

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101935.D
 Acq On : 5 Jan 2018 17:42
 Operator : SJ/JU
 Sample : J1012-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 21:39:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 12:29:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	129583	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	466373	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	169816	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	268287	20.00	ng	0.00
75) Chrysene-d12	13.96	240	264810	20.00	ng	0.00
86) Perylene-d12	15.43	264	206288	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1043199	119.92	ng	0.01
7) Phenol-d6	6.43	99	1117003	103.17	ng	0.00
23) Nitrobenzene-d5	7.35	82	817795	97.61	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	172878	105.65	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1123284	102.61	ng	0.00
78) Terphenyl-d14	12.88	244	862263	78.50	ng	0.00

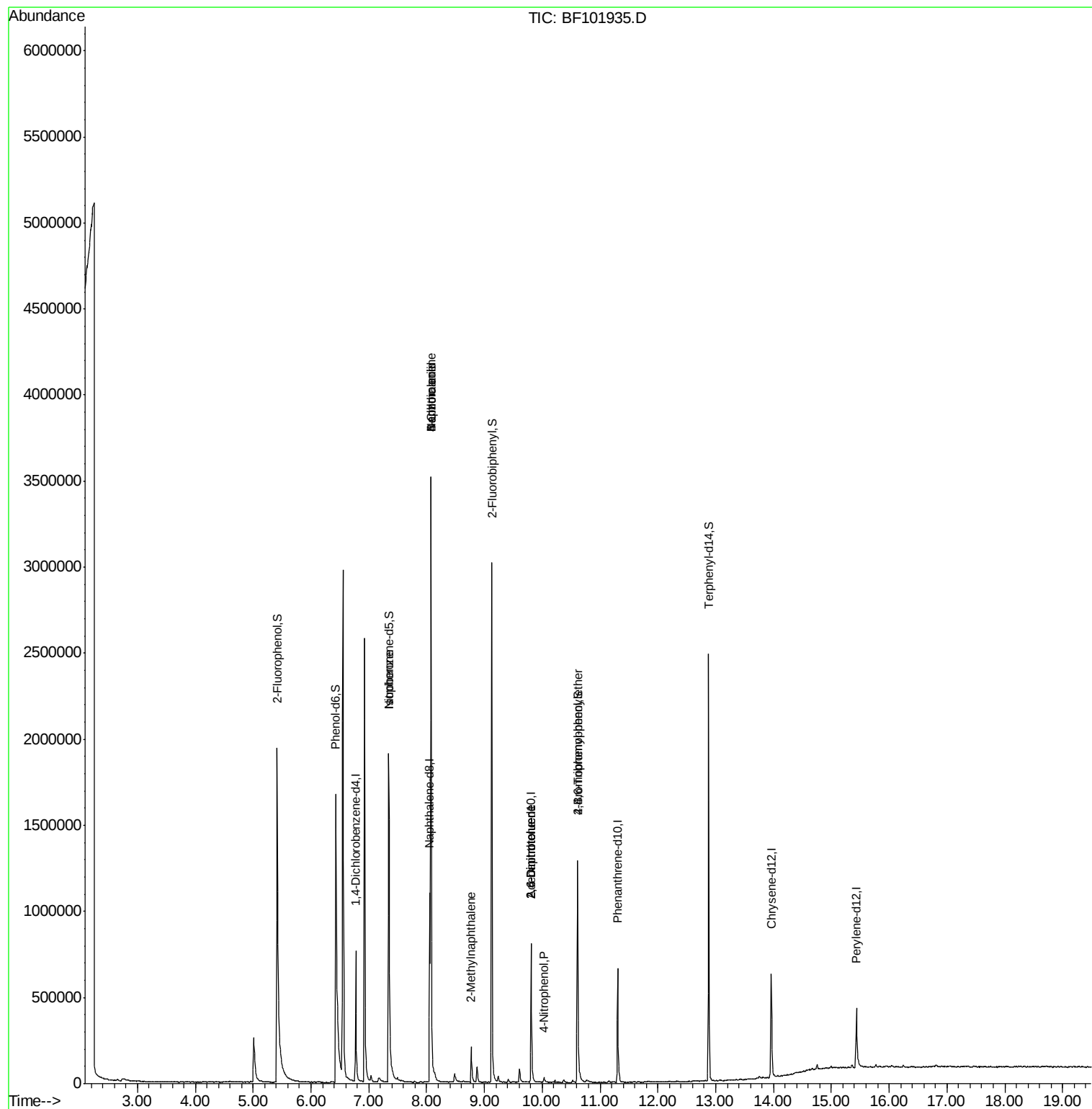
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.35	82	817795	48.658	ng	# 64
31) Naphthalene	8.07	128	1817695	77.418	ng	# 98
32) Benzoic acid	8.07	122	4592	8.801	ng	# 1
33) 4-Chloroaniline	8.07	127	248097	24.312	ng	# 34
37) 2-Methylnaphthalene	8.77	142	72811	4.760	ng	# 100
50) 2,6-Dinitrotoluene	9.81	165	22714	8.182	ng	# 26
55) 4-Nitrophenol	10.03	139	6486	4.298	ng	# 9
56) 2,4-Dinitrotoluene	9.81	165	22714	7.262	ng	# 24
66) 4-Bromophenyl-phenylether	10.61	248	11745	3.896	ng	# 1

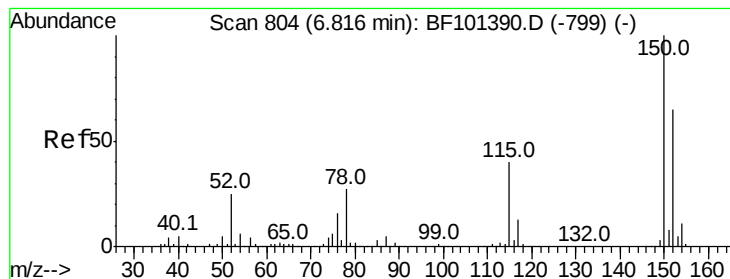
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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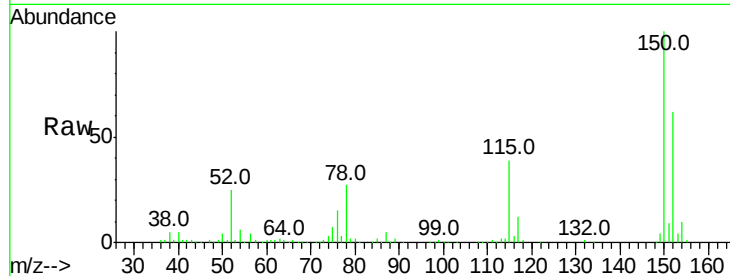


#1

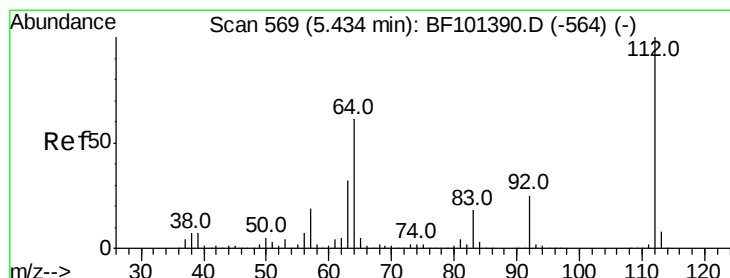
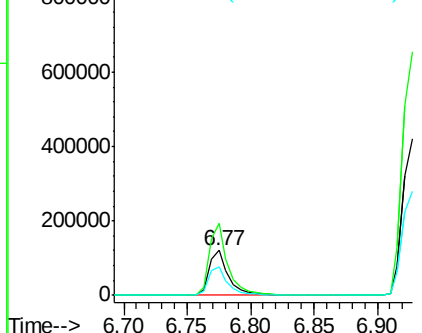
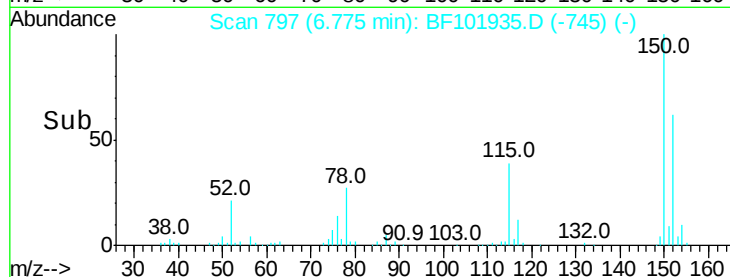
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. 0.01 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 129583
 Ion Ratio Lower Upper
 152 100
 150 161.3 124.6 186.8
 115 62.3 50.1 75.1



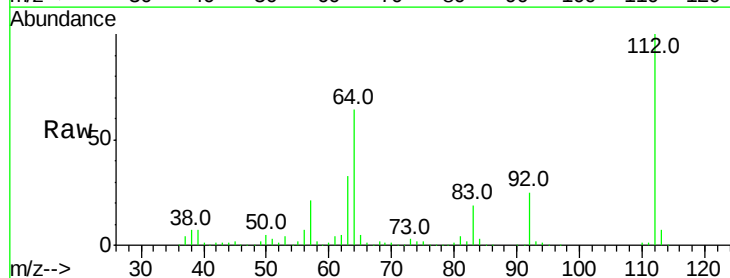
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



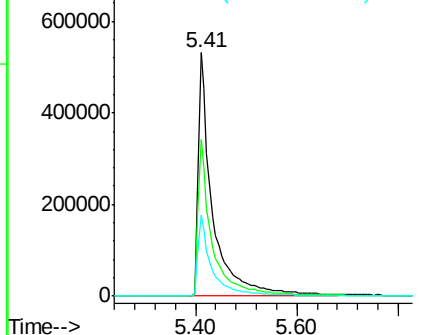
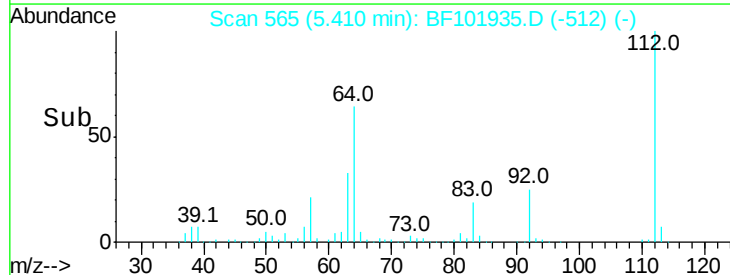
#5

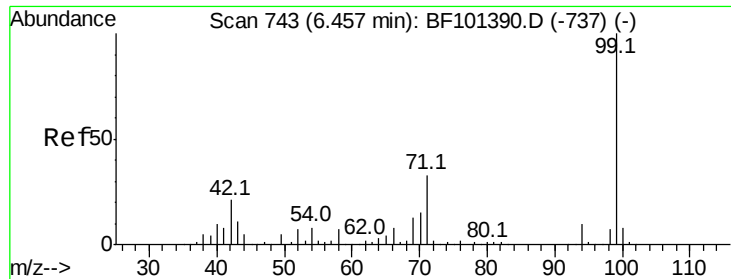
2-Fluorophenol
 Concen: 119.918 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

Tgt Ion:112 Resp: 1043199
 Ion Ratio Lower Upper
 112 100
 64 64.2 47.9 71.9
 63 33.3 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: 103.172 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

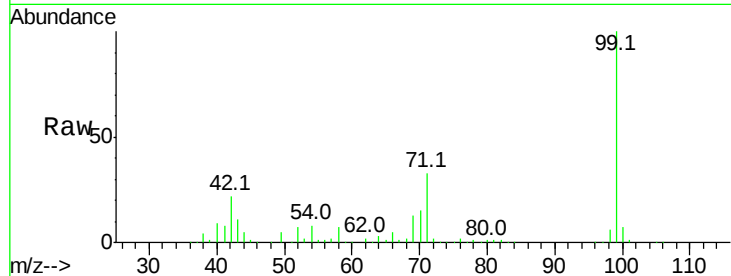
Instrument :

BNA_F

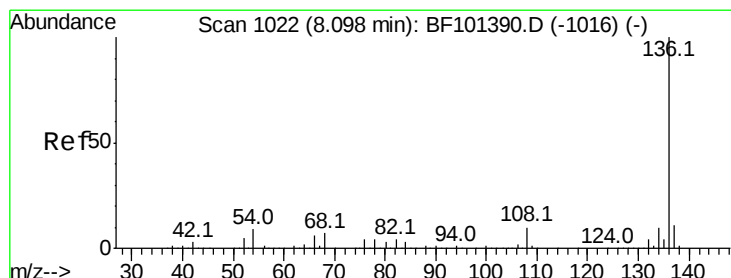
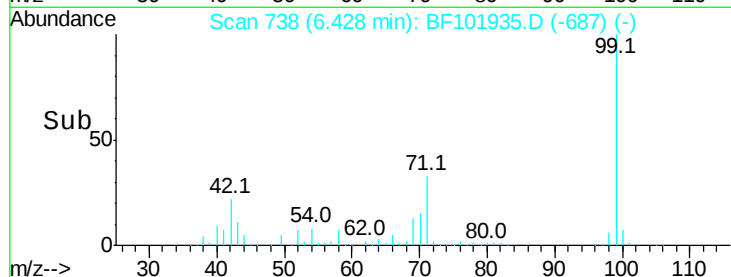
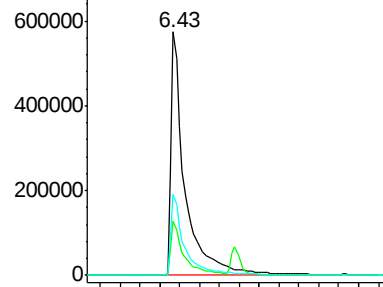
ClientSampleId :

Tot Ion: 99 Resp: 1117003

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	33.4	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: 8.05 min Scan# 1014

Delta R.T. 0.00 min

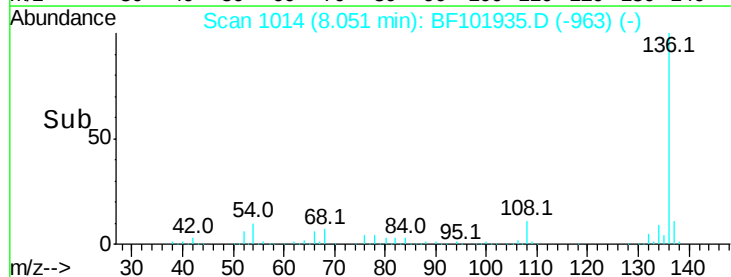
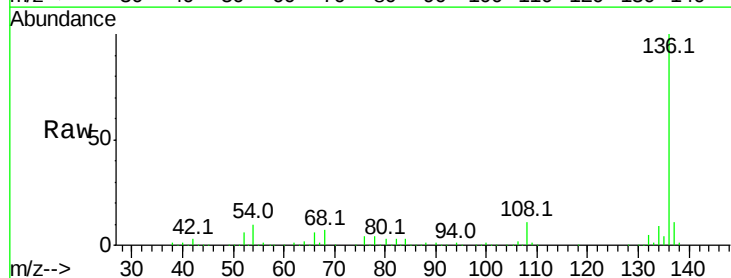
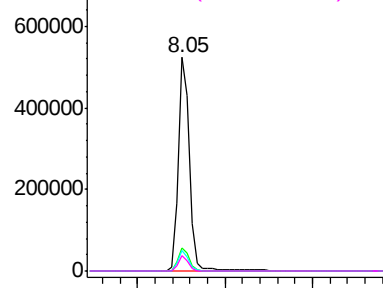
Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

Tgt Ion: 136 Resp: 466373

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.9	6.6	9.8#
68	7.1	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

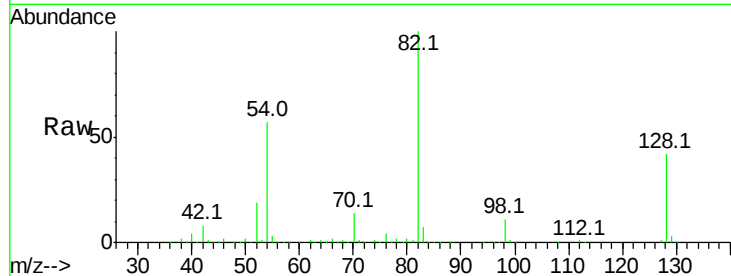




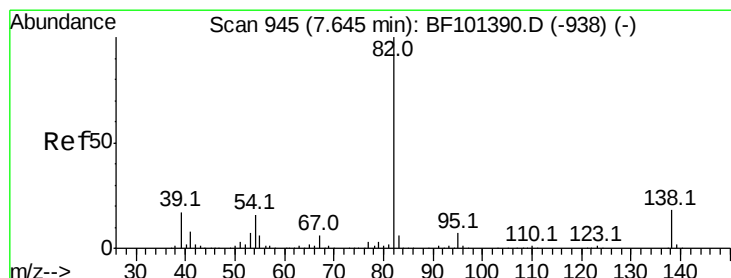
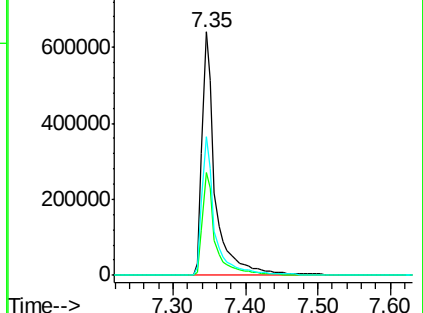
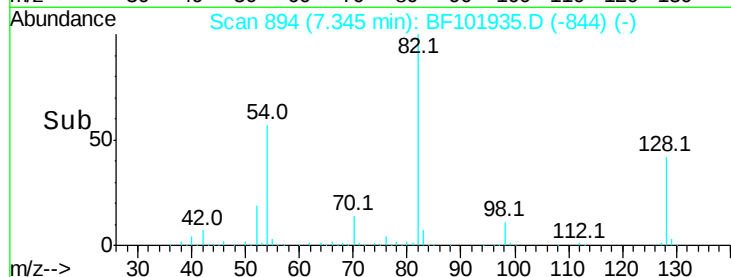
#23
 Nitrobenzene-d5
 Concen: 97.611 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	817795
Ion Ratio	Lower	Upper	
82	100		
128	42.2	36.1	54.1
54	57.0	41.4	62.2

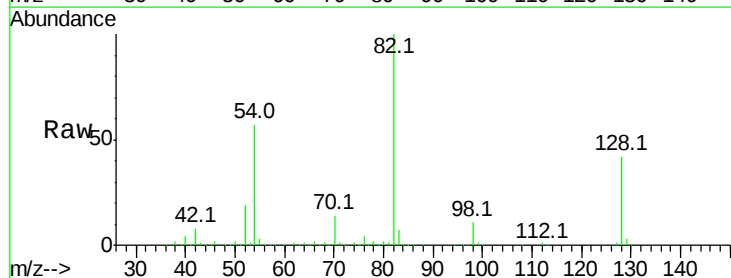


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

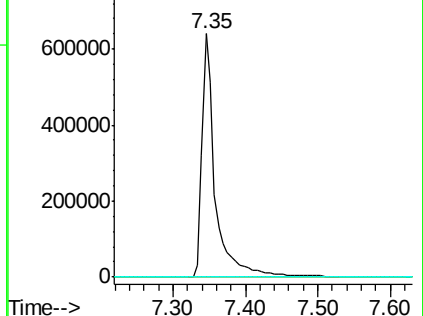
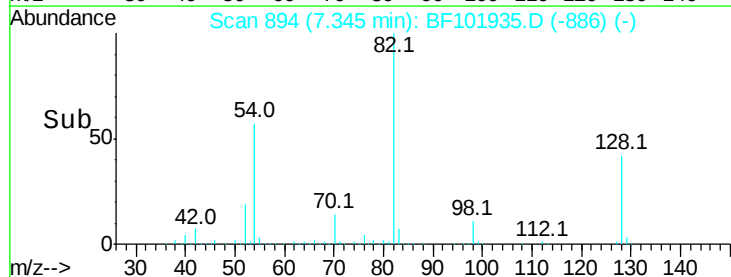


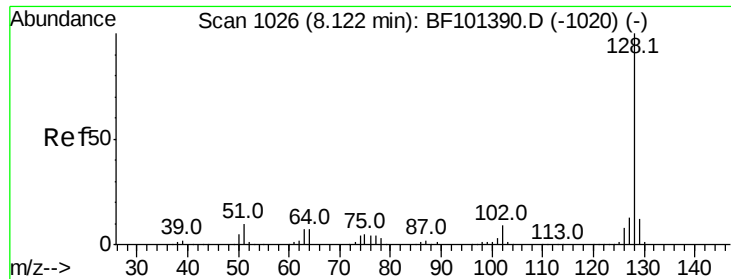
#25
 Isophorone
 Concen: 48.658 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.25 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

Tgt Ion	82	Resp	817795
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

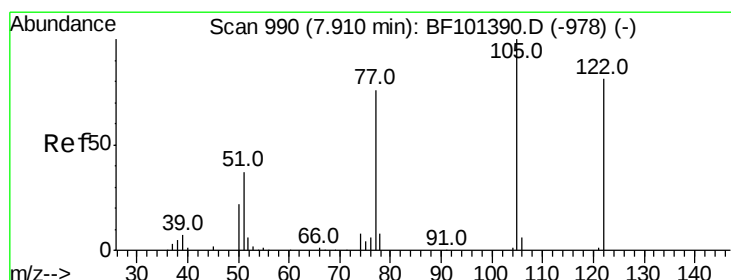
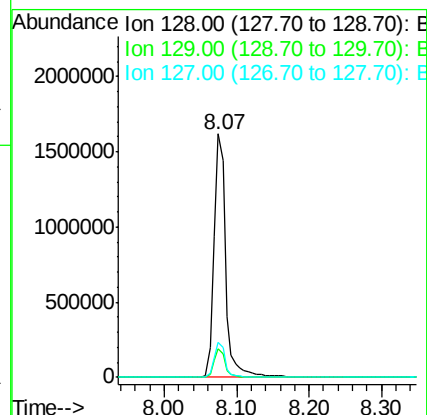
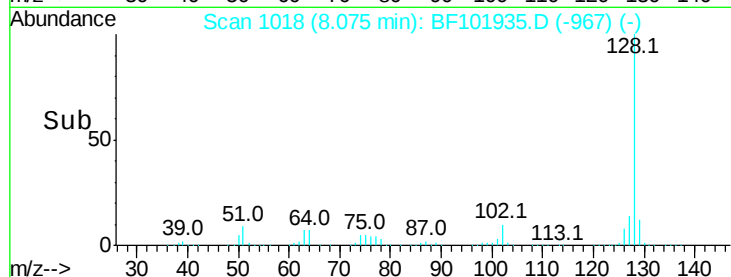
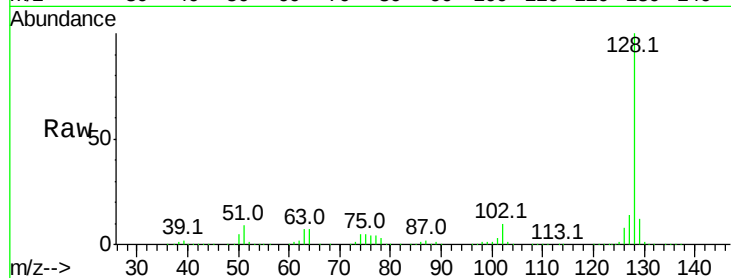




#31
Naphthalene
Concen: 77.418 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF101935.D
Acq: 5 Jan 2018 17:42

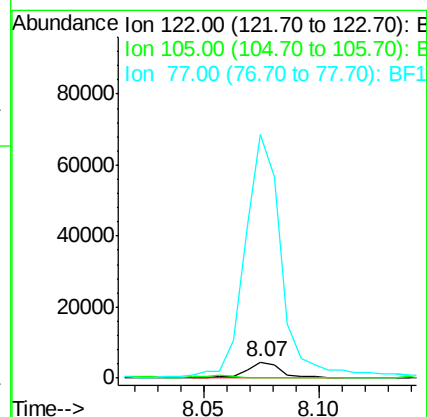
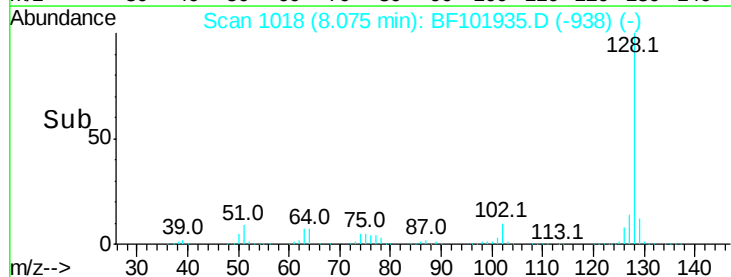
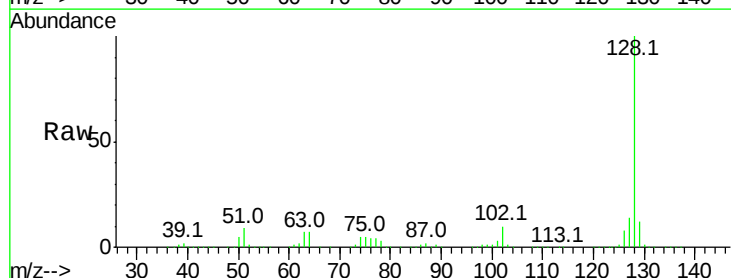
Instrument :
BNA_F
ClientSampleId :

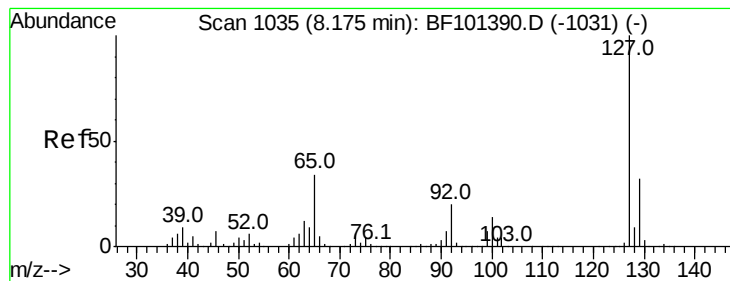
Tot Ion:128 Resp: 1817695
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.2 10.9 16.3



#32
Benzoic acid
Concen: 8.801 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.17 min
Lab File: BF101935.D
Acq: 5 Jan 2018 17:42

Tgt Ion:122 Resp: 4592
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 1536.2 70.7 110.7#





#33

4-Chloroaniline

Concen: 24.312 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.06 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 248097

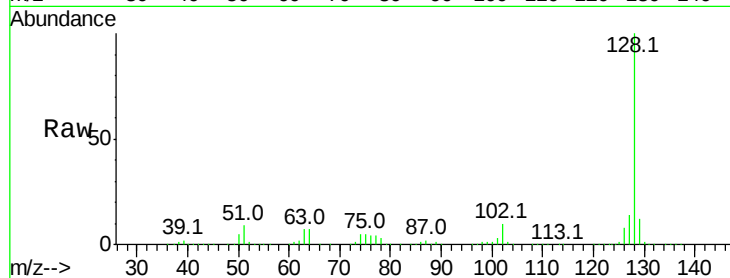
Ion Ratio Lower Upper

127 100

129 82.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

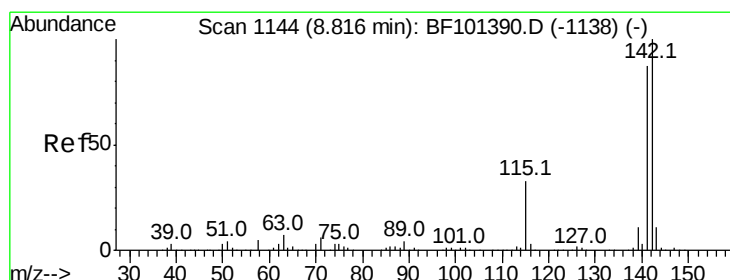
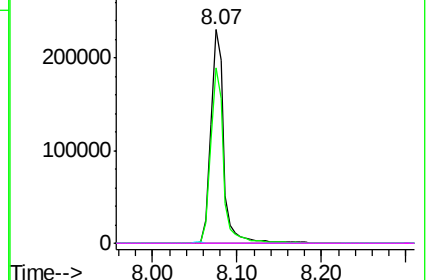
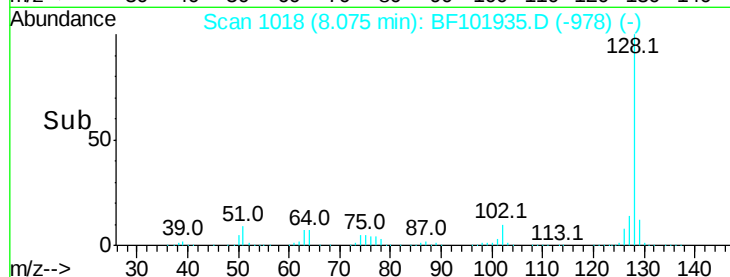


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#37

2-Methylnaphthalene

Concen: 4.760 ng

RT: 8.77 min Scan# 1137

Delta R.T. 0.01 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

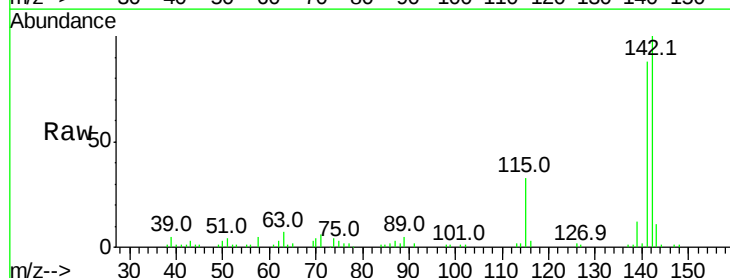
Tgt Ion:142 Resp: 72811

Ion Ratio Lower Upper

142 100

141 88.4 70.8 106.2

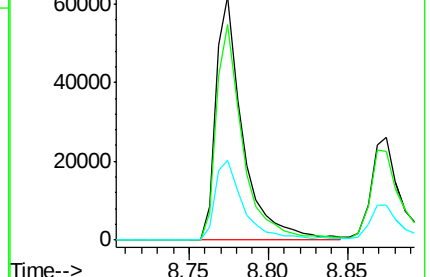
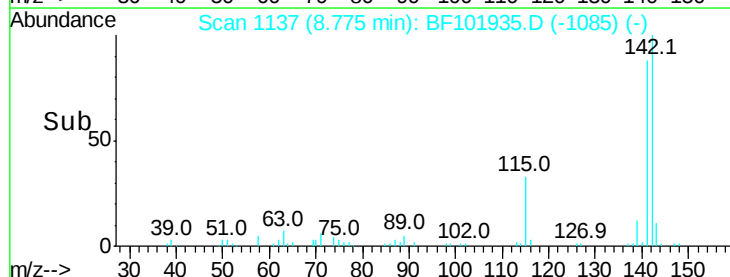
115 32.8 26.1 39.1

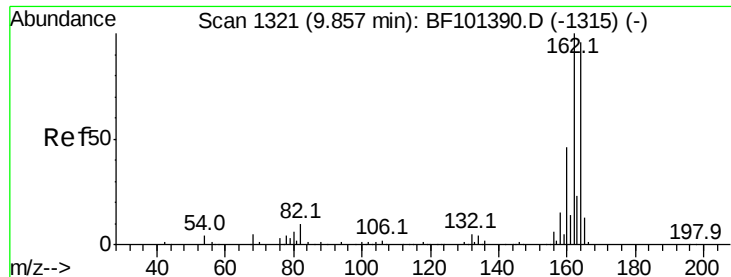


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

Instrument :

BNA_F

ClientSampleId :

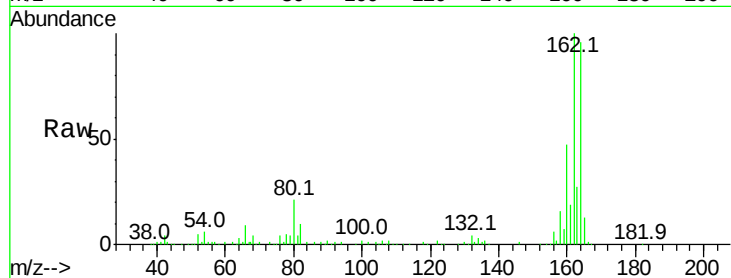
Tot Ion:164 Resp: 169816

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

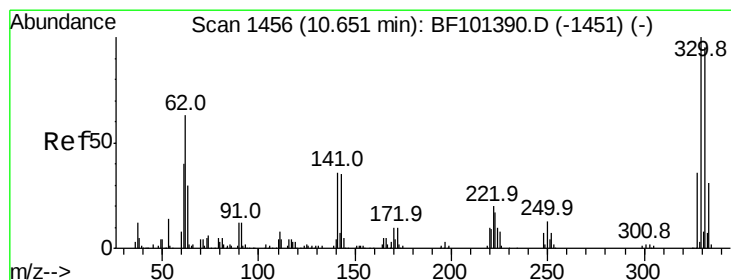
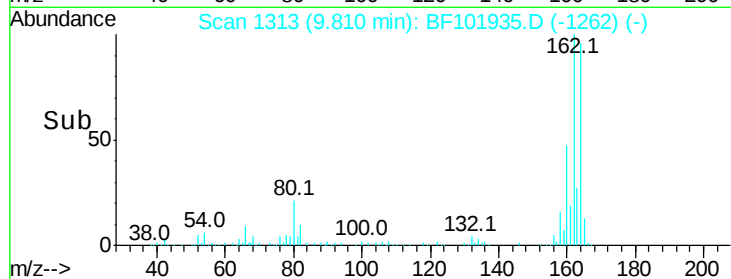
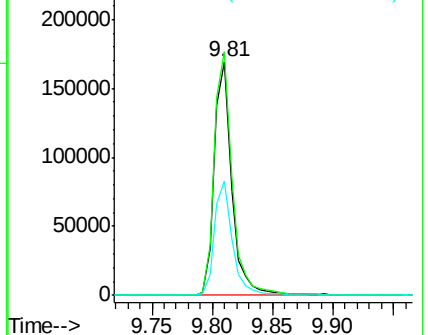
160 49.1 38.3 57.5



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: 105.651 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

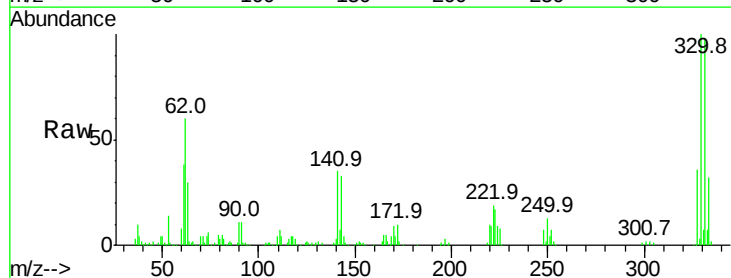
Tgt Ion:330 Resp: 172878

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

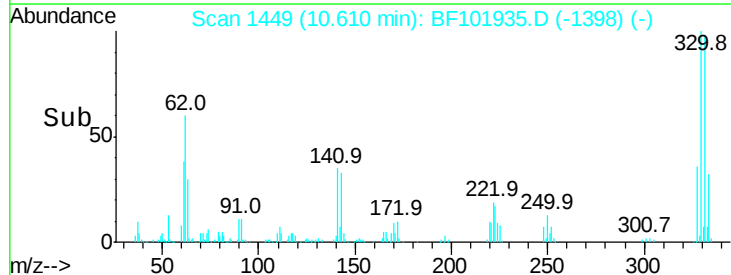
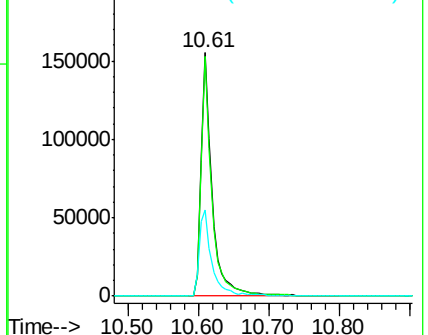
141 40.9 29.9 44.9

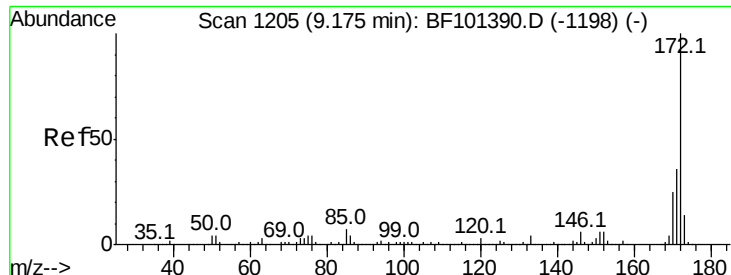


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



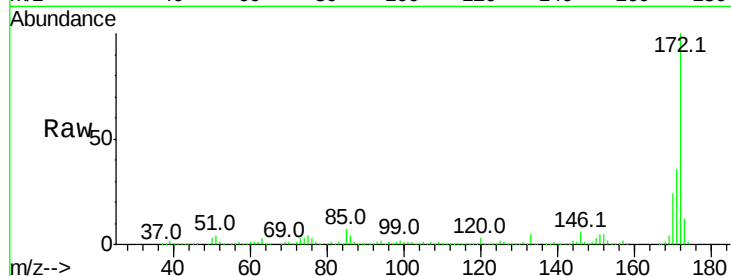


#44
 2-Fluorobiphenyl
 Concen: 102.610 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

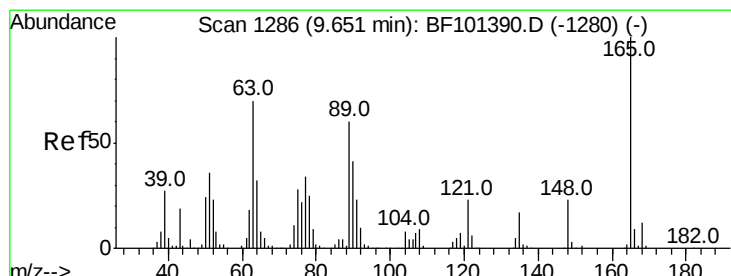
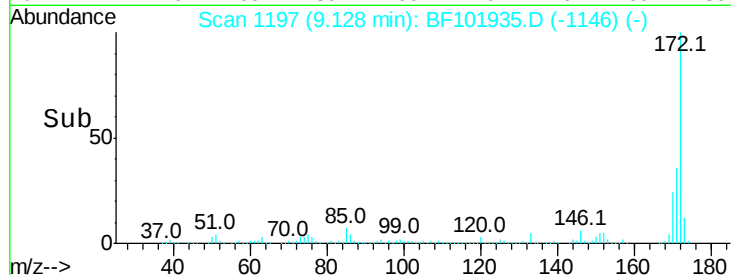
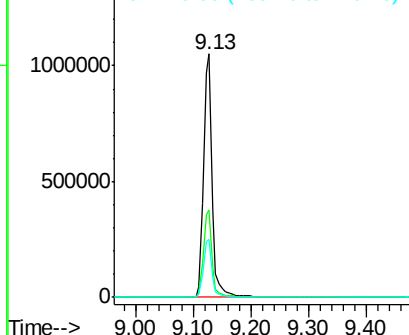
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1123284

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	19.6	29.4



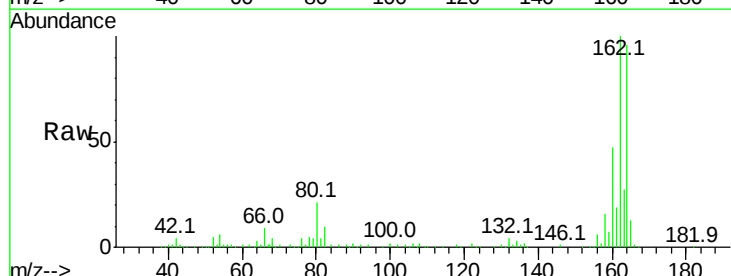
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



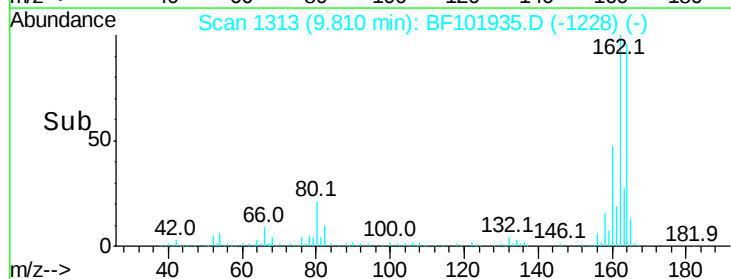
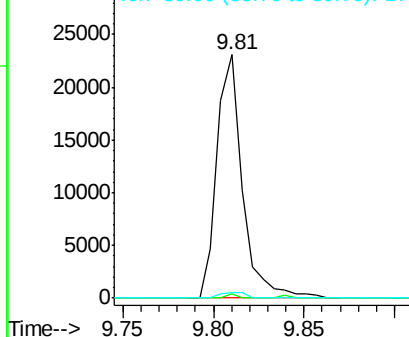
#50
 2,6-Dinitrotoluene
 Concen: 8.182 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

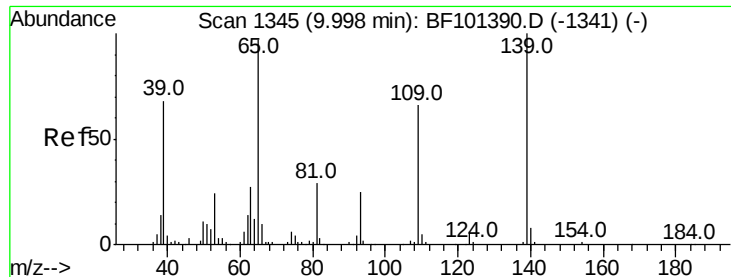
Tgt Ion:165 Resp: 22714

Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	2.0	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





#55

4-Nitrophenol

Concen: 4.298 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.04 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

Instrument :

BNA_F

ClientSampleId :

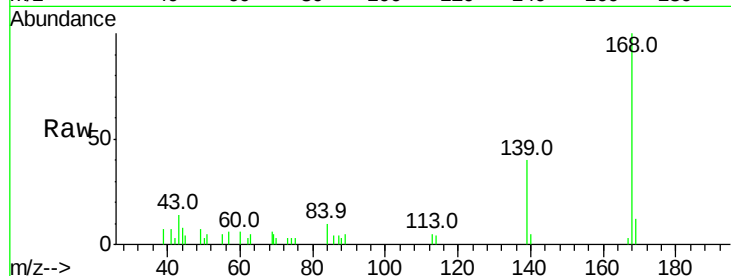
Tot Ion:139 Resp: 6486

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

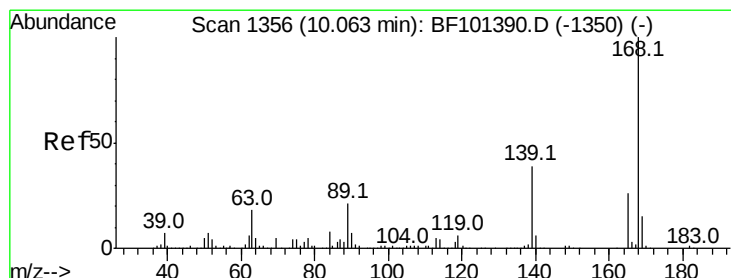
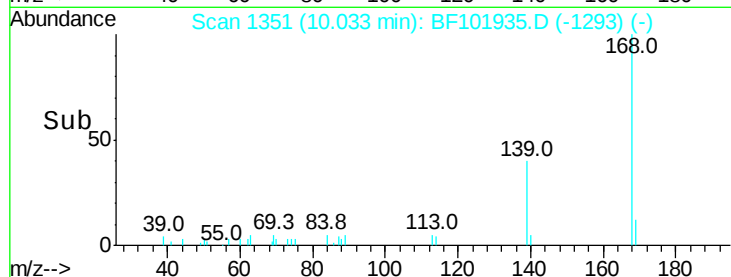
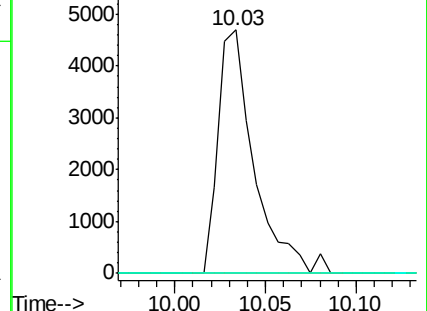
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 7.262 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.22 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

Tgt Ion:165 Resp: 22714

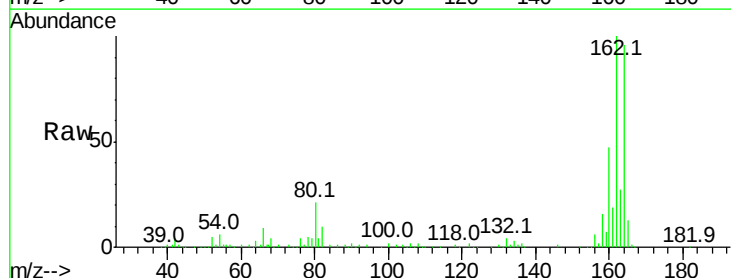
Ion Ratio Lower Upper

165 100

63 1.8 36.4 54.6#

89 2.0 57.8 86.6#

182 1.4 1.6 2.4#

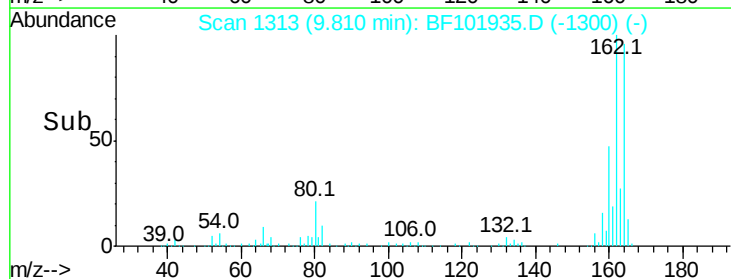
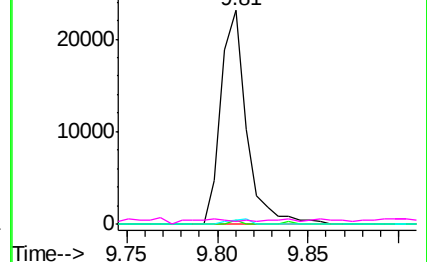


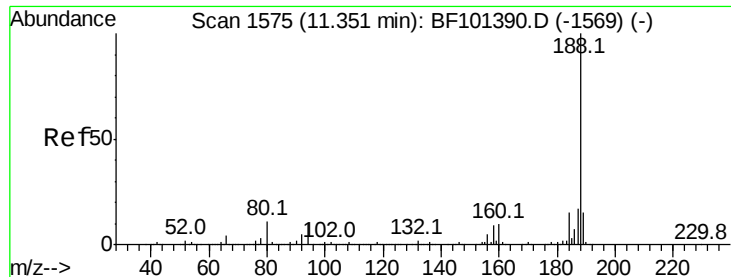
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

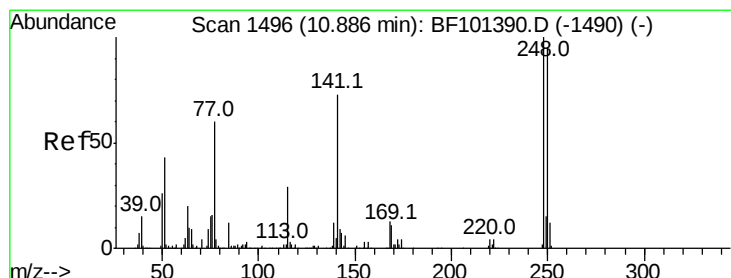
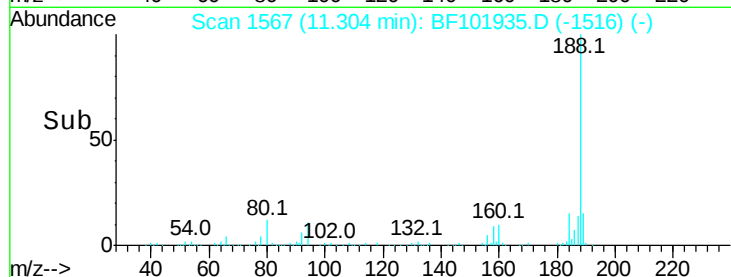
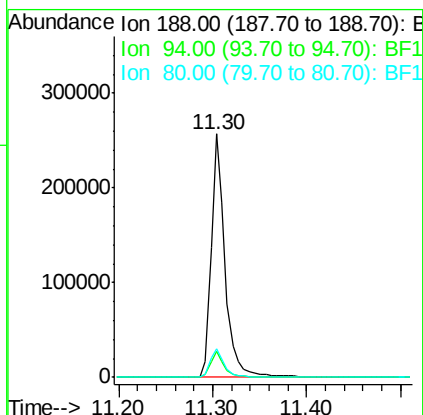
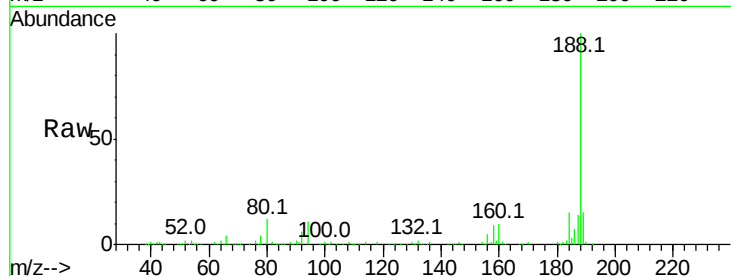




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

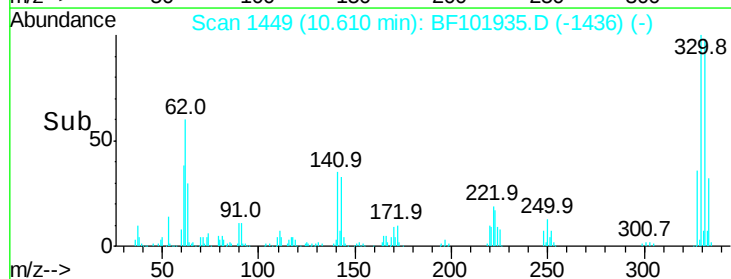
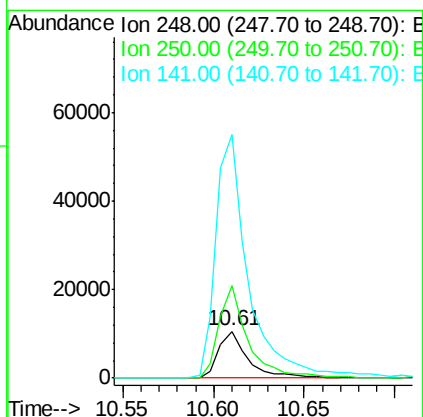
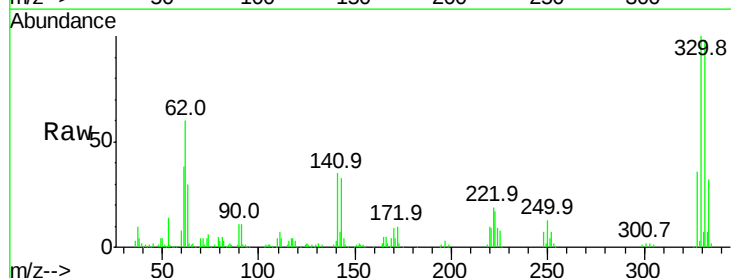
Instrument :
 BNA_F
 ClientSampleId :

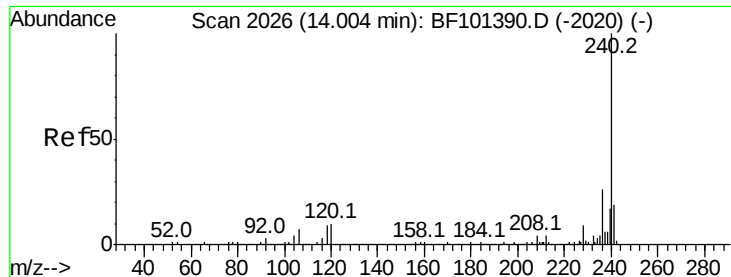
Tot Ion:188 Resp: 268287
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.8 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.896 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.22 min
 Lab File: BF101935.D
 Acq: 5 Jan 2018 17:42

Tgt Ion:248 Resp: 11745
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.9 115.3#
 141 520.5 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

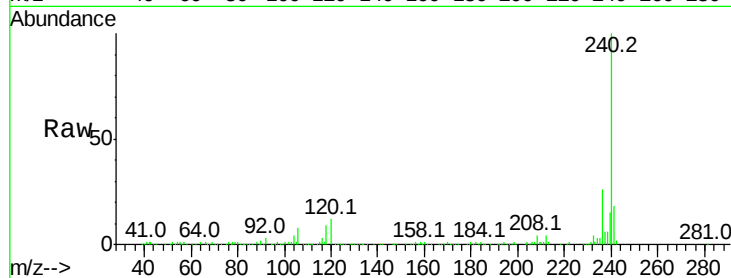
Instrument :

BNA_F

ClientSampled :

Tot Ion:240 Resp: 264810

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	26.3	20.7	31.1

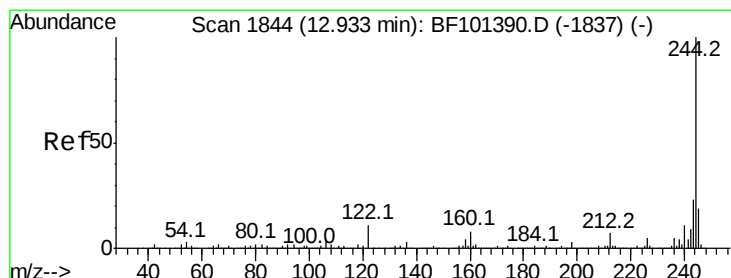
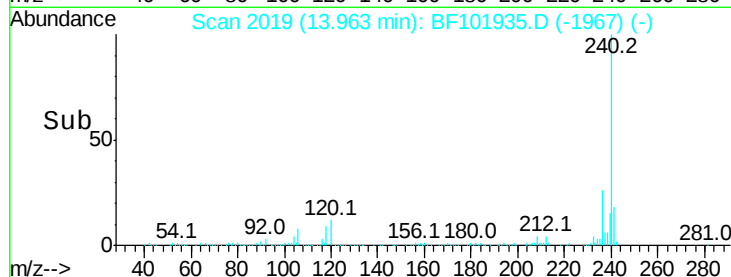
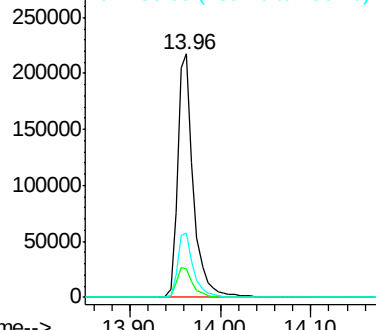


Abundance

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: 78.498 ng

RT: 12.88 min Scan# 1835

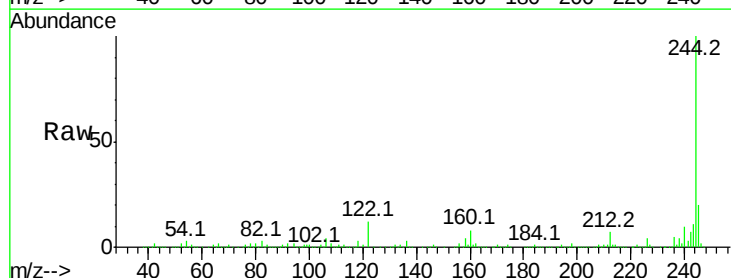
Delta R.T. 0.00 min

Lab File: BF101935.D

Acq: 5 Jan 2018 17:42

Tgt Ion:244 Resp: 862263

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	12.4	11.0	16.4

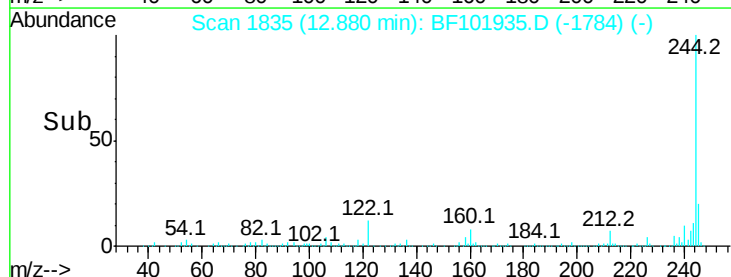
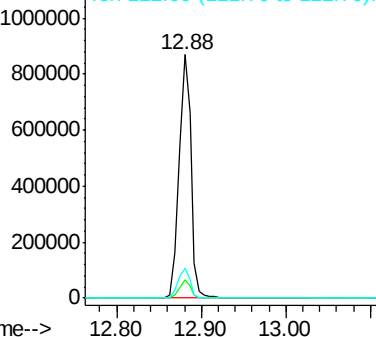


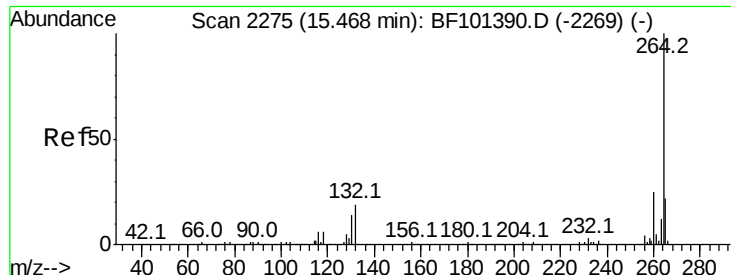
Abundance

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

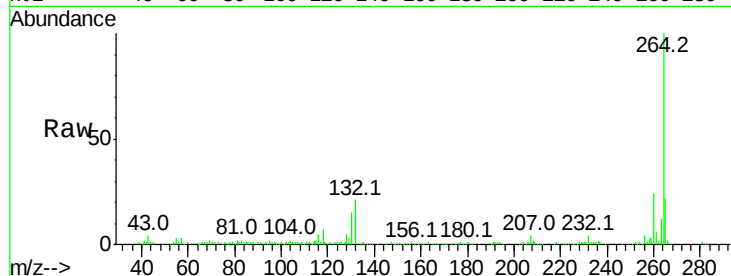




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF101935.D
Acq: 5 Jan 2018 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.0	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

