

Data File : BF109344.D
Acq On : 26 Sep 2018 18:37
Operator : JU/SJ
Sample : J4774-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-092418RE

Quant Time: Sep 27 05:38:51 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	6.70	152	116582	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	461411	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	219239	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	368635	20.00	ng	0.00
75) Chrysene-d12	13.84	240	306347	20.00	ng	0.00
86) Perylene-d12	15.24	264	300019	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	59586	8.42	ng	-0.01
7) Phenol-d6	6.33	99	79844	8.84	ng	-0.02
23) Nitrobenzene-d5	7.26	82	46319	5.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	17628	8.16	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	101489	6.98	ng	-0.01
78) Terphenyl-d14	12.79	244	80742	6.47	ng	-0.01

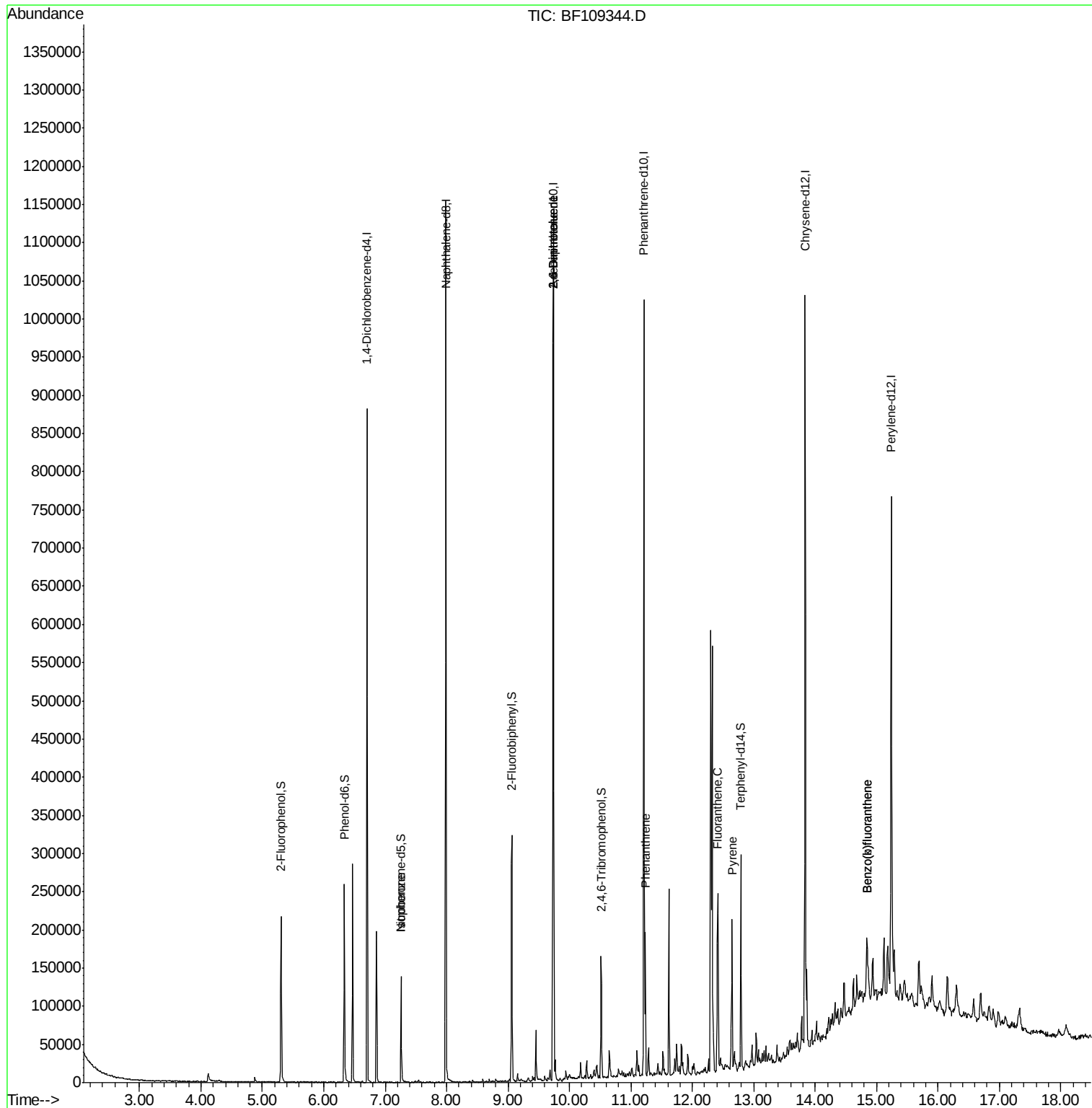
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	42492	3.019	ng	# 64
50) 2,6-Dinitrotoluene	9.74	165	28886	9.147	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	28886	7.229	ng	# 23
70) Phenanthrene	11.23	178	63809	3.467	ng	97
74) Fluoranthene	12.42	202	80031	4.069	ng	95
77) Pyrene	12.64	202	74466	3.392	ng	98
87) Benzo(b)fluoranthene	14.84	252	54987	3.335	ng	93
88) Benzo(k)fluoranthene	14.84	252	54987	3.515	ng	96

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

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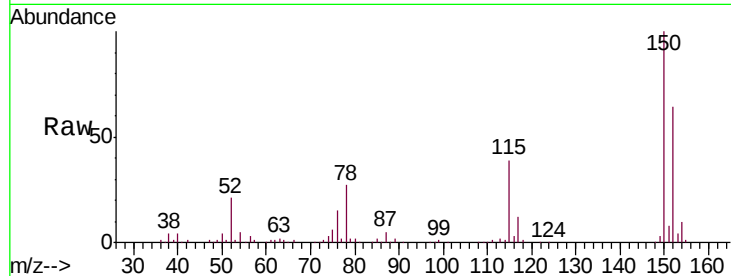




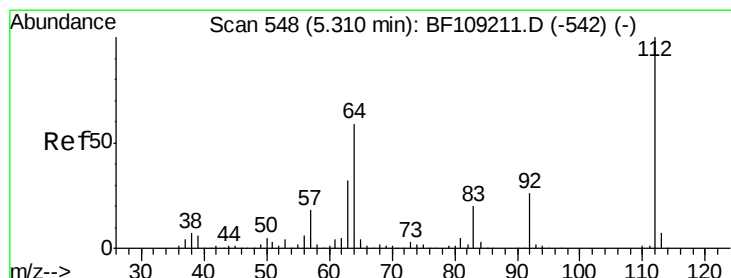
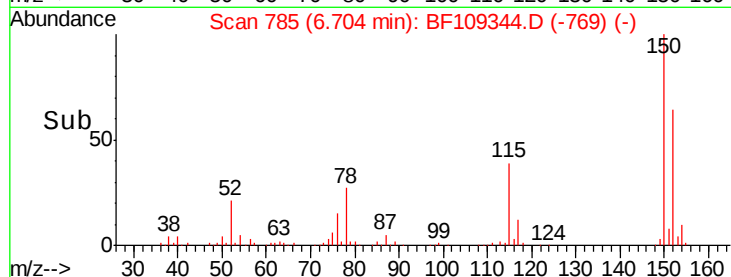
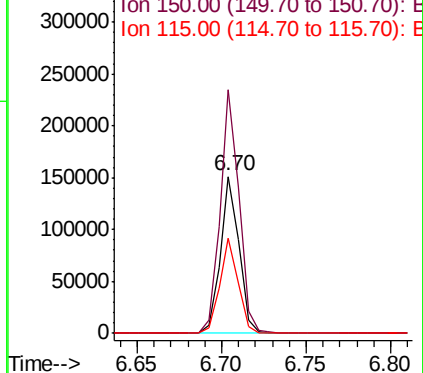
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-092418RE

Tgt Ion:152 Resp: 116582
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.6 186.8
 115 60.9 50.1 75.1

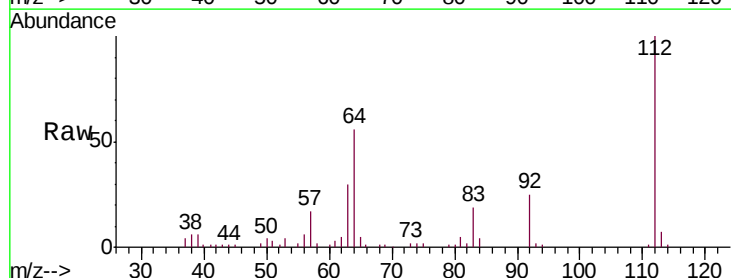


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

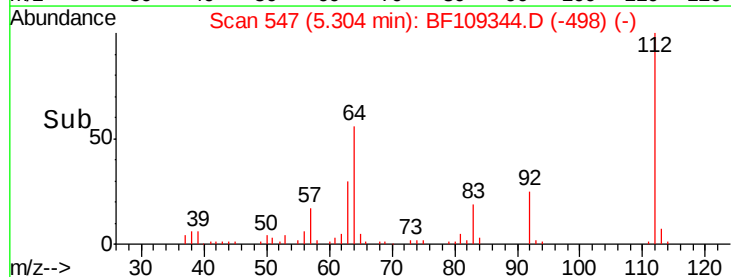
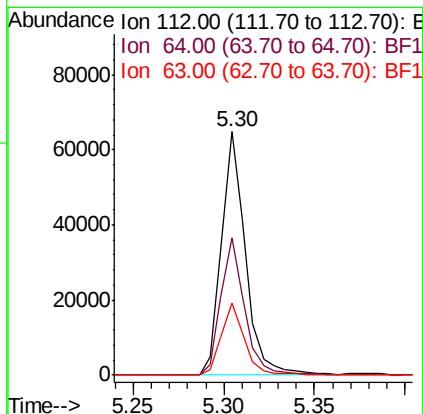


#5
 2-Fluorophenol
 Concen: 8.418 ng
 RT: 5.30 min Scan# 547
 Delta R.T. -0.01 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

Tgt Ion:112 Resp: 59586
 Ion Ratio Lower Upper
 112 100
 64 56.2 47.9 71.9
 63 29.7 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: 8.840 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF109344.D

Acq: 26 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

OK-03-092418RE

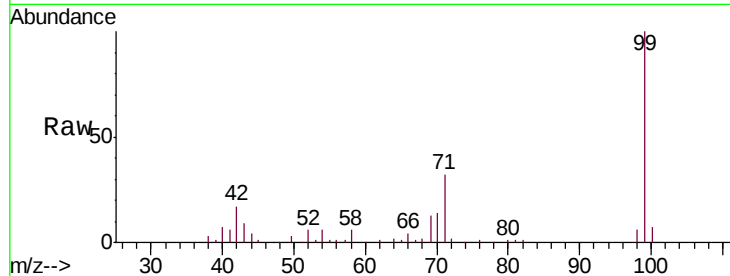
Tgt Ion: 99 Resp: 79844

Ion Ratio Lower Upper

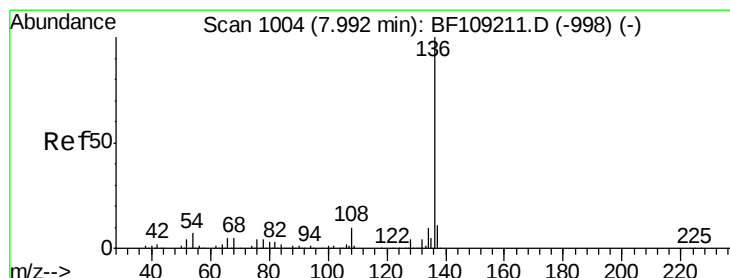
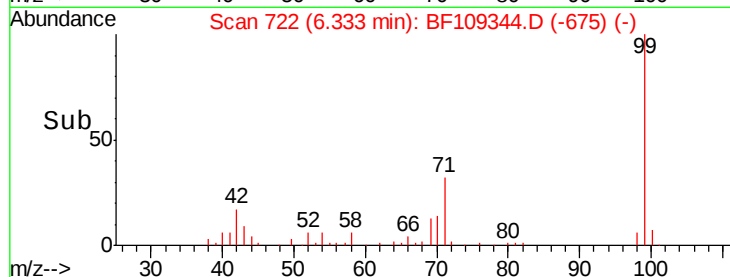
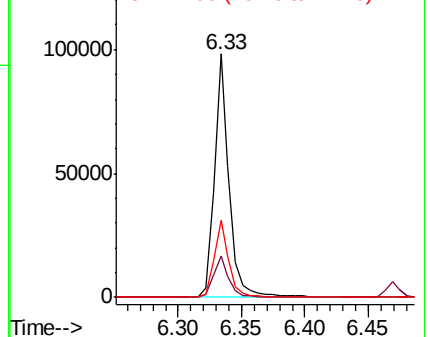
99 100

42 16.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109344.D

Acq: 26 Sep 2018 18:37

Tgt Ion: 136 Resp: 461411

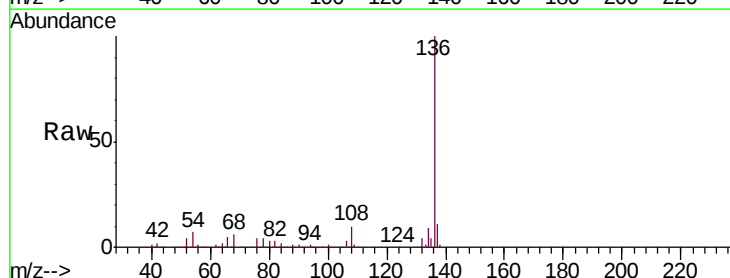
Ion Ratio Lower Upper

136 100

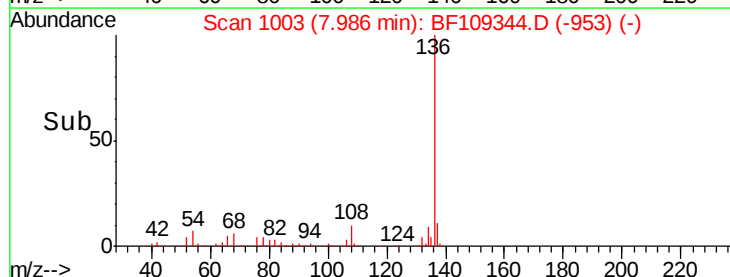
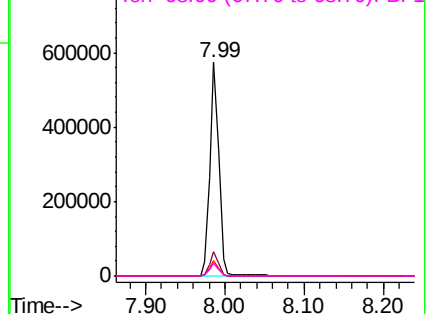
137 11.4 8.9 13.3

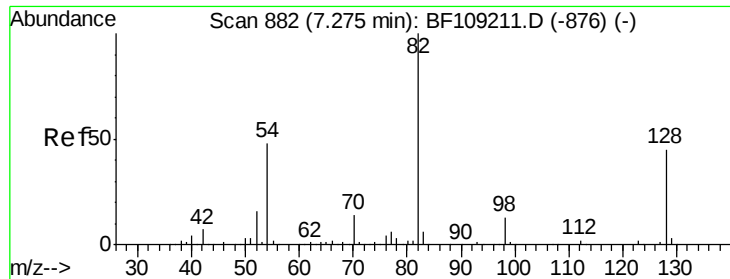
54 7.0 6.6 9.8

68 5.8 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

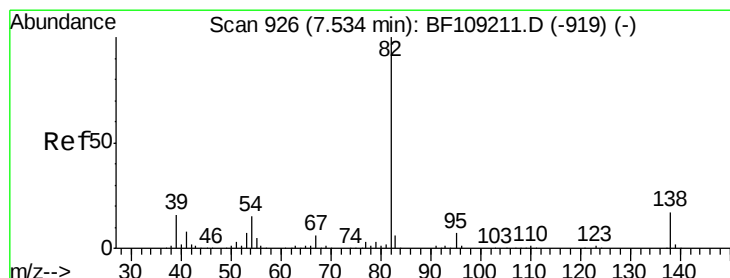
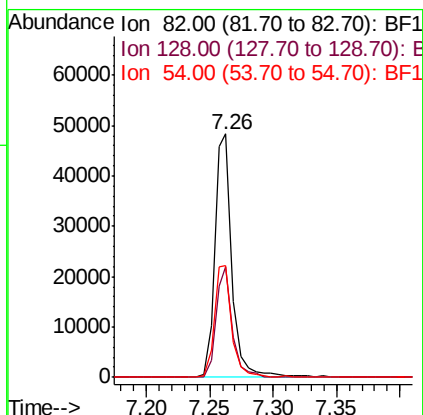
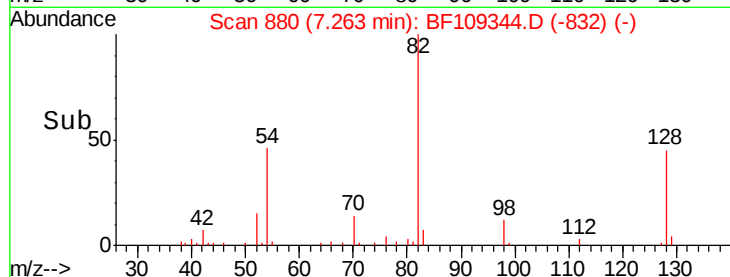
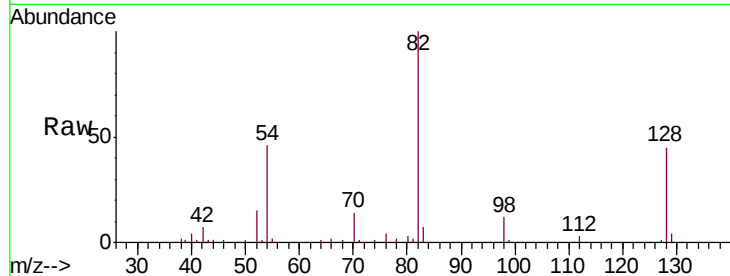




#23
 Nitrobenzene-d5
 Concen: 5.926 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

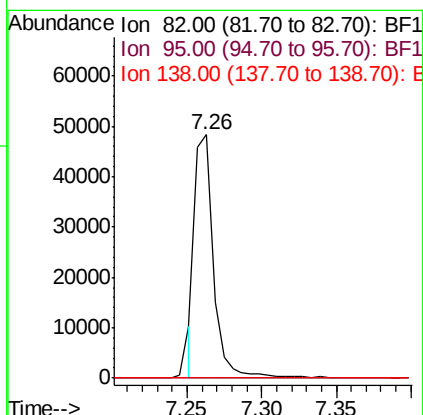
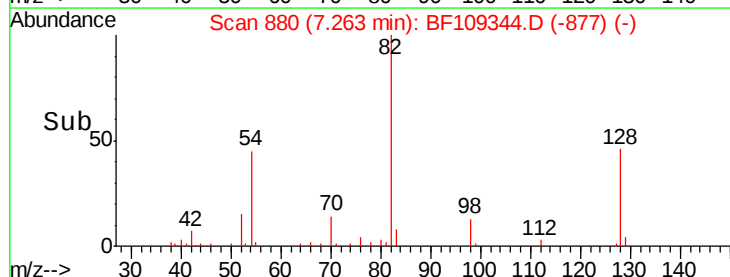
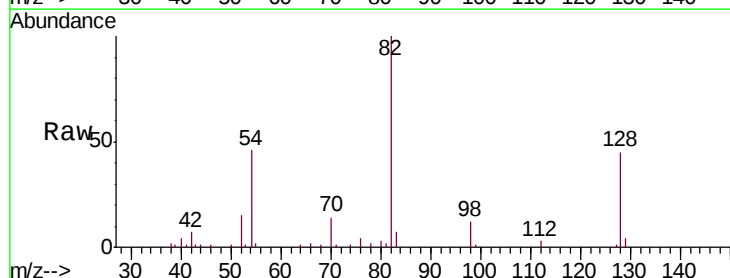
Instrument :
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 OK-03-092418RE

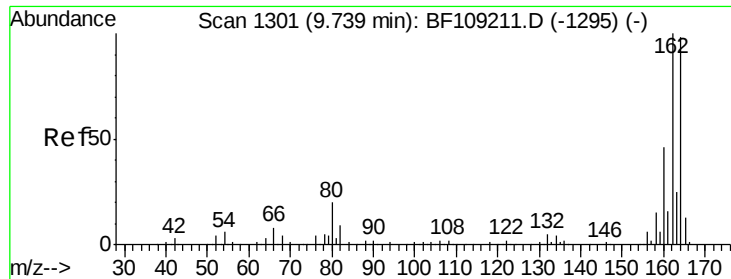
Tgt Ion: 82 Resp: 46319
 Ion Ratio Lower Upper
 82 100
 128 45.4 36.1 54.1
 54 45.7 41.4 62.2



#25
 Isophorone
 Concen: 3.019 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

Tgt Ion: 82 Resp: 42492
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

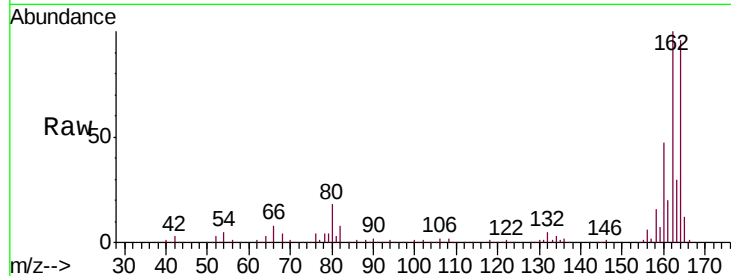




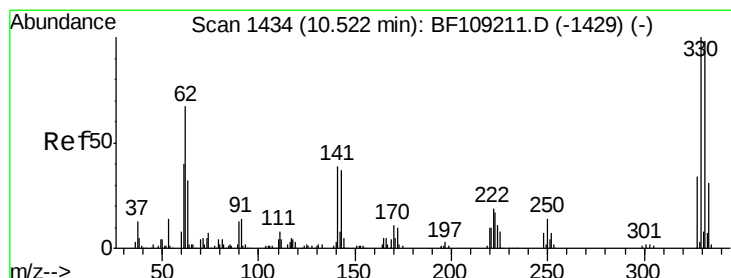
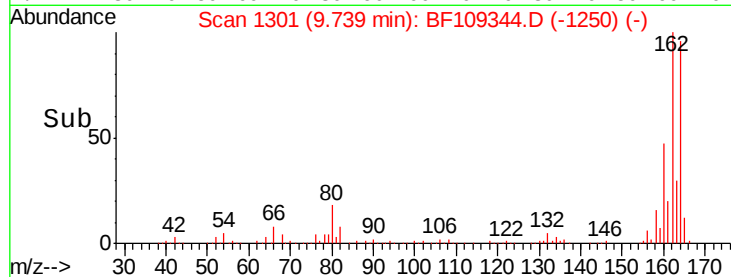
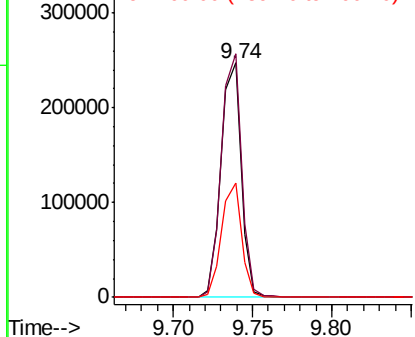
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109344.D
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Instrument :
 BNA_F
 ClientSampleId :
 OK-03-092418RE

Tgt Ion:164 Resp: 219239
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 48.7 38.3 57.5

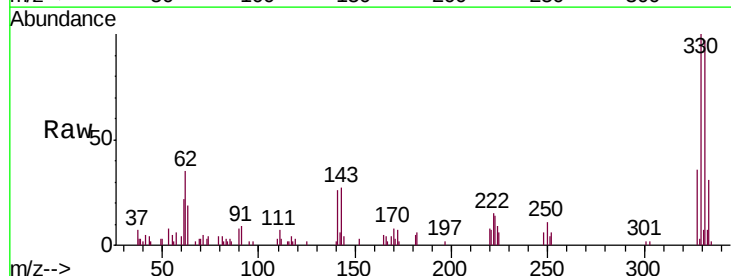


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

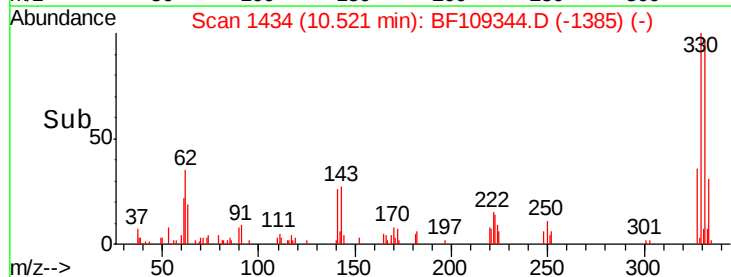
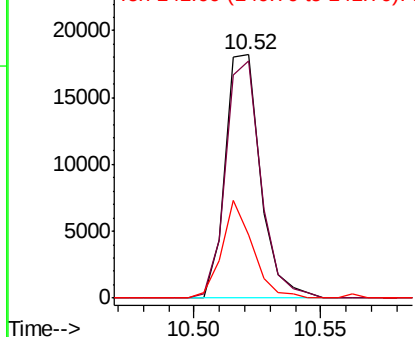


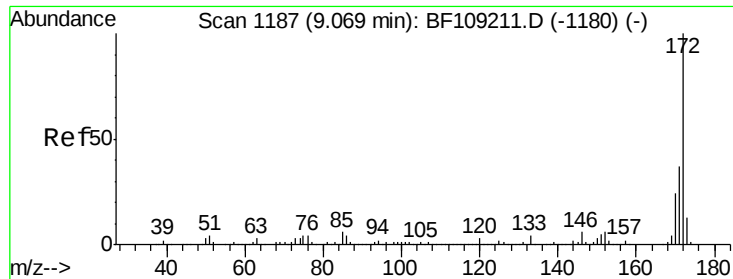
#41
 2,4,6-Tribromophenol
 Concen: 8.156 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

Tgt Ion:330 Resp: 17628
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.0 115.6
 141 34.8 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

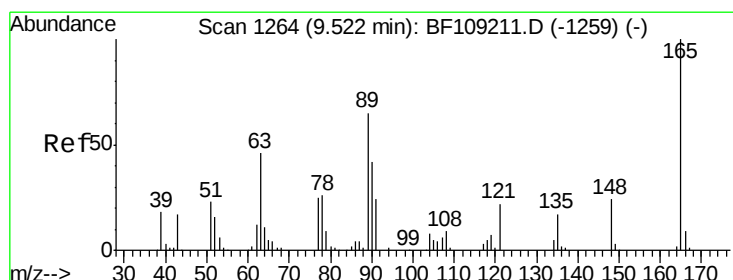
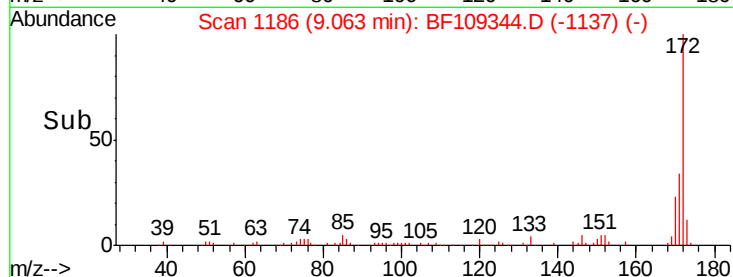
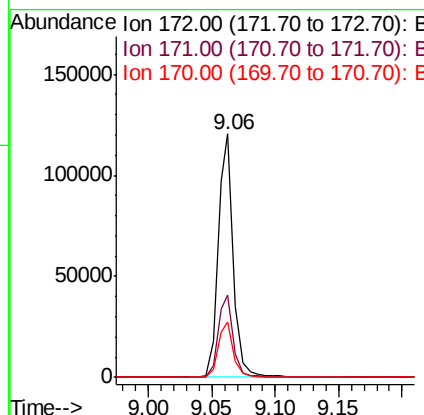
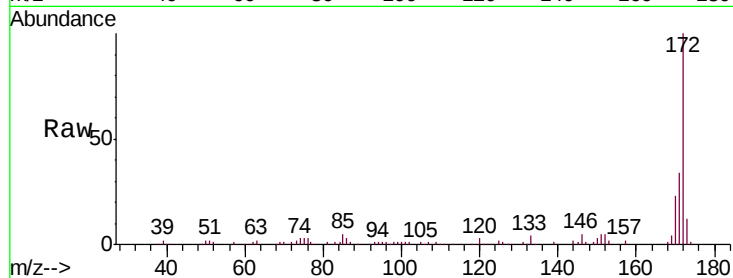




#44
 2-Fluorobiphenyl
 Concen: 6.982 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

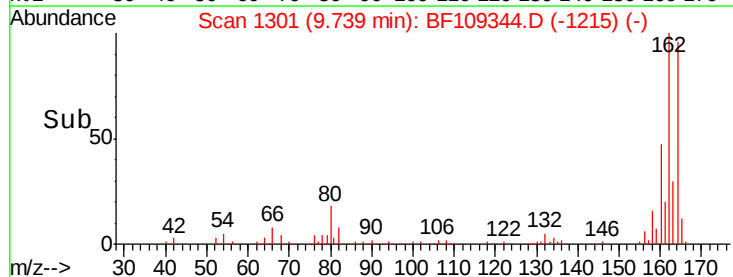
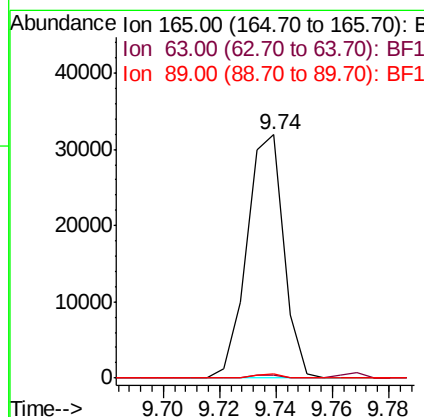
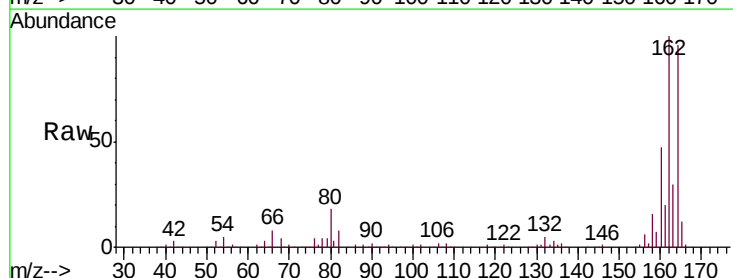
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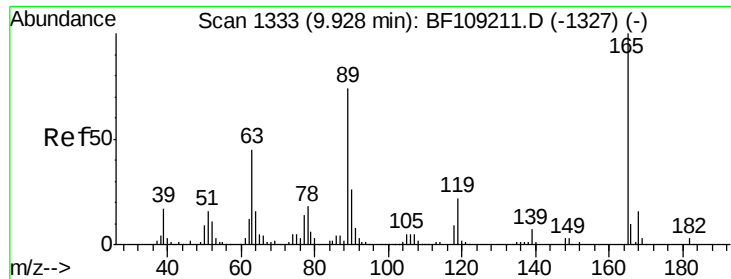
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.7	44.5
170	22.8	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 9.147 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.6	44.0	66.0#

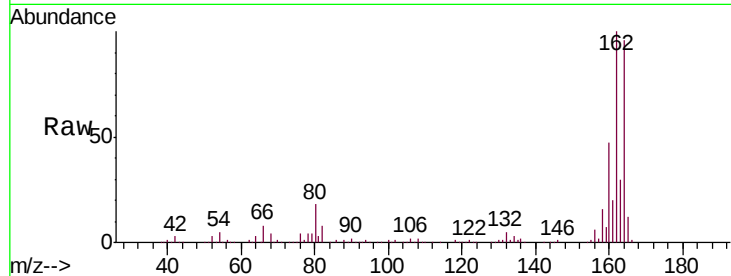




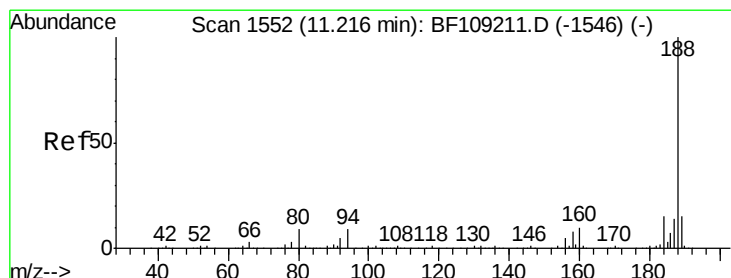
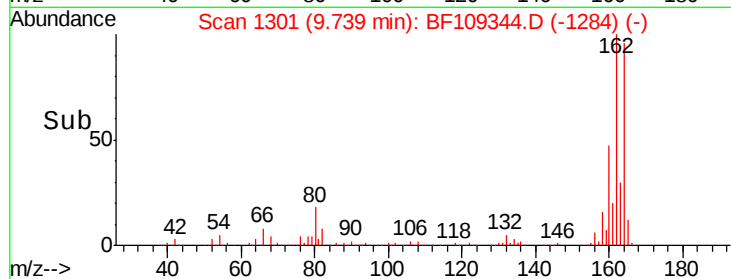
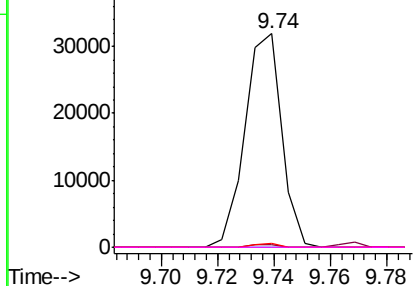
#56
2,4-Dinitrotoluene
Concen: 7.229 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.20 min
Lab File: BF109344.D
Acq: 26 Sep 2018 18:37

Instrument :
BNA_F
ClientSampleId :
OK-03-092418RE

Tgt Ion:	165	Resp:	28886
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

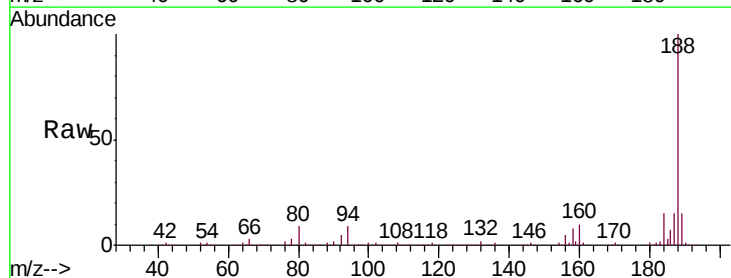


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

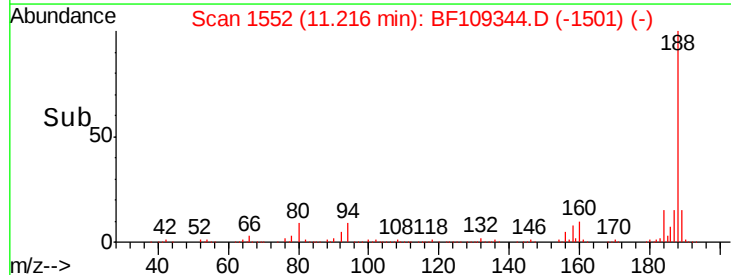
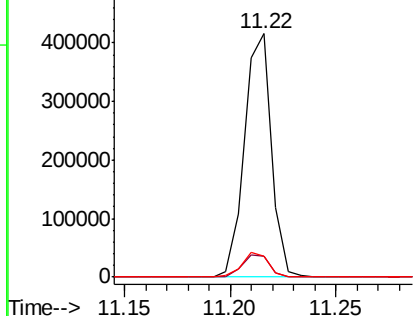


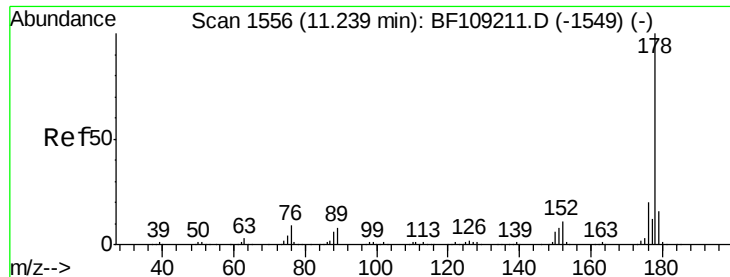
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109344.D
Acq: 26 Sep 2018 18:37

Tgt Ion:	188	Resp:	368635
Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	8.8	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





#70

Phenanthrene

Concen: 3.467 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109344.D

Acq: 26 Sep 2018 18:37

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OK-03-092418RE

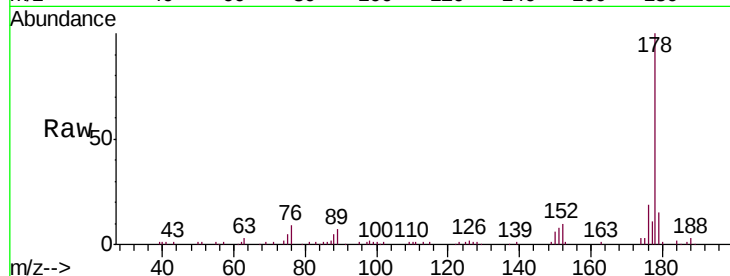
Tgt Ion:178 Resp: 63809

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

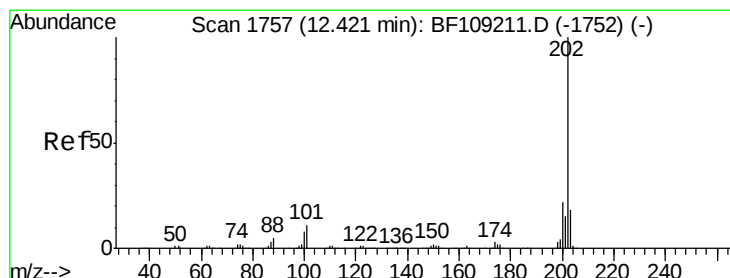
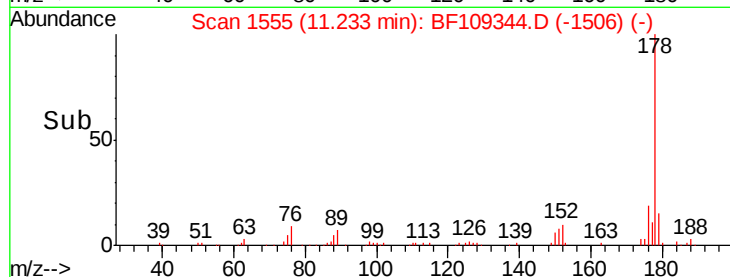
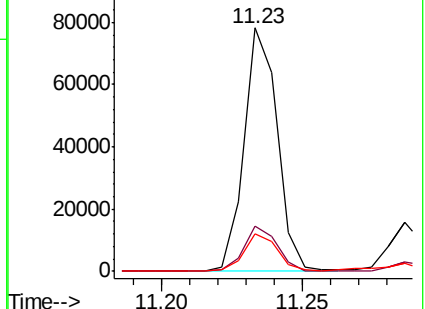
179 15.2 13.0 19.6



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: 4.069 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109344.D

Acq: 26 Sep 2018 18:37

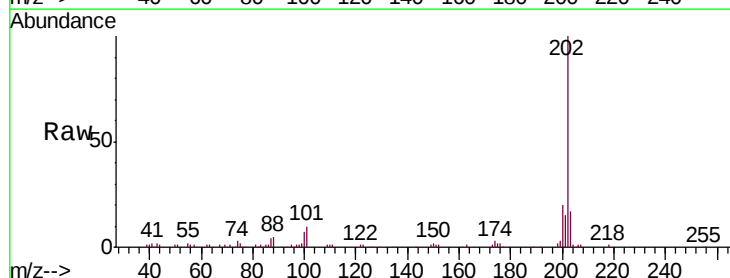
Tgt Ion:202 Resp: 80031

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.1

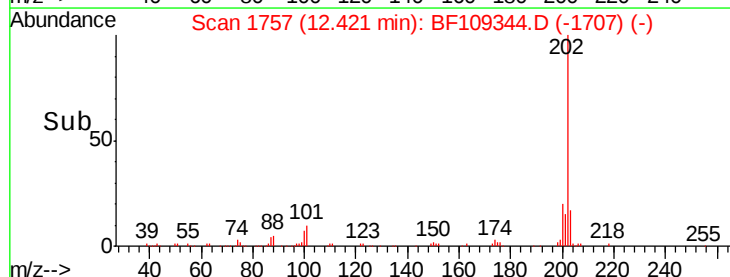
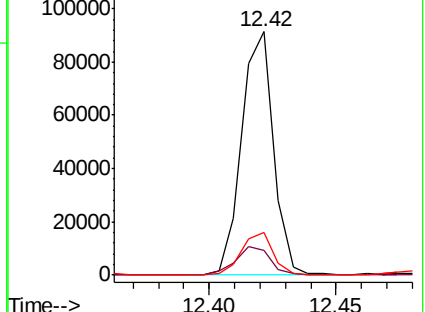
203 17.3 0.0 38.1

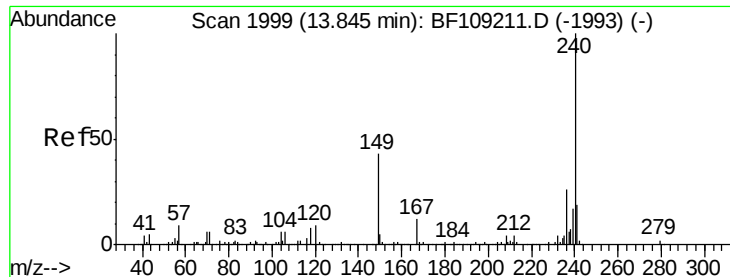


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF109344.D

Acq: 26 Sep 2018 18:37

Instrument :

BNA_F

ClientSampleId :

OK-03-092418RE

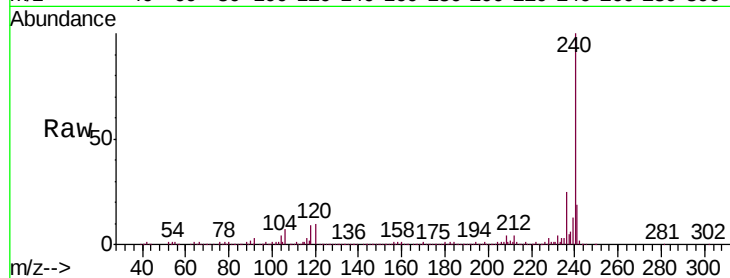
Tgt Ion:240 Resp: 306347

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

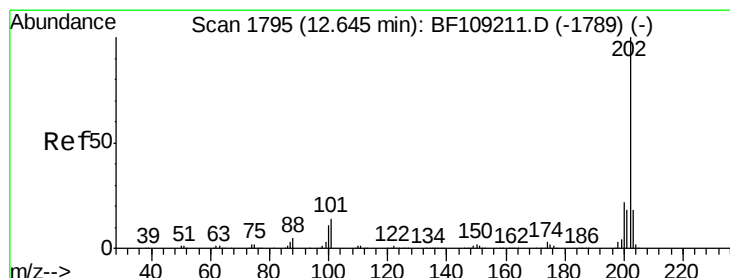
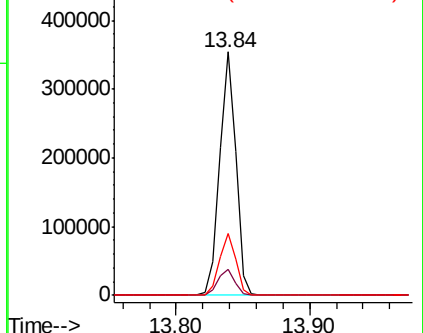
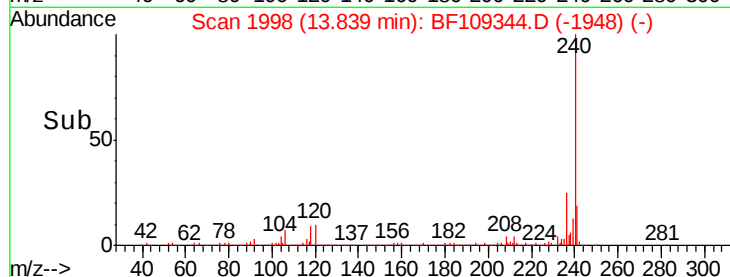
236 25.4 20.7 31.1



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: 3.392 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109344.D

Acq: 26 Sep 2018 18:37

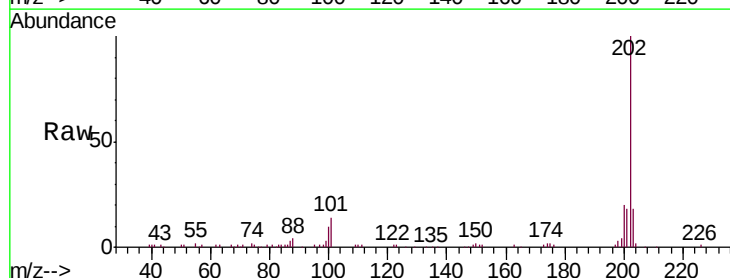
Tgt Ion:202 Resp: 74466

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

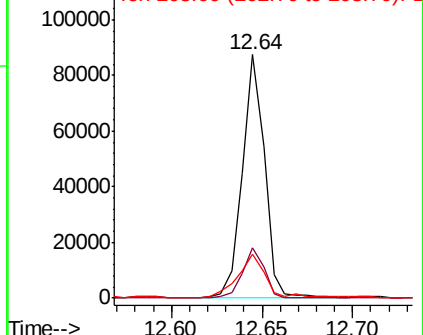
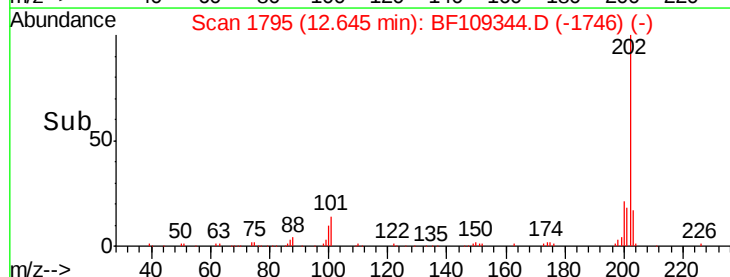
203 17.8 14.3 21.5

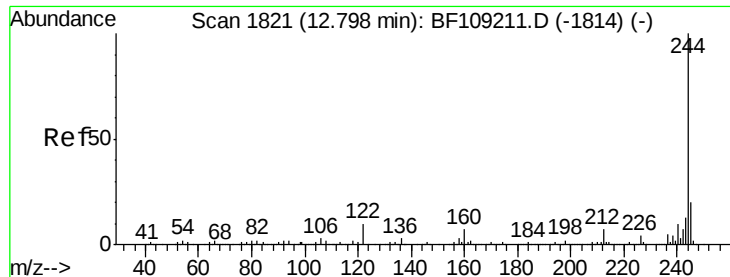


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

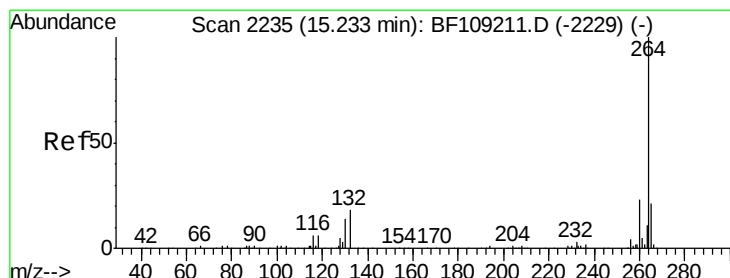
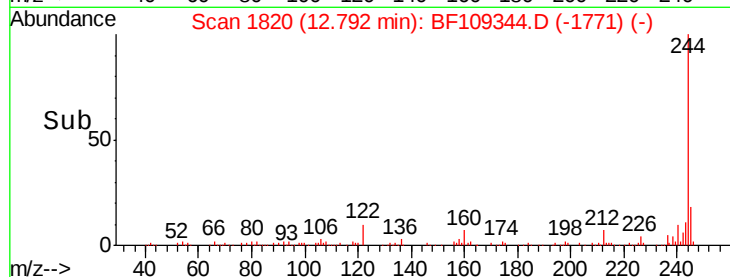
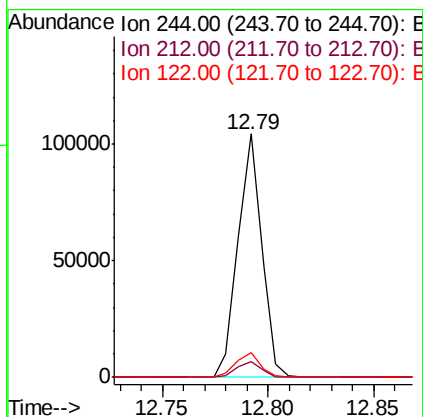
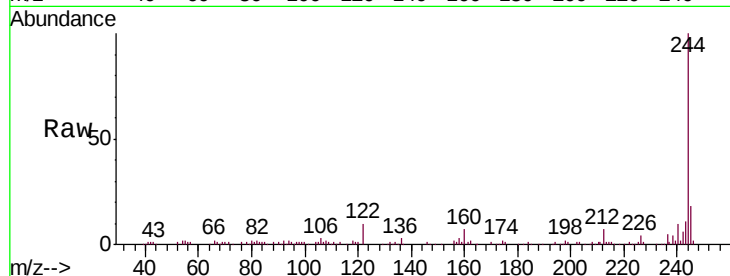




#78
 Terphenyl-d14
 Concen: 6.468 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

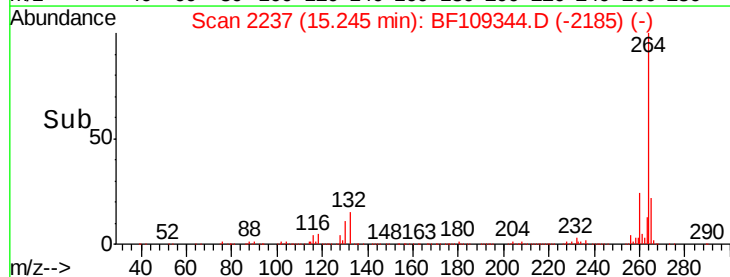
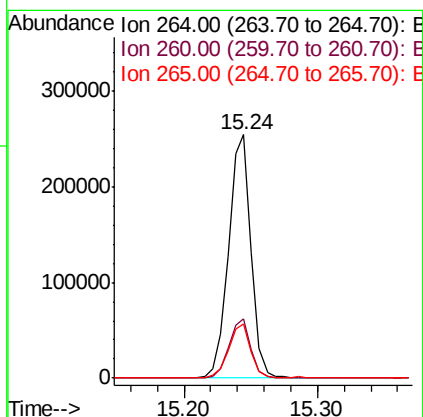
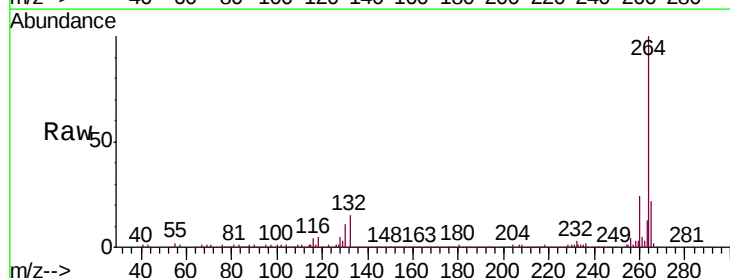
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-092418RE

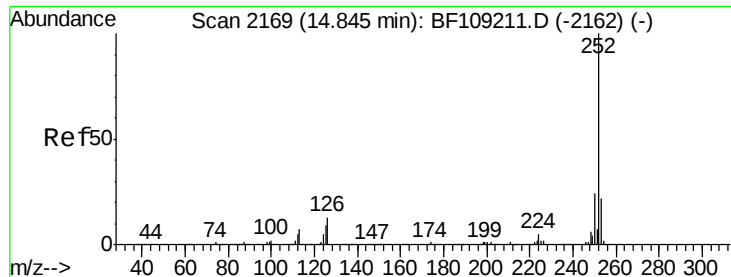
Tgt Ion: 244 Resp: 80742
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.3 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109344.D
 Acq: 26 Sep 2018 18:37

Tgt Ion: 264 Resp: 300019
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 22.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.335 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109344.D

Acq: 26 Sep 2018 18:37

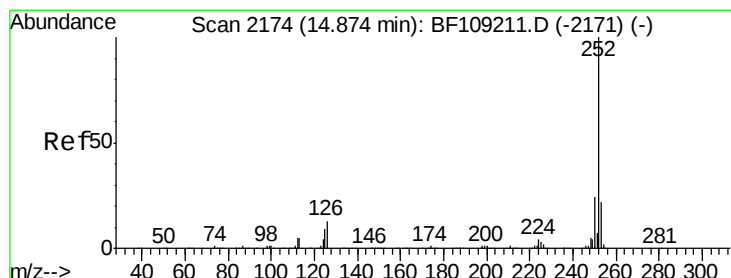
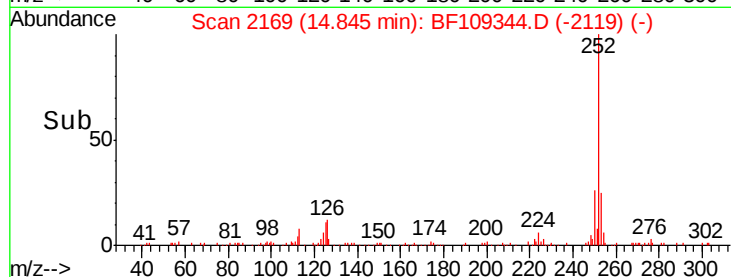
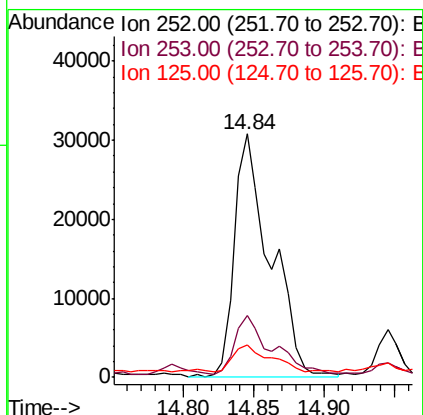
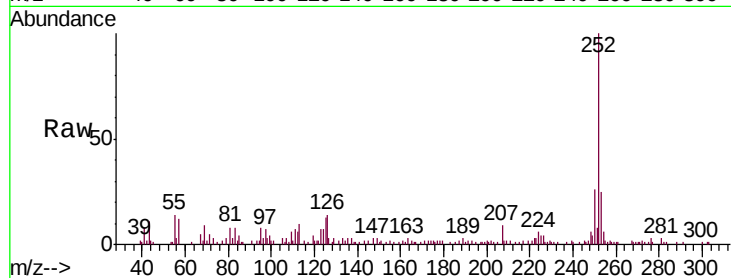
Instrument :

BNA_F

ClientSampleId :

OK-03-092418RE

Tgt Ion:	252	Resp:	54987
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.0	25.6
125	13.2	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 3.515 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109344.D

Acq: 26 Sep 2018 18:37

Tgt Ion:	252	Resp:	54987
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	13.2	10.2	15.2

