

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100318\
 Data File : BF109556.D
 Acq On : 3 Oct 2018 19:37
 Operator : JU/SJ
 Sample : J5218-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 293-230

Quant Time: Oct 04 02:18:42 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	78121	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	280269	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	114993	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	232233	20.00	ng	0.00
75) Chrysene-d12	13.84	240	202359	20.00	ng	0.00
86) Perylene-d12	15.24	264	134189	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	86580	18.25	ng	0.00
7) Phenol-d6	6.35	99	124293	20.54	ng	-0.01
23) Nitrobenzene-d5	7.26	82	67833	14.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	26150	23.07	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	126015	16.53	ng	-0.02
78) Terphenyl-d14	12.79	244	139281	16.89	ng	-0.01

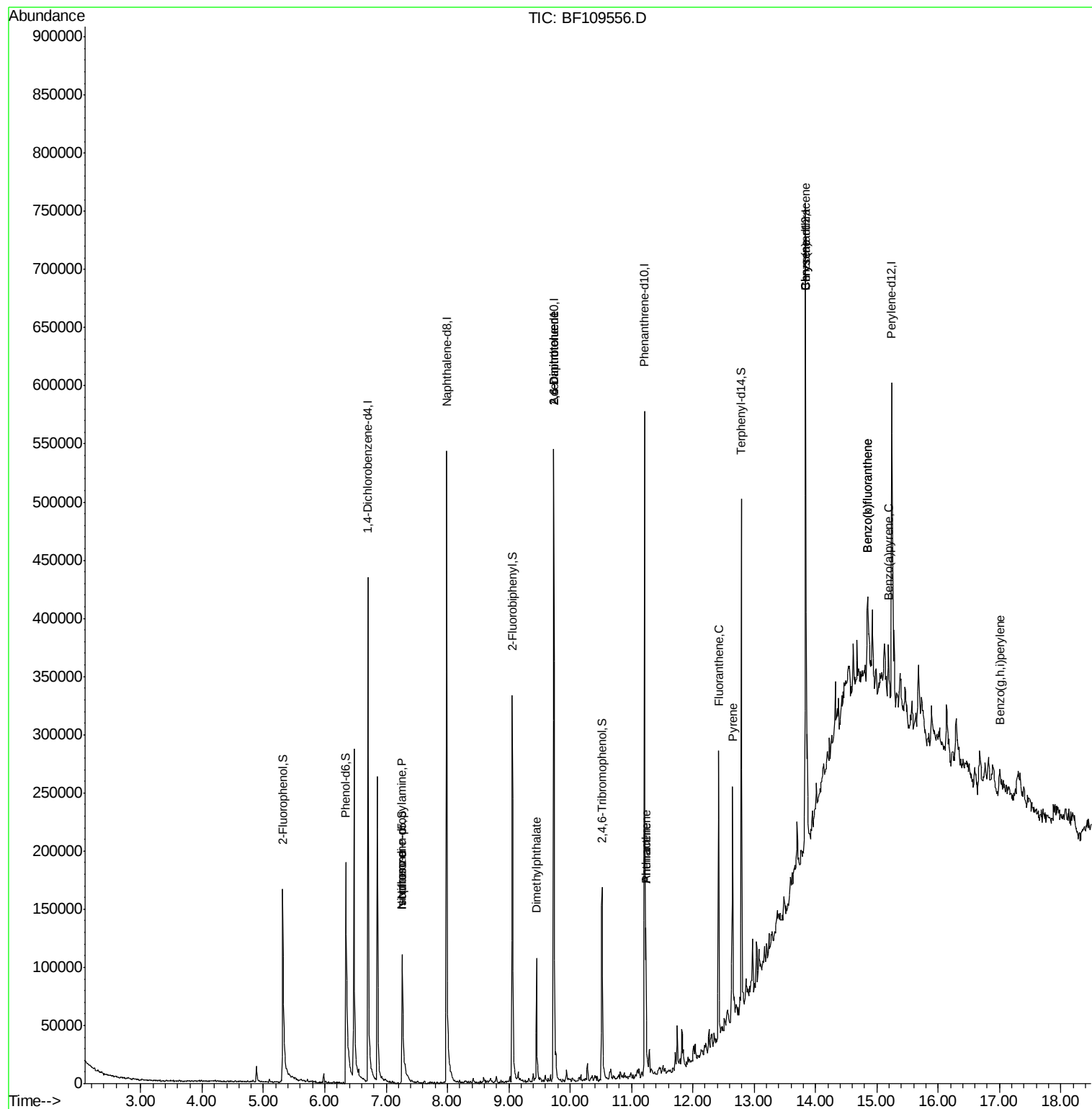
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	9036	2.278	ng	# 77
25) Isophorone	7.26	82	59641	6.976	ng	# 64
49) Dimethylphthalate	9.45	163	43269	5.173	ng	99
50) 2,6-Dinitrotoluene	9.73	165	14725	8.889	ng	# 24
56) 2,4-Dinitrotoluene	9.73	165	14725	7.026	ng	# 21
70) Phenanthrene	11.23	178	43145	3.721	ng	98
71) Anthracene	11.23	178	43145	3.669	ng	99
74) Fluoranthene	12.42	202	103332	8.339	ng	95
77) Pyrene	12.65	202	91552	6.313	ng	98
80) Benzo(a)anthracene	13.83	228	35886	2.944	ng	96
82) Chrysene	13.83	228	35886	2.970	ng	96
87) Benzo(b)fluoranthene	14.85	252	42859	5.813	ng	# 83
88) Benzo(k)fluoranthene	14.85	252	42859	6.125	ng	# 86
89) Benzo(a)pyrene	15.19	252	18989	2.858	ng	# 78
91) Benzo(g,h,i)perylene	17.01	276	11936	2.228	ng	# 83

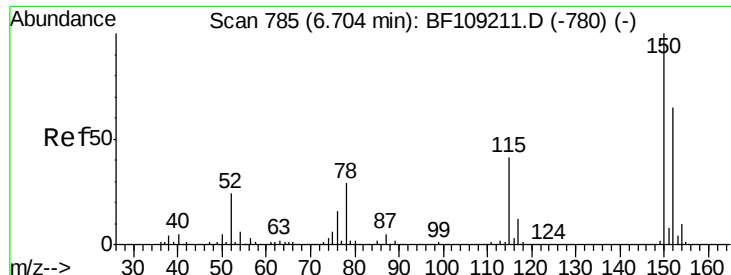
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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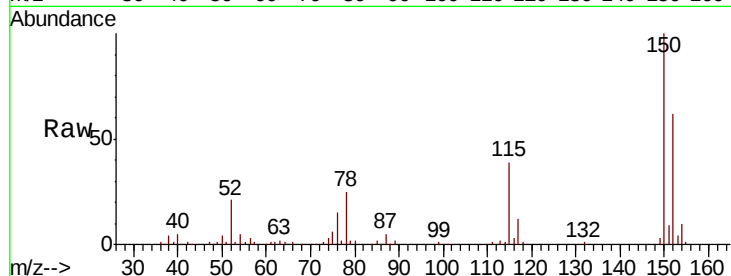




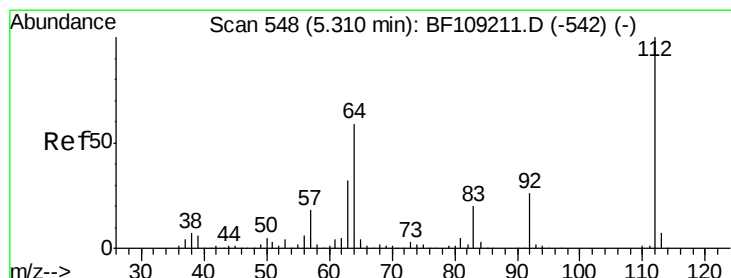
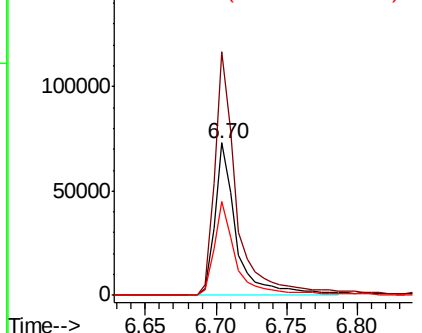
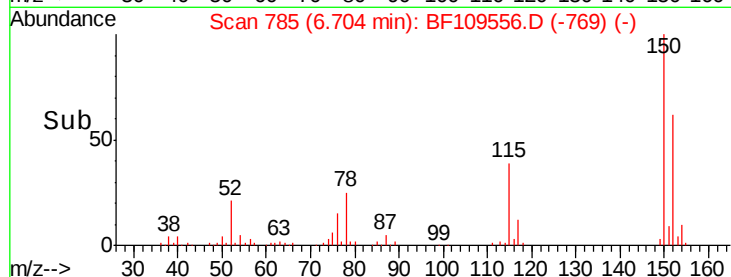
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

Instrument :
 BNA_F
 ClientSampleId :
 293-230

Tgt Ion:152 Resp: 78121
 Ion Ratio Lower Upper
 152 100
 150 160.1 124.6 186.8
 115 62.0 50.1 75.1

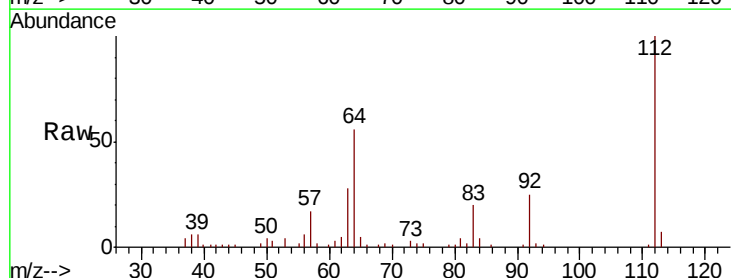


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

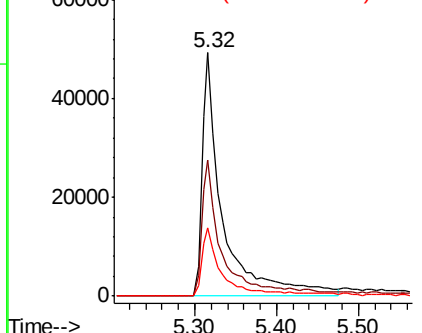
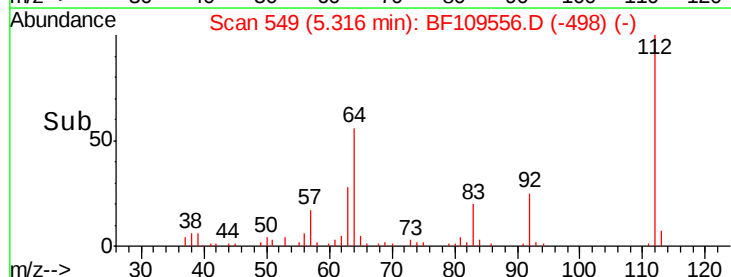


#5
 2-Fluorophenol
 Concen: 18.254 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

Tgt Ion:112 Resp: 86580
 Ion Ratio Lower Upper
 112 100
 64 56.0 47.9 71.9
 63 28.1 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

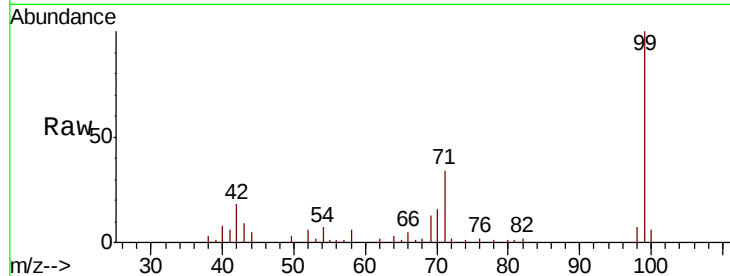




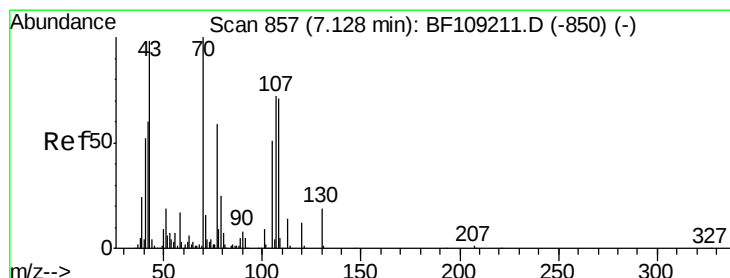
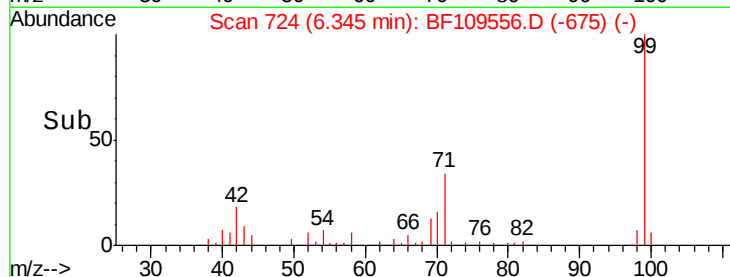
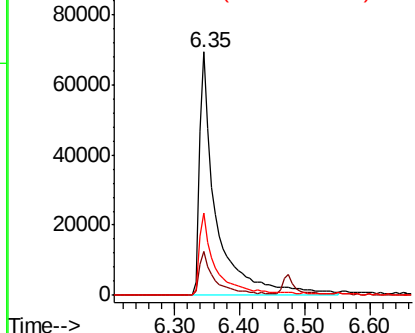
#7
 Phenol-d6
 Concen: 20.537 ng
 RT: 6.35 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

Instrument :
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 ClientSampleId :
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Tgt Ion: 99 Resp: 124293
 Ion Ratio Lower Upper
 99 100
 42 18.2 14.5 21.7
 71 33.8 25.4 38.0

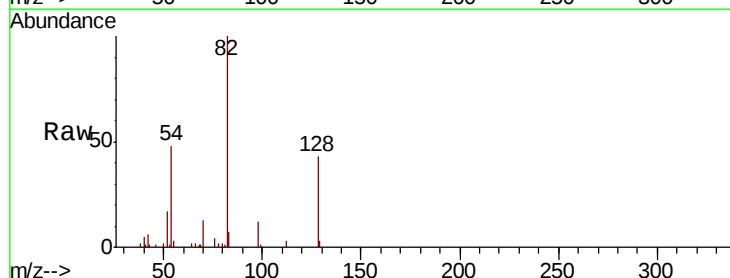


Abundance Ion 99.00 (98.70 to 99.70): BF1
 Ion 42.00 (41.70 to 42.70): BF1
 Ion 71.00 (70.70 to 71.70): BF1

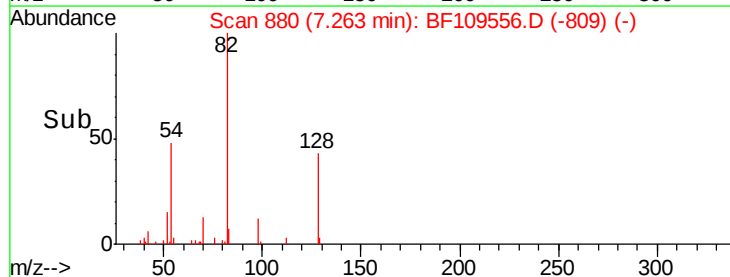
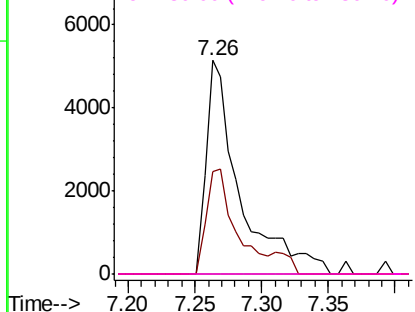


#19
 n-Nitroso-di-n-propylamine
 Concen: 2.278 ng
 RT: 7.26 min Scan# 880
 Delta R.T. 0.12 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

Tgt Ion: 70 Resp: 9036
 Ion Ratio Lower Upper
 70 100
 42 47.9 47.5 71.3
 101 0.0 7.4 11.2#
 130 0.0 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: BF109556.D

Acq: 3 Oct 2018 19:37

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 136 Resp: 280269

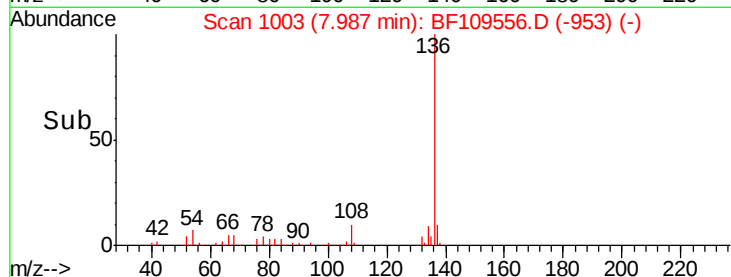
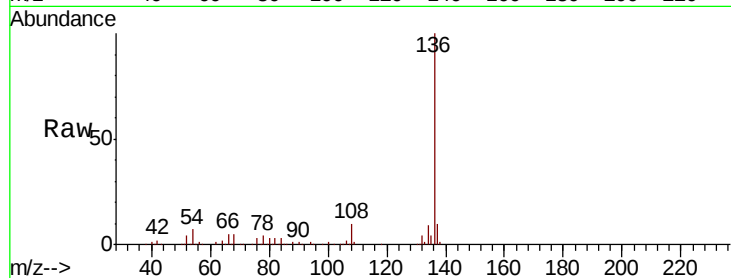
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 6.8 6.6 9.8

68 5.2 5.0 7.4

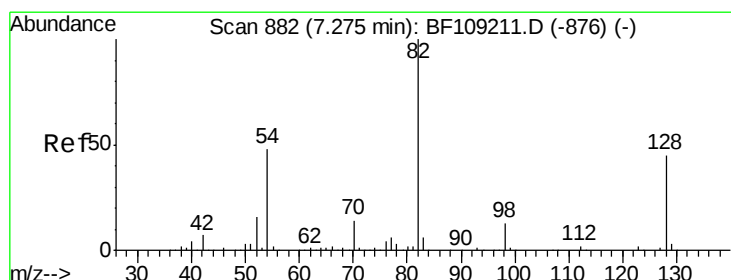
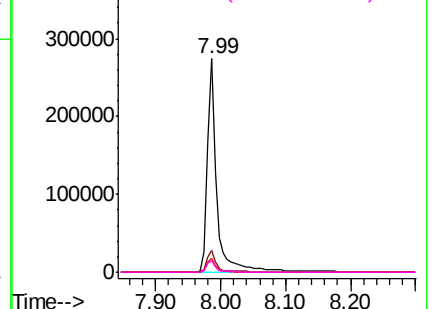


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.287 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109556.D

Acq: 3 Oct 2018 19:37

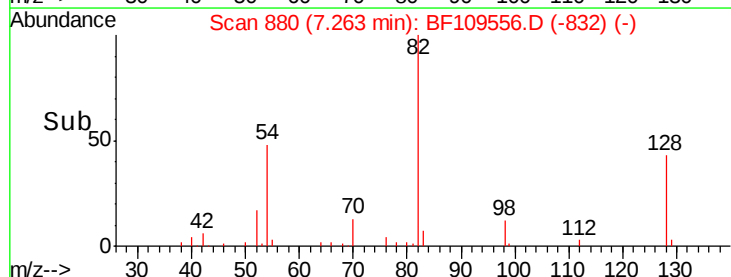
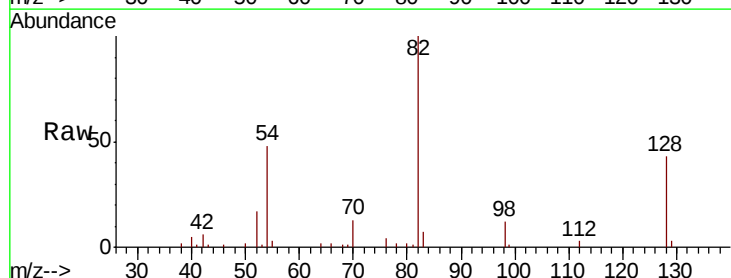
Tgt Ion: 82 Resp: 67833

Ion Ratio Lower Upper

82 100

128 42.9 36.1 54.1

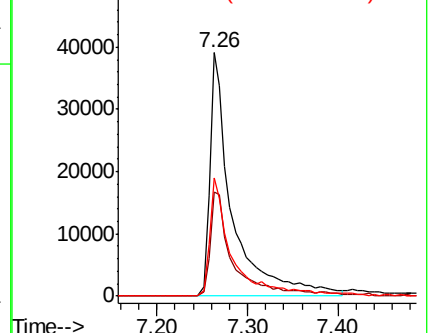
54 48.3 41.4 62.2

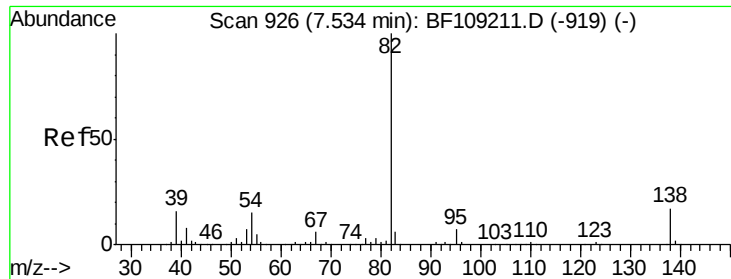


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

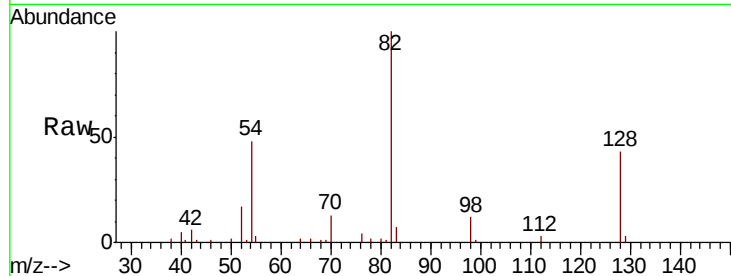




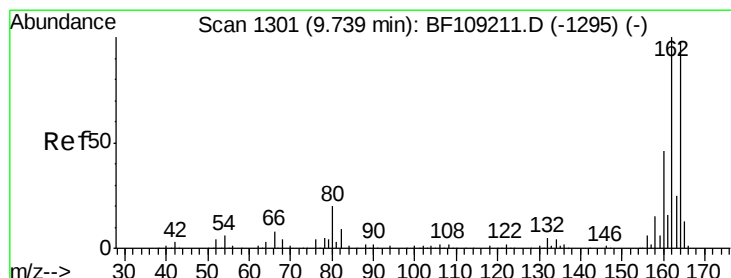
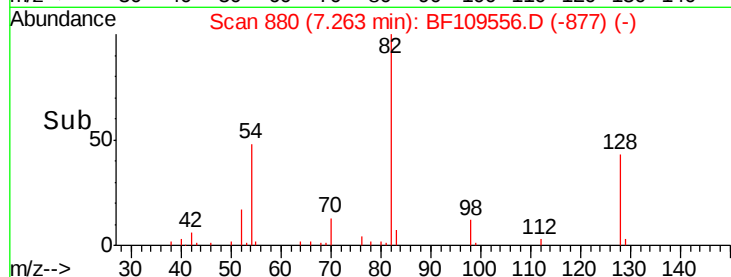
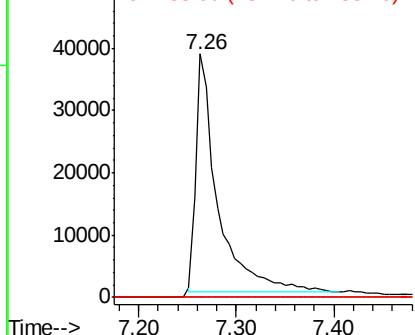
#25
Isophorone
Concen: 6.976 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

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Tgt Ion: 82 Resp: 59641
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

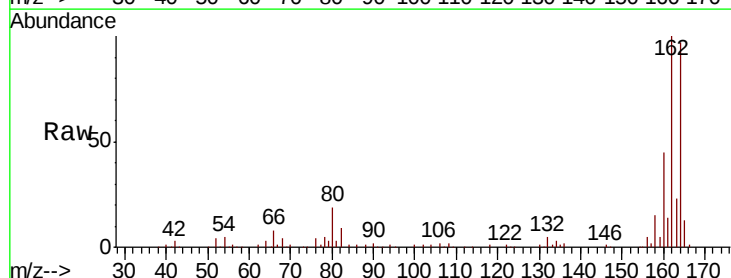


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

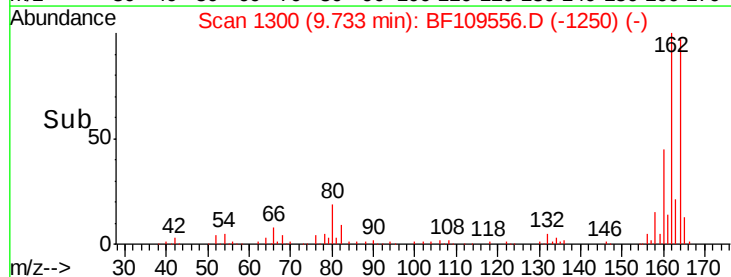
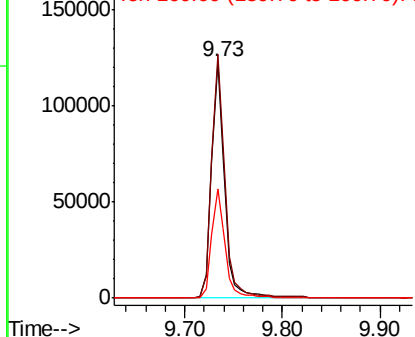


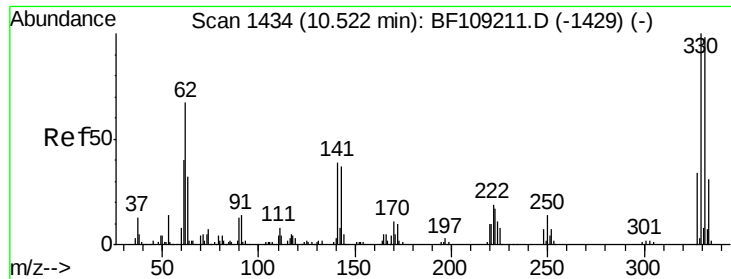
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

Tgt Ion: 164 Resp: 114993
Ion Ratio Lower Upper
164 100
162 103.1 86.1 129.1
160 46.4 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

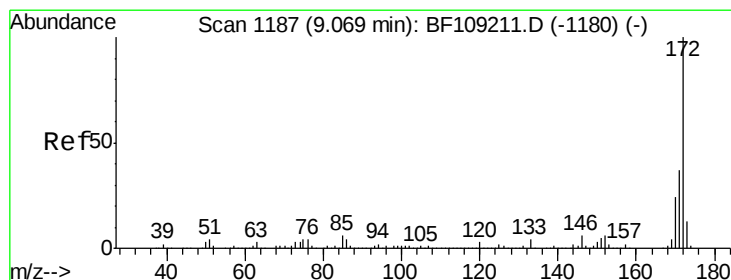
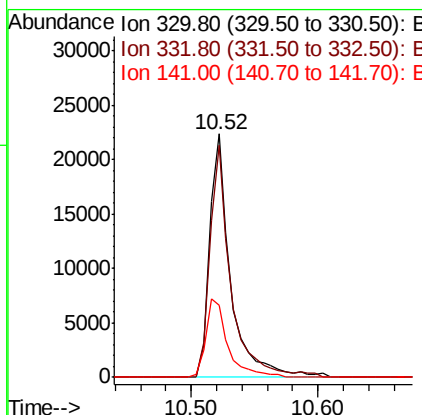
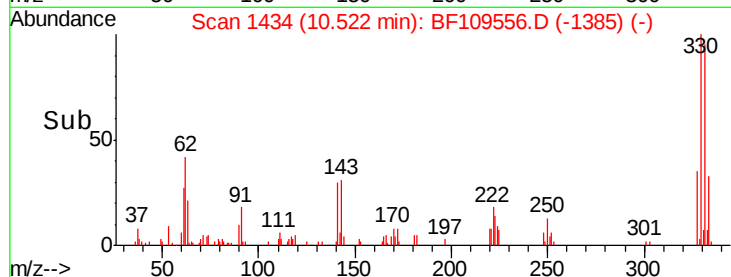
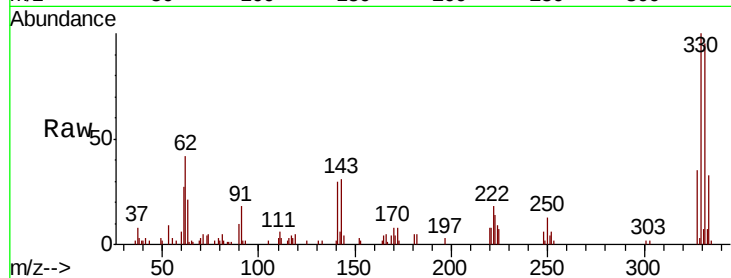




#41
 2,4,6-Tribromophenol
 Concen: 23.068 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

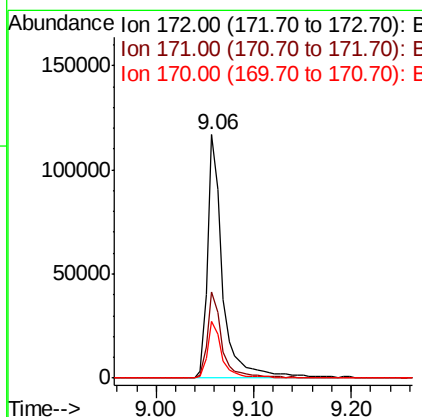
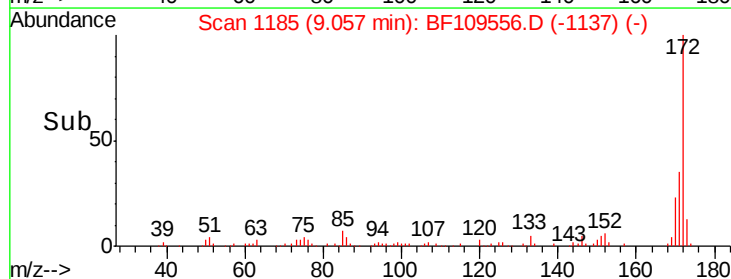
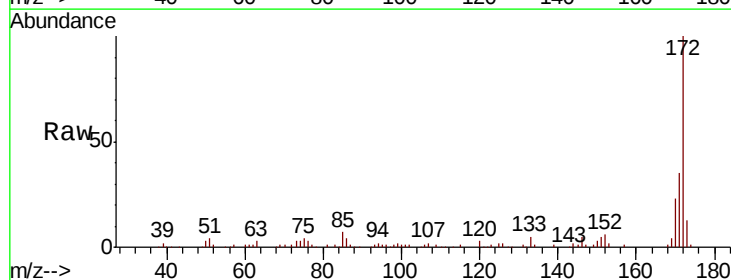
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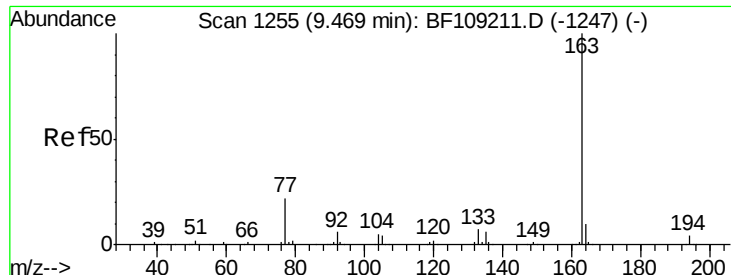
Tgt Ion: 330 Resp: 26150
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 33.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 16.528 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

Tgt Ion: 172 Resp: 126015
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.1 19.6 29.4

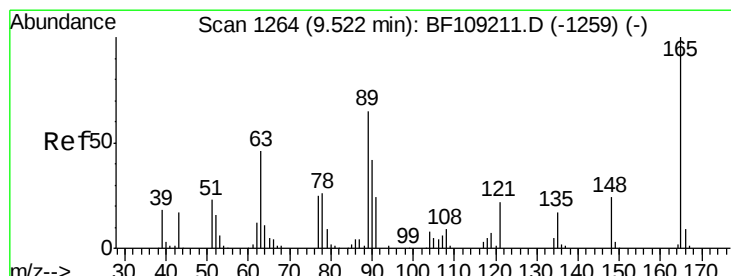
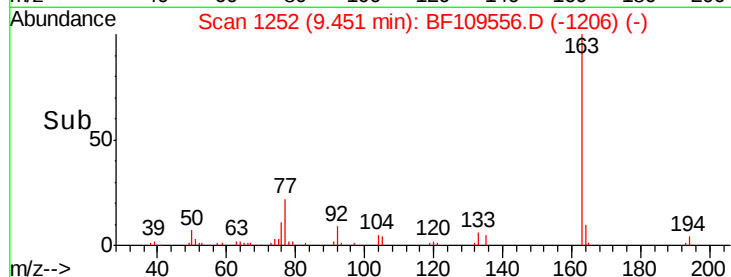
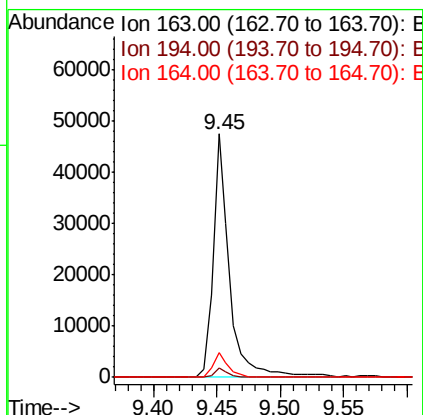
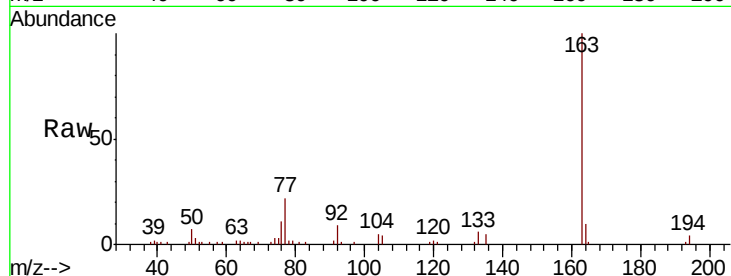




#49
Dimethylphthalate
Concen: 5.173 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

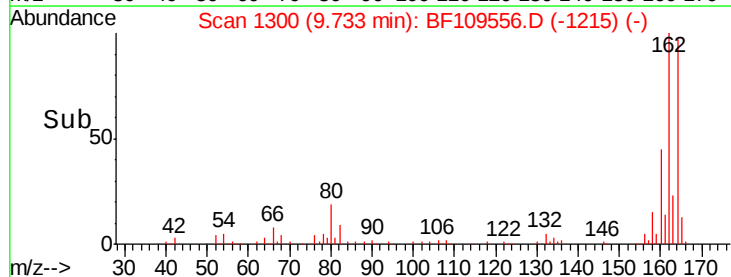
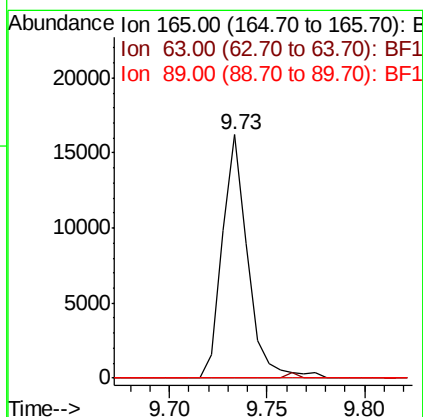
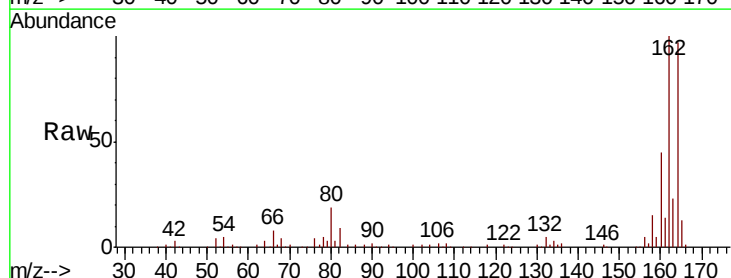
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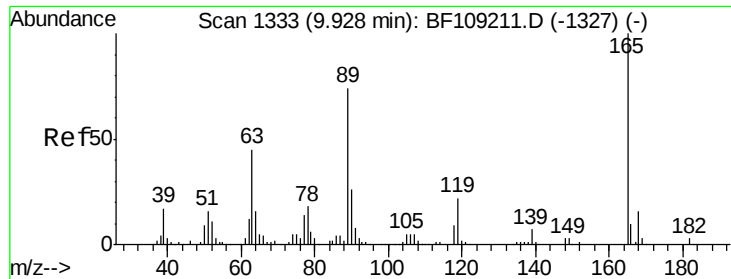
Tgt Ion:163 Resp: 43269
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.0 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.889 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.20 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

Tgt Ion:165 Resp: 14725
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

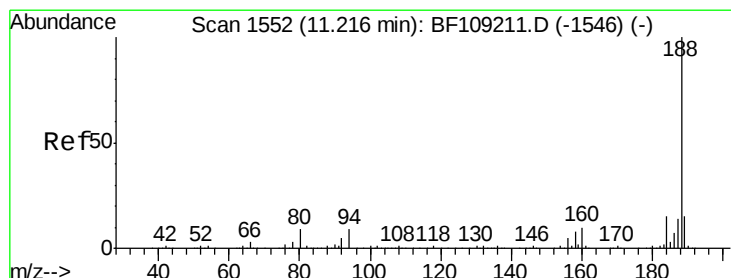
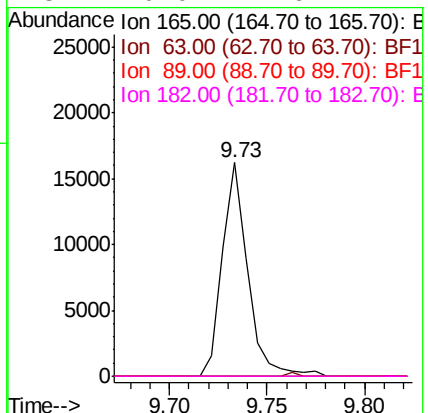
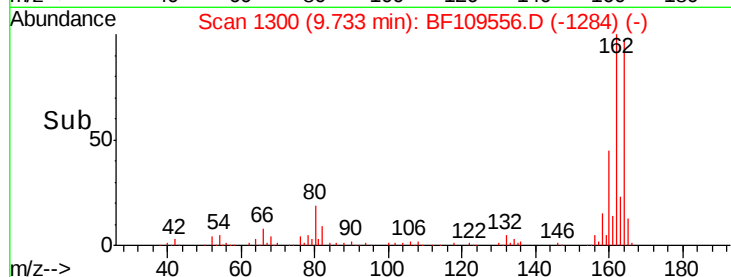
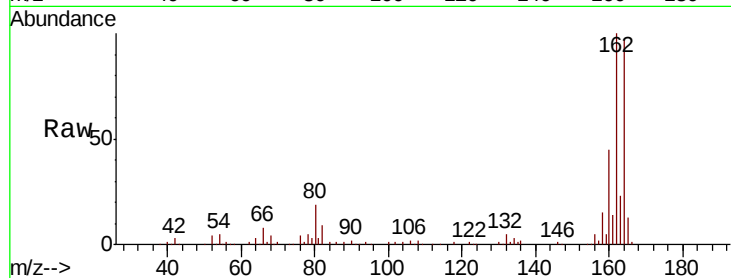




#56
 2,4-Dinitrotoluene
 Concen: 7.026 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.21 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

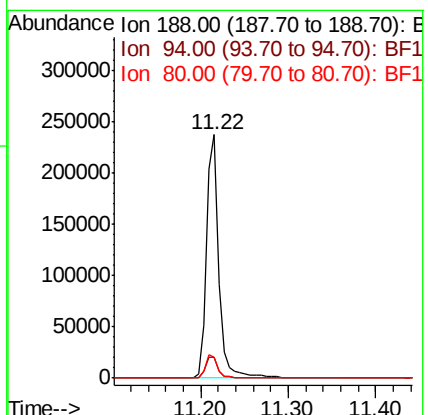
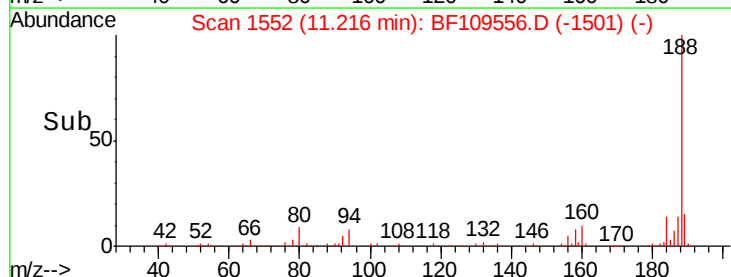
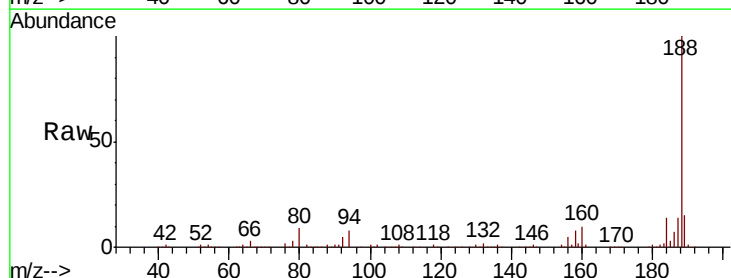
Instrument :
 BNA_F
 ClientSampleId :
 293-230

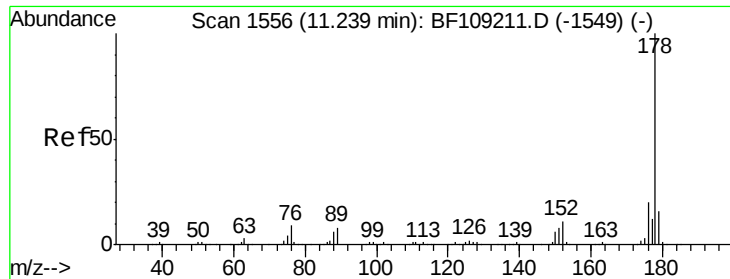
Tgt Ion:	165	Resp:	14725
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

Tgt Ion:	188	Resp:	232233
Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	8.8	9.2	13.8#





#70

Phenanthrene

Concen: 3.721 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109556.D

Acq: 3 Oct 2018 19:37

Instrument :

BNA_F

ClientSampled :

293-230

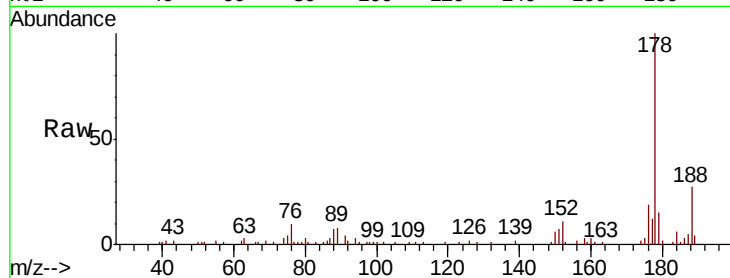
Tgt Ion:178 Resp: 43145

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

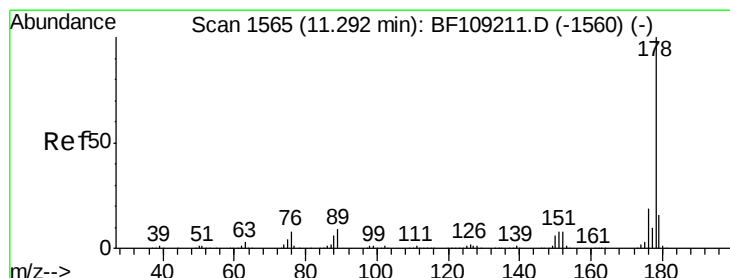
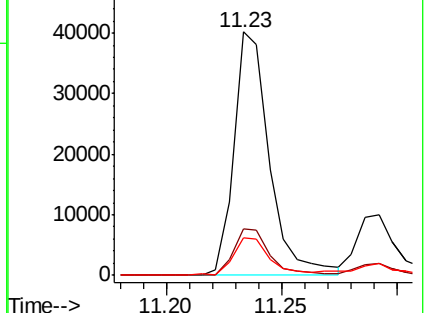
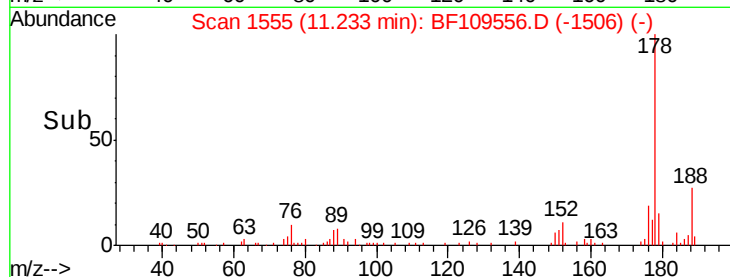
179 15.4 13.0 19.6



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



#71

Anthracene

Concen: 3.669 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.06 min

Lab File: BF109556.D

Acq: 3 Oct 2018 19:37

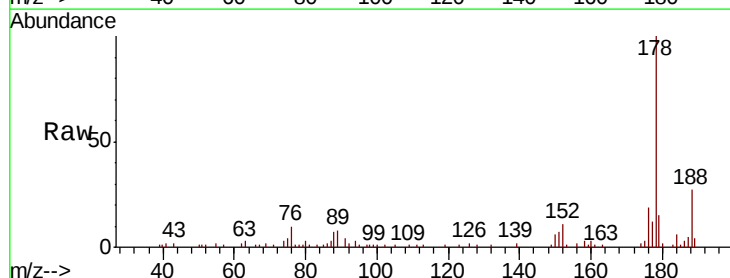
Tgt Ion:178 Resp: 43145

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

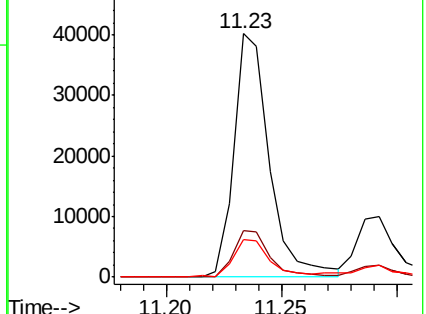
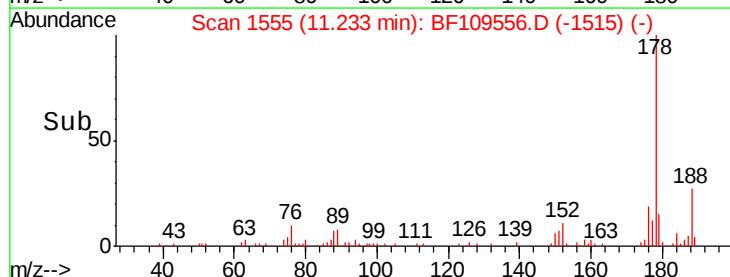
179 15.4 12.6 19.0

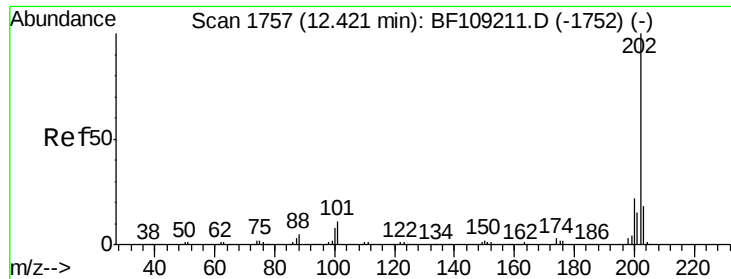


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.339 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109556.D

Acq: 3 Oct 2018 19:37

Instrument :

BNA_F

ClientSampleId :

293-230

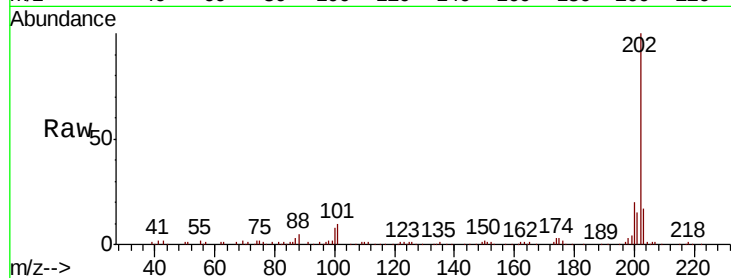
Tgt Ion: 202 Resp: 103332

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

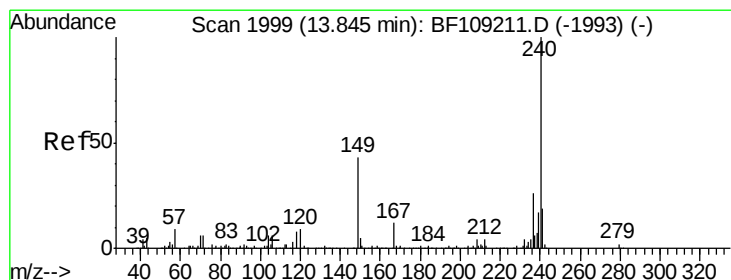
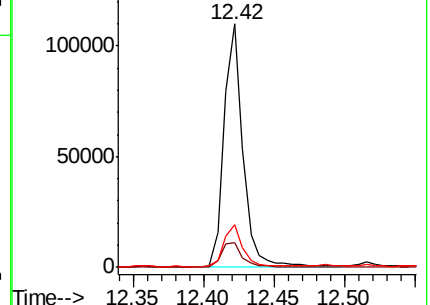
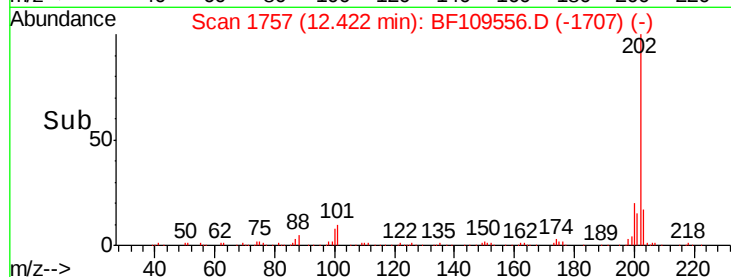
203 17.4 0.0 38.1



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: BF109556.D

Acq: 3 Oct 2018 19:37

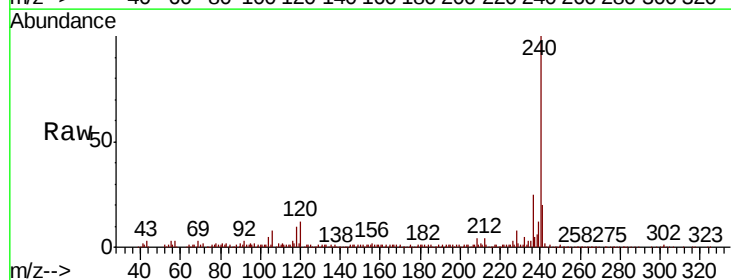
Tgt Ion: 240 Resp: 202359

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

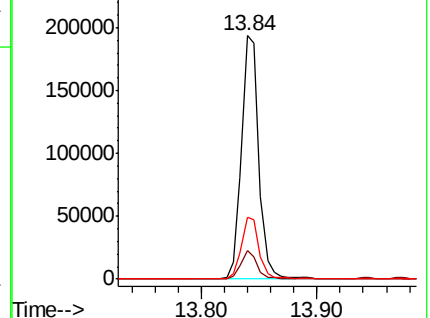
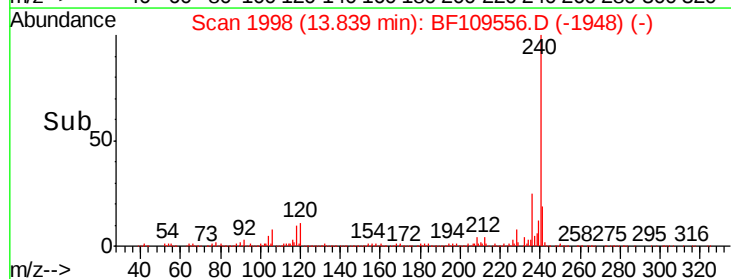
236 25.3 20.7 31.1

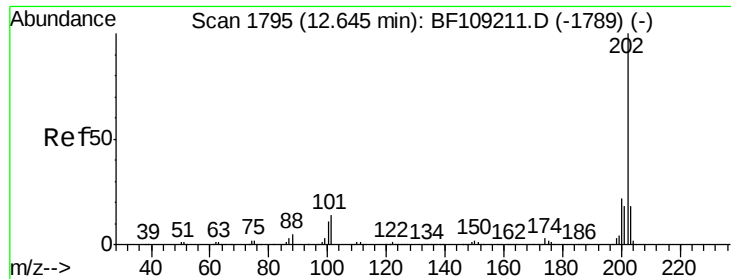


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

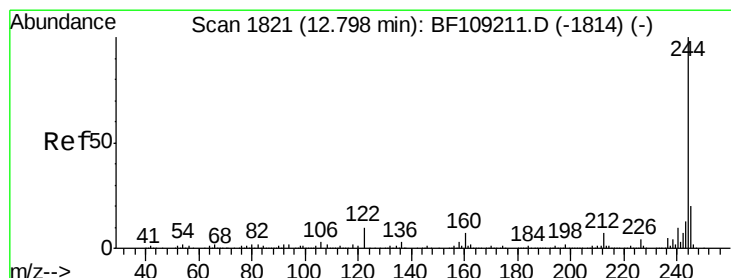
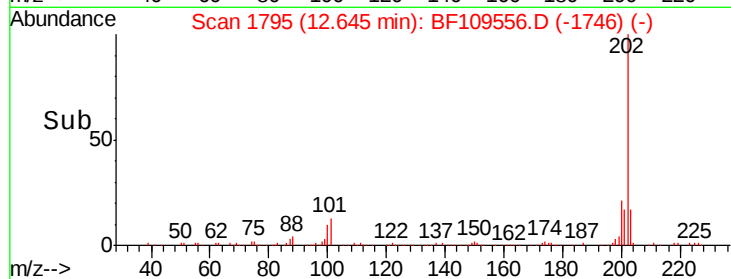
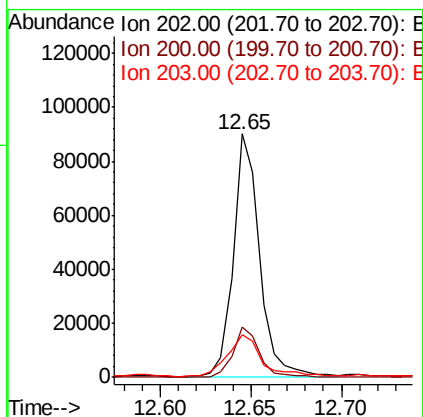
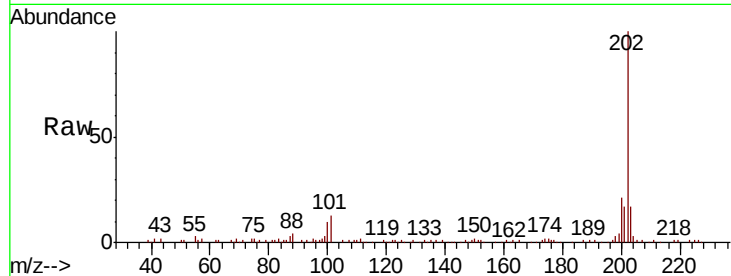




#77
 Pyrene
 Concen: 6.313 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

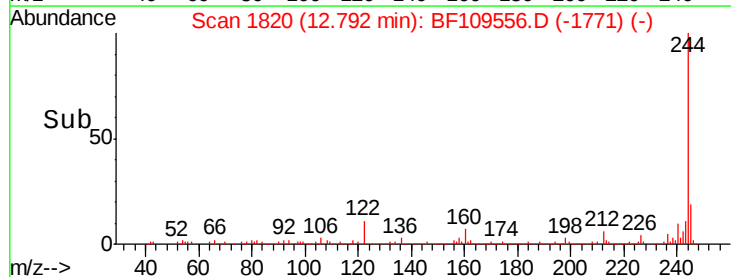
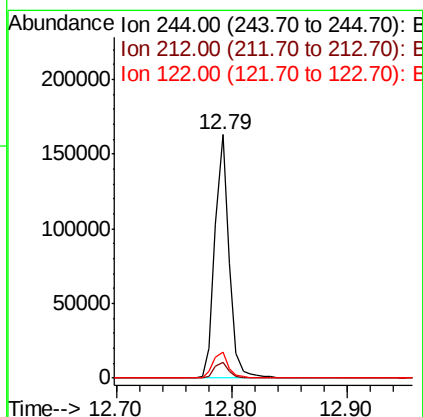
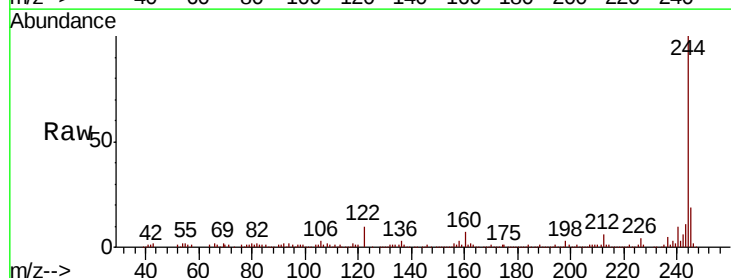
Instrument :
 BNA_F
 ClientSampleId :
 293-230

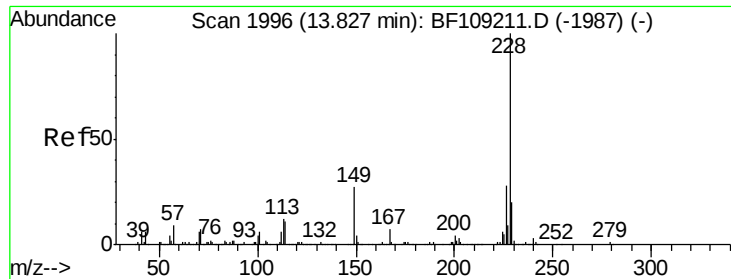
Tgt Ion: 202 Resp: 91552
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.4 26.2
 203 17.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 16.892 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109556.D
 Acq: 3 Oct 2018 19:37

Tgt Ion: 244 Resp: 139281
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 10.5 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 2.944 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109556.D

Acq: 3 Oct 2018 19:37

Instrument :

BNA_F

ClientSampleId :

293-230

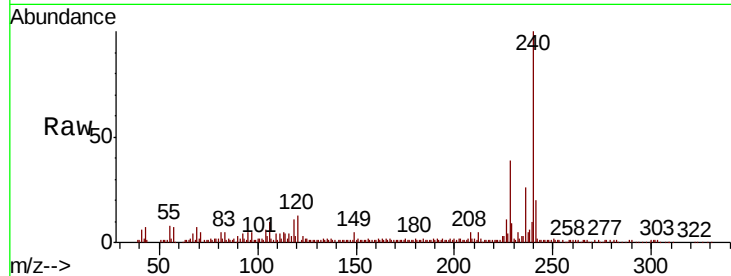
Tgt Ion:228 Resp: 35886

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

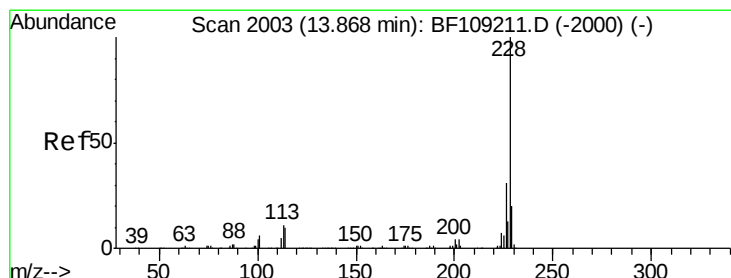
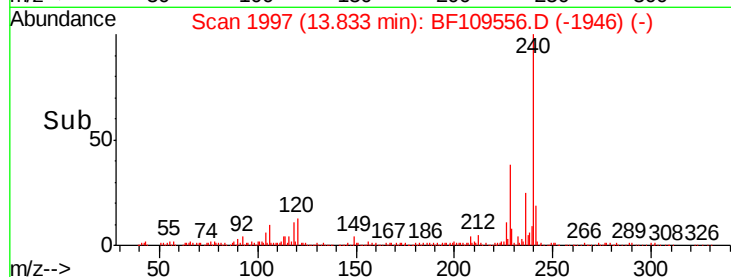
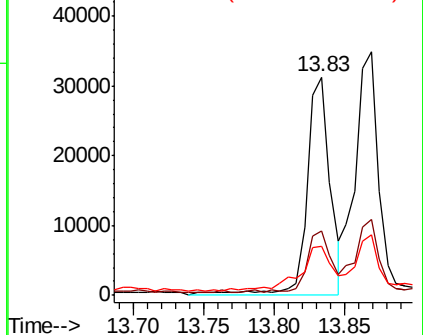
229 22.8 15.8 23.6



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



#82

Chrysene

Concen: 2.970 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.04 min

Lab File: BF109556.D

Acq: 3 Oct 2018 19:37

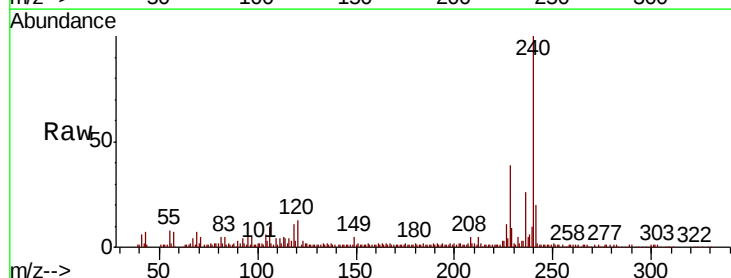
Tgt Ion:228 Resp: 35886

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

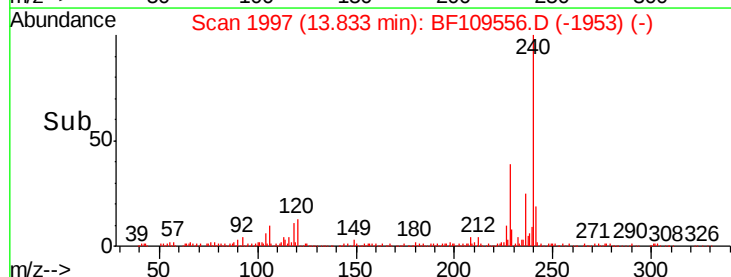
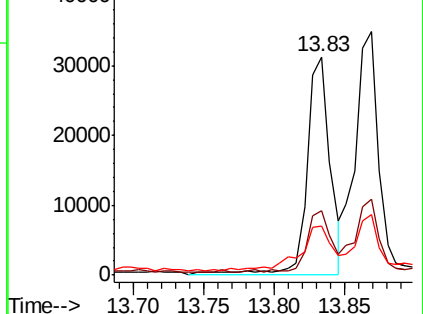
229 22.8 16.2 24.4

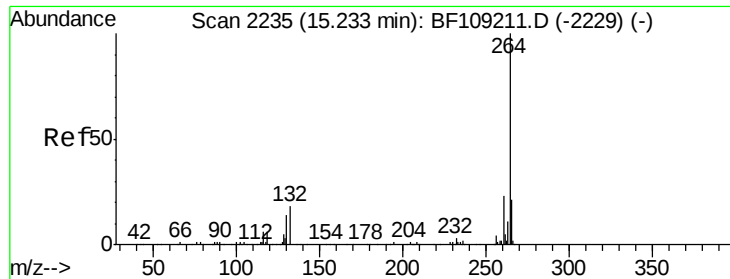


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



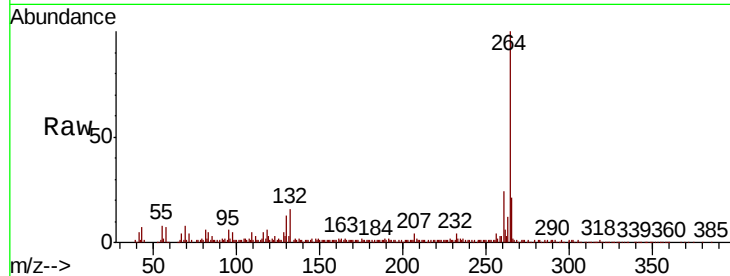


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

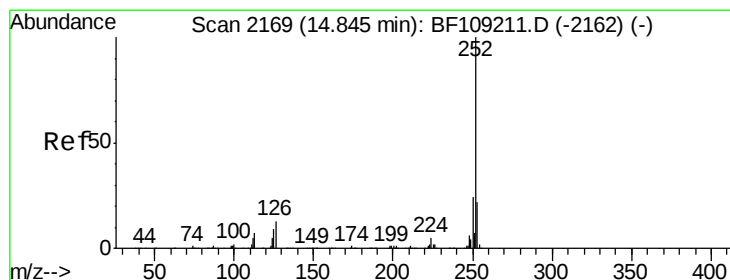
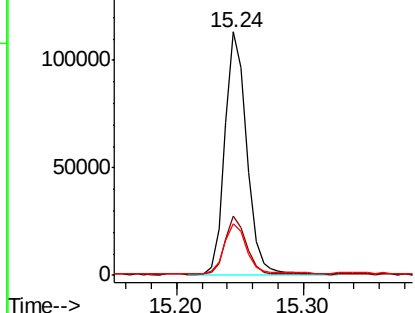
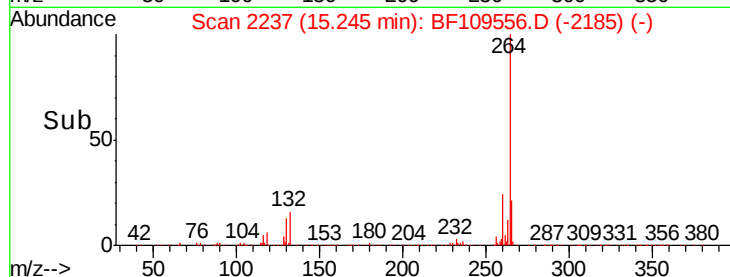
Instrument :
BNA_F
ClientSampleId :
293-230

Tgt Ion:264 Resp: 134189

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.3	17.5	26.3



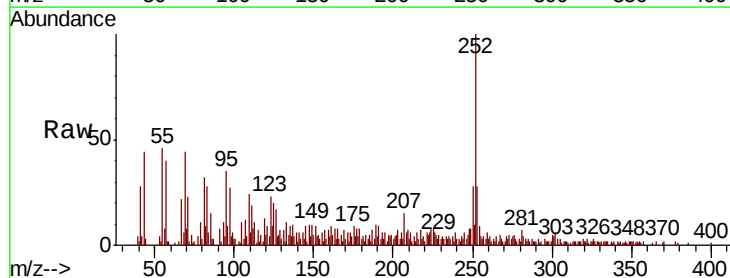
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



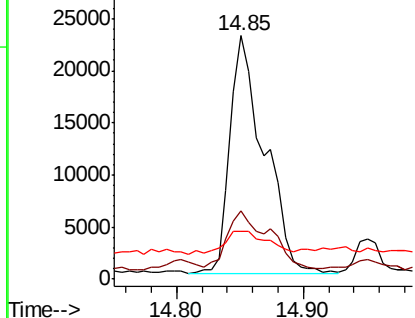
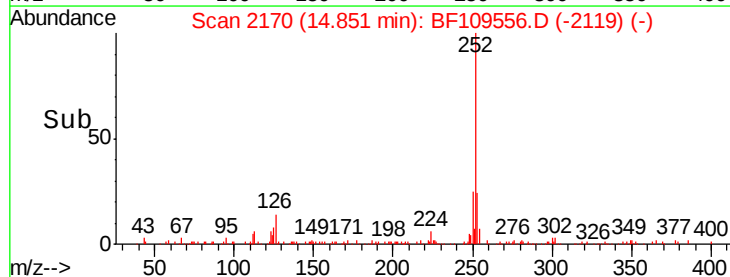
#87
Benzo(b)fluoranthene
Concen: 5.813 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

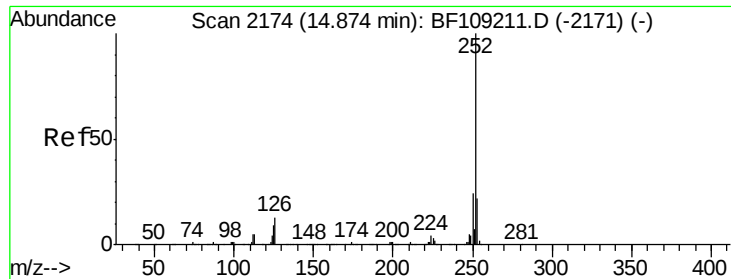
Tgt Ion:252 Resp: 42859

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.0	25.6#
125	19.8	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

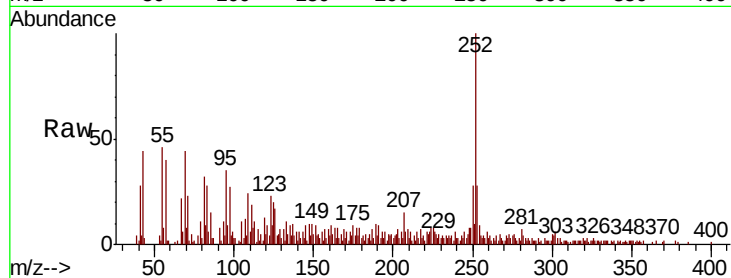




#88
Benzo(k)fluoranthene
Concen: 6.125 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

Instrument :
BNA_F
ClientSampleId :
293-230

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.9	26.9#
125	19.8	10.2	15.2#

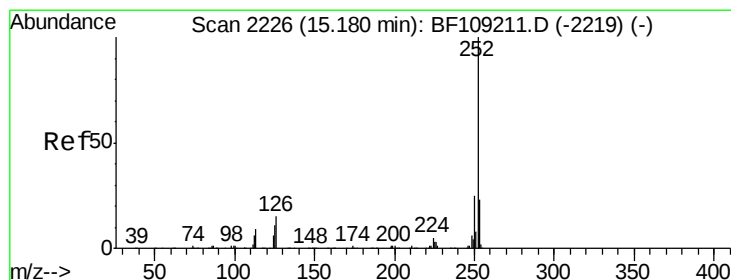
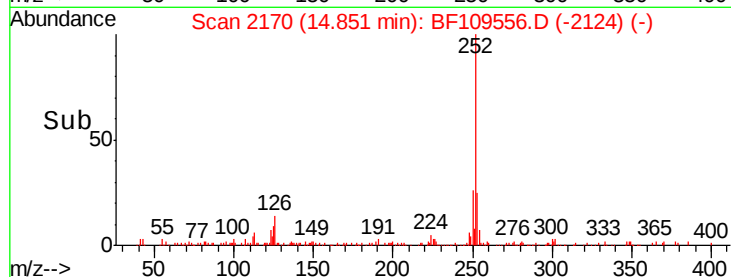
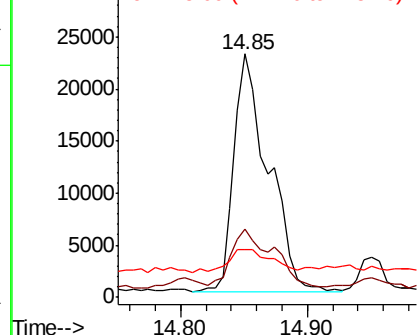


Abundance

Ion 252.00 (251.70 to 252.70): E

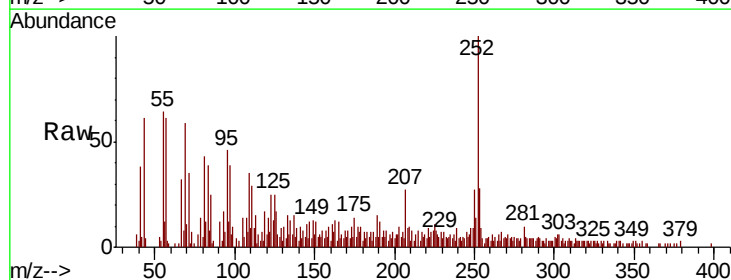
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.858 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109556.D
Acq: 3 Oct 2018 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.1	25.7#
125	25.3	9.8	14.6#

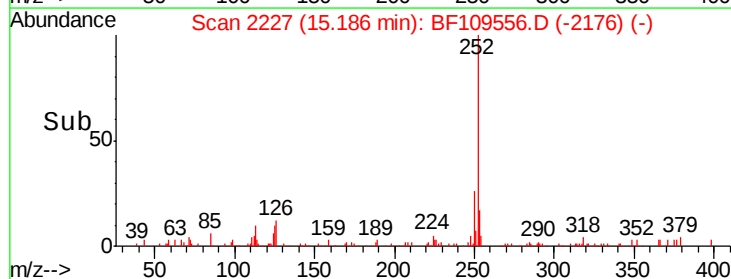
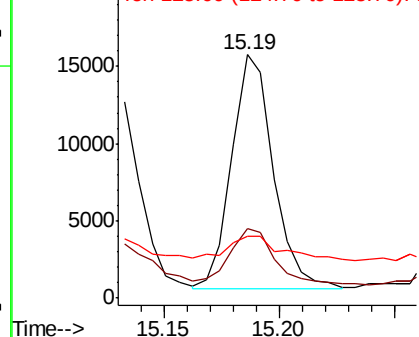


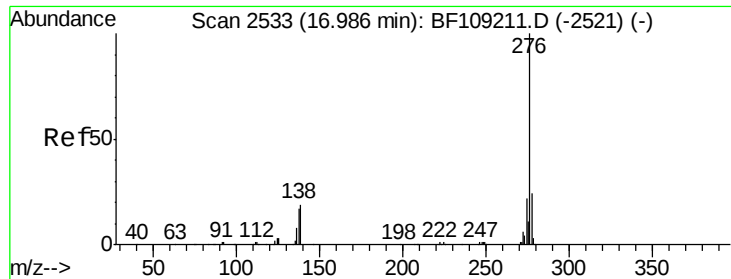
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.228 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF109556.D

Acq: 3 Oct 2018 19:37

Instrument :

BNA_F

ClientSampleId :

293-230

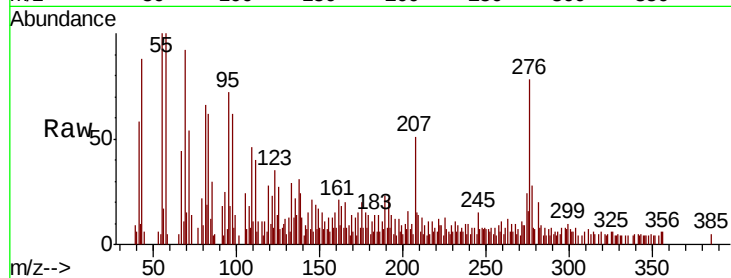
Tgt Ion:276 Resp: 11936

Ion Ratio Lower Upper

276 100

277 36.0 17.9 26.9#

138 30.9 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

