

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116533.D
 Acq On : 25 Aug 2019 15:47
 Operator : HP/JU
 Sample : K4465-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:28:28 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

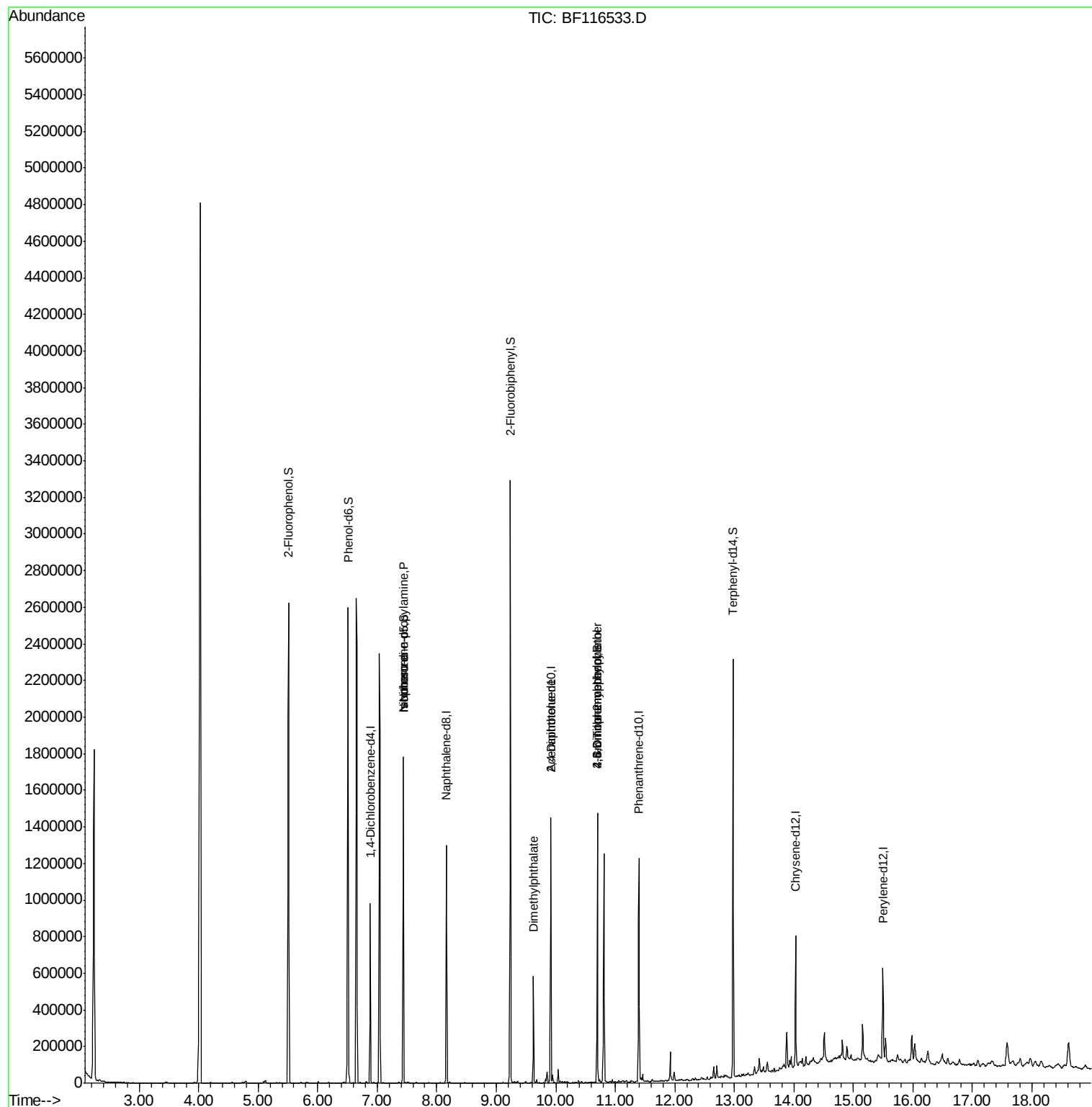
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	146696	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	555346	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	259429	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	389550	20.00	ng	0.00
76) Chrysene-d12	14.03	240	218969	20.00	ng	0.00
87) Perylene-d12	15.50	264	226748	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	700927	69.81	ng	0.01
7) Phenol-d6	6.51	99	938929	76.27	ng	0.00
23) Nitrobenzene-d5	7.44	82	583975	57.53	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	145396	65.27	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	974758	60.51	ng	0.00
79) Terphenyl-d14	12.98	244	699950	59.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	78467	9.341	ng	# 79
25) Isophorone	7.44	82	583963	29.193	ng	# 67
50) Dimethylphthalate	9.63	163	224288	12.391	ng	# 99
57) 2,4-Dinitrotoluene	9.92	165	33501	7.106	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	225	7.126	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	9735	2.384	ng	# 1

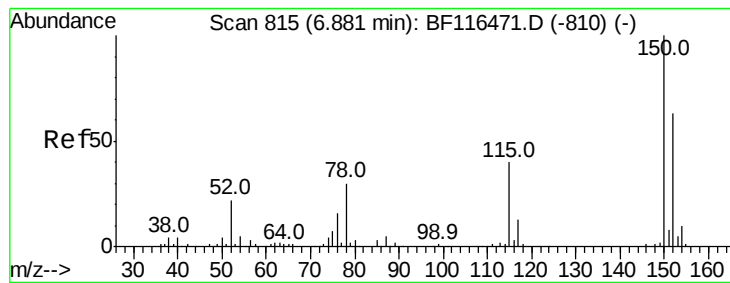
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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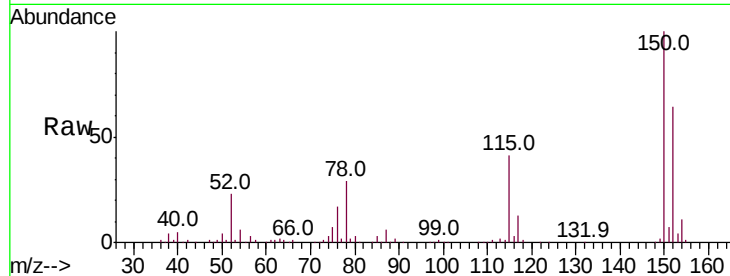


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116533.D
Acq: 25 Aug 2019 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.7	190.1
115	64.0	50.9	76.3

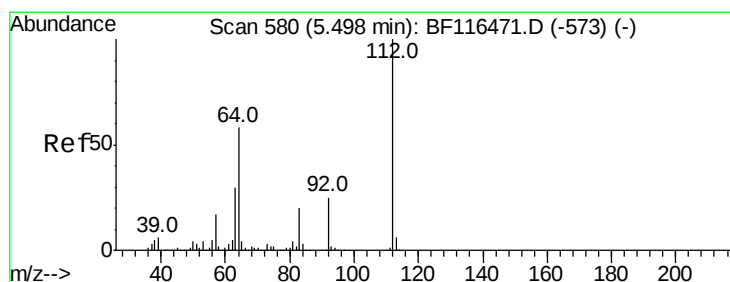
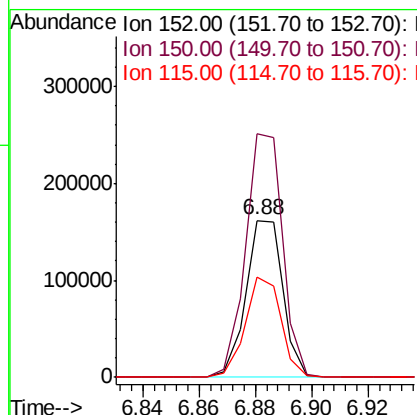
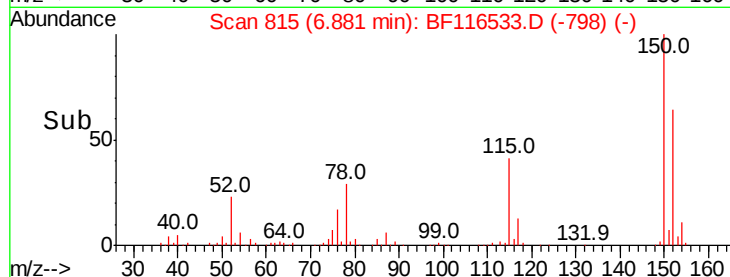


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

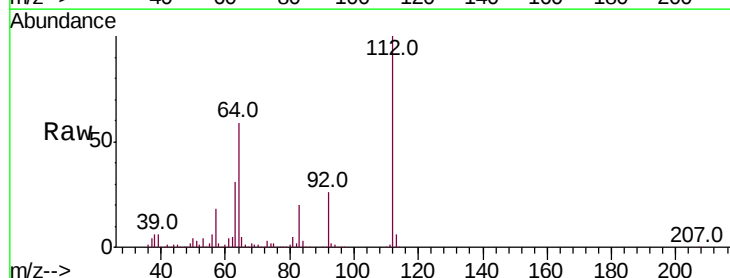
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.815 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116533.D
Acq: 25 Aug 2019 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.3	69.5
63	31.2	24.2	36.4

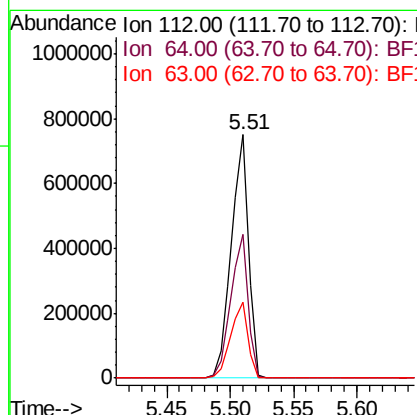
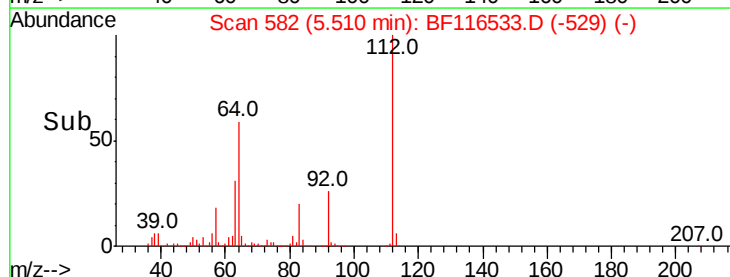


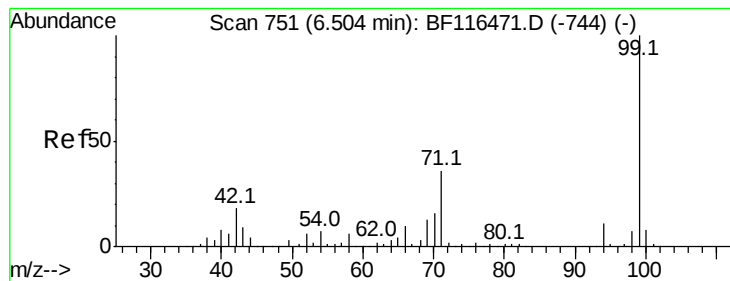
Abundance

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: 76.272 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116533.D

Acq: 25 Aug 2019 15:47

Instrument :

BNA_F

ClientSampled :

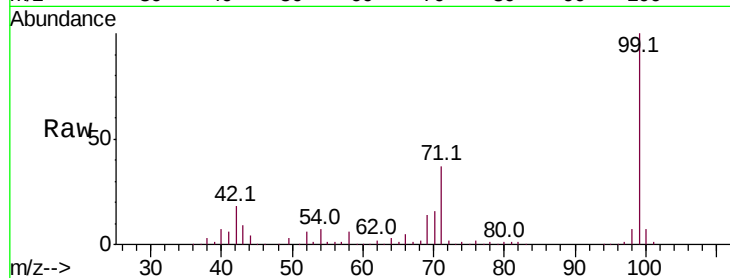
Tot Ion: 99 Resp: 938929

Ion Ratio Lower Upper

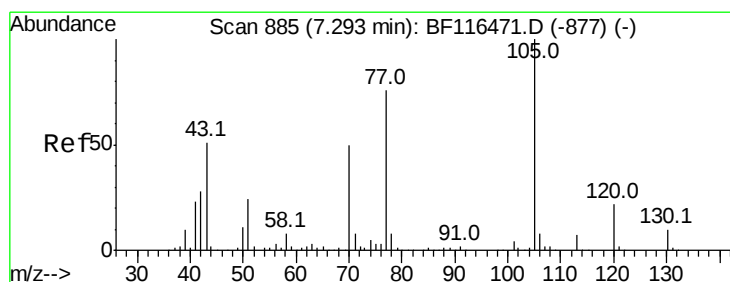
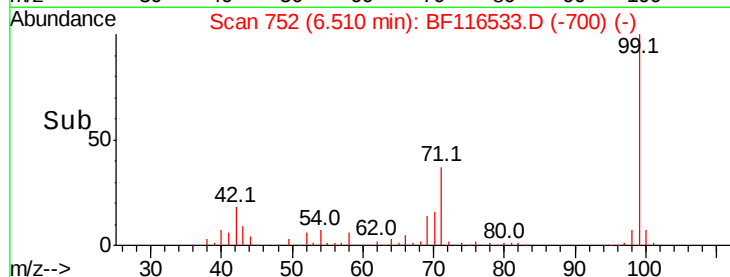
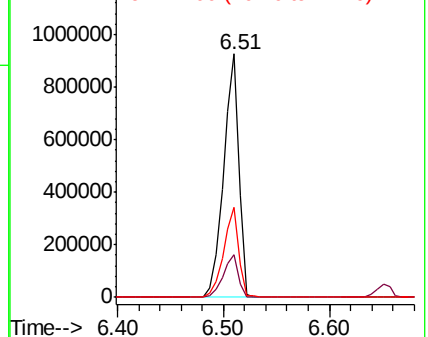
99 100

42 17.8 14.6 21.8

71 36.9 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: 9.341 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116533.D

Acq: 25 Aug 2019 15:47

Tgt Ion: 70 Resp: 78467

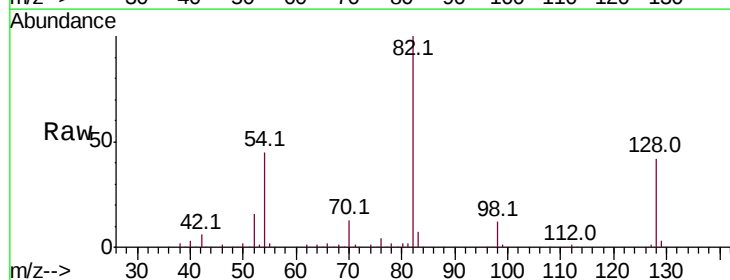
Ion Ratio Lower Upper

70 100

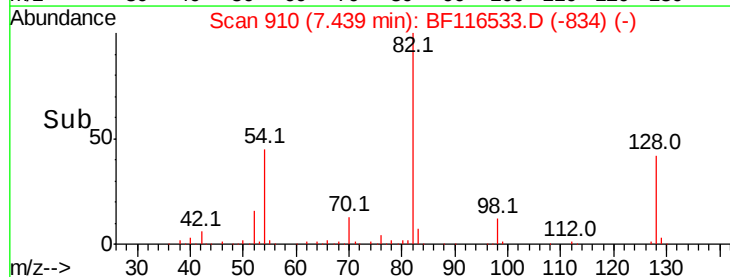
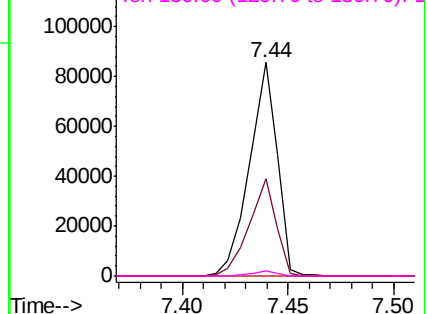
42 45.6 44.4 66.6

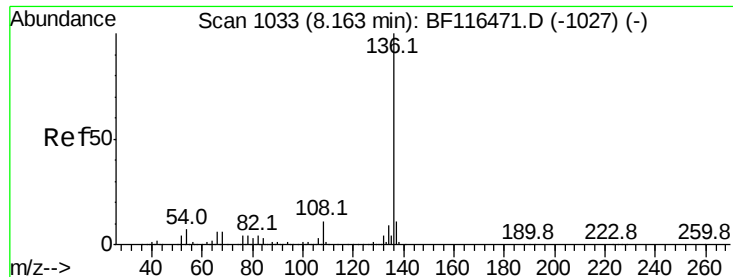
101 0.0 7.1 10.7#

130 2.1 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: BF116533.D

Acq: 25 Aug 2019 15:47

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 555346

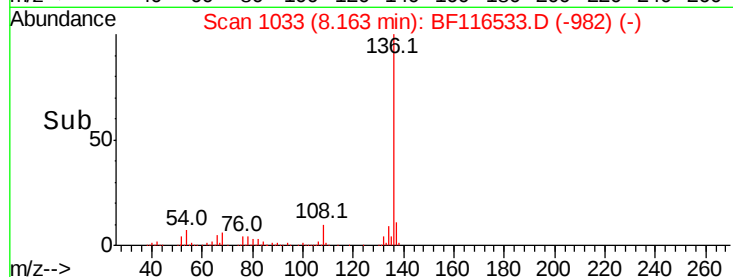
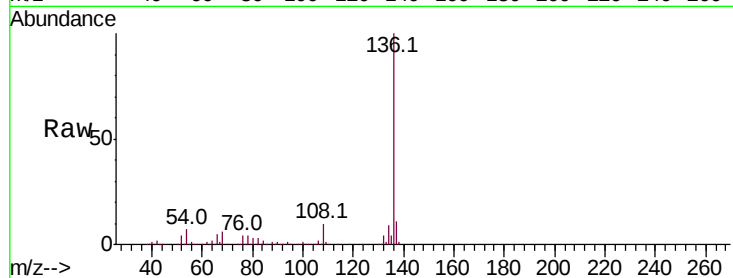
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.2 5.8 8.6

68 5.8 5.1 7.7

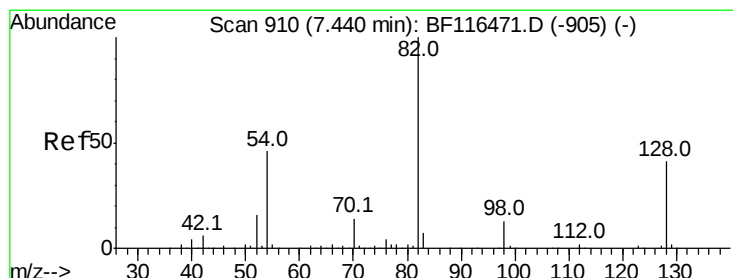
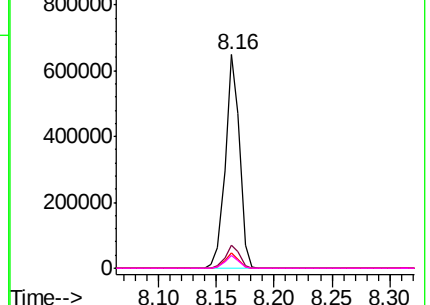


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.530 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116533.D

Acq: 25 Aug 2019 15:47

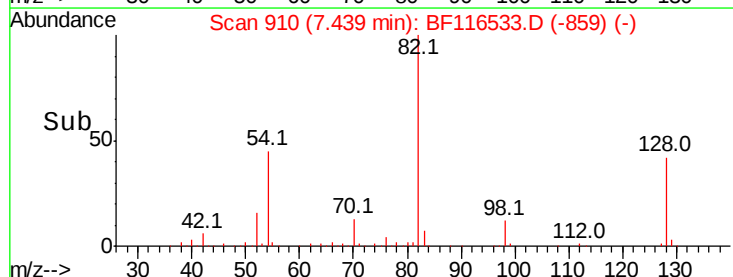
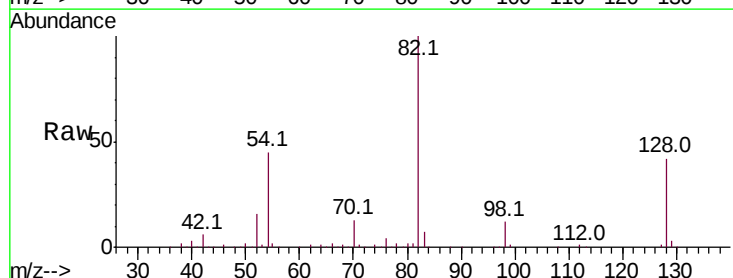
Tgt Ion: 82 Resp: 583975

Ion Ratio Lower Upper

82 100

128 42.4 32.2 48.4

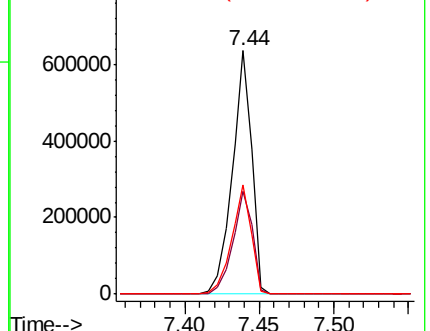
54 44.8 36.5 54.7

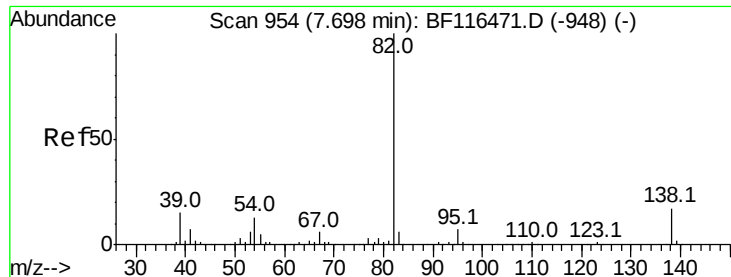


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.193 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116533.D

Acq: 25 Aug 2019 15:47

Instrument :

BNA_F

ClientSampleId :

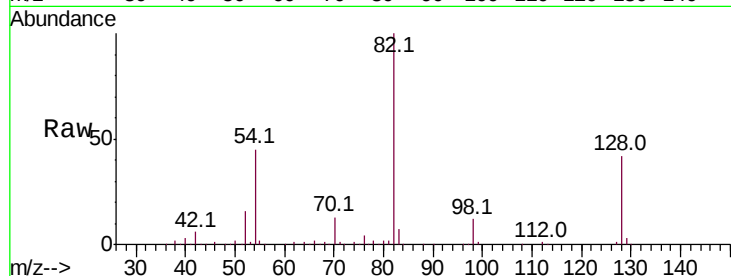
Tot Ion: 82 Resp: 583963

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

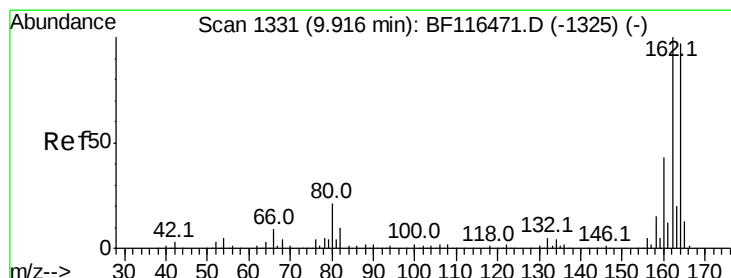
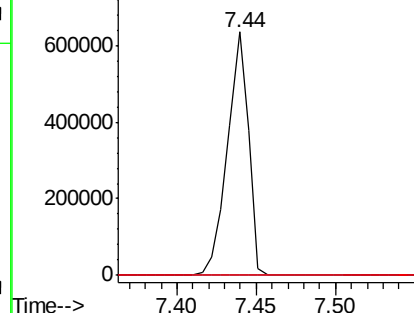
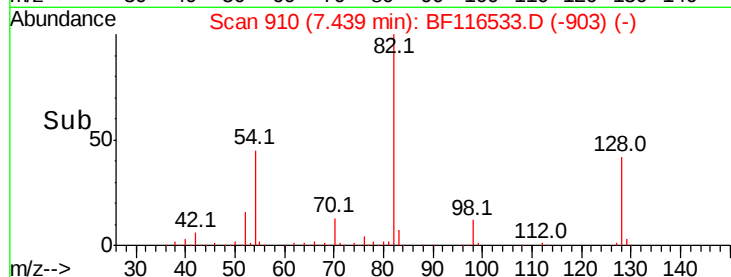
138 0.0 13.3 19.9#



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: BF116533.D

Acq: 25 Aug 2019 15:47

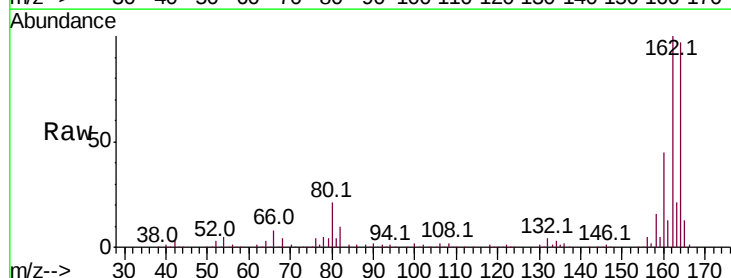
Tgt Ion:164 Resp: 259429

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

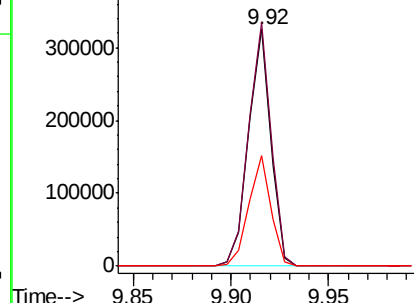
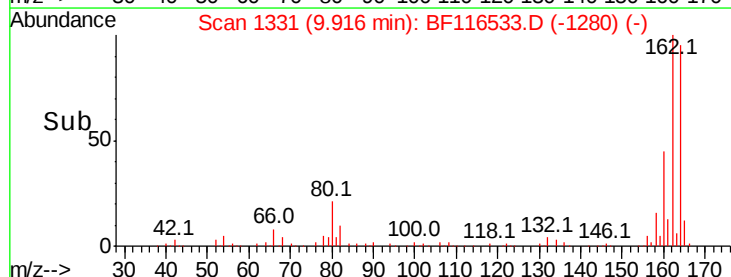
160 46.5 35.8 53.8

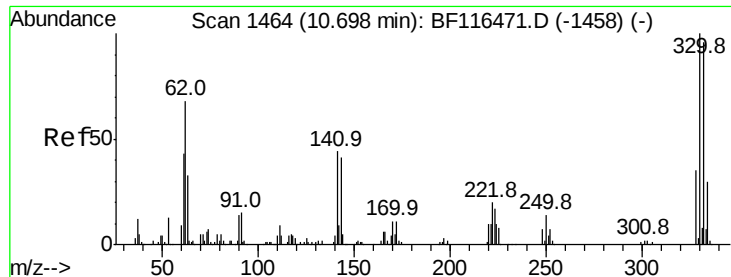


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

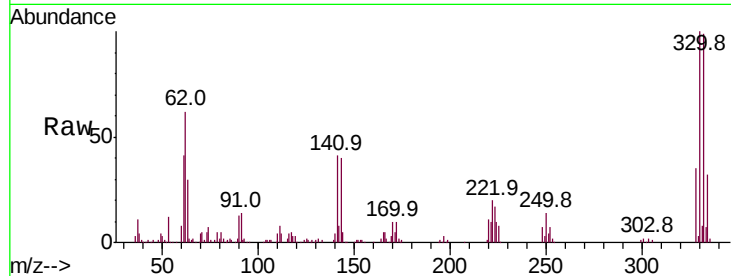




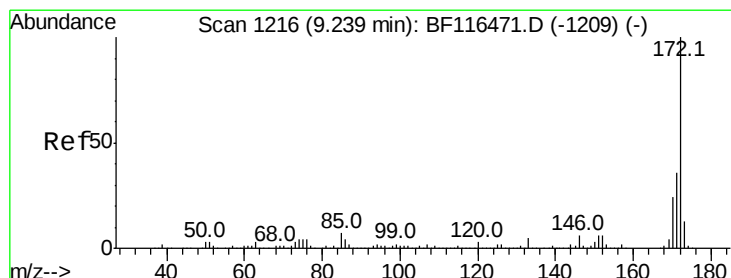
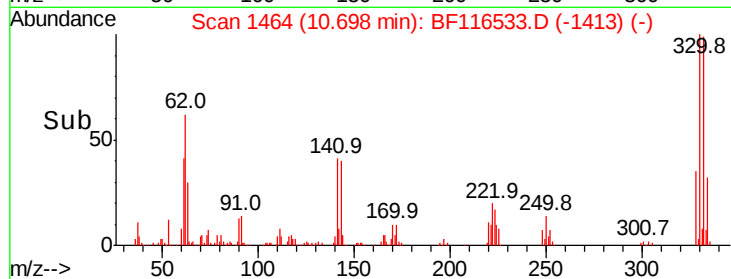
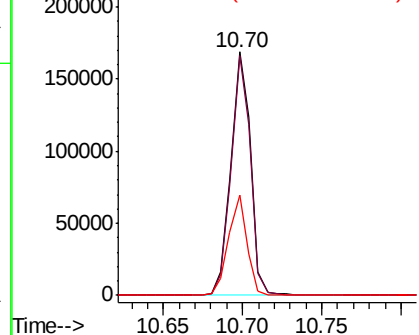
#42
 2,4,6-Tribromophenol
 Concen: 65.269 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116533.D
 Acq: 25 Aug 2019 15:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	38.5	33.3	49.9

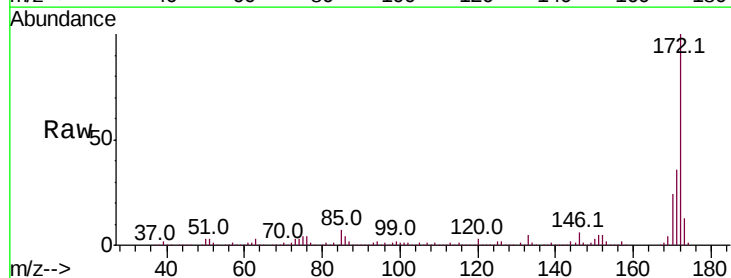


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

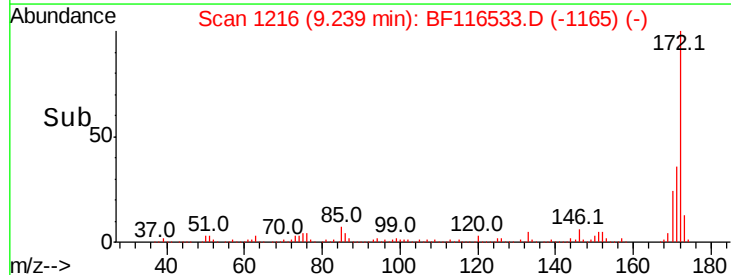
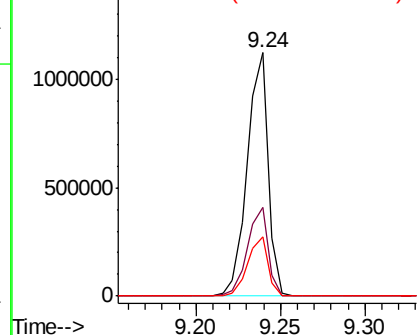


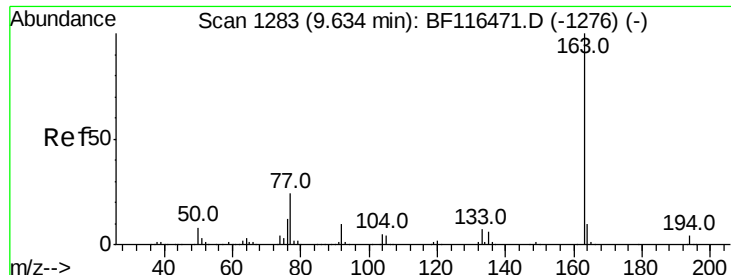
#45
 2-Fluorobiphenyl
 Concen: 60.508 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116533.D
 Acq: 25 Aug 2019 15:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.2	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

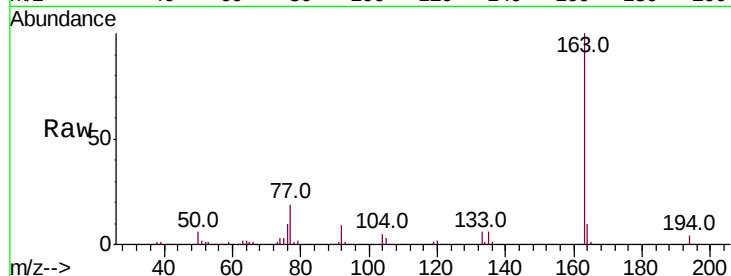




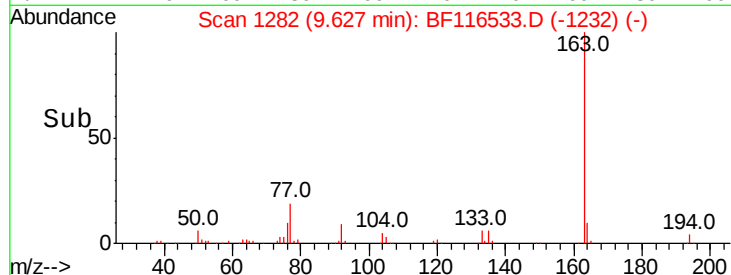
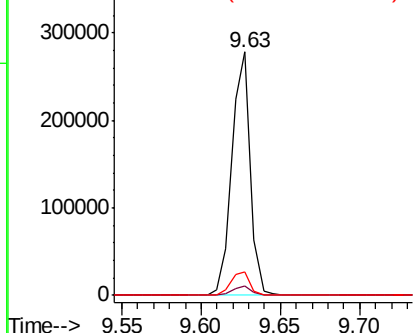
#50
Dimethylphthalate
Concen: 12.391 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116533.D
Acq: 25 Aug 2019 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	9.7	8.2	12.2

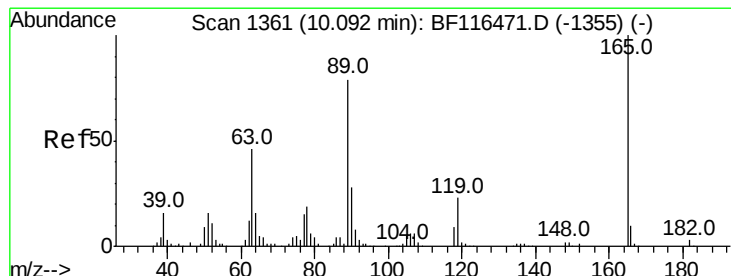


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

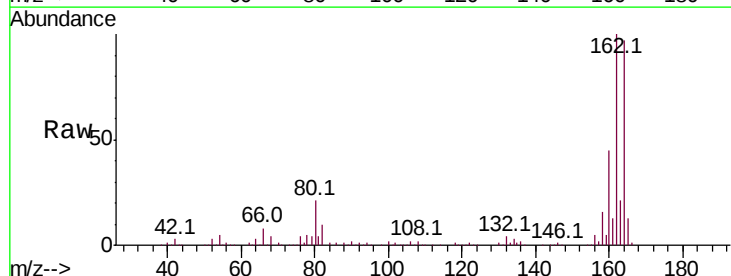
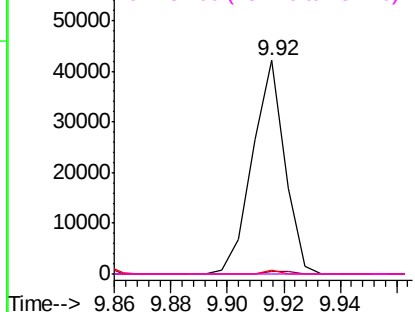


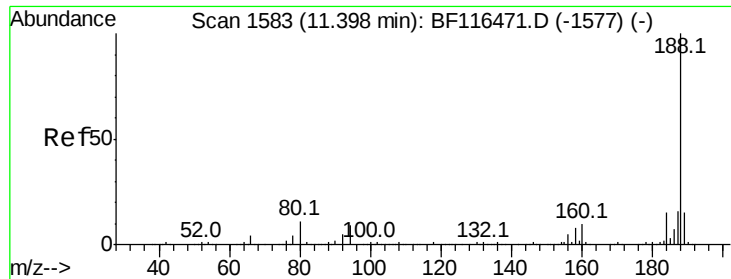
#57
2,4-Dinitrotoluene
Concen: 7.106 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116533.D
Acq: 25 Aug 2019 15:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.9	55.3#
89	1.8	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

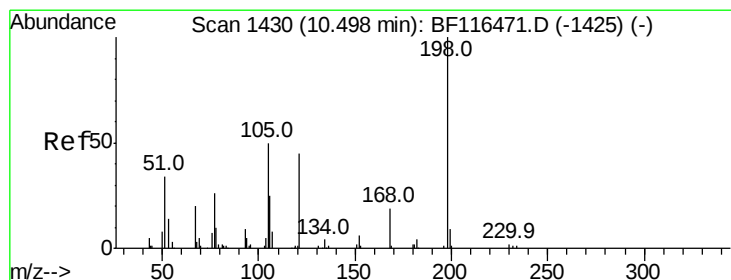
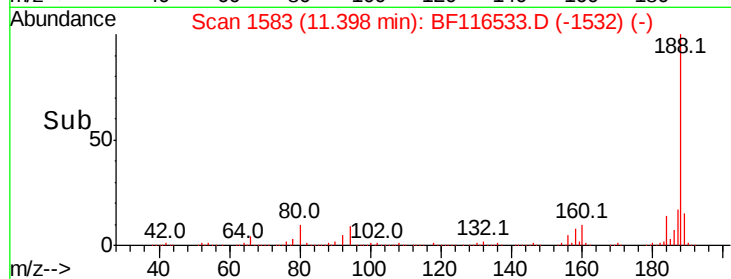
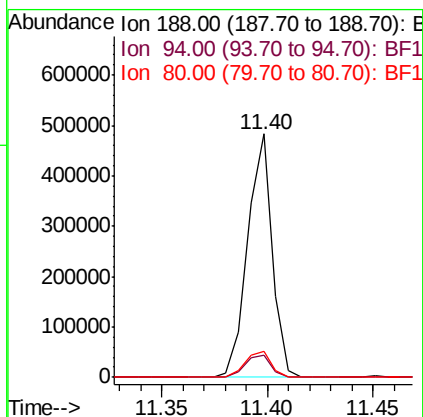
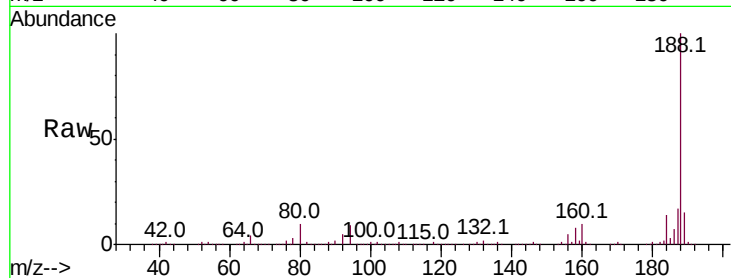




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116533.D
Acq: 25 Aug 2019 15:47

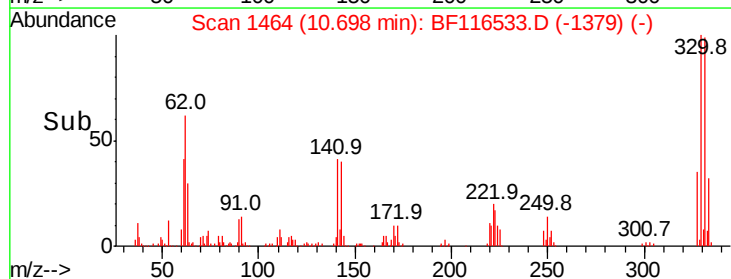
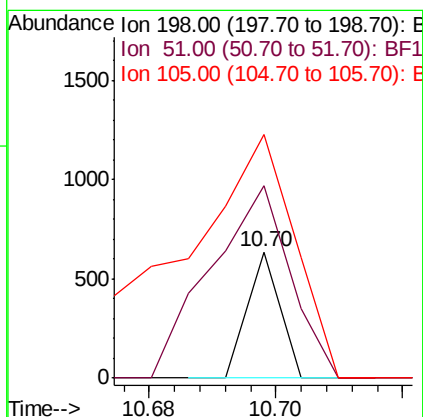
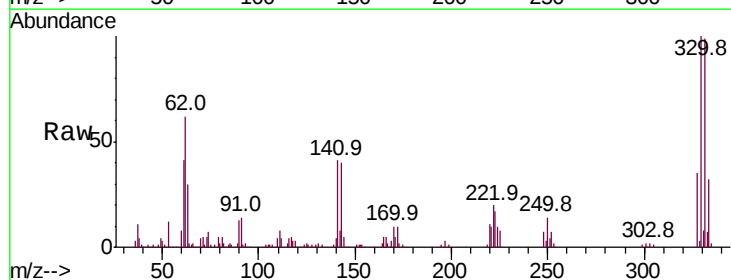
Instrument :
BNA_F
ClientSampleId :

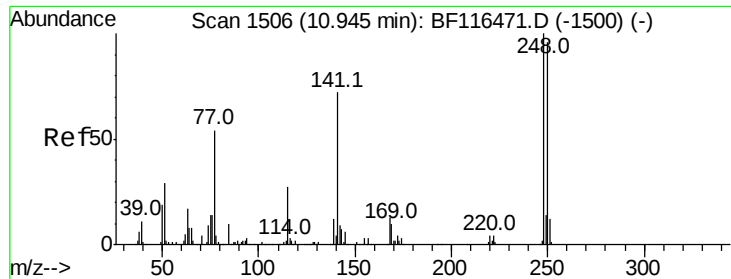
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.4	11.2
80	10.5	8.6	12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.126 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF116533.D
Acq: 25 Aug 2019 15:47

Tgt Ion	Ratio	Lower	Upper
198	100		
51	152.7	30.4	70.4#
105	193.1	32.8	72.8#

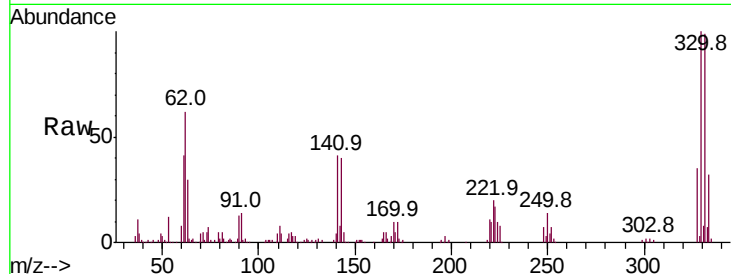




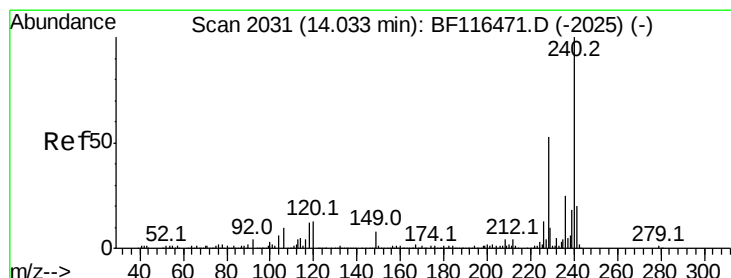
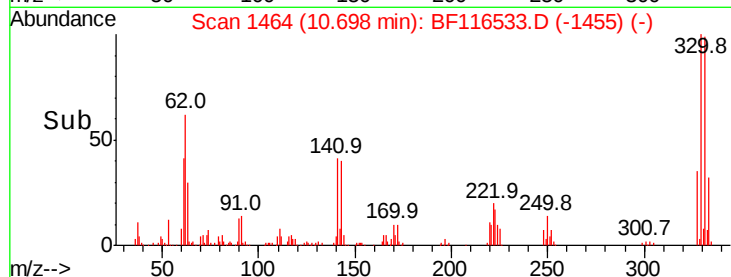
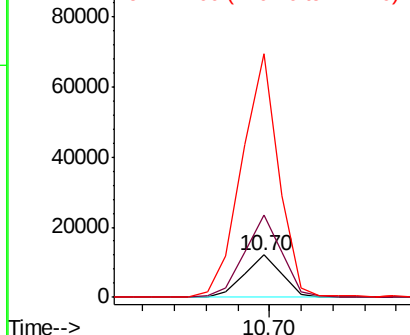
#67
 4-Bromophenyl-phenylether
 Concen: 2.384 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116533.D
 Acq: 25 Aug 2019 15:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9735
 Ion Ratio Lower Upper
 248 100
 250 194.0 77.0 115.6#
 141 575.2 57.4 86.0#

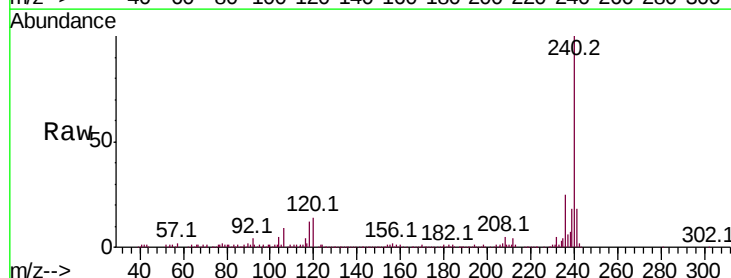


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

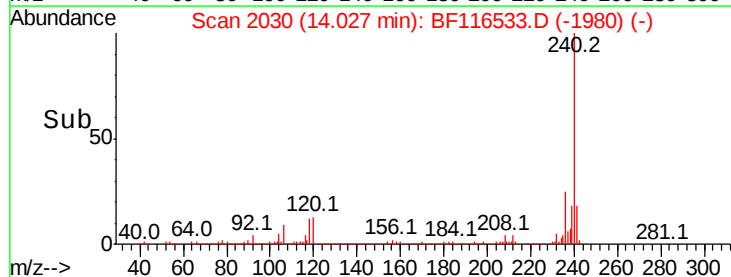
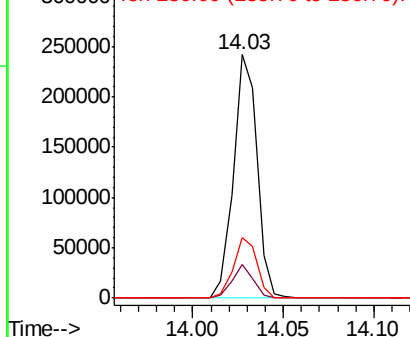


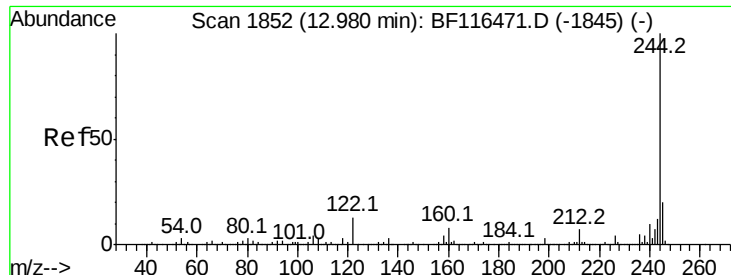
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116533.D
 Acq: 25 Aug 2019 15:47

Tgt Ion:240 Resp: 218969
 Ion Ratio Lower Upper
 240 100
 120 13.6 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: 59.709 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116533.D

Acq: 25 Aug 2019 15:47

Instrument :

BNA_F

ClientSampleId :

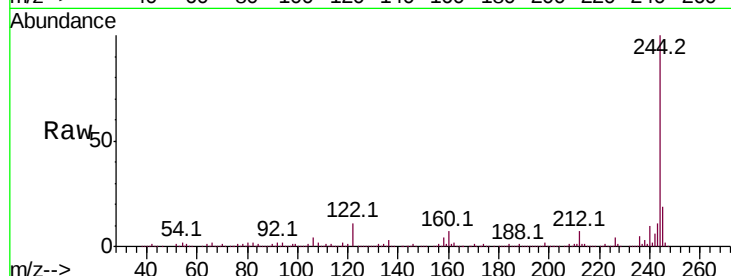
Tot Ion:244 Resp: 699950

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

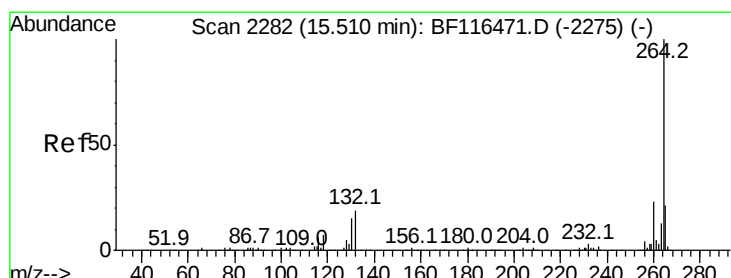
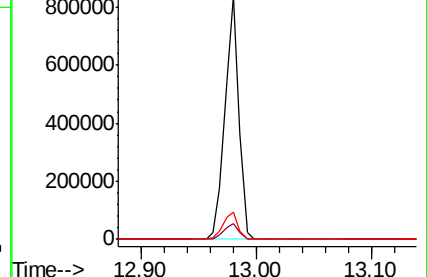
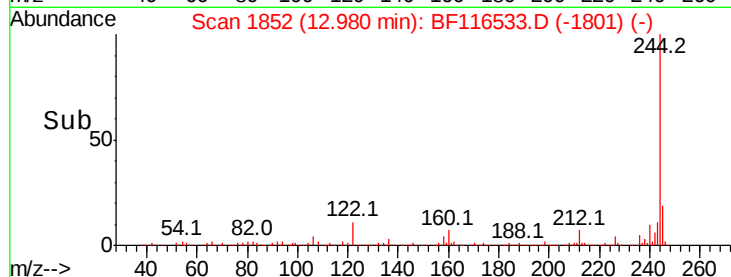
122 11.4 10.2 15.4



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: BF116533.D

Acq: 25 Aug 2019 15:47

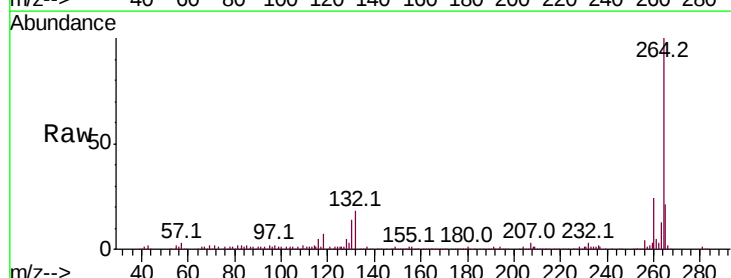
Tgt Ion:264 Resp: 226748

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 21.1 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

