.73	ng	0.02
7) Phenol-d6	6.52	99	1363161	116.61	ng	0.01
23) Nitrobenzene-d5	7.45	82	819139	88.94	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	126555	65.35	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1394057	99.54	ng	0.00
79) Terphenyl-d14	12.98	244	967327	84.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	108703	13.627	ng	# 77
25) Isophorone	7.45	82	816711	44.996	ng	# 67
50) Dimethylphthalate	9.63	163	167195	10.625	ng	# 99
57) 2,4-Dinitrotoluene	9.92	165	29275	7.143	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	124	7.090	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	8173	2.569	ng	# 1

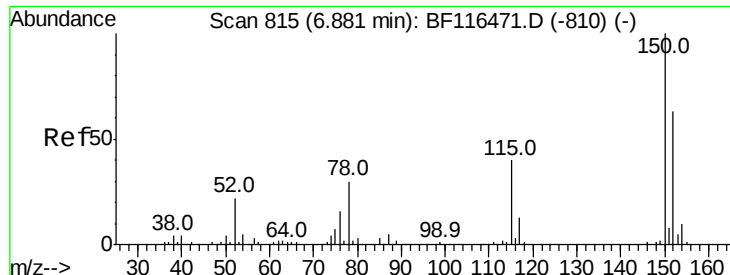
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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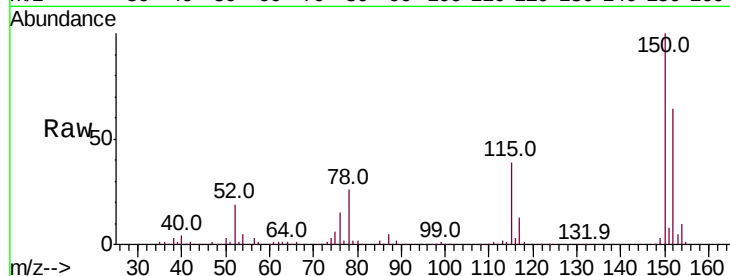


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116554.D
Acq: 26 Aug 2019 4:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.7	190.1
115	61.3	50.9	76.3

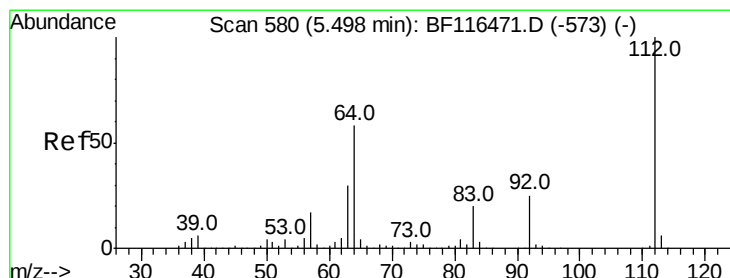
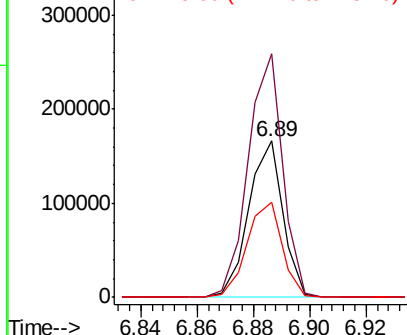
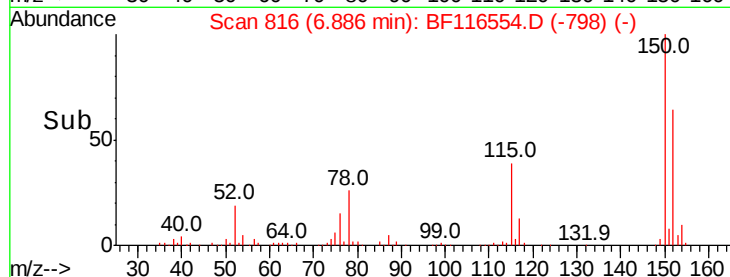


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

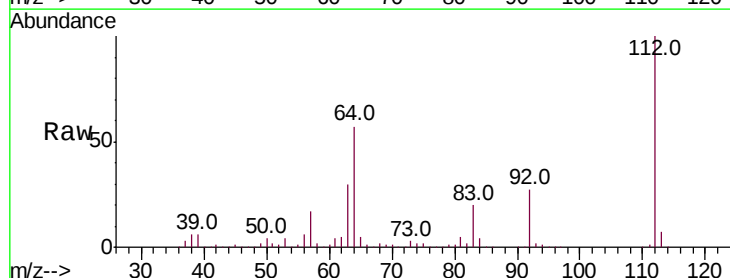
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.731 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116554.D
Acq: 26 Aug 2019 4:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.3	69.5
63	30.3	24.2	36.4

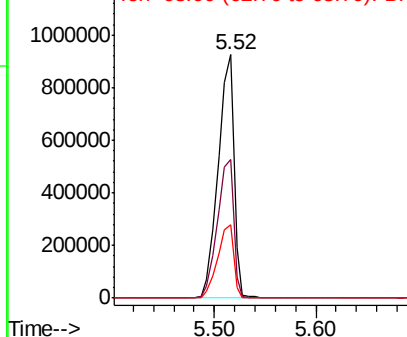
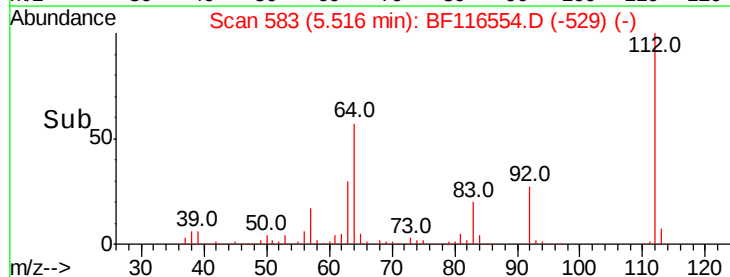


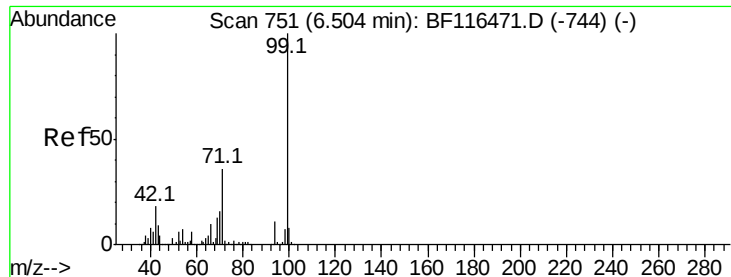
Abundance

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: 116.607 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

Instrument :

BNA_F

ClientSampleId :

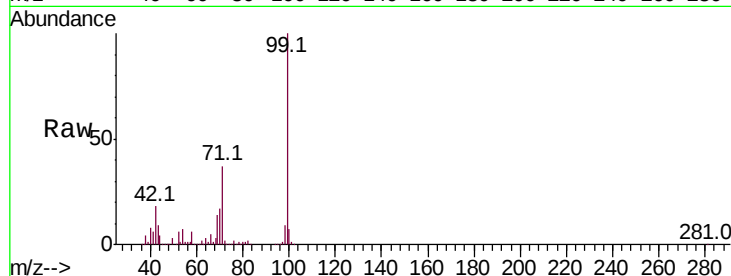
Tot Ion: 99 Resp: 1363161

Ion Ratio Lower Upper

99 100

42 18.5 14.6 21.8

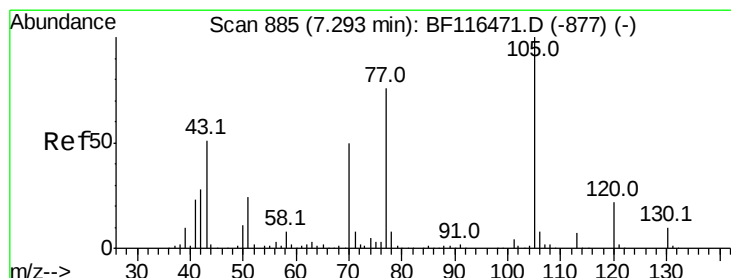
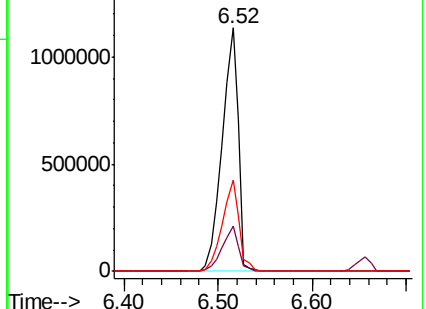
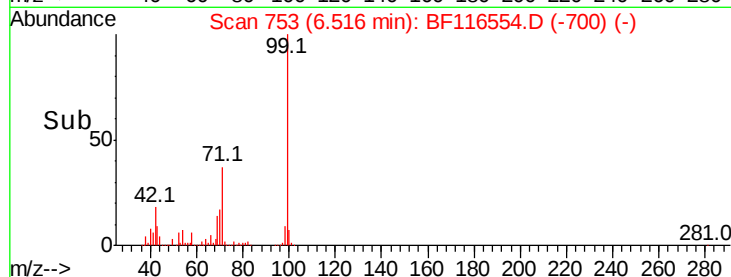
71 37.5 28.5 42.7



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: 13.627 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

Tgt Ion: 70 Resp: 108703

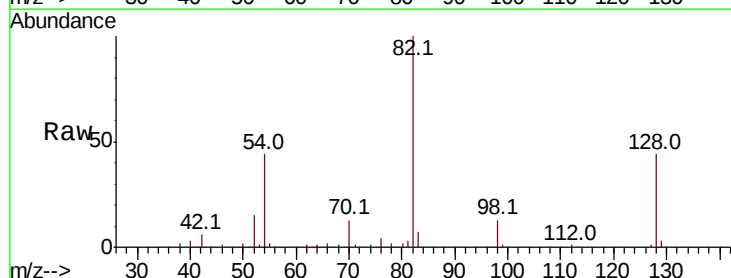
Ion Ratio Lower Upper

70 100

42 43.2 44.4 66.6#

101 0.0 7.1 10.7#

130 2.2 15.8 23.8#

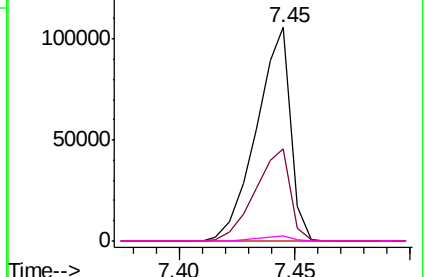
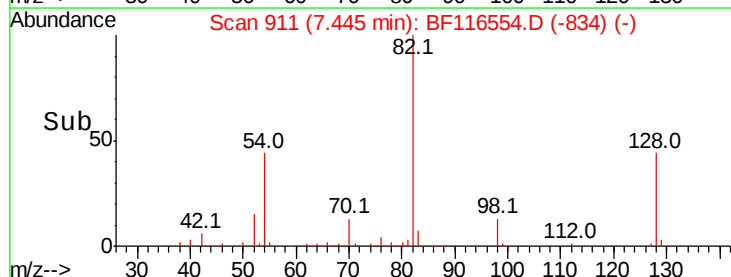


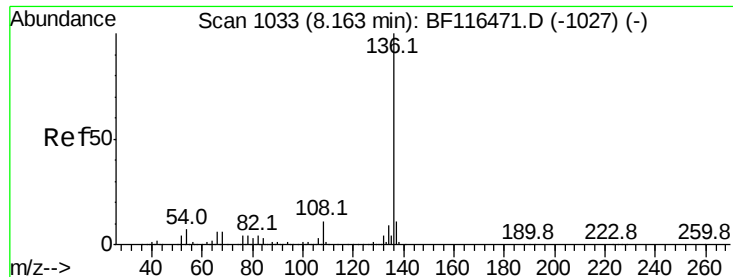
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 503905

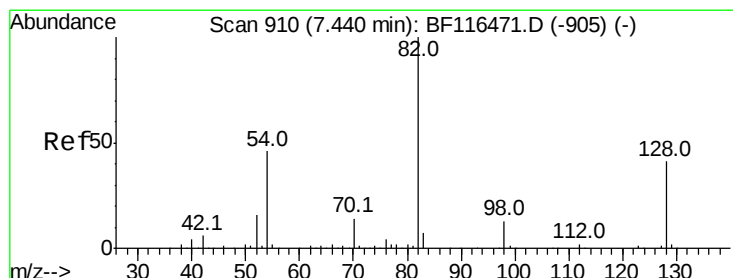
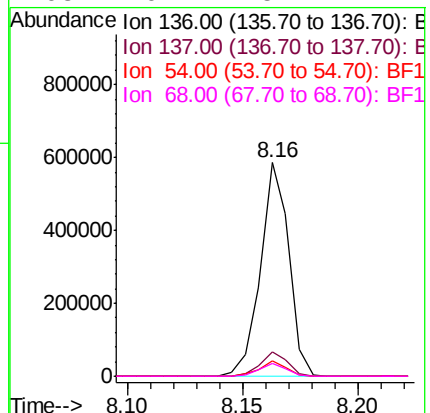
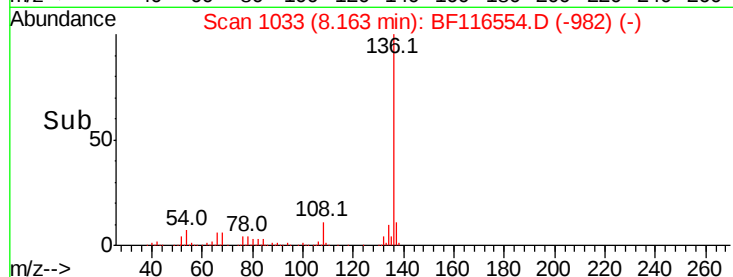
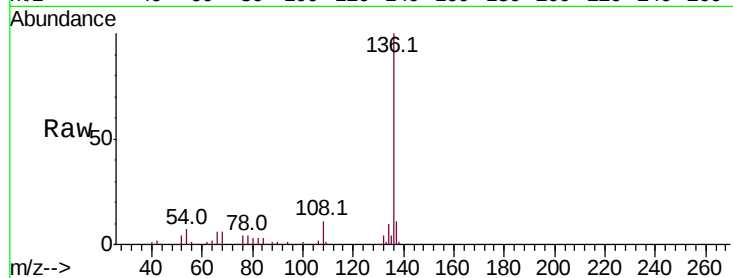
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 7.2 5.8 8.6

68 6.1 5.1 7.7



#23

Nitrobenzene-d5

Concen: 88.936 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

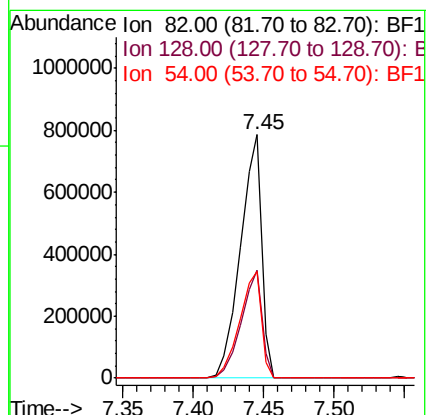
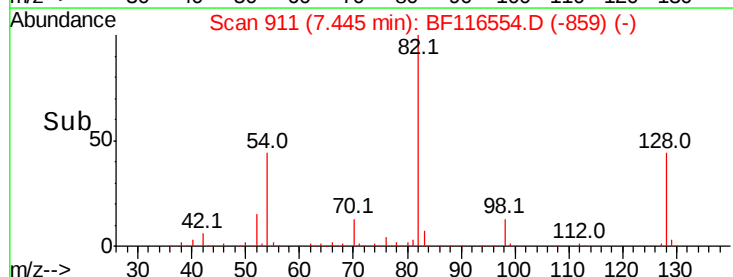
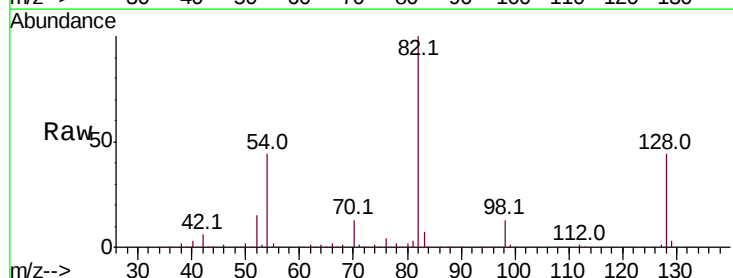
Tgt Ion: 82 Resp: 819139

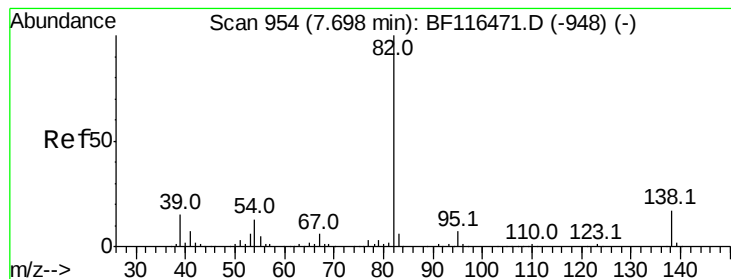
Ion Ratio Lower Upper

82 100

128 44.2 32.2 48.4

54 43.6 36.5 54.7





#25

Isophorone

Concen: 44.996 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

Instrument :

BNA_F

ClientSampled :

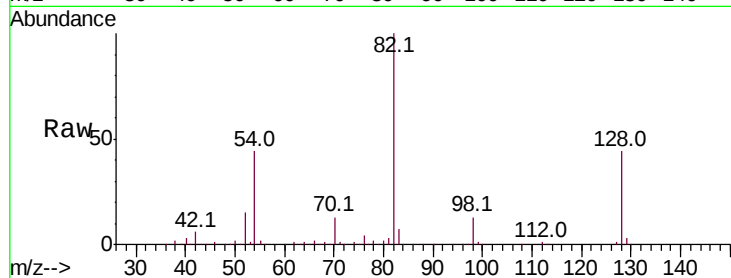
Tot Ion: 82 Resp: 816711

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

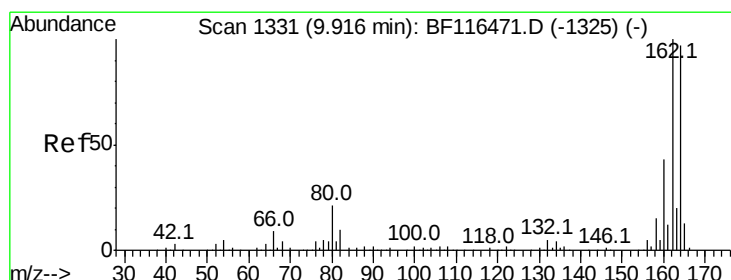
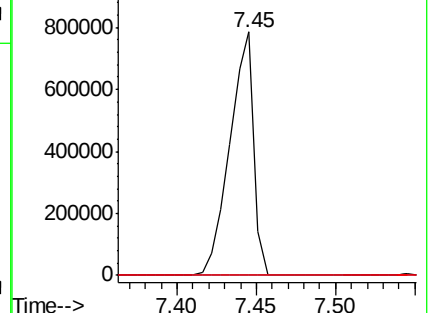
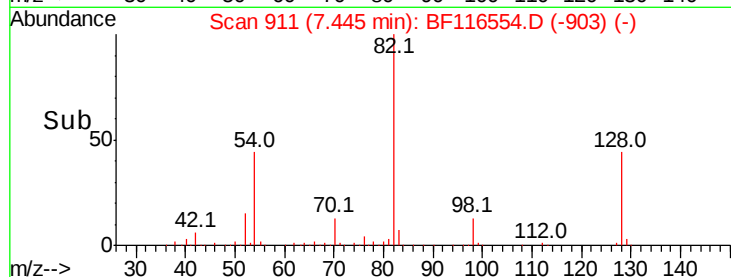
138 0.0 13.3 19.9#



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: BF116554.D

Acq: 26 Aug 2019 4:08

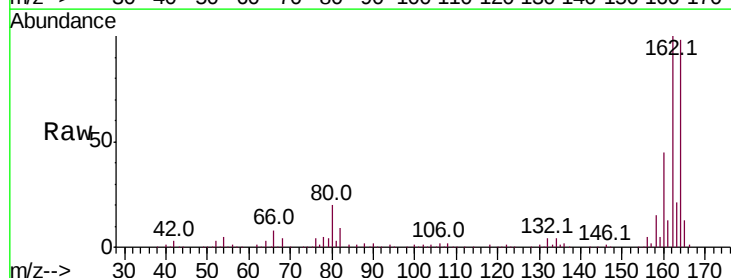
Tgt Ion:164 Resp: 225537

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

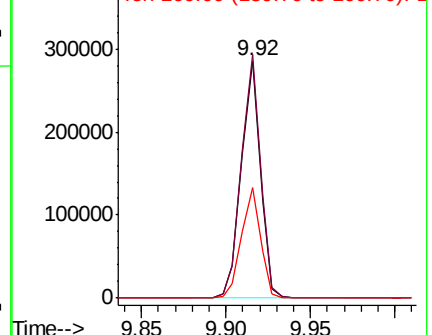
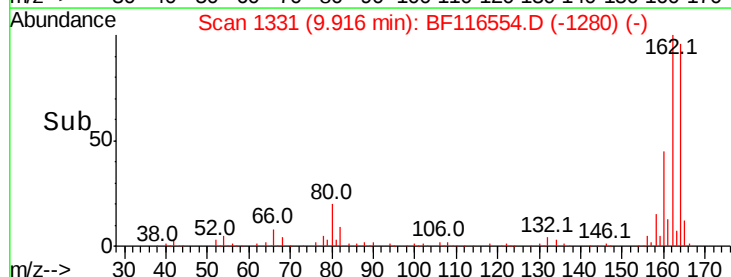
160 46.4 35.8 53.8

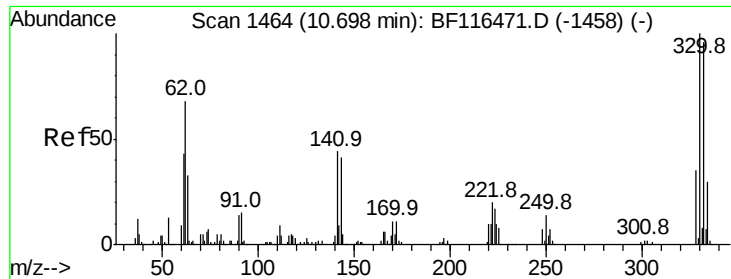


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

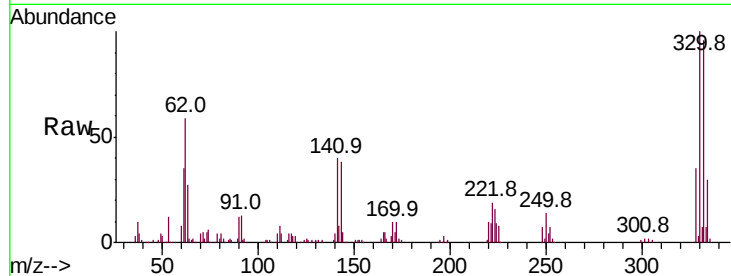




#42
 2,4,6-Tribromophenol
 Concen: 65.348 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116554.D
 Acq: 26 Aug 2019 4:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.2	115.8
141	38.5	33.3	49.9

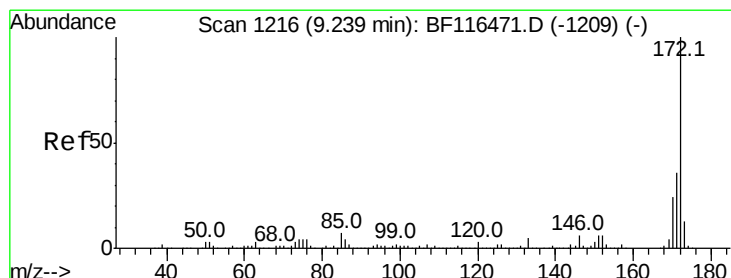
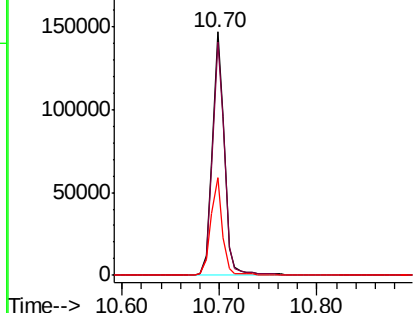
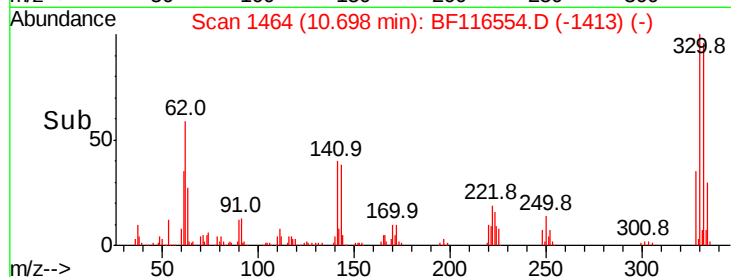


Abundance

Ion 329.80 (329.50 to 330.50): E

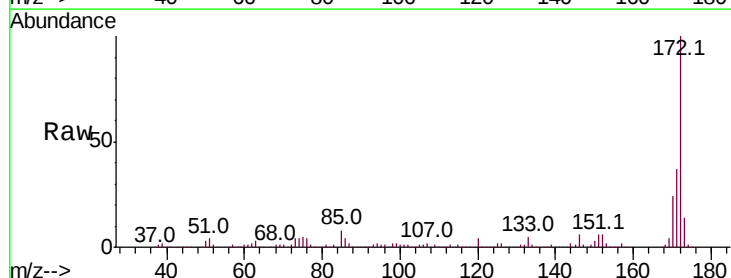
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 99.540 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116554.D
 Acq: 26 Aug 2019 4:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.9	43.3
170	24.3	19.4	29.0

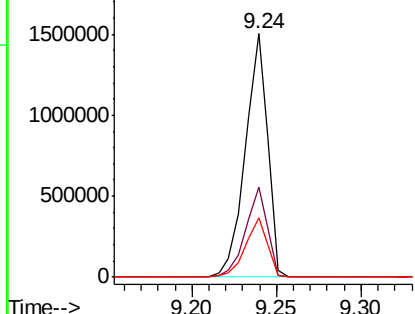
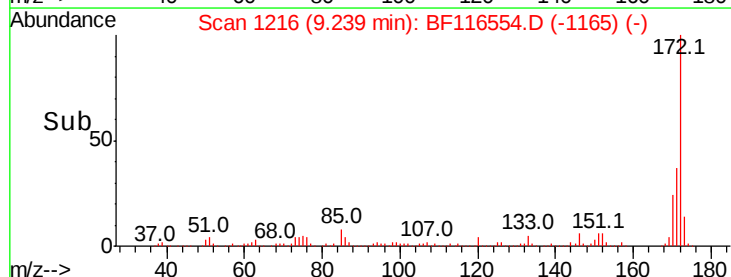


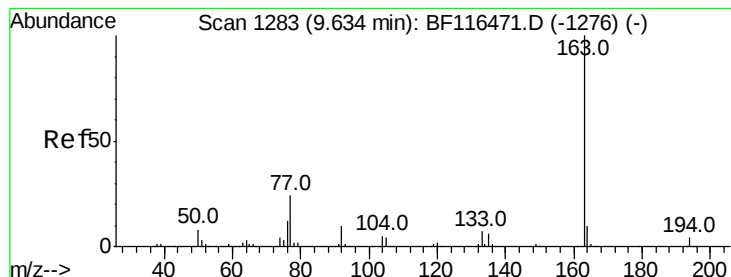
Abundance

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: 10.625 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

Instrument :

BNA_F

ClientSampleId :

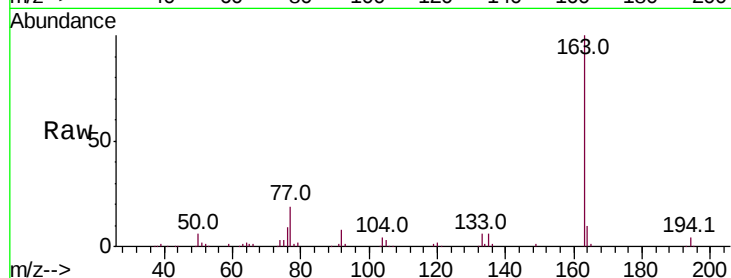
Tot Ion:163 Resp: 167195

Ion Ratio Lower Upper

163 100

194 4.1 2.9 4.3

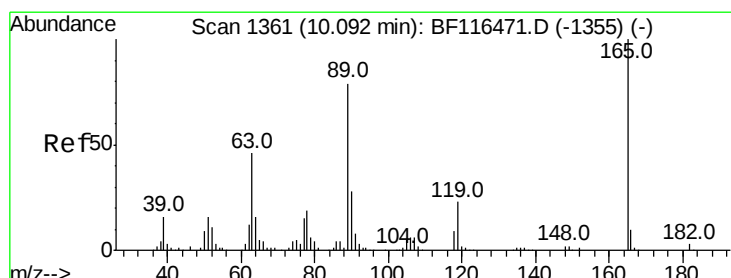
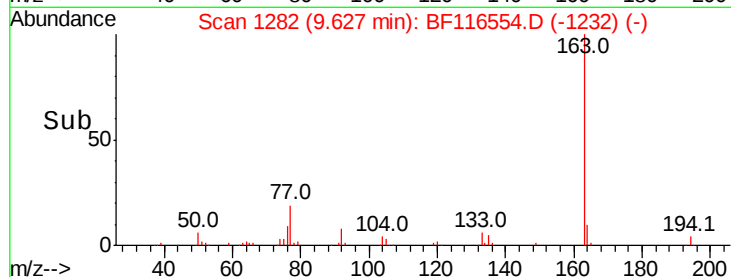
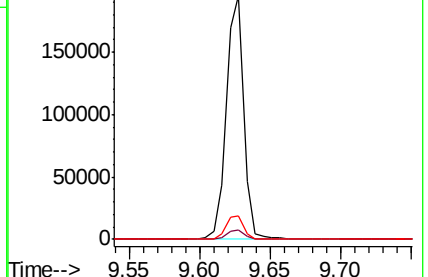
164 9.8 8.2 12.2



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: 7.143 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.18 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

Tgt Ion:165 Resp: 29275

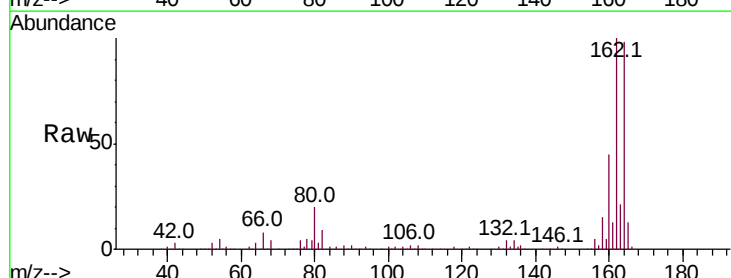
Ion Ratio Lower Upper

165 100

63 1.2 36.9 55.3#

89 1.6 63.4 95.0#

182 0.0 2.1 3.1#

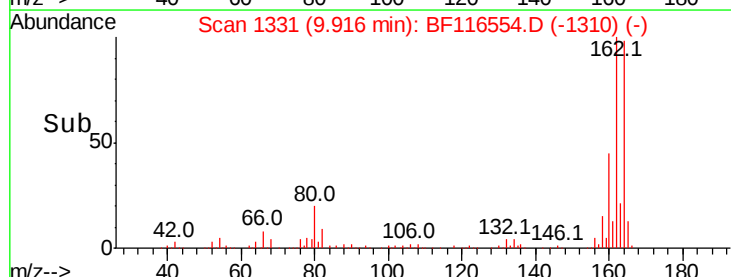
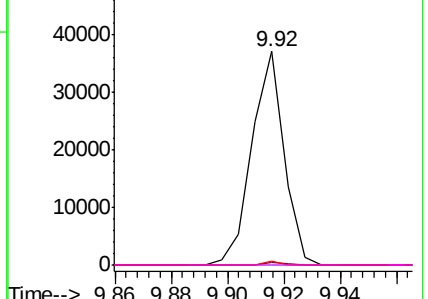


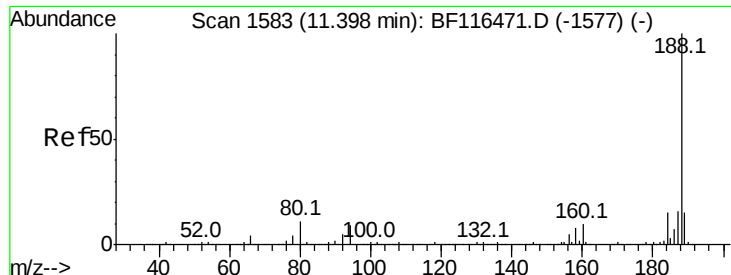
Abundance Ion 165.00 (164.70 to 165.70): E

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

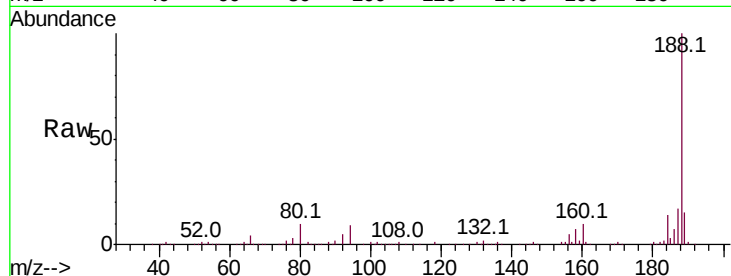




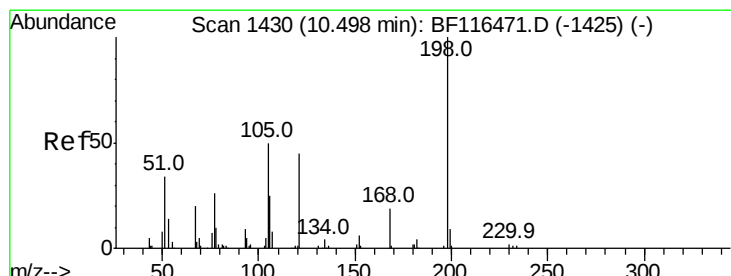
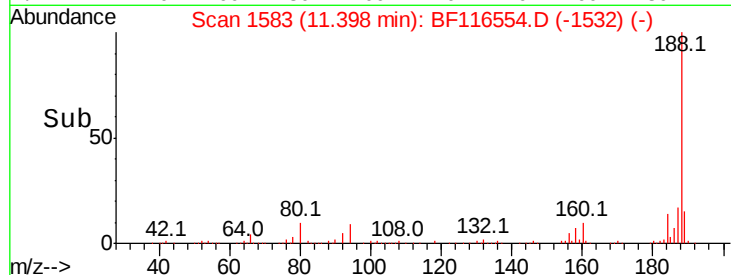
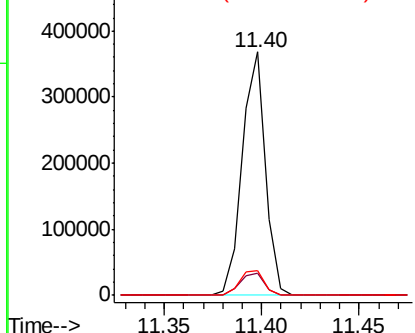
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116554.D
 Acq: 26 Aug 2019 4:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	9.9	8.6	12.8

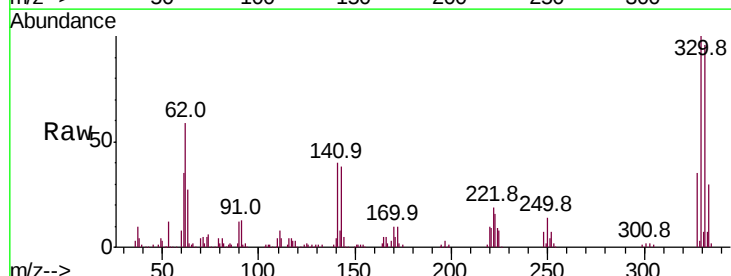


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

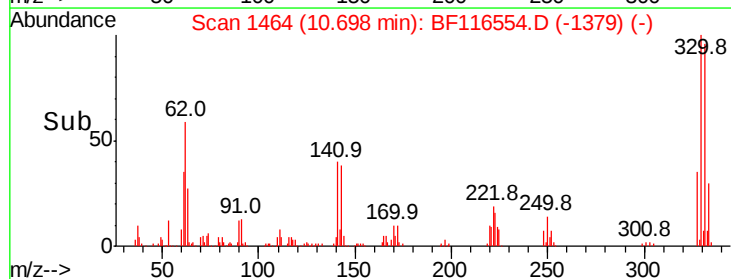
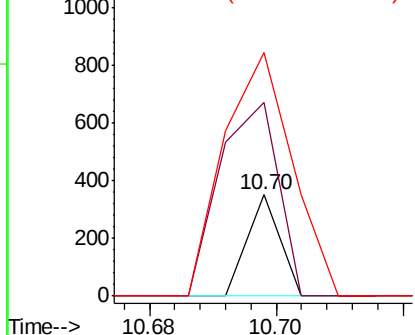


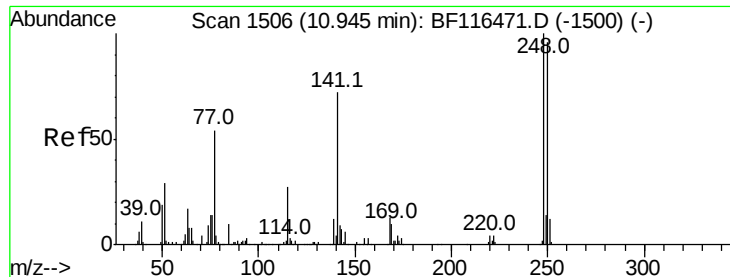
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.090 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF116554.D
 Acq: 26 Aug 2019 4:08

Tgt Ion	Ratio	Lower	Upper
198	100		
51	192.0	30.4	70.4#
105	240.9	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

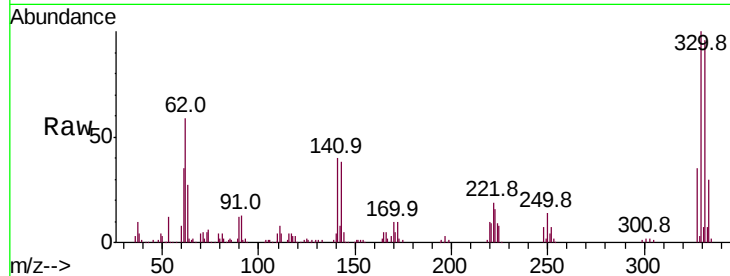




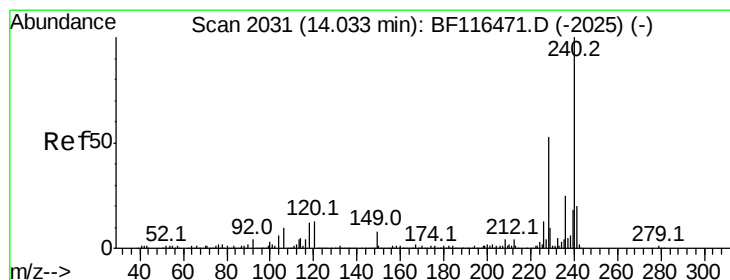
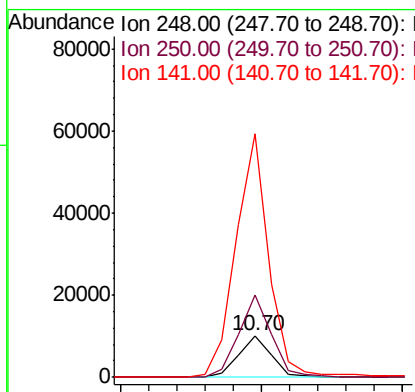
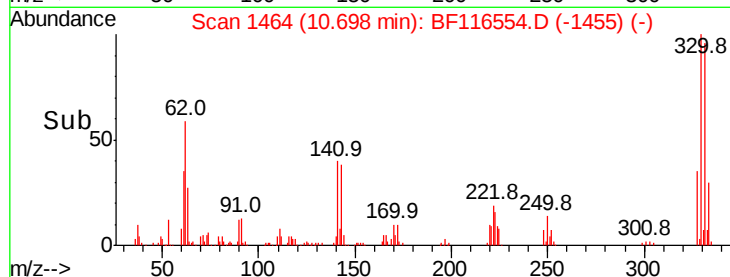
#67
 4-Bromophenyl-phenylether
 Concen: 2.569 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116554.D
 Acq: 26 Aug 2019 4:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8173
 Ion Ratio Lower Upper
 248 100
 250 196.8 77.0 115.6#
 141 583.1 57.4 86.0#

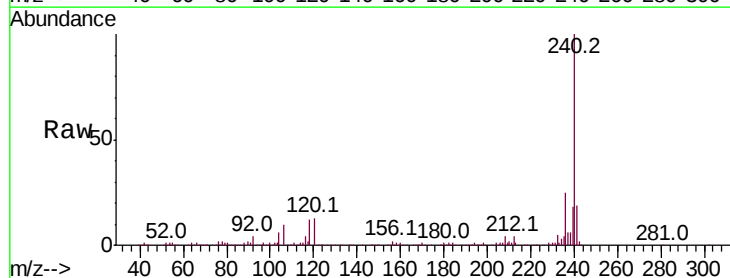


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

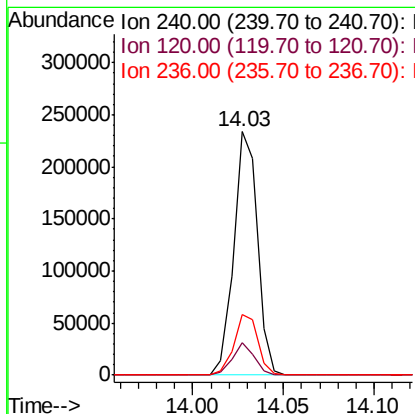
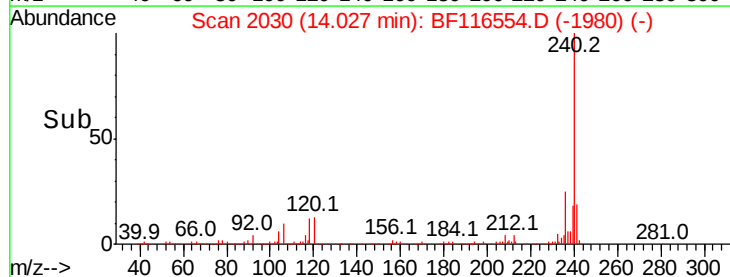


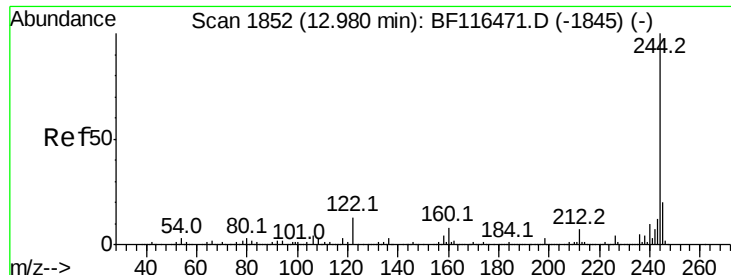
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116554.D
 Acq: 26 Aug 2019 4:08

Tgt Ion:240 Resp: 212672
 Ion Ratio Lower Upper
 240 100
 120 13.1 10.5 15.7
 236 25.0 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: 84.961 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116554.D

Acq: 26 Aug 2019 4:08

Instrument :

BNA_F

ClientSampled :

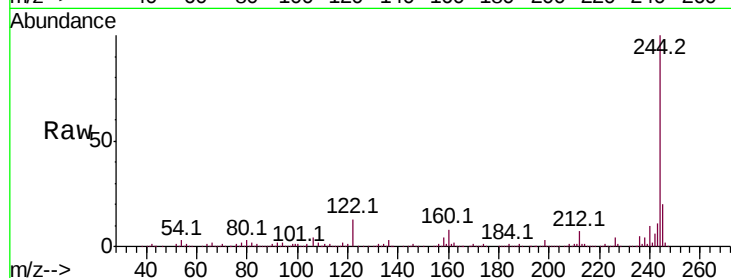
Tot Ion:244 Resp: 967327

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

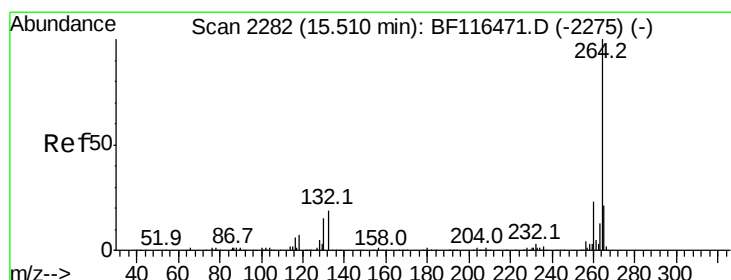
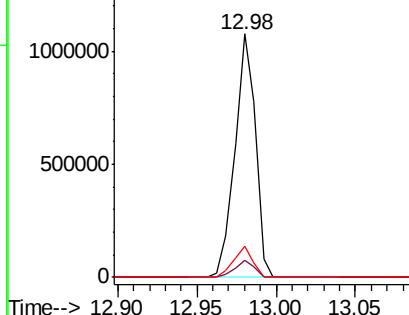
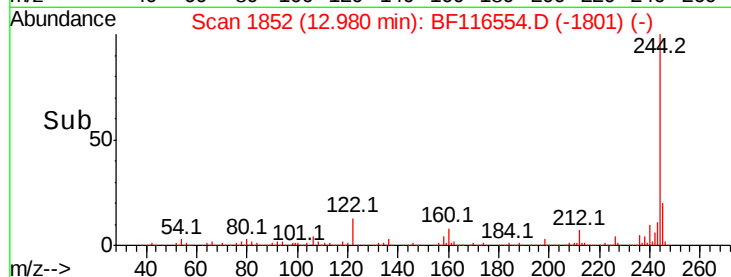
122 12.9 10.2 15.4



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: BF116554.D

Acq: 26 Aug 2019 4:08

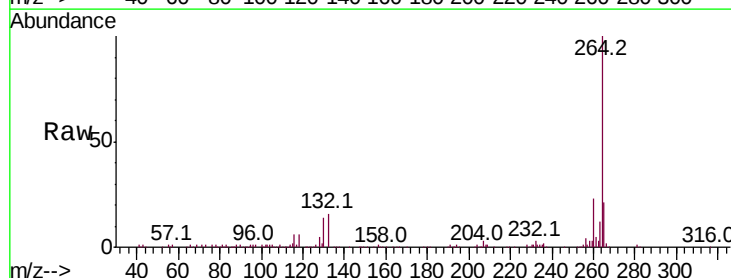
Tgt Ion:264 Resp: 179965

Ion Ratio Lower Upper

264 100

260 22.7 18.8 28.2

265 21.0 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

