

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
 Data File : BF101684.D
 Acq On : 23 Dec 2017 6:21
 Operator : SJ/JU
 Sample : I6683-12
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Quant Time: Dec 24 22:30:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

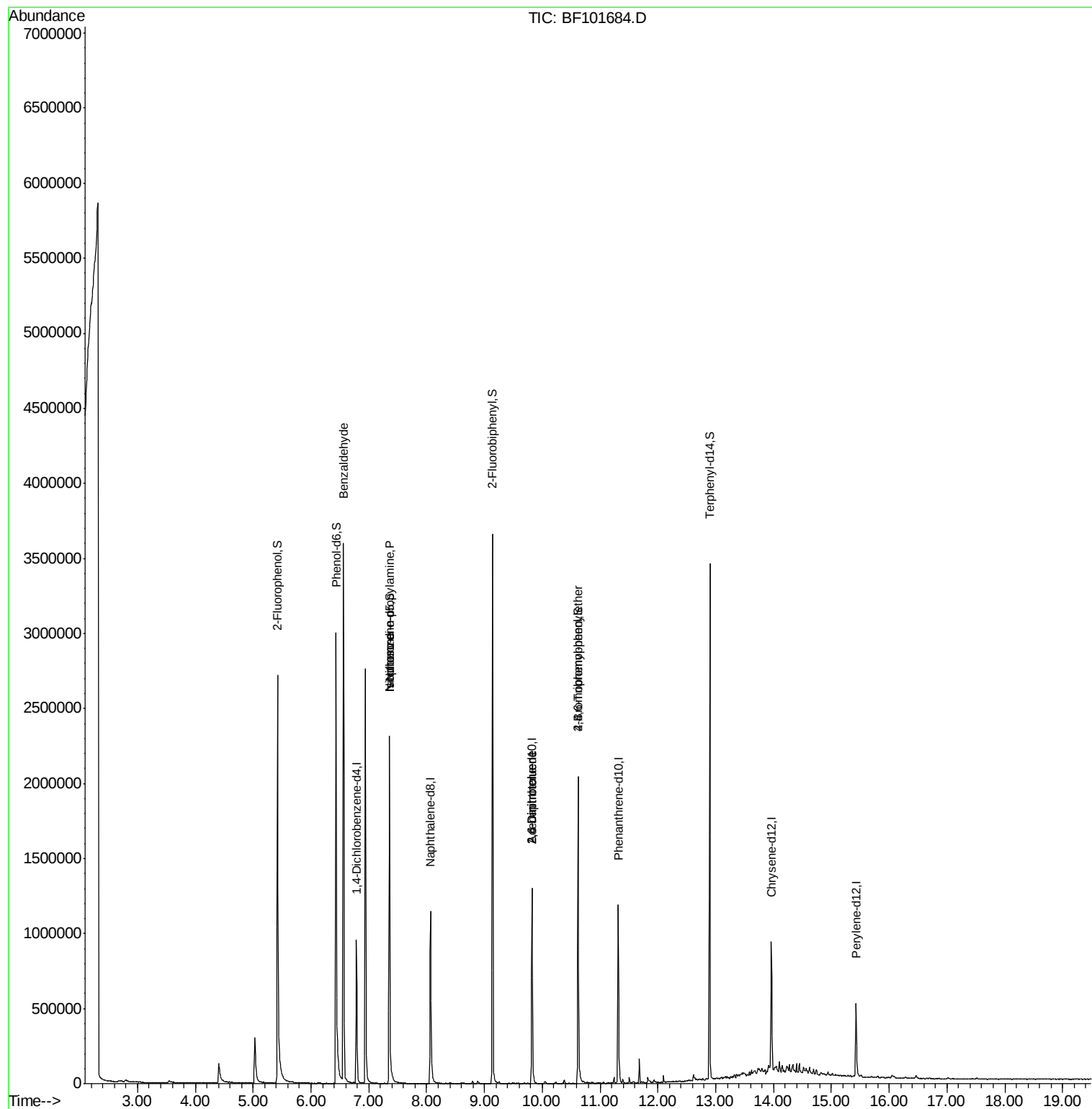
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	146355	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	574391	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	247116	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	441710	20.00	ng	0.00
75) Chrysene-d12	13.96	240	304185	20.00	ng	0.00
86) Perylene-d12	15.43	264	245849	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1089491	110.89	ng	0.02
7) Phenol-d6	6.43	99	1255299	102.66	ng	0.00
23) Nitrobenzene-d5	7.36	82	841090	81.51	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	299161	125.64	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1379766	86.61	ng	0.00
78) Terphenyl-d14	12.90	244	1199448	95.06	ng	0.00
Target Compounds						
9) Benzaldehyde	6.56	77	22006	2.437	ng	85
19) n-Nitroso-di-n-propylamine	7.36	70	111403	13.873	ng	# 81
25) Isophorone	7.36	82	841084	40.633	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	31063	7.689	ng	# 25
56) 2,4-Dinitrotoluene	9.82	165	31063	6.825	ng	# 23
66) 4-Bromophenyl-phenylether	10.62	248	18573	3.742	ng	# 1

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

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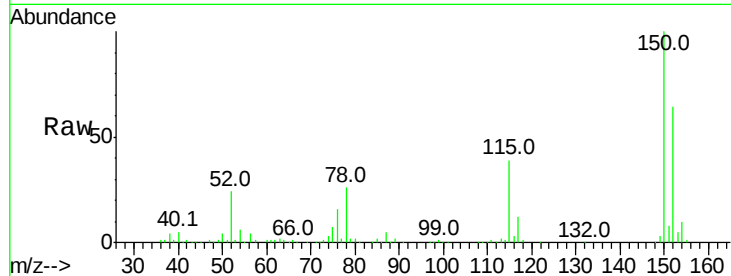


#1

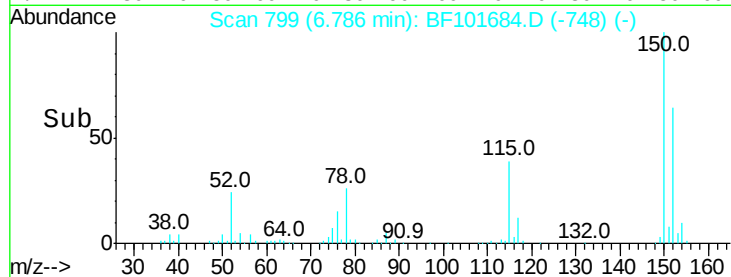
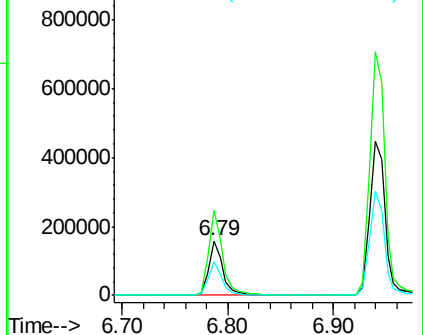
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101684.D
Acq: 23 Dec 2017 6:21

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tot Ion:152 Resp: 146355
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 61.9 50.1 75.1



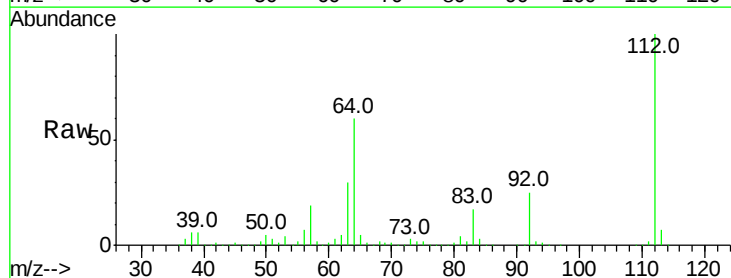
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



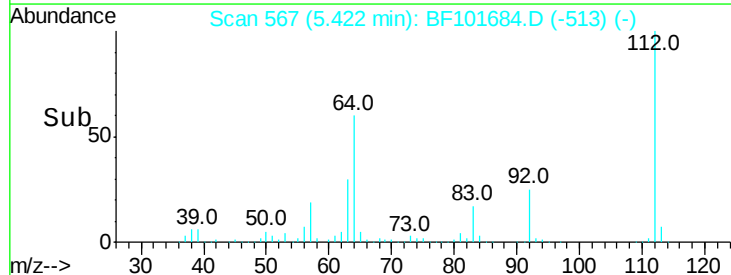
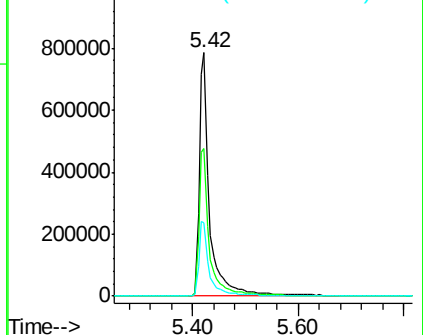
#5

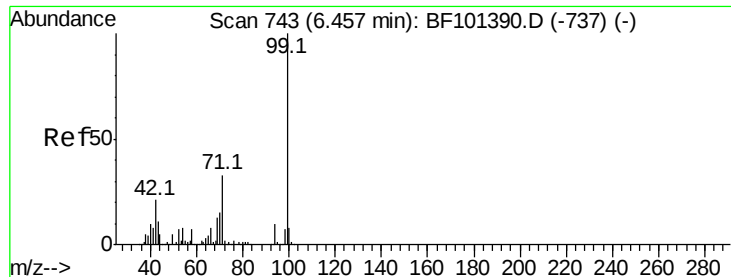
2-Fluorophenol
Concen: 110.887 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101684.D
Acq: 23 Dec 2017 6:21

Tgt Ion:112 Resp: 1089491
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 30.4 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: 102.658 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-C

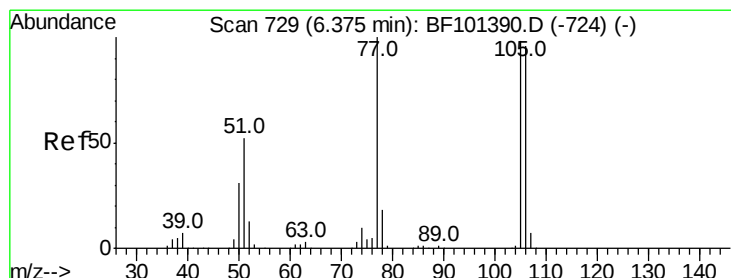
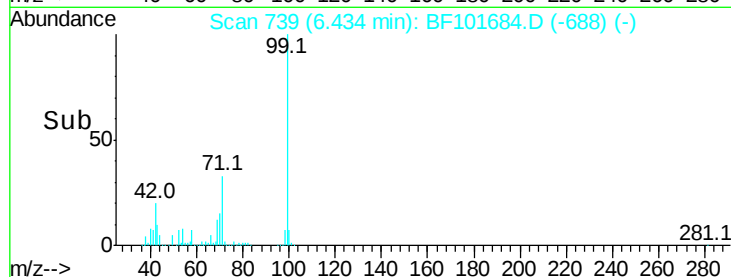
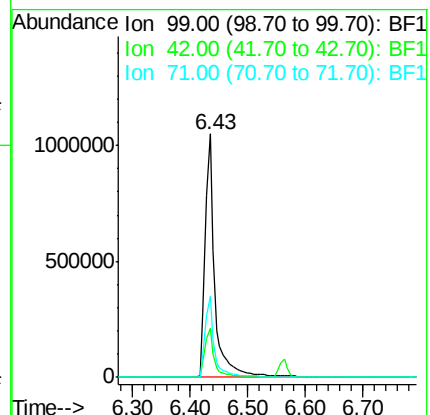
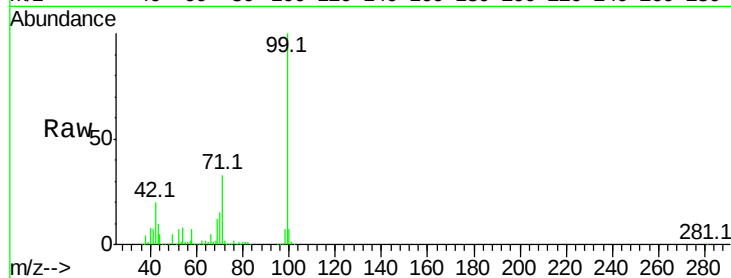
Tot Ion: 99 Resp: 1255299

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 33.4 25.4 38.0



#9

Benzaldehyde

Concen: 2.437 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.22 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

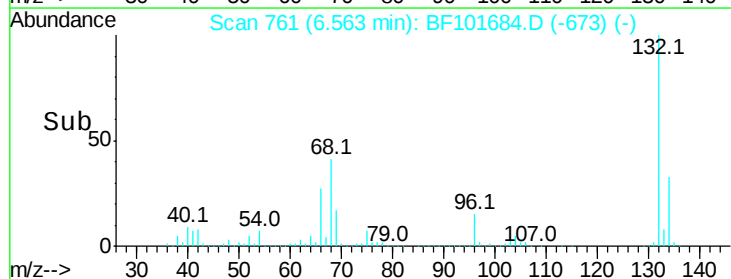
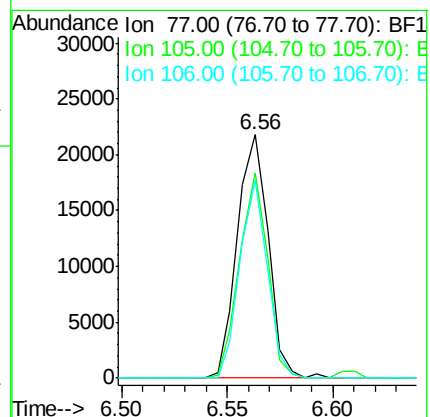
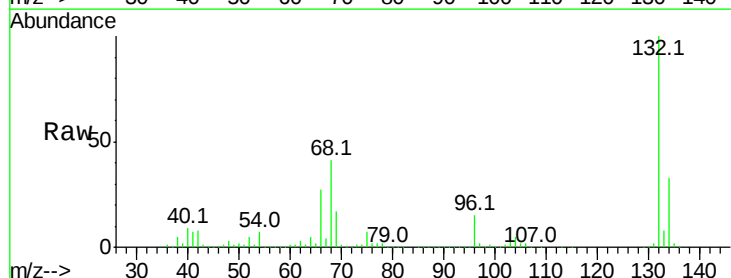
Tgt Ion: 77 Resp: 22006

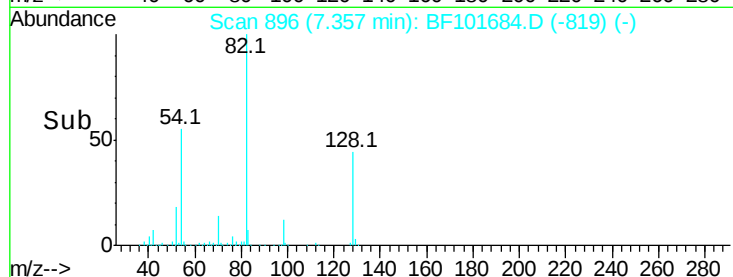
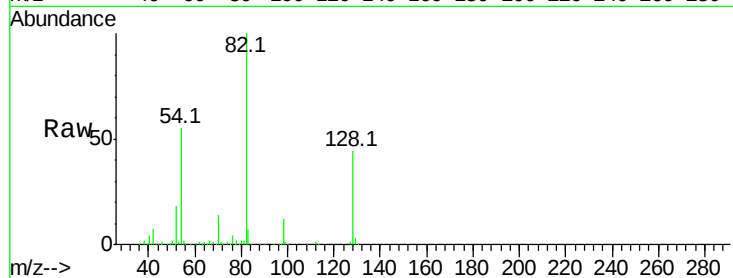
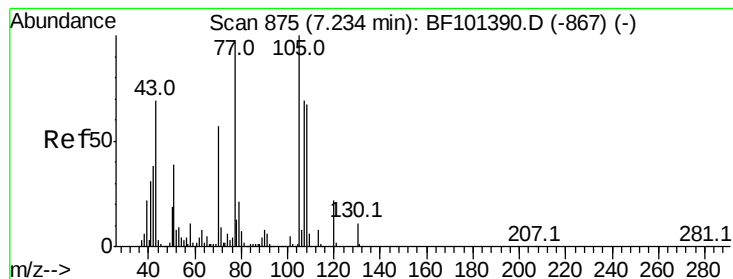
Ion Ratio Lower Upper

77 100

105 84.5 81.1 121.1

106 81.1 74.5 114.5





#19

n-Nitroso-di-n-propylamine

Concen: 13.873 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-C

Tot Ion: 70 Resp: 111403

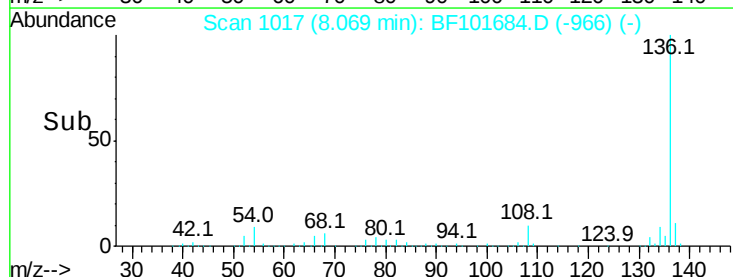
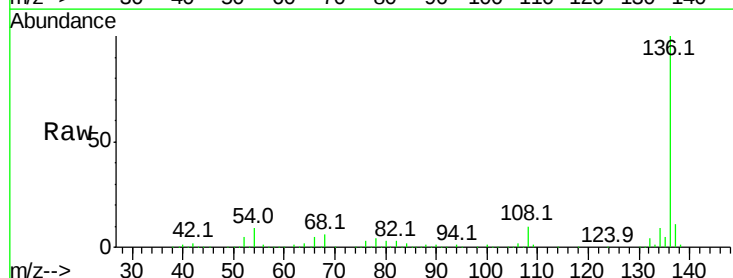
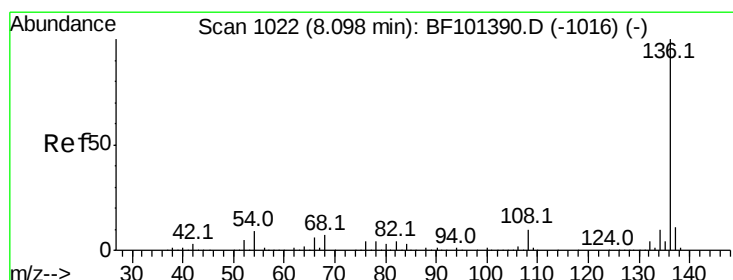
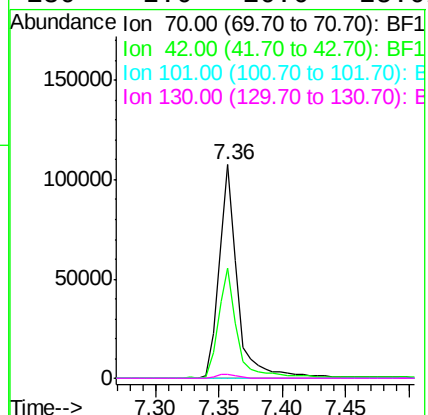
Ion Ratio Lower Upper

70 100

42 51.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

Tgt Ion: 136 Resp: 574391

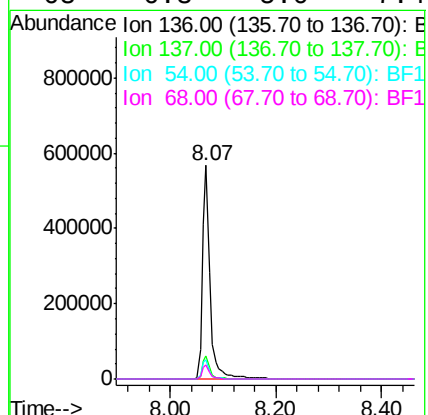
Ion Ratio Lower Upper

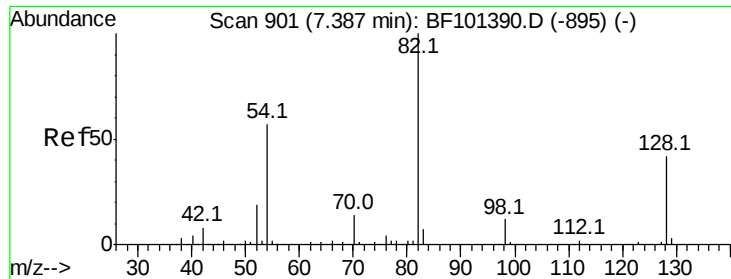
136 100

137 11.0 8.9 13.3

54 9.0 6.6 9.8

68 6.3 5.0 7.4

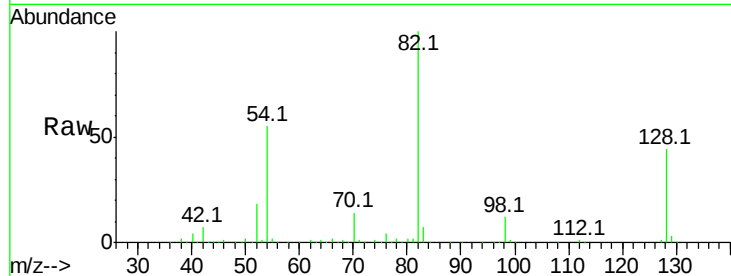




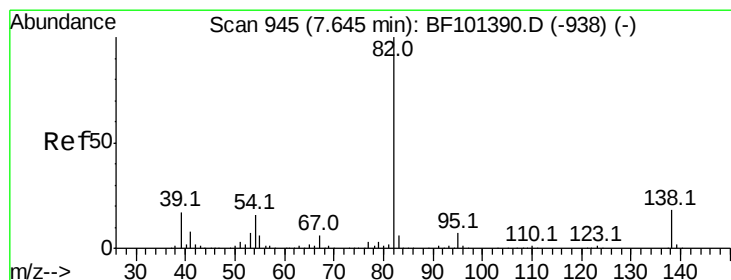
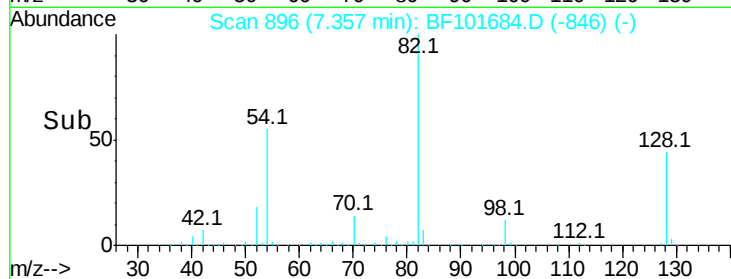
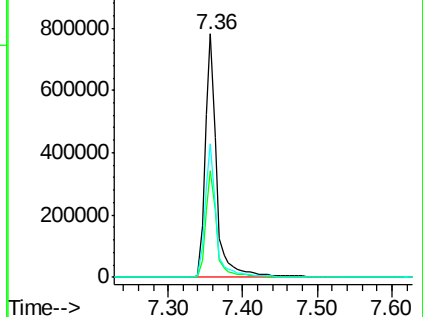
#23
Nitrobenzene-d5
Concen: 81.512 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101684.D
Acq: 23 Dec 2017 6:21

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tot Ion	82	Resp	841090
Ion Ratio	Lower	Upper	
82	100		
128	43.9	36.1	54.1
54	55.1	41.4	62.2

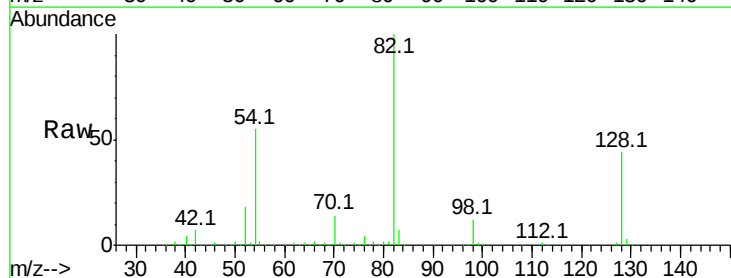


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

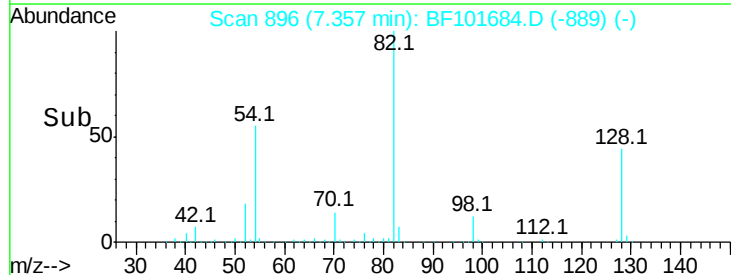
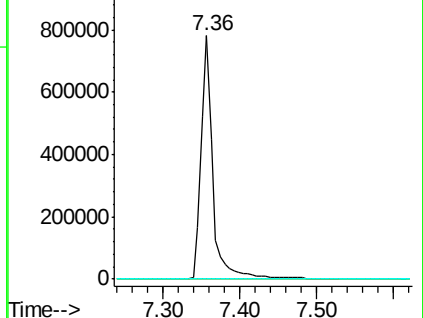


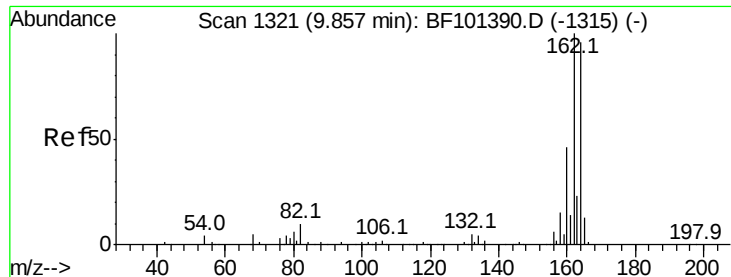
#25
Isophorone
Concen: 40.633 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF101684.D
Acq: 23 Dec 2017 6:21

Tgt Ion	82	Resp	841084
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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-C

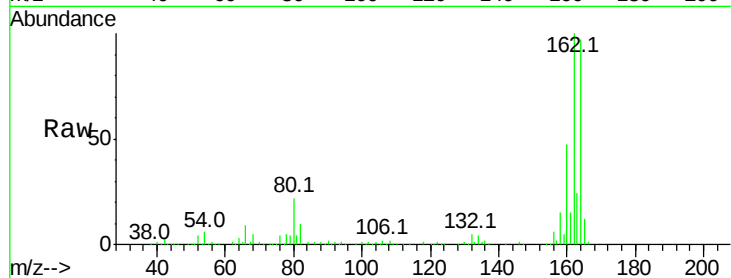
Tot Ion:164 Resp: 247116

Ion Ratio Lower Upper

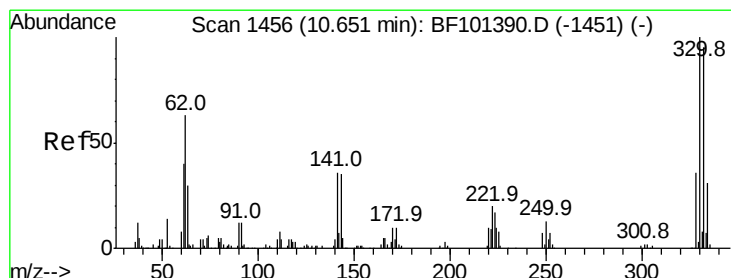
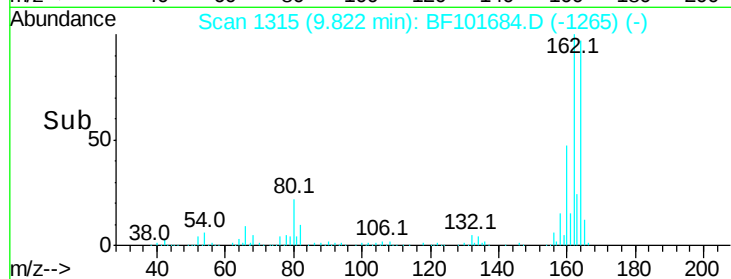
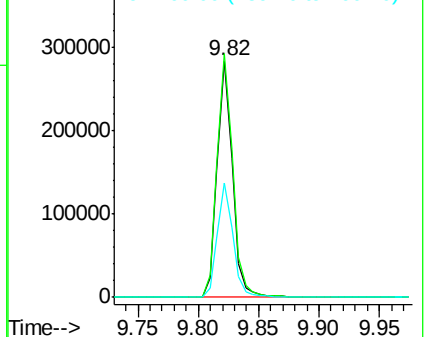
164 100

162 103.0 86.1 129.1

160 48.3 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: 125.637 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

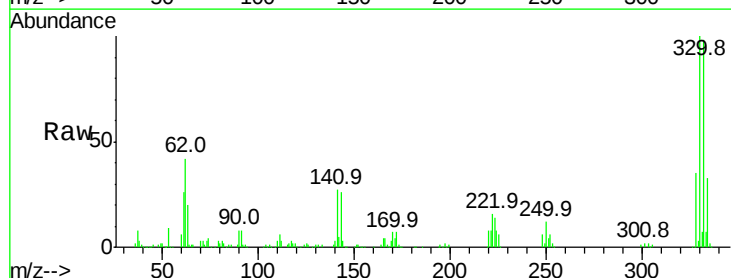
Tgt Ion:330 Resp: 299161

Ion Ratio Lower Upper

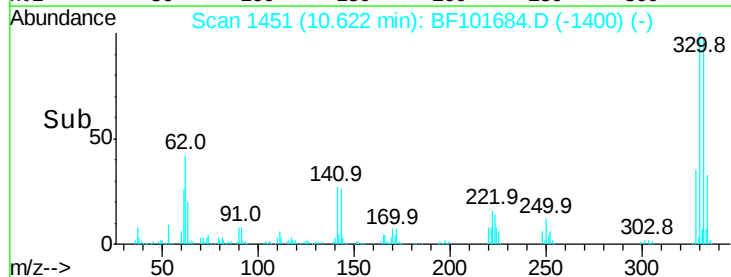
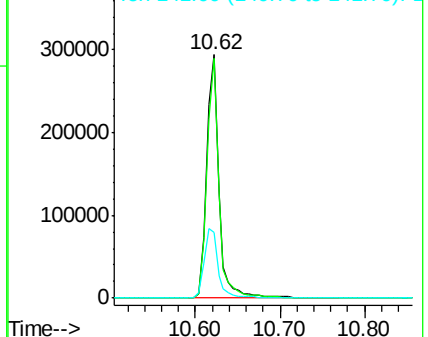
330 100

332 97.0 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



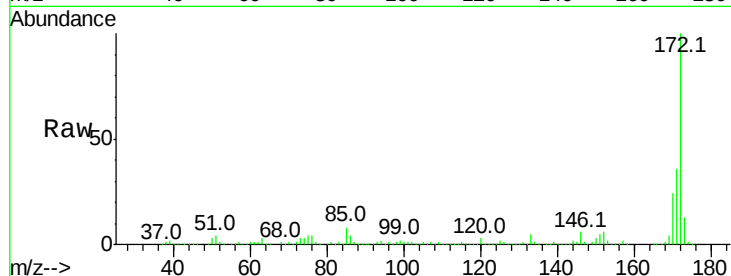


#44
 2-Fluorobiphenyl
 Concen: 86.613 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101684.D
 Acq: 23 Dec 2017 6:21

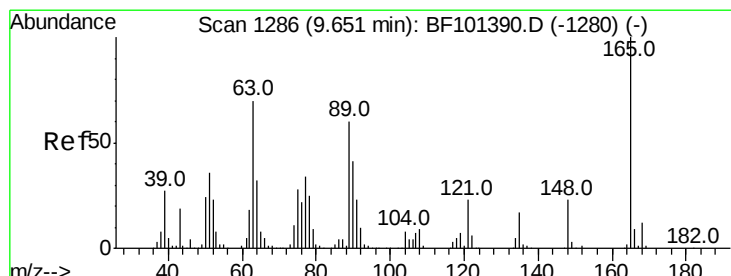
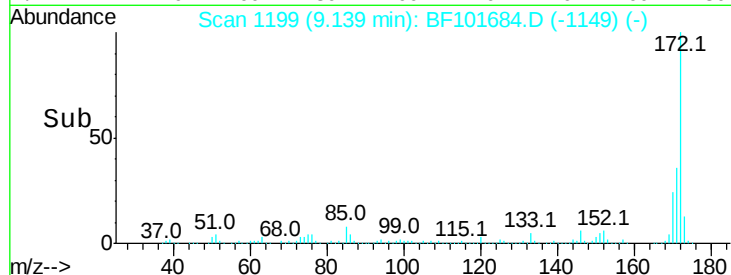
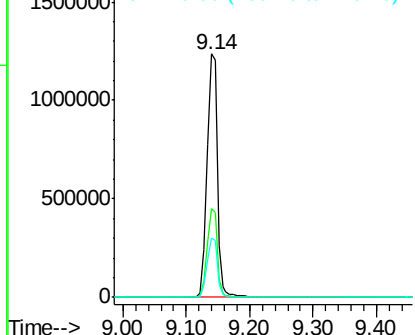
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Tot Ion:172 Resp: 1379766

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4



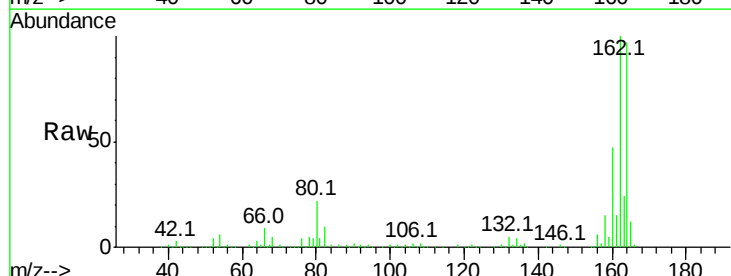
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



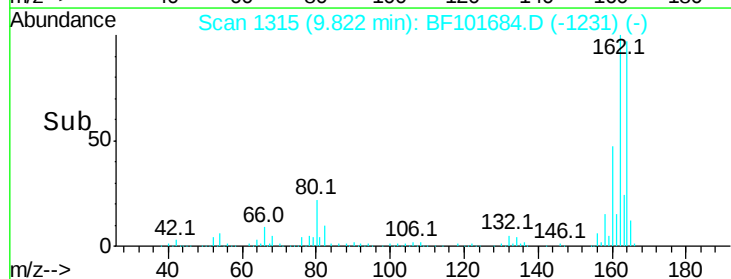
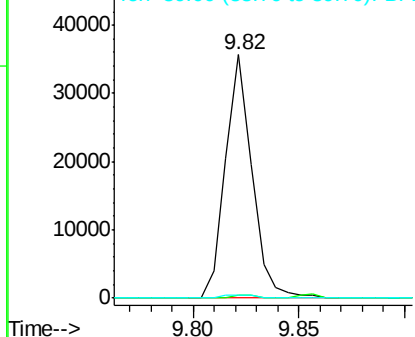
#50
 2,6-Dinitrotoluene
 Concen: 7.689 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.19 min
 Lab File: BF101684.D
 Acq: 23 Dec 2017 6:21

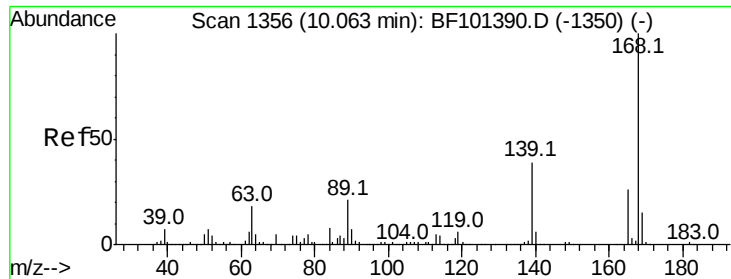
Tgt Ion:165 Resp: 31063

Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	44.0	66.0#



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

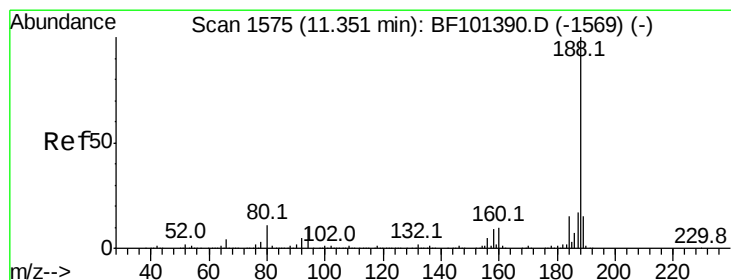
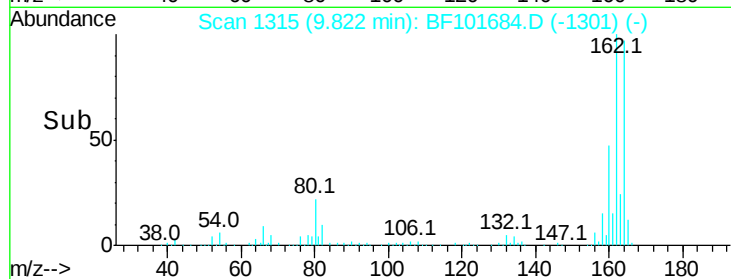
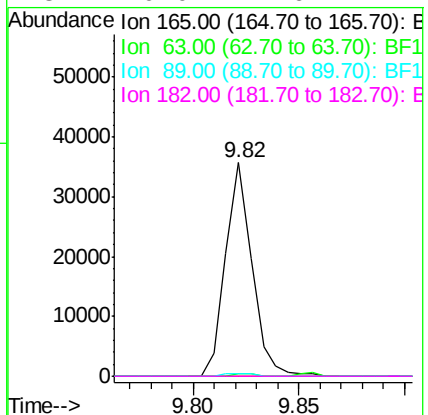
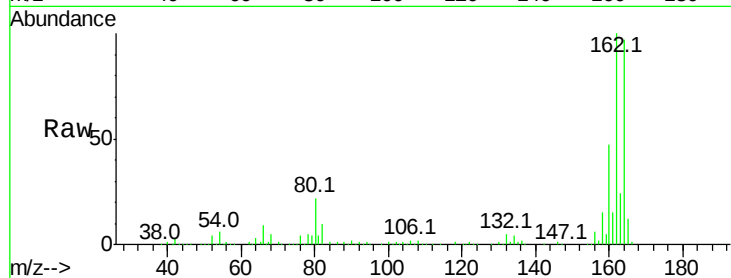




#56
 2,4-Dinitrotoluene
 Concen: 6.825 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF101684.D
 Acq: 23 Dec 2017 6:21

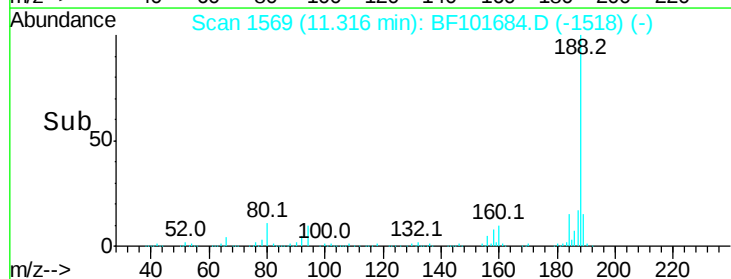
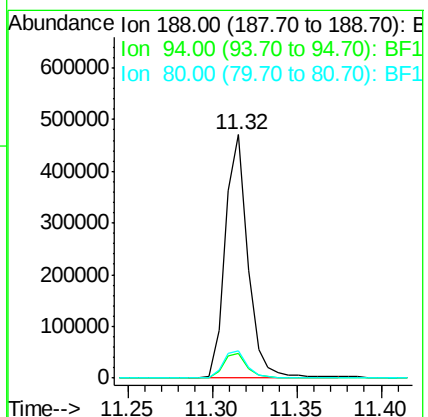
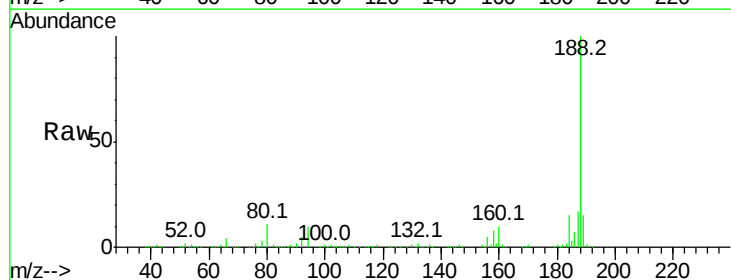
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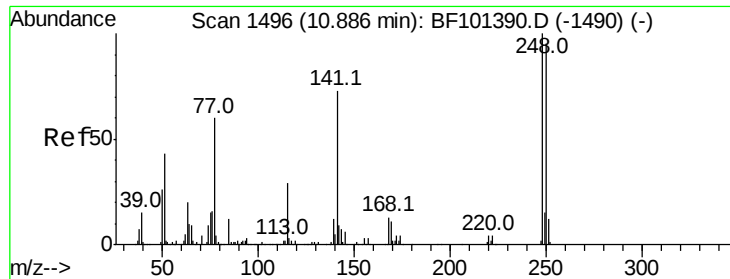
Tot Ion:165 Resp: 31063
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF101684.D
 Acq: 23 Dec 2017 6:21

Tgt Ion:188 Resp: 441710
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.5 12.7
 80 11.0 9.2 13.8

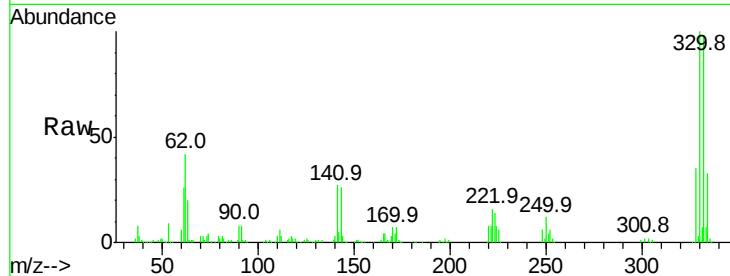




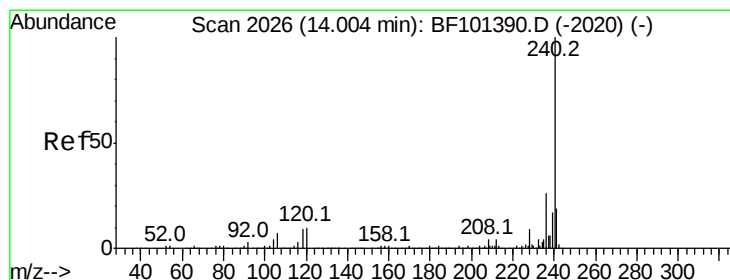
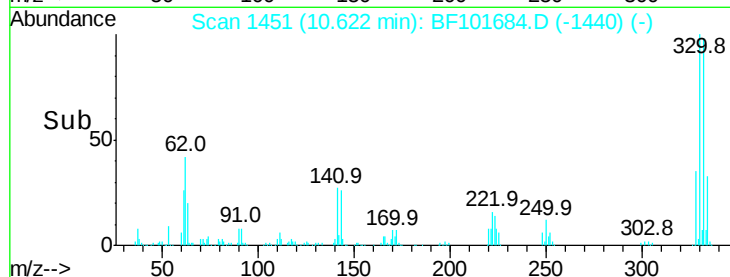
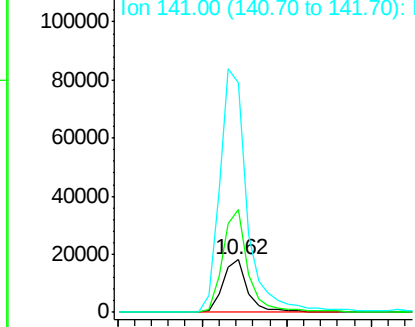
#66
4-Bromophenyl-phenylether
Concen: 3.742 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF101684.D
Acq: 23 Dec 2017 6:21

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tot Ion:248 Resp: 18573
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 434.4 74.4 111.6#

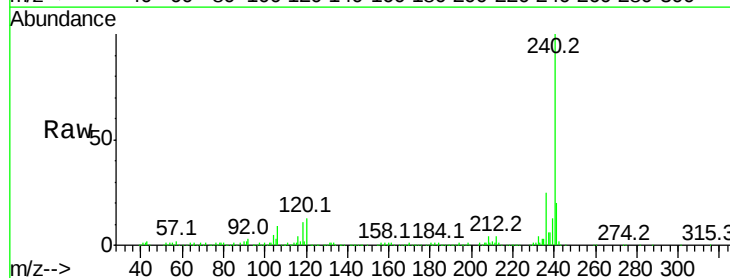


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

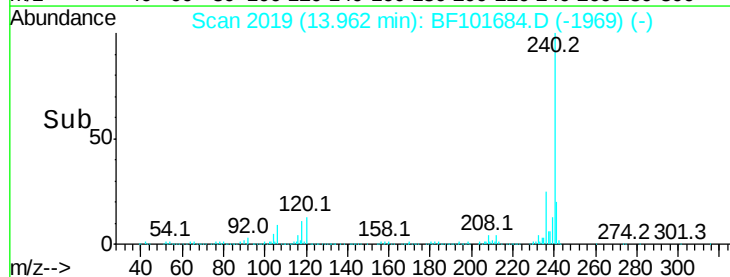
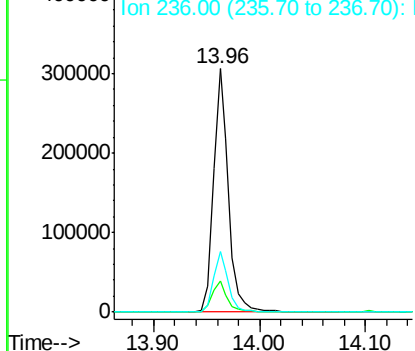


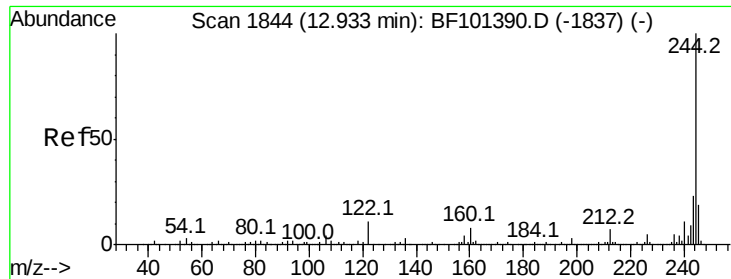
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101684.D
Acq: 23 Dec 2017 6:21

Tgt Ion:240 Resp: 304185
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 24.9 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: 95.060 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

Instrument :

BNA_F

ClientSampleId :

EO-02-122017-C

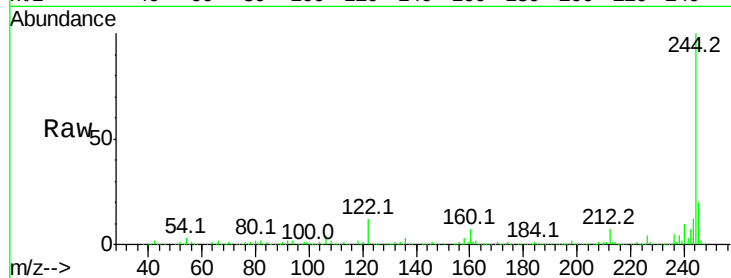
Tot Ion:244 Resp: 1199448

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

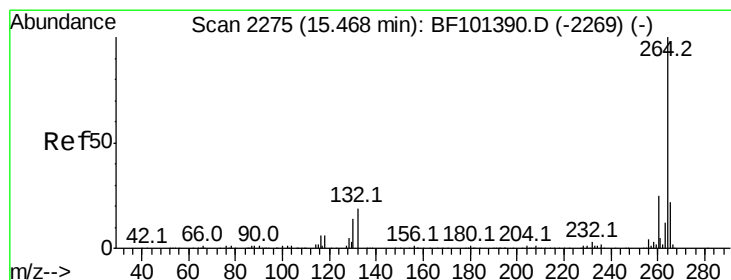
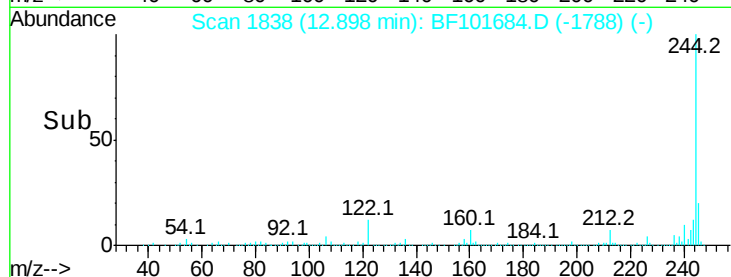
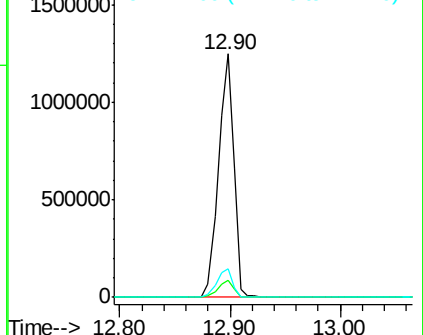
122 11.5 11.0 16.4



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: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF101684.D

Acq: 23 Dec 2017 6:21

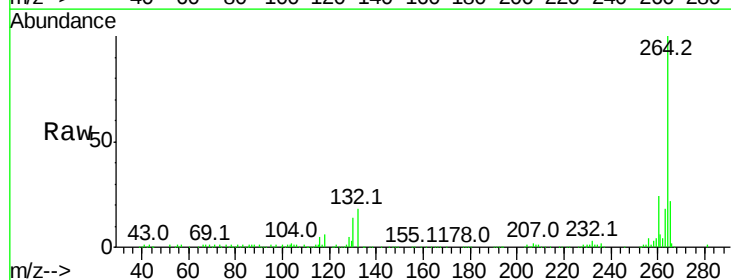
Tgt Ion:264 Resp: 245849

Ion Ratio Lower Upper

264 100

260 23.8 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

