

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108381.D
 Acq On : 22 Aug 2018 14:22
 Operator : JU/SJ
 Sample : PB112282BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 22 15:53:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

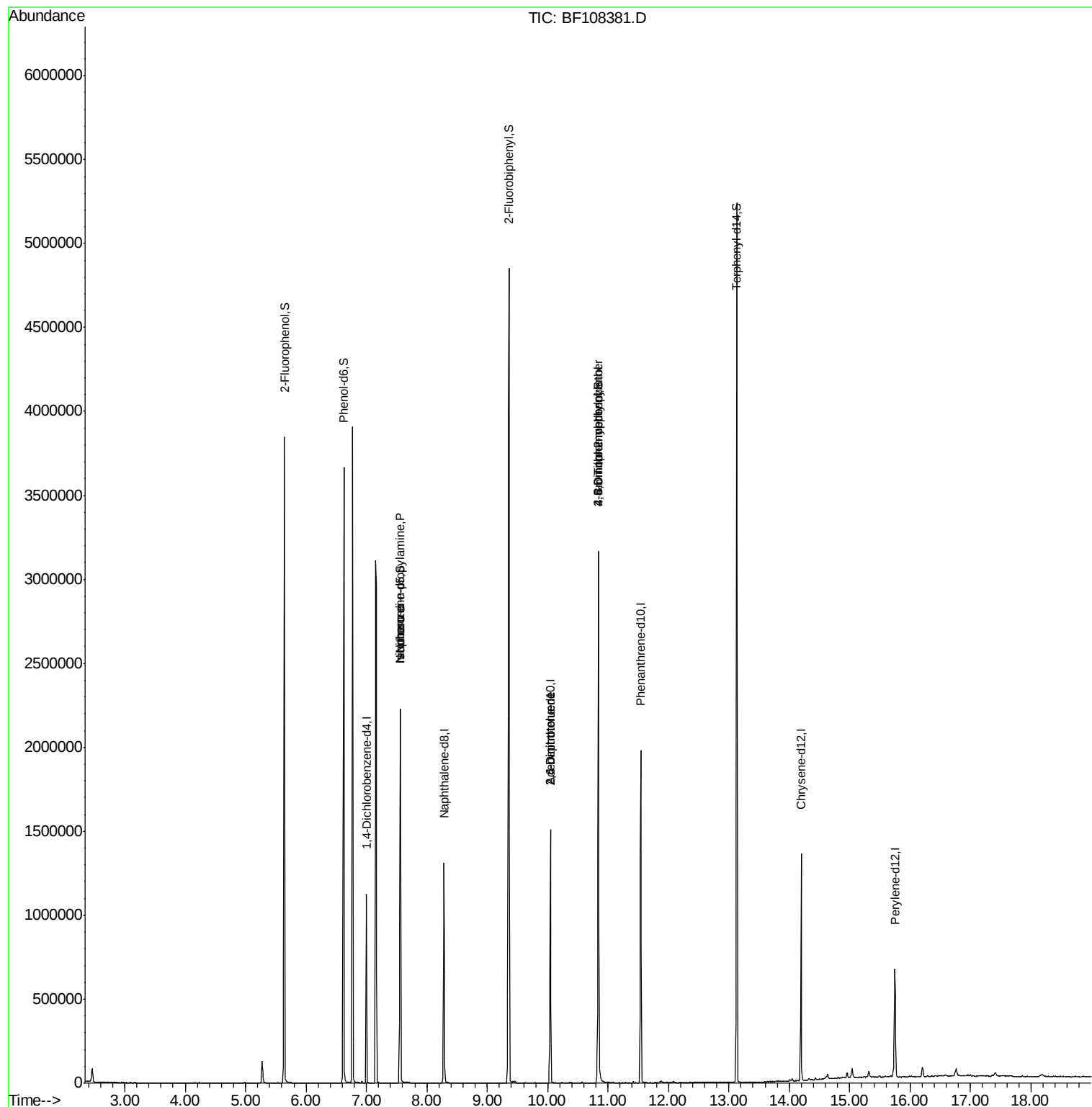
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	166711	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	640485	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	336976	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	691138	20.00	ng	0.00
75) Chrysene-d12	14.19	240	437000	20.00	ng	0.00
86) Perylene-d12	15.75	264	313062	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	981036	106.54	ng	0.01
7) Phenol-d6	6.62	99	1300943	106.32	ng	0.00
23) Nitrobenzene-d5	7.56	82	886731	77.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	430640	128.12	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1740157	82.91	ng	0.00
78) Terphenyl-d14	13.13	244	1886140	109.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	121064	14.631	ng	# 82
25) Isophorone	7.56	82	880577	40.251	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	42866	8.728	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	42866	6.781	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	905	5.668	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	28189	3.753	ng	# 1

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

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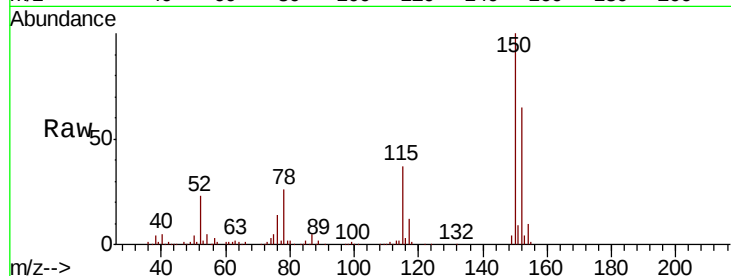


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108381.D
Acq: 22 Aug 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	56.5	50.1	75.1

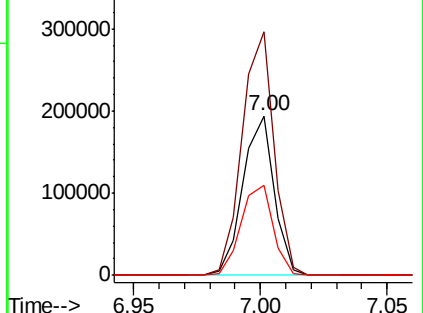
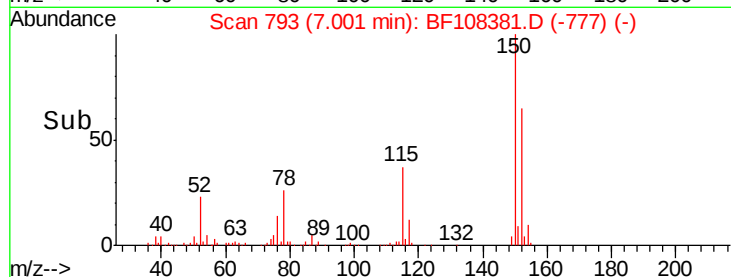


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

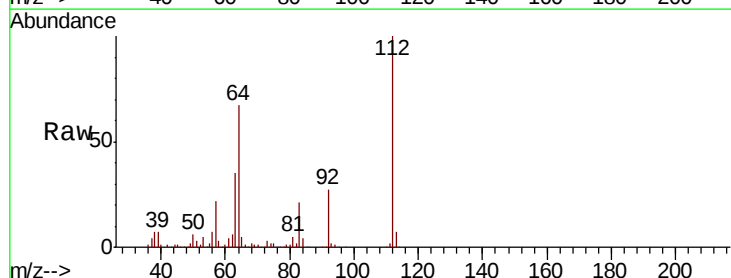
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 106.539 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108381.D
Acq: 22 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	35.5	23.7	35.5

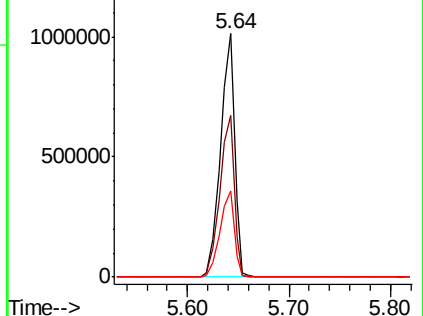
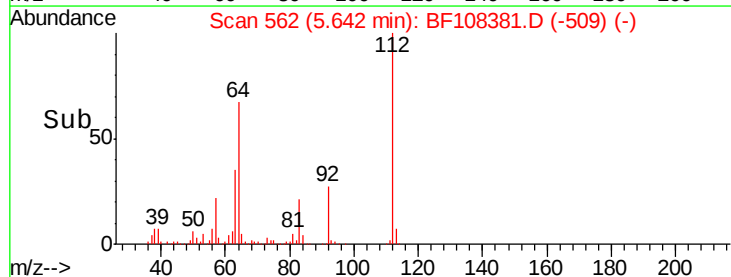


Abundance

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: 106.317 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108381.D

Acq: 22 Aug 2018 14:22

Instrument :

BNA_F

ClientSampleId :

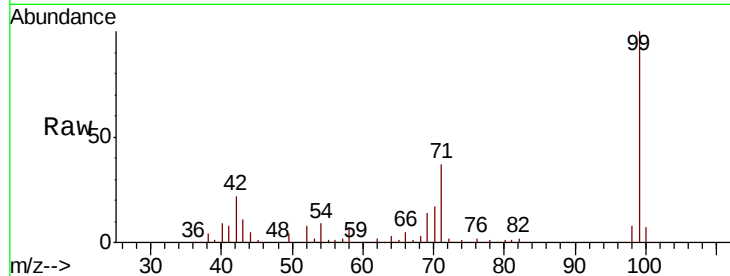
Tot Ion: 99 Resp: 1300943

Ion Ratio Lower Upper

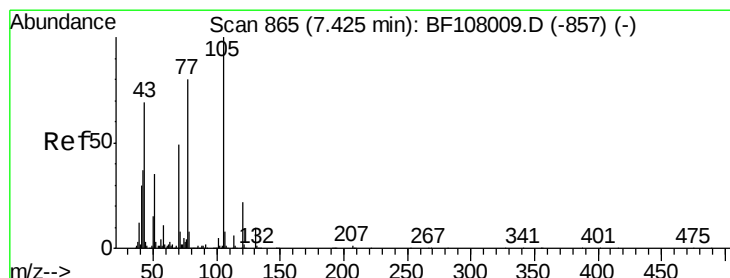
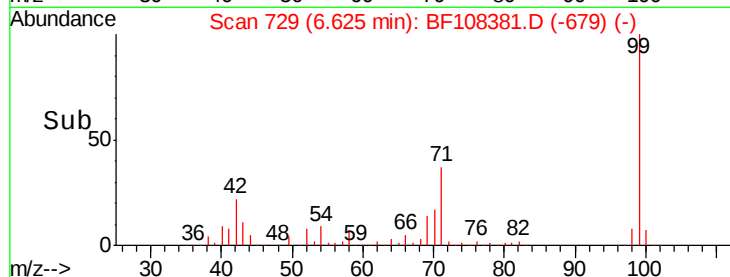
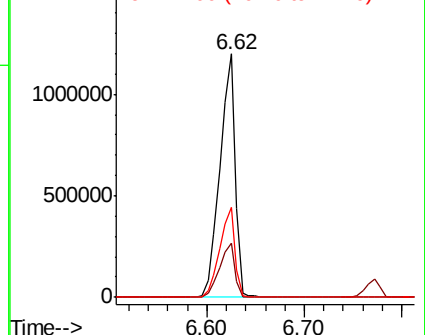
99 100

42 22.3 14.5 21.7#

71 37.1 25.4 38.0



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: 14.631 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108381.D

Acq: 22 Aug 2018 14:22

Tgt Ion: 70 Resp: 121064

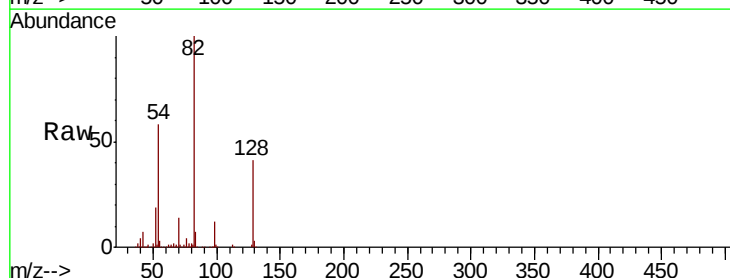
Ion Ratio Lower Upper

70 100

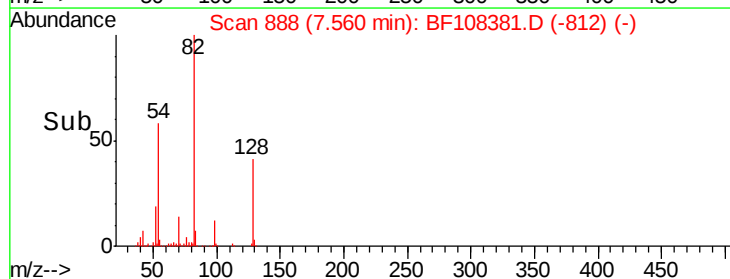
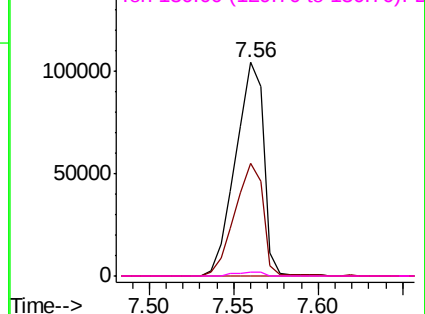
42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108381.D

Acq: 22 Aug 2018 14:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 640485

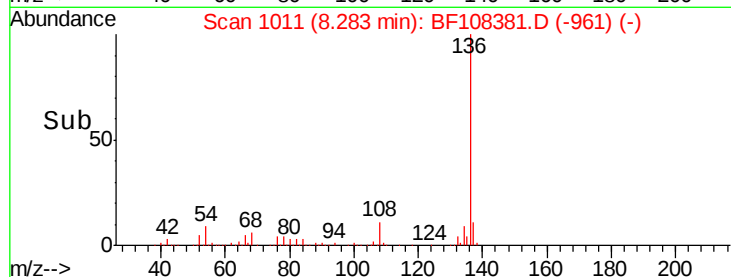
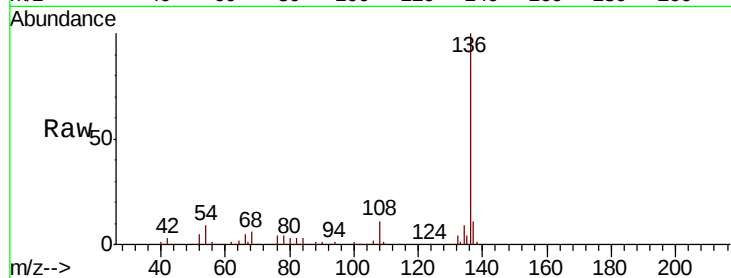
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.4 6.6 9.8

68 5.7 5.0 7.4



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

8.28

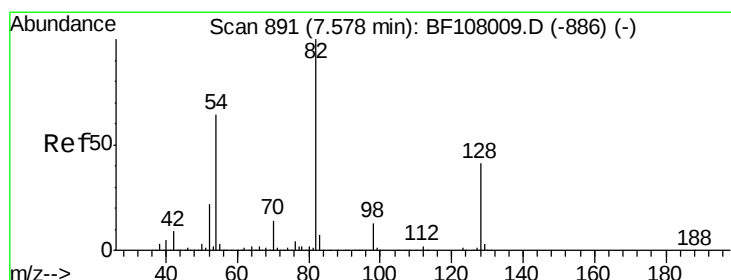
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 77.255 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108381.D

Acq: 22 Aug 2018 14:22

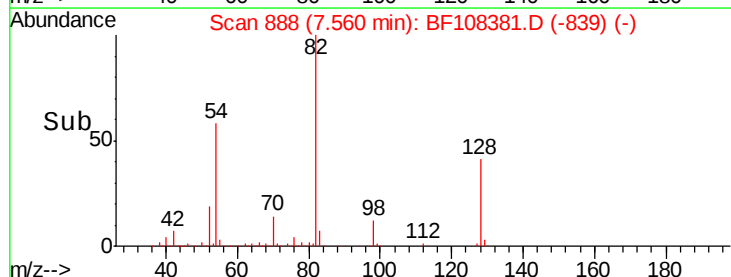
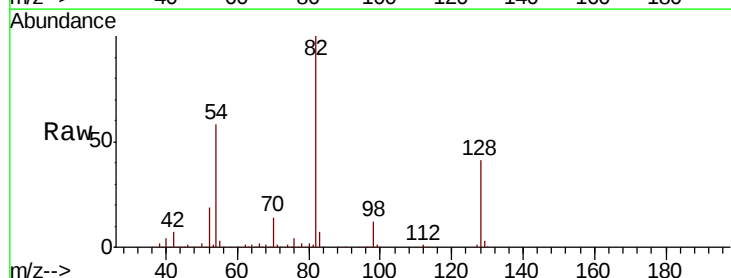
Tgt Ion: 82 Resp: 886731

Ion Ratio Lower Upper

82 100

128 40.9 36.1 54.1

54 58.5 41.4 62.2



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

7.56

800000

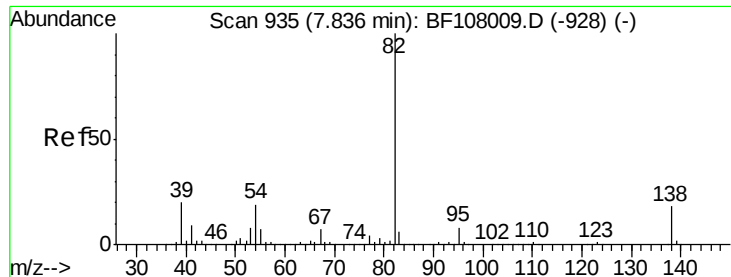
600000

400000

200000

0

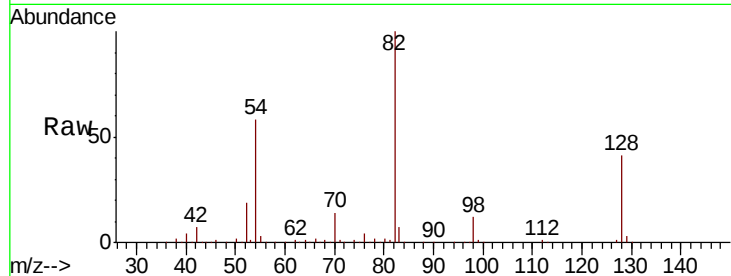
Time-->



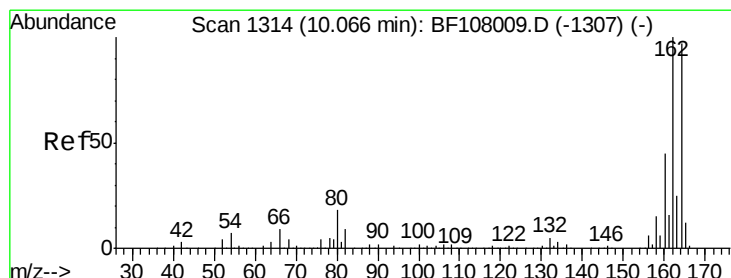
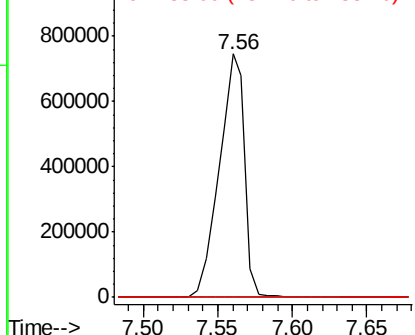
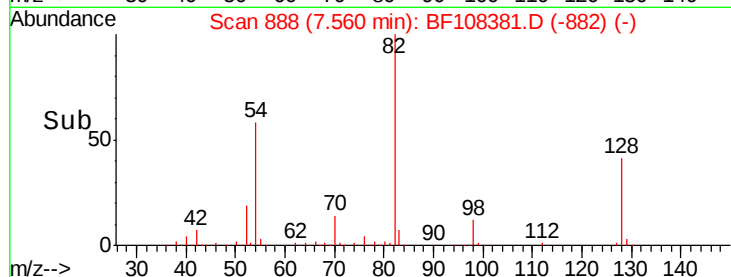
#25
Isophorone
Concen: 40.251 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108381.D
Acq: 22 Aug 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 880577
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

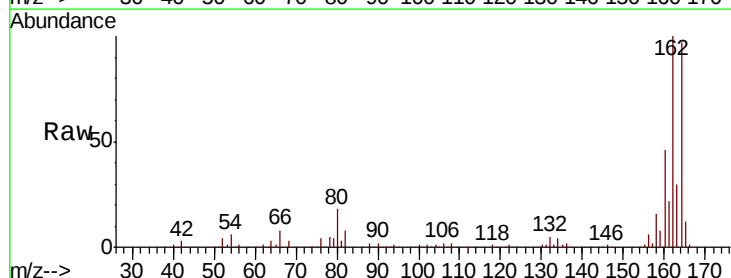


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

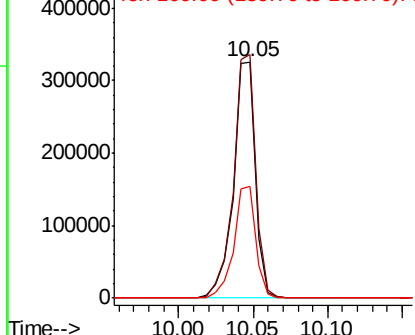
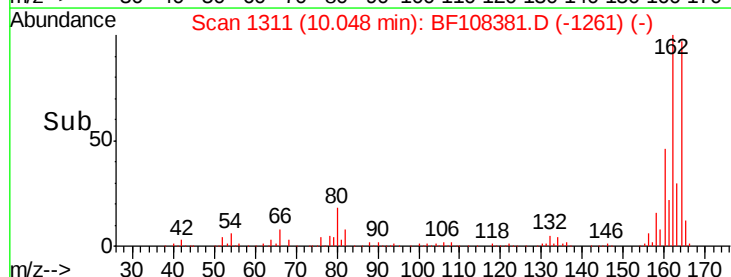


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF108381.D
Acq: 22 Aug 2018 14:22

Tgt Ion:164 Resp: 336976
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 47.2 38.3 57.5



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

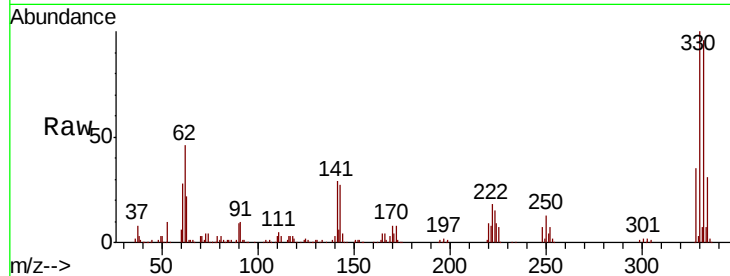




#41
 2,4,6-Tribromophenol
 Concen: 128.119 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108381.D
 Acq: 22 Aug 2018 14:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	32.0	29.9	44.9

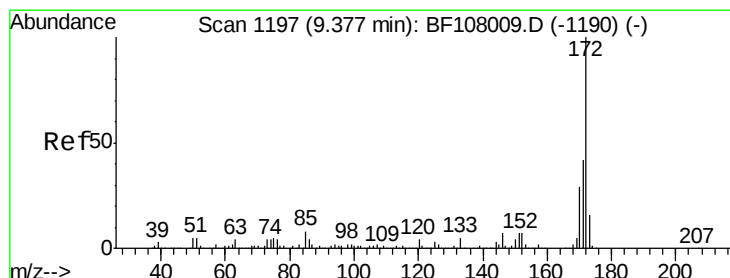
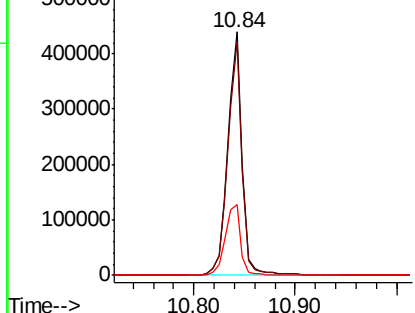
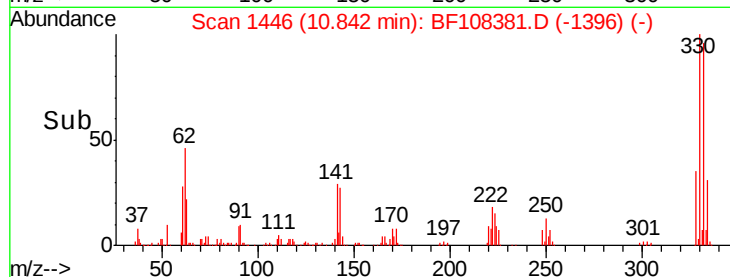


Abundance

Ion 329.80 (329.50 to 330.50): E

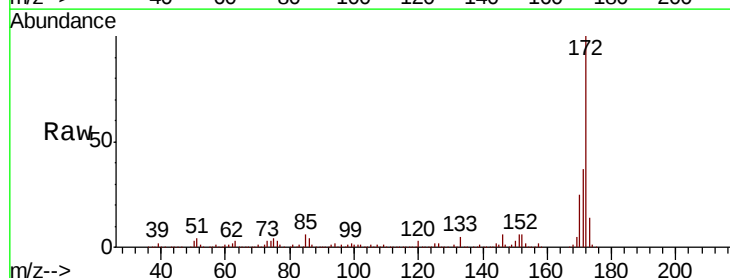
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 82.907 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108381.D
 Acq: 22 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	25.5	19.6	29.4

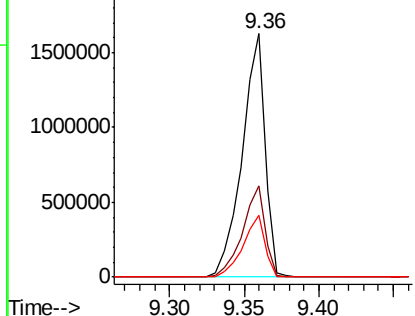
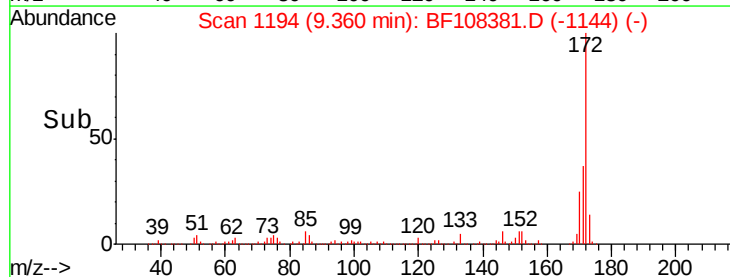


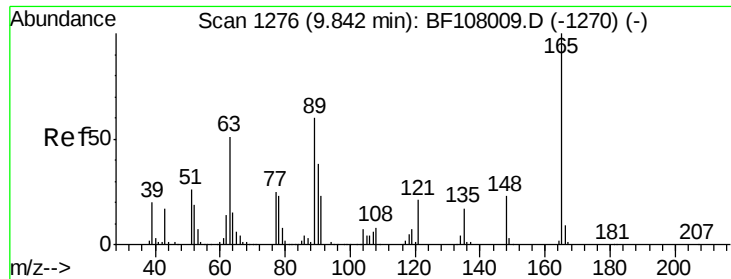
Abundance

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

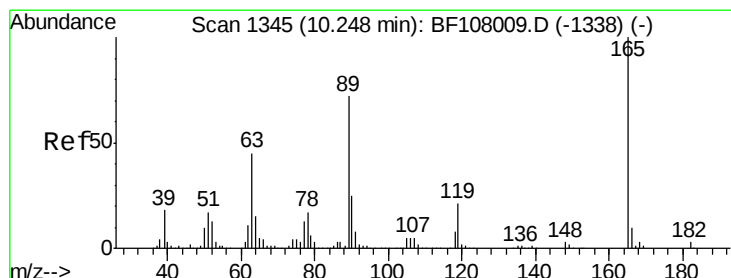
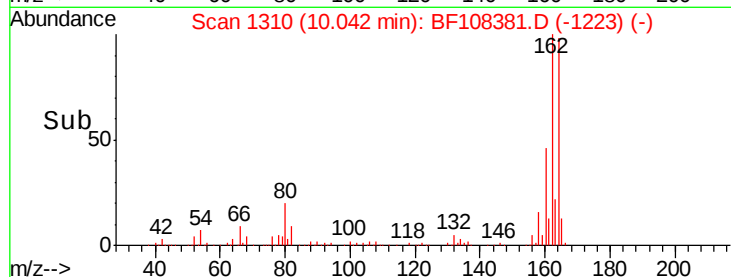
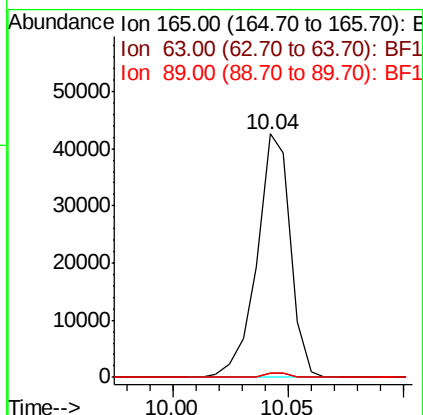
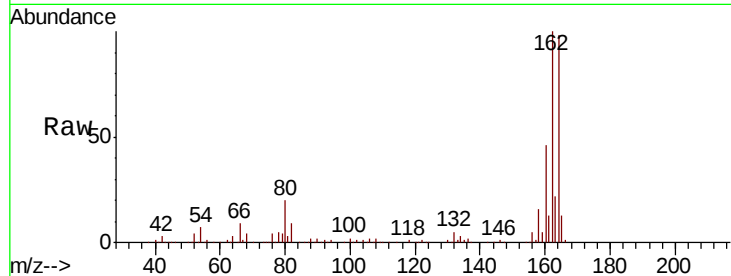




#50
 2,6-Dinitrotoluene
 Concen: 8.728 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108381.D
 Acq: 22 Aug 2018 14:22

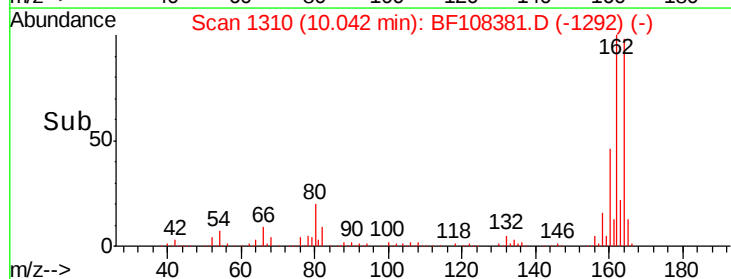
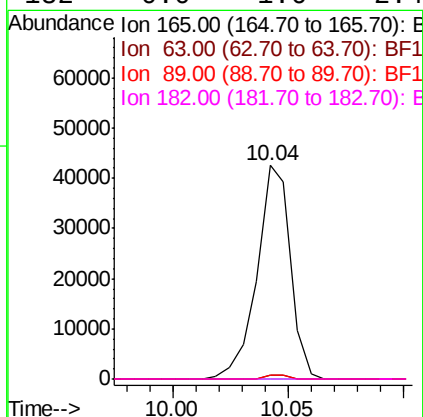
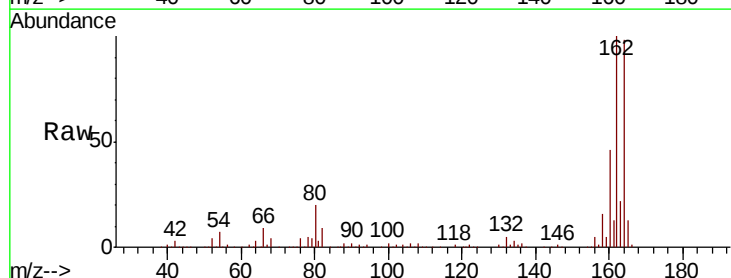
Instrument :
 BNA_F
 ClientSampled :

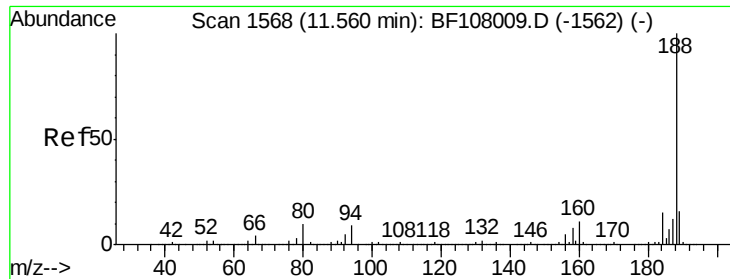
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.781 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108381.D
 Acq: 22 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

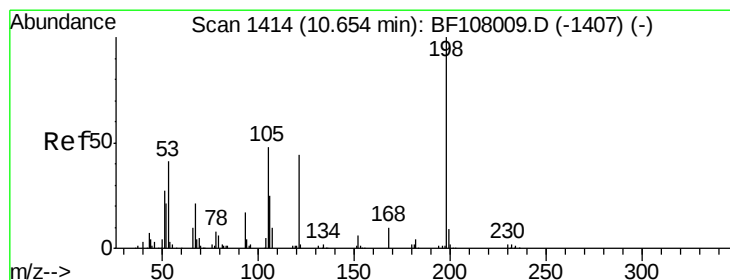
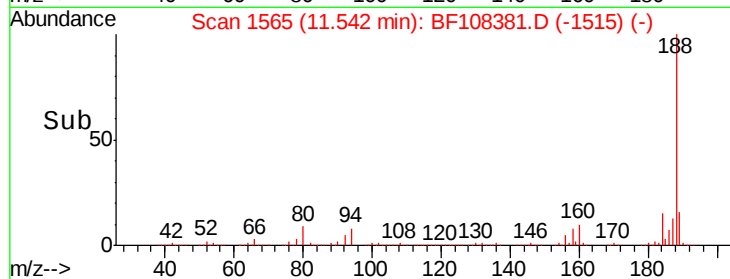
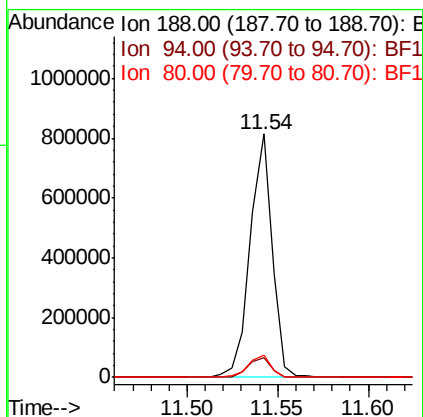
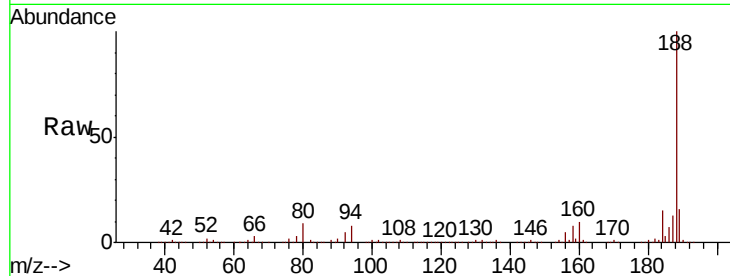




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108381.D
 Acq: 22 Aug 2018 14:22

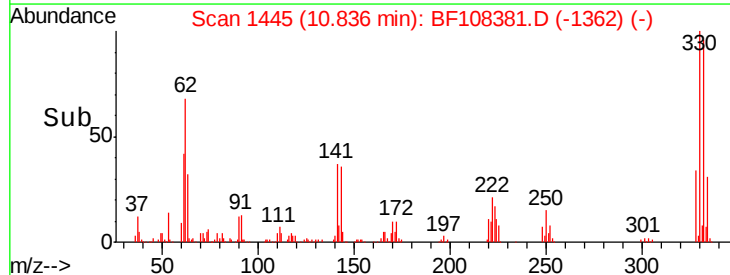
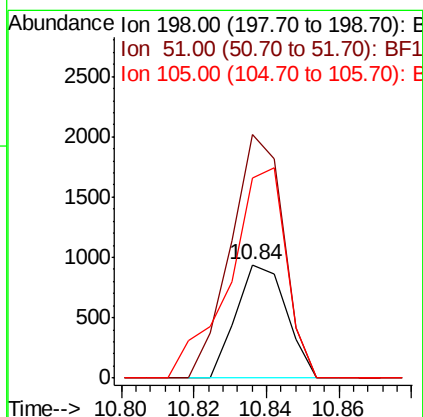
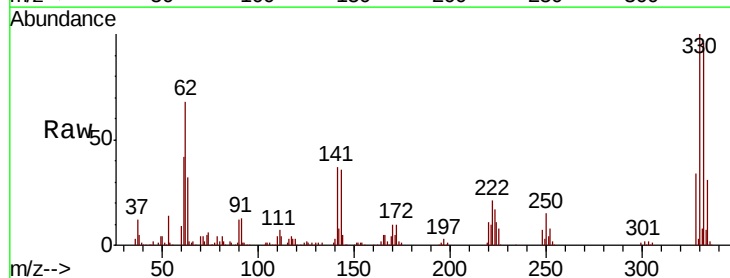
Instrument :
 BNA_F
 ClientSampled :

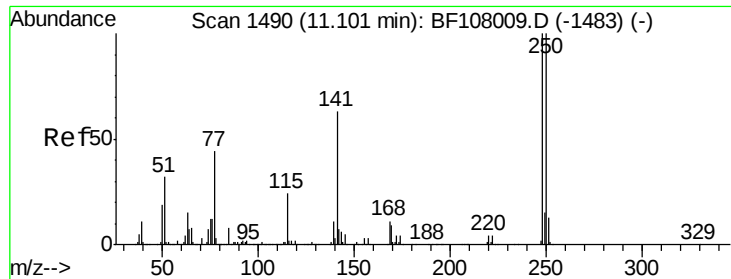
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.3	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.668 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108381.D
 Acq: 22 Aug 2018 14:22

Tgt Ion	Ratio	Lower	Upper
198	100		
51	214.5	37.7	77.7#
105	176.2	36.3	76.3#

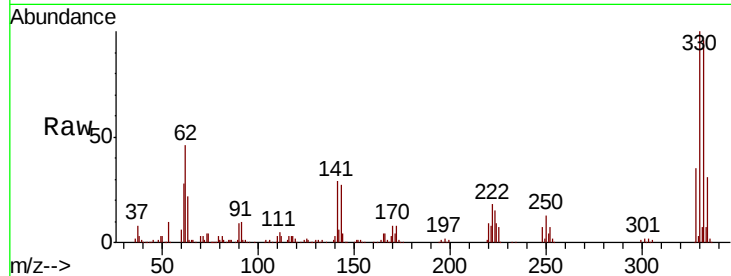




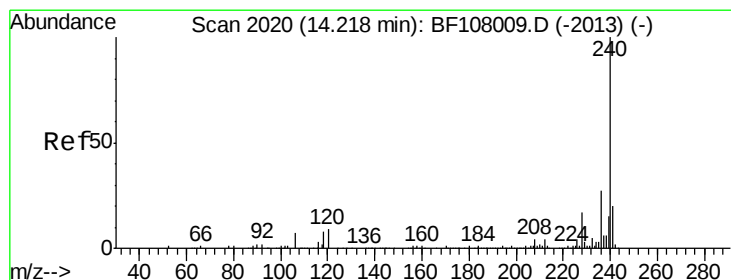
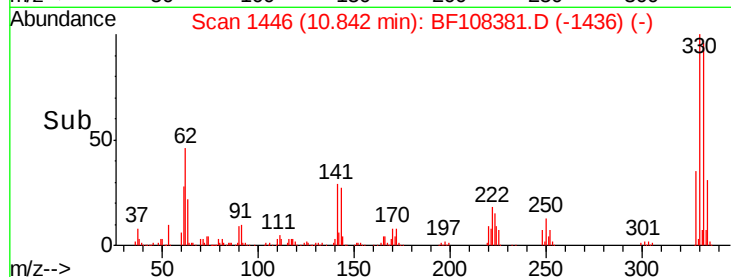
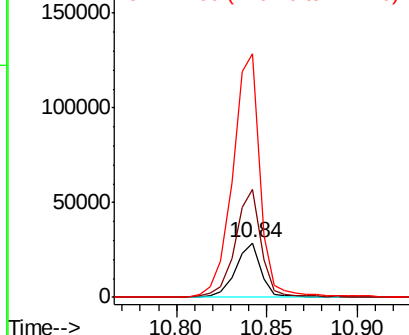
#66
4-Bromophenyl-phenylether
Concen: 3.753 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108381.D
Acq: 22 Aug 2018 14:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 28189
Ion Ratio Lower Upper
248 100
250 197.6 76.9 115.3#
141 446.6 74.4 111.6#

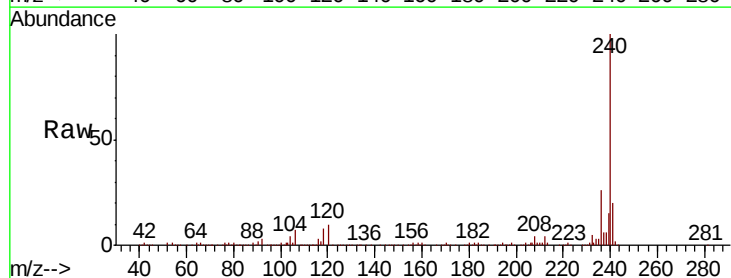


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

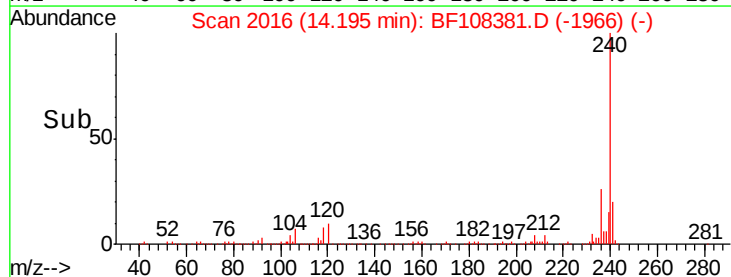
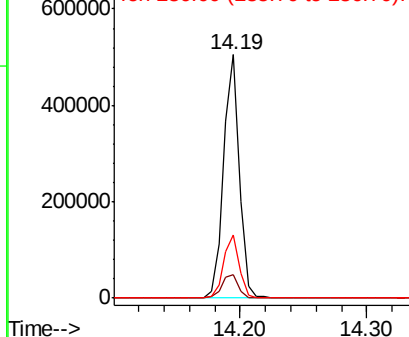


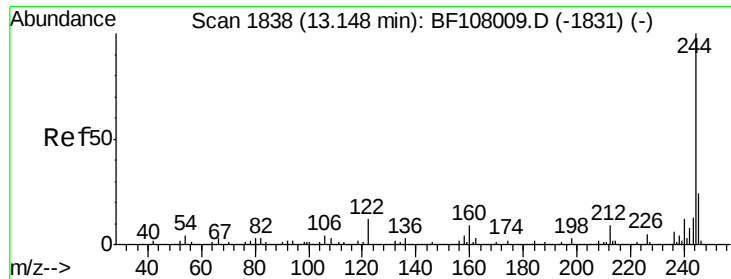
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108381.D
Acq: 22 Aug 2018 14:22

Tgt Ion:240 Resp: 437000
Ion Ratio Lower Upper
240 100
120 9.6 9.5 14.3
236 26.0 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





#78

Terphenyl-d14

Concen: 109.740 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108381.D

Acq: 22 Aug 2018 14:22

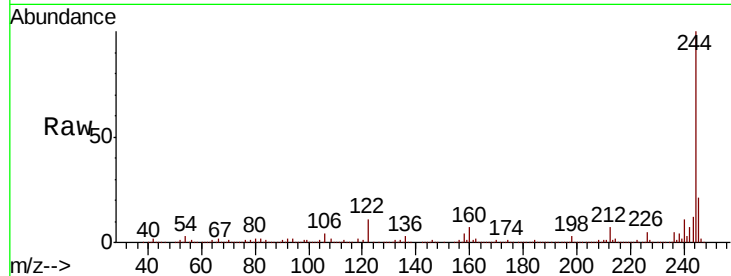
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1886140

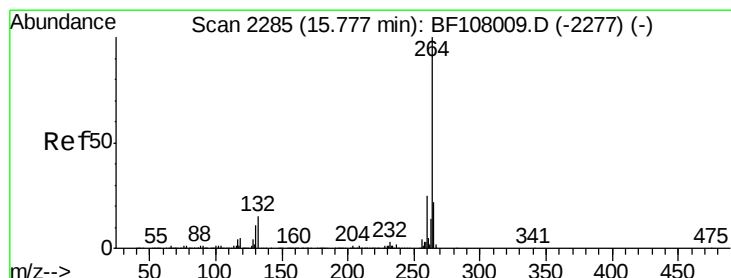
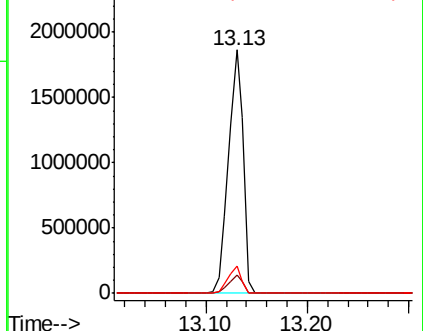
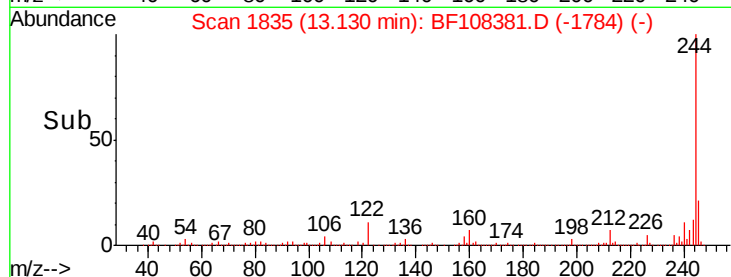
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	11.3	11.0	16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

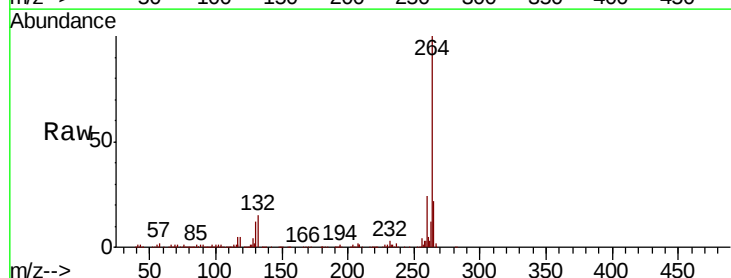
Delta R.T. -0.01 min

Lab File: BF108381.D

Acq: 22 Aug 2018 14:22

Tgt Ion:264 Resp: 313062

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.5	26.3



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

