

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108324.D
 Acq On : 21 Aug 2018 7:41
 Operator : JU/SJ
 Sample : J4521-09RE
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11969RE

Quant Time: Aug 21 10:40:50 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

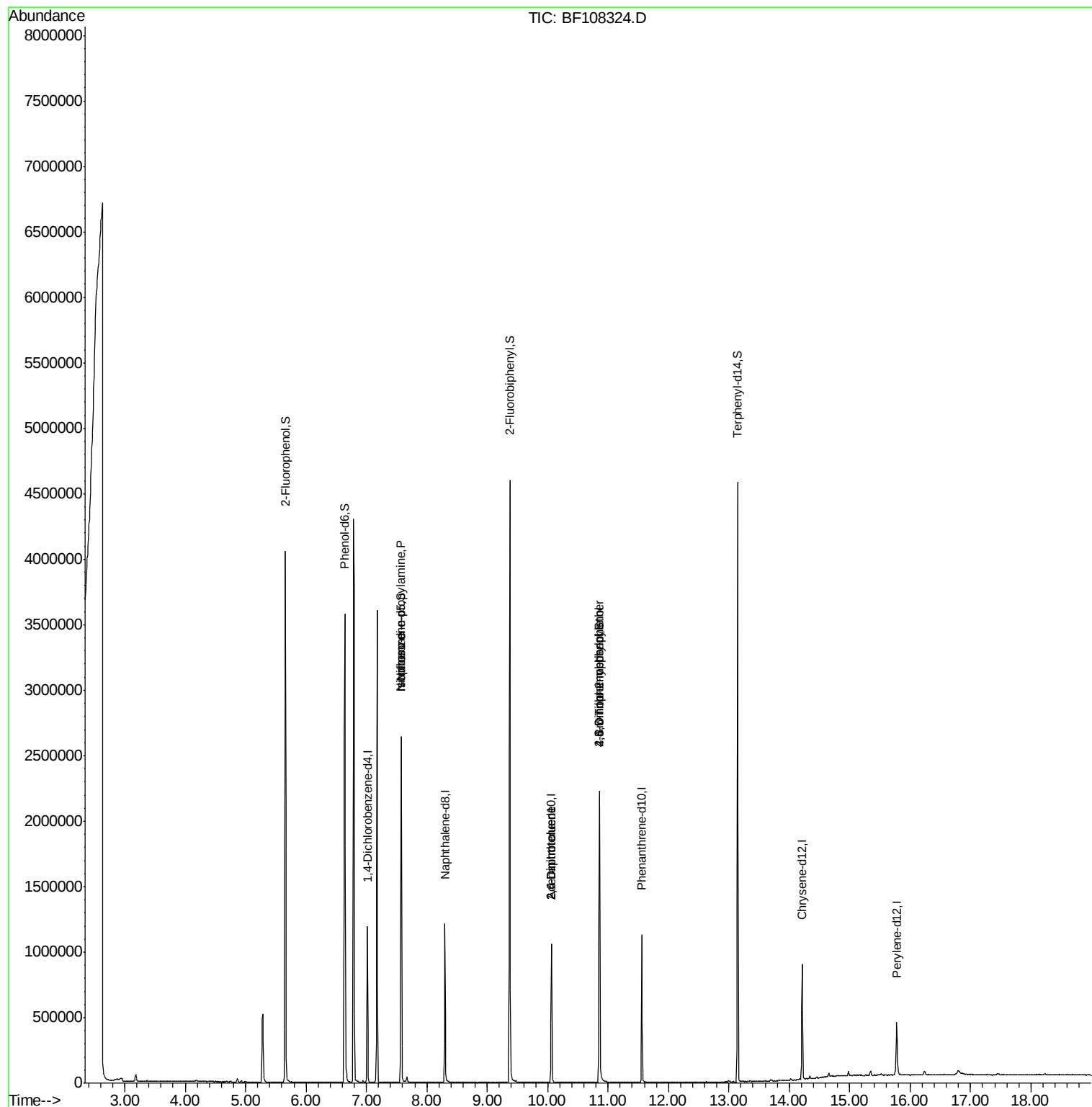
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	162019	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	543659	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	224308	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	400076	20.00	ng	0.00
75) Chrysene-d12	14.21	240	303678	20.00	ng	0.00
86) Perylene-d12	15.78	264	224444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	1048658	117.18	ng	0.03
7) Phenol-d6	6.64	99	1207082	101.50	ng	0.01
23) Nitrobenzene-d5	7.58	82	937484	96.22	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	307137	137.27	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1622881	116.16	ng	0.00
78) Terphenyl-d14	13.15	244	1535061	128.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	126506	15.731	ng	# 82
25) Isophorone	7.58	82	937475	50.483	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	28488	8.714	ng	# 25
56) 2,4-Dinitrotoluene	10.06	165	28489	6.770	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	691	5.767	ng	# 1
66) 4-Bromophenyl-phenylether	10.86	248	20570	4.731	ng	# 1

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

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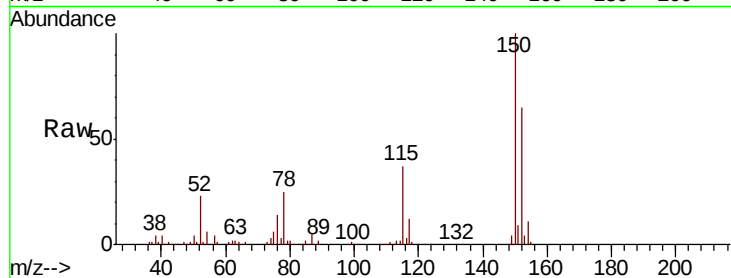


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108324.D
Acq: 21 Aug 2018 7:41

Instrument :
BNA_F
ClientSampleId :
72-11969RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.6	186.8
115	57.1	50.1	75.1

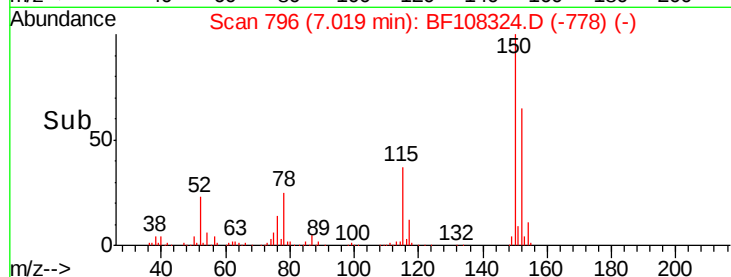
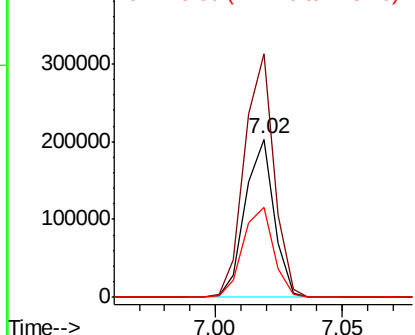


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

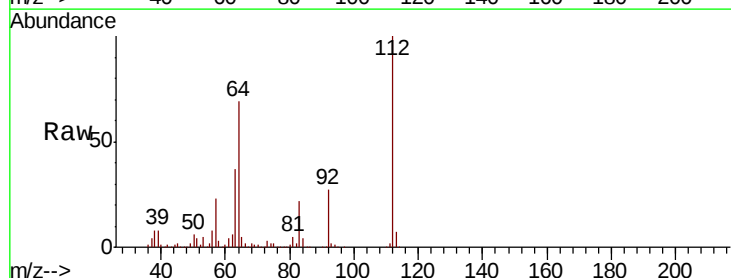
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.181 ng
RT: 5.66 min Scan# 565
Delta R.T. 0.03 min
Lab File: BF108324.D
Acq: 21 Aug 2018 7:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	47.9	71.9
63	36.9	23.7	35.5#

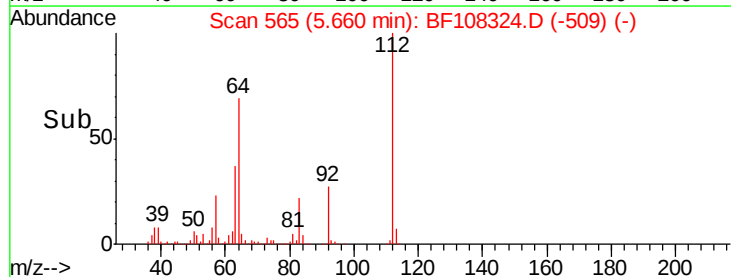
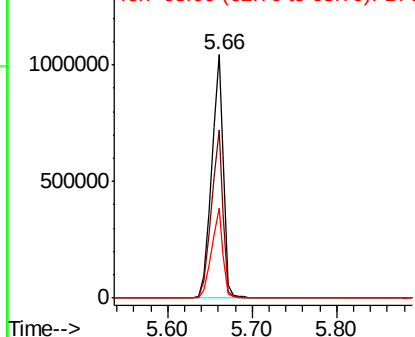


Abundance

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: 101.503 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108324.D

Acq: 21 Aug 2018 7:41

Instrument :

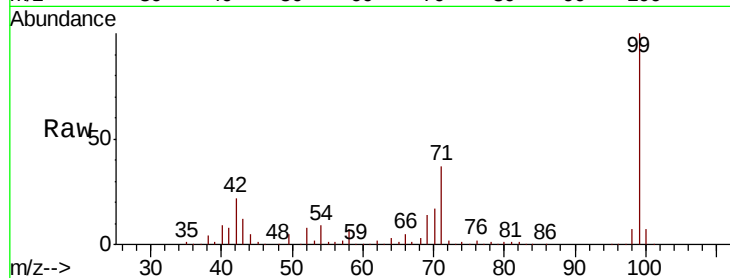
BNA_F

ClientSampleId :

72-11969RE

Tot Ion: 99 Resp: 1207082

Ion	Ratio	Lower	Upper
99	100		
42	22.5	14.5	21.7#
71	37.3	25.4	38.0

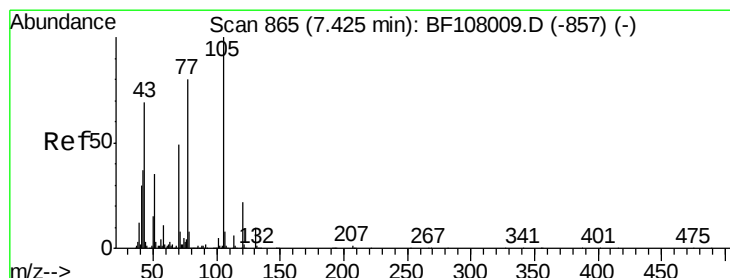
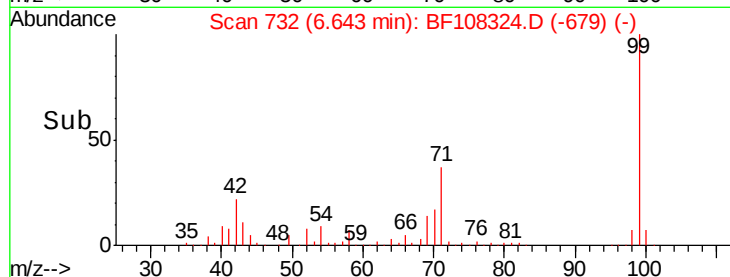
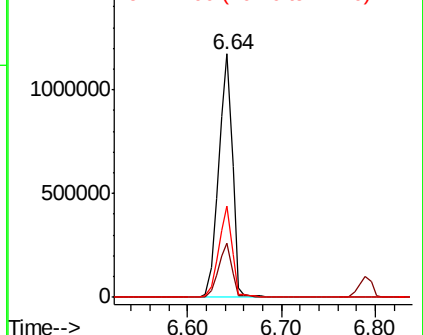


Abundance

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: 15.731 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108324.D

Acq: 21 Aug 2018 7:41

Tgt Ion: 70 Resp: 126506

Ion	Ratio	Lower	Upper
70	100		
42	53.0	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#

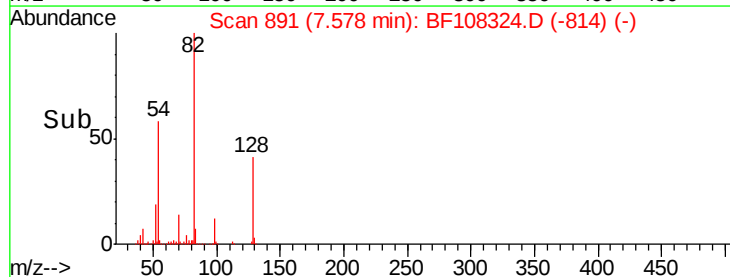
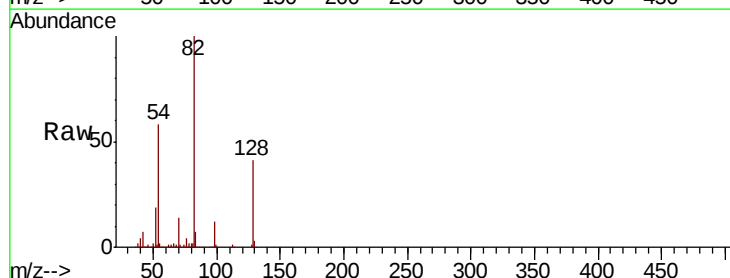
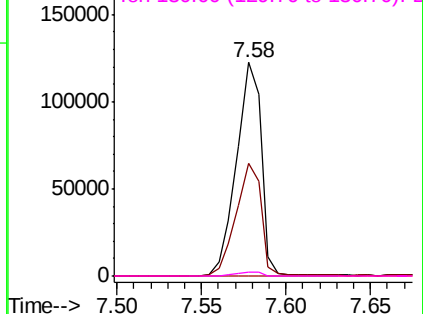
Abundance

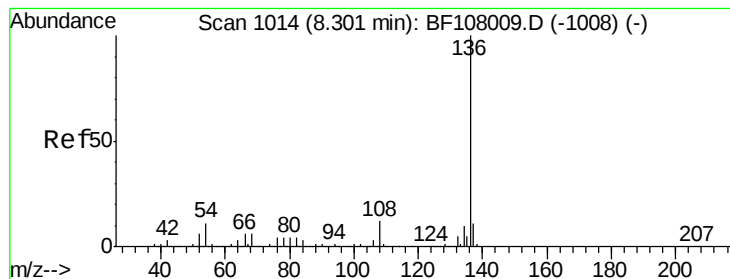
Ion 70.00 (69.70 to 70.70): BF1

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: BF108324.D

Acq: 21 Aug 2018 7:41

Instrument :

BNA_F

ClientSampleId :

72-11969RE

Tot Ion:136 Resp: 543659

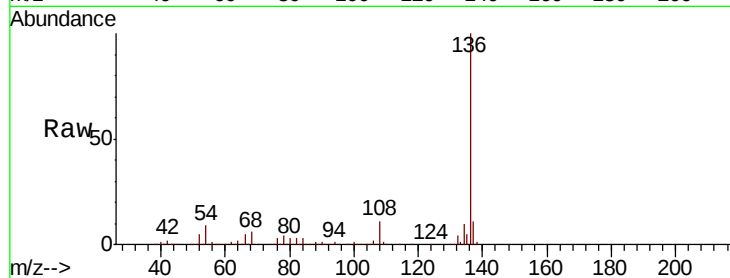
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.1 6.6 9.8

68 5.7 5.0 7.4

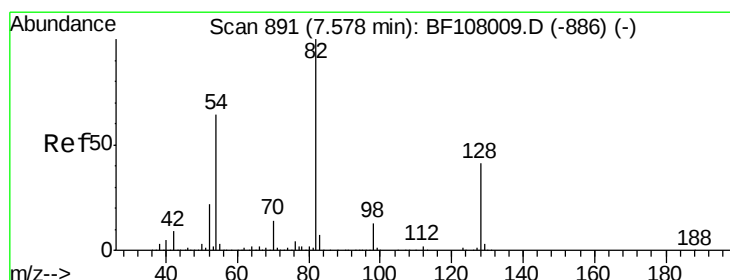
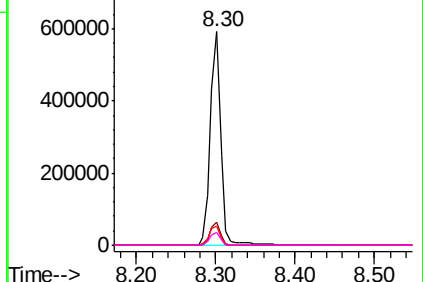
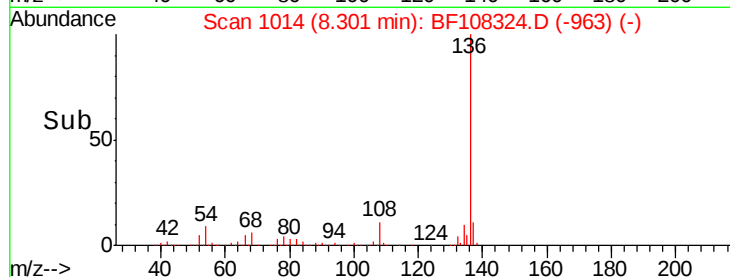


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 96.224 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108324.D

Acq: 21 Aug 2018 7:41

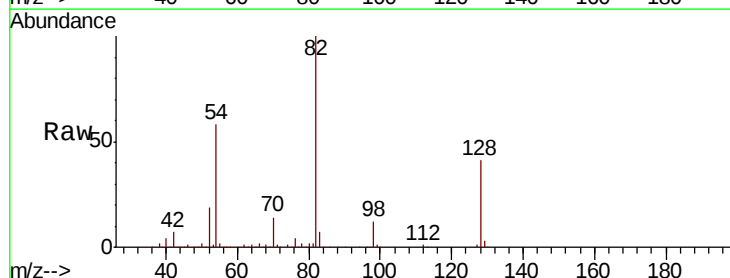
Tgt Ion: 82 Resp: 937484

Ion Ratio Lower Upper

82 100

128 40.8 36.1 54.1

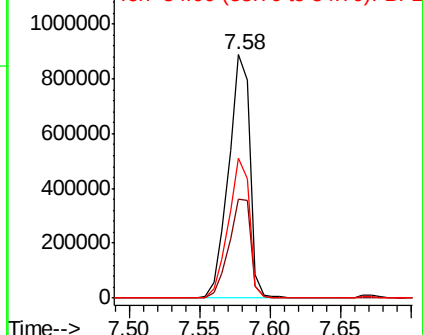
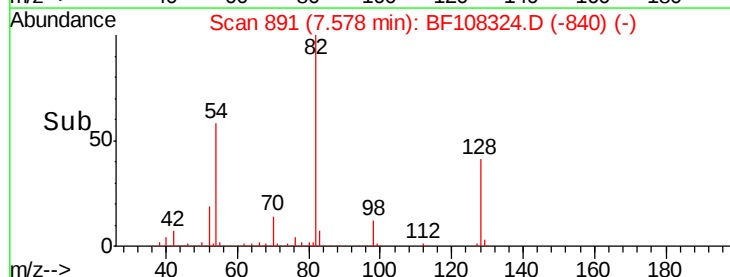
54 57.7 41.4 62.2

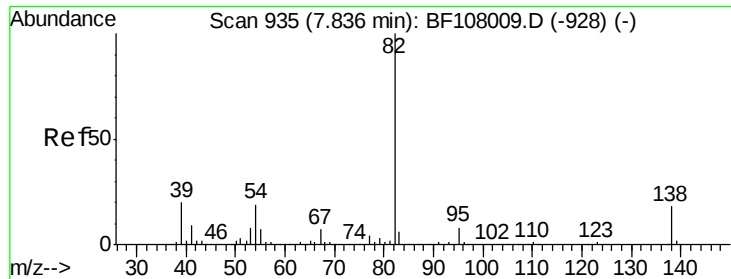


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.483 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108324.D

Acq: 21 Aug 2018 7:41

Instrument :

BNA_F

ClientSampleId :

72-11969RE

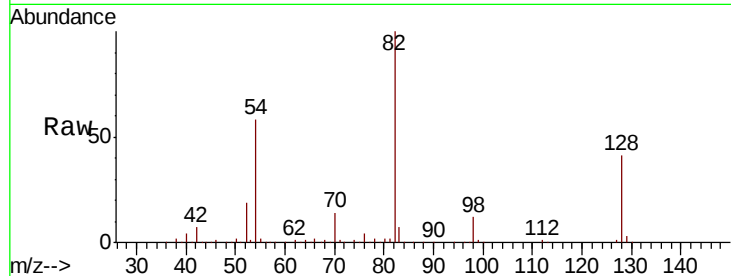
Tot Ion: 82 Resp: 937475

Ion Ratio Lower Upper

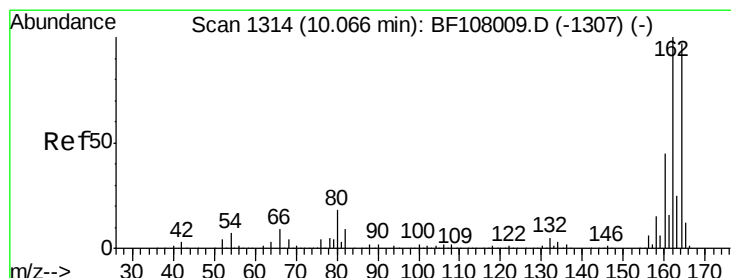
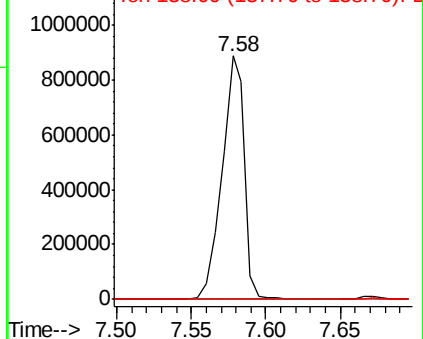
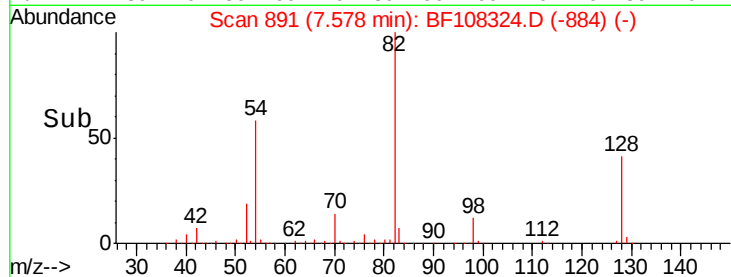
82 100

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: BF108324.D

Acq: 21 Aug 2018 7:41

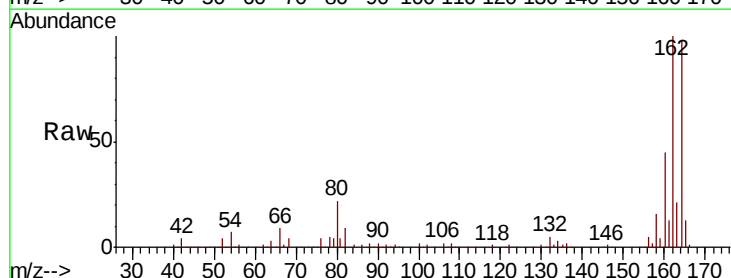
Tgt Ion: 164 Resp: 224308

Ion Ratio Lower Upper

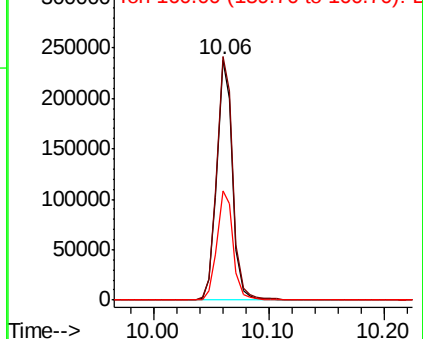
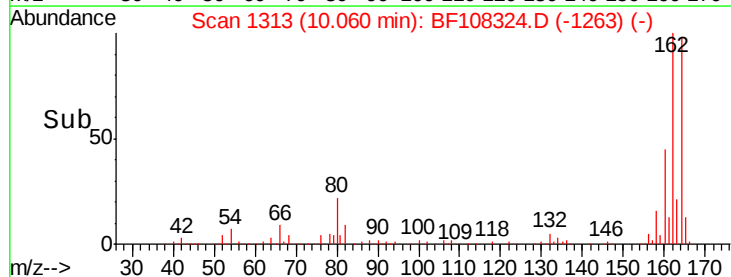
164 100

162 101.5 86.1 129.1

160 45.6 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

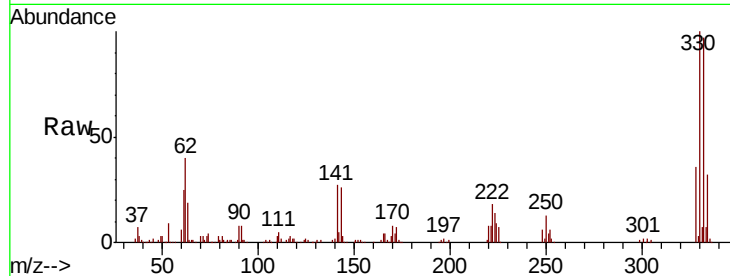




#41
 2,4,6-Tribromophenol
 Concen: 137.273 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108324.D
 Acq: 21 Aug 2018 7:41

Instrument :
 BNA_F
 ClientSampleId :
 72-11969RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.9	29.9	44.9

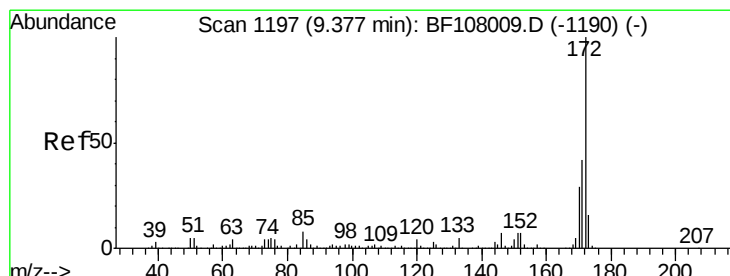
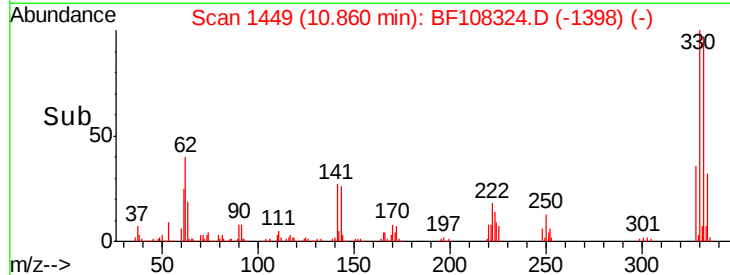
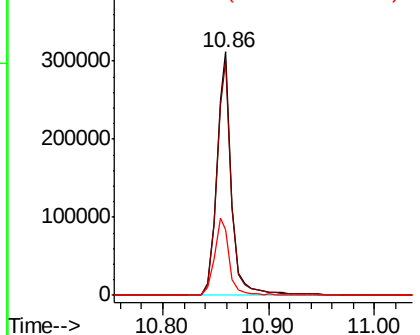


Abundance

Ion 329.80 (329.50 to 330.50): E

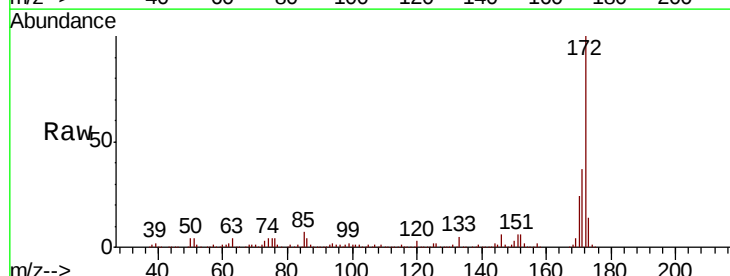
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 116.157 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108324.D
 Acq: 21 Aug 2018 7:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.7	44.5
170	24.3	19.6	29.4

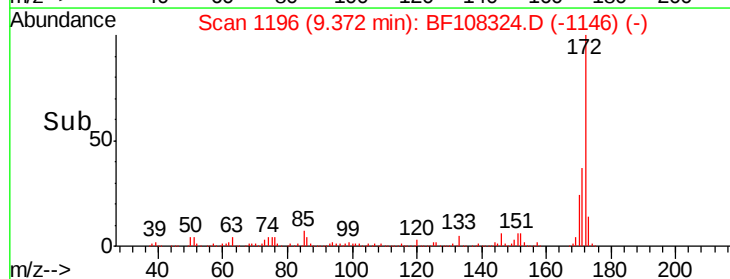
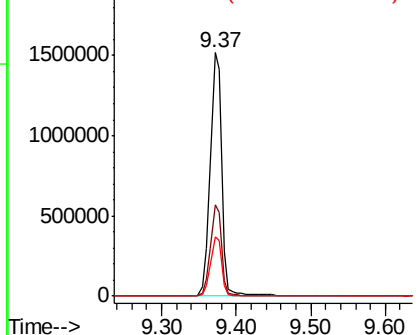


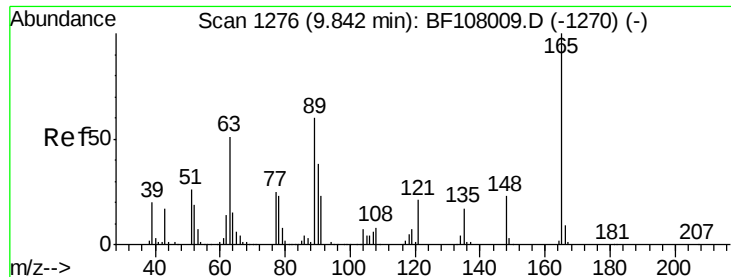
Abundance

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

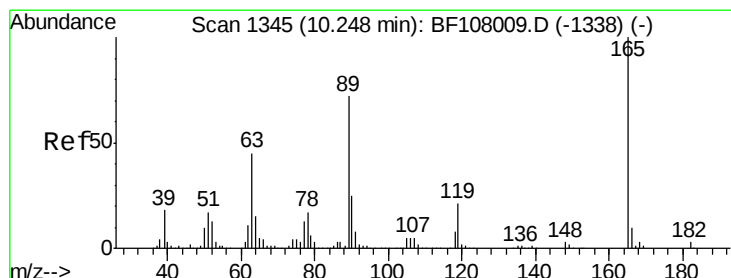
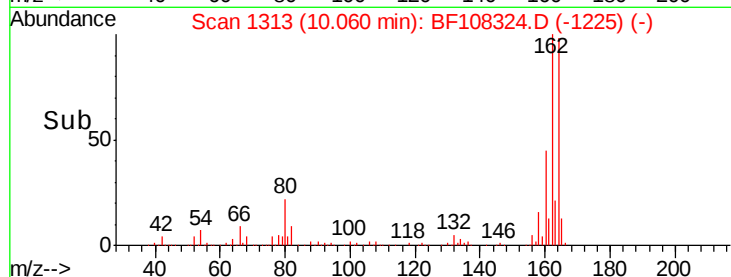
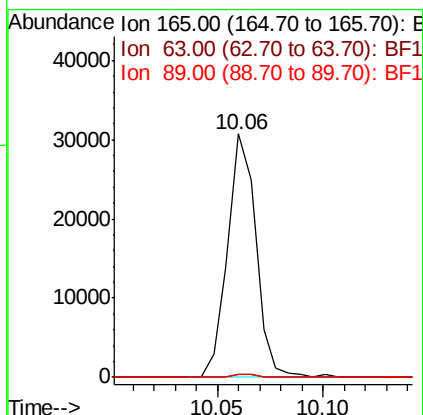
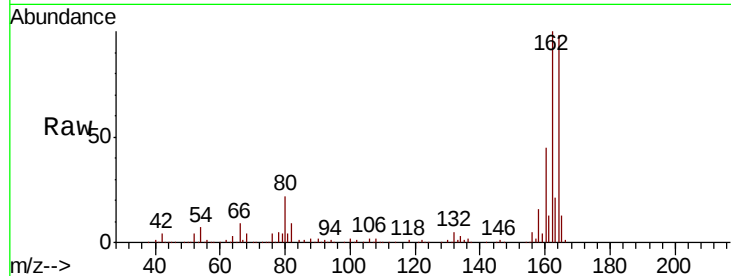




#50
 2,6-Dinitrotoluene
 Concen: 8.714 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108324.D
 Acq: 21 Aug 2018 7:41

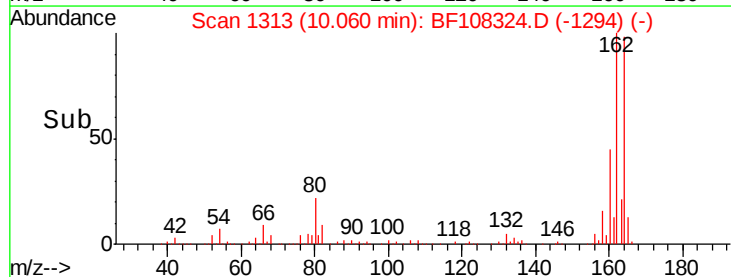
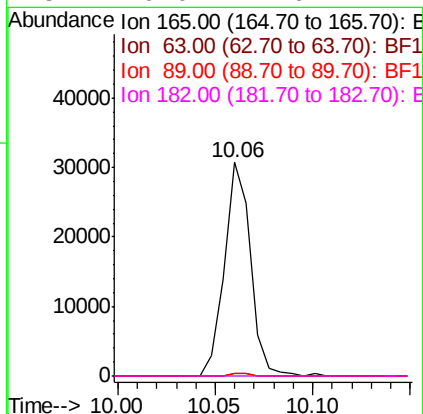
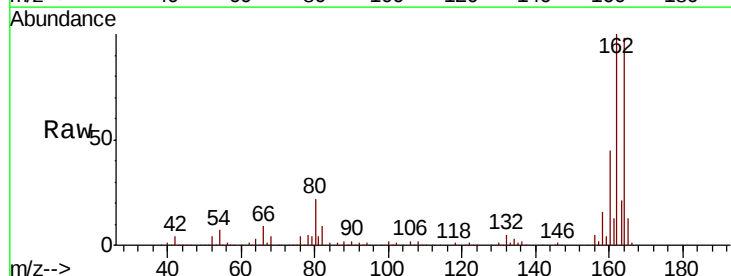
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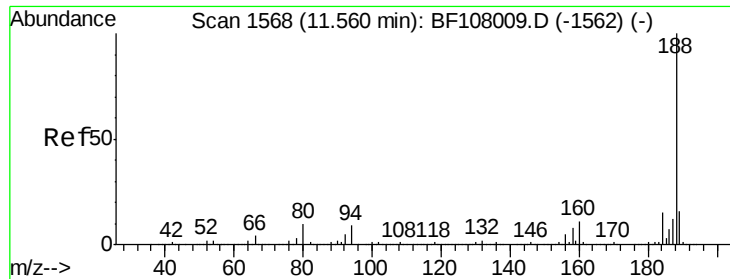
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.770 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108324.D
 Acq: 21 Aug 2018 7:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

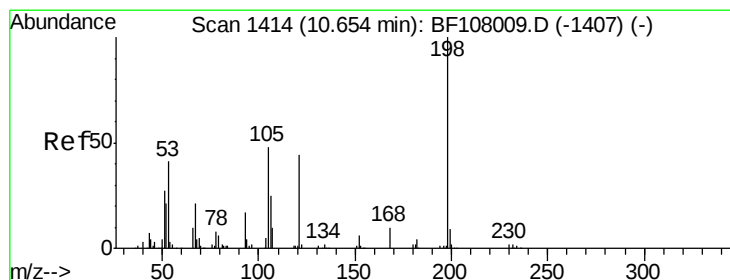
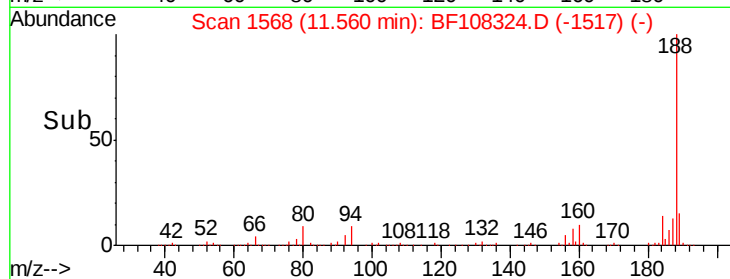
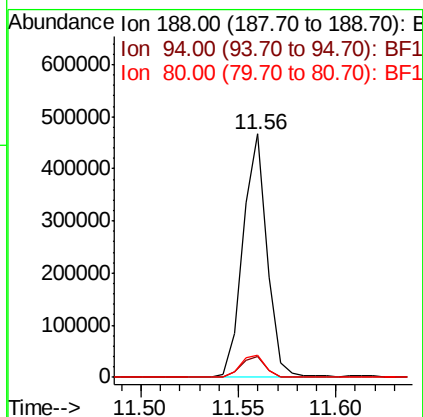
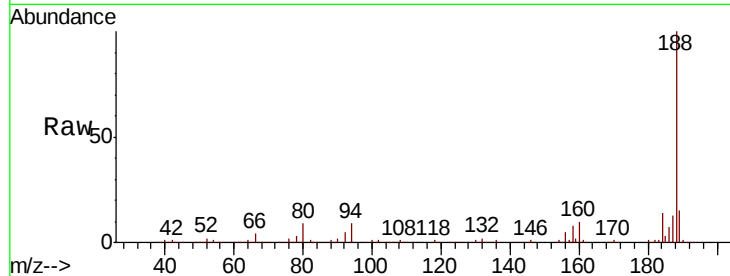




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108324.D
 Acq: 21 Aug 2018 7:41

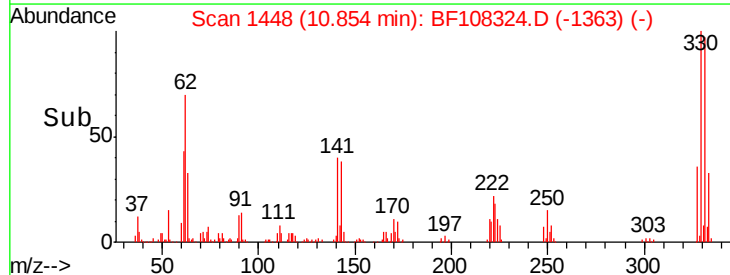
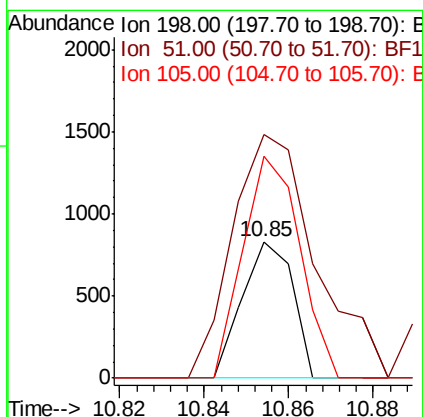
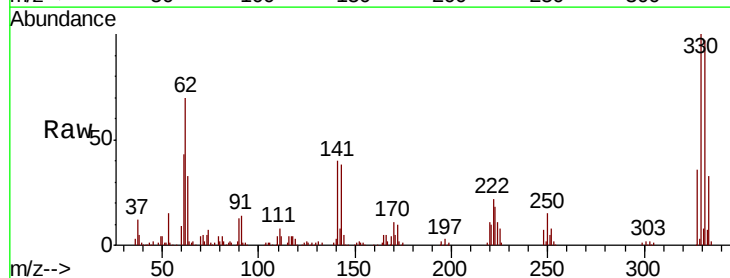
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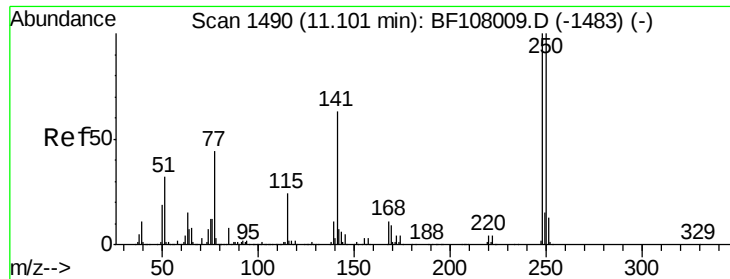
Tot Ion:188 Resp: 400076
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7
 80 9.1 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.767 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108324.D
 Acq: 21 Aug 2018 7:41

Tgt Ion:198 Resp: 691
 Ion Ratio Lower Upper
 198 100
 51 178.9 37.7 77.7#
 105 163.4 36.3 76.3#

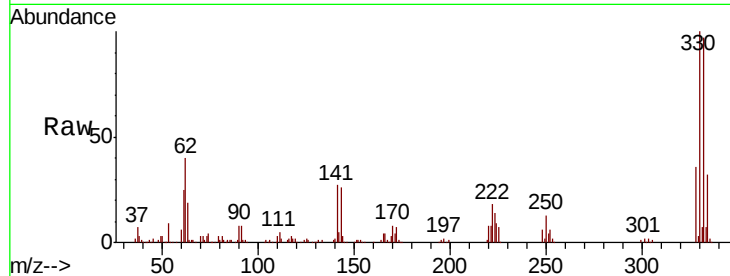




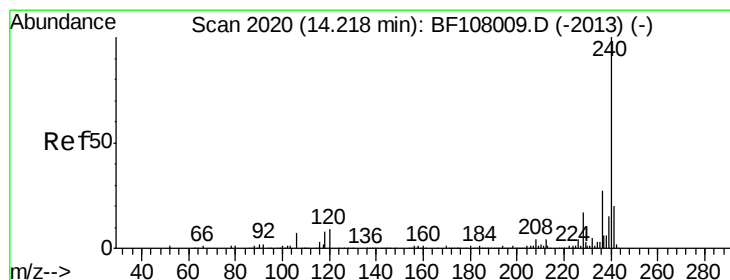
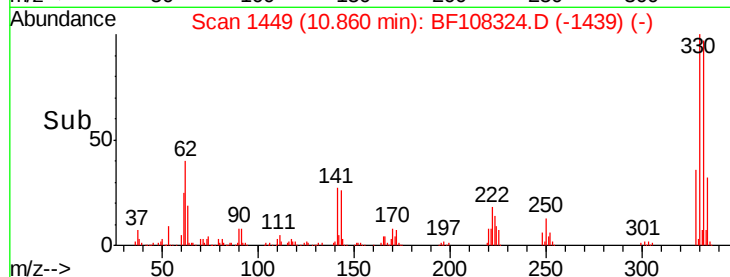
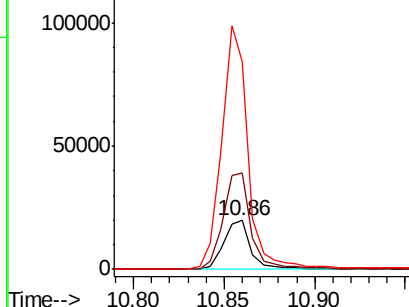
#66
4-Bromophenyl-phenylether
Concen: 4.731 ng
RT: 10.86 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF108324.D
Acq: 21 Aug 2018 7:41

Instrument :
BNA_F
ClientSampled :
72-11969RE

Tot Ion:248 Resp: 20570
Ion Ratio Lower Upper
248 100
250 198.6 76.9 115.3#
141 425.2 74.4 111.6#

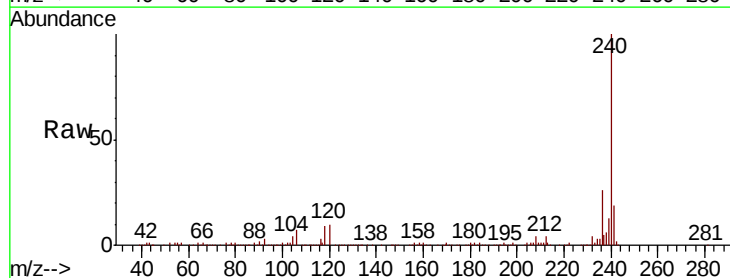


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

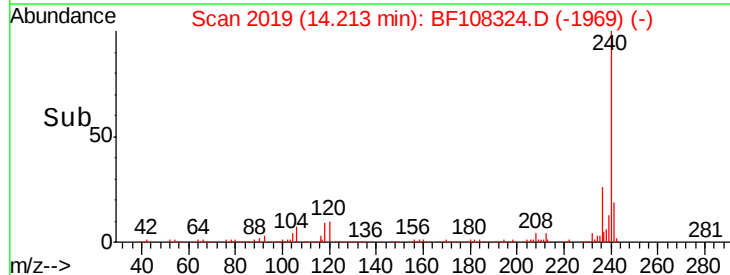
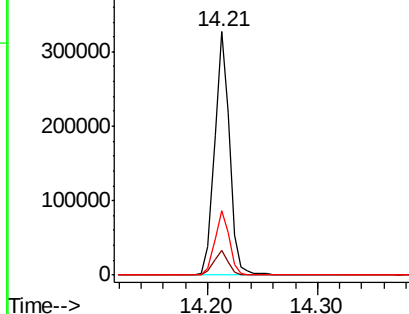


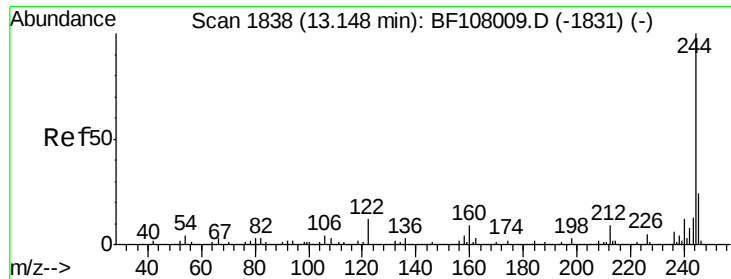
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF108324.D
Acq: 21 Aug 2018 7:41

Tgt Ion:240 Resp: 303678
Ion Ratio Lower Upper
240 100
120 10.3 9.5 14.3
236 26.4 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: 128.524 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108324.D

Acq: 21 Aug 2018 7:41

Instrument :

BNA_F

ClientSampleId :

72-11969RE

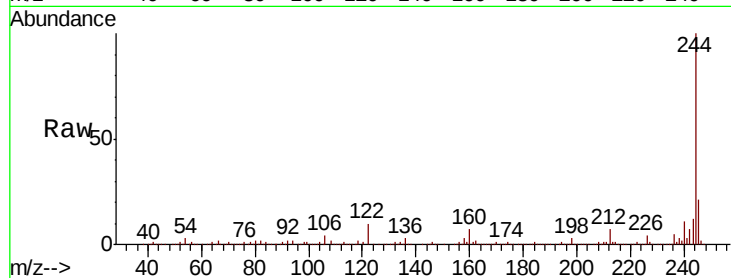
Tot Ion:244 Resp: 1535061

Ion Ratio Lower Upper

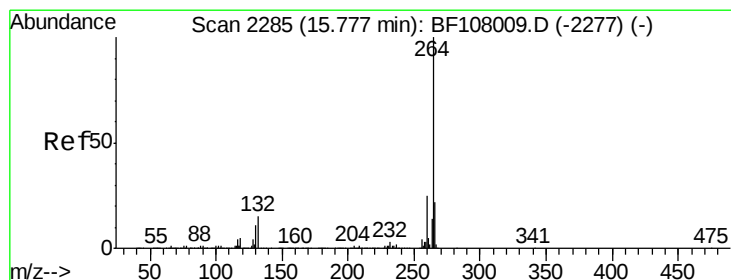
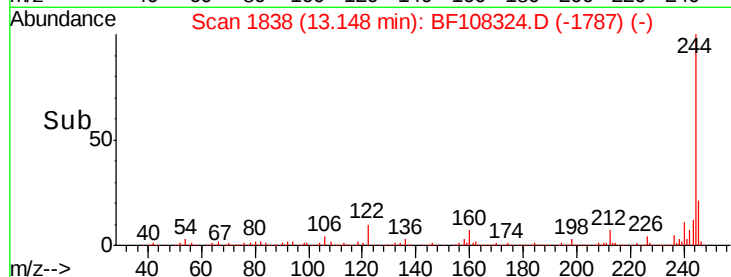
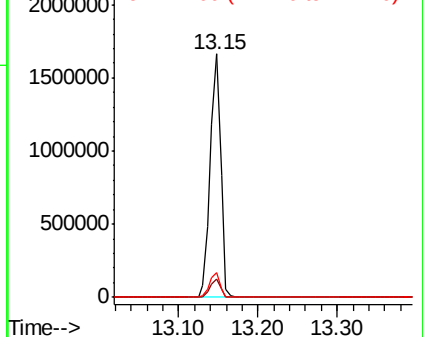
244 100

212 7.5 5.4 8.0

122 10.4 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: BF108324.D

Acq: 21 Aug 2018 7:41

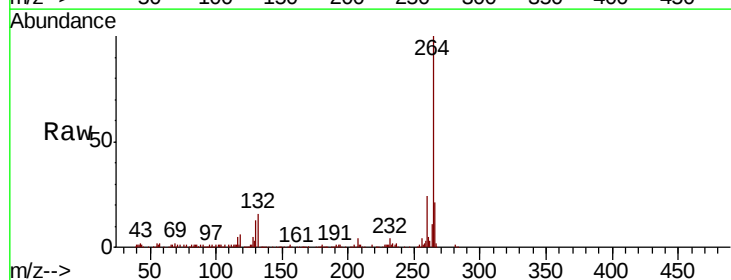
Tgt Ion:264 Resp: 224444

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.3 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

