

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101526.D
 Acq On : 19 Dec 2017 16:59
 Operator : SJ/JU
 Sample : I6927-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-4297-39456

Quant Time: Dec 20 06:56:16 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	6.80	152	152200	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	619749	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	272898	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	476578	20.00	ng	0.00
75) Chrysene-d12	13.99	240	282695	20.00	ng	0.00
86) Perylene-d12	15.46	264	328663	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	420084	41.11	ng	0.00
7) Phenol-d6	6.45	99	530489	41.72	ng	0.00
23) Nitrobenzene-d5	7.37	82	318736	28.63	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	106728	40.59	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	576071	32.75	ng	0.00
78) Terphenyl-d14	12.92	244	443751	37.84	ng	0.00

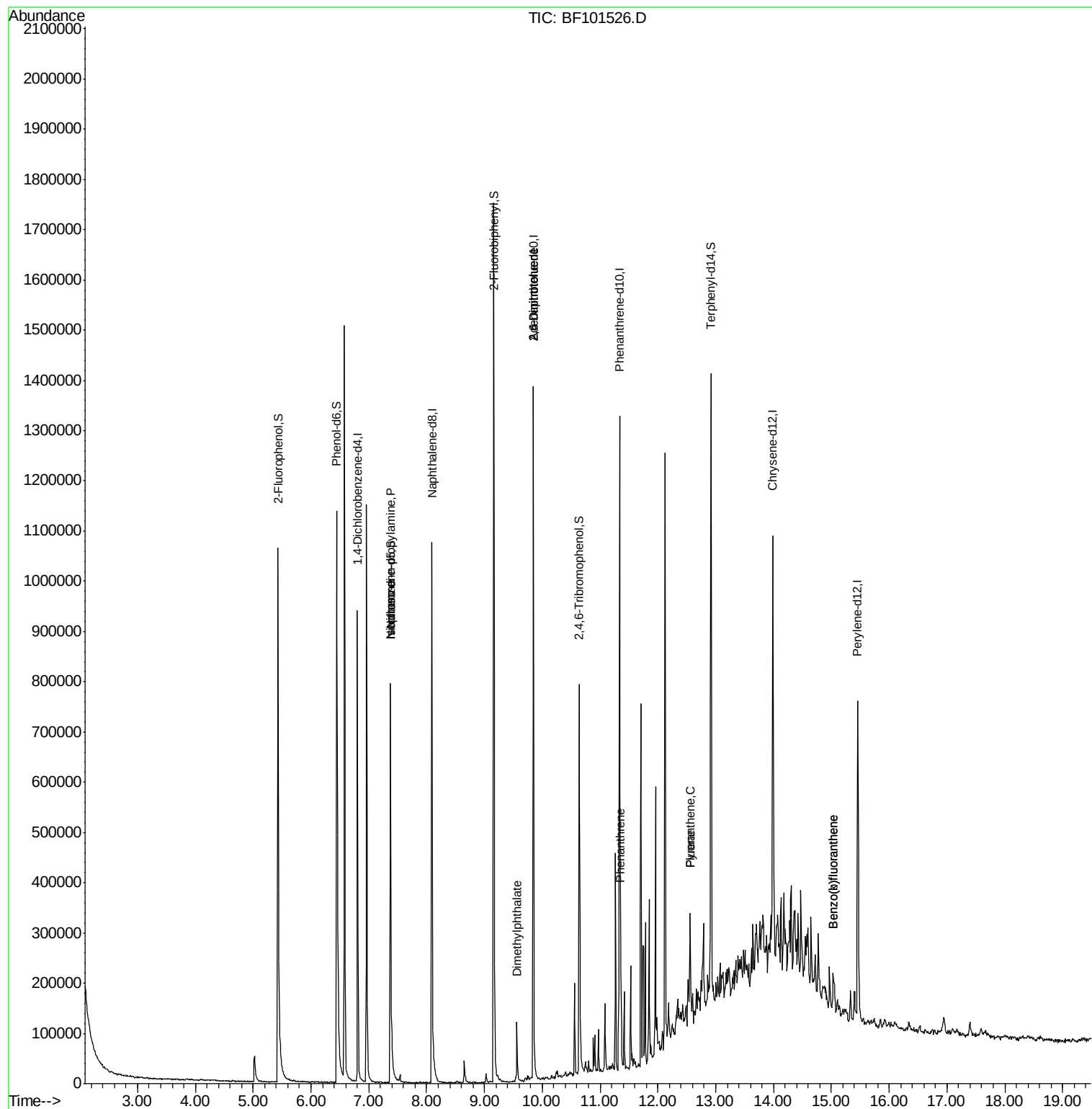
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	41234	4.938	ng	# 82
25) Isophorone	7.37	82	318736	14.271	ng	# 64
49) Dimethylphthalate	9.56	163	57473	2.618	ng	100
50) 2,6-Dinitrotoluene	9.85	165	34521	7.738	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	34521	6.868	ng	# 23
70) Phenanthrene	11.36	178	54163	2.044	ng	99
74) Fluoranthene	12.56	202	80575	2.896	ng	97
77) Pyrene	12.56	202	80575	3.798	ng	95
87) Benzo(b)fluoranthene	15.03	252	50653	2.529	ng	# 93
88) Benzo(k)fluoranthene	15.03	252	50653	2.601	ng	96

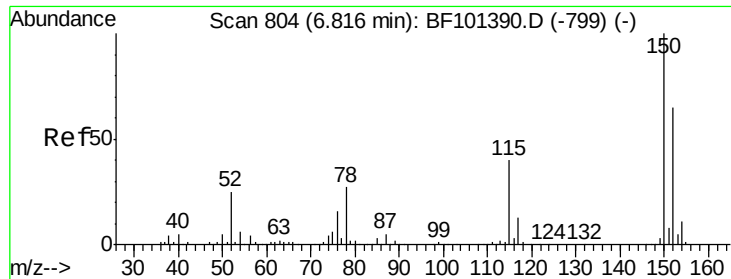
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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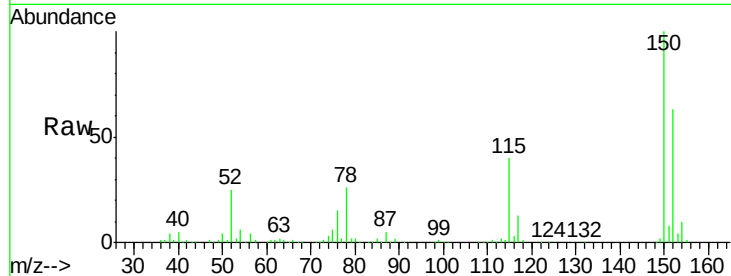


#1

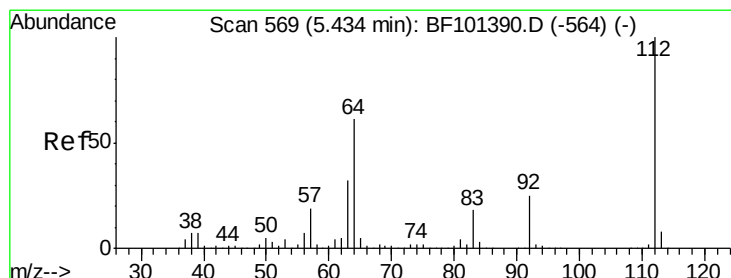
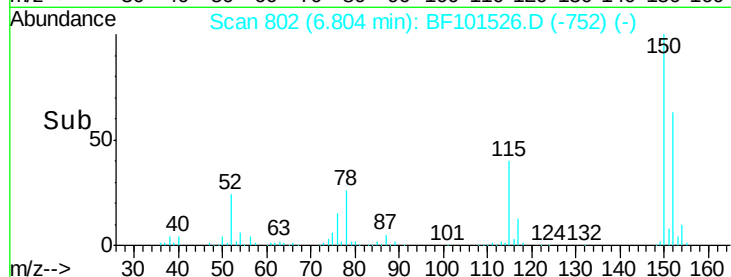
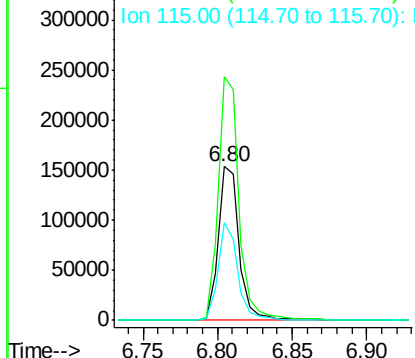
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Instrument :
BNA_F
ClientSampleId :
R-4297-39456

Tot Ion:152 Resp: 152200
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 63.3 50.1 75.1



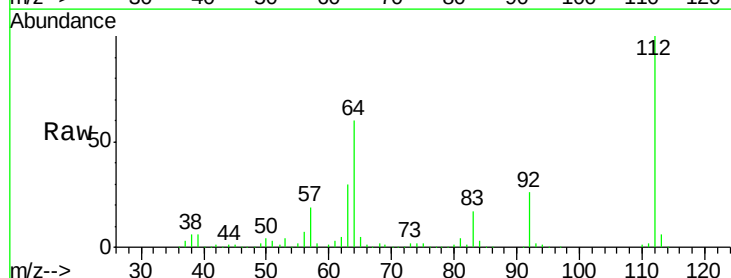
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



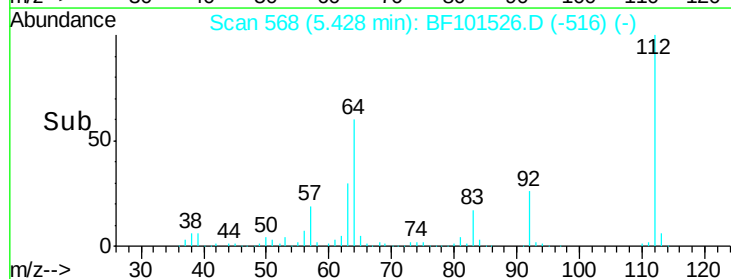
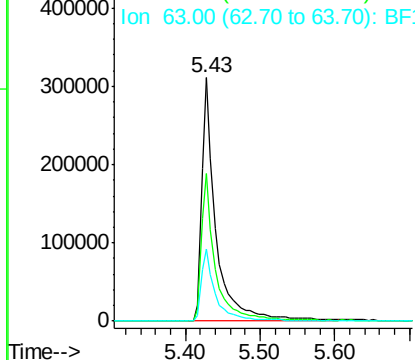
#5

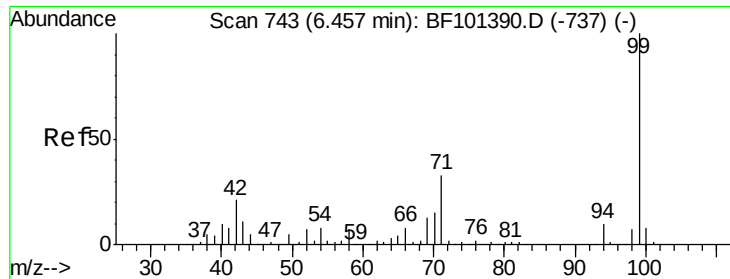
2-Fluorophenol
Concen: 41.114 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Tgt Ion:112 Resp: 420084
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 29.8 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: 41.717 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

Instrument :

BNA_F

ClientSampleId :

R-4297-39456

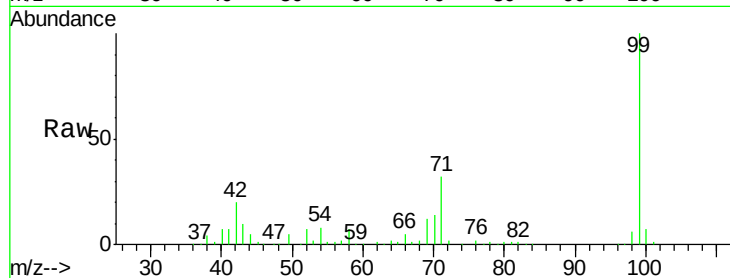
Tot Ion: 99 Resp: 530489

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

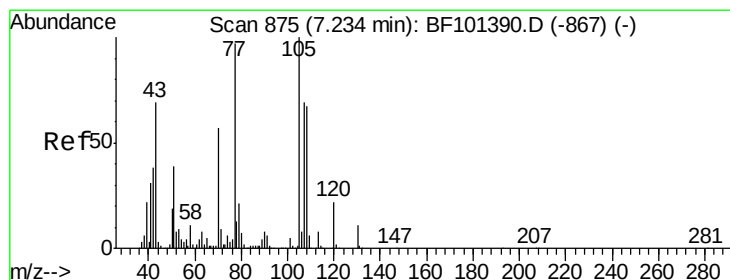
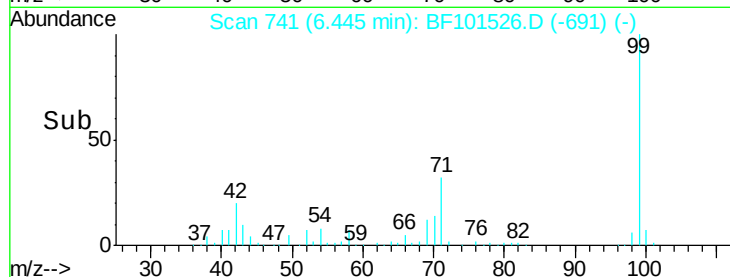
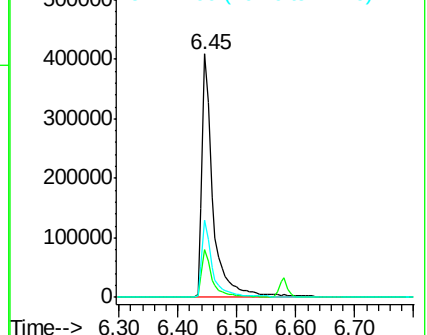
71 31.8 25.4 38.0



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: 4.938 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

Tgt Ion: 70 Resp: 41234

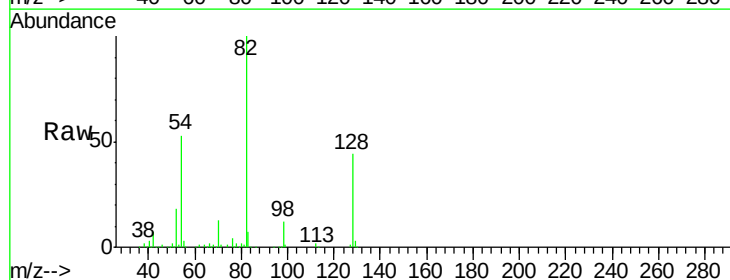
Ion Ratio Lower Upper

70 100

42 52.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

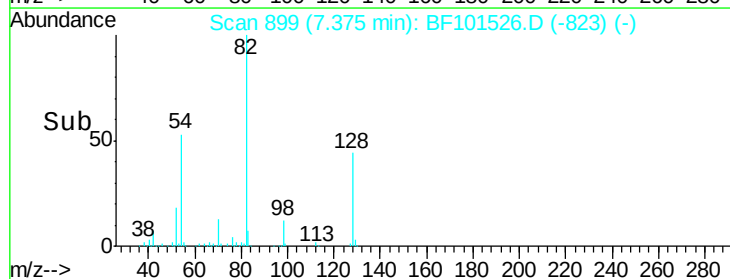
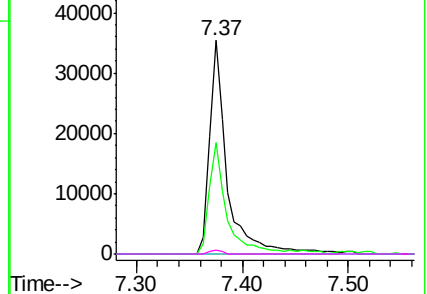


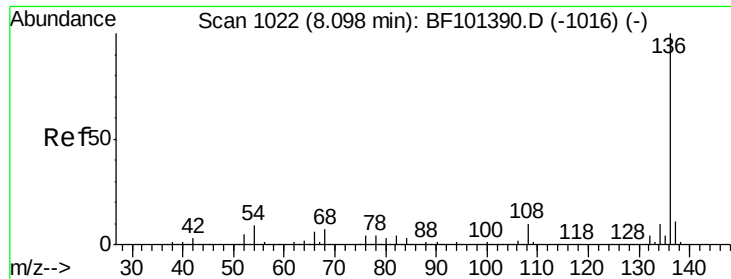
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

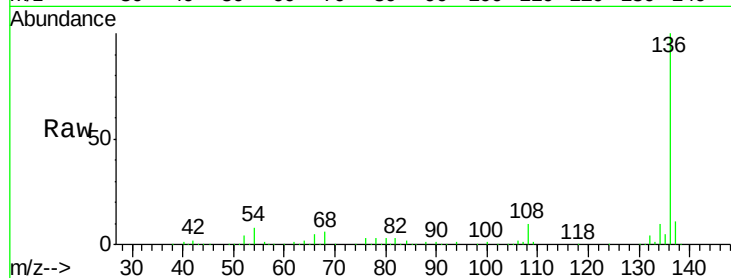




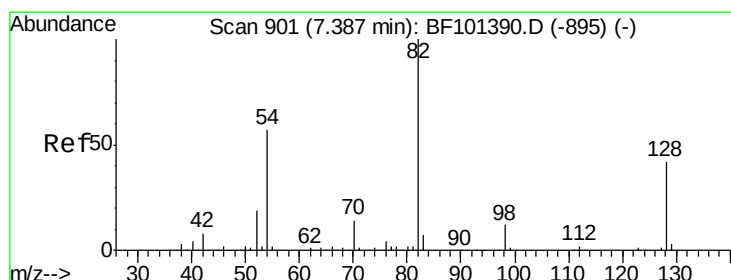
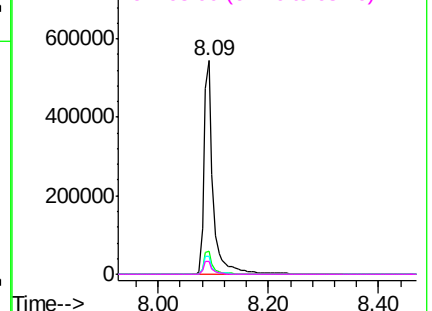
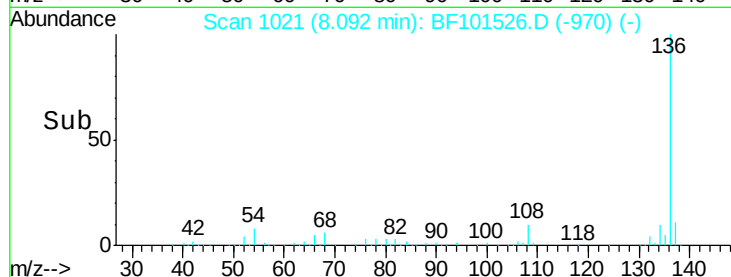
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Instrument :
BNA_F
ClientSampleId :
R-4297-39456

Tot Ion:136	Resp:	619749
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.2	6.6 9.8
68	5.9	5.0 7.4

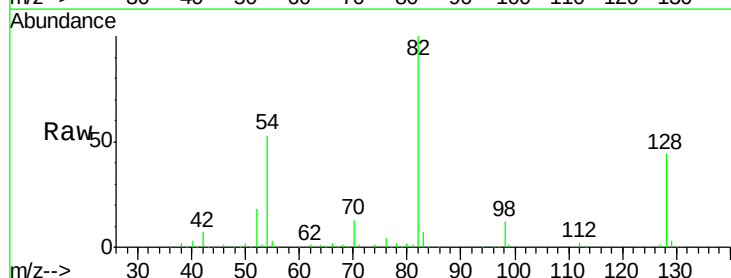


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

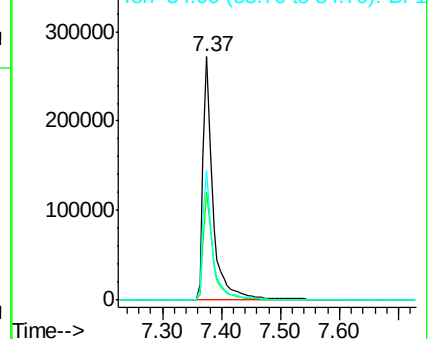
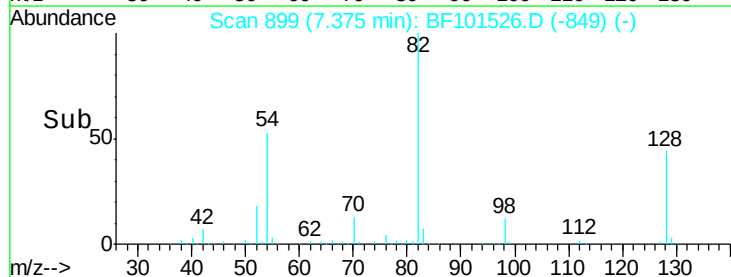


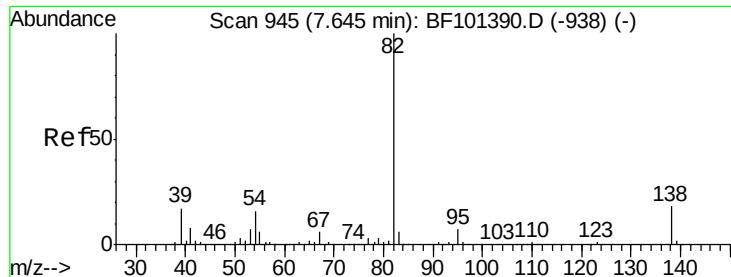
#23
Nitrobenzene-d5
Concen: 28.629 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Tgt Ion: 82	Resp:	318736
Ion Ratio	Lower	Upper
82	100	
128	44.1	36.1 54.1
54	53.5	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: 14.271 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

Instrument :

BNA_F

ClientSampleId :

R-4297-39456

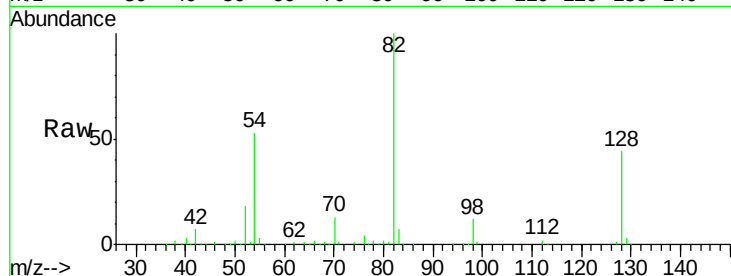
Tot Ion: 82 Resp: 318736

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

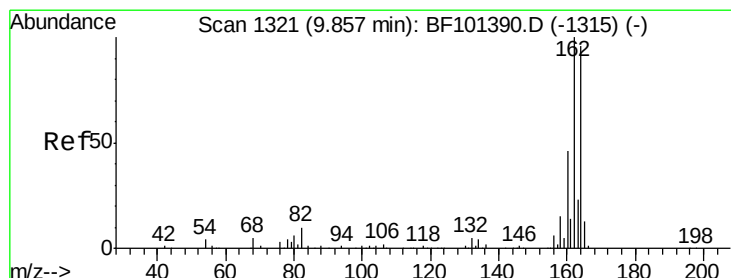
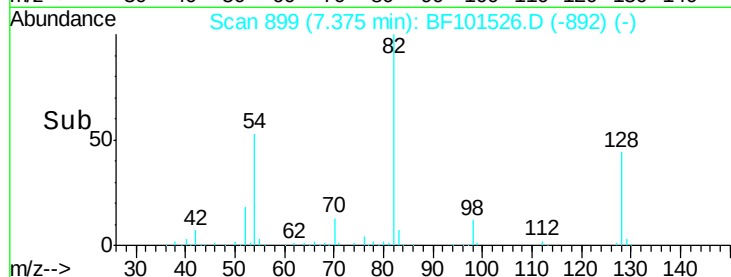
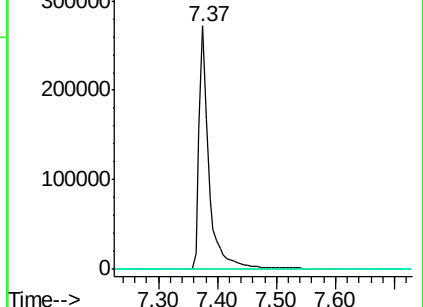
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

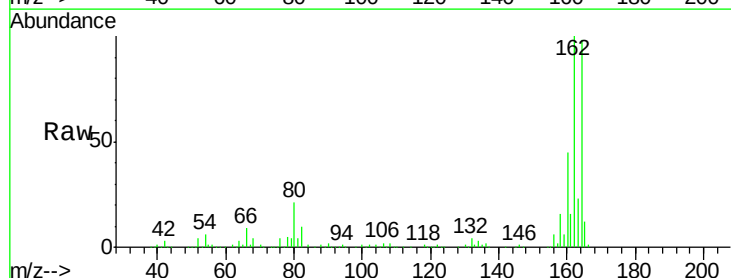
Tgt Ion: 164 Resp: 272898

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

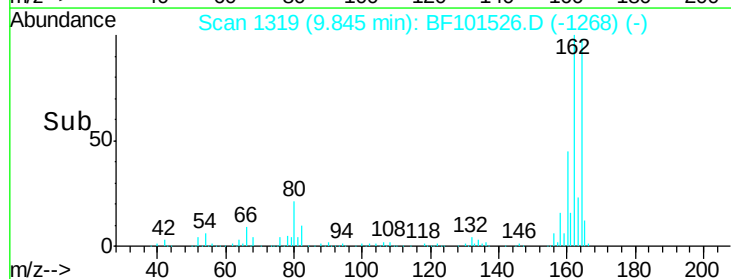
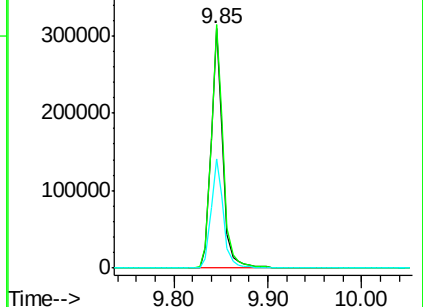
160 45.7 38.3 57.5

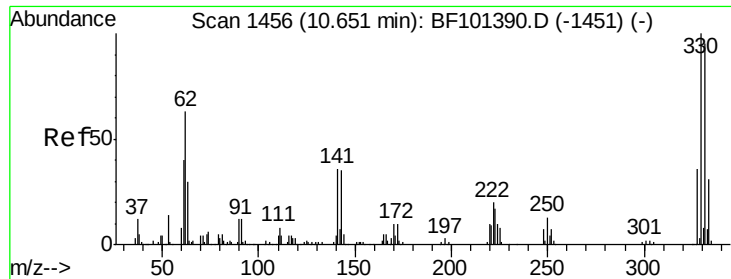


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 40.587 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

Instrument :

BNA_F

ClientSampleId :

R-4297-39456

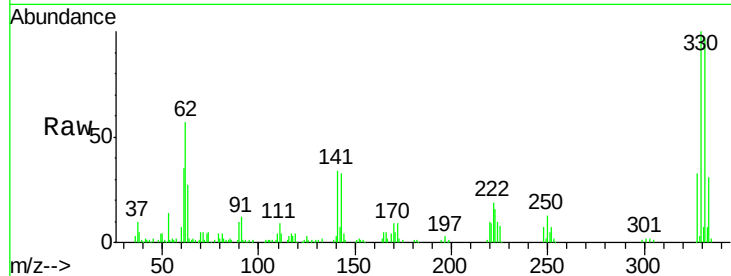
Tot Ion:330 Resp: 106728

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

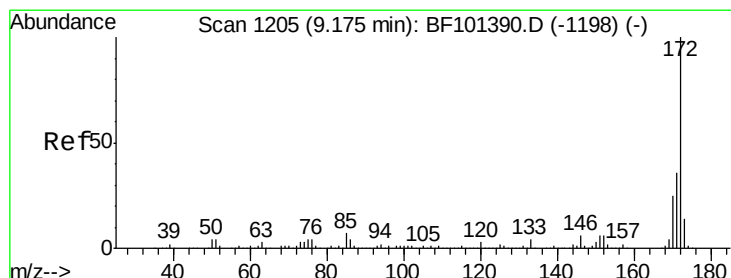
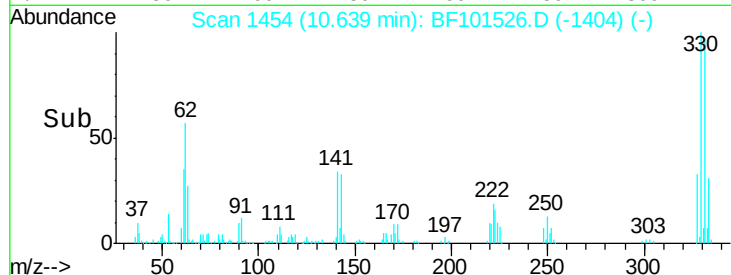
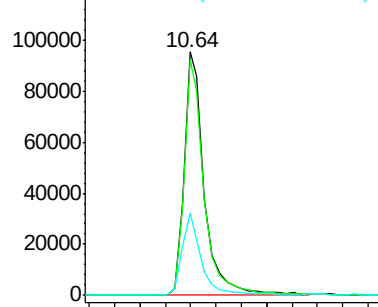
141 32.7 29.9 44.9



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: 32.746 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

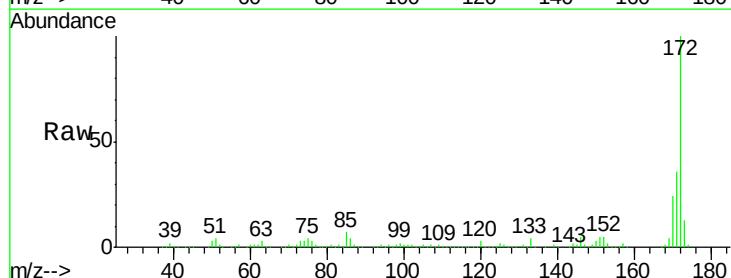
Tgt Ion:172 Resp: 576071

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

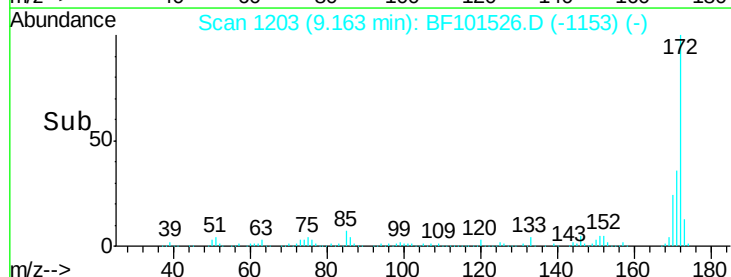
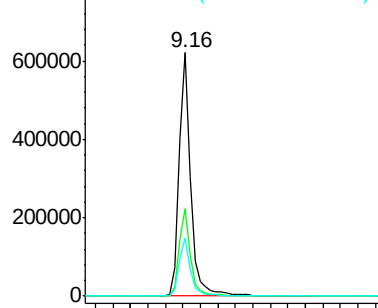
170 23.7 19.6 29.4

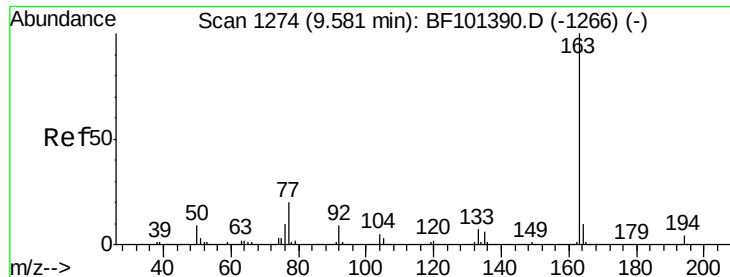


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

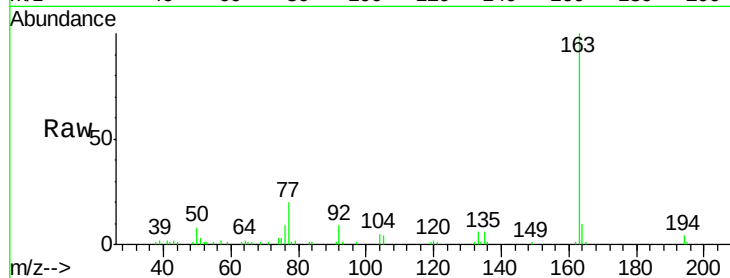




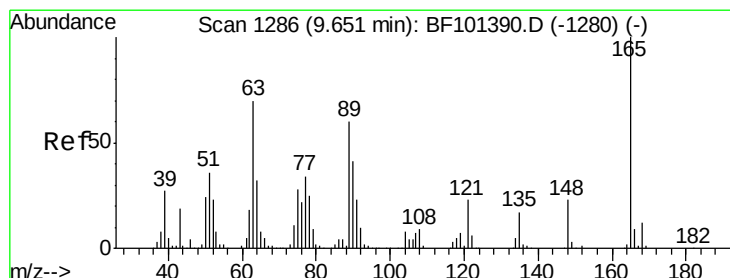
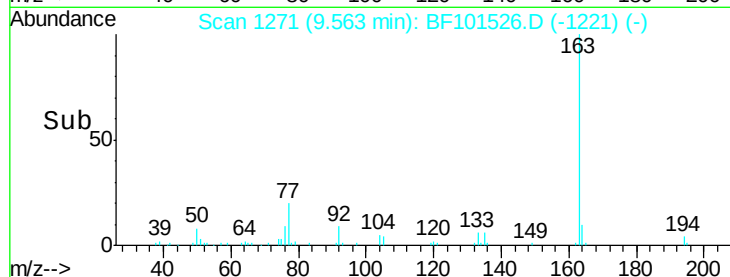
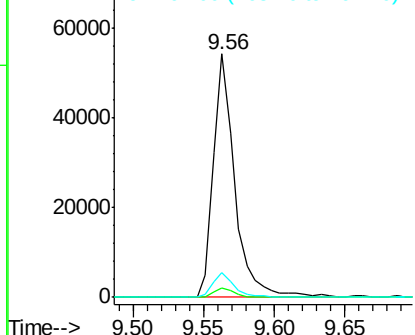
#49
Dimethylphthalate
Concen: 2.618 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Instrument :
BNA_F
ClientSampleId :
R-4297-39456

Tot Ion:163 Resp: 57473
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.1 8.2 12.2

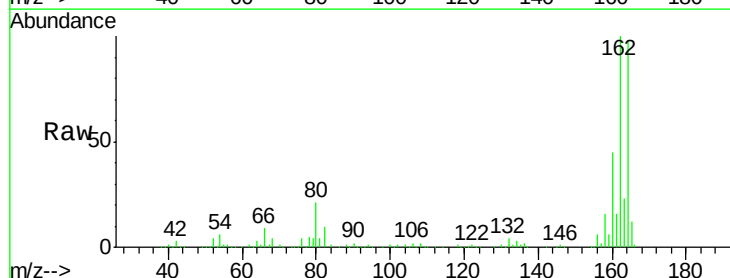


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

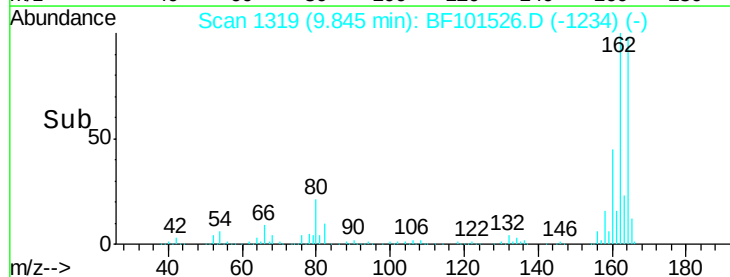
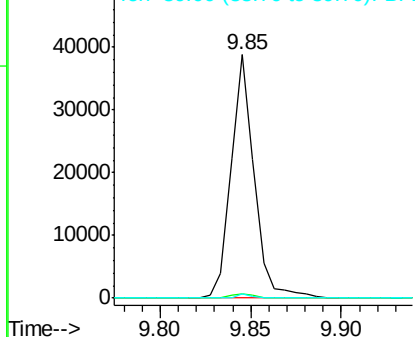


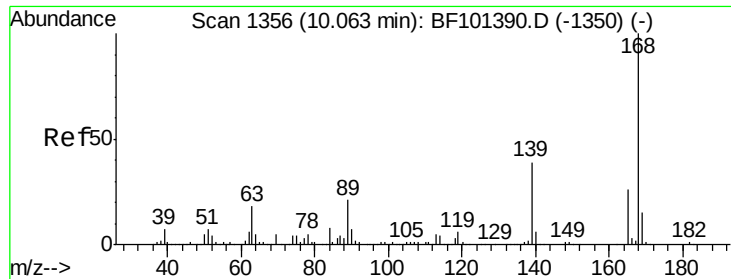
#50
2,6-Dinitrotoluene
Concen: 7.738 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Tgt Ion:165 Resp: 34521
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.5 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

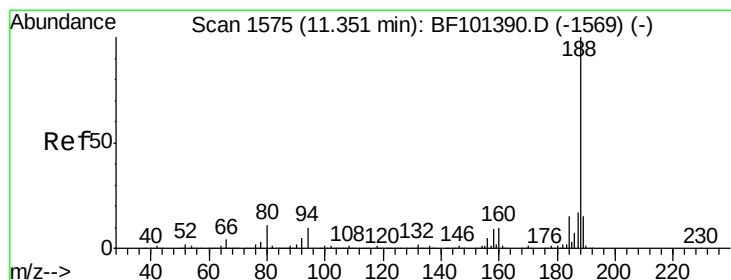
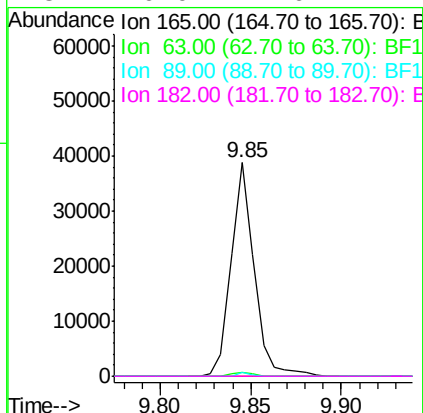
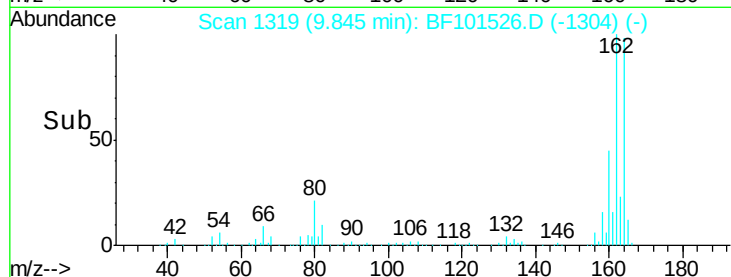
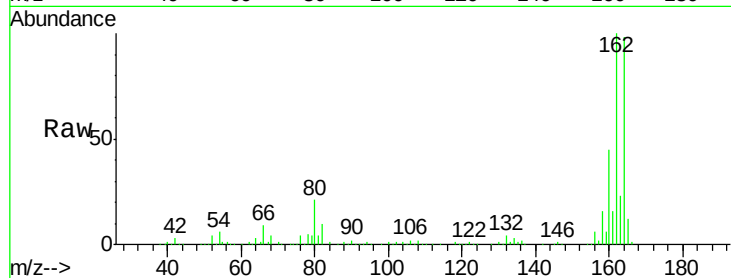




#56
2,4-Dinitrotoluene
Concen: 6.868 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.21 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

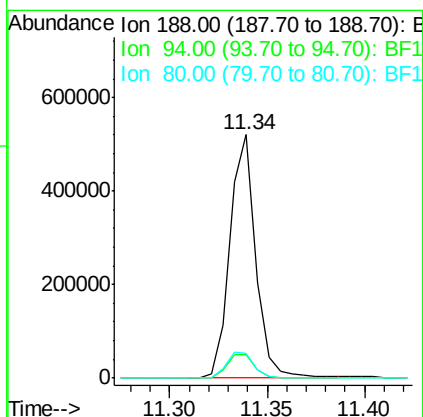
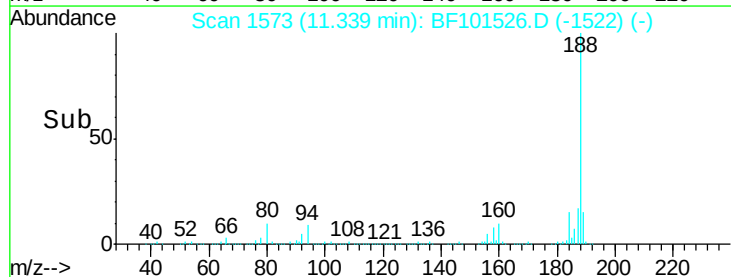
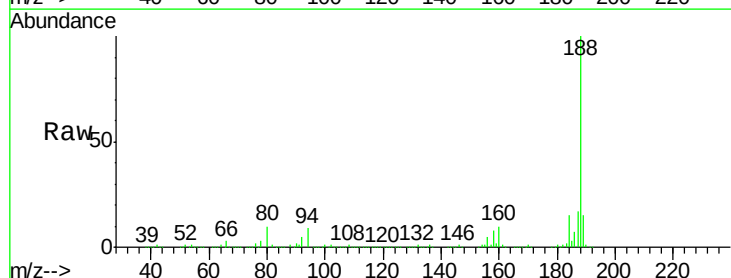
Instrument :
BNA_F
ClientSampleId :
R-4297-39456

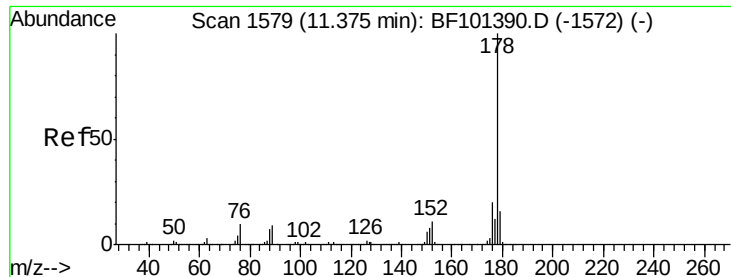
Tot Ion:165	Resp:	34521
Ion Ratio	Lower	Upper
165	100	
63	1.5	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Tgt Ion:188	Resp:	476578
Ion Ratio	Lower	Upper
188	100	
94	9.4	8.5 12.7
80	10.0	9.2 13.8





#70

Phenanthrene

Concen: 2.044 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.00 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

Instrument :

BNA_F

ClientSampleId :

R-4297-39456

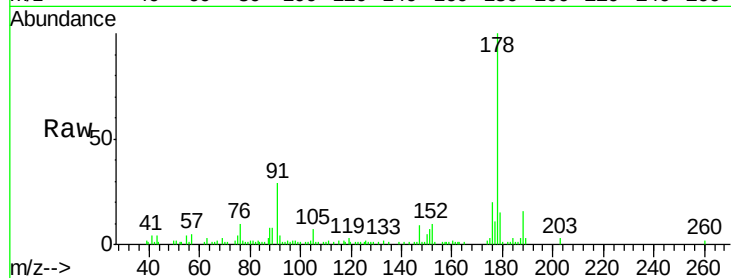
Tot Ion:178 Resp: 54163

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

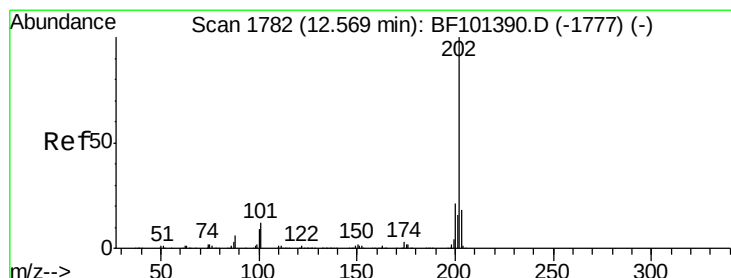
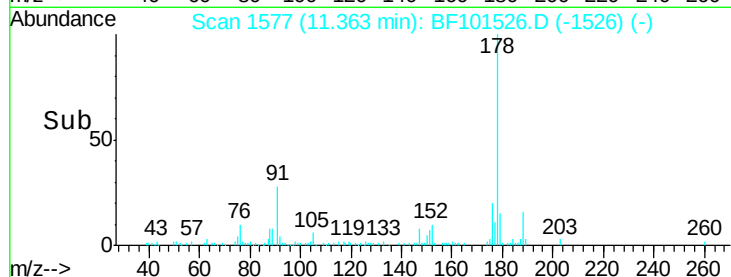
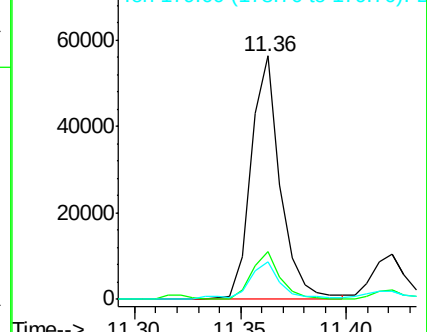
179 15.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.896 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

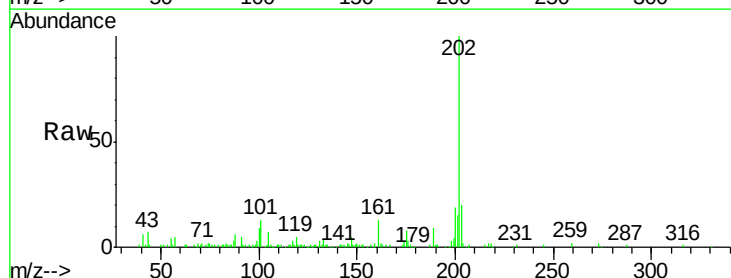
Tgt Ion:202 Resp: 80575

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

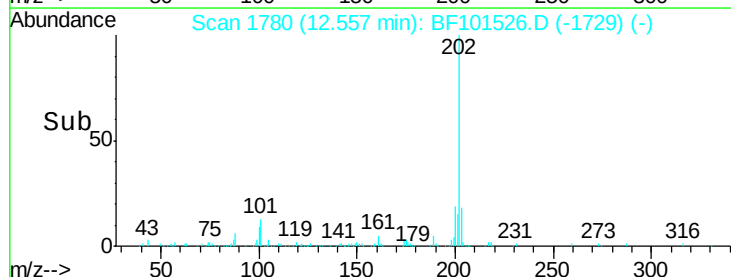
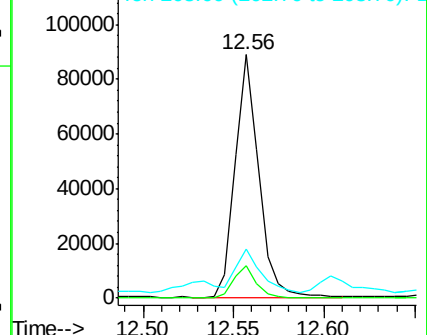
203 19.9 0.0 38.1

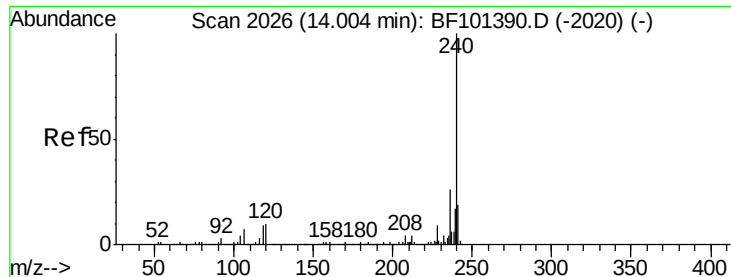


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

Instrument :

BNA_F

ClientSampleId :

R-4297-39456

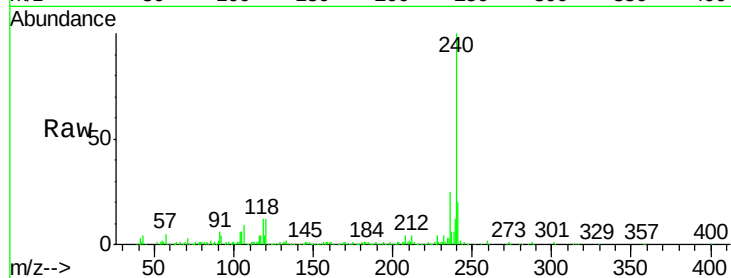
Tot Ion:240 Resp: 282695

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

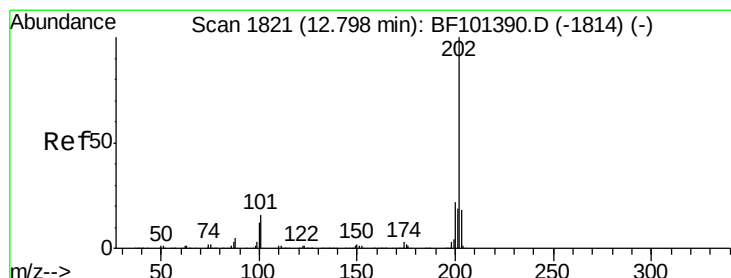
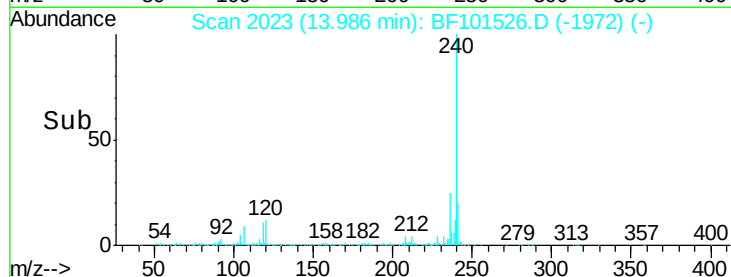
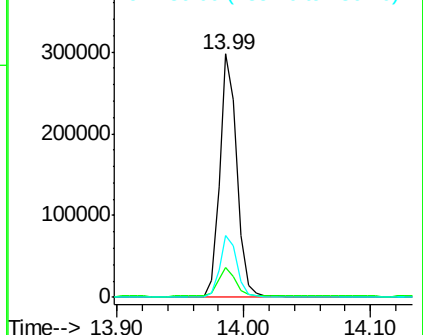
236 25.4 20.7 31.1



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



#77

Pyrene

Concen: 3.798 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.23 min

Lab File: BF101526.D

Acq: 19 Dec 2017 16:59

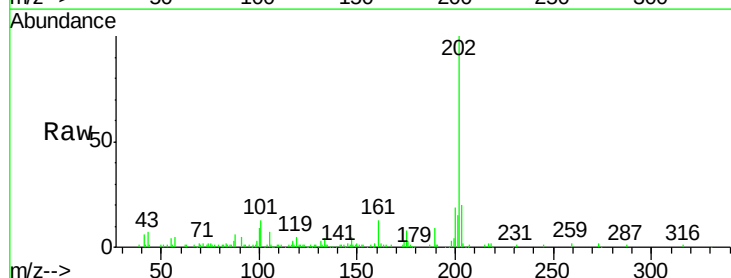
Tgt Ion:202 Resp: 80575

Ion Ratio Lower Upper

202 100

200 19.3 17.4 26.2

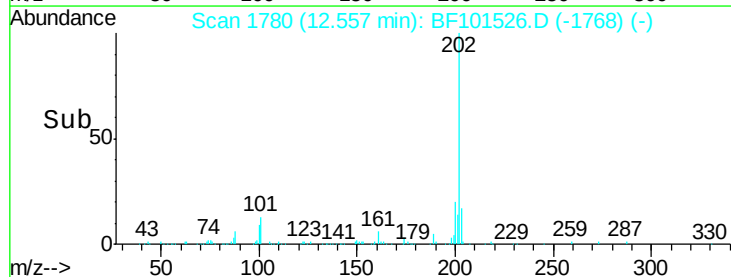
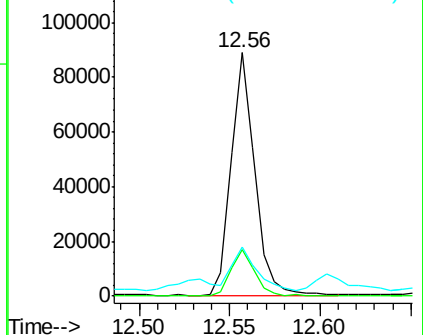
203 19.9 14.3 21.5

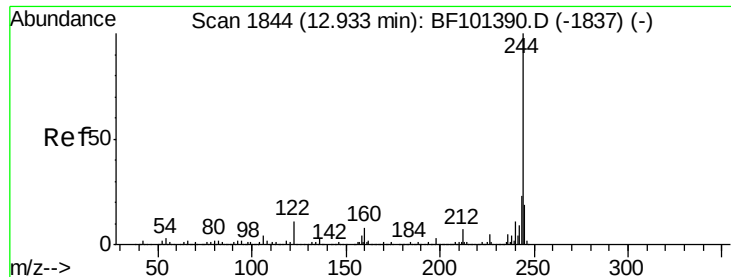


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

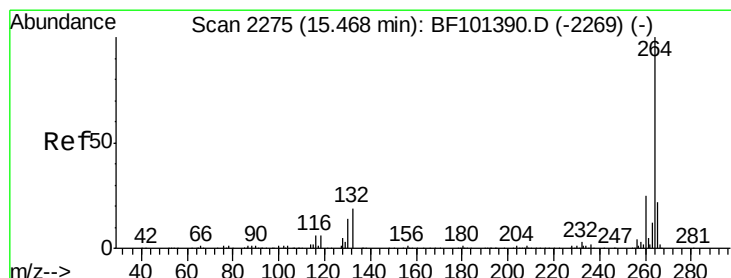
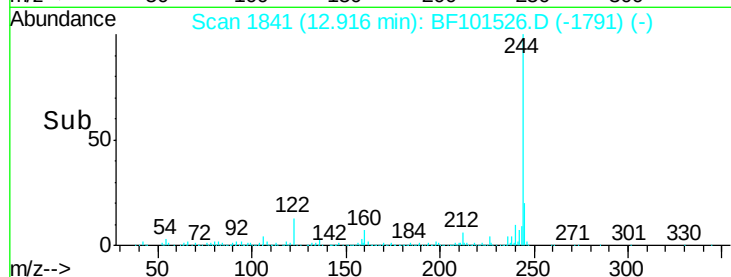
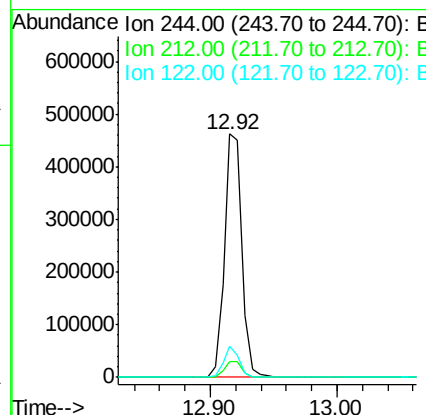
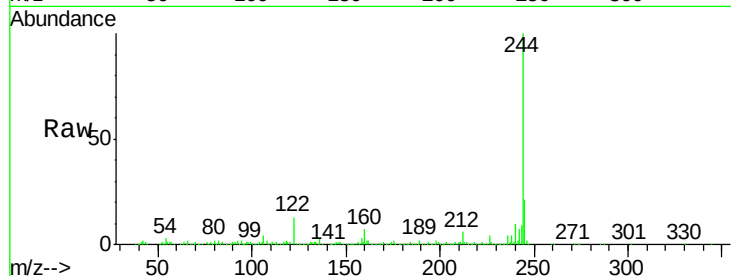




#78
 Terphenyl-d14
 Concen: 37.842 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF101526.D
 Acq: 19 Dec 2017 16:59

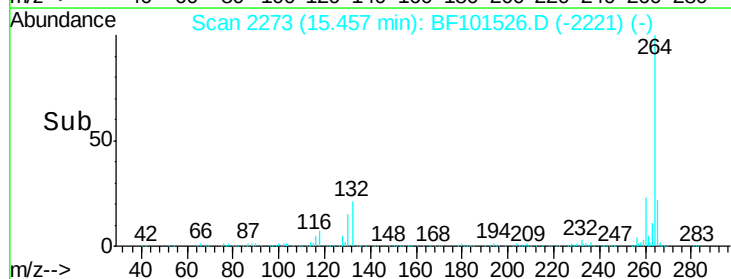
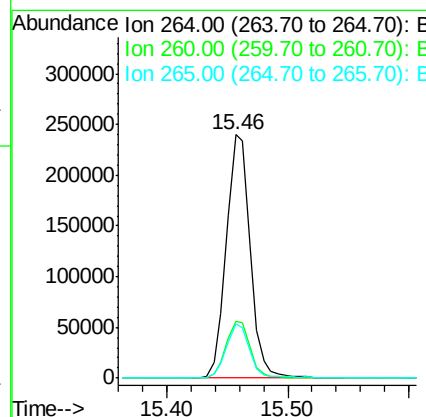
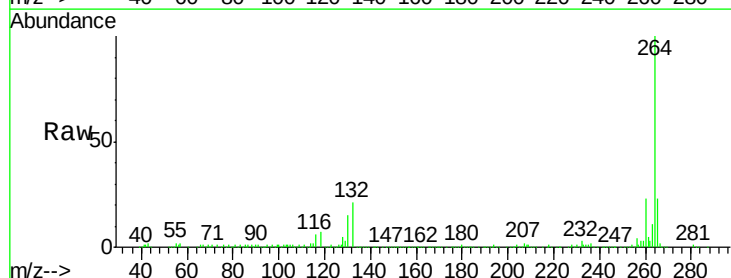
Instrument :
 BNA_F
 ClientSampleId :
 R-4297-39456

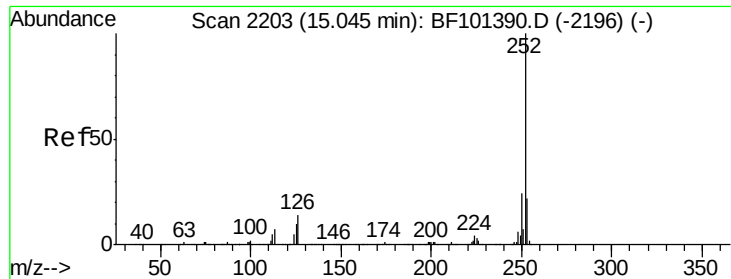
Tot Ion:244 Resp: 443751
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF101526.D
 Acq: 19 Dec 2017 16:59

Tgt Ion:264 Resp: 328663
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 22.5 17.5 26.3

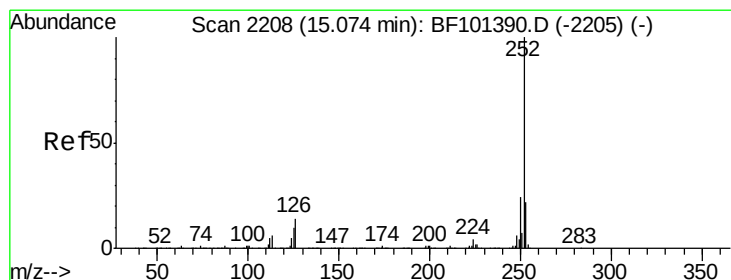
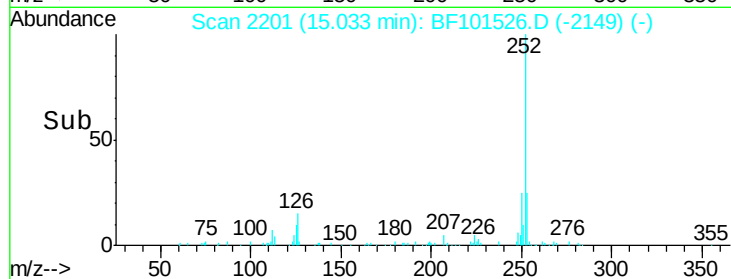
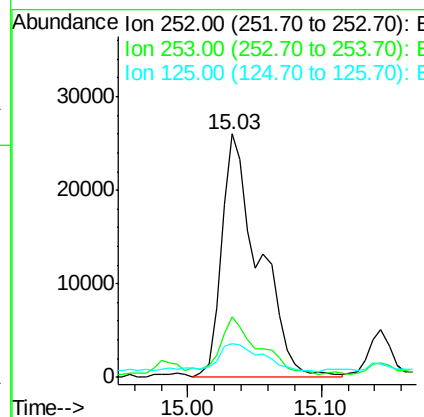
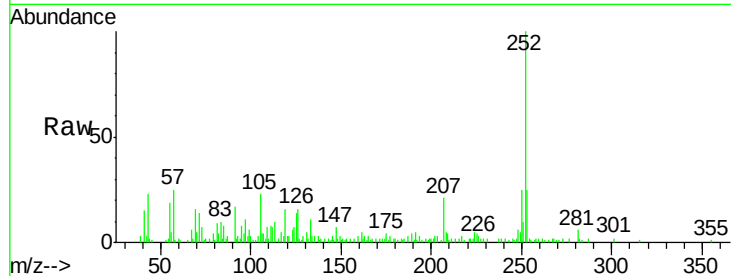




#87
Benzo(b)fluoranthene
Concen: 2.529 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Instrument :
BNA_F
ClientSampleId :
R-4297-39456

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	13.7	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 2.601 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF101526.D
Acq: 19 Dec 2017 16:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	13.7	10.2	15.2

