

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101532.D
 Acq On : 19 Dec 2017 19:42
 Operator : SJ/JU
 Sample : I6682-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-121817-A

Quant Time: Dec 20 06:58:59 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

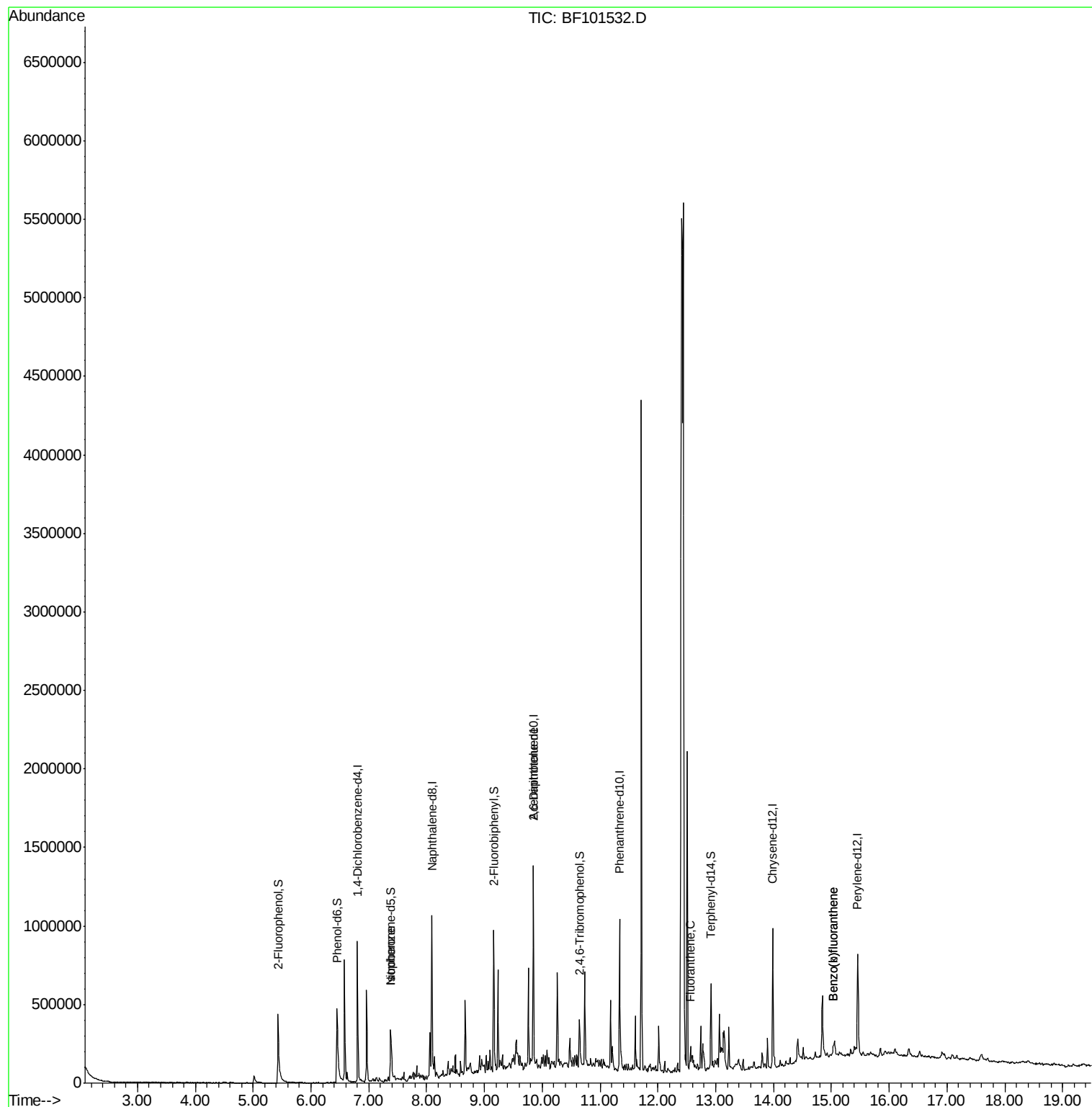
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	144664	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	549408	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	238554	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	369289	20.00	ng	0.00
75) Chrysene-d12	13.99	240	285895	20.00	ng	0.00
86) Perylene-d12	15.46	264	332012	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	218076	22.45	ng	0.00
7) Phenol-d6	6.45	99	280299	23.19	ng	0.00
23) Nitrobenzene-d5	7.37	82	150447	15.24	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	43959	19.12	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	289284	18.81	ng	0.00
78) Terphenyl-d14	12.92	244	182493	15.39	ng	0.00
Target Compounds						
25) Isophorone	7.37	82	146186	7.383	ng	# 65
50) 2,6-Dinitrotoluene	9.85	165	33100	8.487	ng	# 26
74) Fluoranthene	12.56	202	44394	2.059	ng	# 99
87) Benzo(b)fluoranthene	15.03	252	44354	2.192	ng	# 89
88) Benzo(k)fluoranthene	15.03	252	44354	2.254	ng	# 92

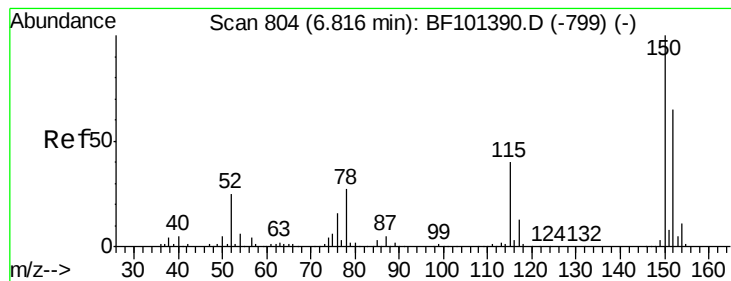
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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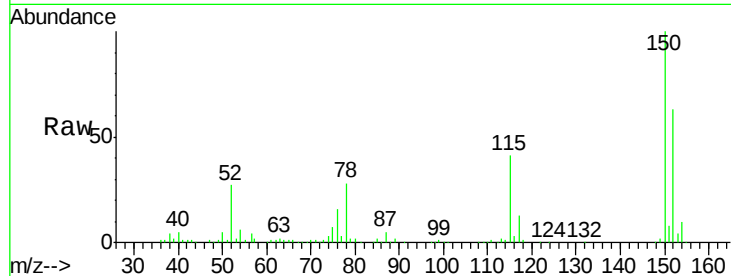


#1

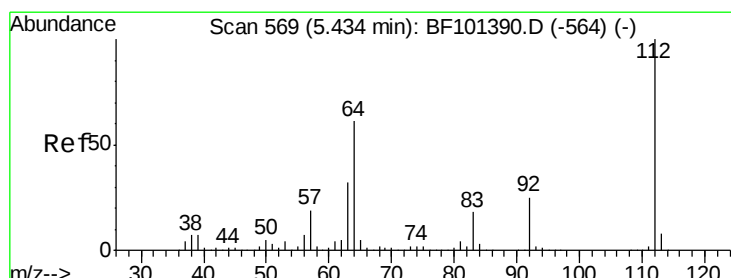
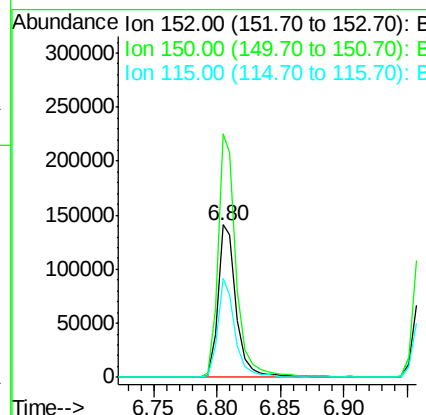
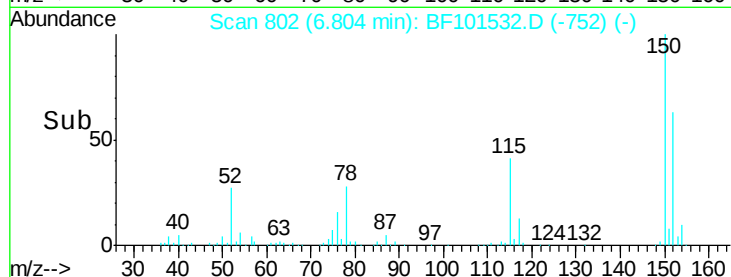
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

Instrument :
BNA_F
ClientSampleId :
NB-01-121817-A

Tot Ion:152 Resp: 144664
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 65.1 50.1 75.1



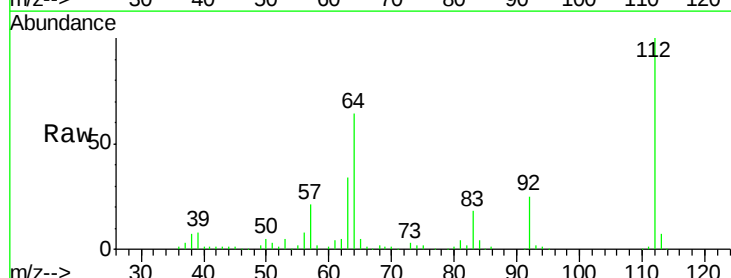
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



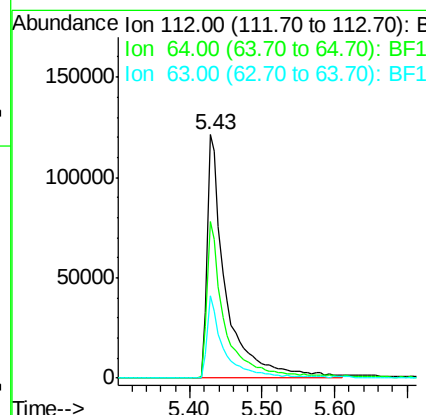
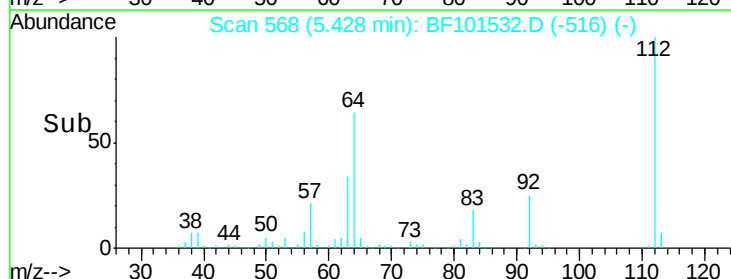
#5

2-Fluorophenol
Concen: 22.455 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

Tgt Ion:112 Resp: 218076
Ion Ratio Lower Upper
112 100
64 64.4 47.9 71.9
63 33.6 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: 23.191 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-A

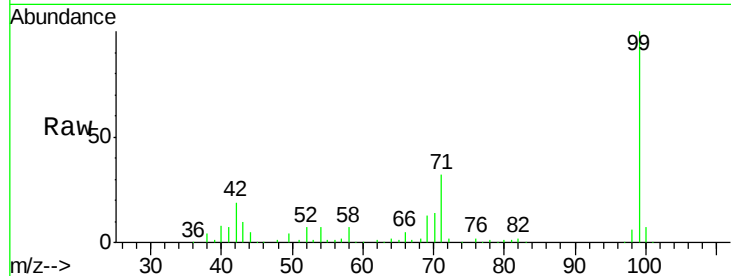
Tot Ion: 99 Resp: 280299

Ion Ratio Lower Upper

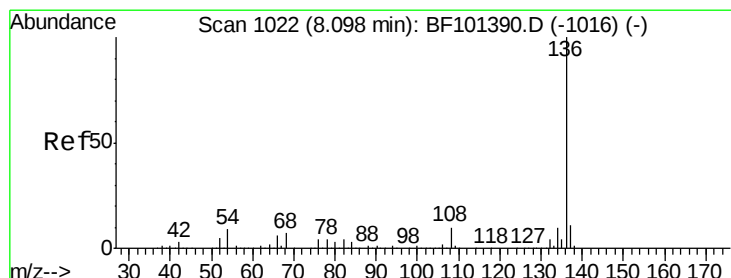
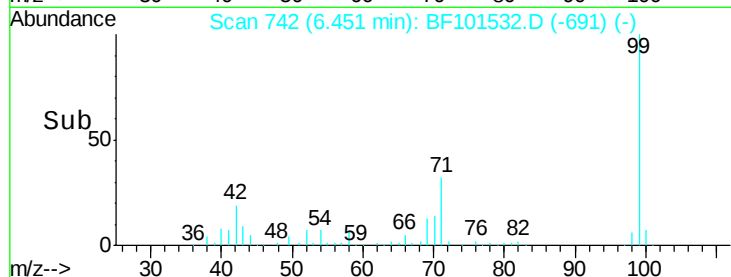
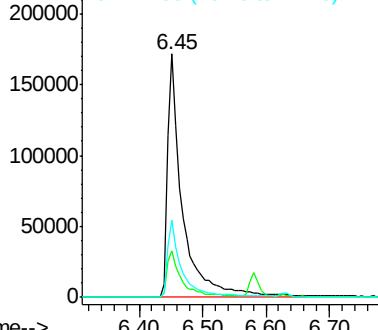
99 100

42 18.9 14.5 21.7

71 31.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

Tgt Ion: 136 Resp: 549408

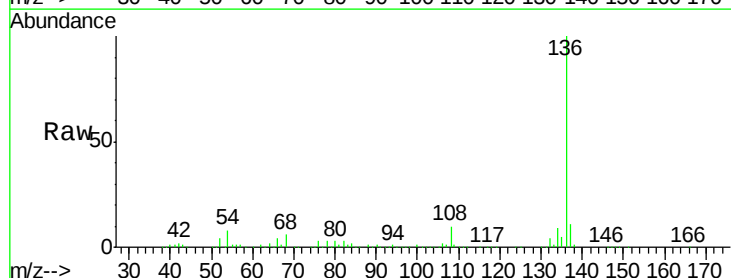
Ion Ratio Lower Upper

136 100

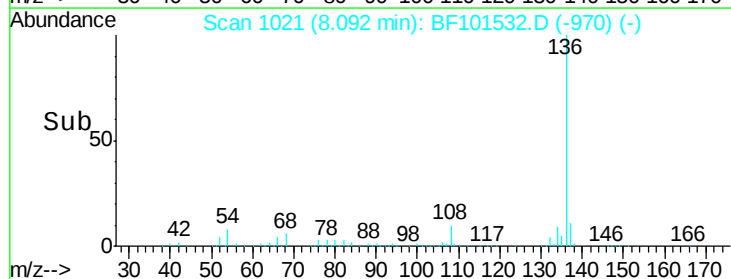
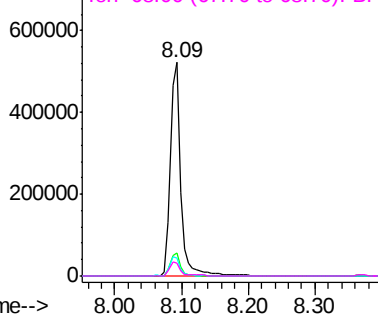
137 10.8 8.9 13.3

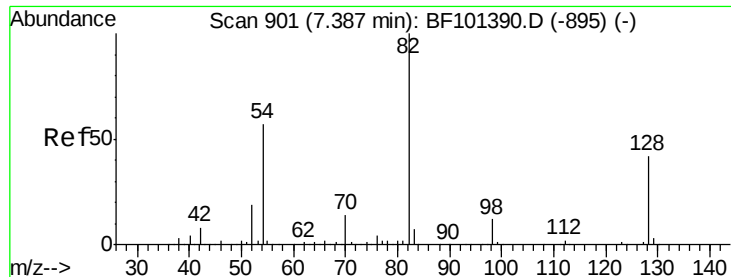
54 8.3 6.6 9.8

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

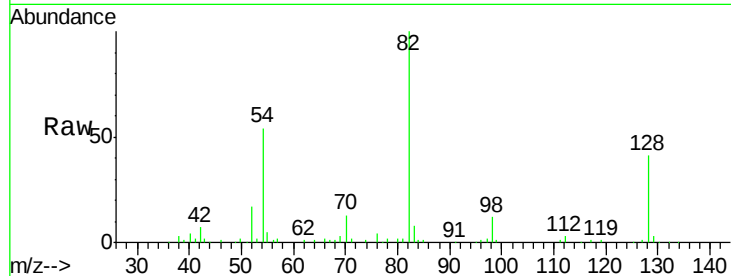




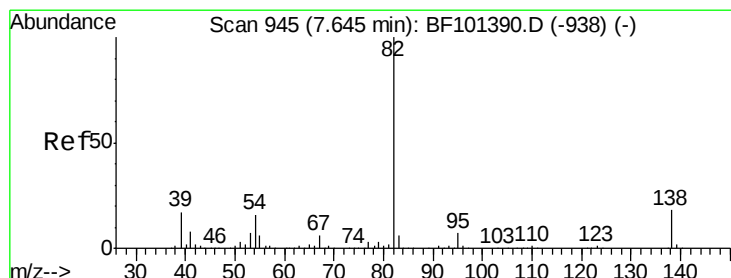
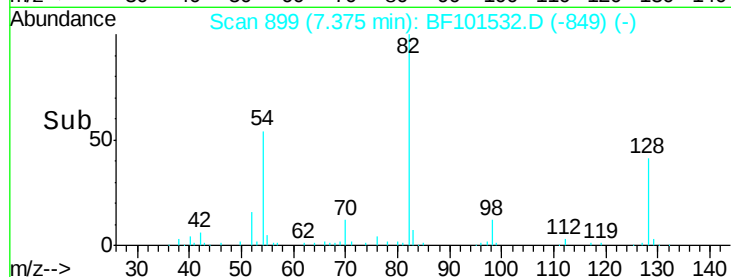
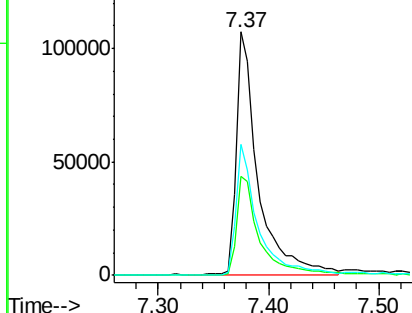
#23
Nitrobenzene-d5
Concen: 15.243 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

Instrument :
BNA_F
ClientSampleId :
NB-01-121817-A

Tot Ion	82	Resp	150447
Ion Ratio	Lower	Upper	
82	100		
128	40.9	36.1	54.1
54	54.0	41.4	62.2

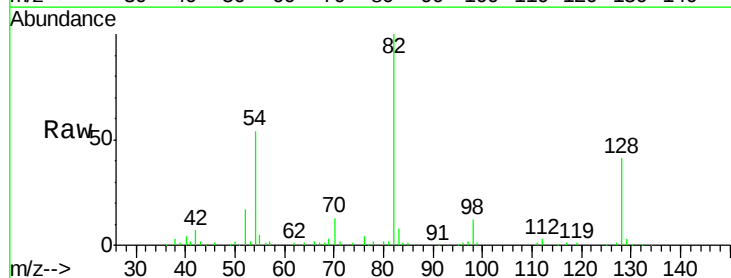


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

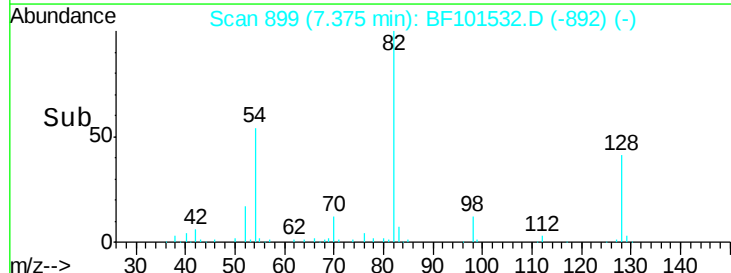
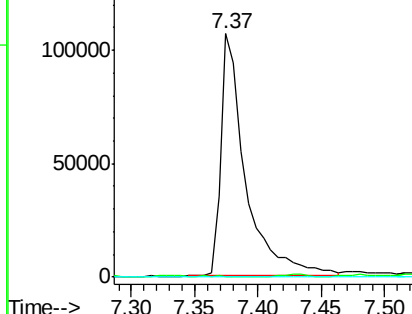


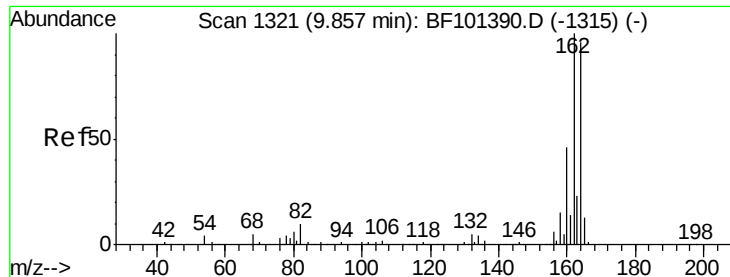
#25
Isophorone
Concen: 7.383 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

Tgt Ion	82	Resp	146186
Ion Ratio	Lower	Upper	
82	100		
95	0.4	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: BF101532.D

Acq: 19 Dec 2017 19:42

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-A

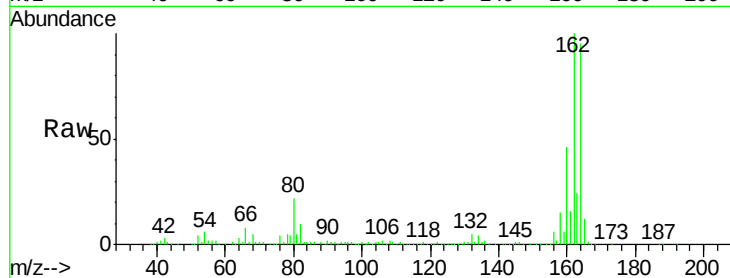
Tot Ion:164 Resp: 238554

Ion Ratio Lower Upper

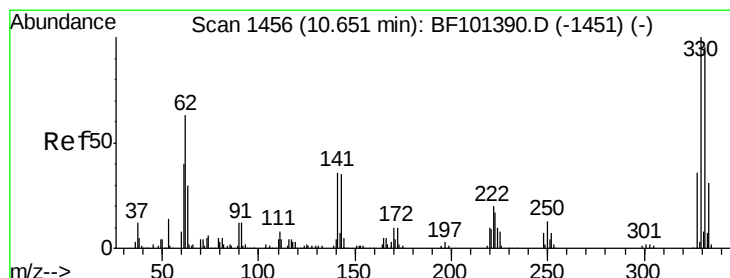
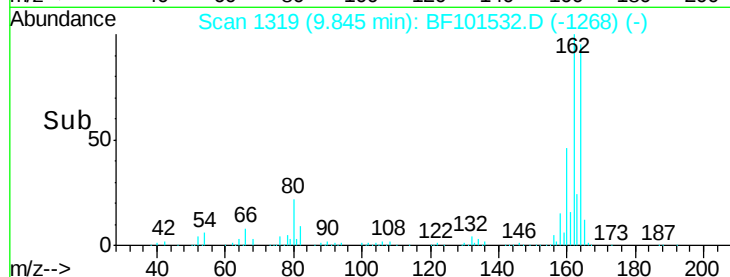
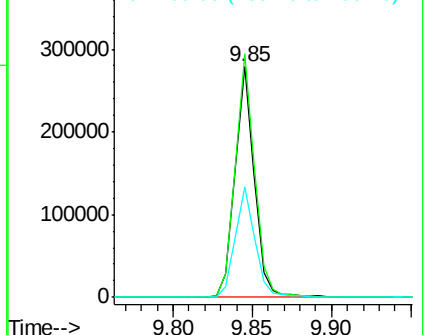
164 100

162 105.6 86.1 129.1

160 48.1 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: 19.124 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

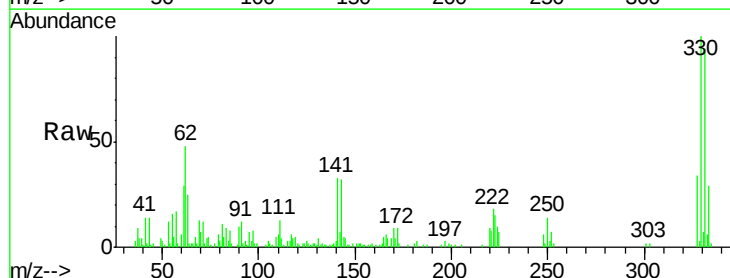
Tgt Ion:330 Resp: 43959

Ion Ratio Lower Upper

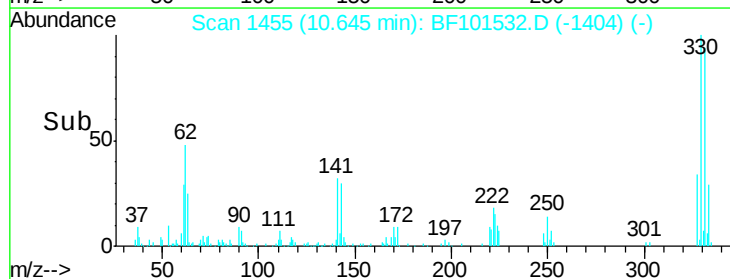
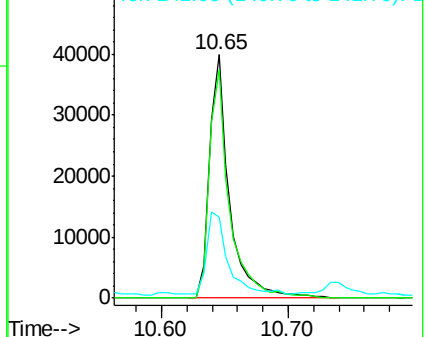
330 100

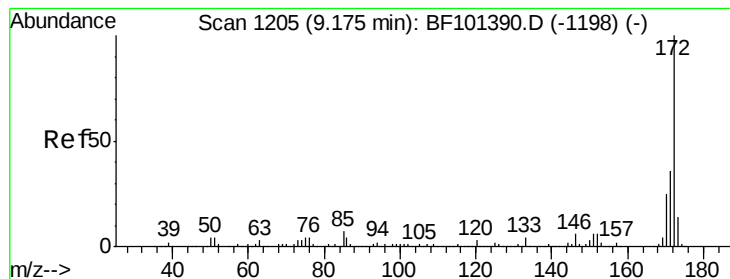
332 95.1 77.0 115.6

141 36.0 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: 18.811 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-A

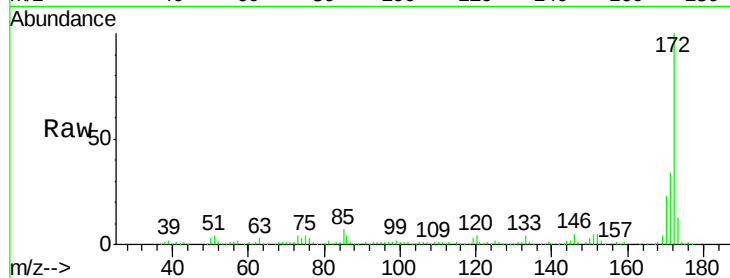
Tot Ion:172 Resp: 289284

Ion Ratio Lower Upper

172 100

171 34.2 29.7 44.5

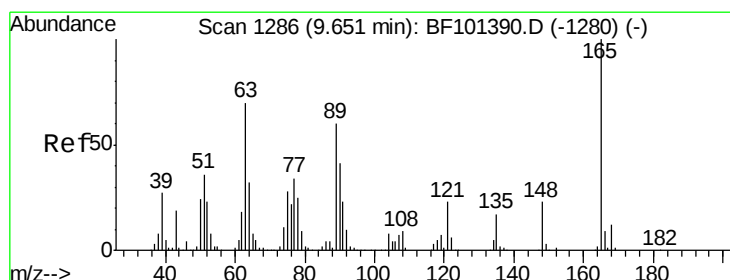
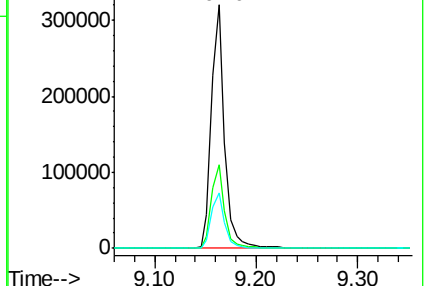
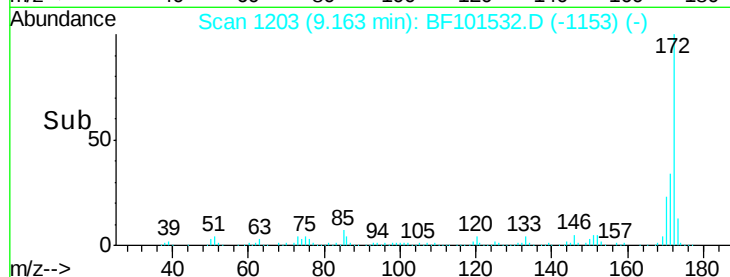
170 22.9 19.6 29.4



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: 8.487 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.20 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

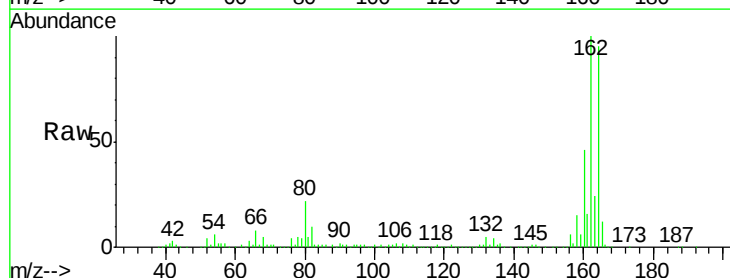
Tgt Ion:165 Resp: 33100

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

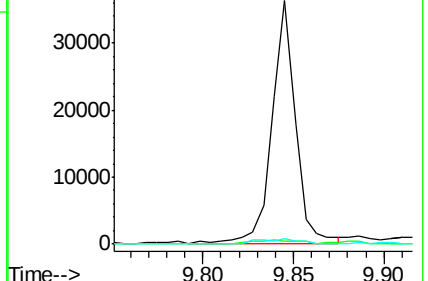
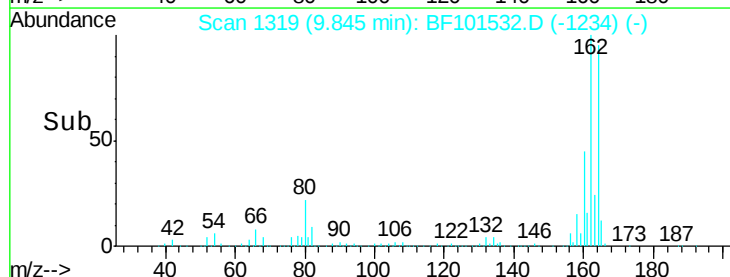
89 2.2 44.0 66.0#

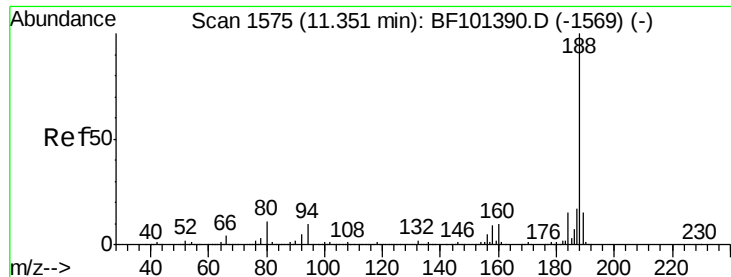


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

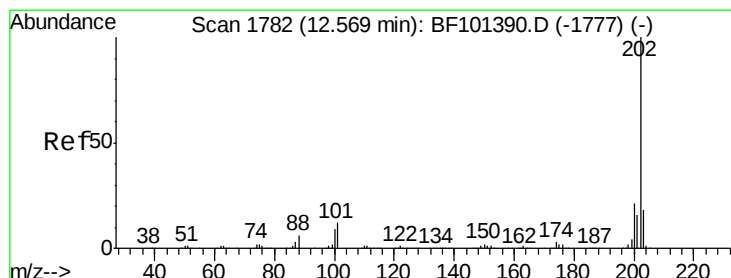
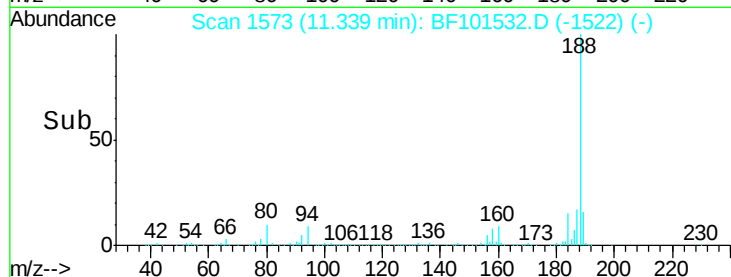
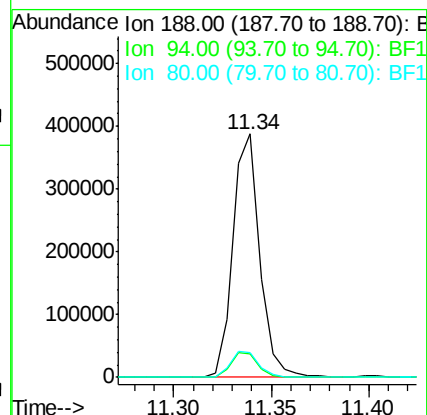
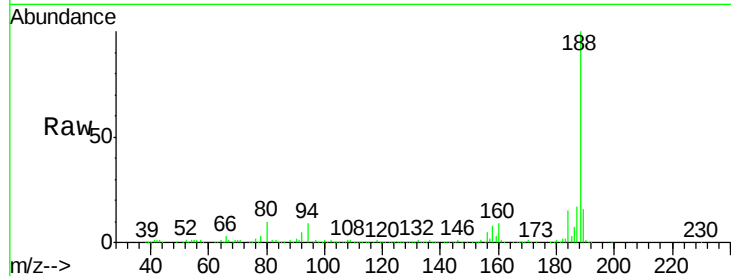




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

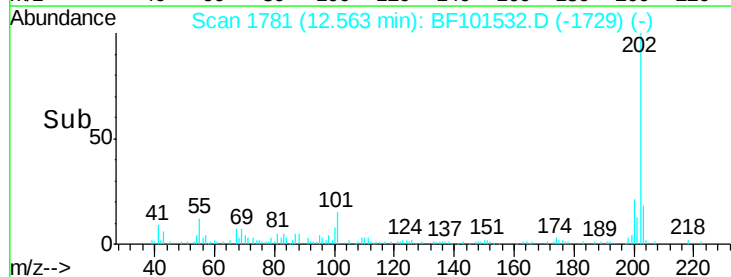
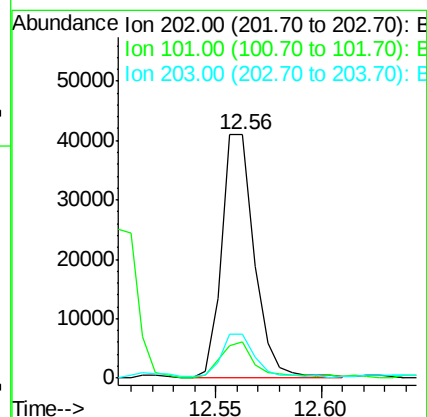
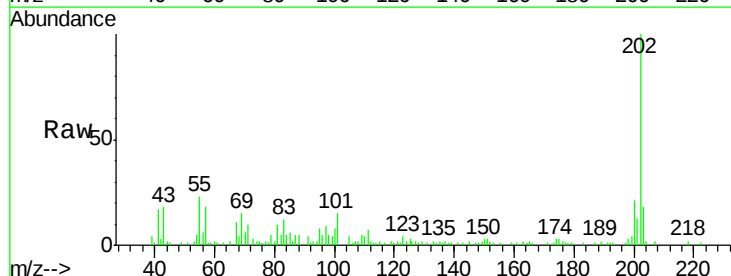
Instrument :
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NB-01-121817-A

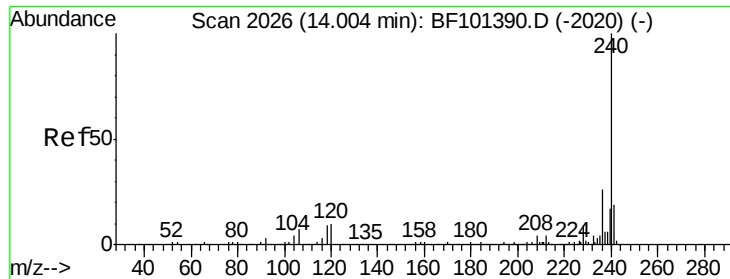
Tot Ion:188 Resp: 369289
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.2 9.2 13.8



#74
Fluoranthene
Concen: 2.059 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.01 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

Tgt Ion:202 Resp: 44394
Ion Ratio Lower Upper
202 100
101 14.6 0.0 34.1
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-A

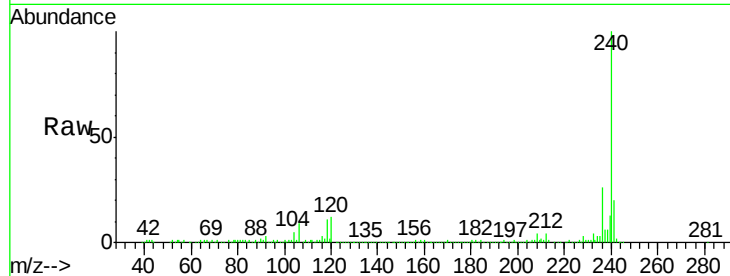
Tot Ion:240 Resp: 285895

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

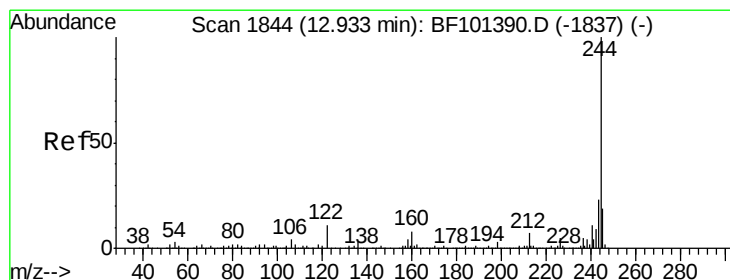
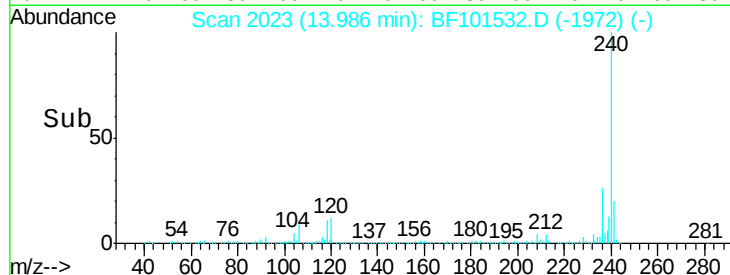
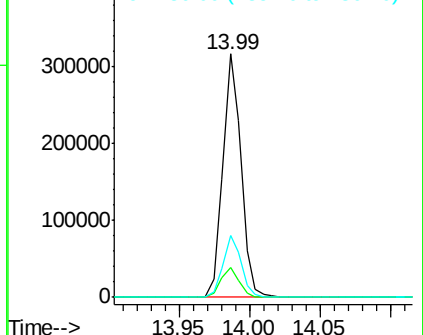
236 25.6 20.7 31.1



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: 15.388 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

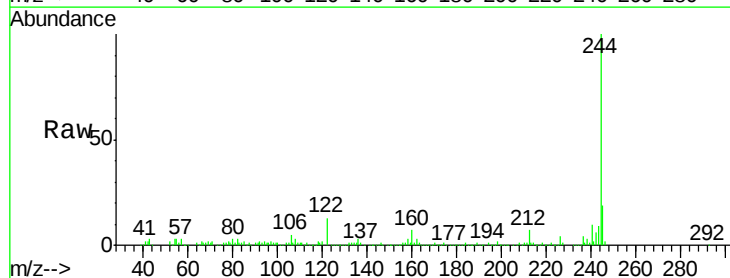
Tgt Ion:244 Resp: 182493

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

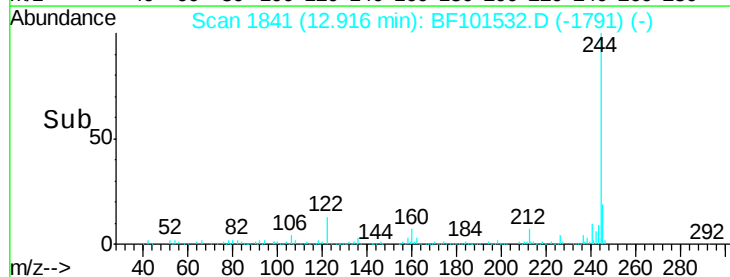
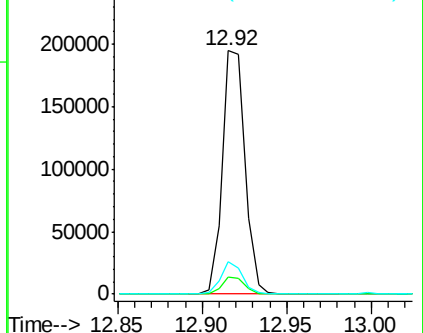
122 13.2 11.0 16.4

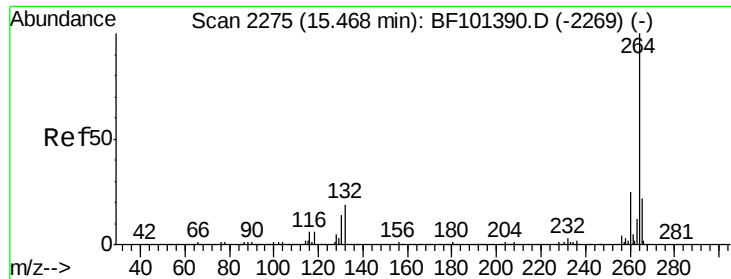


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

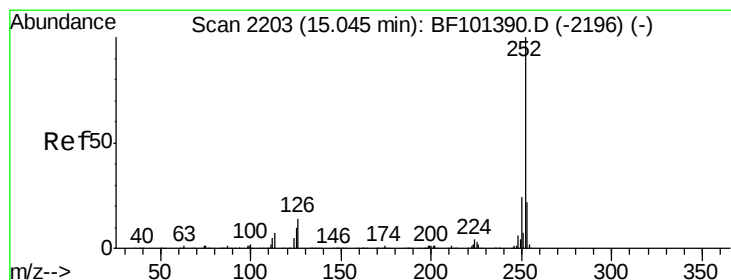
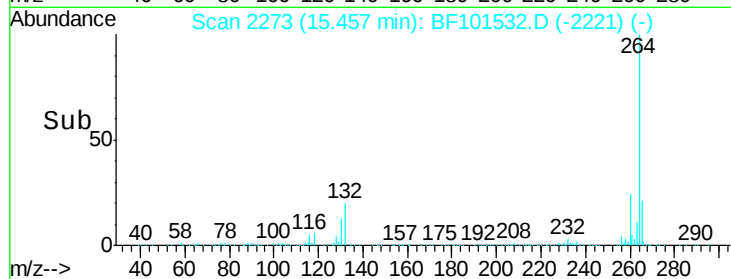
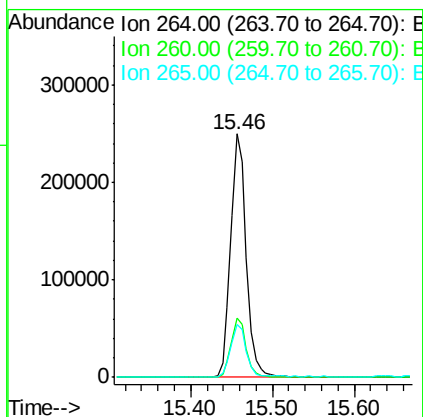
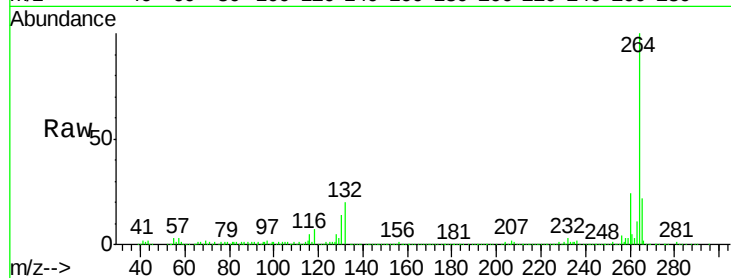




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

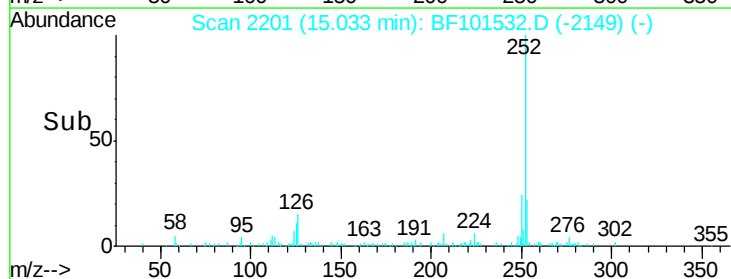
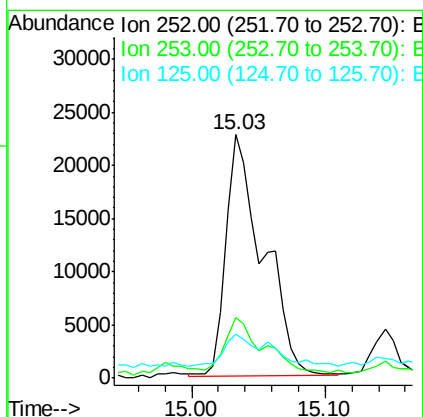
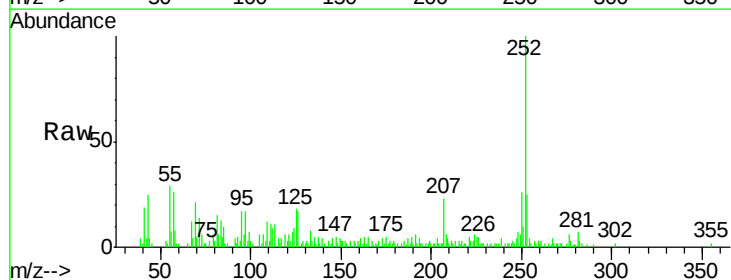
Instrument :
BNA_F
ClientSampleId :
NB-01-121817-A

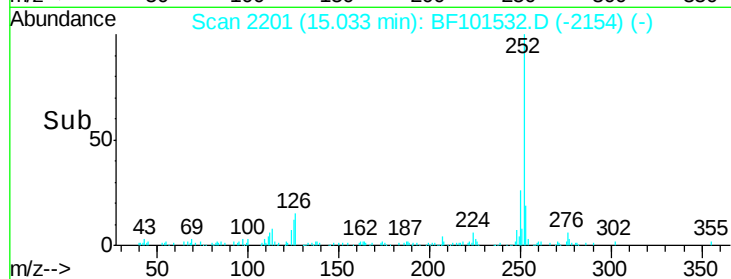
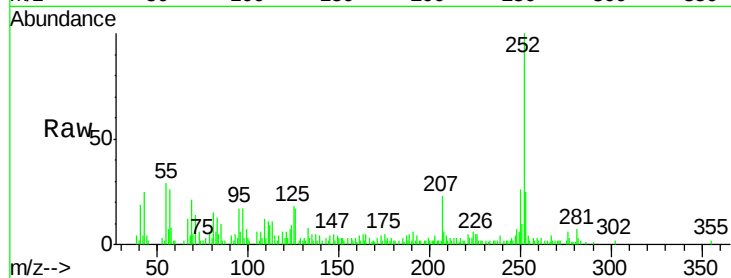
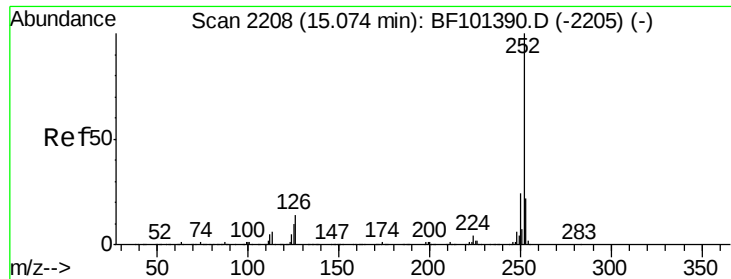
Tot Ion:264 Resp: 332012
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.192 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101532.D
Acq: 19 Dec 2017 19:42

Tgt Ion:252 Resp: 44354
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 18.0 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.254 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF101532.D

Acq: 19 Dec 2017 19:42

Instrument :

BNA_F

ClientSampleId :

NB-01-121817-A

Tot Ion:252 Resp: 44354

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

125 18.0 10.2 15.2#

