

Data File : BF109353.D
Acq On : 26 Sep 2018 22:33
Operator : JU/SJ
Sample : J5081-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-S

Quant Time: Sep 27 05:40:50 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	90726	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	317453	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	137410	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	260546	20.00	ng	0.00
75) Chrysene-d12	13.84	240	277089	20.00	ng	0.00
86) Perylene-d12	15.24	264	229813	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	474893	86.21	ng	0.00
7) Phenol-d6	6.35	99	583149	82.97	ng	-0.01
23) Nitrobenzene-d5	7.26	82	364623	67.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	132785	98.03	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	605646	66.47	ng	-0.01
78) Terphenyl-d14	12.80	244	628414	55.66	ng	0.00

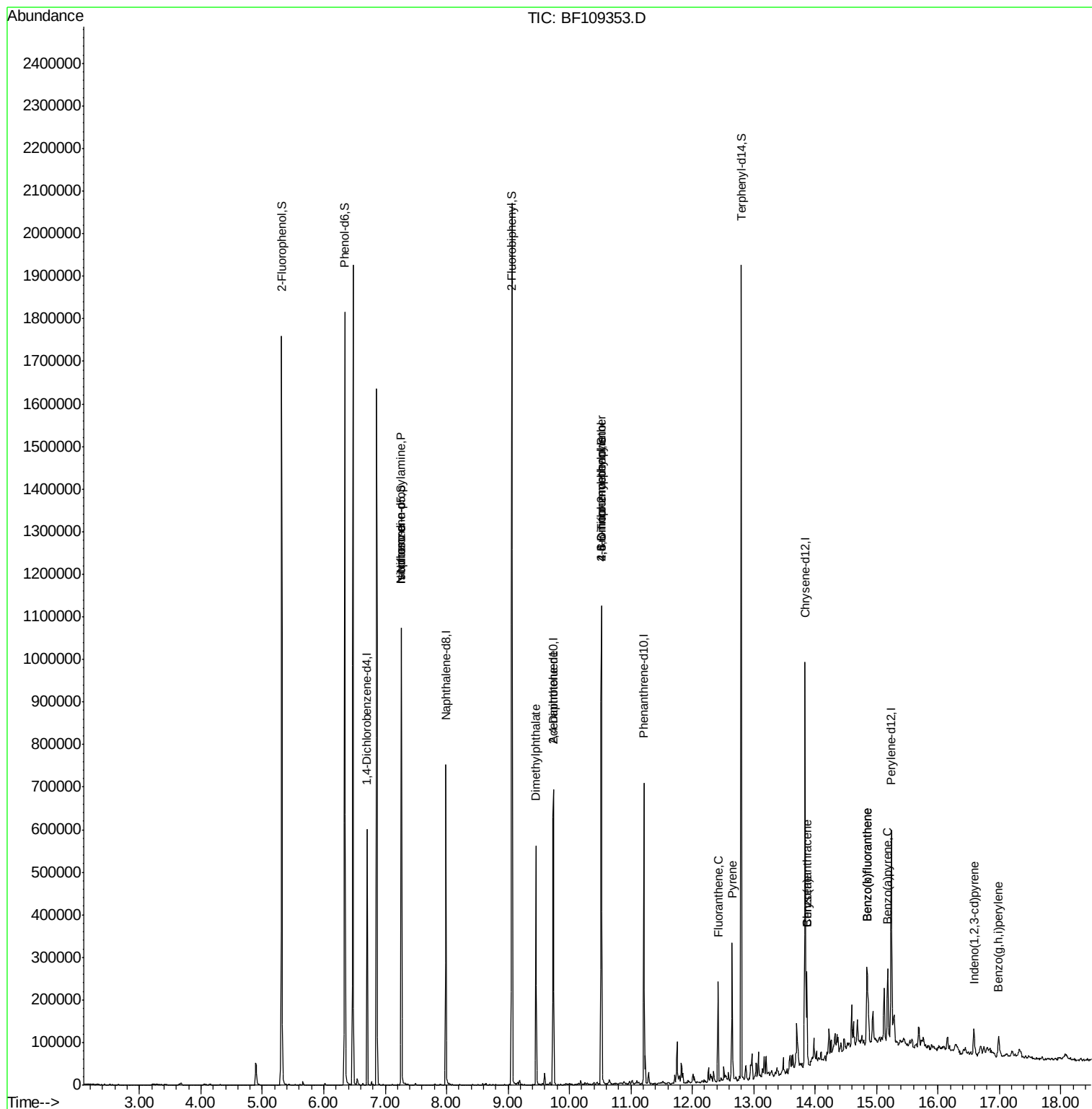
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	48584	10.549	ng	# 79
25) Isophorone	7.26	82	349284	36.069	ng	# 64
49) Dimethylphthalate	9.46	163	206115	20.623	ng	99
56) 2,4-Dinitrotoluene	9.74	165	17353	6.929	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.52	198	246	6.724	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	7706	2.663	ng	# 1
74) Fluoranthene	12.42	202	88032	6.332	ng	94
77) Pyrene	12.64	202	126105	6.350	ng	97
80) Benzo(a)anthracene	13.86	228	90724	5.436	ng	98
82) Chrysene	13.86	228	90724	5.484	ng	98
85) Indeno(1,2,3-cd)pyrene	16.59	276	35387	2.639	ng	93
87) Benzo(b)fluoranthene	14.84	252	119860	9.492	ng	98
88) Benzo(k)fluoranthene	14.84	252	119860	10.002	ng	99
89) Benzo(a)pyrene	15.18	252	67448	5.927	ng	98
91) Benzo(g,h,i)perylene	16.99	276	37263	4.061	ng	93

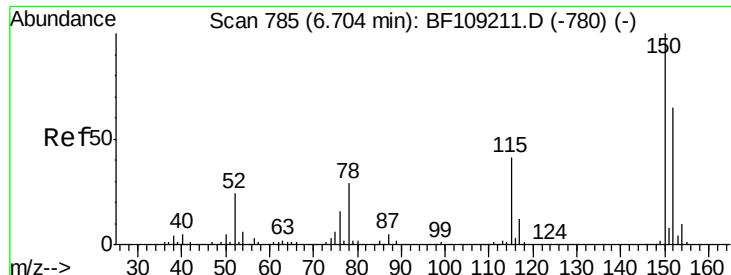
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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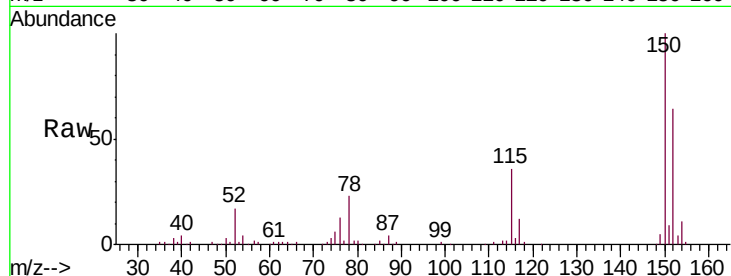


#1

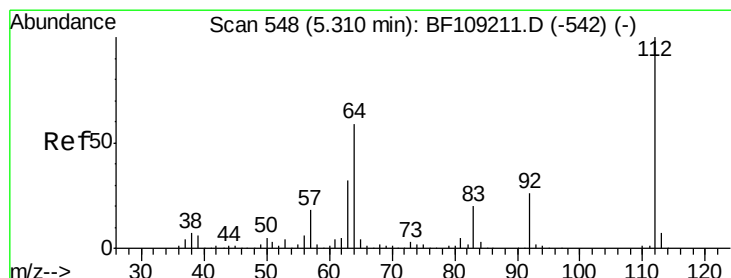
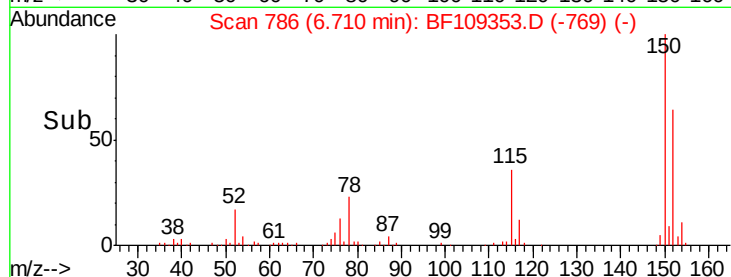
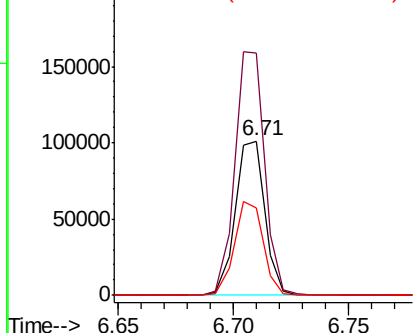
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Instrument :
BNA_F
ClientSampleId :
TP-1-S

Tgt Ion:152 Resp: 90726
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 56.9 50.1 75.1



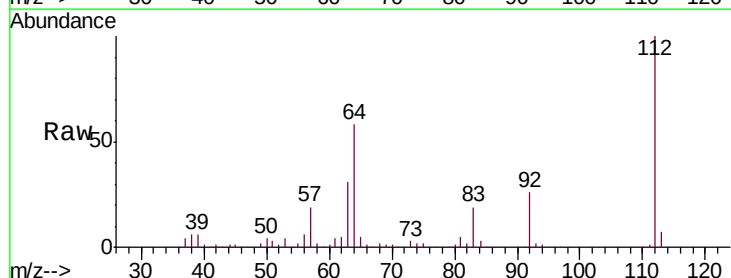
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



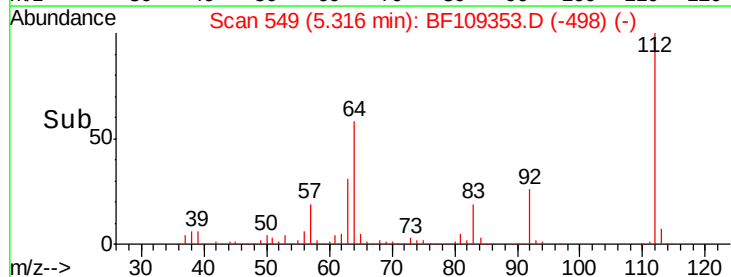
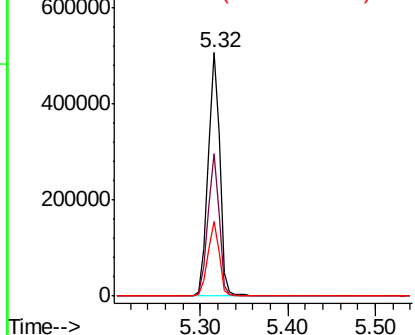
#5

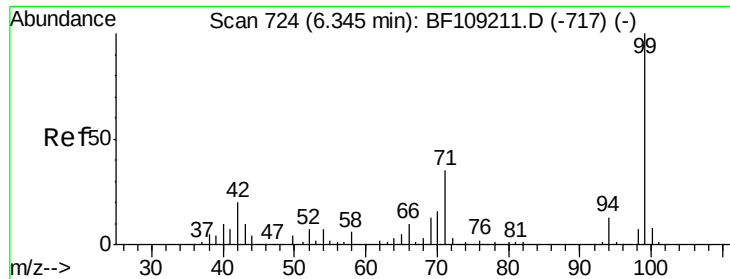
2-Fluorophenol
Concen: 86.214 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Tgt Ion:112 Resp: 474893
Ion Ratio Lower Upper
112 100
64 58.4 47.9 71.9
63 30.8 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: 82.966 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

Instrument :

BNA_F

ClientSampled :

TP-1-S

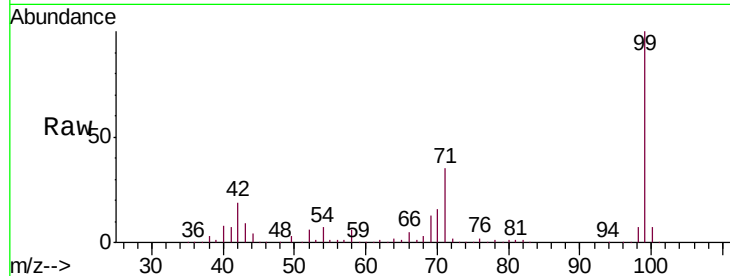
Tgt Ion: 99 Resp: 583149

Ion Ratio Lower Upper

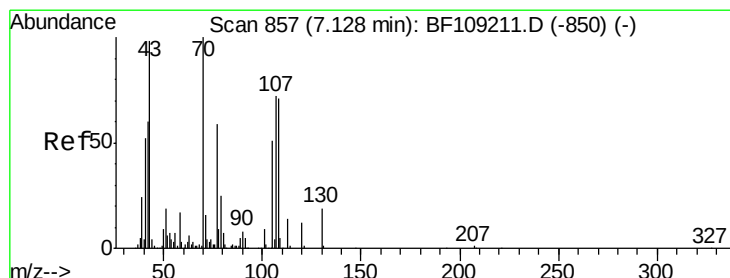
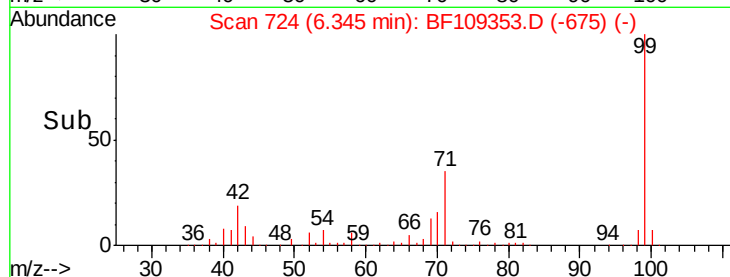
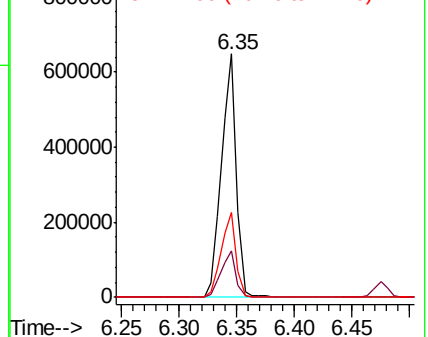
99 100

42 18.9 14.5 21.7

71 34.8 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: 10.549 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

Tgt Ion: 70 Resp: 48584

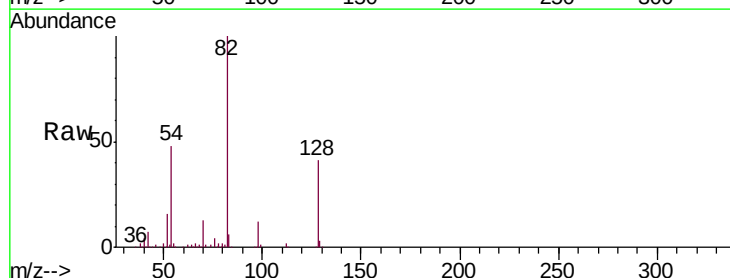
Ion Ratio Lower Upper

70 100

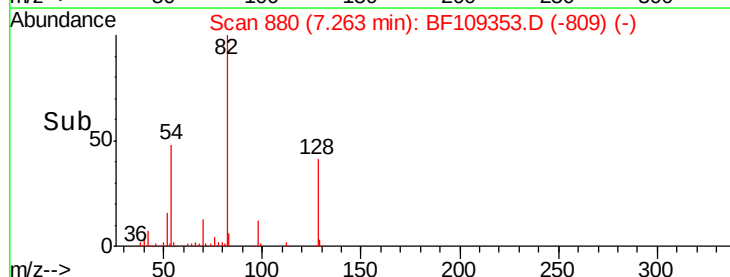
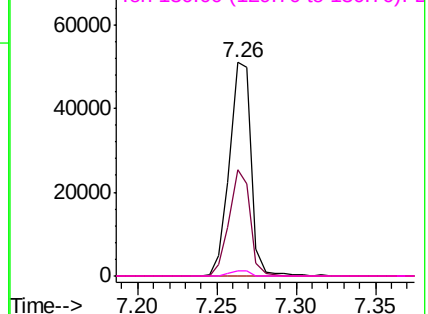
42 49.5 47.5 71.3

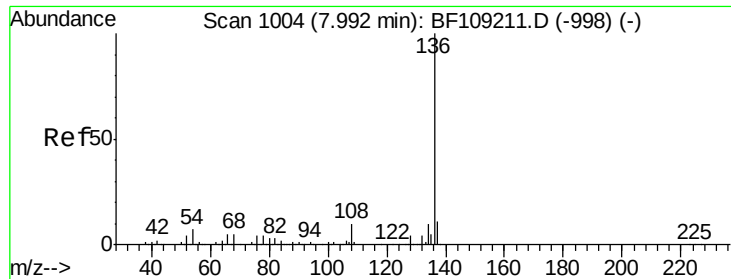
101 0.0 7.4 11.2#

130 2.2 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

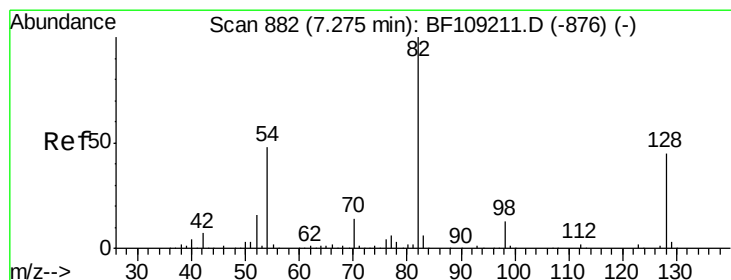
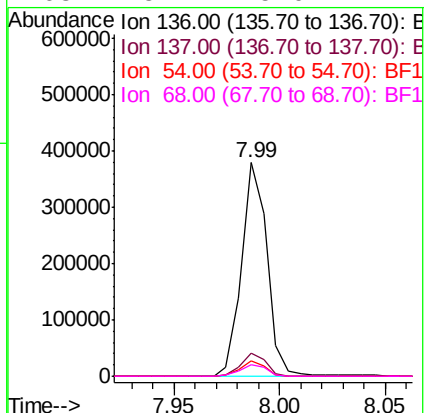
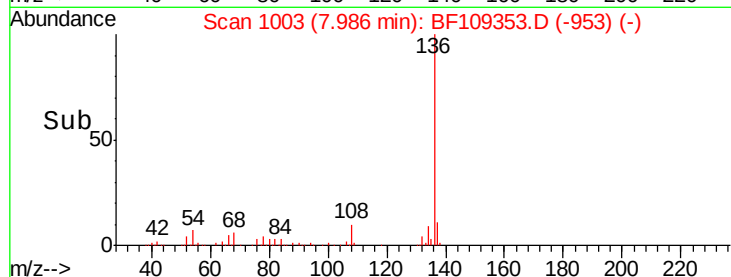
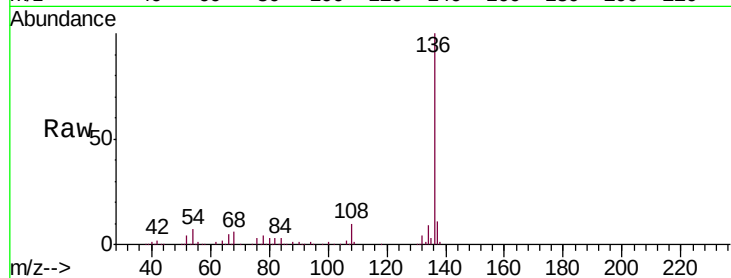




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

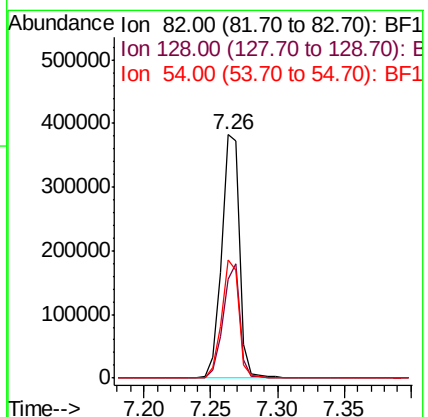
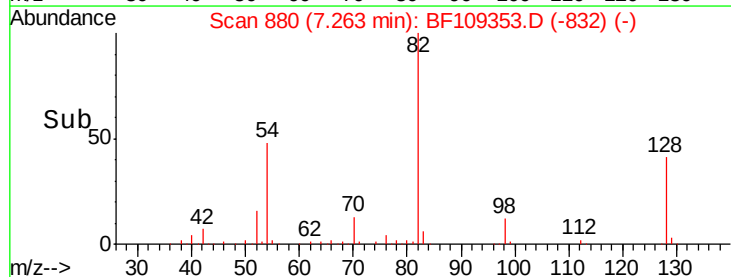
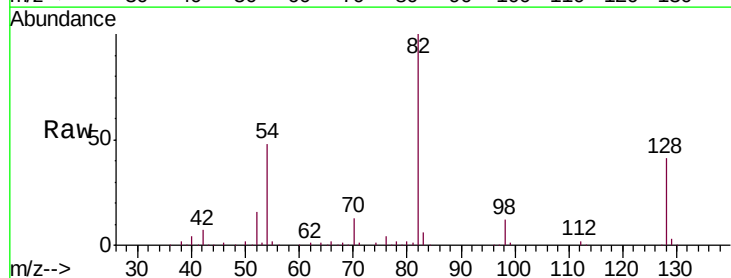
Instrument :
BNA_F
ClientSampleID :
TP-1-S

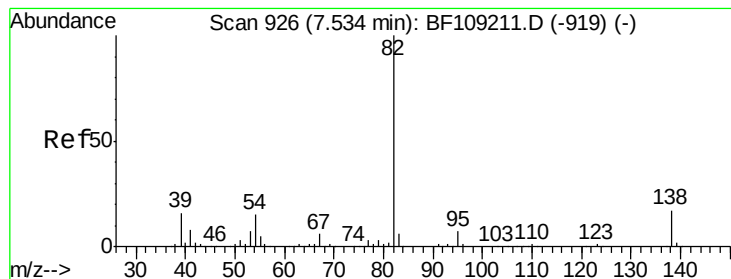
Tgt Ion:	136	Resp:	317453
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.2	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.803 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Tgt Ion:	82	Resp:	364623
Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	48.3	41.4	62.2





#25

Isophorone

Concen: 36.069 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

Instrument :

BNA_F

ClientSampleId :

TP-1-S

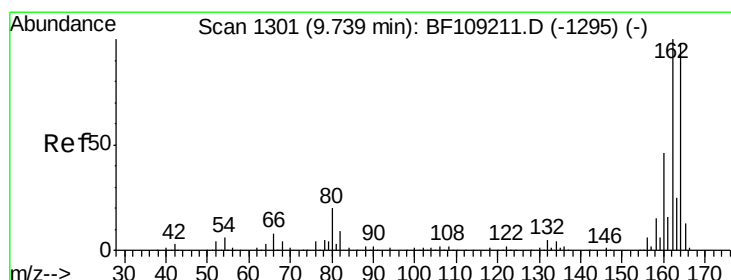
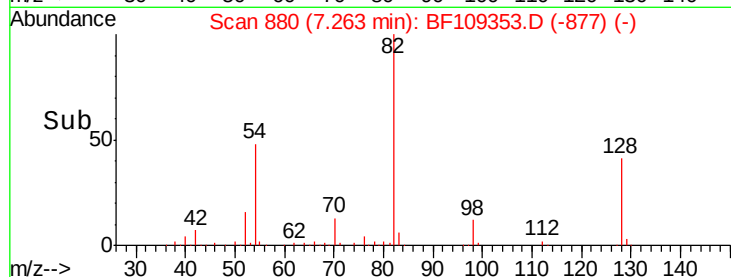
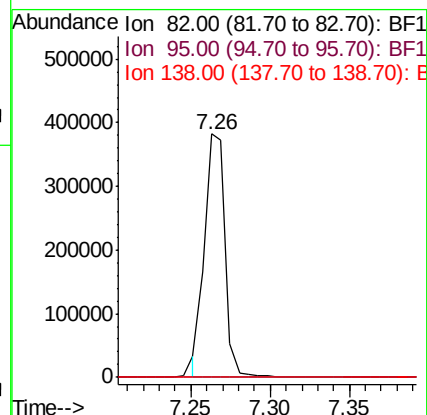
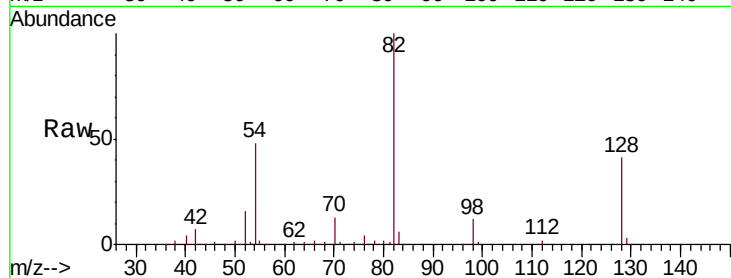
Tgt Ion: 82 Resp: 349284

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

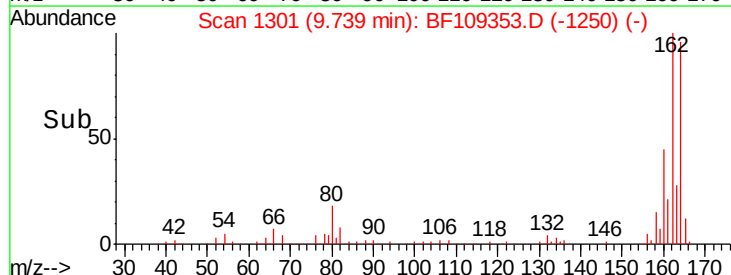
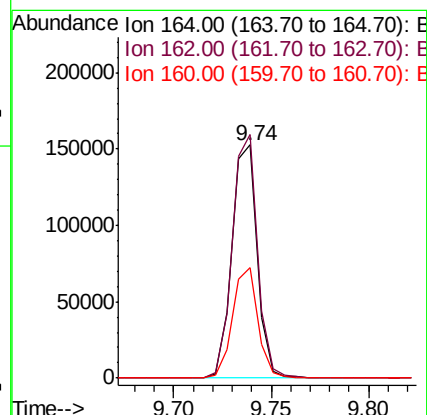
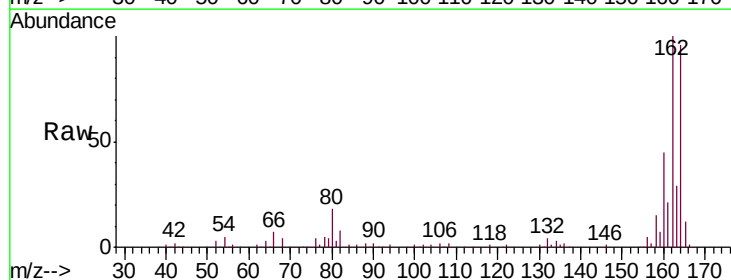
Tgt Ion: 164 Resp: 137410

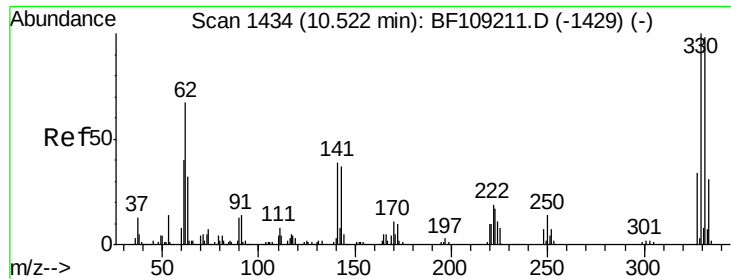
Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

160 47.2 38.3 57.5

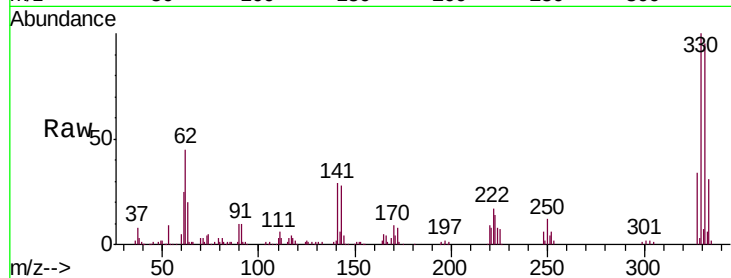




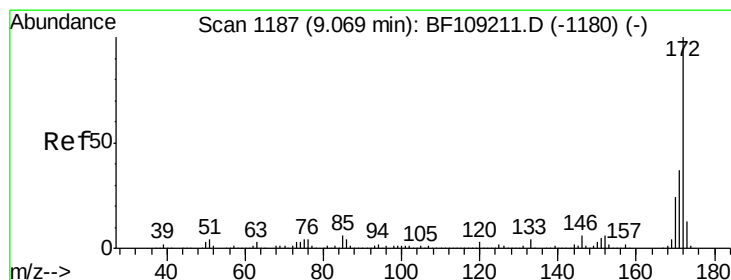
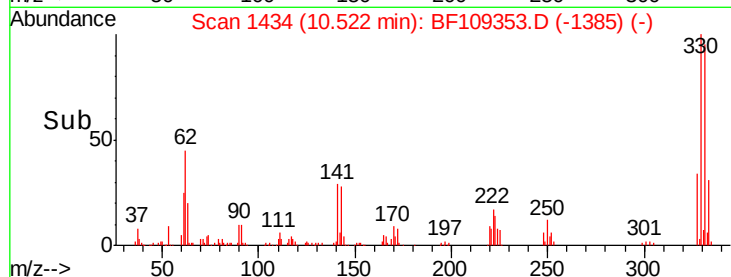
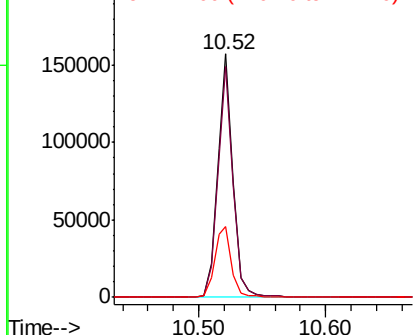
#41
 2,4,6-Tribromophenol
 Concen: 98.027 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109353.D
 Acq: 26 Sep 2018 22:33

Instrument :
 BNA_F
 ClientSampled :
 TP-1-S

Tgt Ion:330 Resp: 132785
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 31.9 29.9 44.9

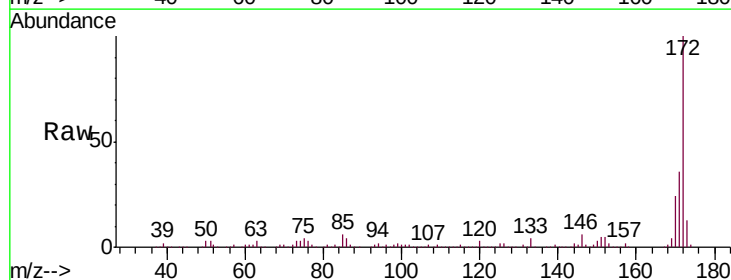


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

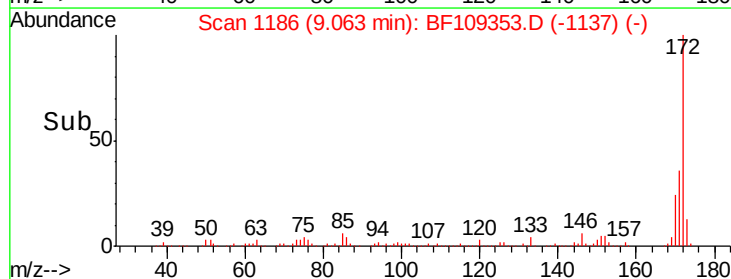
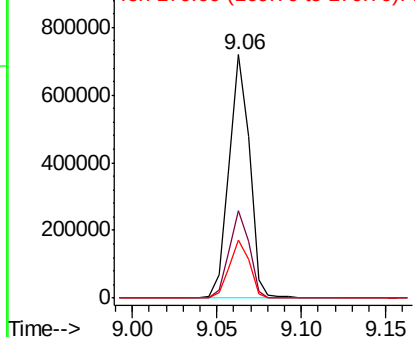


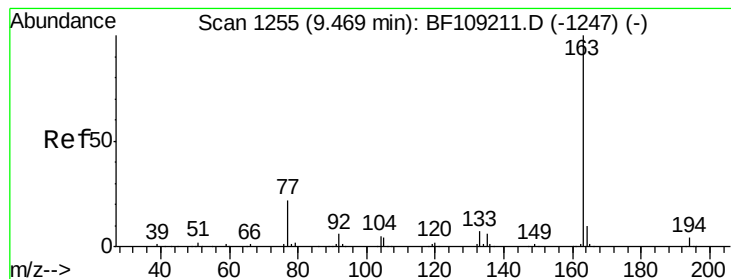
#44
 2-Fluorobiphenyl
 Concen: 66.475 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109353.D
 Acq: 26 Sep 2018 22:33

Tgt Ion:172 Resp: 605646
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.0 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: 20.623 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

Instrument :

BNA_F

ClientSampleId :

TP-1-S

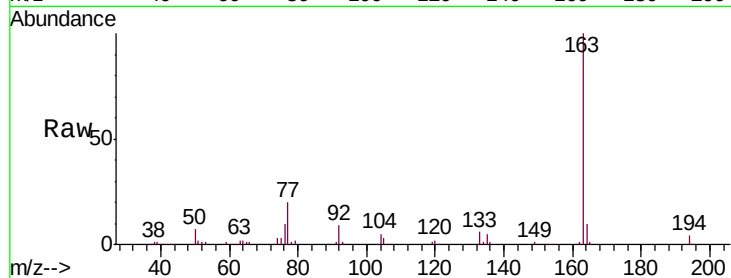
Tgt Ion:163 Resp: 206115

Ion Ratio Lower Upper

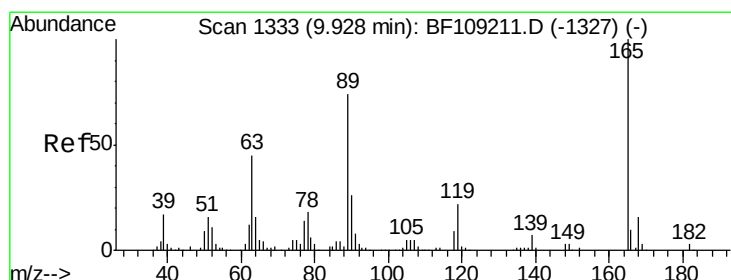
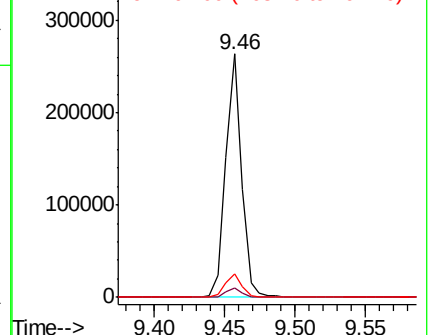
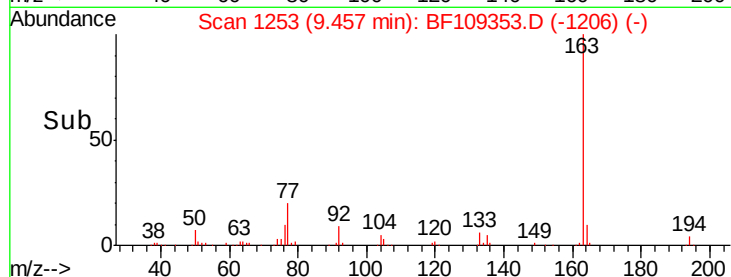
163 100

194 3.9 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



#56

2,4-Dinitrotoluene

Concen: 6.929 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.20 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

Tgt Ion:165 Resp: 17353

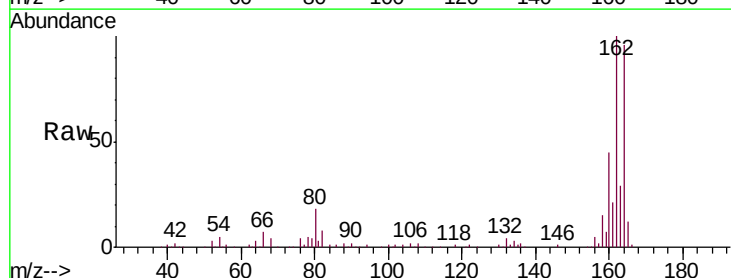
Ion Ratio Lower Upper

165 100

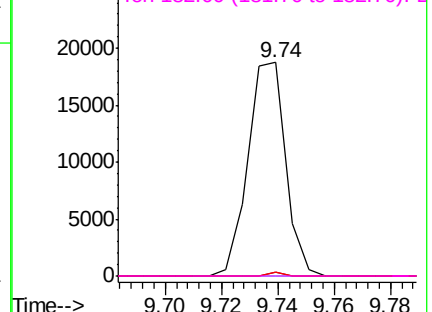
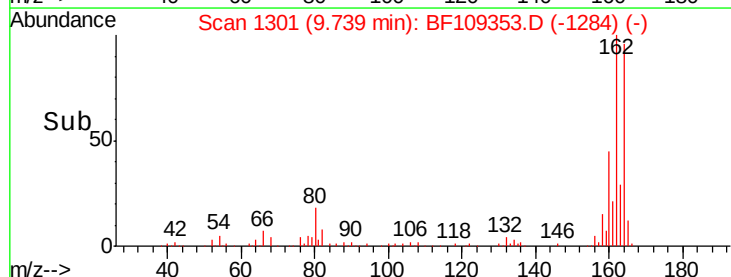
63 1.7 36.4 54.6#

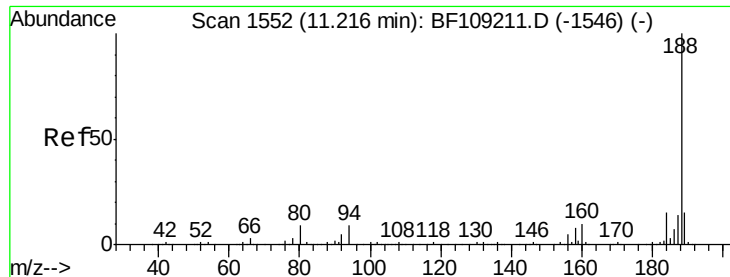
89 1.6 57.8 86.6#

182 0.0 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

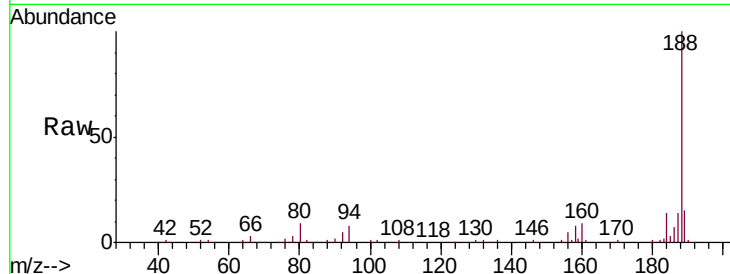




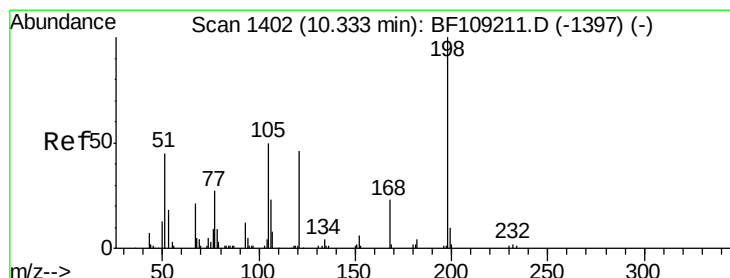
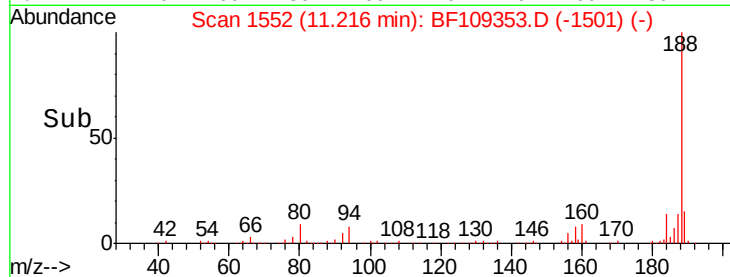
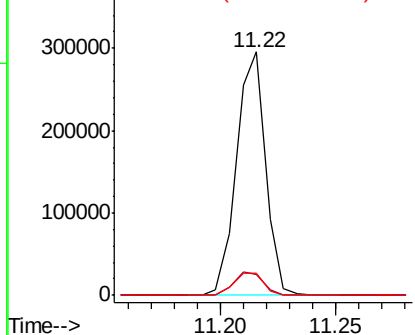
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109353.D
 Acq: 26 Sep 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	8.9	9.2	13.8#

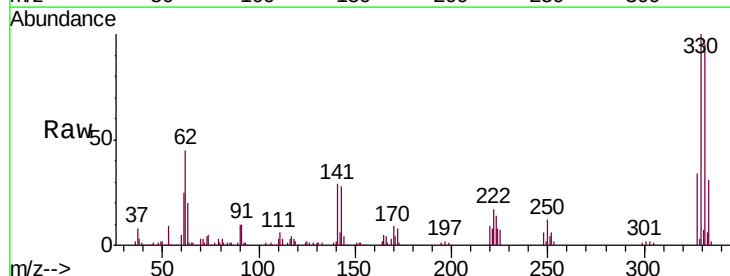


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

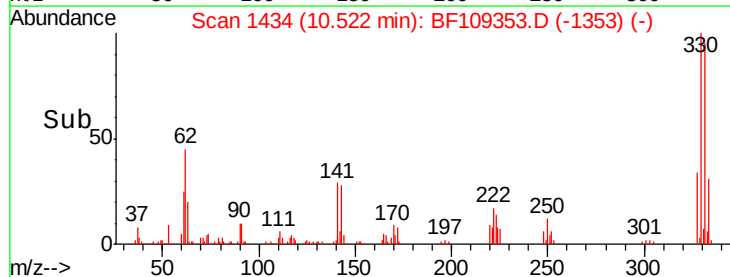
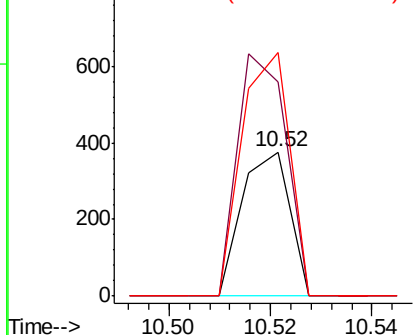


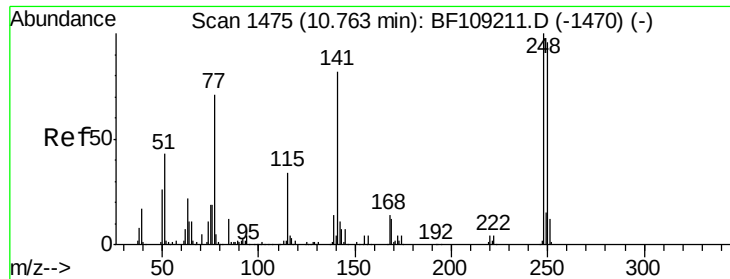
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.724 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109353.D
 Acq: 26 Sep 2018 22:33

Tgt Ion	Ratio	Lower	Upper
198	100		
51	148.4	37.7	77.7#
105	169.1	36.3	76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

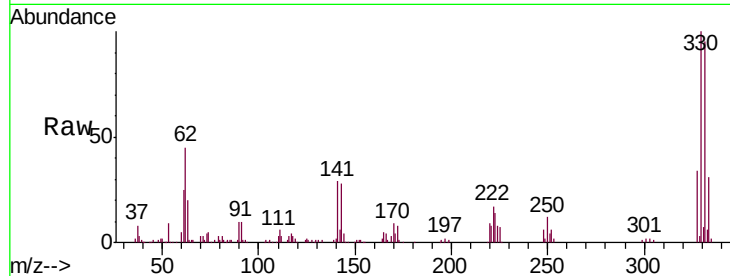




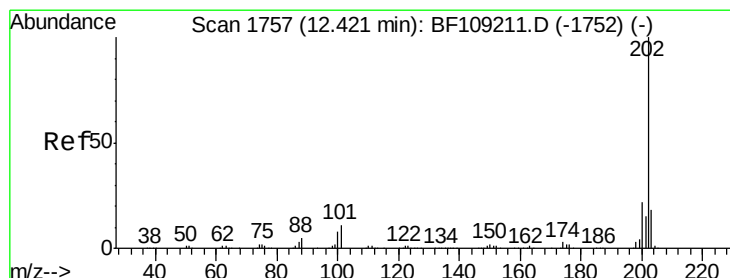
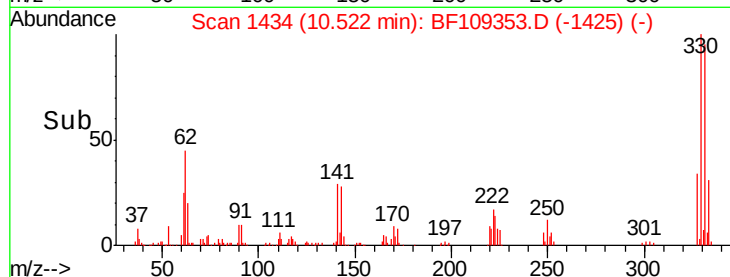
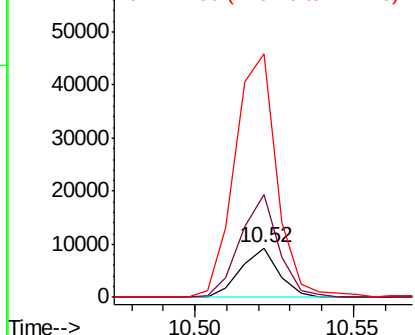
#66
4-Bromophenyl-phenylether
Concen: 2.663 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Instrument :
BNA_F
ClientSampleId :
TP-1-S

Tgt Ion:248 Resp: 7706
Ion Ratio Lower Upper
248 100
250 209.6 76.9 115.3#
141 495.2 74.4 111.6#

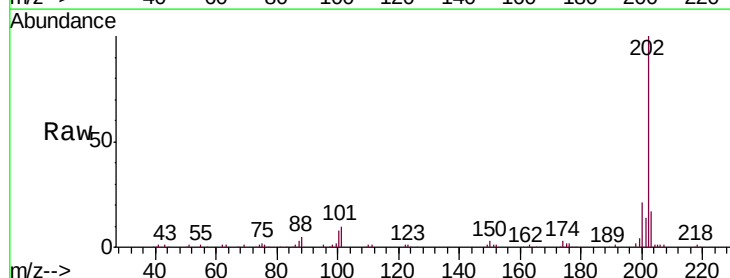


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

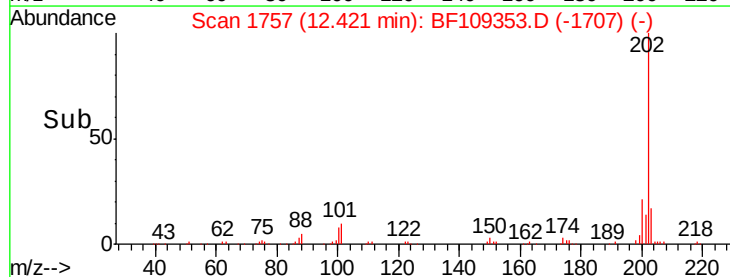
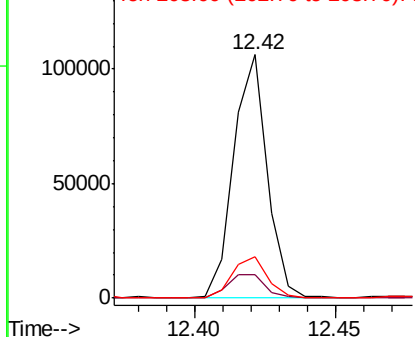


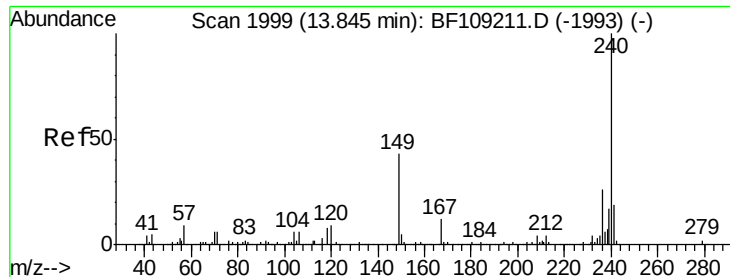
#74
Fluoranthene
Concen: 6.332 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Tgt Ion:202 Resp: 88032
Ion Ratio Lower Upper
202 100
101 9.9 0.0 34.1
203 17.0 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

Instrument :

BNA_F

ClientSampleId :

TP-1-S

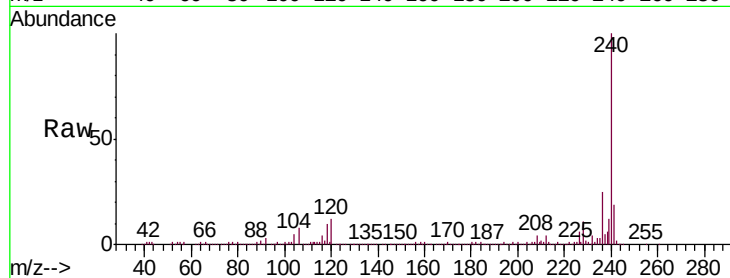
Tgt Ion:240 Resp: 277089

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

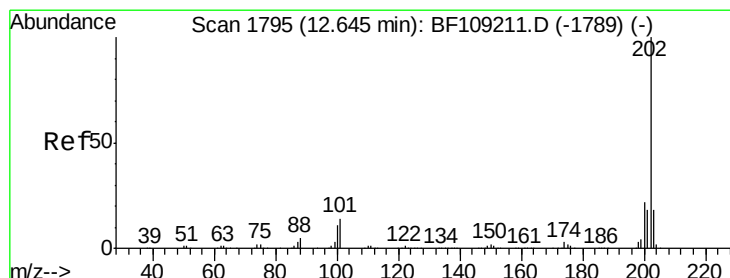
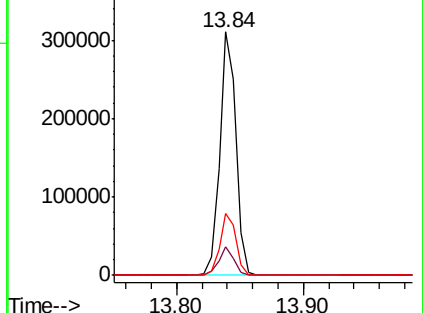
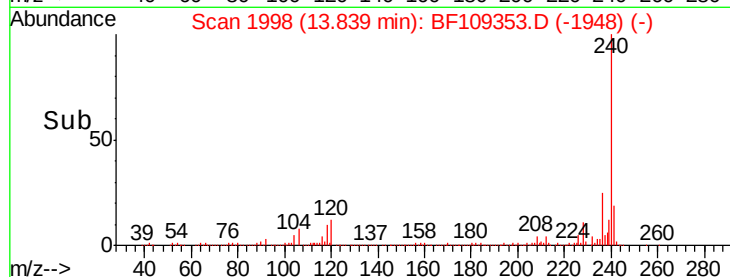
236 25.2 20.7 31.1



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: 6.350 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

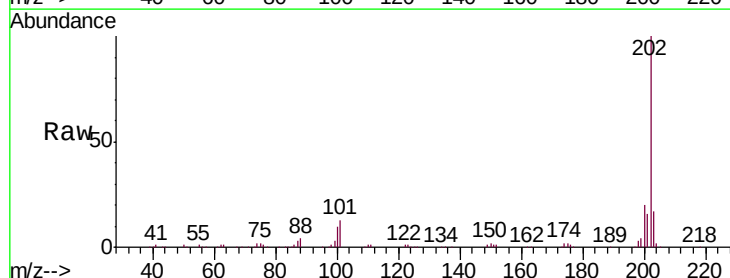
Tgt Ion:202 Resp: 126105

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

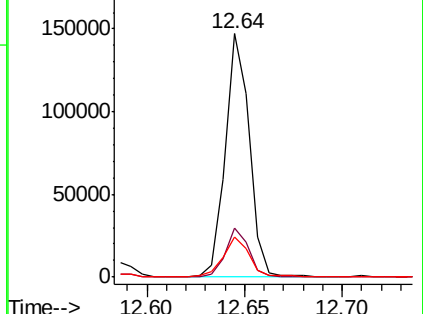
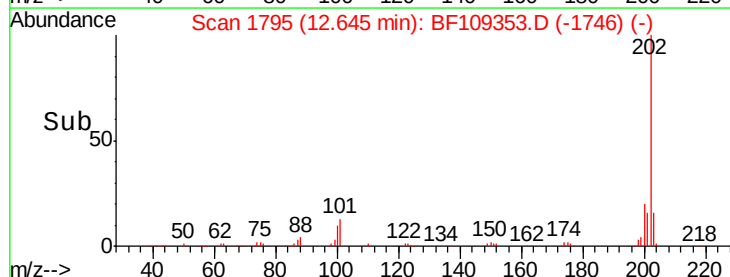
203 16.6 14.3 21.5

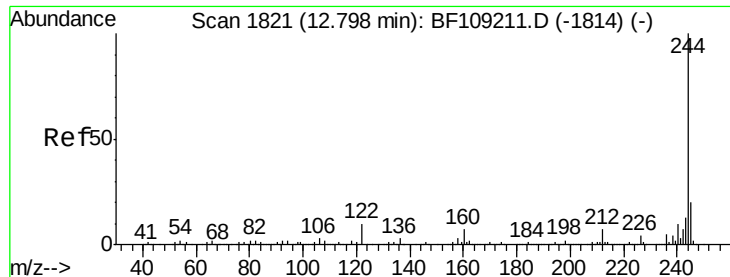


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

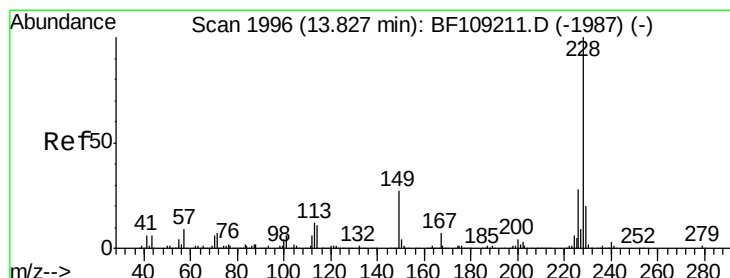
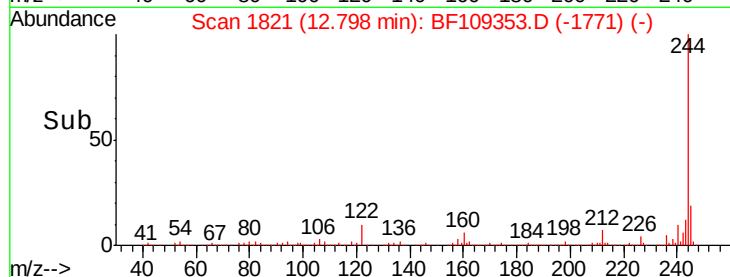
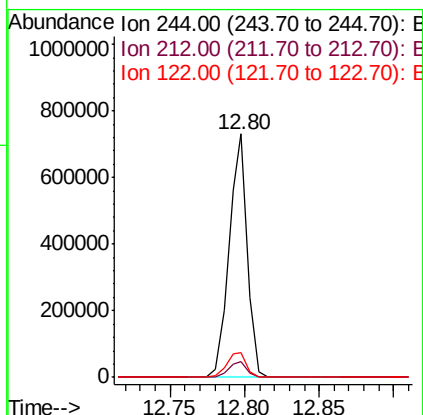
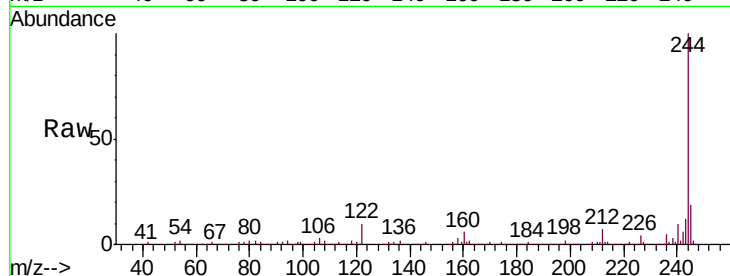




#78
 Terphenyl-d14
 Concen: 55.658 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109353.D
 Acq: 26 Sep 2018 22:33

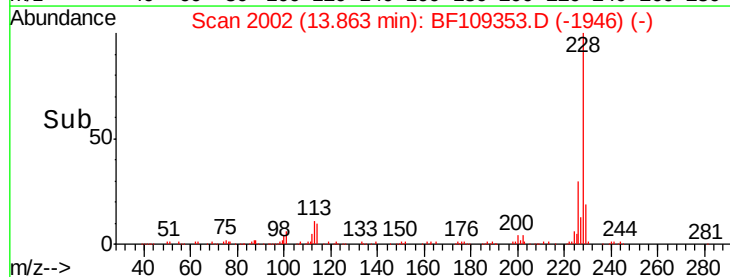
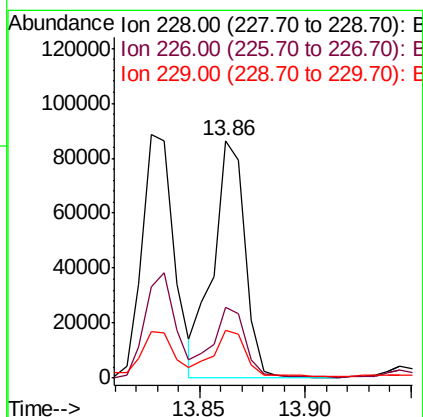
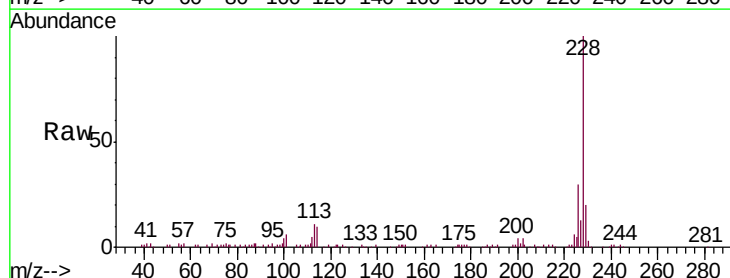
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

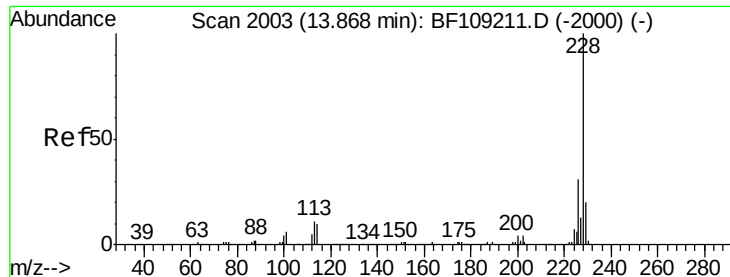
Tgt Ion:244 Resp: 628414
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.2 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.436 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.03 min
 Lab File: BF109353.D
 Acq: 26 Sep 2018 22:33

Tgt Ion:228 Resp: 90724
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.6 33.8
 229 19.9 15.8 23.6





#82

Chrysene

Concen: 5.484 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

Instrument :

BNA_F

ClientSampleId :

TP-1-S

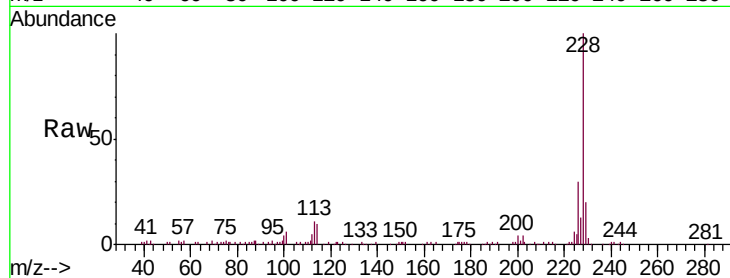
Tgt Ion:228 Resp: 90724

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

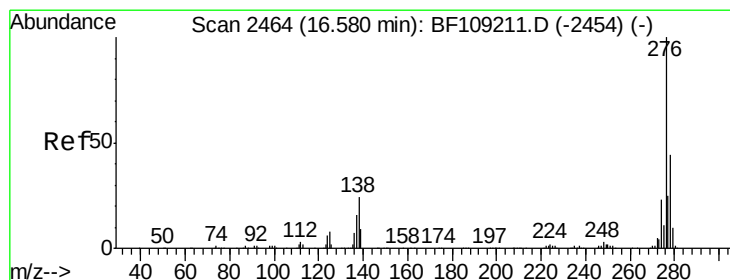
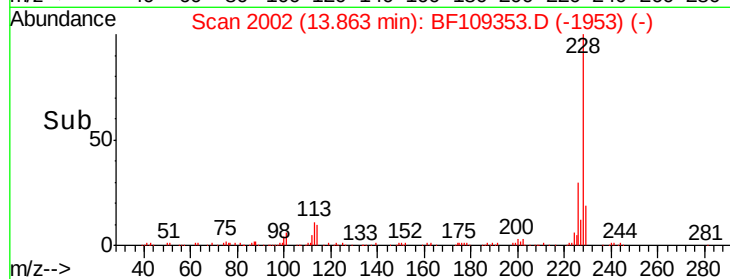
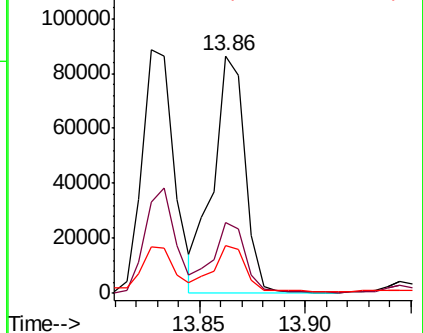
229 19.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.639 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BF109353.D

Acq: 26 Sep 2018 22:33

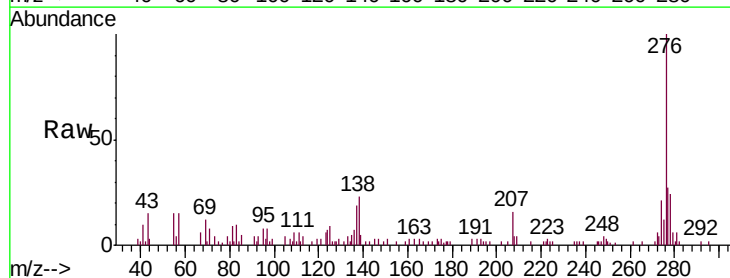
Tgt Ion:276 Resp: 35387

Ion Ratio Lower Upper

276 100

138 25.2 25.0 37.6

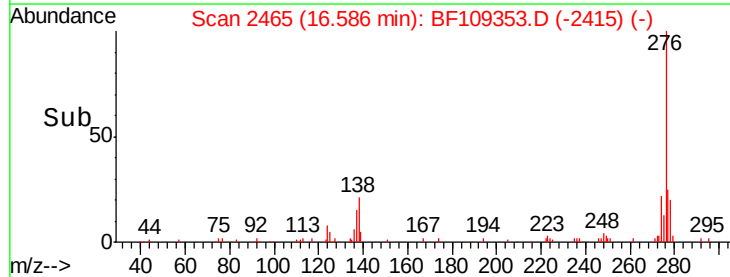
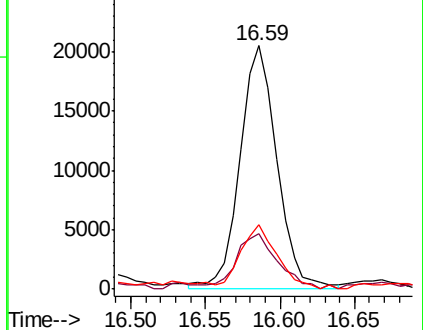
277 26.2 20.1 30.1

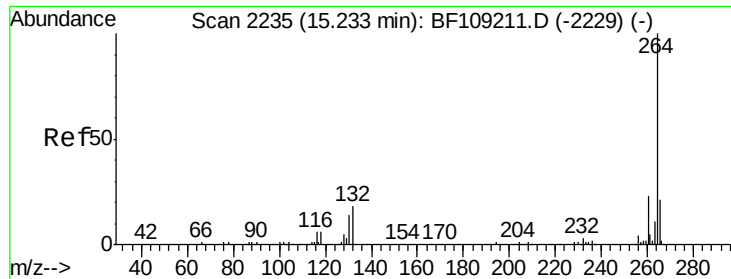


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



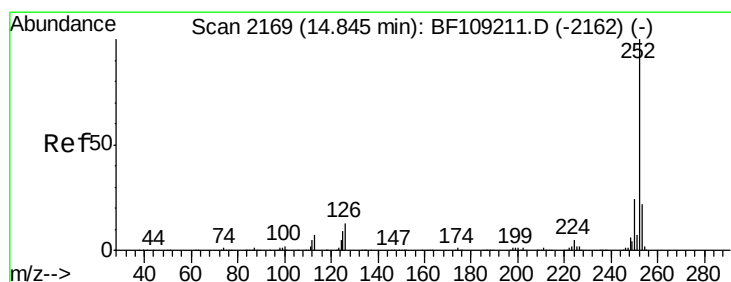
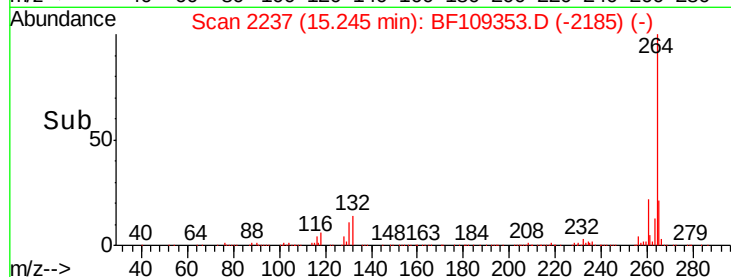
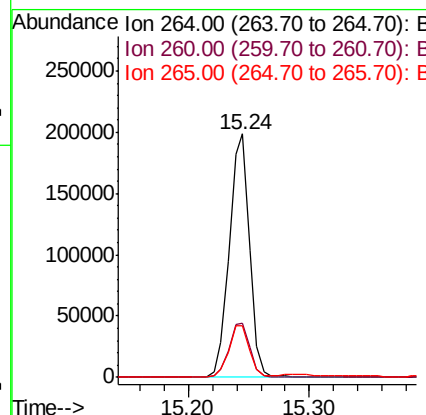
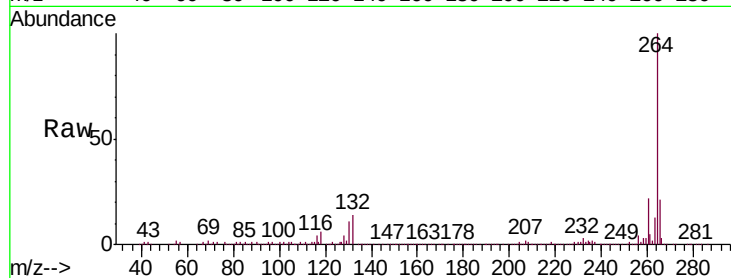


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Instrument :
BNA_F
ClientSampled :
TP-1-S

Tgt Ion: 264 Resp: 229813

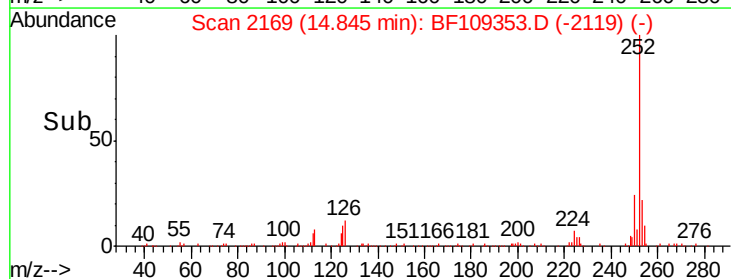
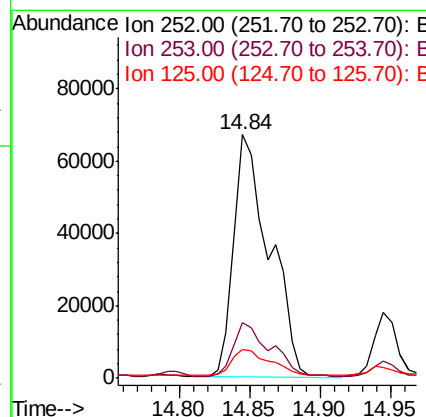
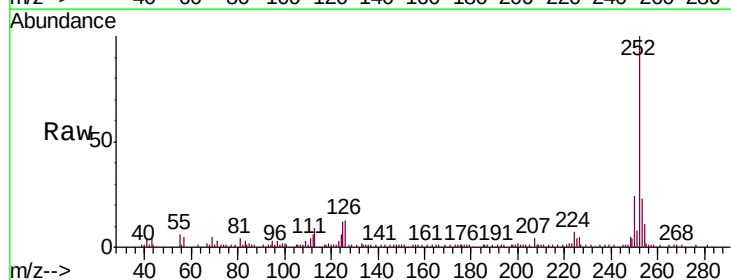
Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.4	17.5	26.3

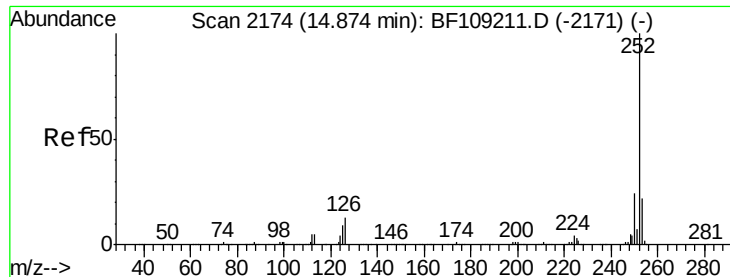


#87
Benzo(b)fluoranthene
Concen: 9.492 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Tgt Ion: 252 Resp: 119860

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	11.7	9.0	13.6

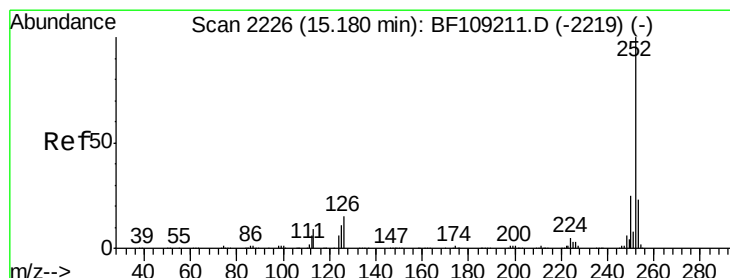
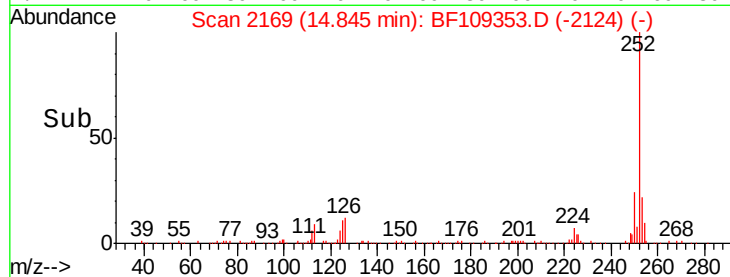
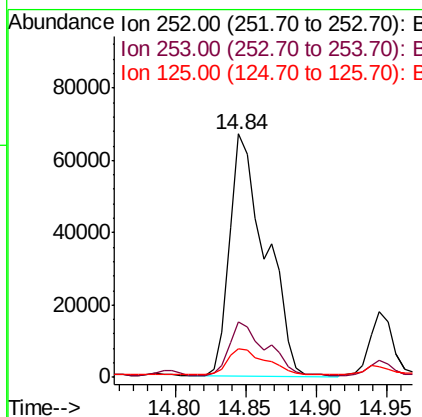
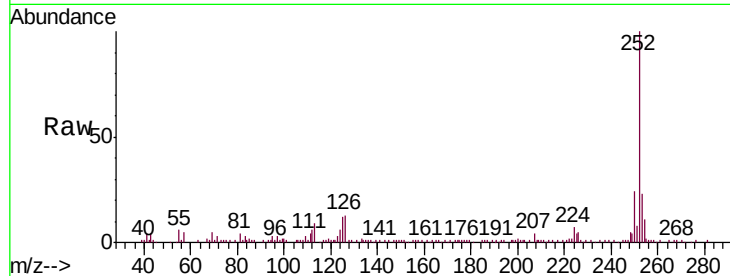




#88
Benzo(k)fluoranthene
Concen: 10.002 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

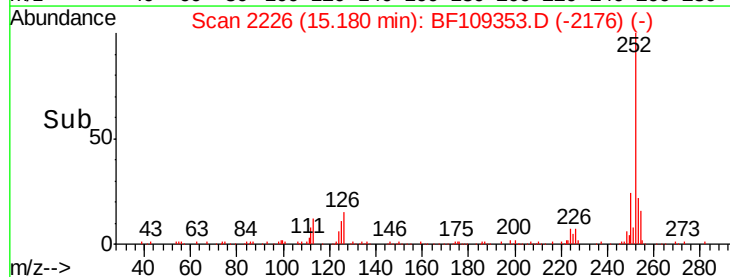
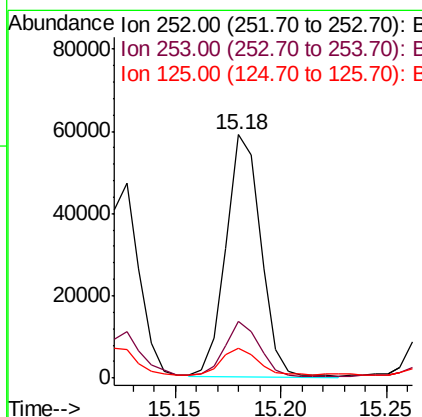
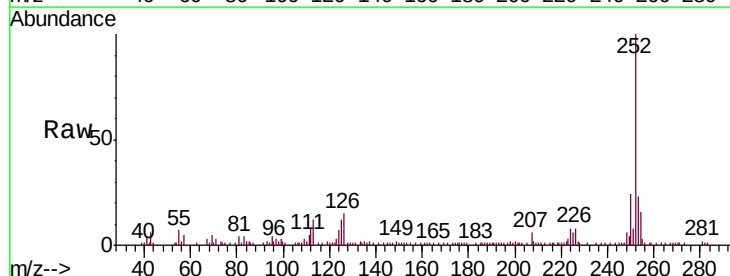
Instrument :
BNA_F
ClientSampleId :
TP-1-S

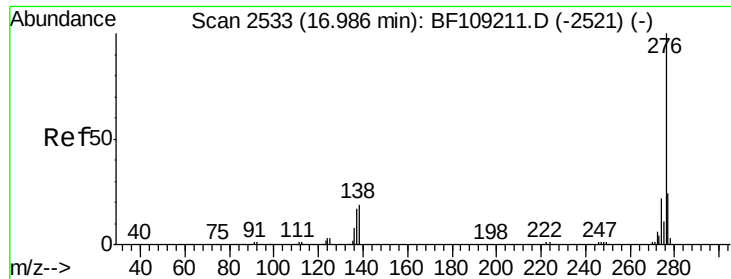
Tgt Ion:252 Resp: 119860
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 5.927 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109353.D
Acq: 26 Sep 2018 22:33

Tgt Ion:252 Resp: 67448
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 12.3 9.8 14.6





#91
 Benzo(g,h,i)perylene
 Concen: 4.061 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF109353.D
 Acq: 26 Sep 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Tgt Ion:	276	Resp:	37263
Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	23.5	21.8	32.8

