

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101508.D
 Acq On : 19 Dec 2017 5:11
 Operator : SJ/JU
 Sample : I6909-10
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121217-FOPI-E-U-M

Quant Time: Dec 19 07:07:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

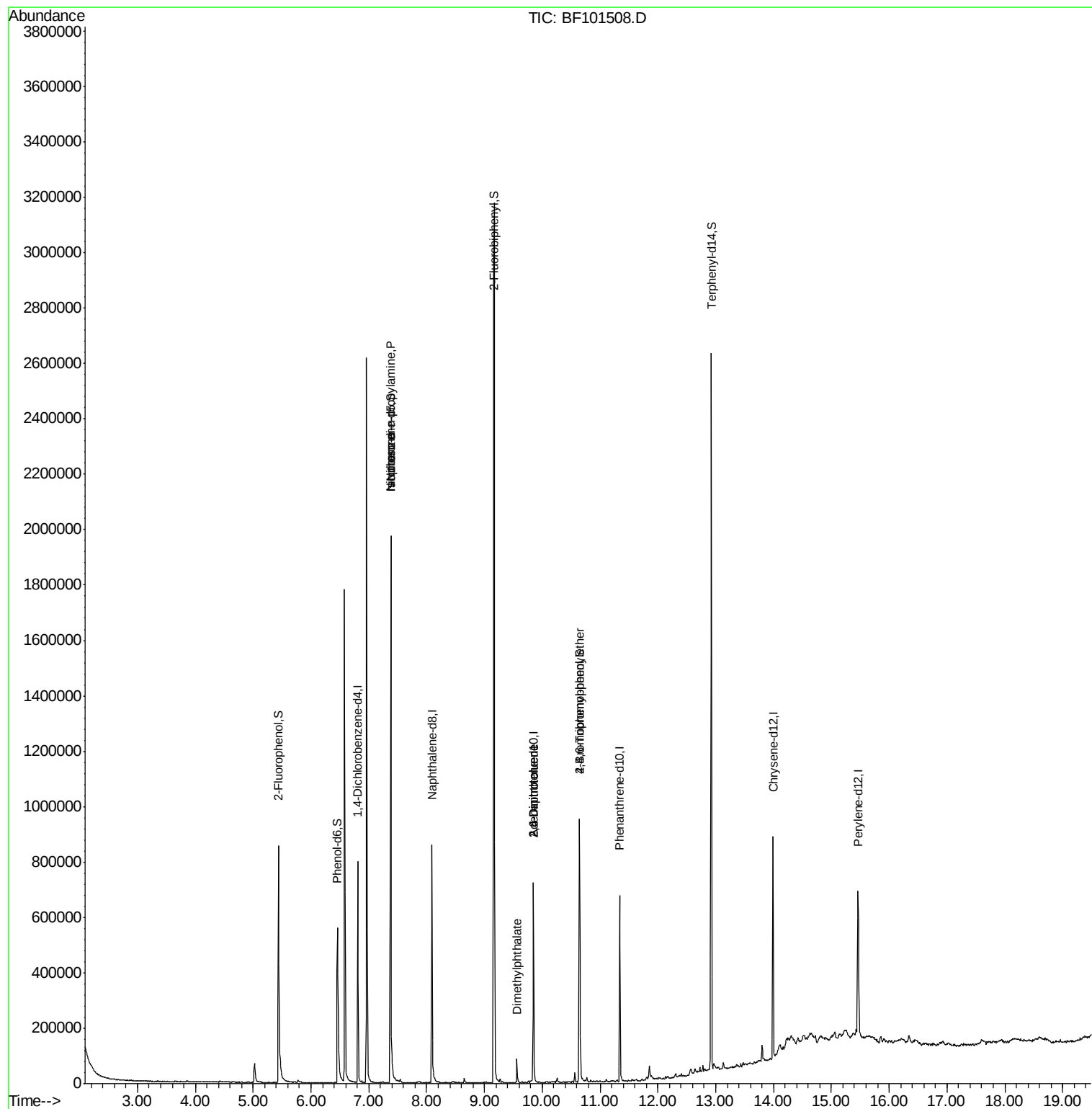
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	120190	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	425213	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	152966	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	256848	20.00	ng	0.00
75) Chrysene-d12	13.99	240	288442	20.00	ng	0.00
86) Perylene-d12	15.46	264	268105	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	336240	41.67	ng	0.01
7) Phenol-d6	6.46	99	252119	25.11	ng	0.00
23) Nitrobenzene-d5	7.38	82	699804	91.61	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	131215	89.02	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1106862	112.25	ng	0.00
78) Terphenyl-d14	12.92	244	924425	77.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	90661	13.75	ng	# 80
25) Isophorone	7.38	82	699800	45.67	ng	# 64
49) Dimethylphthalate	9.56	163	36465	2.96	ng	99
50) 2,6-Dinitrotoluene	9.85	165	18782	7.51	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	18782	6.67	ng	# 22
66) 4-Bromophenyl-phenylether	10.65	248	7781	2.70	ng	# 1

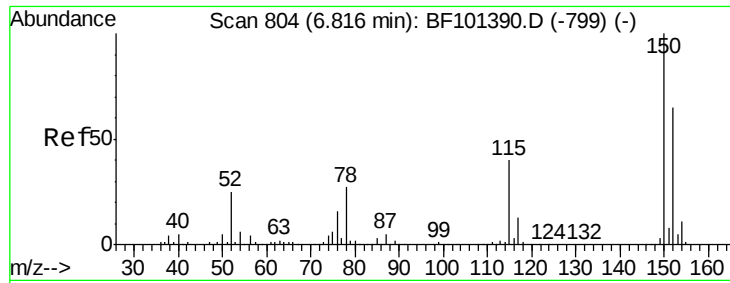
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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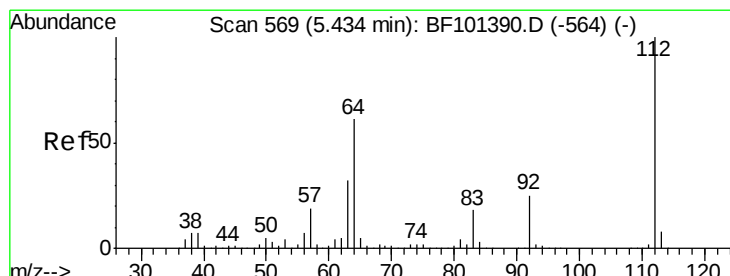
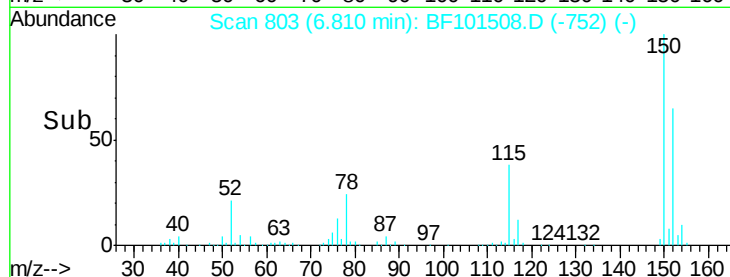
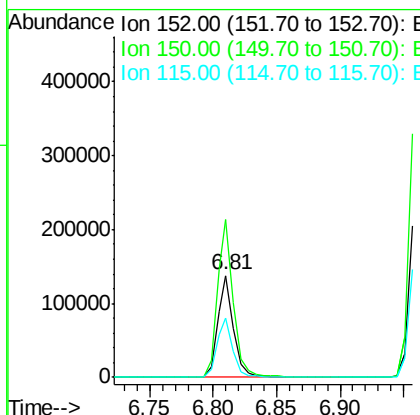
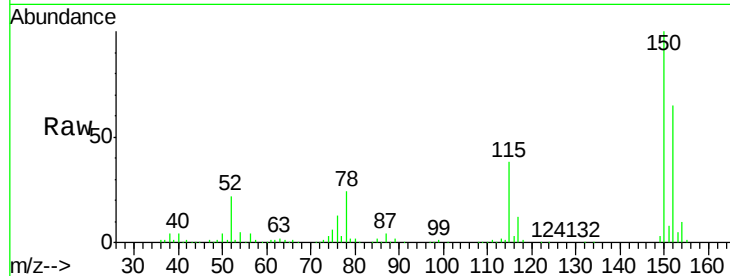


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Instrument :
BNA_F
ClientSampleId :
121217-FOPI-E-U-M

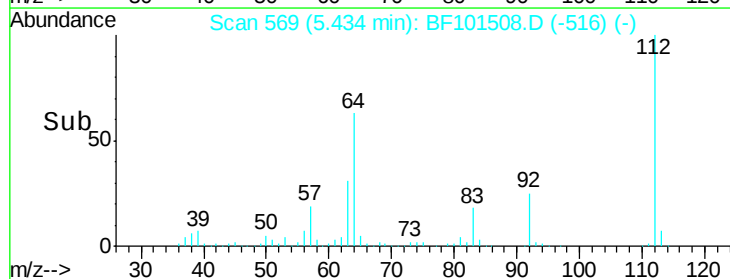
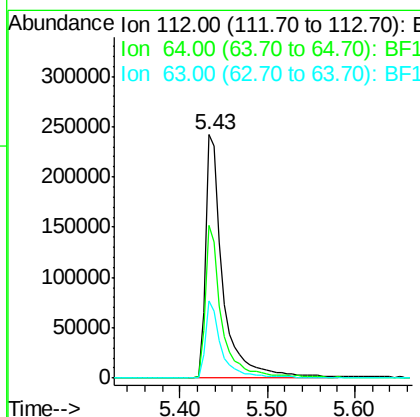
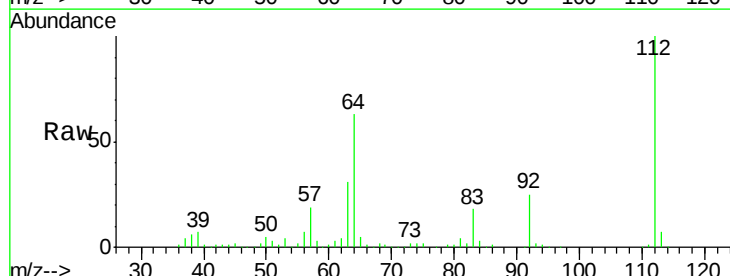
Tot Ion:152 Resp: 120190
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 58.6 50.1 75.1

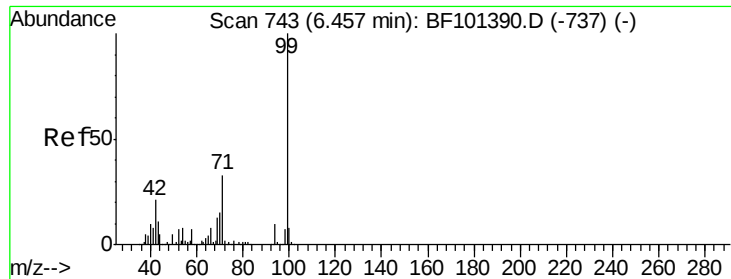


#5

2-Fluorophenol
Concen: 41.67 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Tgt Ion:112 Resp: 336240
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 31.5 23.7 35.5





#7

Phenol-d6

Concen: 25.11 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101508.D

Acq: 19 Dec 2017 5:11

Instrument :

BNA_F

ClientSampleId :

121217-FOPI-E-U-M

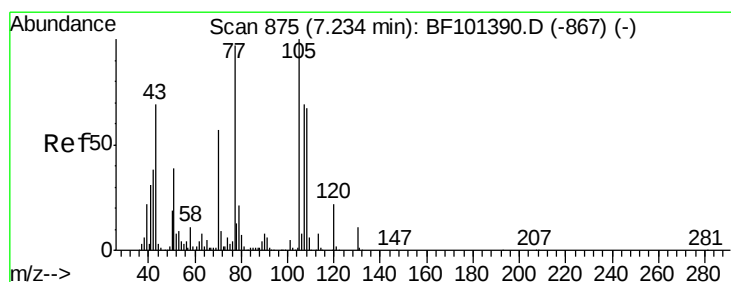
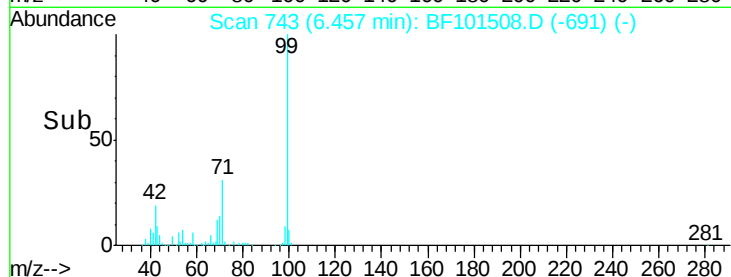
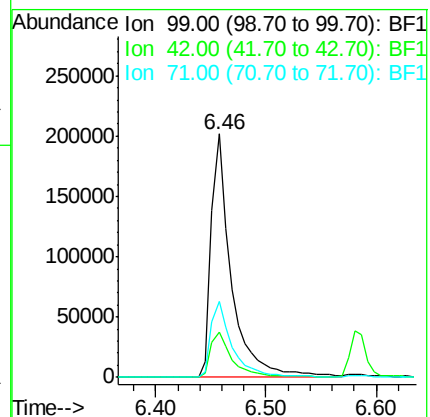
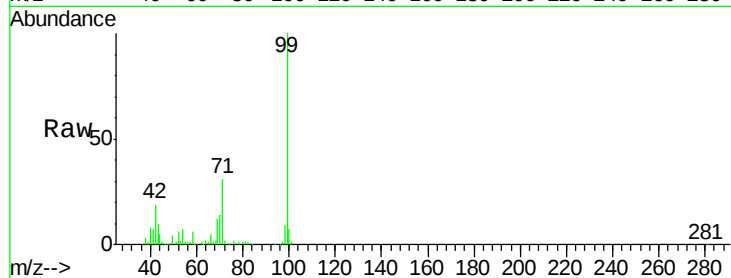
Tot Ion: 99 Resp: 252119

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 31.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.75 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF101508.D

Acq: 19 Dec 2017 5:11

Tgt Ion: 70 Resp: 90661

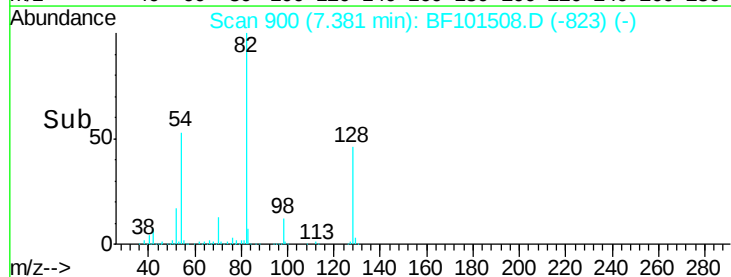
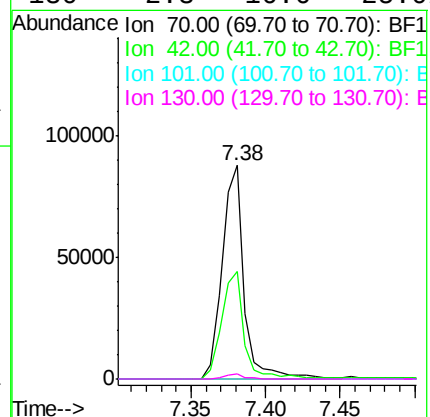
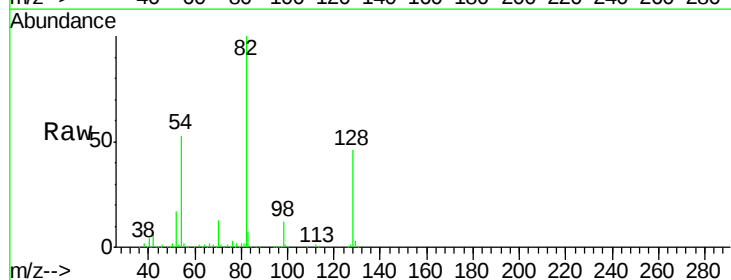
Ion Ratio Lower Upper

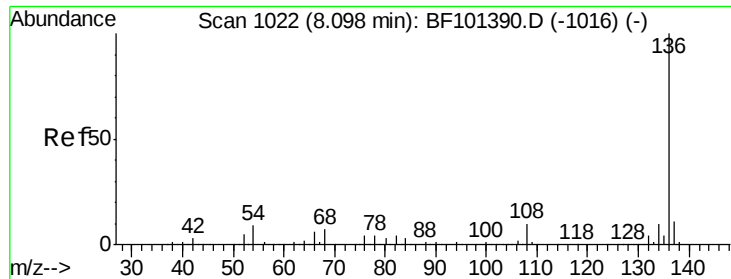
70 100

42 50.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

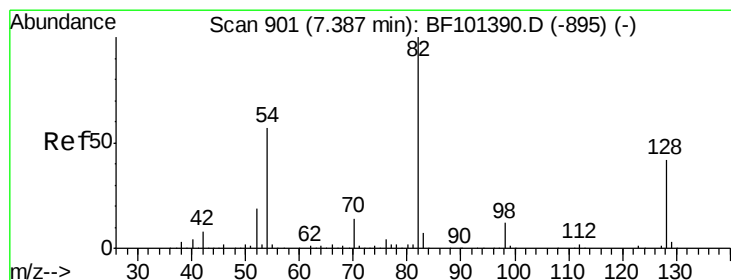
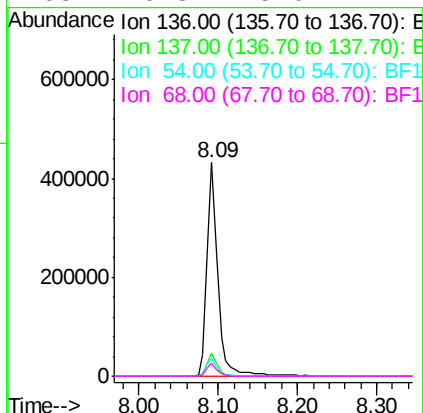
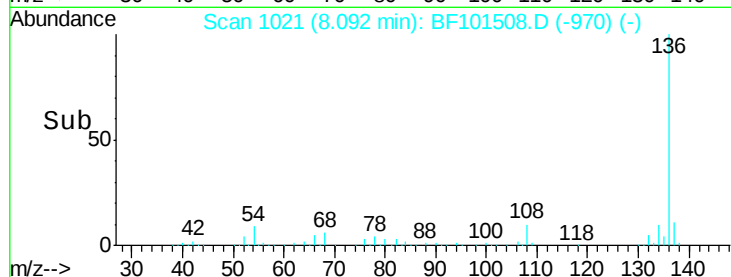
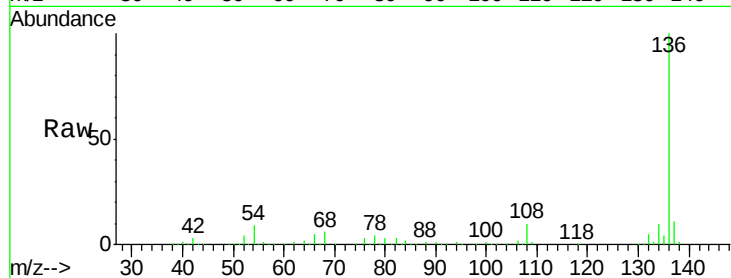




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

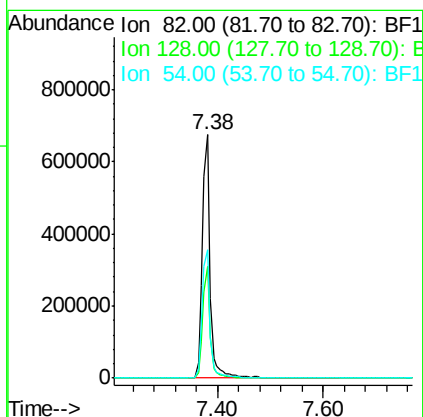
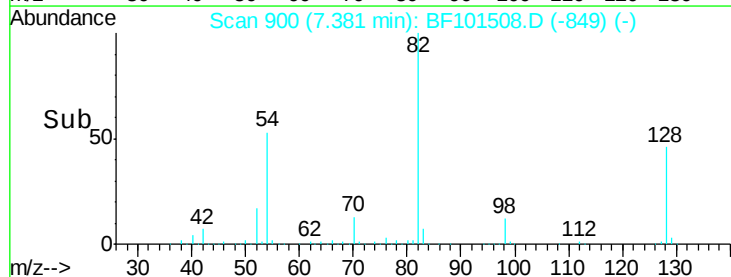
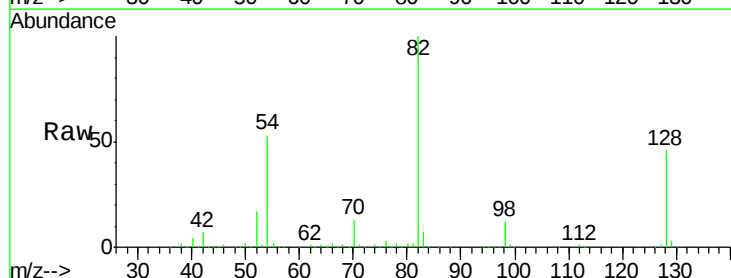
Instrument :
BNA_F
ClientSampleId :
121217-FOPI-E-U-M

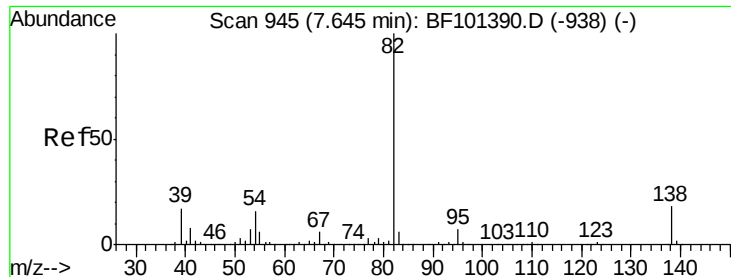
Tot Ion:136	Resp:	425213
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	8.5	6.6 9.8
68	6.3	5.0 7.4



#23
Nitrobenzene-d5
Concen: 91.61 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Tgt Ion: 82	Resp:	699804
Ion Ratio	Lower	Upper
82	100	
128	45.7	36.1 54.1
54	52.7	41.4 62.2





#25

Isophorone

Concen: 45.67 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF101508.D

Acq: 19 Dec 2017 5:11

Instrument :

BNA_F

ClientSampleId :

121217-FOPI-E-U-M

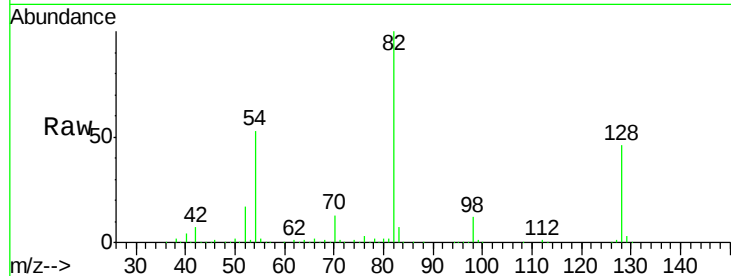
Tot Ion: 82 Resp: 699800

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

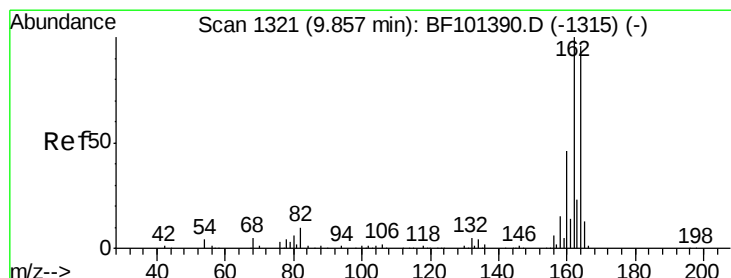
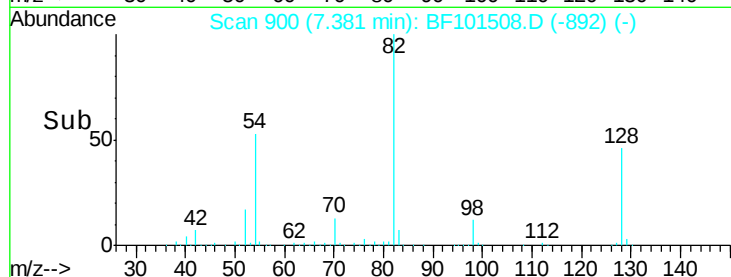
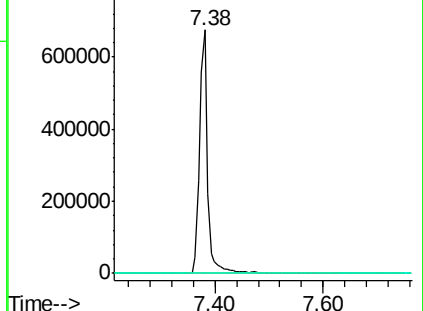
138 0.0 14.9 22.3#



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: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101508.D

Acq: 19 Dec 2017 5:11

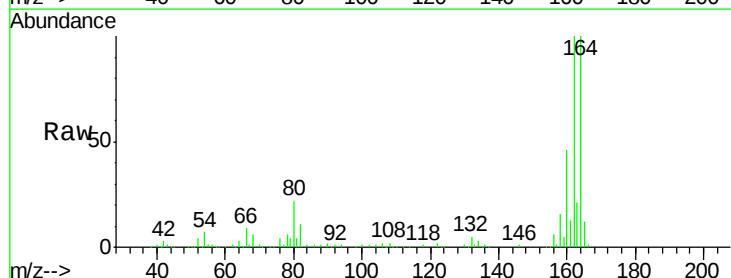
Tgt Ion: 164 Resp: 152966

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

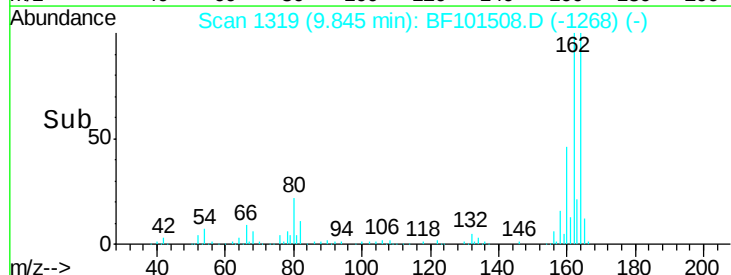
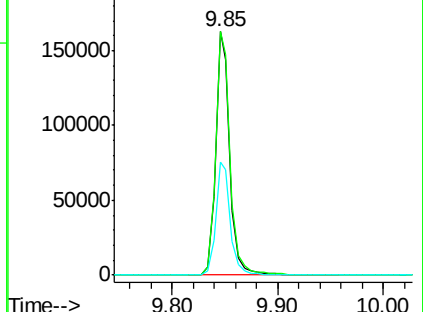
160 46.5 38.3 57.5

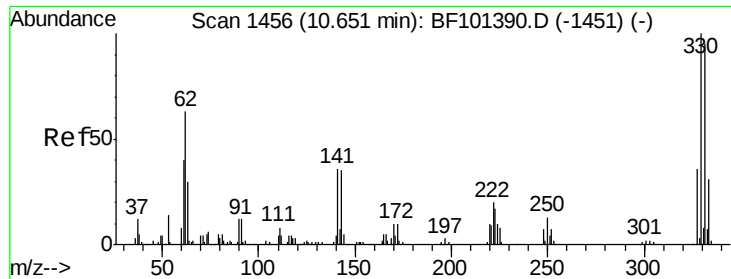


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

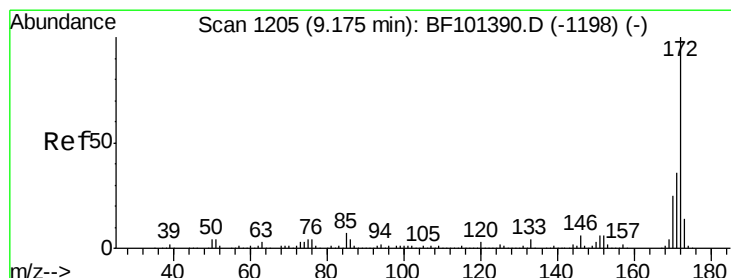
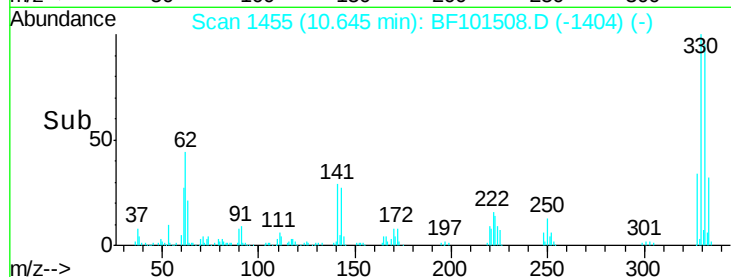
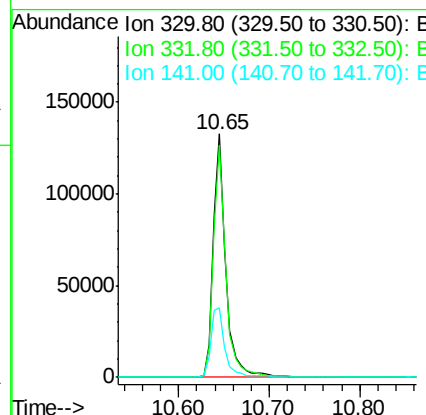
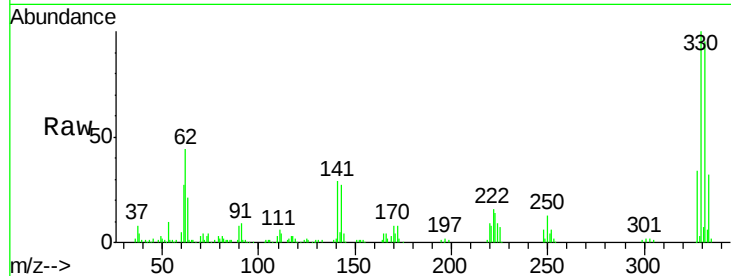




#41
 2,4,6-Tribromophenol
 Concen: 89.02 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF101508.D
 Acq: 19 Dec 2017 5:11

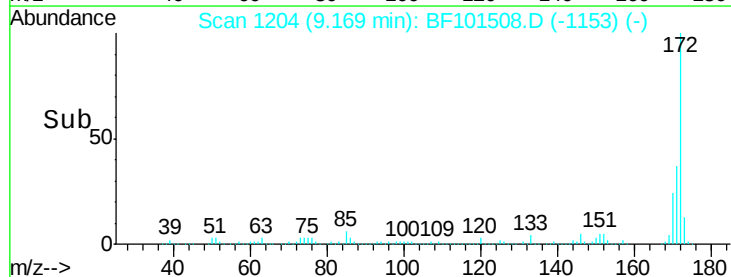
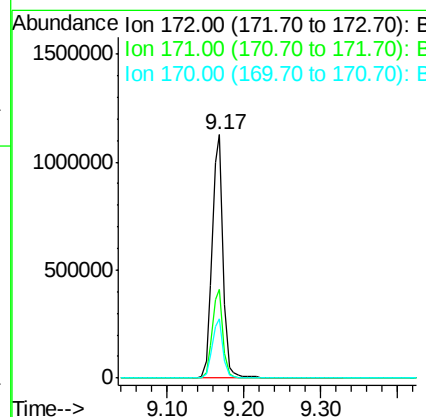
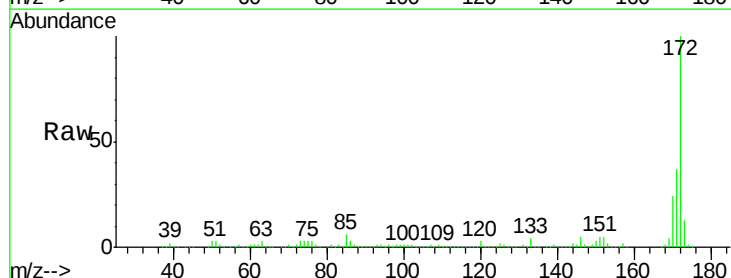
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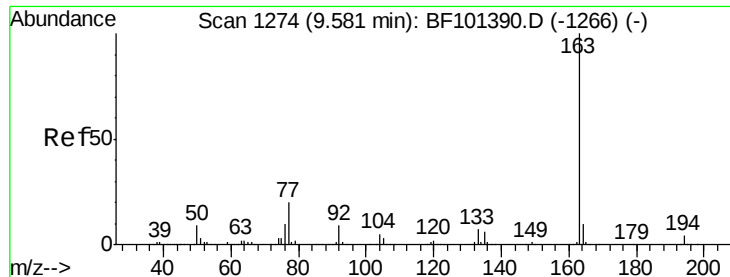
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	32.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 112.25 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF101508.D
 Acq: 19 Dec 2017 5:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	19.6	29.4

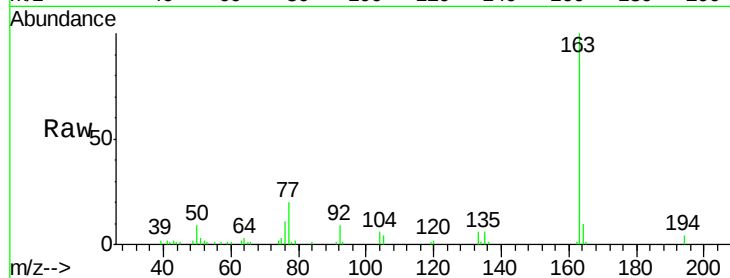




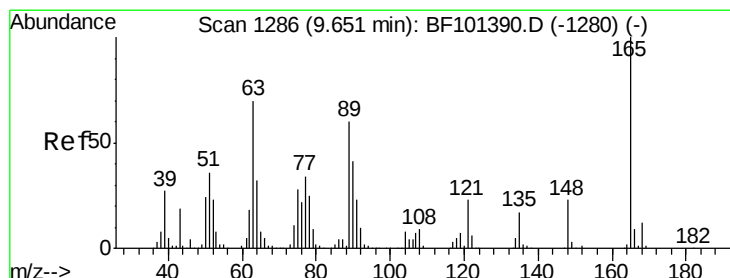
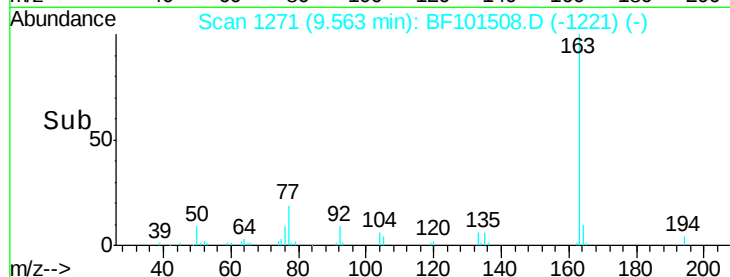
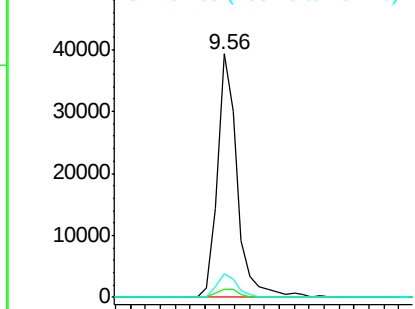
#49
Dimethylphthalate
Concen: 2.96 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Instrument :
BNA_F
ClientSampleId :
121217-FOPI-E-U-M

Tot Ion:163 Resp: 36465
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.2 12.2

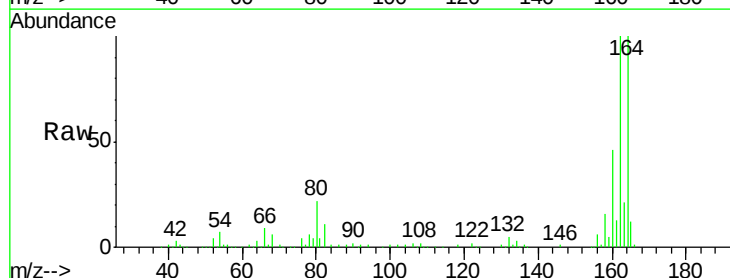


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

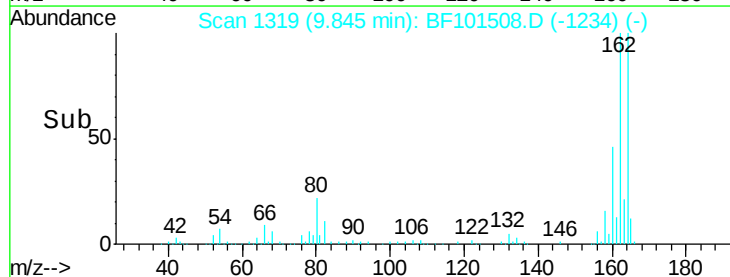
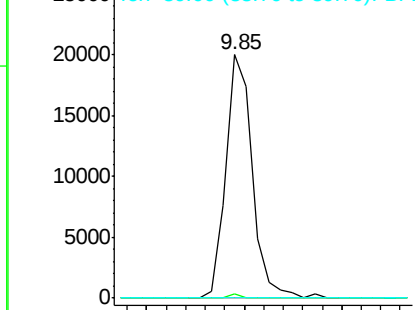


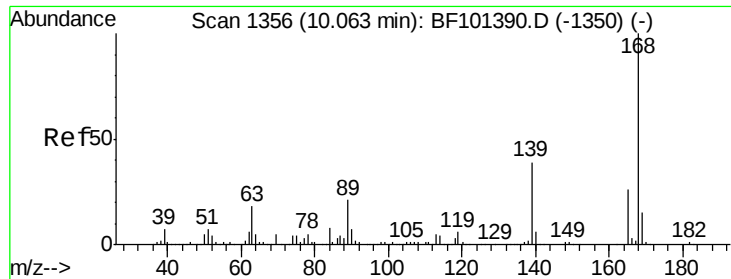
#50
2,6-Dinitrotoluene
Concen: 7.51 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Tgt Ion:165 Resp: 18782
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 0.0 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

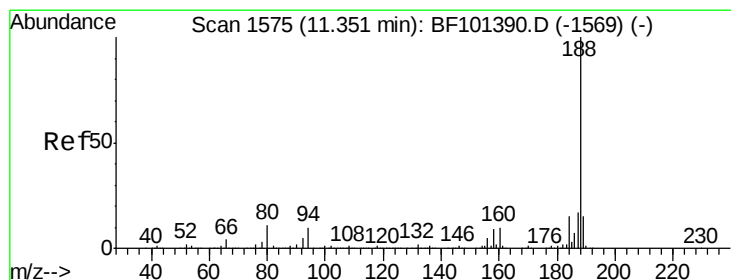
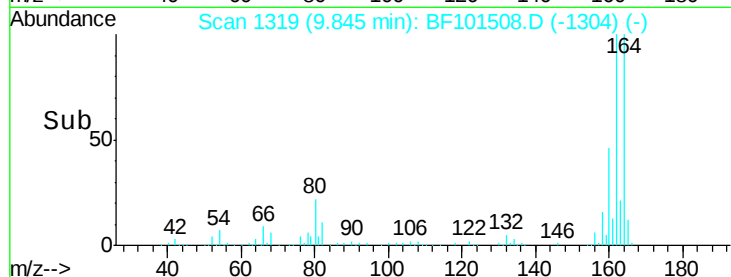
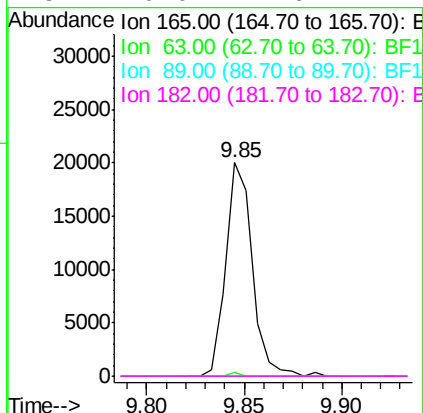
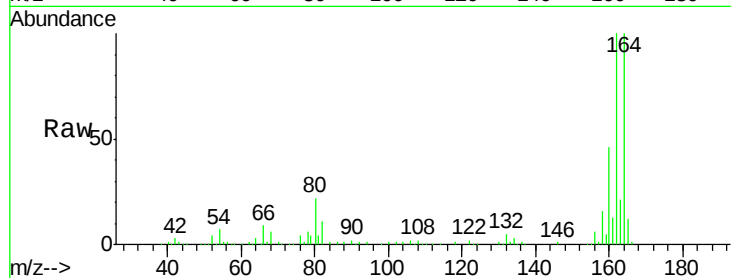




#56
2,4-Dinitrotoluene
Concen: 6.67 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

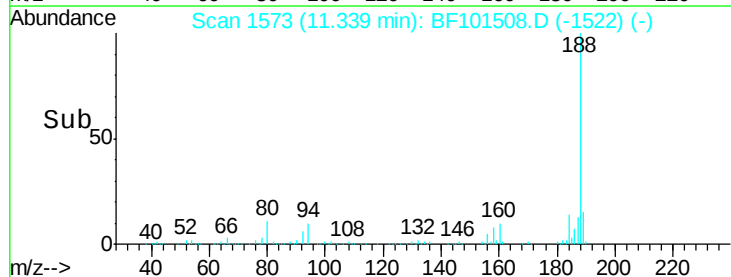
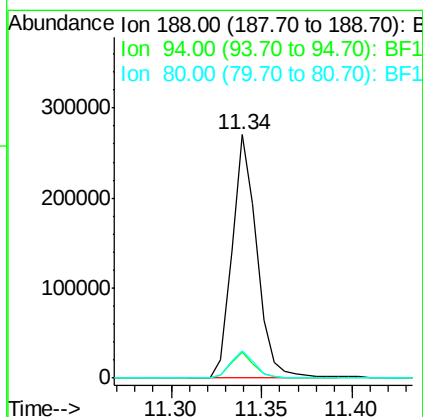
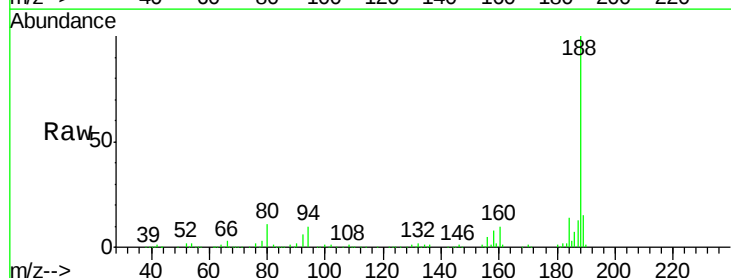
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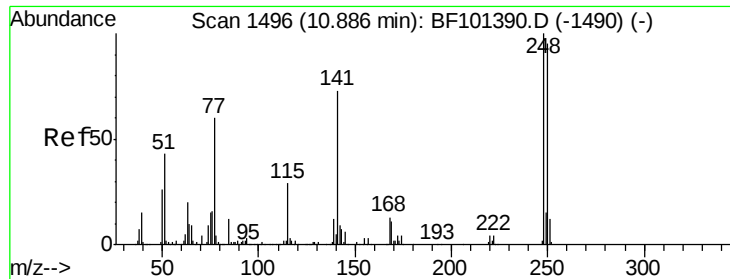
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.1	9.2	13.8

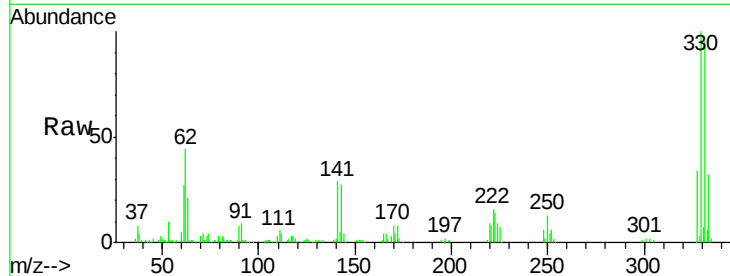




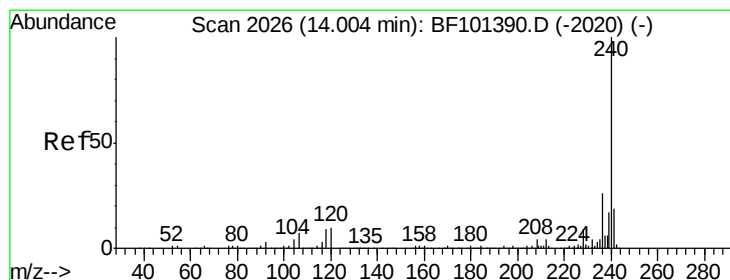
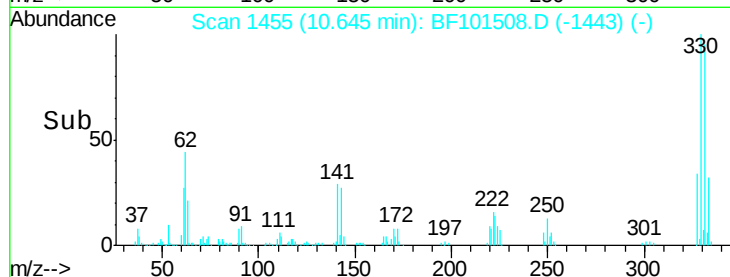
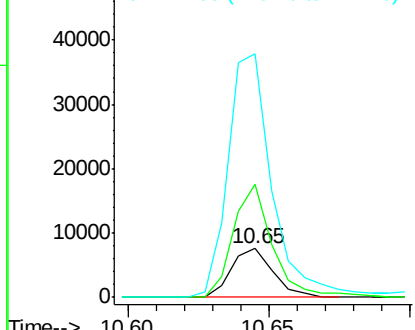
#66
4-Bromophenyl-phenylether
Concen: 2.70 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Instrument :
BNA_F
ClientSampleId :
121217-FOPI-E-U-M

Tot Ion:248 Resp: 7781
Ion Ratio Lower Upper
248 100
250 229.9 76.9 115.3#
141 497.4 74.4 111.6#

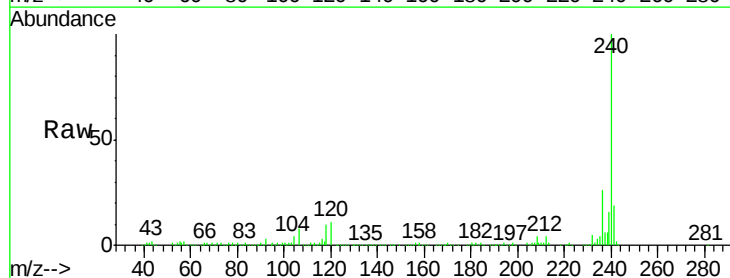


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

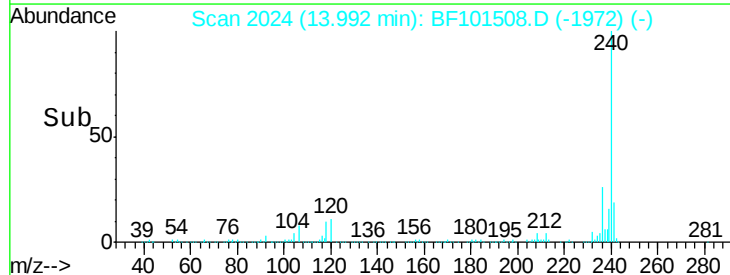
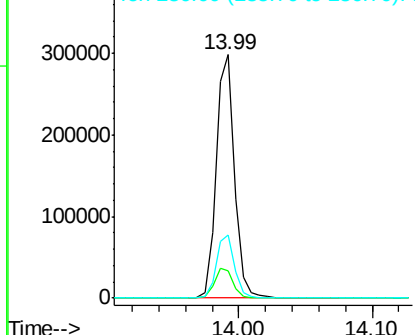


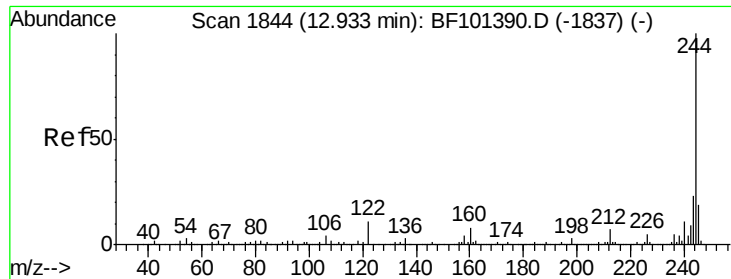
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF101508.D
Acq: 19 Dec 2017 5:11

Tgt Ion:240 Resp: 288442
Ion Ratio Lower Upper
240 100
120 11.4 9.5 14.3
236 25.7 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: 77.26 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101508.D

Acq: 19 Dec 2017 5:11

Instrument :

BNA_F

ClientSampleId :

121217-FOPI-E-U-M

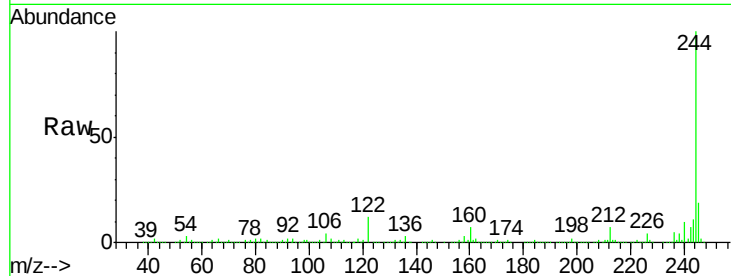
Tot Ion:244 Resp: 924425

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

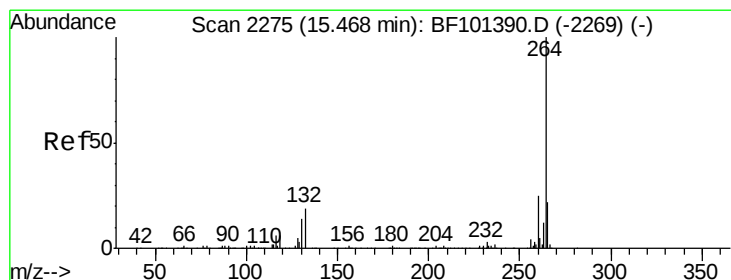
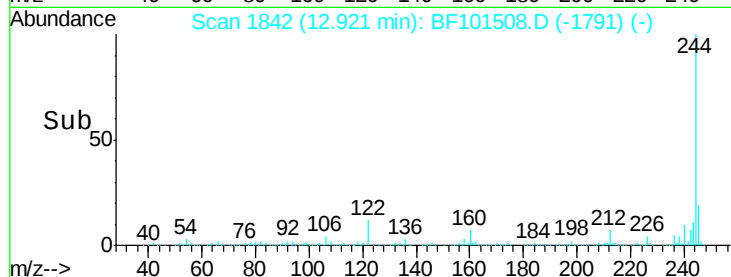
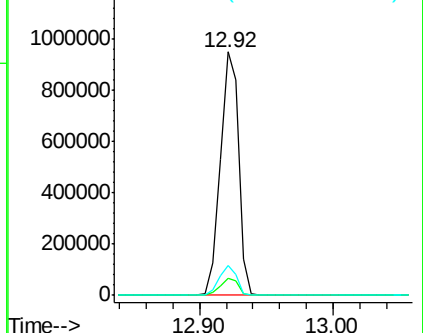
122 12.0 11.0 16.4



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: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF101508.D

Acq: 19 Dec 2017 5:11

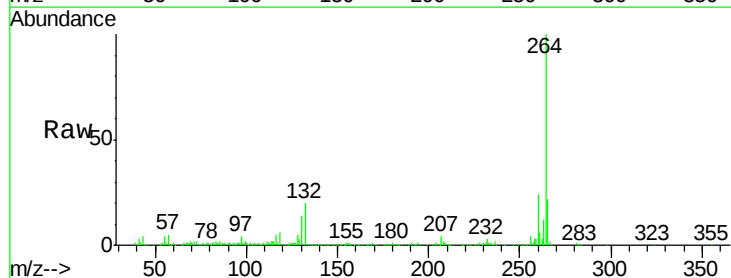
Tgt Ion:264 Resp: 268105

Ion Ratio Lower Upper

264 100

260 24.4 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

