

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108282.D
 Acq On : 20 Aug 2018 11:44
 Operator : JU/SJ
 Sample : PB112114BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB112114BL

Quant Time: Aug 20 13:03:22 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 08 12:24:24 2018
 Response via : Initial Calibration

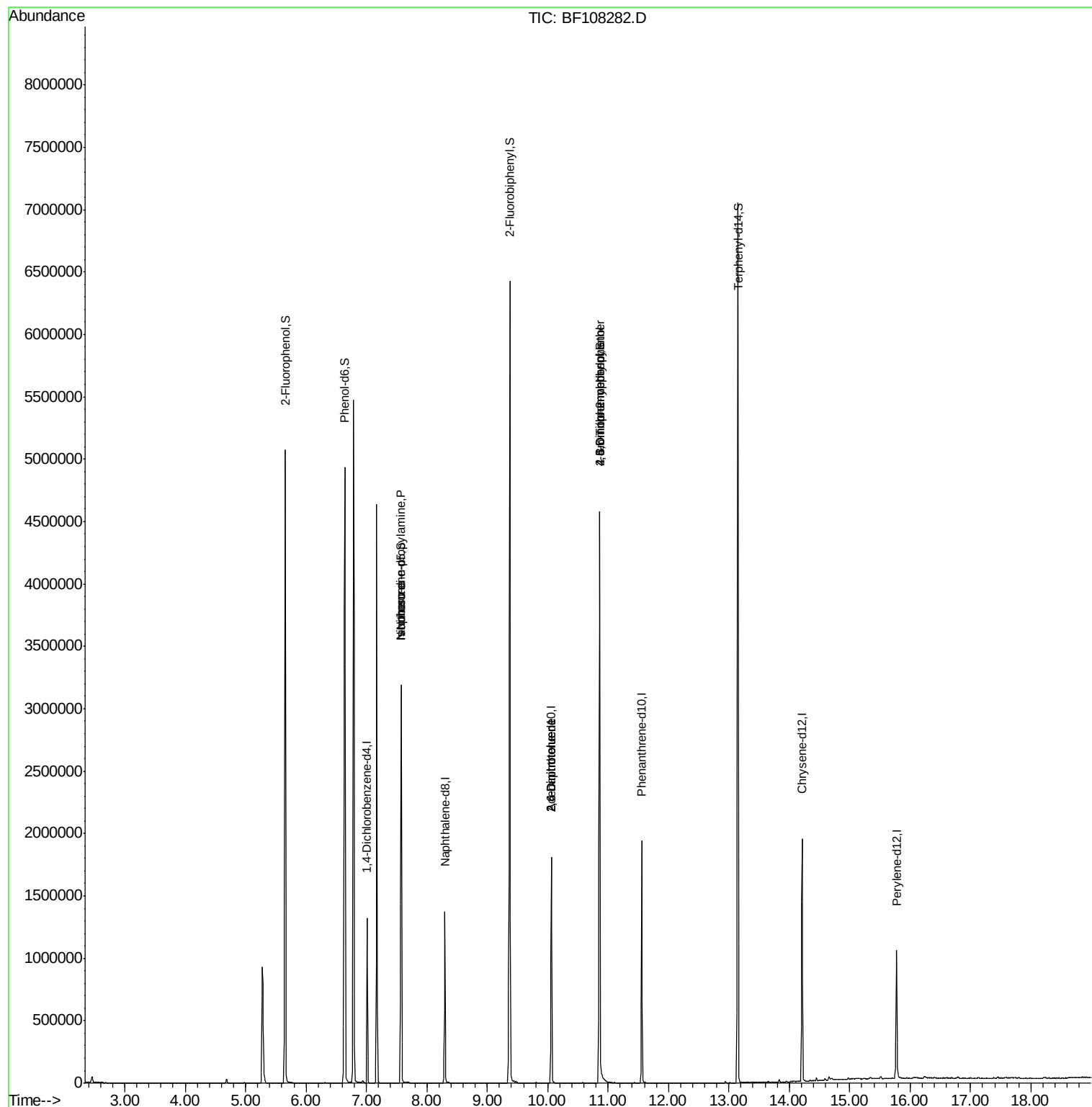
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	180820	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	689135	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	355913	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	739165	20.00	ng	0.00
75) Chrysene-d12	14.21	240	640831	20.00	ng	0.00
86) Perylene-d12	15.78	264	529714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	1443403	144.52	ng	0.03
7) Phenol-d6	6.64	99	1954150	147.24	ng	0.01
23) Nitrobenzene-d5	7.58	82	1299203	105.20	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	636198	179.20	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2401626	108.33	ng	0.00
78) Terphenyl-d14	13.15	244	2806000	111.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	177800	19.811	ng	# 82
25) Isophorone	7.58	82	1289155	54.766	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	47351	9.129	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	47351	7.092	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	1341	5.788	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	42210	5.255	ng	# 1

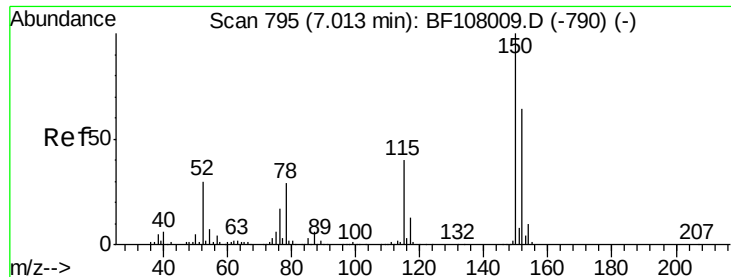
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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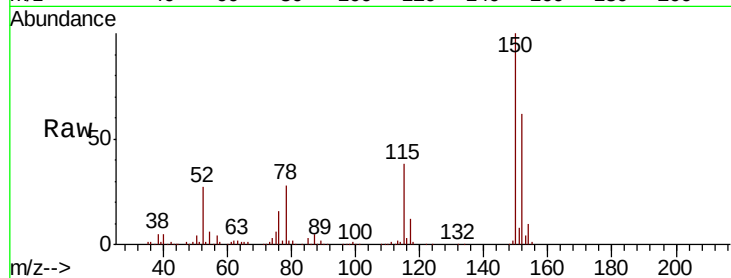


#1

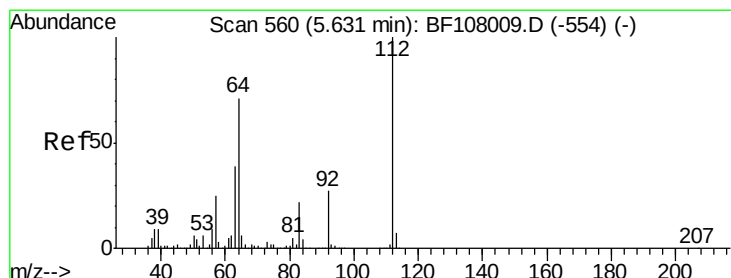
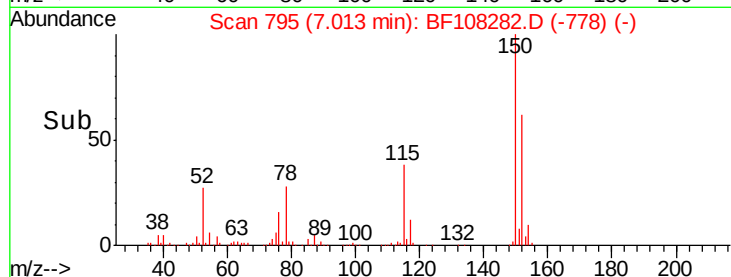
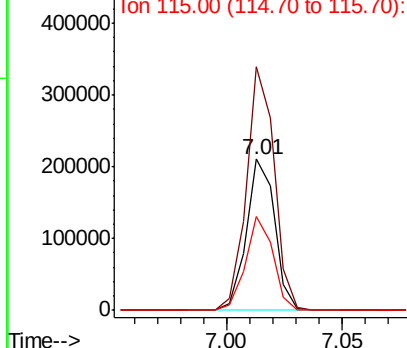
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108282.D
Acq: 20 Aug 2018 11:44

Instrument :
BNA_F
ClientSampleId :
PB112114BL

Tot Ion:152 Resp: 180820
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 61.7 50.1 75.1



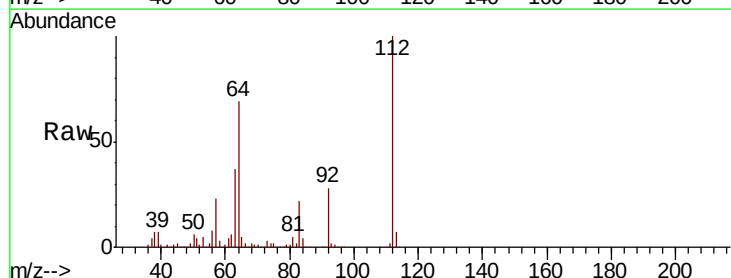
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



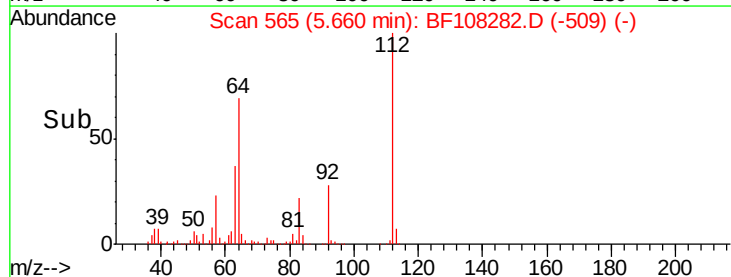
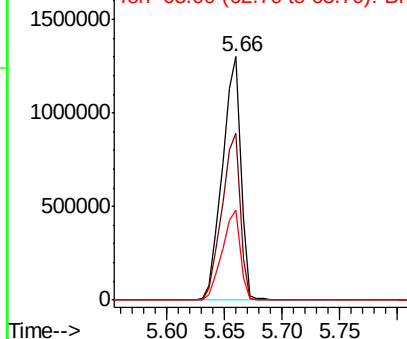
#5

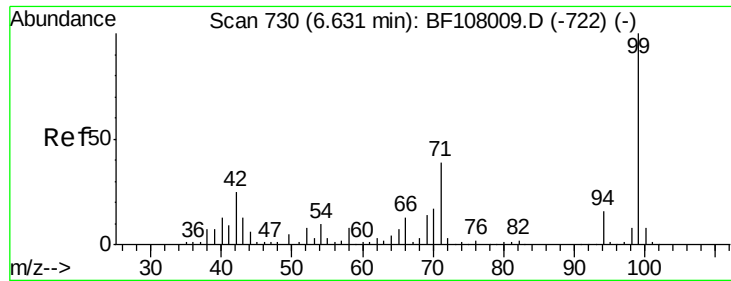
2-Fluorophenol
Concen: 144.520 ng
RT: 5.66 min Scan# 565
Delta R.T. 0.03 min
Lab File: BF108282.D
Acq: 20 Aug 2018 11:44

Tgt Ion:112 Resp: 1443403
Ion Ratio Lower Upper
112 100
64 68.5 47.9 71.9
63 37.0 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: 147.237 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108282.D

Acq: 20 Aug 2018 11:44

Instrument :

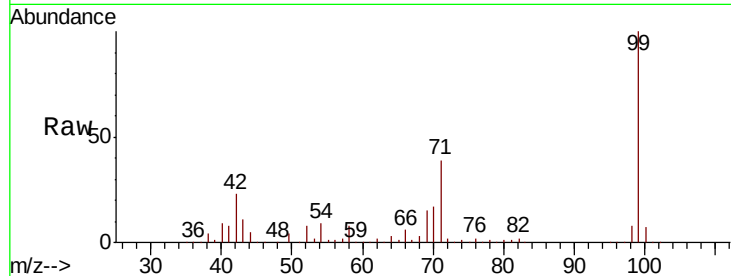
BNA_F

ClientSampleId :

PB112114BL

Tot Ion: 99 Resp: 1954150

Ion	Ratio	Lower	Upper
99	100		
42	22.9	14.5	21.7#
71	38.5	25.4	38.0#

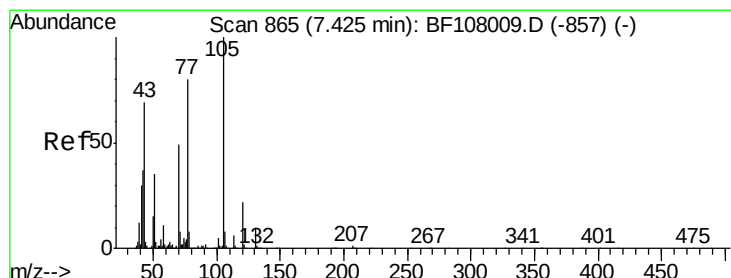
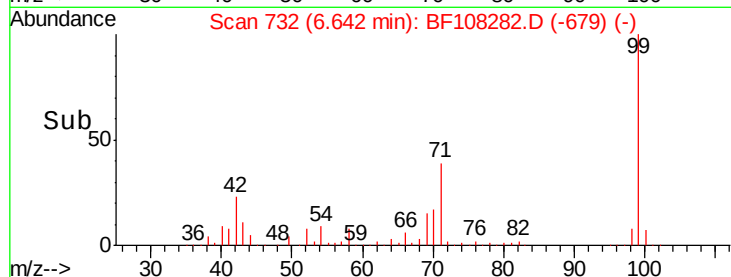
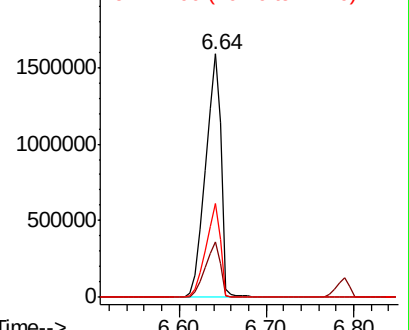


Abundance

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: 19.811 ng

RT: 7.58 min Scan# 891

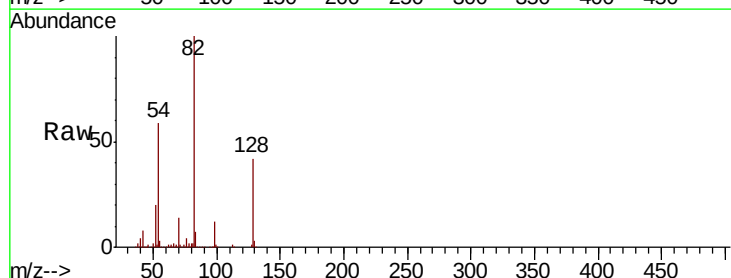
Delta R.T. 0.15 min

Lab File: BF108282.D

Acq: 20 Aug 2018 11:44

Tgt Ion: 70 Resp: 177800

Ion	Ratio	Lower	Upper
70	100		
42	52.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



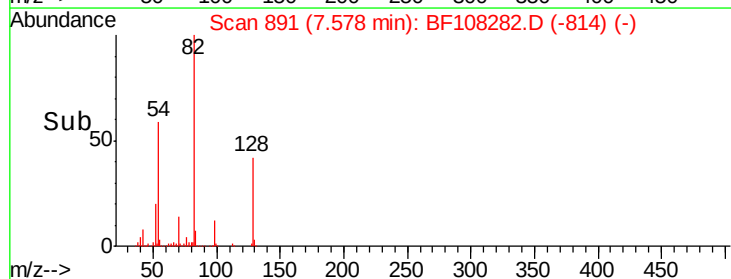
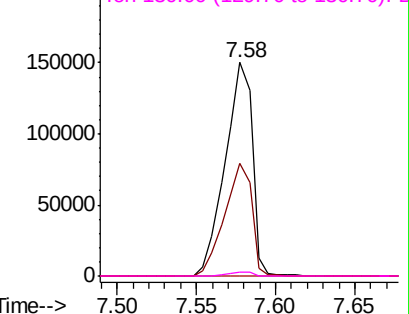
Abundance

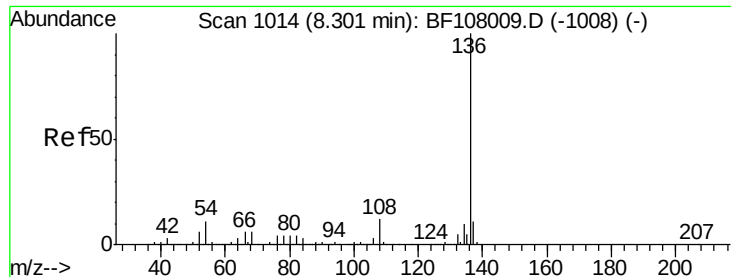
Ion 70.00 (69.70 to 70.70): BF1

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

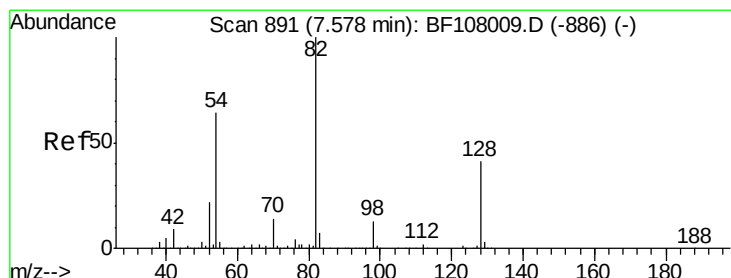
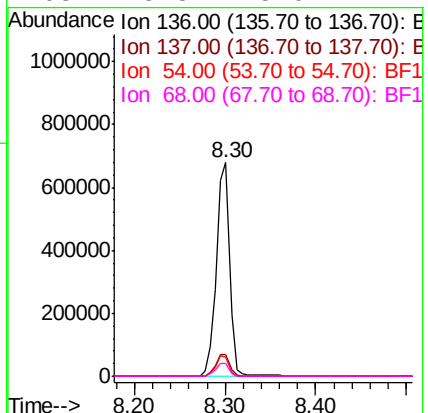
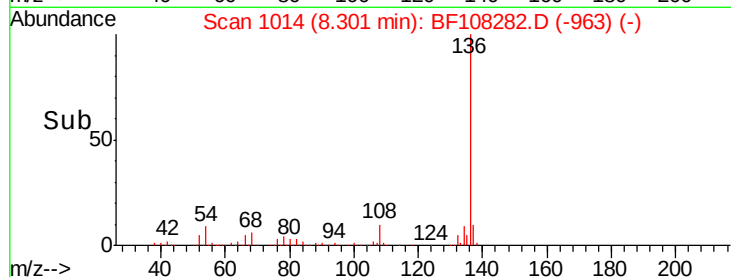
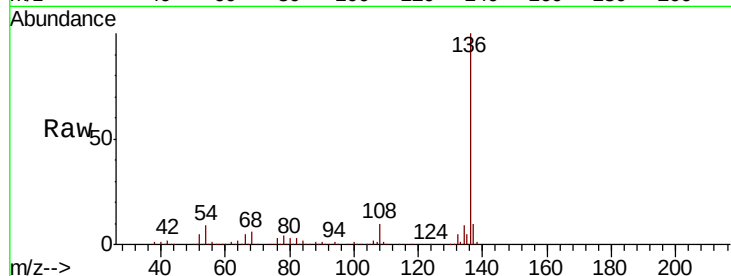




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108282.D
Acq: 20 Aug 2018 11:44

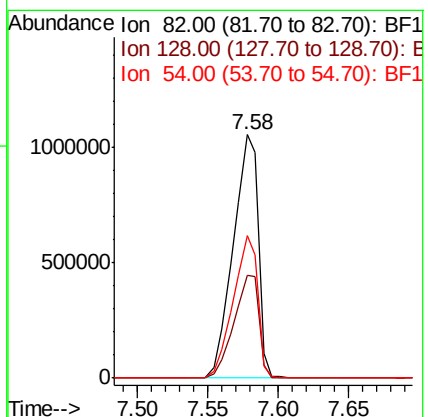
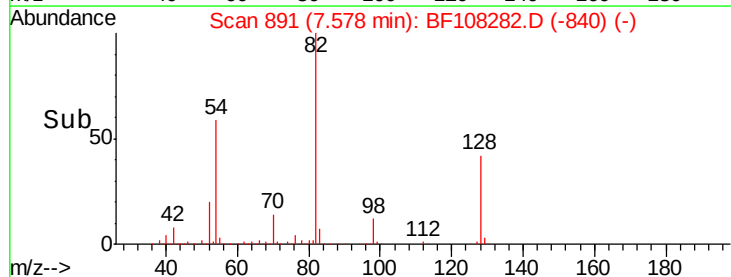
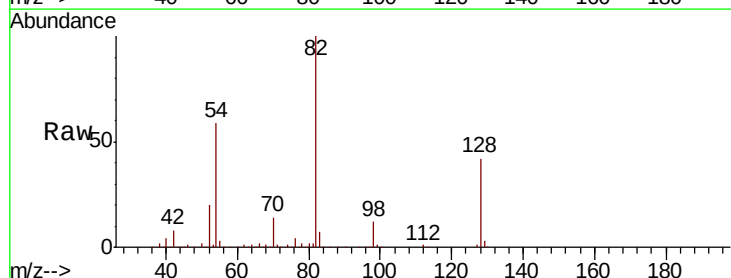
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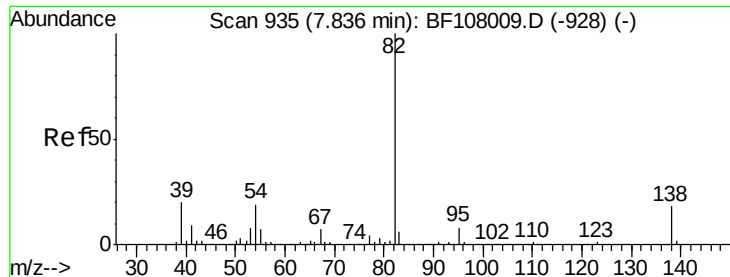
Tot Ion:136	Resp: 689135
Ion Ratio	Lower Upper
136 100	
137 10.5	8.9 13.3
54 8.9	6.6 9.8
68 5.8	5.0 7.4



#23
Nitrobenzene-d5
Concen: 105.201 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108282.D
Acq: 20 Aug 2018 11:44

Tgt Ion: 82	Resp: 1299203
Ion Ratio	Lower Upper
82 100	
128 42.2	36.1 54.1
54 58.7	41.4 62.2





#25

Isophorone

Concen: 54.766 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108282.D

Acq: 20 Aug 2018 11:44

Instrument :

BNA_F

ClientSampleId :

PB112114BL

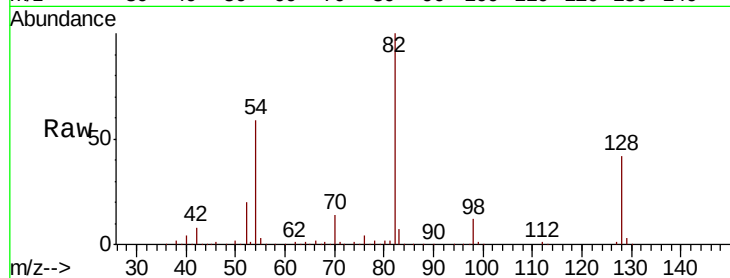
Tot Ion: 82 Resp: 1289155

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

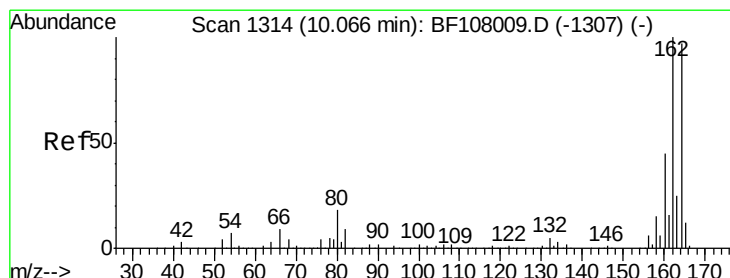
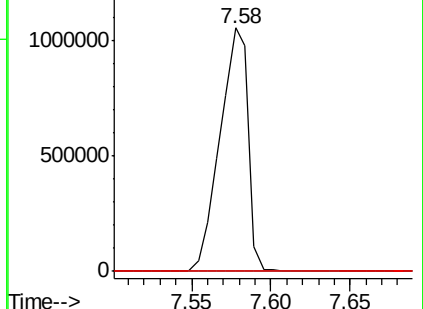
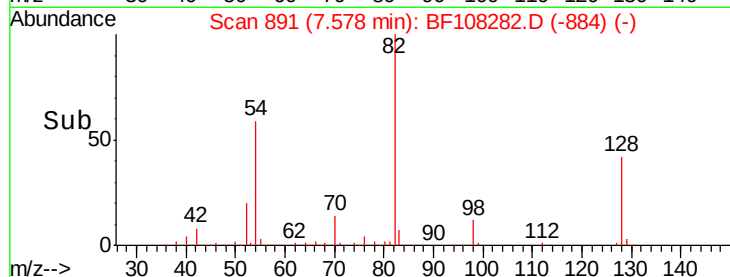
138 0.0 14.9 22.3#



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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108282.D

Acq: 20 Aug 2018 11:44

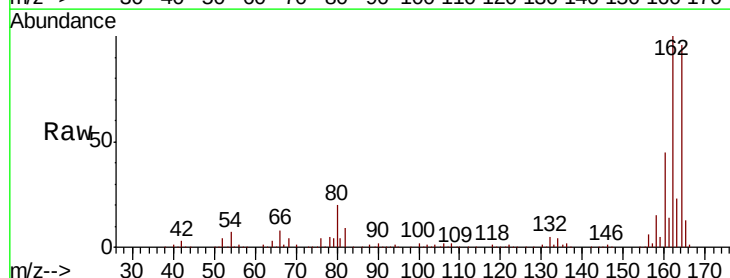
Tgt Ion:164 Resp: 355913

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

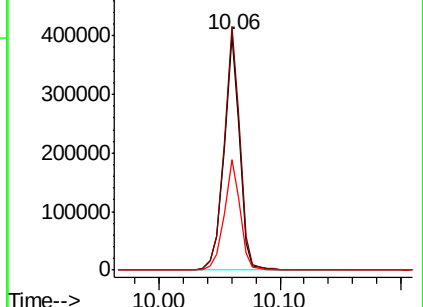
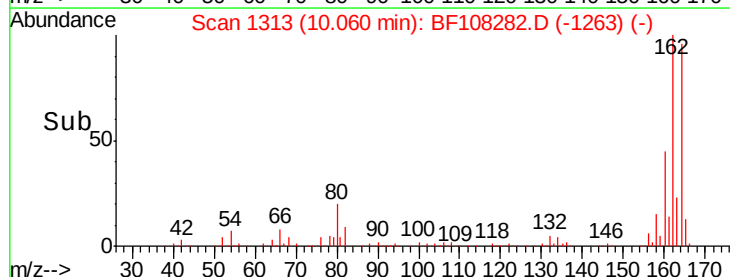
160 46.9 38.3 57.5

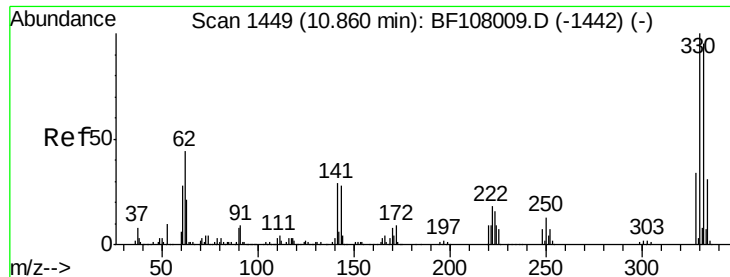


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

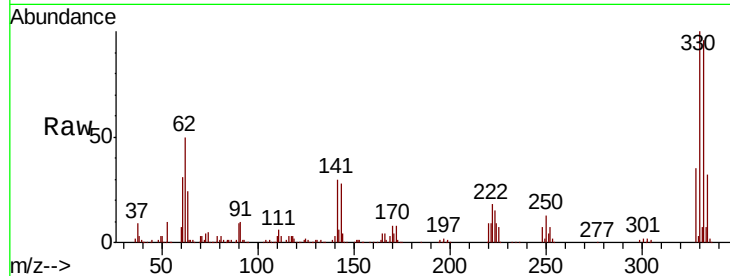




#41
 2,4,6-Tribromophenol
 Concen: 179.204 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108282.D
 Acq: 20 Aug 2018 11:44

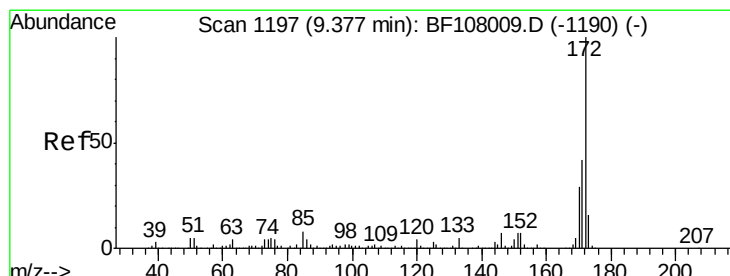
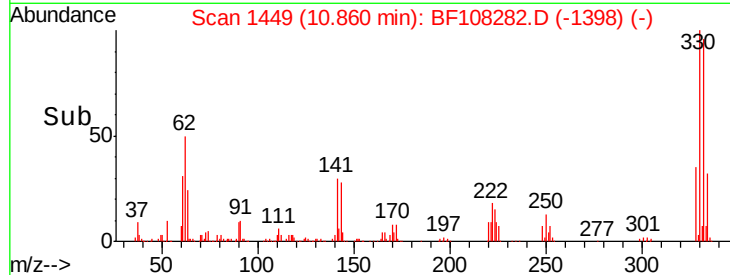
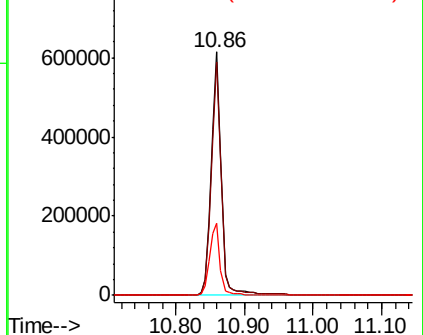
Instrument :
 BNA_F
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 PB112114BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	31.3	29.9	44.9



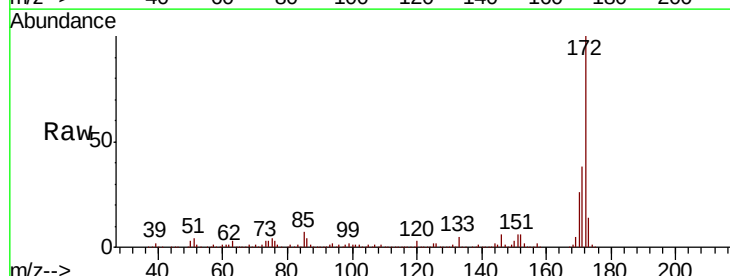
Abundance

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



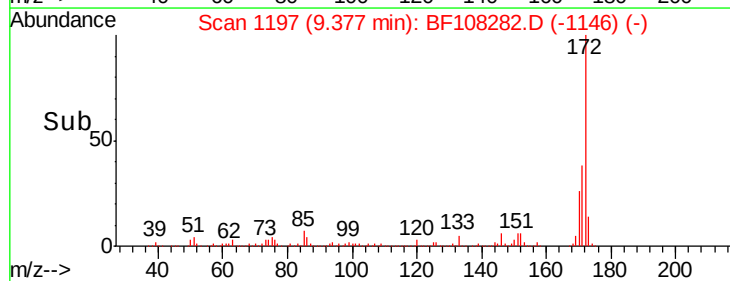
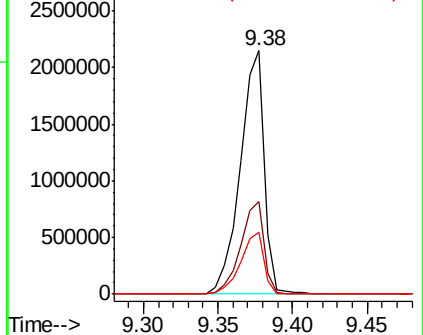
#44
 2-Fluorobiphenyl
 Concen: 108.334 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108282.D
 Acq: 20 Aug 2018 11:44

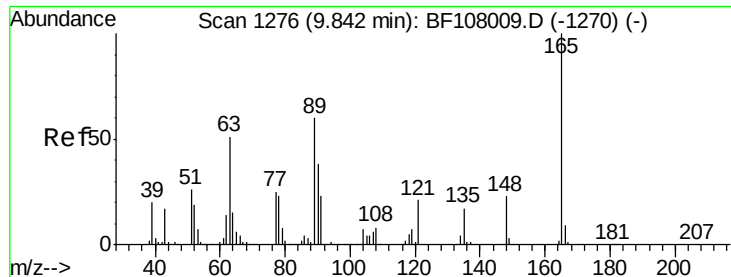
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.7	44.5
170	25.6	19.6	29.4



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

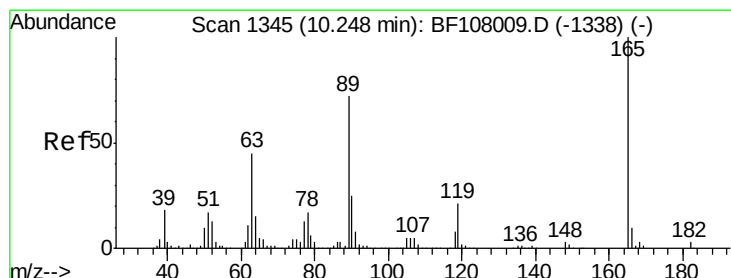
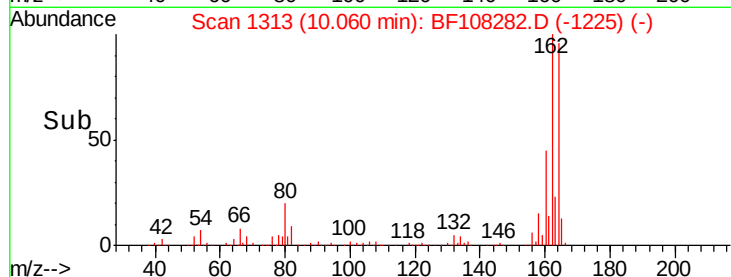
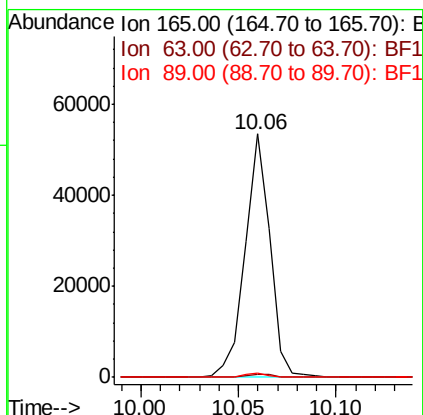
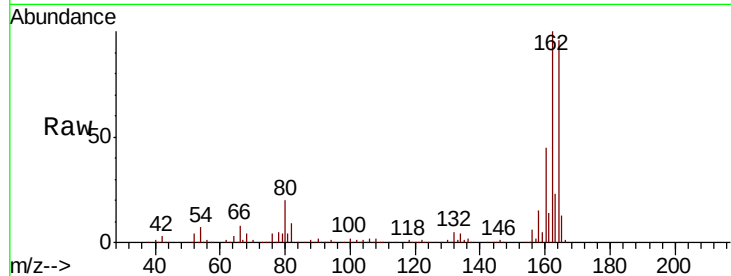




#50
 2,6-Dinitrotoluene
 Concen: 9.129 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108282.D
 Acq: 20 Aug 2018 11:44

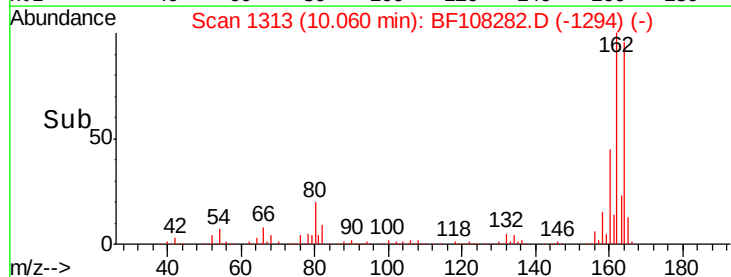
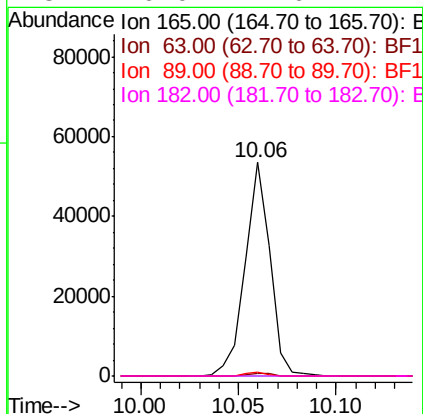
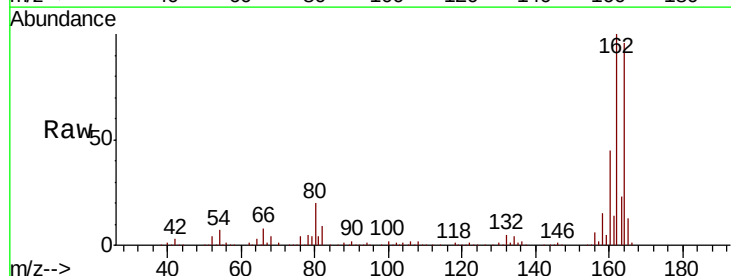
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 BNA_F
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 PB112114BL

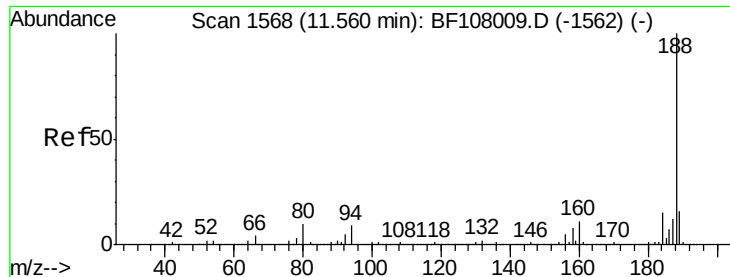
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.092 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108282.D
 Acq: 20 Aug 2018 11:44

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#

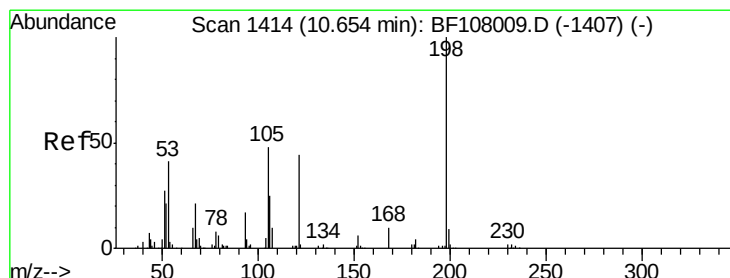
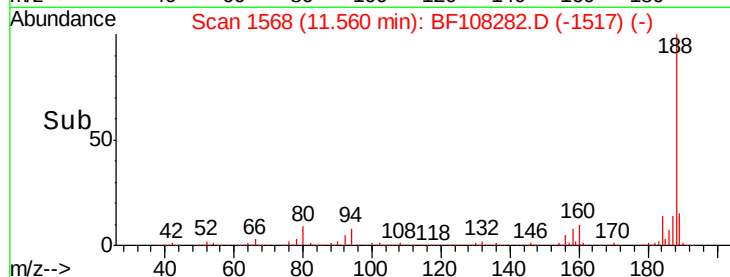
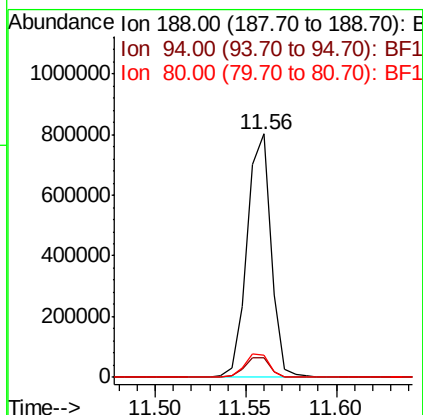
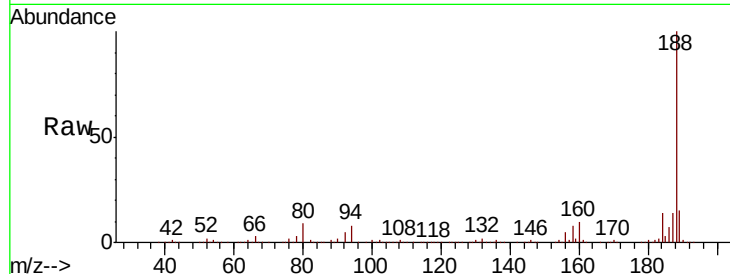




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108282.D
 Acq: 20 Aug 2018 11:44

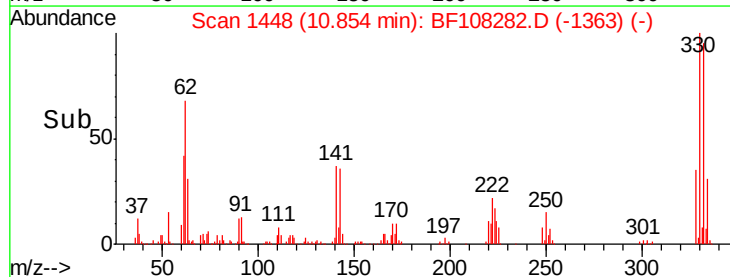
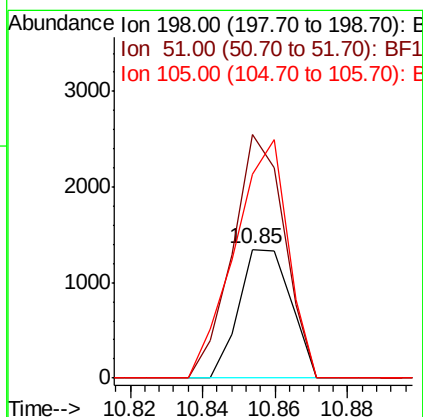
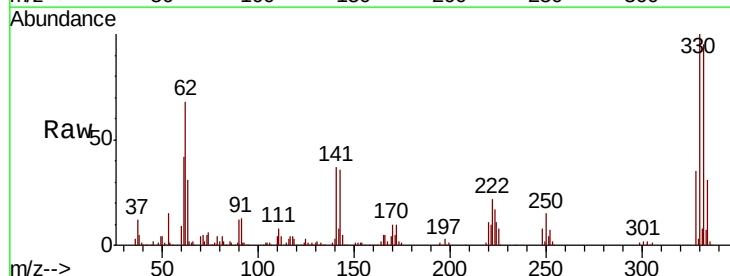
Instrument :
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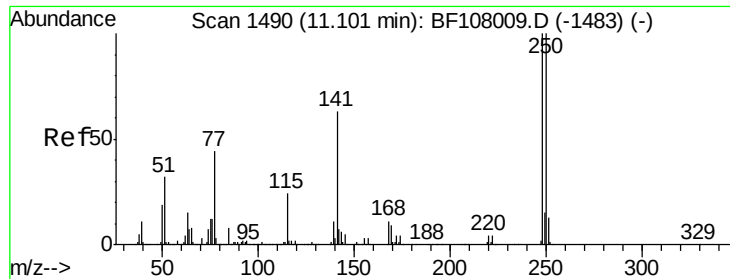
Tot Ion:188 Resp: 739165
 Ion Ratio Lower Upper
 188 100
 94 8.0 8.5 12.7#
 80 8.9 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.788 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108282.D
 Acq: 20 Aug 2018 11:44

Tgt Ion:198 Resp: 1341
 Ion Ratio Lower Upper
 198 100
 51 188.7 37.7 77.7#
 105 157.6 36.3 76.3#

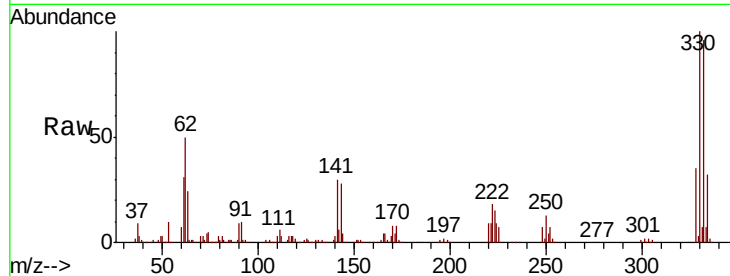




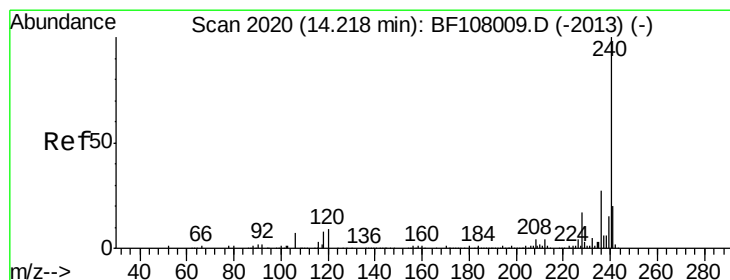
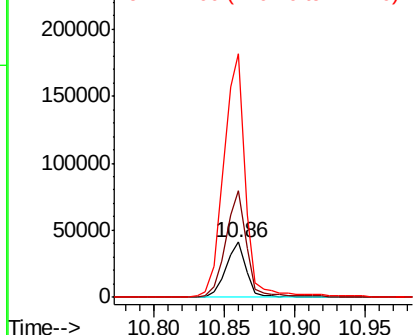
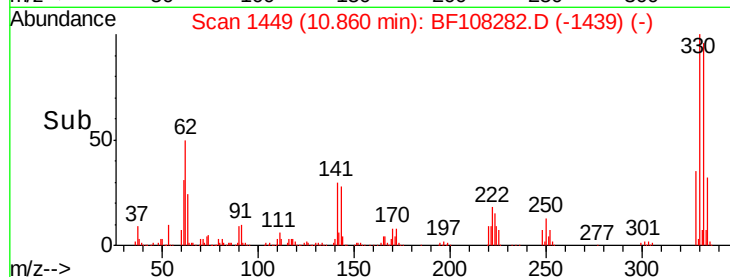
#66
4-Bromophenyl-phenylether
Concen: 5.255 ng
RT: 10.86 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF108282.D
Acq: 20 Aug 2018 11:44

Instrument :
BNA_F
ClientSampleId :
PB112114BL

Tot Ion:248 Resp: 42210
Ion Ratio Lower Upper
248 100
250 193.2 76.9 115.3#
141 443.0 74.4 111.6#

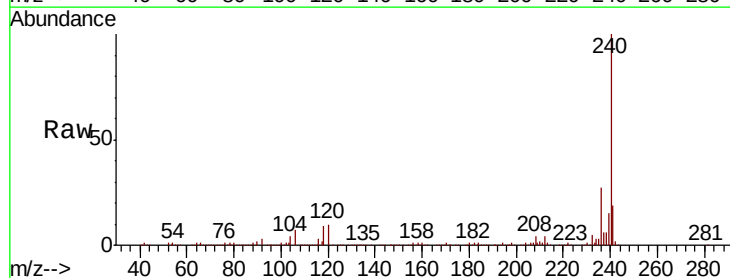


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

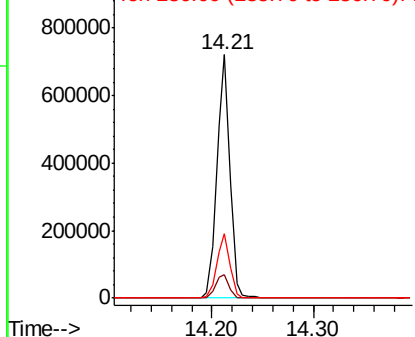
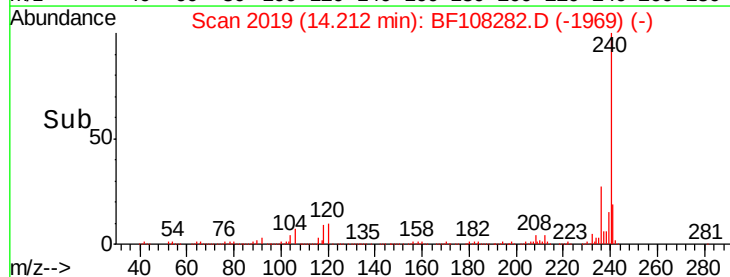


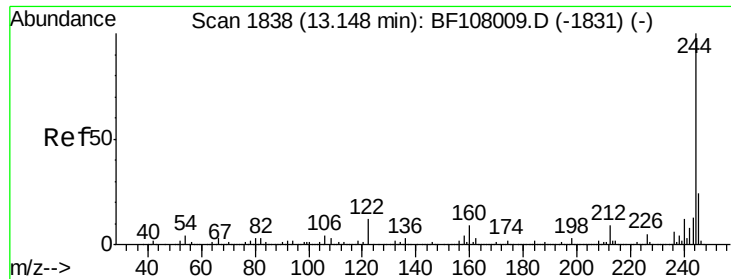
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108282.D
Acq: 20 Aug 2018 11:44

Tgt Ion:240 Resp: 640831
Ion Ratio Lower Upper
240 100
120 9.8 9.5 14.3
236 26.7 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: 111.331 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108282.D

Acq: 20 Aug 2018 11:44

Instrument :

BNA_F

ClientSampleId :

PB112114BL

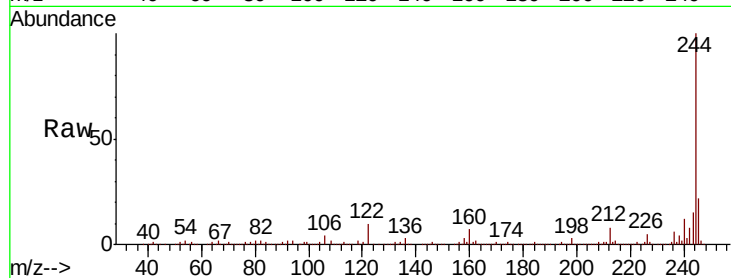
Tot Ion:244 Resp: 2806000

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.0

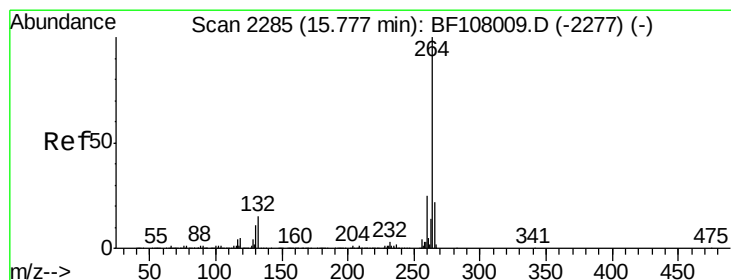
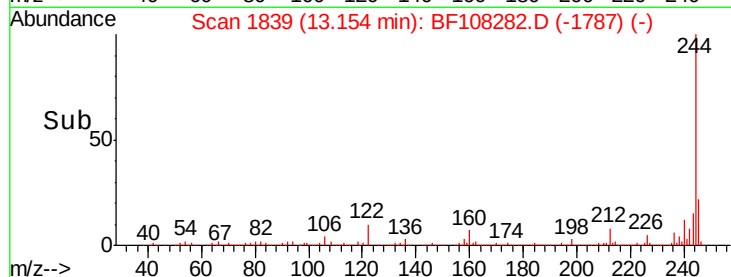
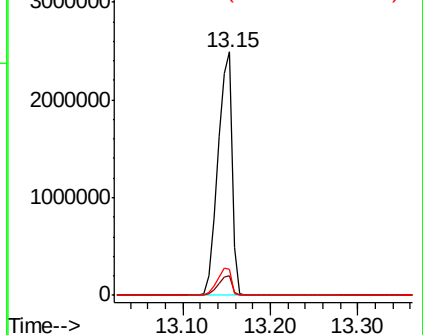
122 10.5 11.0 16.4#



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: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108282.D

Acq: 20 Aug 2018 11:44

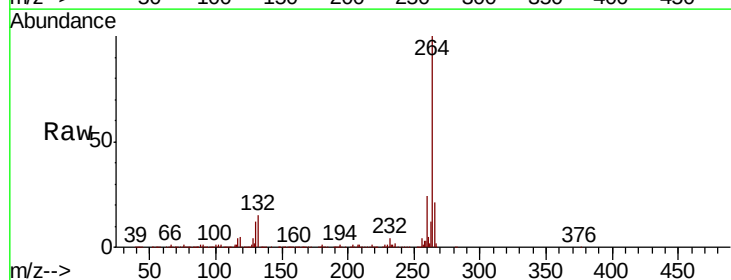
Tgt Ion:264 Resp: 529714

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.4 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

