

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101501.D
 Acq On : 19 Dec 2017 2:03
 Operator : SJ/JU
 Sample : I6882-07RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121117-FOPI-E-D-M

Quant Time: Dec 19 04:21:42 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

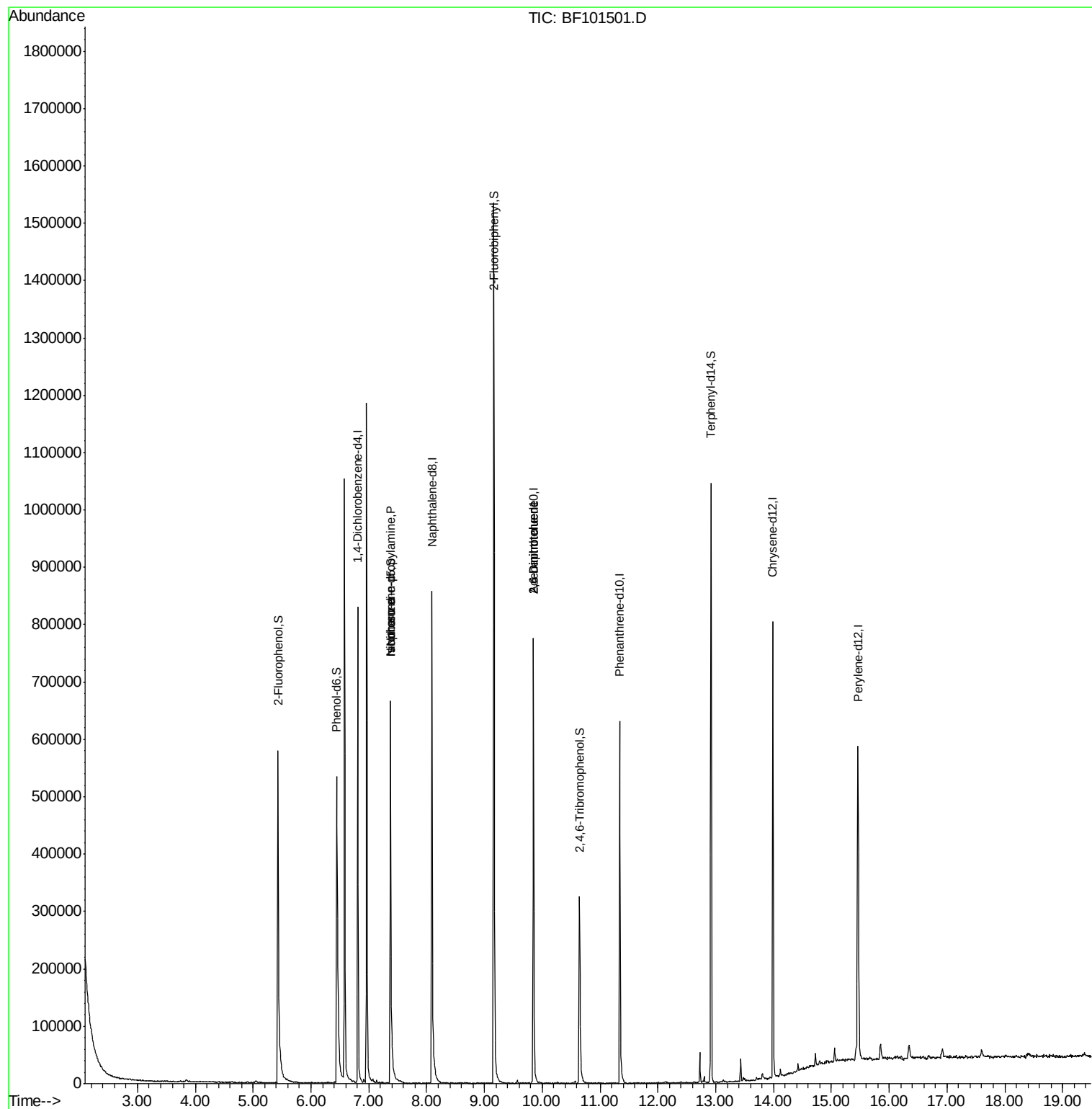
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	133070	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	494656	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	182152	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	283125	20.00	ng	0.00
75) Chrysene-d12	13.99	240	301794	20.00	ng	0.00
86) Perylene-d12	15.46	264	304726	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	267514	29.95	ng	0.00
7) Phenol-d6	6.45	99	289667	26.05	ng	0.00
23) Nitrobenzene-d5	7.37	82	282370	31.78	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	54345	30.96	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	515263	43.88	ng	0.00
78) Terphenyl-d14	12.92	244	357735	28.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	35971	4.93	ng	# 82
25) Isophorone	7.37	82	282370	15.84	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	23026	7.73	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	23026	6.86	ng	# 21

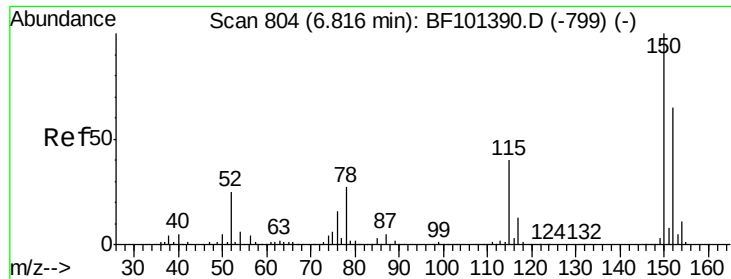
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF101501.D

Acq: 19 Dec 2017 2:03

Instrument :

BNA_F

ClientSampleId :

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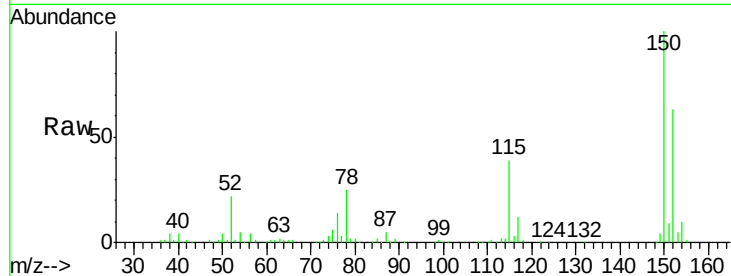
Tot Ion:152 Resp: 133070

Ion Ratio Lower Upper

152 100

150 157.7 124.6 186.8

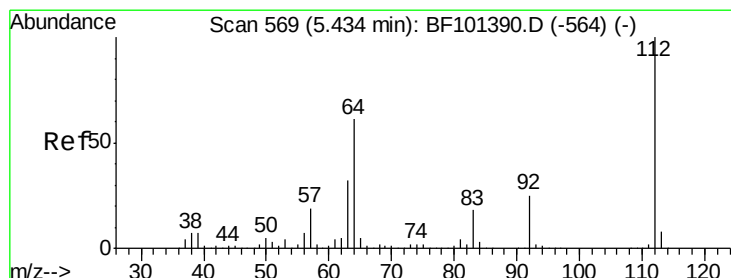
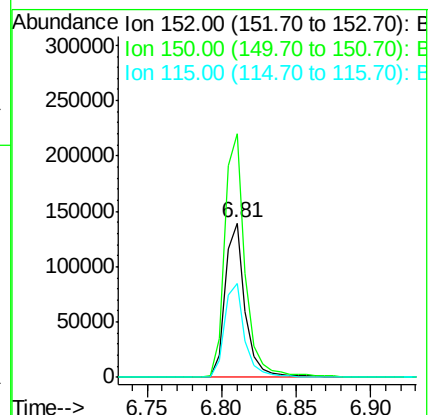
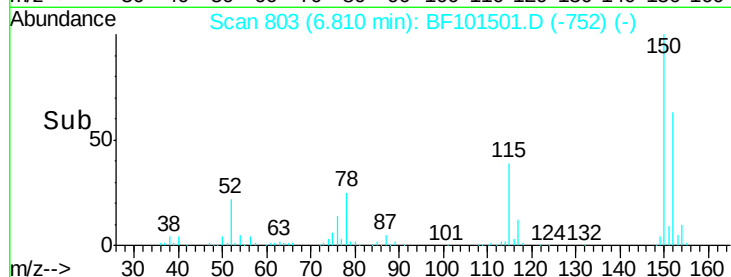
115 60.9 50.1 75.1



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: 29.95 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF101501.D

Acq: 19 Dec 2017 2:03

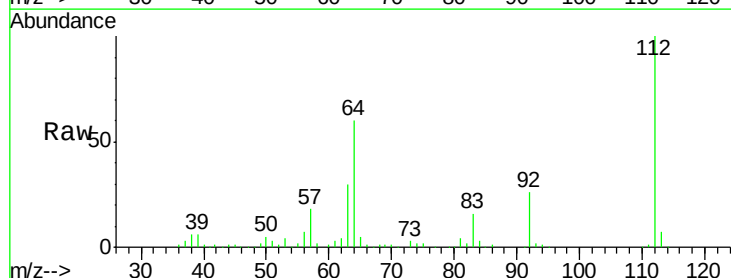
Tgt Ion:112 Resp: 267514

Ion Ratio Lower Upper

112 100

64 59.9 47.9 71.9

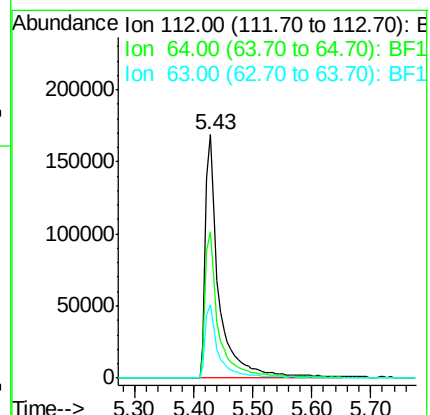
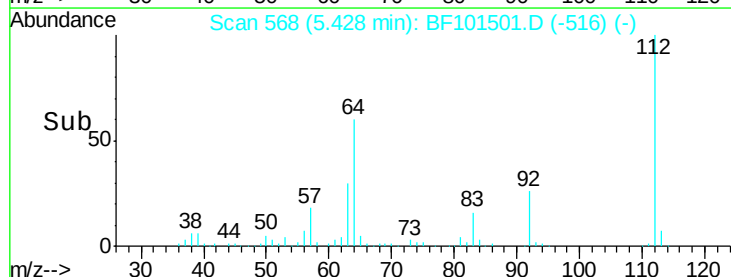
63 29.9 23.7 35.5

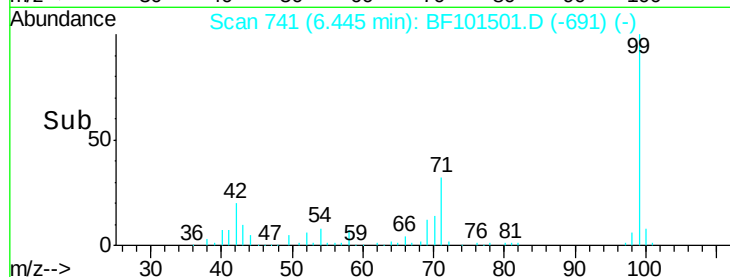
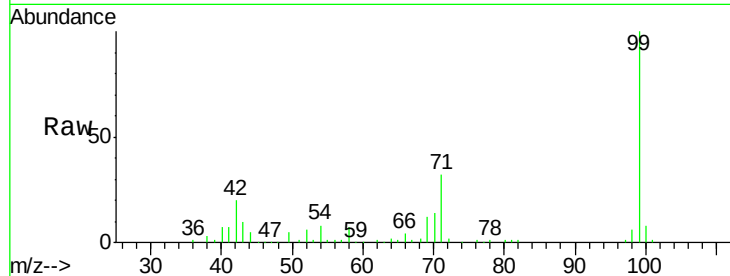
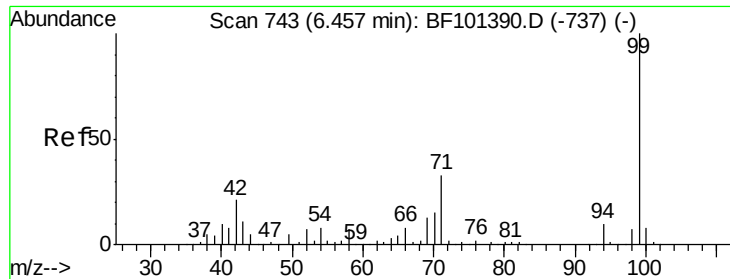


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 26.05 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101501.D

Acq: 19 Dec 2017 2:03

Instrument :

BNA_F

ClientSampleId :

121117-FOPI-E-D-M

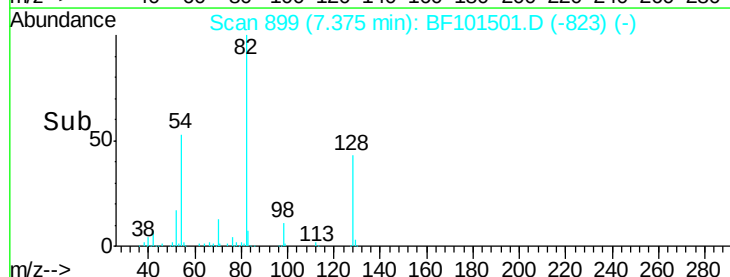
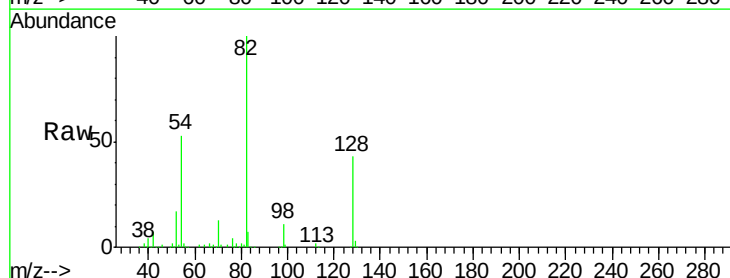
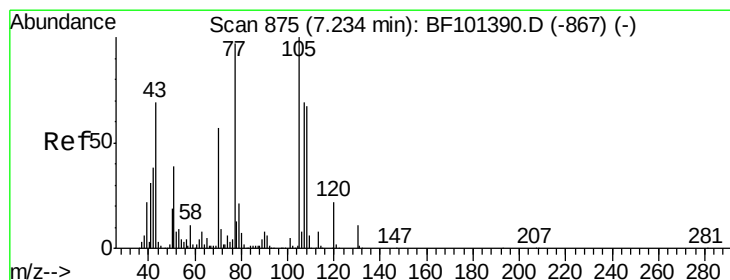
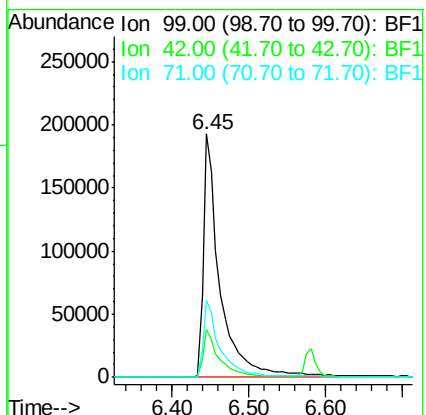
Tot Ion: 99 Resp: 289667

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 31.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.93 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101501.D

Acq: 19 Dec 2017 2:03

Tgt Ion: 70 Resp: 35971

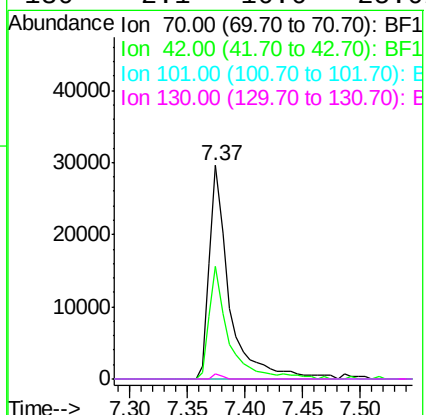
Ion Ratio Lower Upper

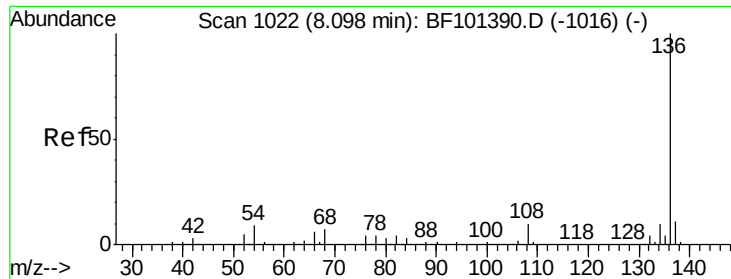
70 100

42 52.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

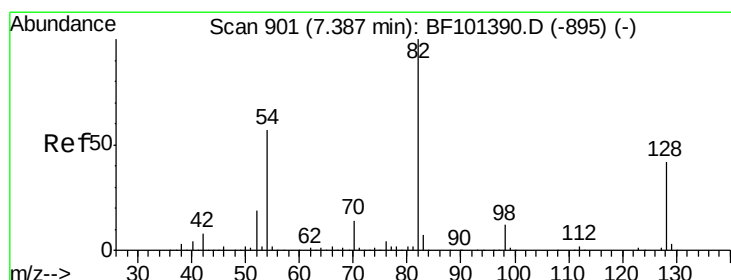
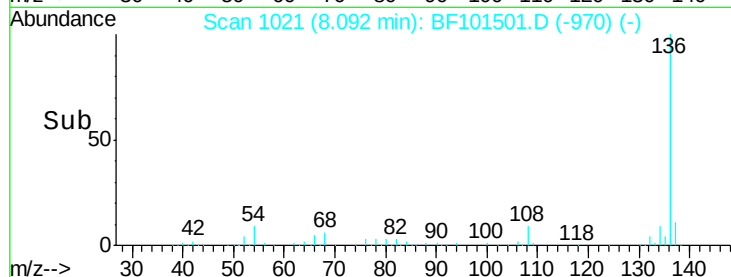
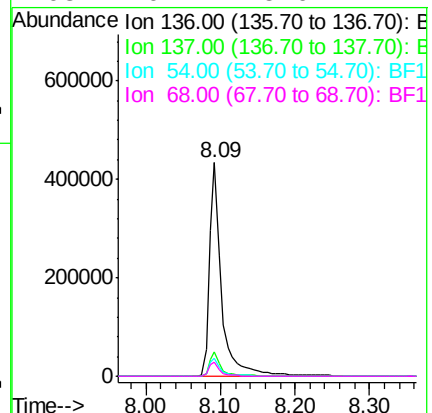
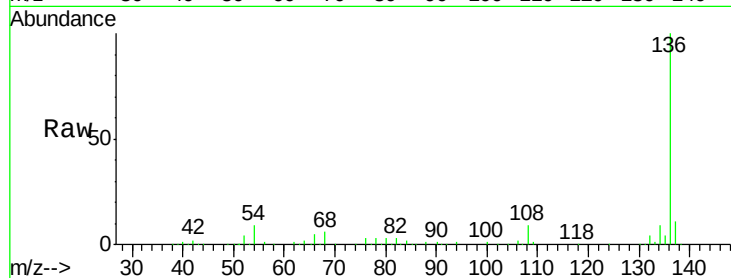




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101501.D
Acq: 19 Dec 2017 2:03

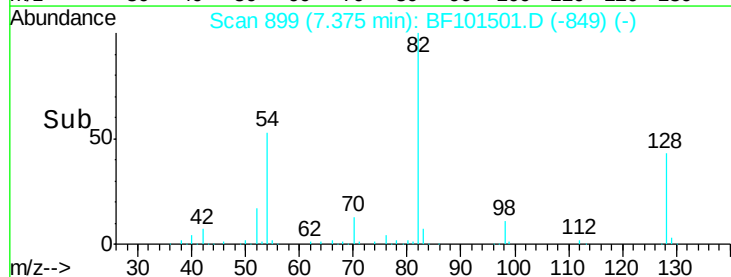
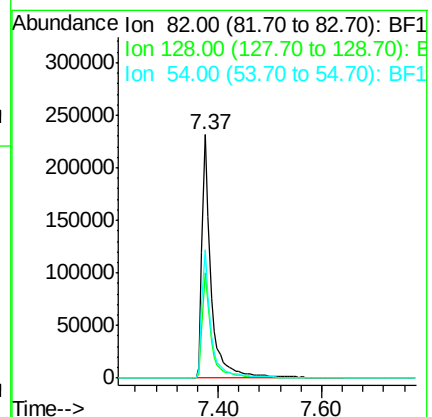
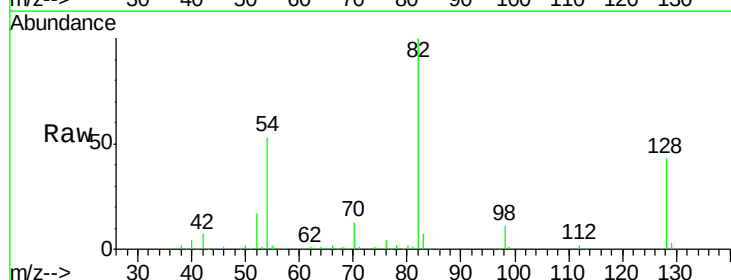
Instrument :
BNA_F
ClientSampleId :
121117-FOPI-E-D-M

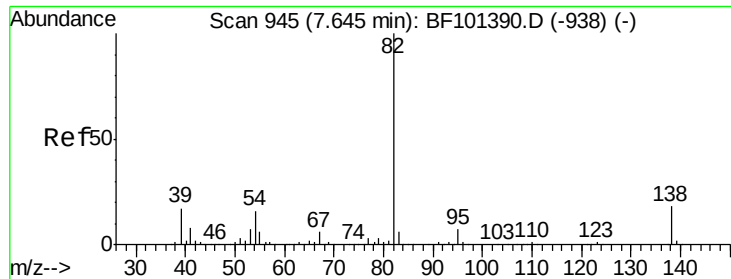
Tot Ion:136	Resp:	494656
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.9	13.3
54 8.6	6.6	9.8
68 6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 31.78 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101501.D
Acq: 19 Dec 2017 2:03

Tgt Ion: 82	Resp:	282370
Ion Ratio	Lower	Upper
82 100		
128 43.4	36.1	54.1
54 52.6	41.4	62.2





#25

Isophorone

Concen: 15.84 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101501.D

Acq: 19 Dec 2017 2:03

Instrument :

BNA_F

ClientSampleId :

121117-FOPI-E-D-M

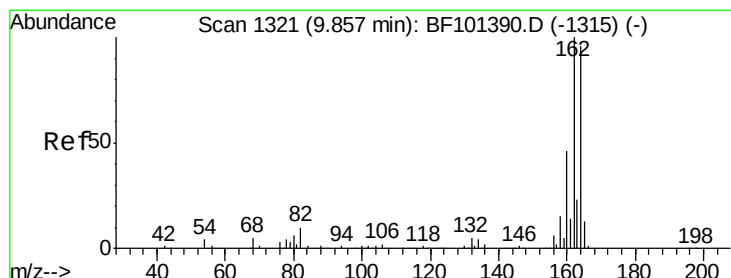
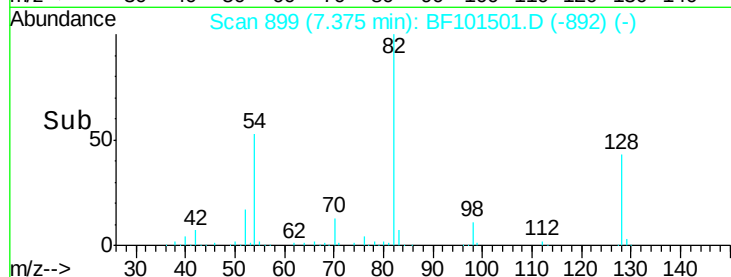
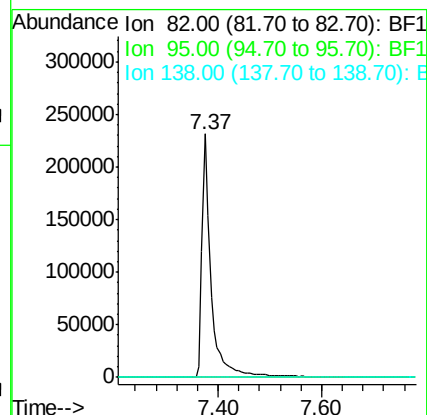
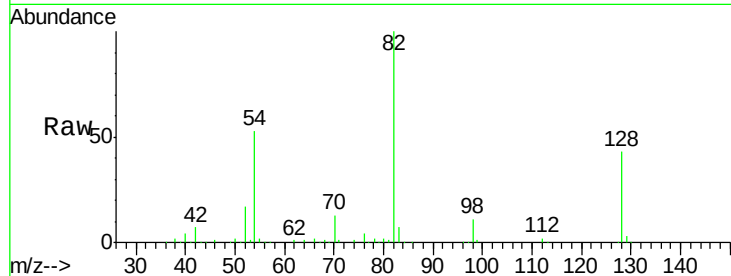
Tot Ion: 82 Resp: 282370

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF101501.D

Acq: 19 Dec 2017 2:03

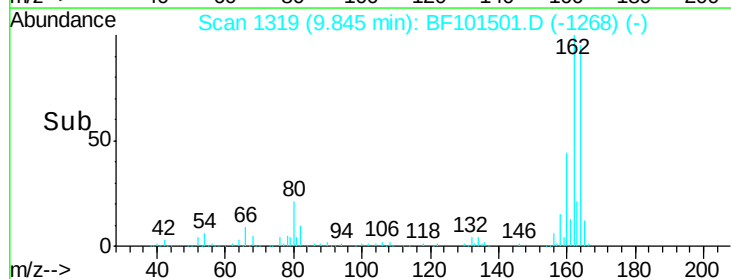
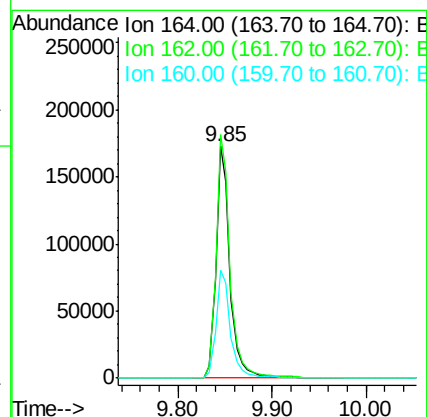
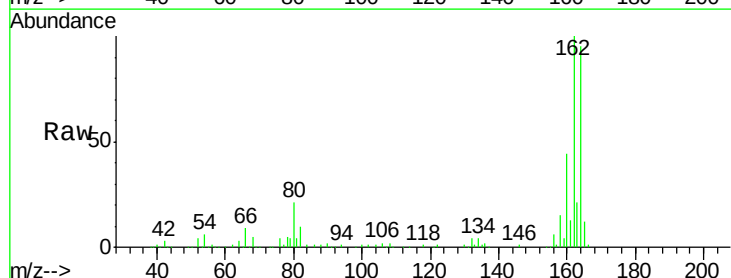
Tgt Ion: 164 Resp: 182152

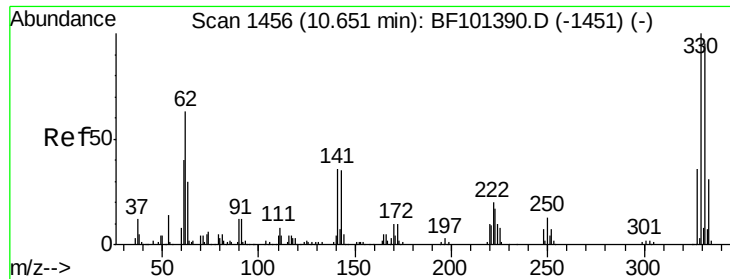
Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

160 46.7 38.3 57.5

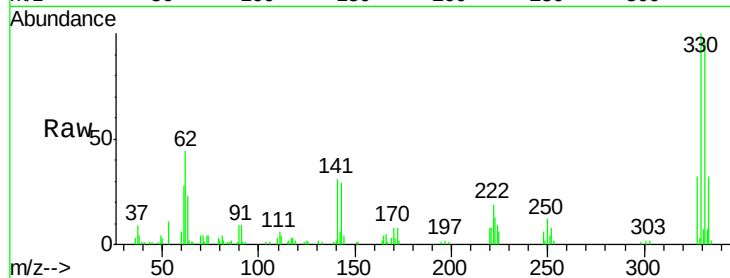




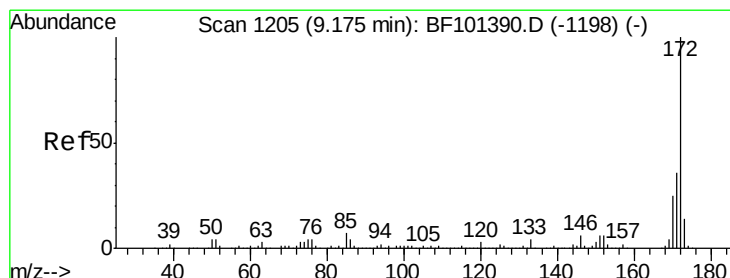
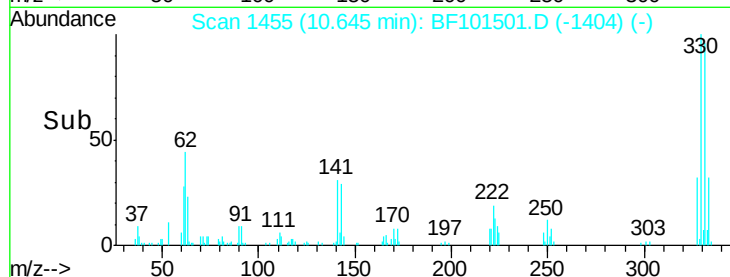
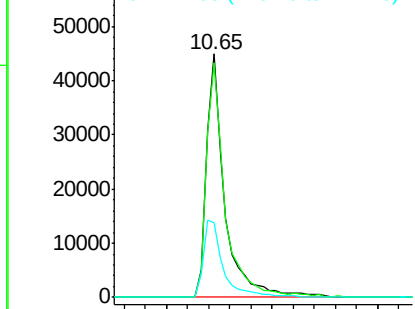
#41
 2,4,6-Tribromophenol
 Concen: 30.96 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF101501.D
 Acq: 19 Dec 2017 2:03

Instrument :
 BNA_F
 ClientSampleId :
 121117-FOPI-E-D-M

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	34.2	29.9	44.9

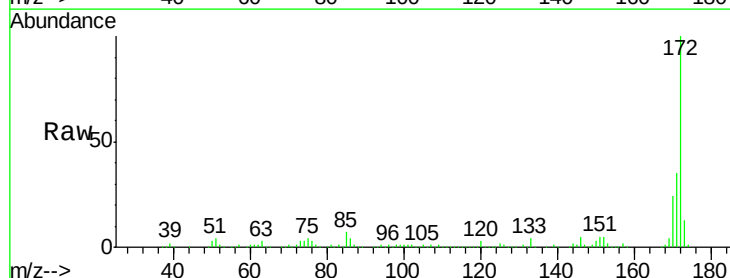


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

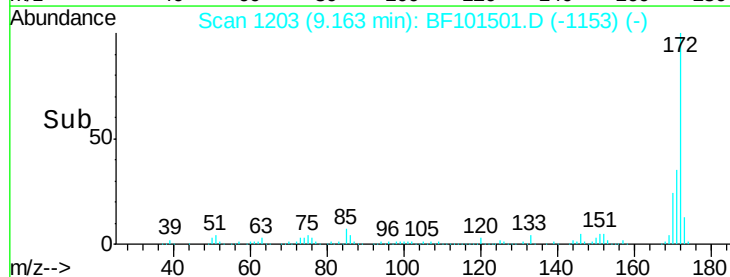
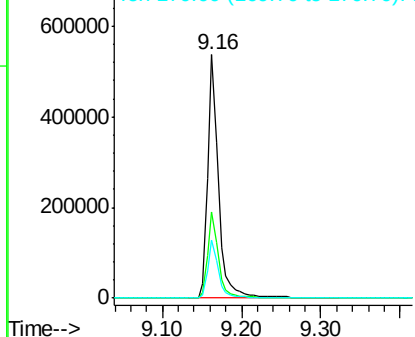


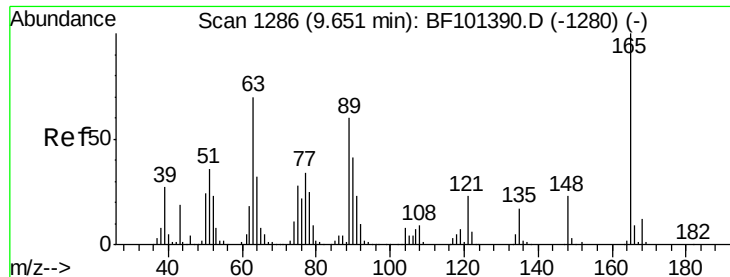
#44
 2-Fluorobiphenyl
 Concen: 43.88 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101501.D
 Acq: 19 Dec 2017 2:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.8	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

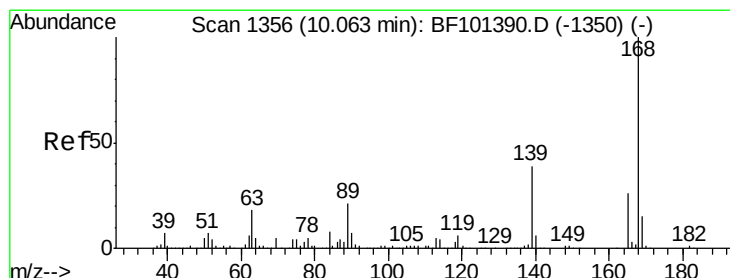
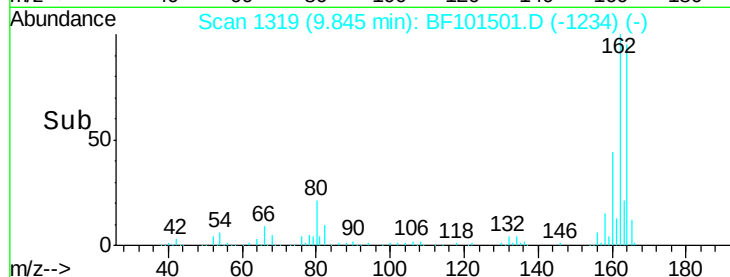
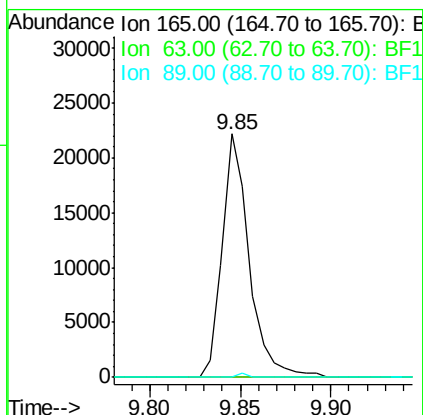
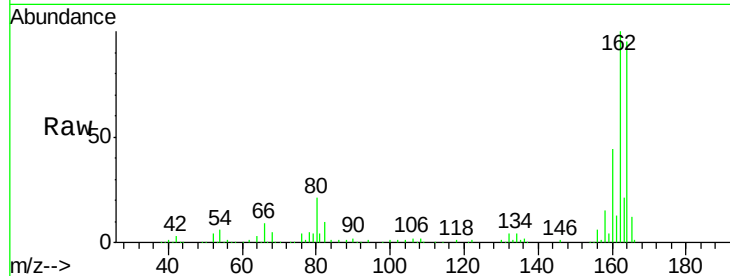




#50
2,6-Dinitrotoluene
Concen: 7.73 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101501.D
Acq: 19 Dec 2017 2:03

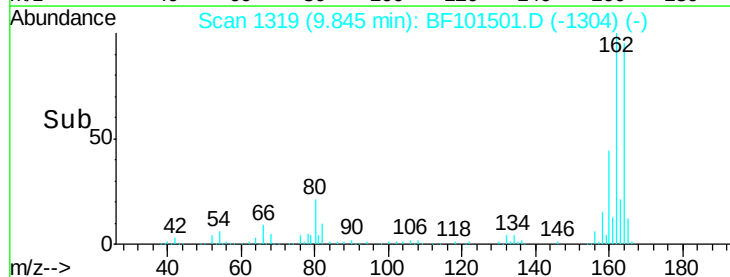
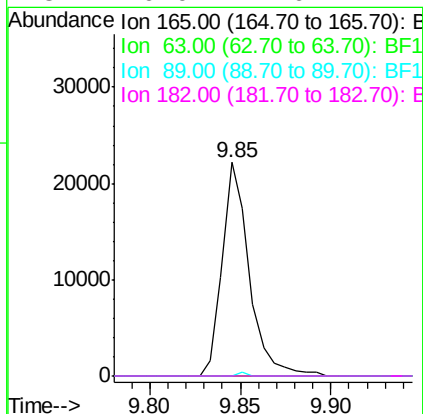
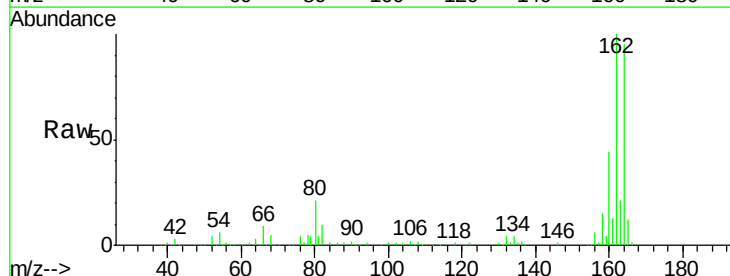
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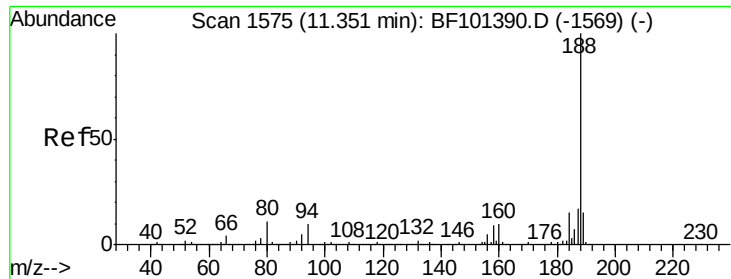
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.86 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101501.D
Acq: 19 Dec 2017 2:03

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

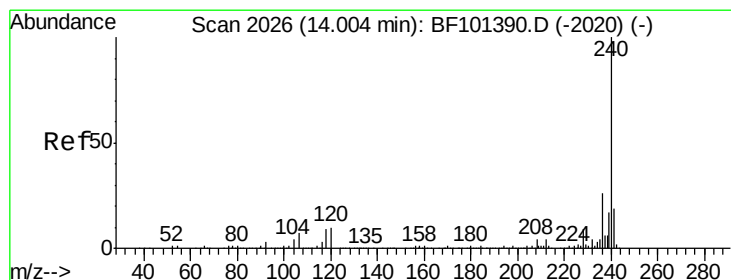
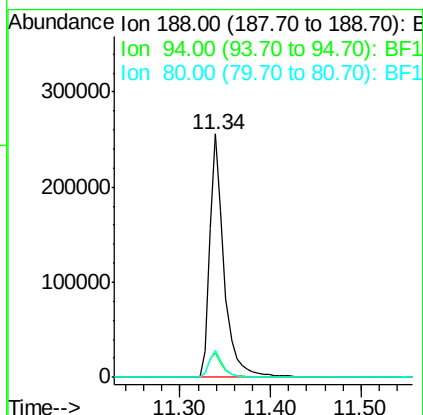
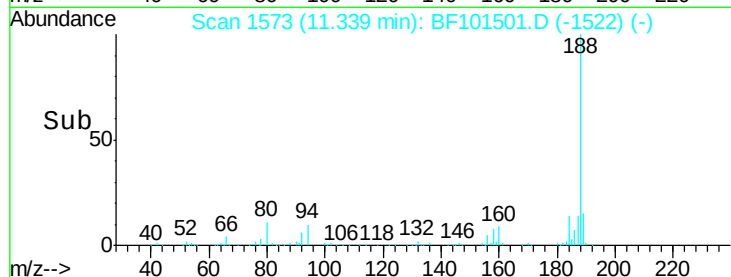
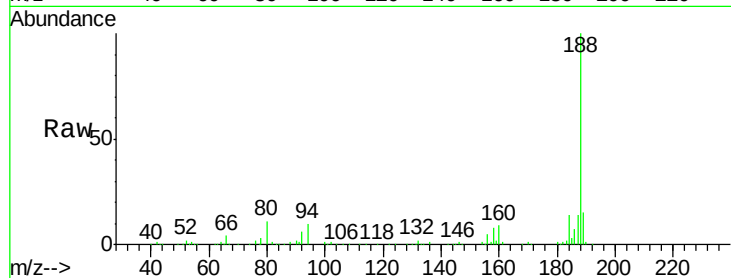




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101501.D
Acq: 19 Dec 2017 2:03

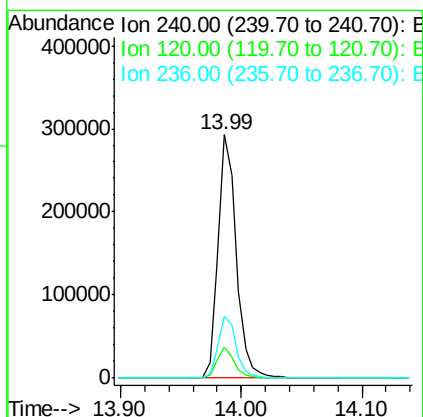
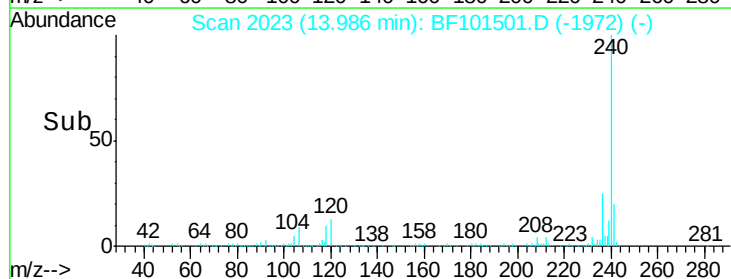
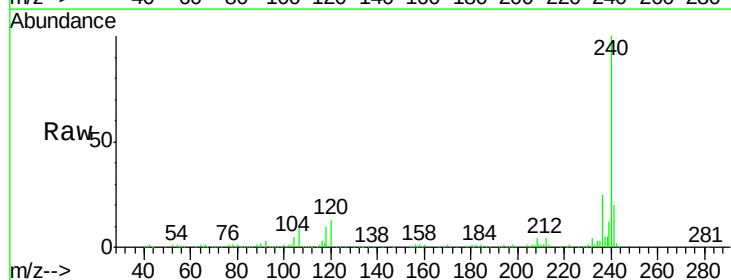
Instrument :
BNA_F
ClientSampleId :
121117-FOPI-E-D-M

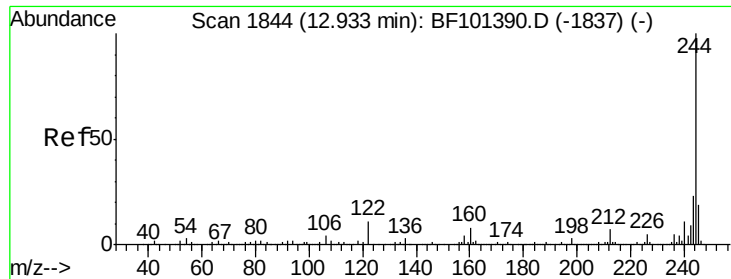
Tot Ion:188 Resp: 283125
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.1 9.2 13.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF101501.D
Acq: 19 Dec 2017 2:03

Tgt Ion:240 Resp: 301794
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 25.3 20.7 31.1





#78

Terphenyl-d14

Concen: 28.58 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF101501.D

Acq: 19 Dec 2017 2:03

Instrument :

BNA_F

ClientSampleId :

121117-FOPI-E-D-M

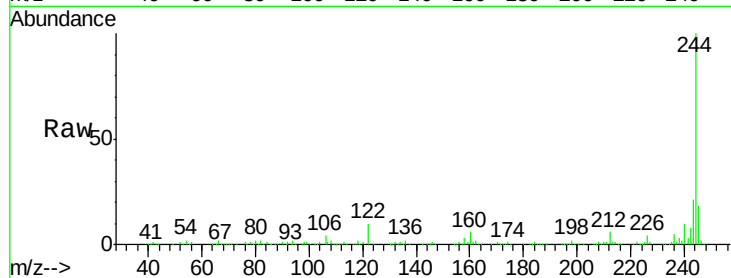
Tot Ion:244 Resp: 357735

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

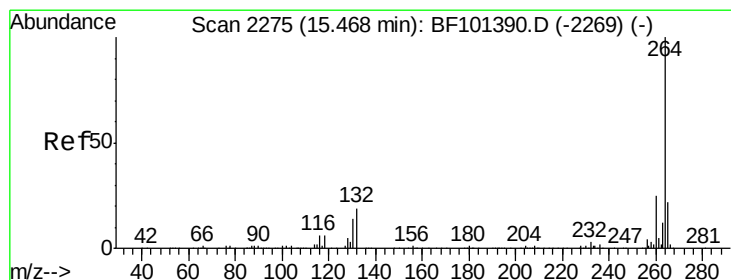
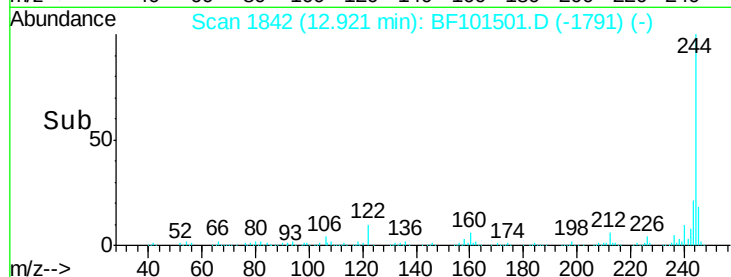
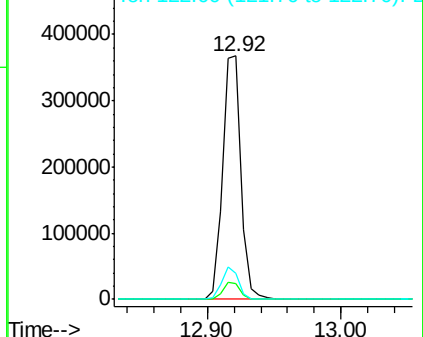
122 10.4 11.0 16.4#



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: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF101501.D

Acq: 19 Dec 2017 2:03

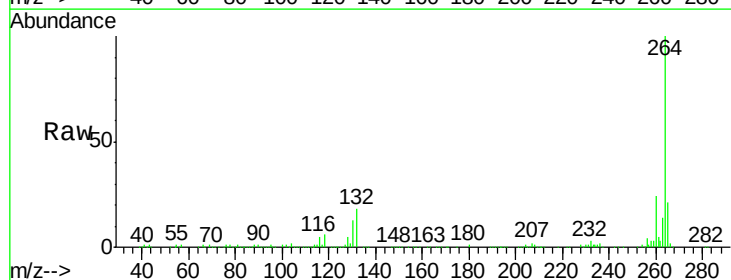
Tgt Ion:264 Resp: 304726

Ion Ratio Lower Upper

264 100

260 24.2 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

