

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
 Data File : BF108597.D
 Acq On : 29 Aug 2018 11:52
 Operator : JU/SJ
 Sample : PB112381BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 12:52:28 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

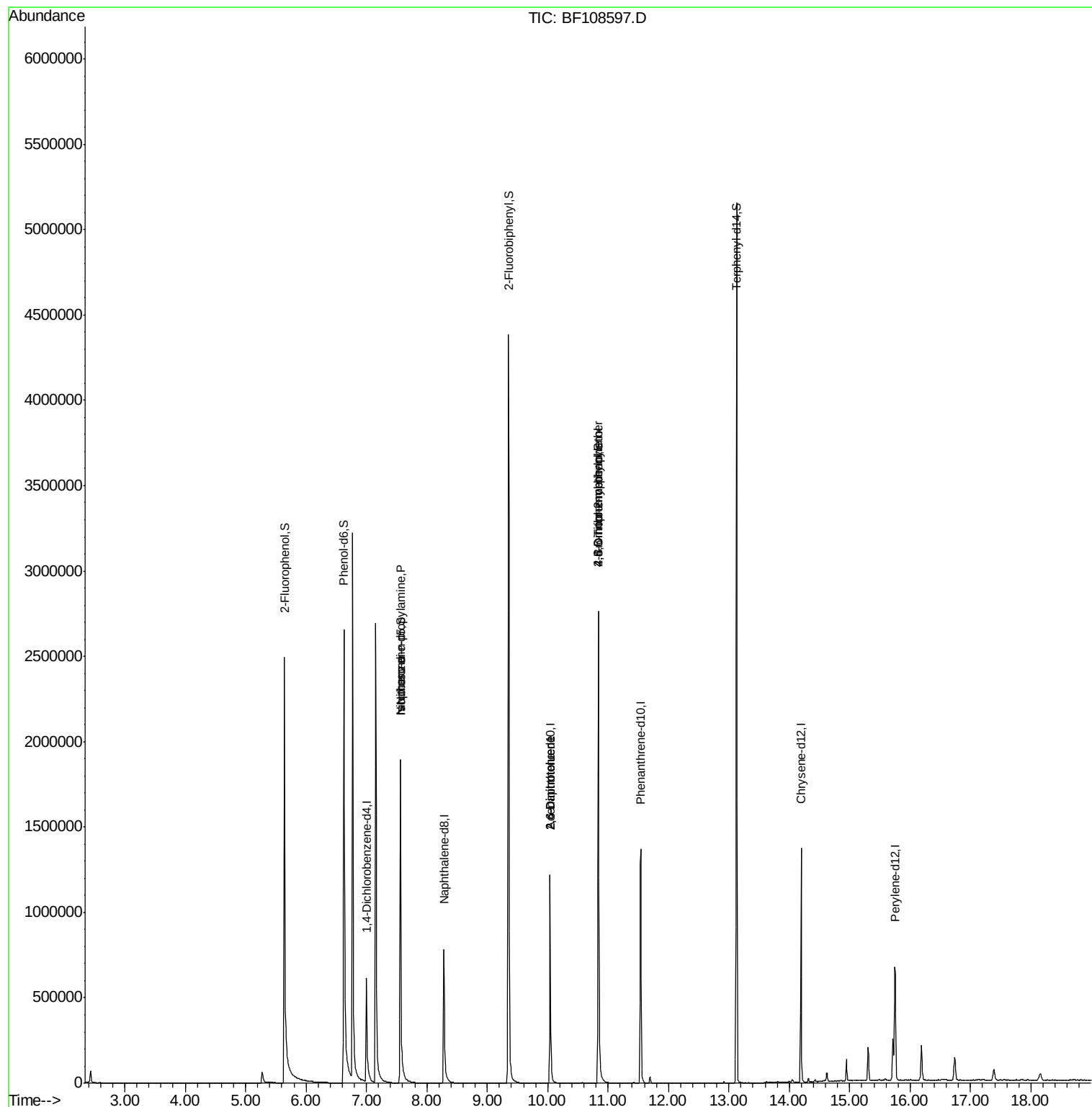
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	142063	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	557647	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	289337	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	611811	20.00	ng	0.00
75) Chrysene-d12	14.19	240	498266	20.00	ng	0.00
86) Perylene-d12	15.75	264	369491	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	952721	121.42	ng	0.01
7) Phenol-d6	6.63	99	1323489	126.92	ng	0.00
23) Nitrobenzene-d5	7.57	82	882592	88.32	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	426819	147.89	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	1722139	95.56	ng	-0.01
78) Terphenyl-d14	13.13	244	1964442	100.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	116367	16.503	ng	# 82
25) Isophorone	7.57	82	882587	46.335	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	36691	8.701	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	36811	6.782	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	979	5.737	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	27946	4.203	ng	# 1

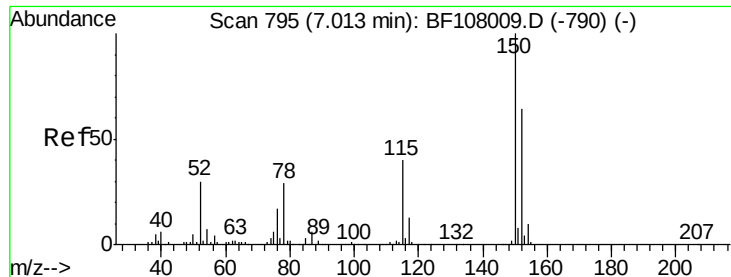
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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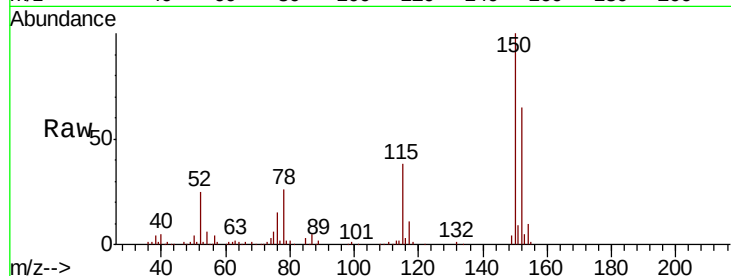


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108597.D
Acq: 29 Aug 2018 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	58.9	50.1	75.1

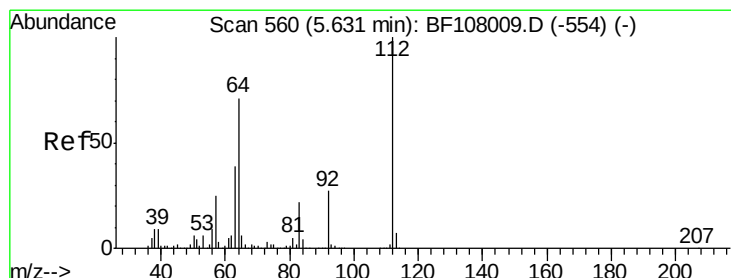
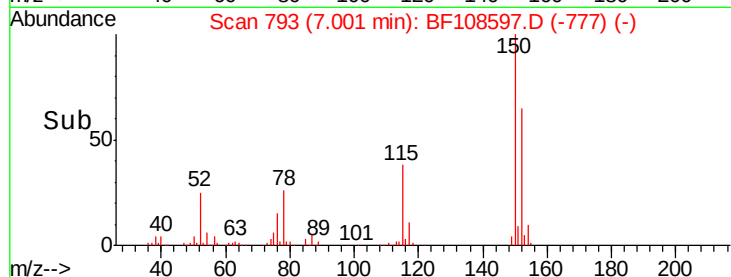
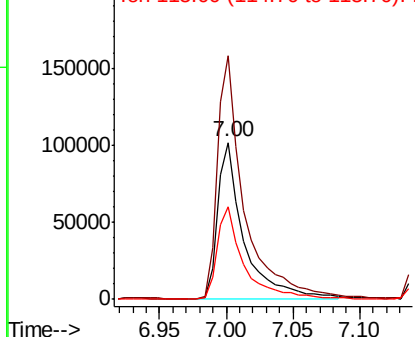


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

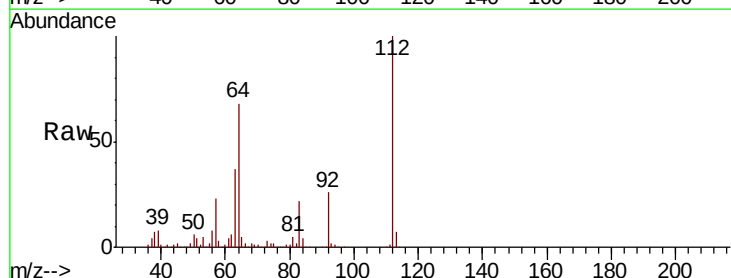
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.415 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108597.D
Acq: 29 Aug 2018 11:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	36.5	23.7	35.5#

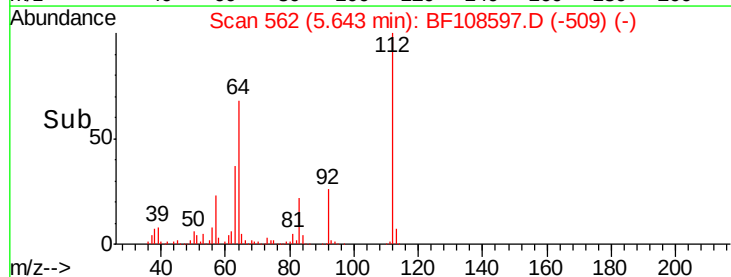
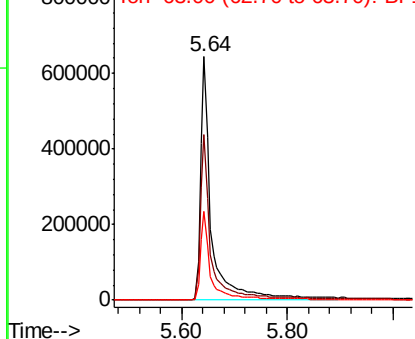


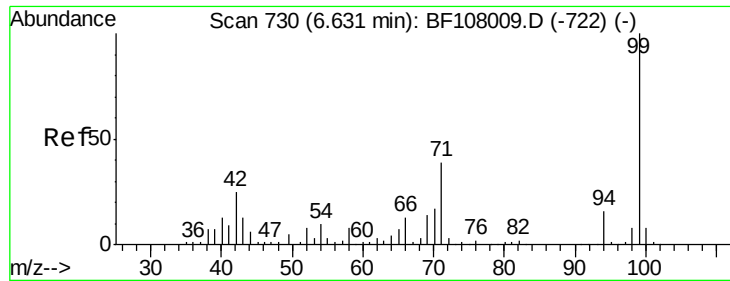
Abundance

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: 126.925 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108597.D

Acq: 29 Aug 2018 11:52

Instrument :

BNA_F

ClientSampled :

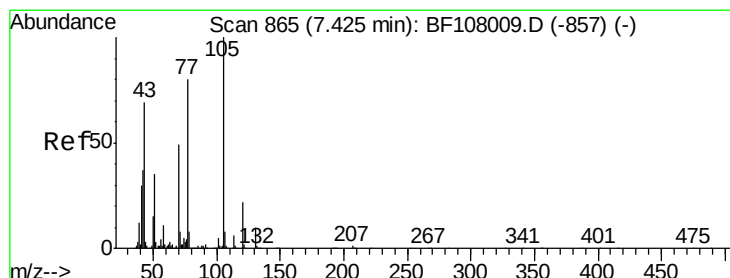
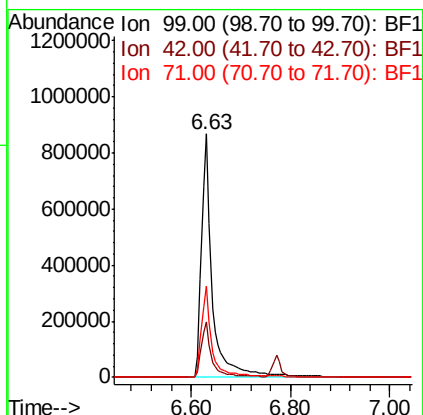
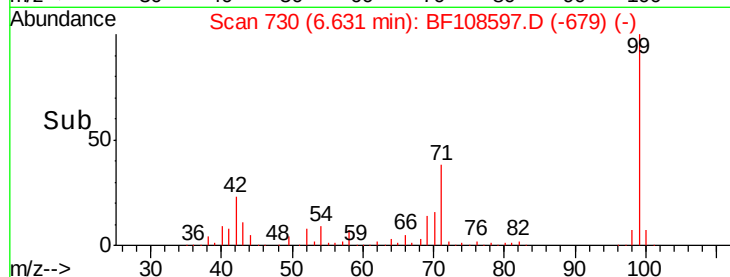
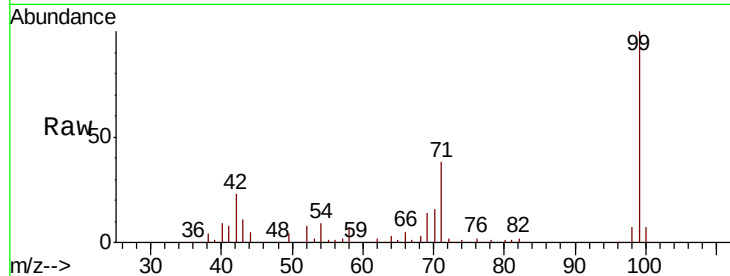
Tot Ion: 99 Resp: 1323489

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

71 37.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.503 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108597.D

Acq: 29 Aug 2018 11:52

Tgt Ion: 70 Resp: 116367

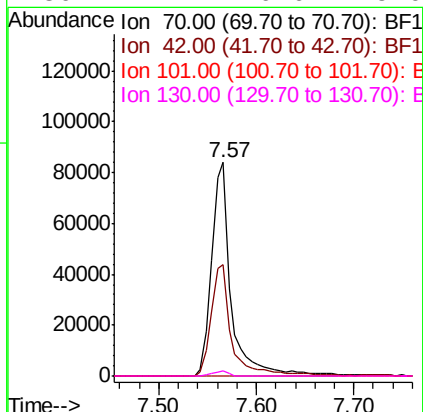
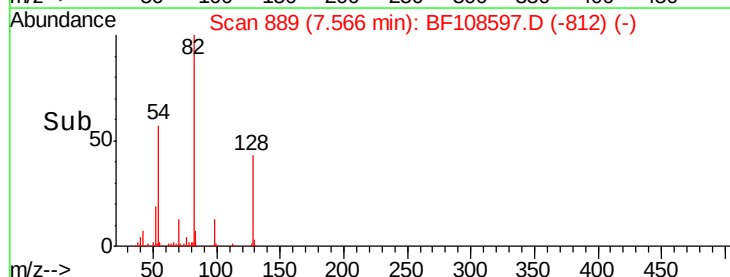
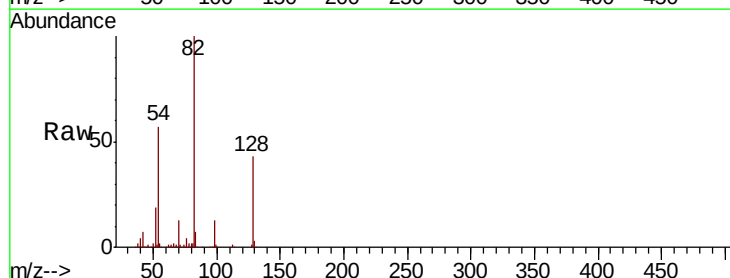
Ion Ratio Lower Upper

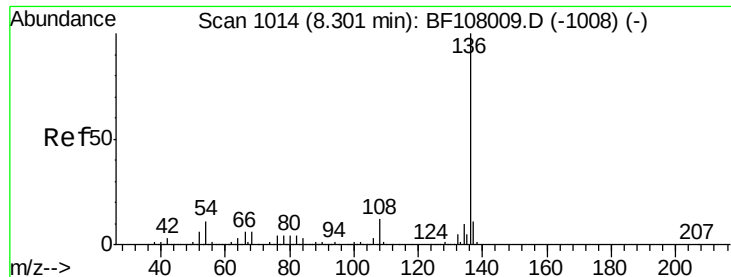
70 100

42 52.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

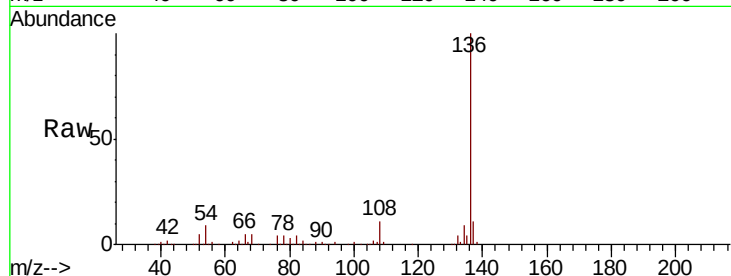




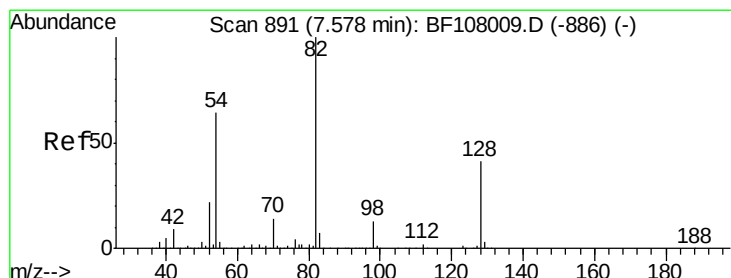
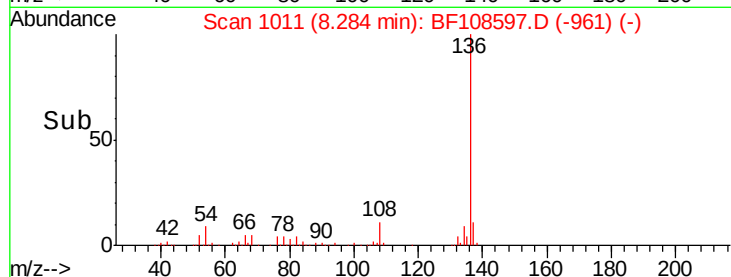
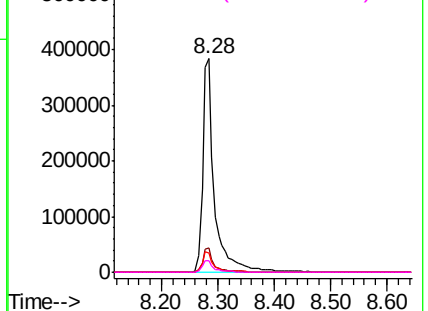
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108597.D
Acq: 29 Aug 2018 11:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	557647
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.9	13.3
54 9.3	6.6	9.8
68 5.3	5.0	7.4

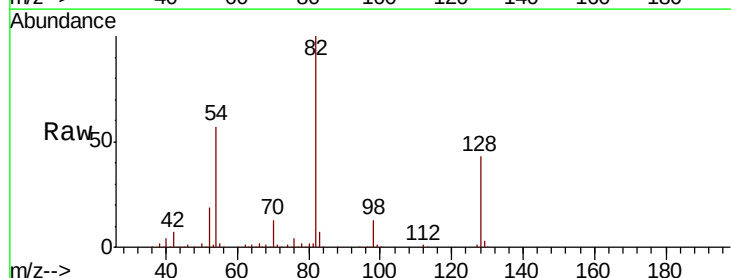


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

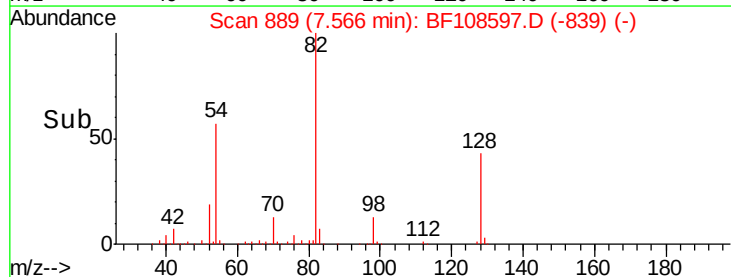
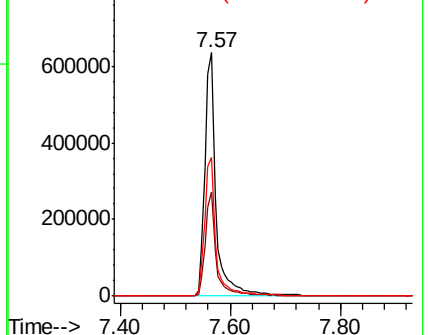


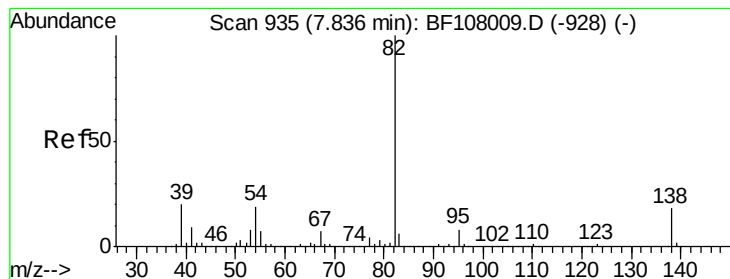
#23
Nitrobenzene-d5
Concen: 88.317 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108597.D
Acq: 29 Aug 2018 11:52

Tgt	Ion: 82	Resp:	882592
Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	56.8	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





#25

Isophorone

Concen: 46.335 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108597.D

Acq: 29 Aug 2018 11:52

Instrument :

BNA_F

ClientSampled :

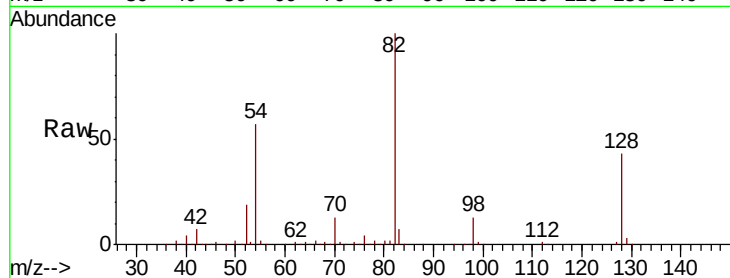
Tot Ion: 82 Resp: 882587

Ion Ratio Lower Upper

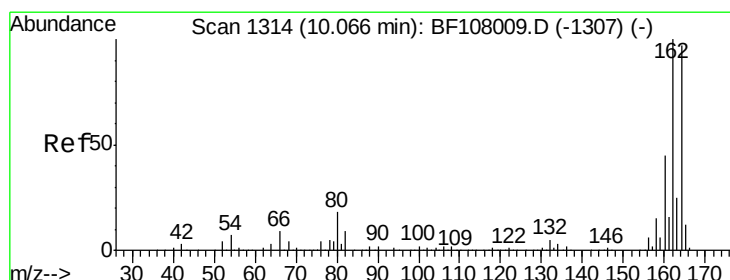
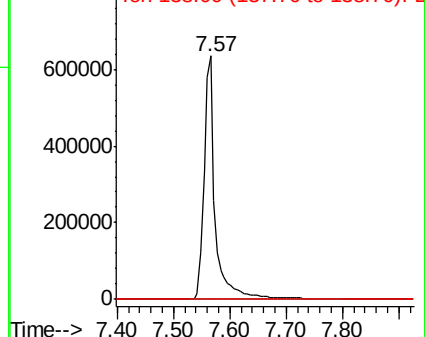
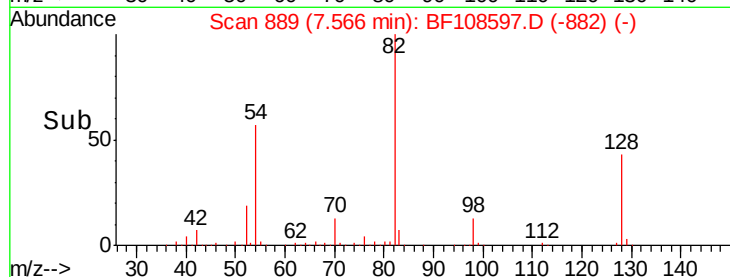
82 100

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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108597.D

Acq: 29 Aug 2018 11:52

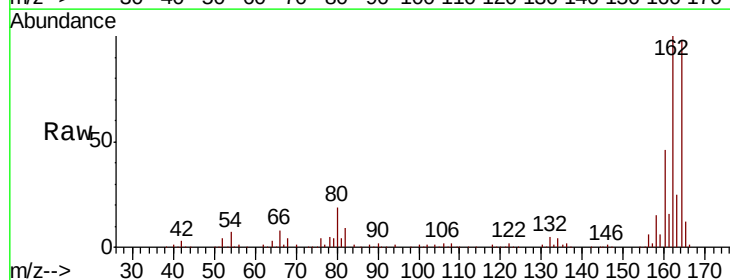
Tgt Ion: 164 Resp: 289337

Ion Ratio Lower Upper

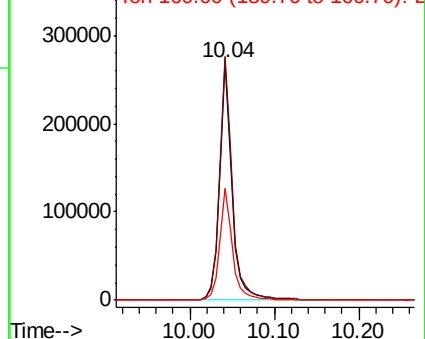
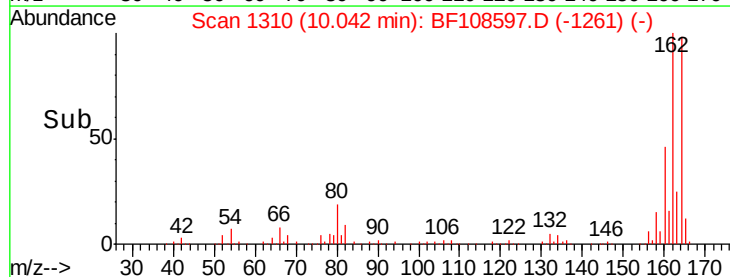
164 100

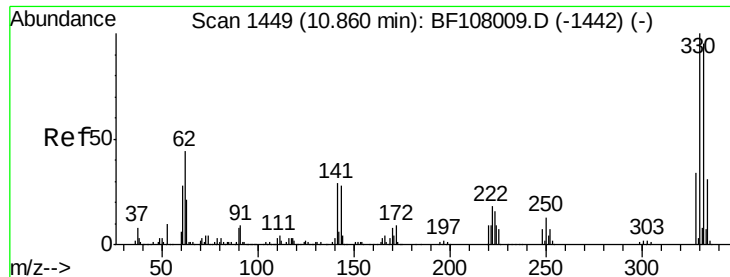
162 102.3 86.1 129.1

160 47.1 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

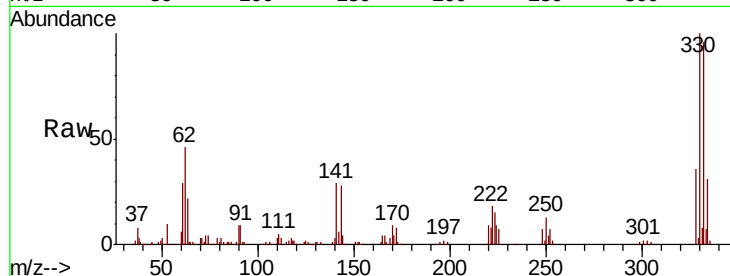




#41
 2,4,6-Tribromophenol
 Concen: 147.890 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108597.D
 Acq: 29 Aug 2018 11:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	32.2	29.9	44.9

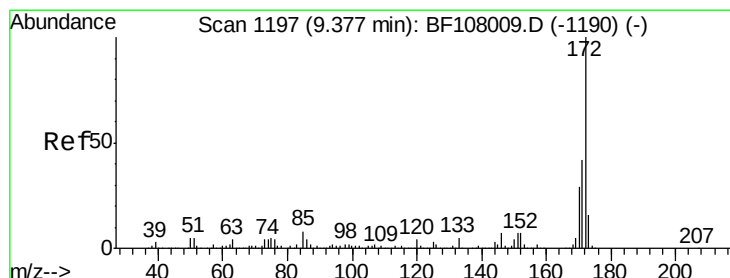
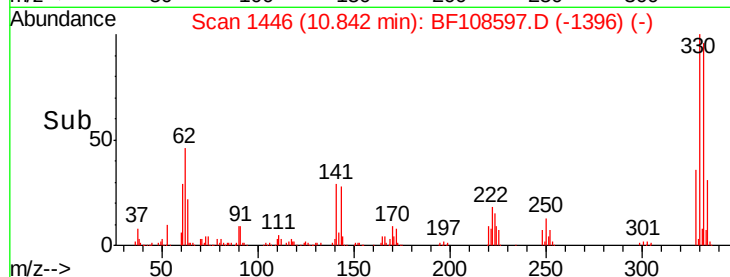
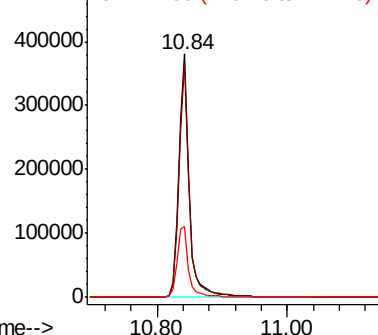


Abundance

Ion 329.80 (329.50 to 330.50): E

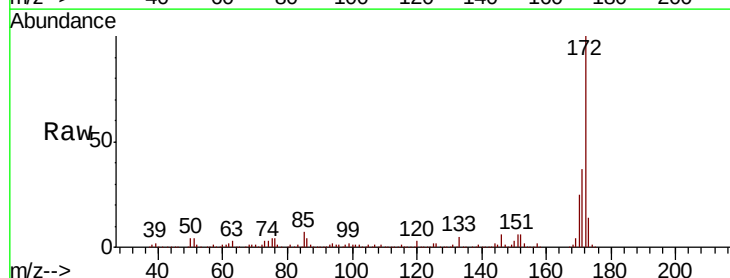
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 95.558 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108597.D
 Acq: 29 Aug 2018 11:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	25.1	19.6	29.4

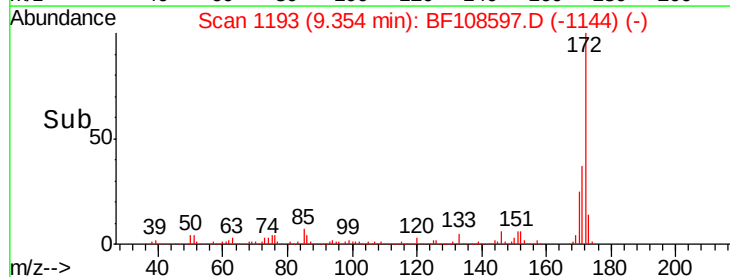
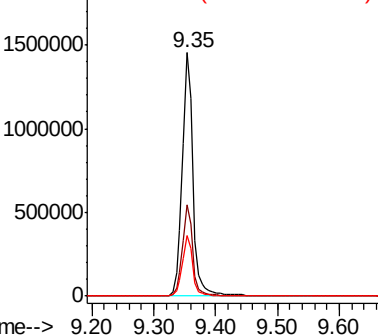


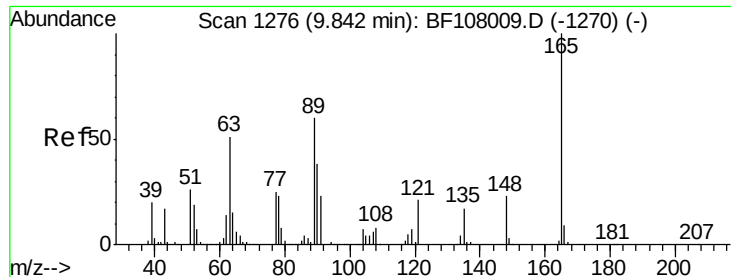
Abundance

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

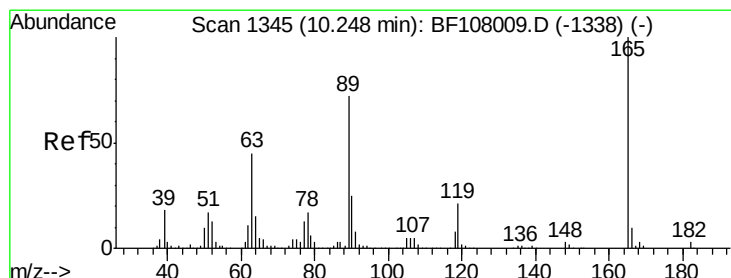
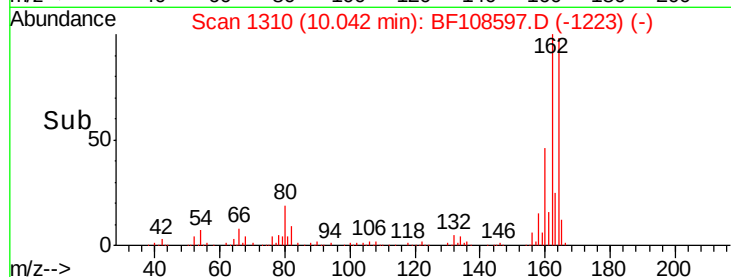
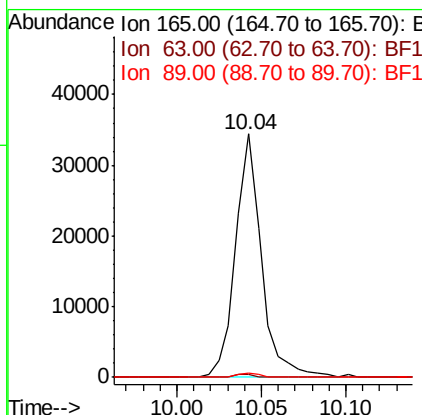
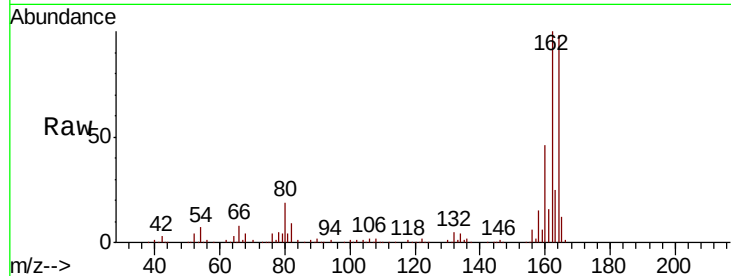




#50
 2,6-Dinitrotoluene
 Concen: 8.701 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF108597.D
 Acq: 29 Aug 2018 11:52

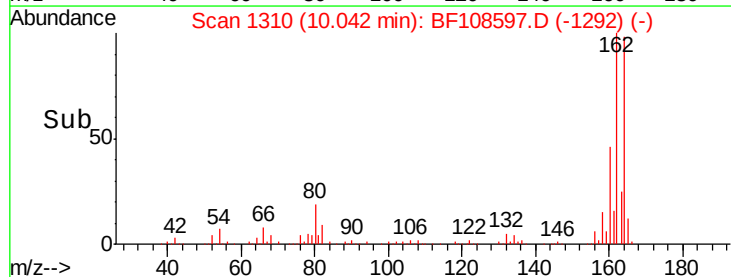
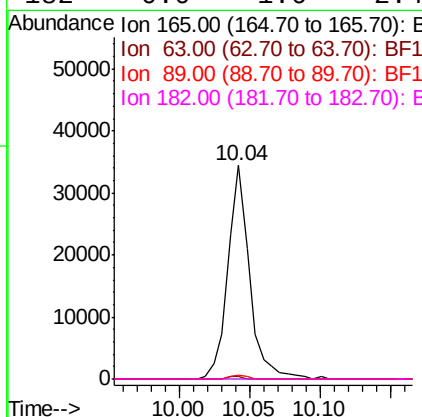
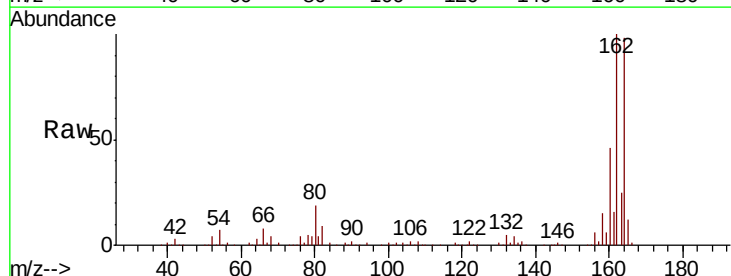
Instrument :
 BNA_F
 ClientSampleId :

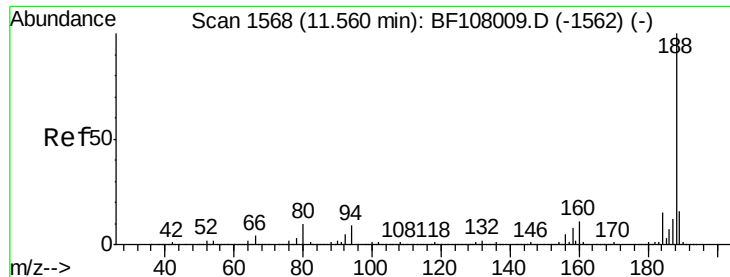
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.782 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108597.D
 Acq: 29 Aug 2018 11:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

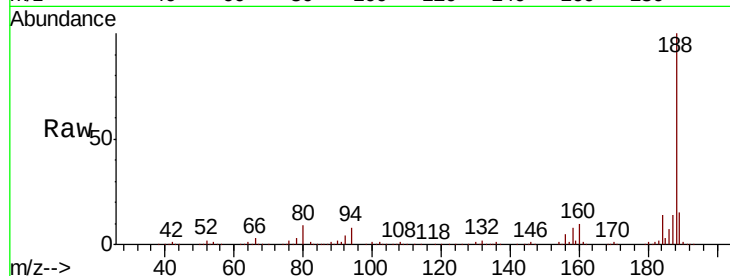




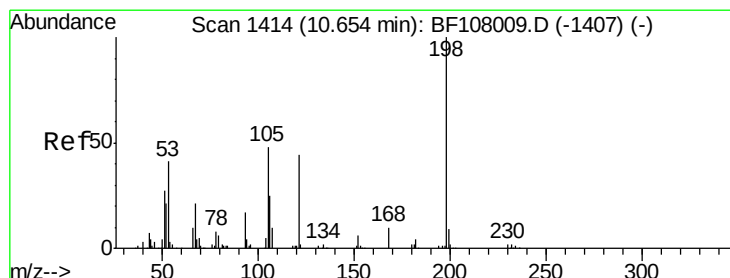
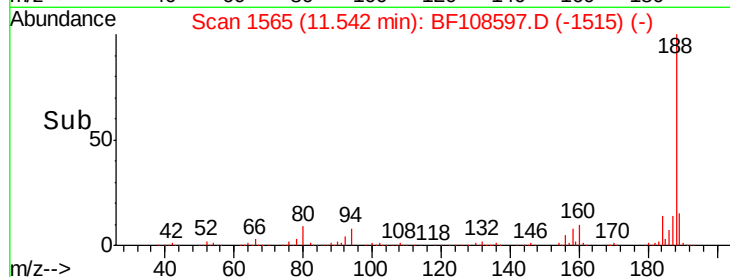
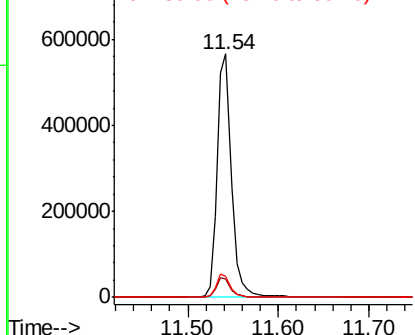
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108597.D
 Acq: 29 Aug 2018 11:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 611811
 Ion Ratio Lower Upper
 188 100
 94 7.6 8.5 12.7#
 80 8.8 9.2 13.8#

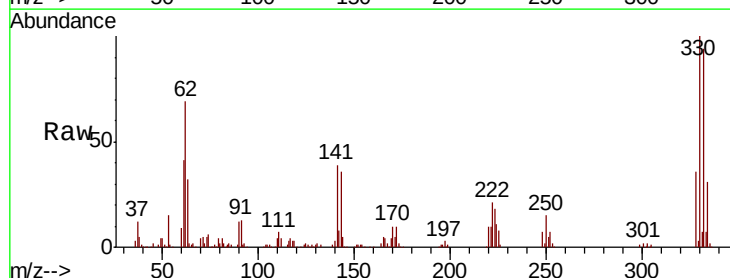


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

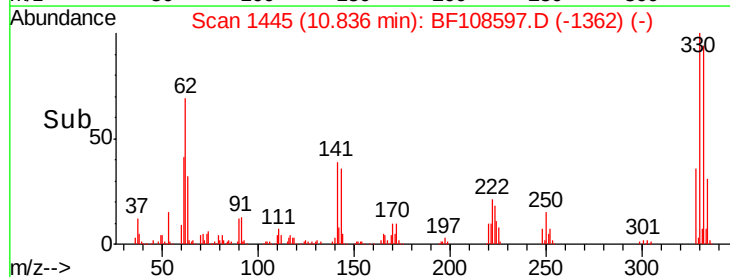
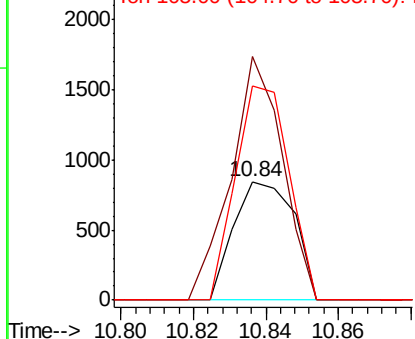


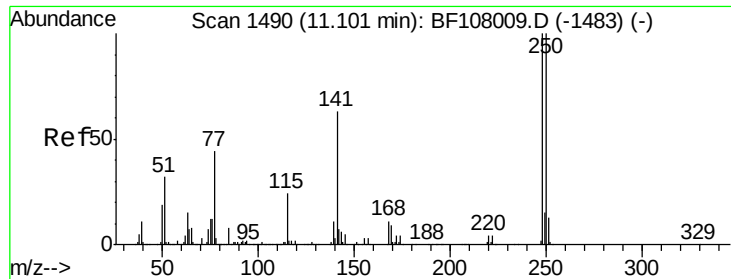
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.737 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108597.D
 Acq: 29 Aug 2018 11:52

Tgt Ion:198 Resp: 979
 Ion Ratio Lower Upper
 198 100
 51 205.7 37.7 77.7#
 105 181.3 36.3 76.3#



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

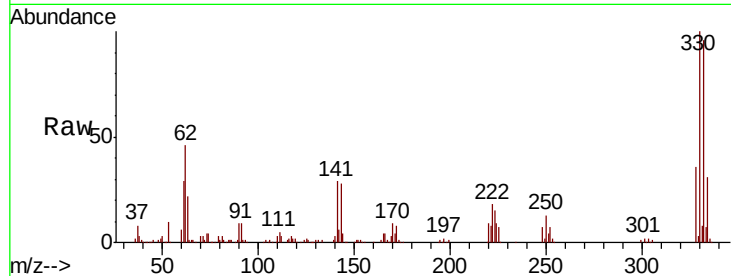




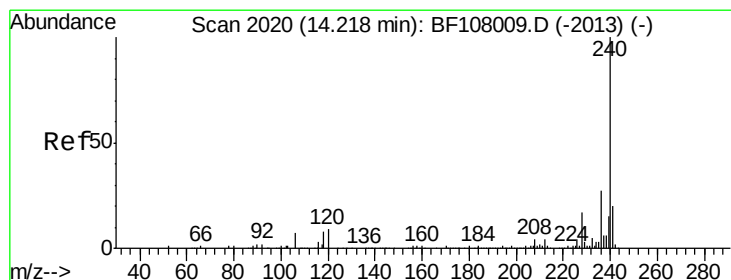
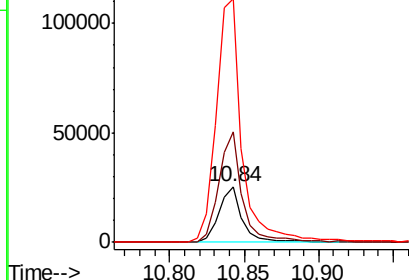
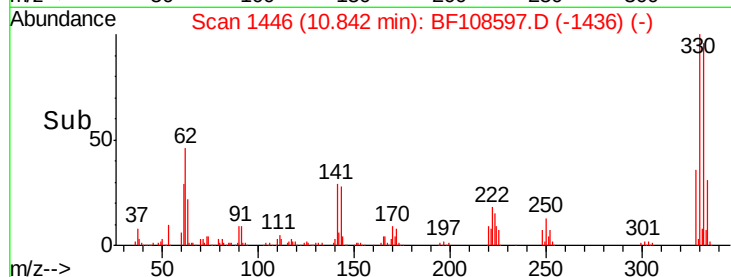
#66
4-Bromophenyl-phenylether
Concen: 4.203 ng
RT: 10.84 min Scan# 1446
Delta R.T. -0.24 min
Lab File: BF108597.D
Acq: 29 Aug 2018 11:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 27946
Ion Ratio Lower Upper
248 100
250 198.1 76.9 115.3#
141 437.0 74.4 111.6#

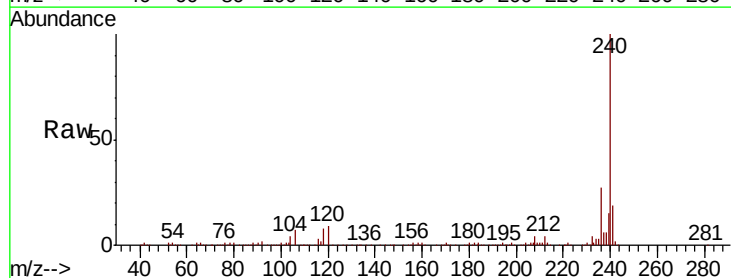


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

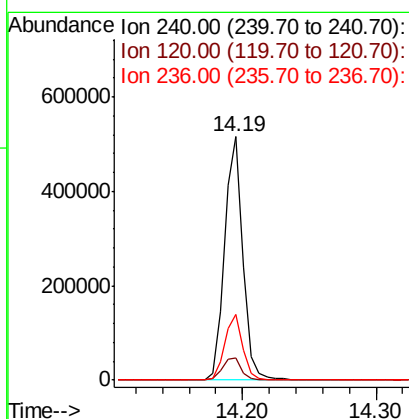
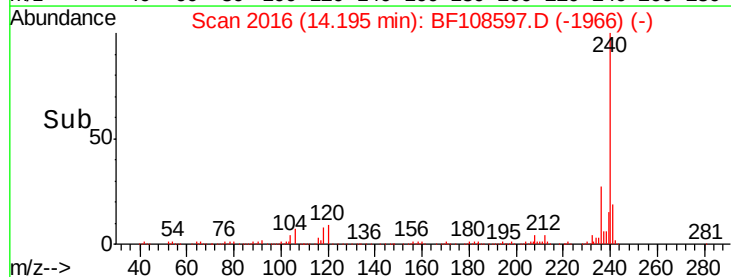


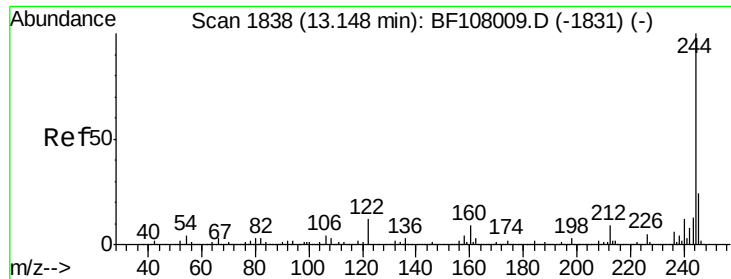
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108597.D
Acq: 29 Aug 2018 11:52

Tgt Ion:240 Resp: 498266
Ion Ratio Lower Upper
240 100
120 9.1 9.5 14.3#
236 26.9 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: 100.242 ng

RT: 13.13 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF108597.D

Acq: 29 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

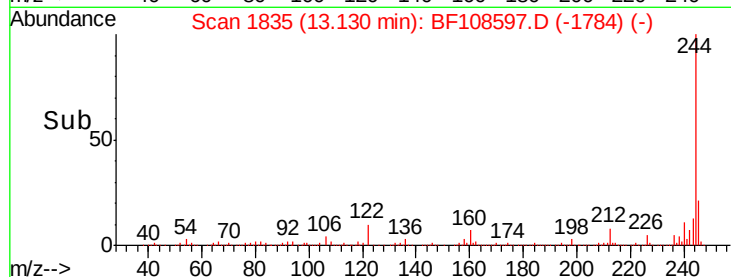
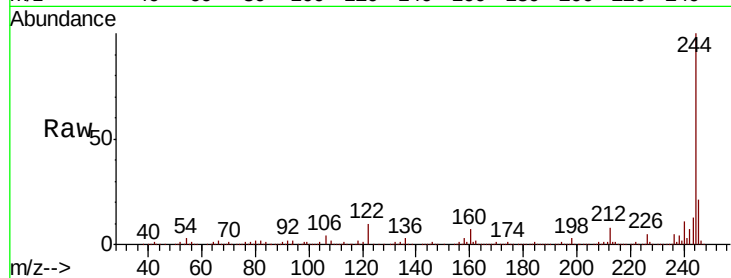
Tot Ion:244 Resp: 1964442

Ion Ratio Lower Upper

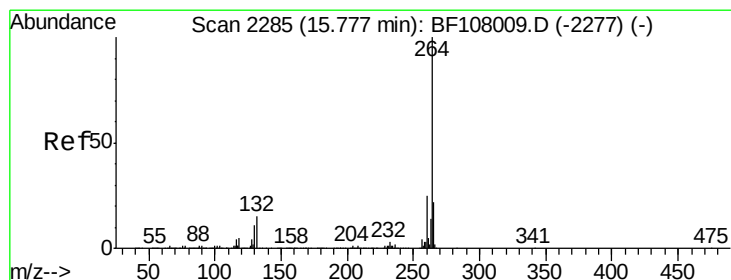
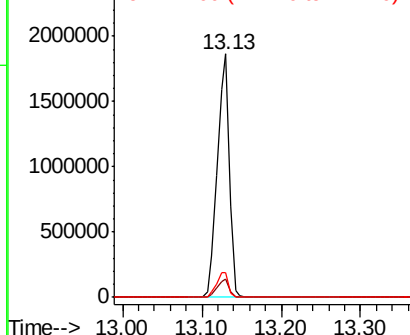
244 100

212 7.6 5.4 8.0

122 10.2 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: BF108597.D

Acq: 29 Aug 2018 11:52

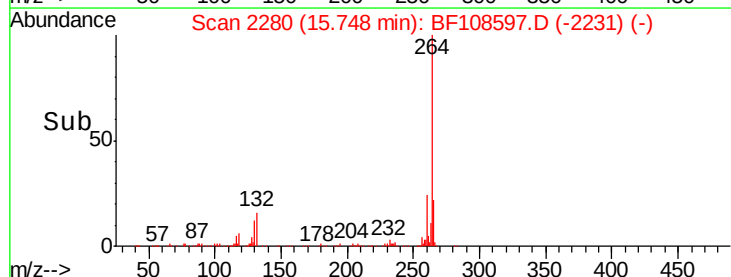
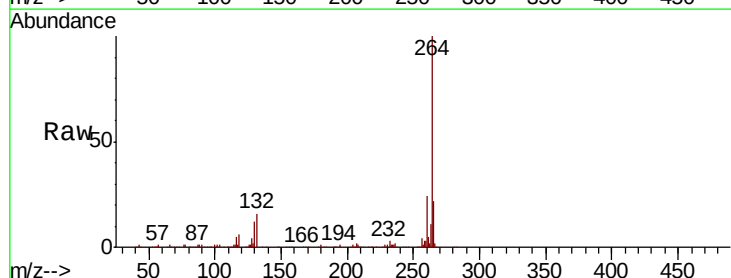
Tgt Ion:264 Resp: 369491

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.8 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

