

Data File : BF109348.D
Acq On : 26 Sep 2018 20:22
Operator : JU/SJ
Sample : J4773-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Quant Time: Sep 27 05:39:45 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	95469	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	330595	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	128260	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	226805	20.00	ng	0.00
75) Chrysene-d12	13.84	240	256312	20.00	ng	0.00
86) Perylene-d12	15.24	264	200444	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	412463	71.16	ng	0.00
7) Phenol-d6	6.35	99	509109	68.83	ng	-0.01
23) Nitrobenzene-d5	7.26	82	307203	54.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	96005	75.93	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	508882	59.84	ng	-0.01
78) Terphenyl-d14	12.80	244	497736	47.66	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	41231	8.507	ng	# 77
25) Isophorone	7.26	82	293702	29.124	ng	# 64
49) Dimethylphthalate	9.46	163	160017	17.153	ng	98
56) 2,4-Dinitrotoluene	9.74	165	16483	7.051	ng	# 21
66) 4-Bromophenyl-phenylether	10.52	248	5810	2.307	ng	# 1
70) Phenanthrene	11.24	178	95129	8.400	ng	97
71) Anthracene	11.29	178	31571	2.749	ng	98
74) Fluoranthene	12.42	202	181329	14.983	ng	94
77) Pyrene	12.64	202	184200	10.028	ng	99
80) Benzo(a)anthracene	13.83	228	95073	6.158	ng	97
82) Chrysene	13.86	228	86309	5.640	ng	96
87) Benzo(b)fluoranthene	14.85	252	103018	9.353	ng	97
88) Benzo(k)fluoranthene	14.85	252	103018	9.857	ng	99
89) Benzo(a)pyrene	15.19	252	55742	5.616	ng	96
91) Benzo(g,h,i)perylene	16.99	276	24730	3.090	ng	91

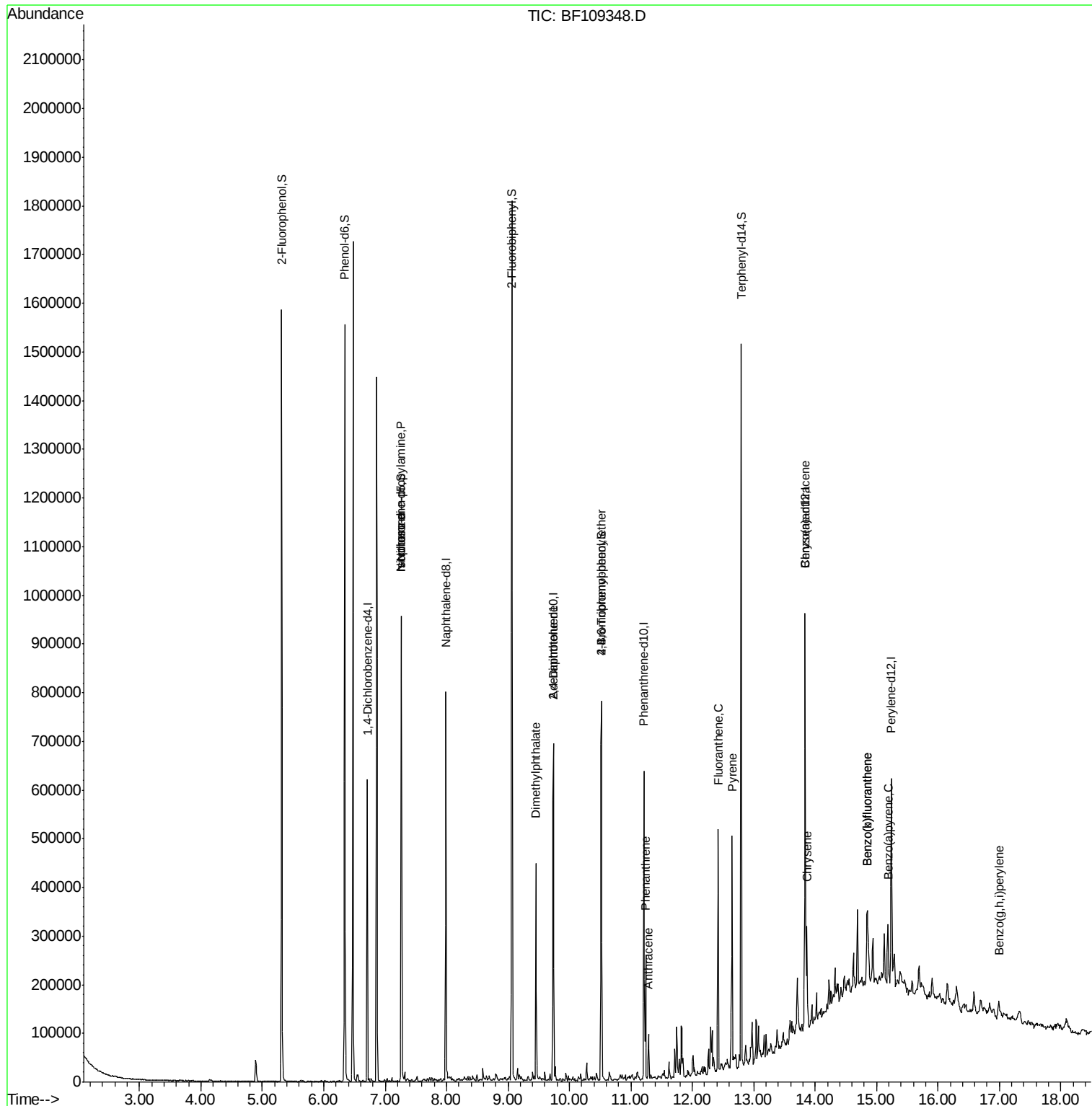
(#) = qualifier out of range (m) = manual integration (+) = signals summed

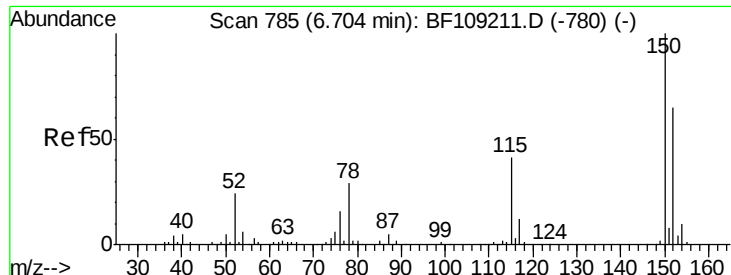
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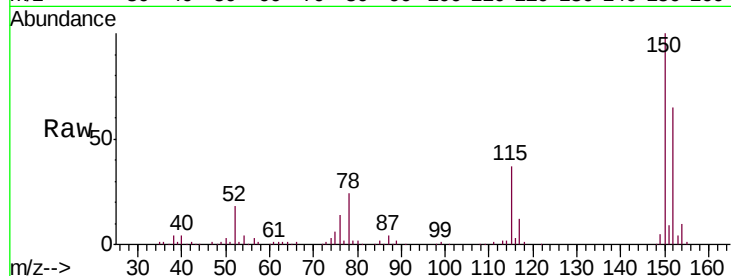


#1

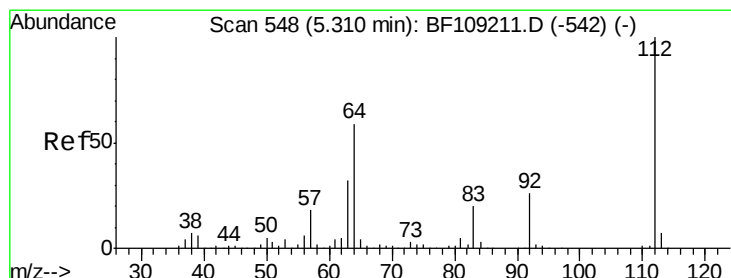
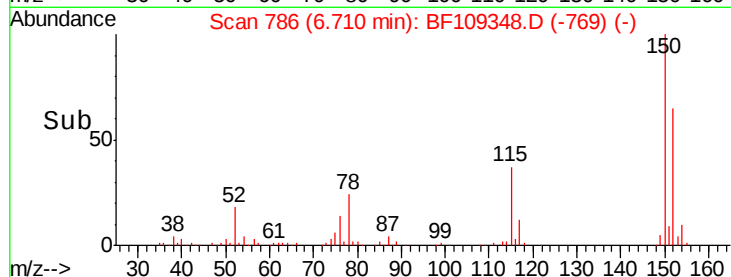
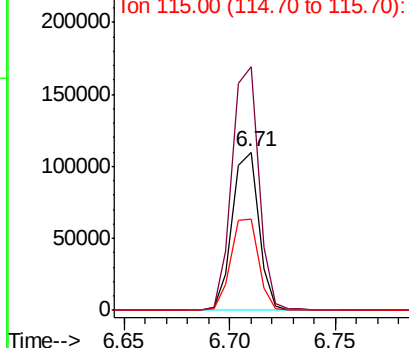
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tgt Ion:152 Resp: 95469
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 57.5 50.1 75.1



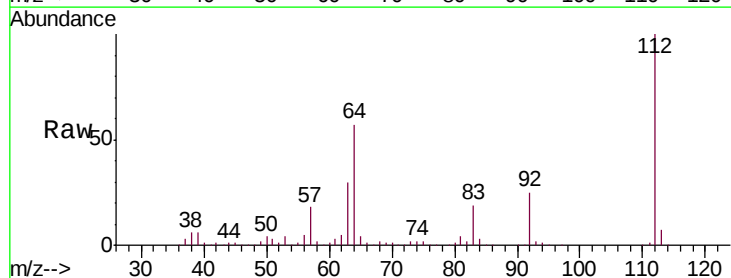
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



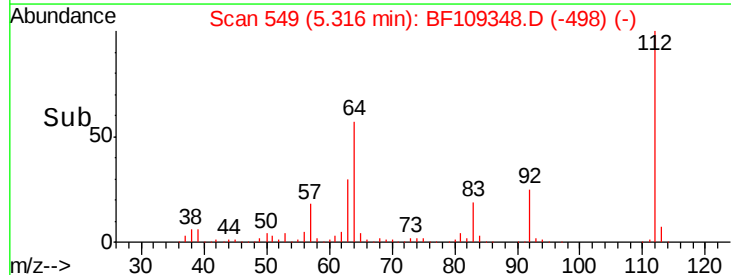
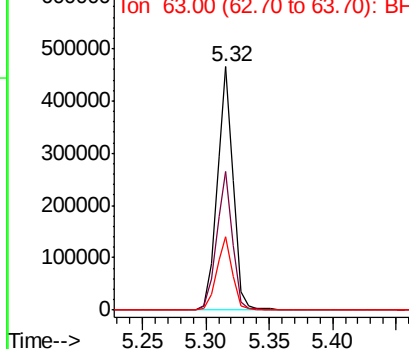
#5

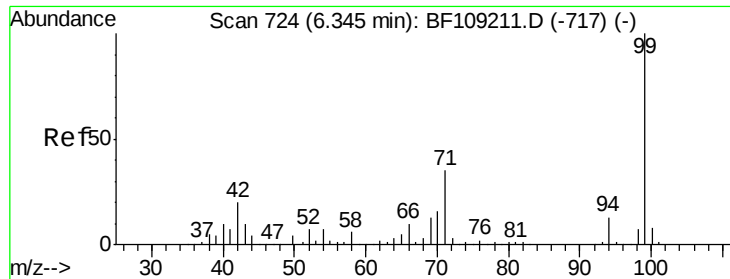
2-Fluorophenol
Concen: 71.160 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion:112 Resp: 412463
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 29.9 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: 68.833 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

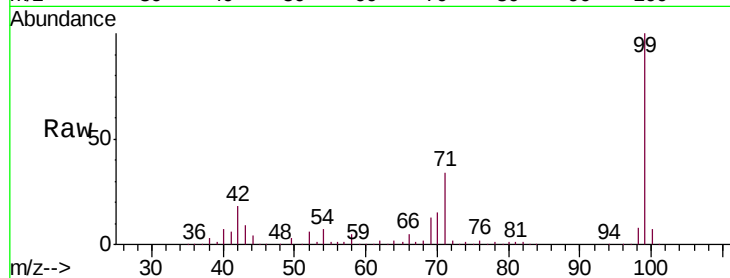
Tgt Ion: 99 Resp: 509109

Ion Ratio Lower Upper

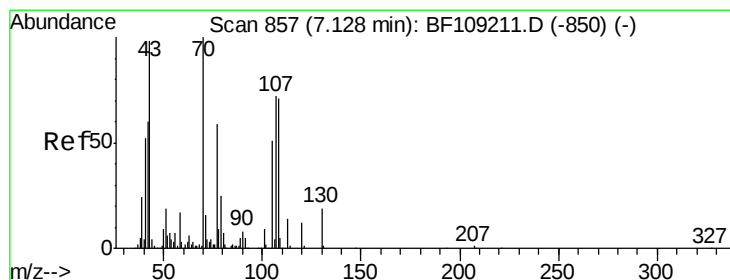
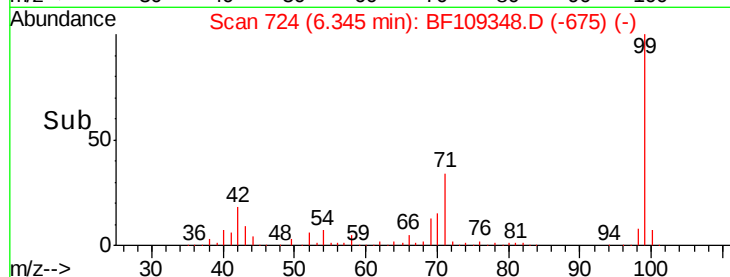
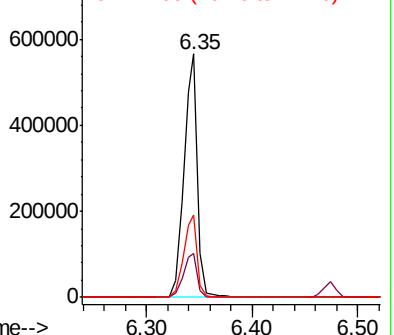
99 100

42 17.8 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: 8.507 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Tgt Ion: 70 Resp: 41231

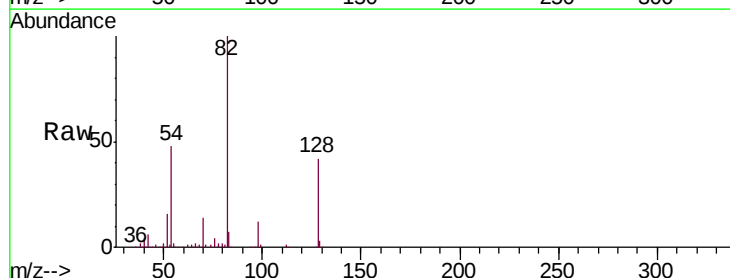
Ion Ratio Lower Upper

70 100

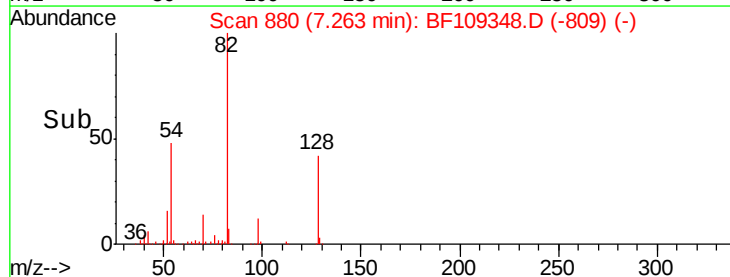
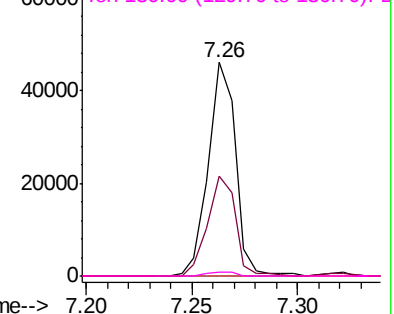
42 47.0 47.5 71.3#

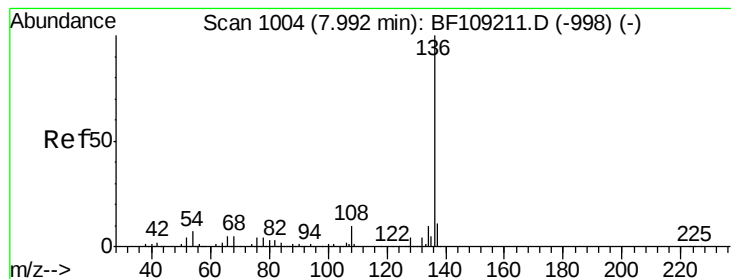
101 0.0 7.4 11.2#

130 2.1 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: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

Tgt Ion: 136 Resp: 330595

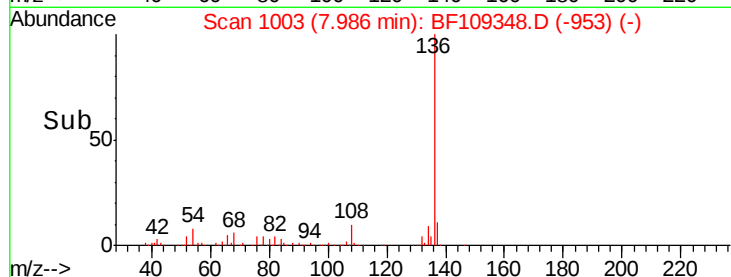
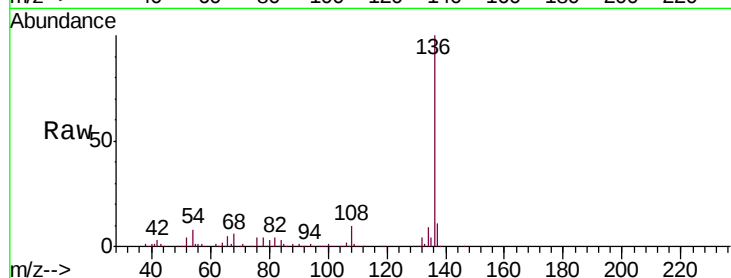
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.5 6.6 9.8

68 6.0 5.0 7.4

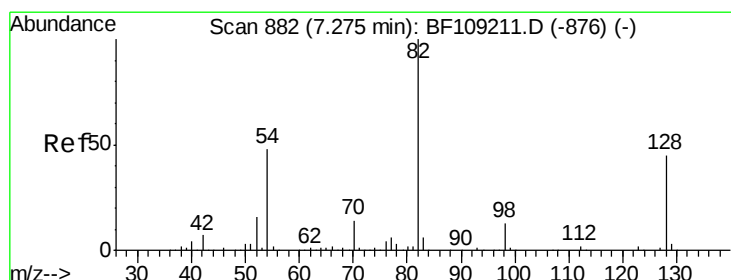
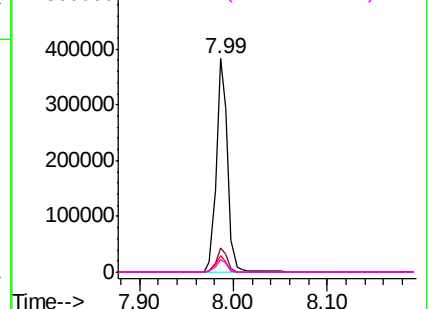


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.855 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

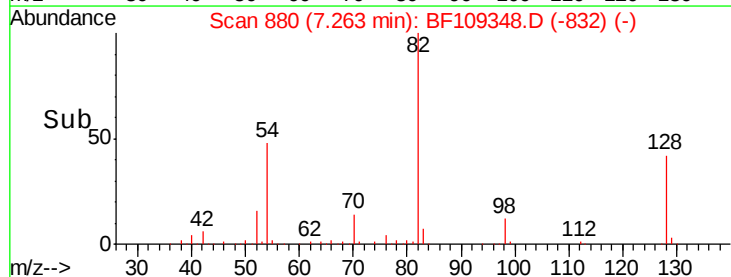
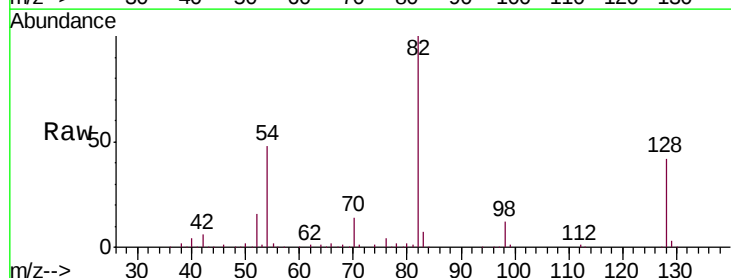
Tgt Ion: 82 Resp: 307203

Ion Ratio Lower Upper

82 100

128 42.1 36.1 54.1

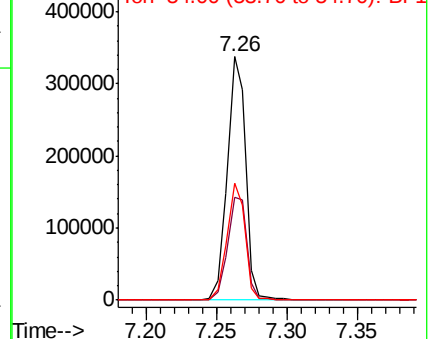
54 48.0 41.4 62.2

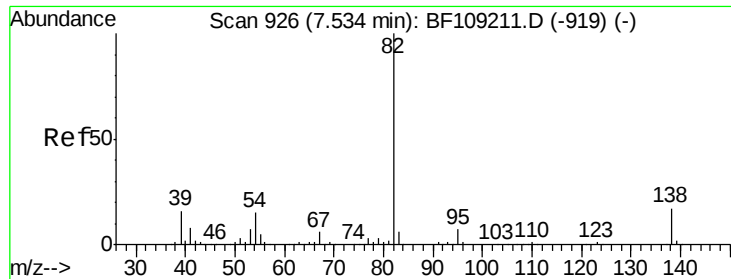


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.124 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

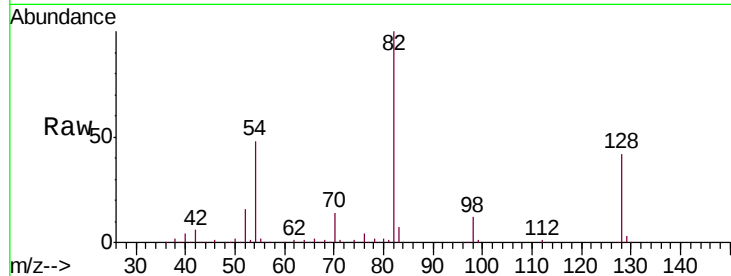
Tgt Ion: 82 Resp: 293702

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

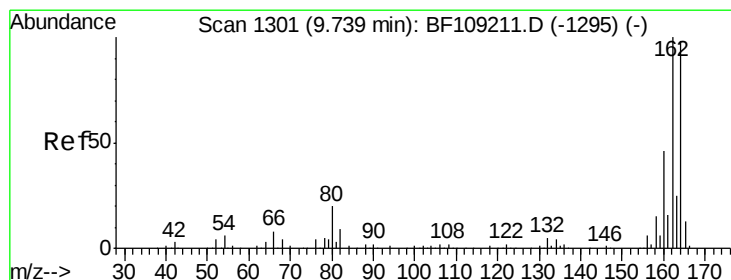
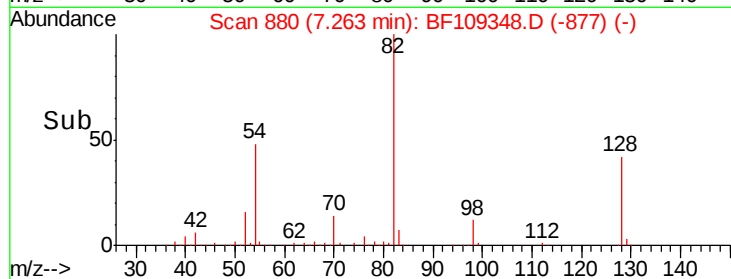
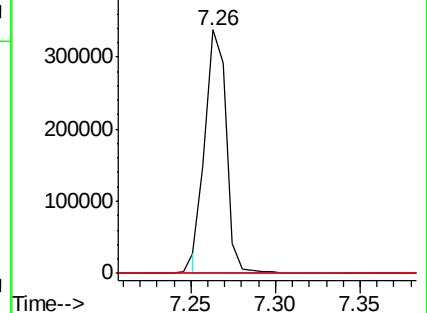
138 0.0 14.9 22.3#



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: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

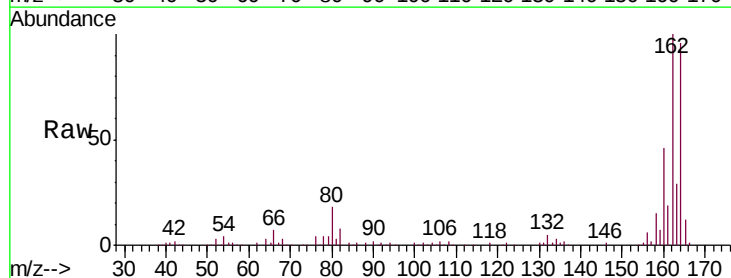
Tgt Ion: 164 Resp: 128260

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

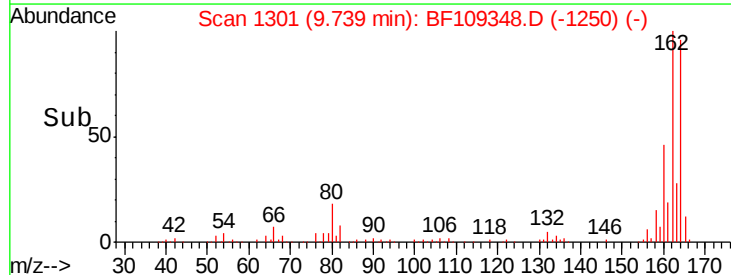
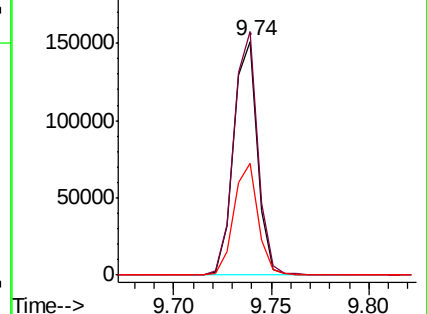
160 47.9 38.3 57.5

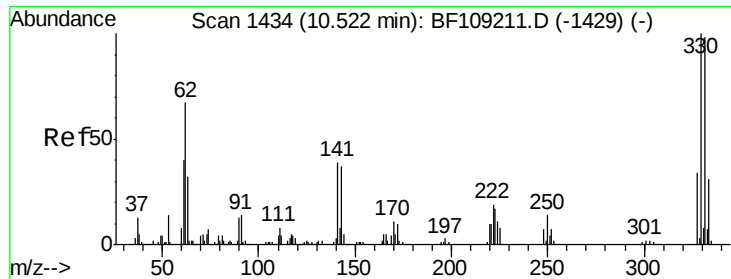


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

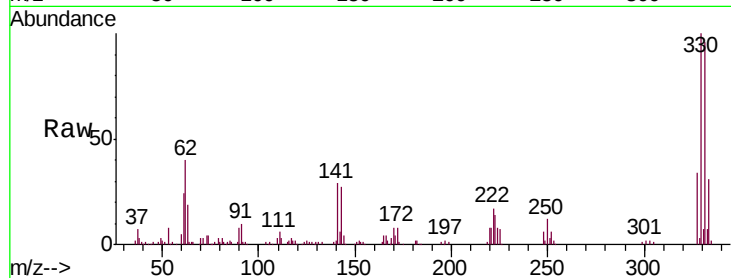




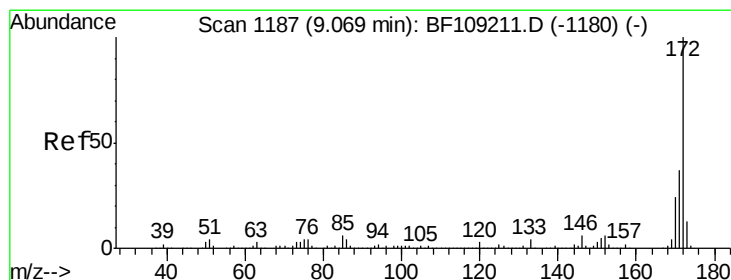
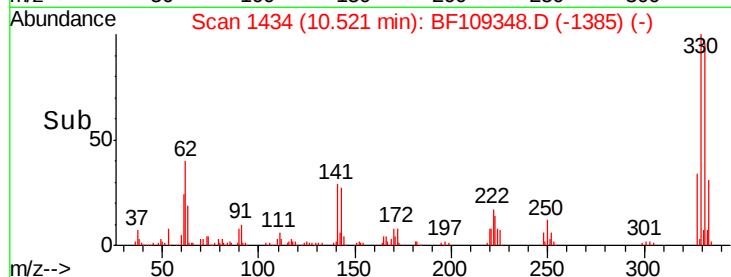
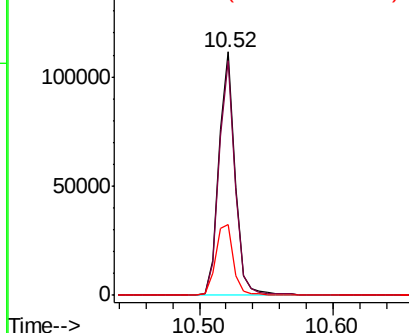
#41
 2,4,6-Tribromophenol
 Concen: 75.931 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109348.D
 Acq: 26 Sep 2018 20:22

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	32.2	29.9	44.9

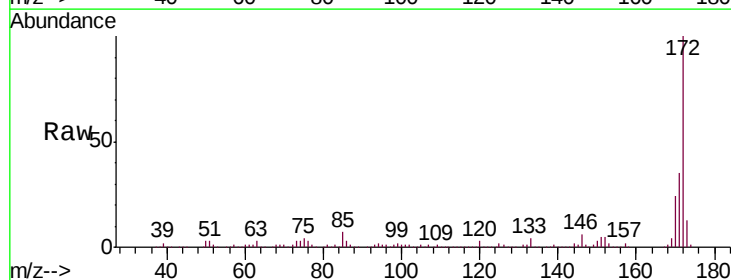


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

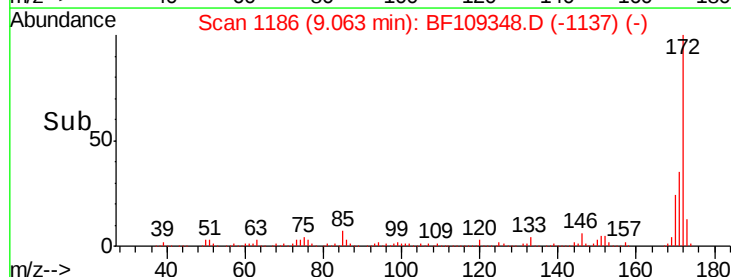
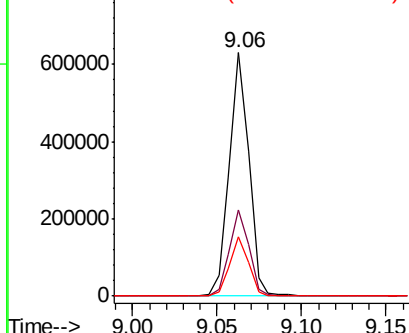


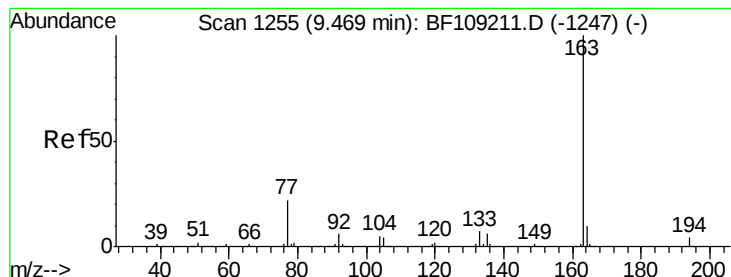
#44
 2-Fluorobiphenyl
 Concen: 59.839 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109348.D
 Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.1	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: 17.153 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

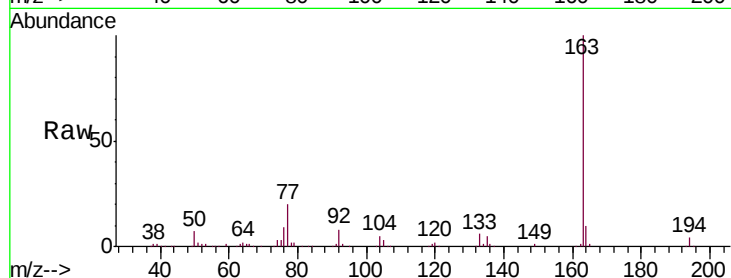
Tgt Ion:163 Resp: 160017

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

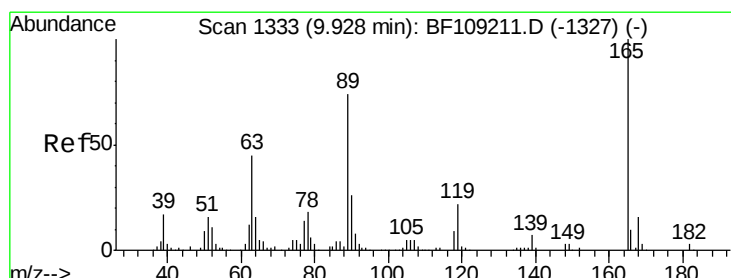
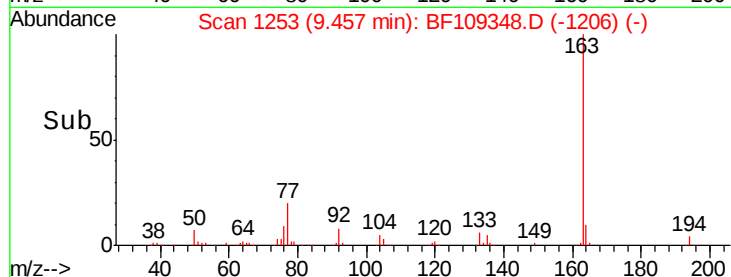
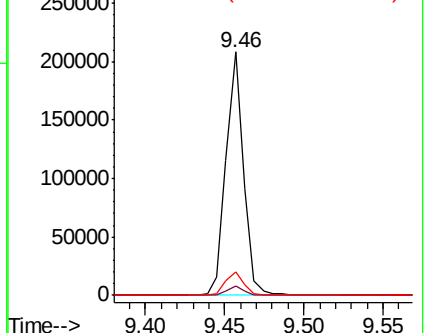
164 9.6 8.2 12.2



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: 7.051 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.20 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Tgt Ion:165 Resp: 16483

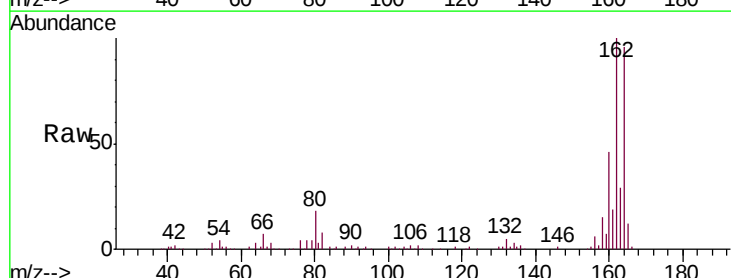
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

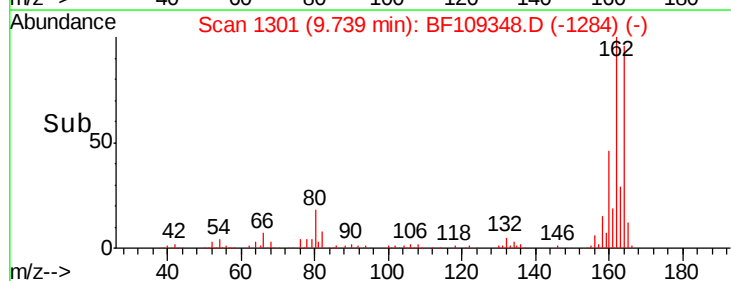
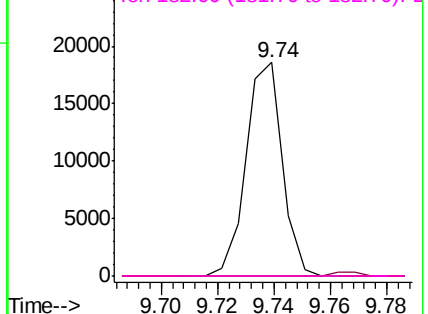


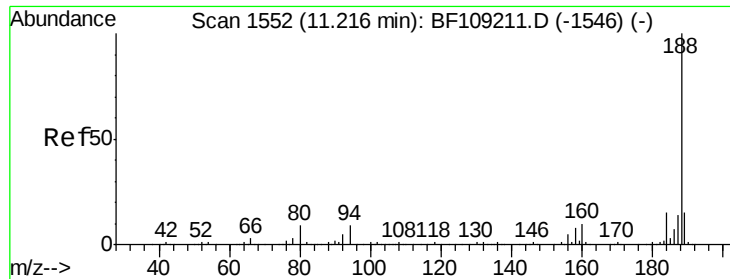
Abundance Ion 165.00 (164.70 to 165.70): E

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

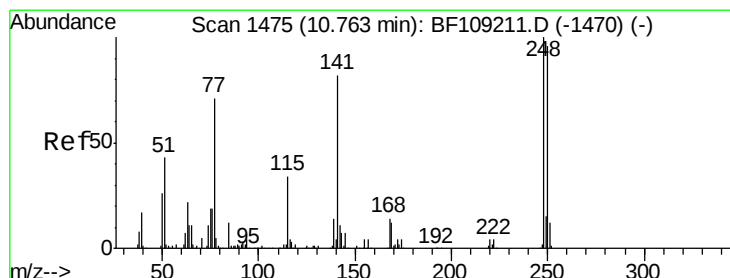
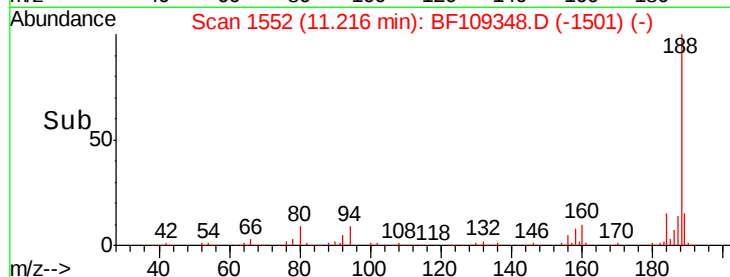
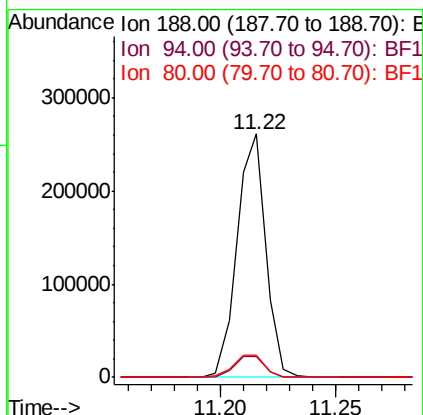
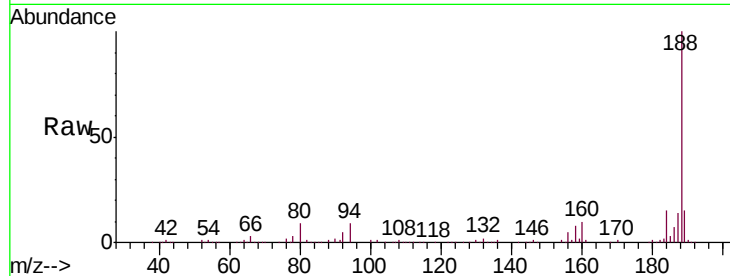




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

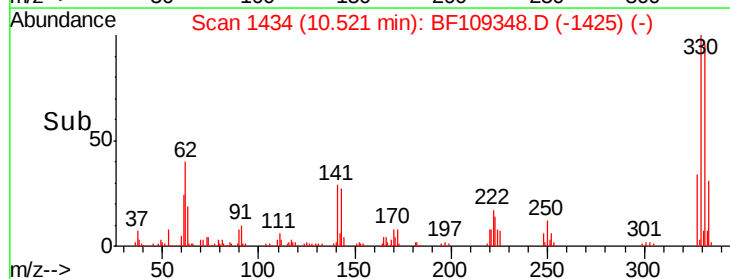
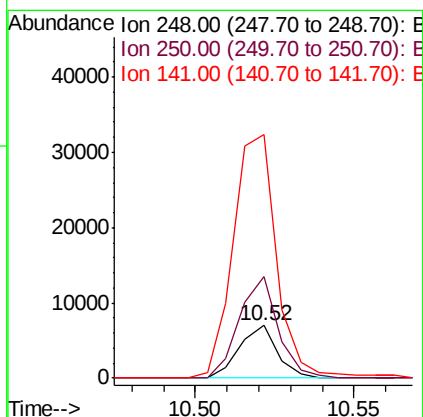
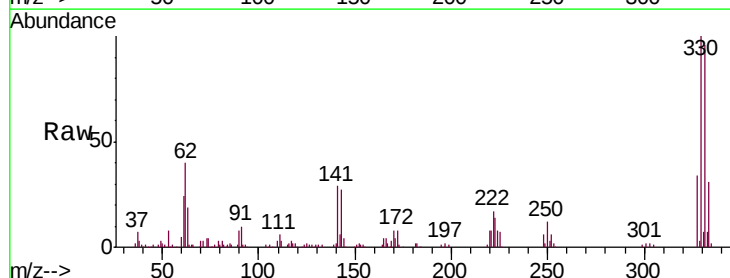
Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

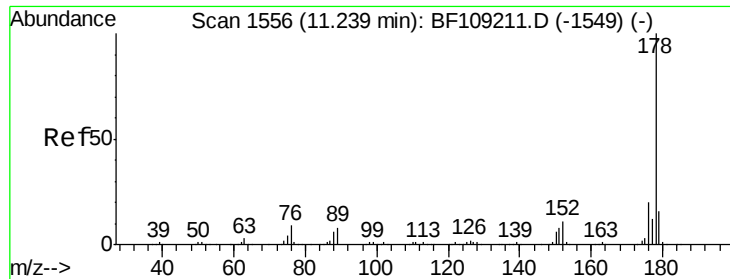
Tgt Ion:188 Resp: 226805
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 8.9 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 2.307 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.25 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion:248 Resp: 5810
Ion Ratio Lower Upper
248 100
250 193.8 76.9 115.3#
141 463.3 74.4 111.6#





#70

Phenanthrene

Concen: 8.400 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

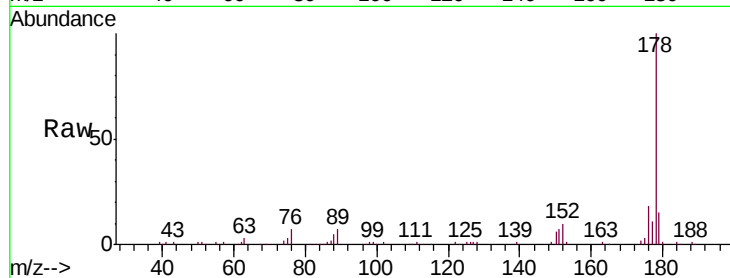
Tgt Ion:178 Resp: 95129

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

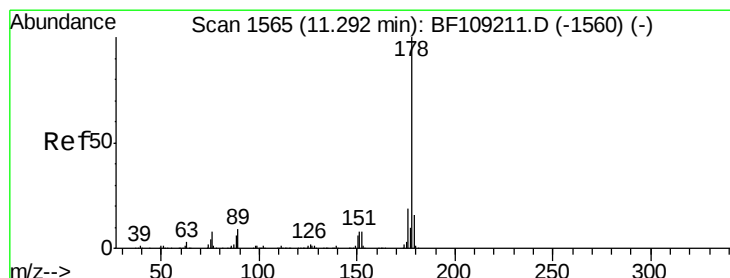
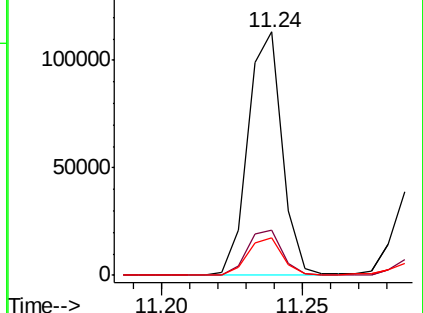
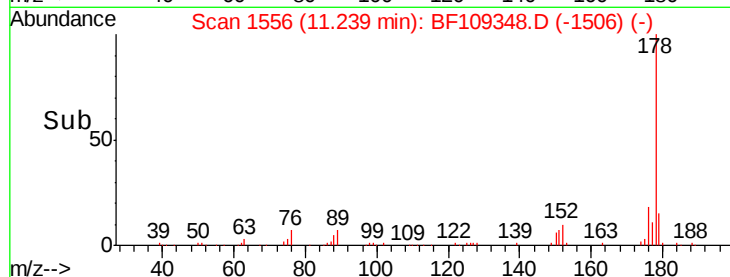
179 15.3 13.0 19.6



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: 2.749 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

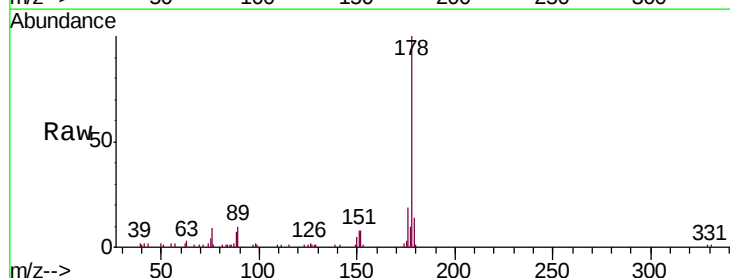
Tgt Ion:178 Resp: 31571

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

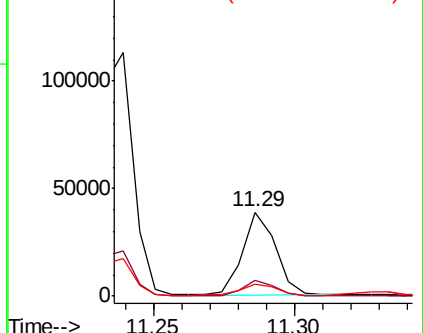
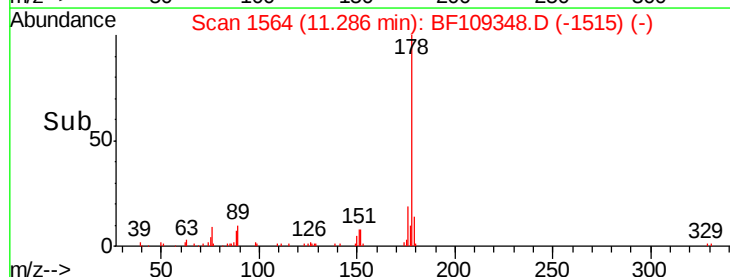
179 14.1 12.6 19.0

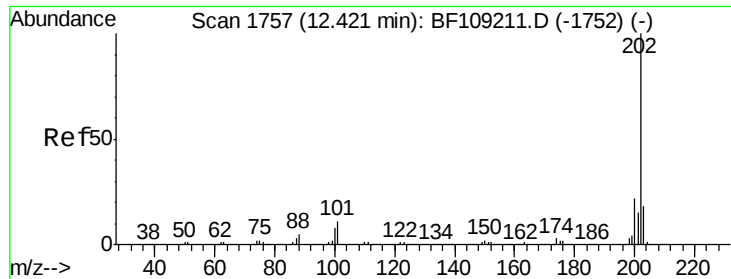


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.983 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

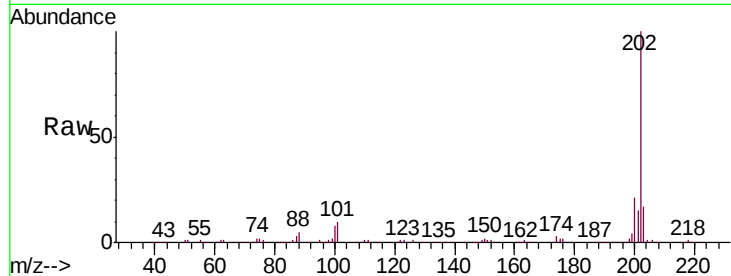
Tgt Ion: 202 Resp: 181329

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

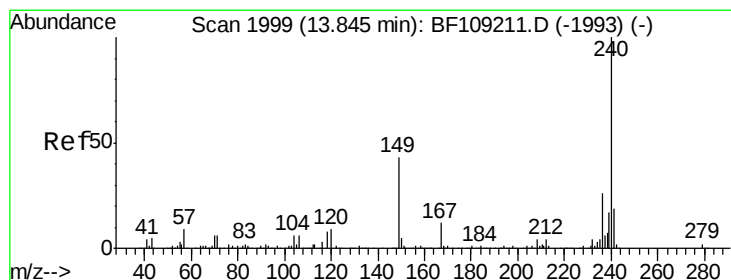
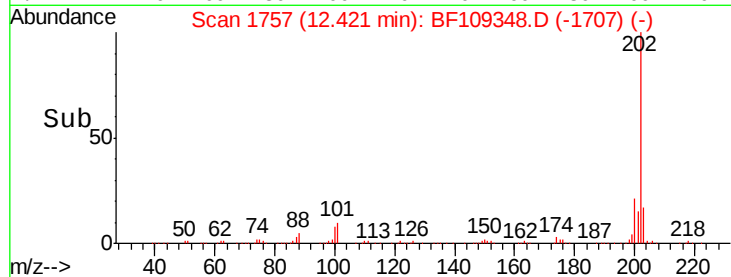
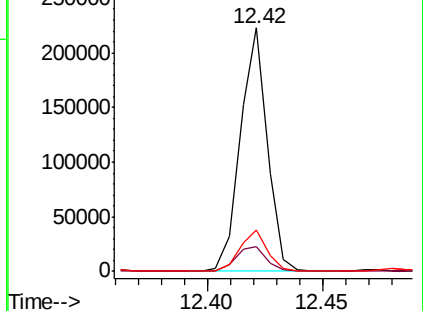
203 17.1 0.0 38.1



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: BF109348.D

Acq: 26 Sep 2018 20:22

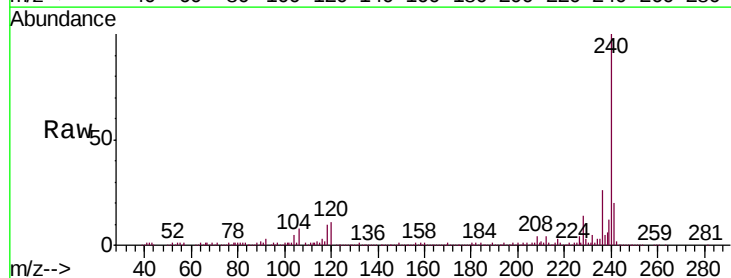
Tgt Ion: 240 Resp: 256312

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

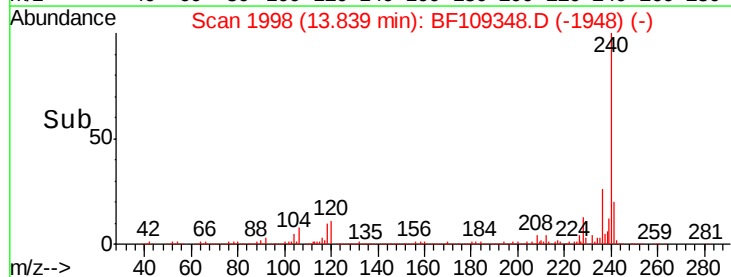
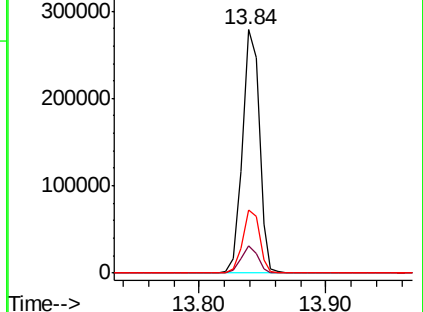
236 26.2 20.7 31.1

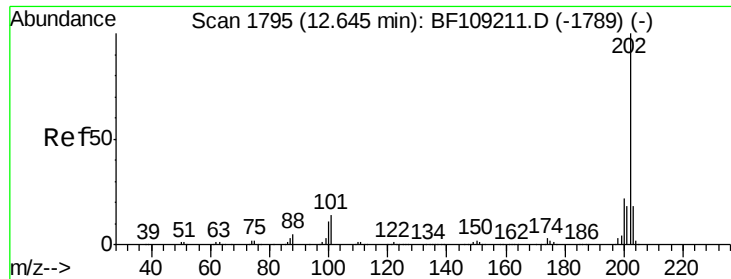


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

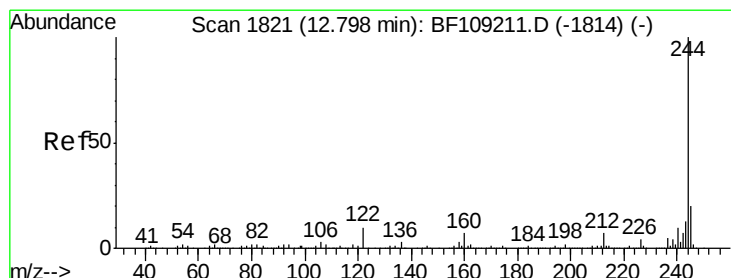
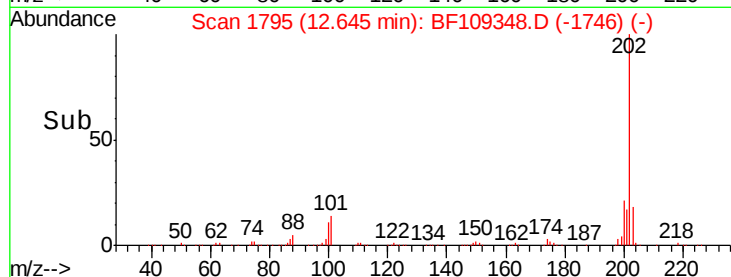
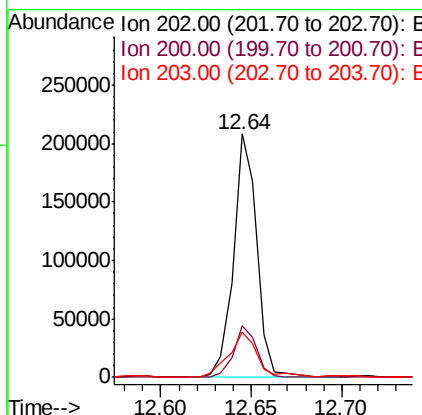
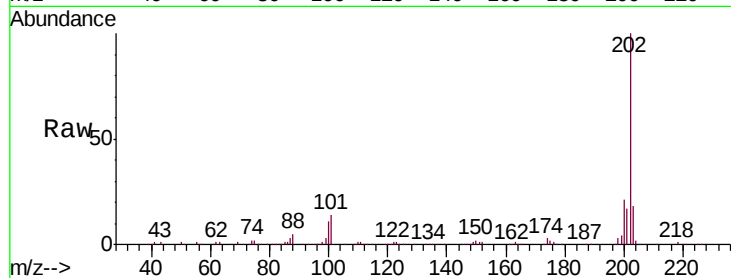




#77
 Pyrene
 Concen: 10.028 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF109348.D
 Acq: 26 Sep 2018 20:22

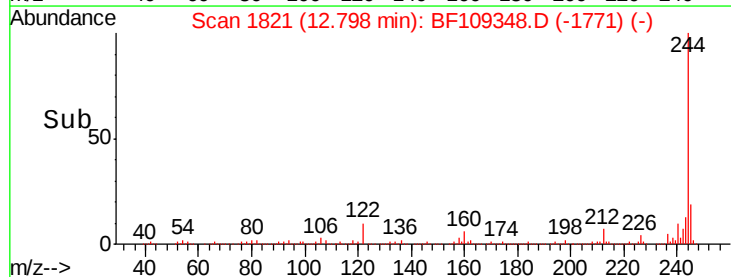
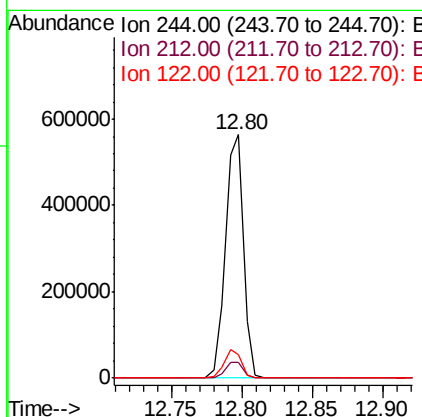
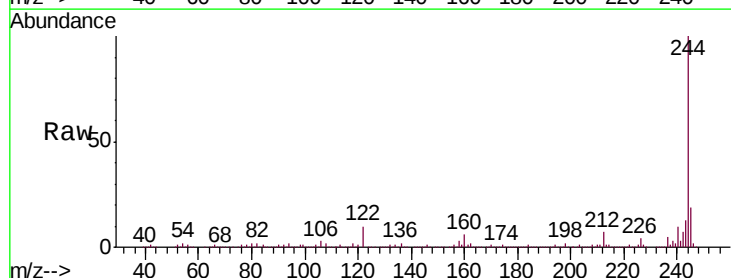
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092518-C

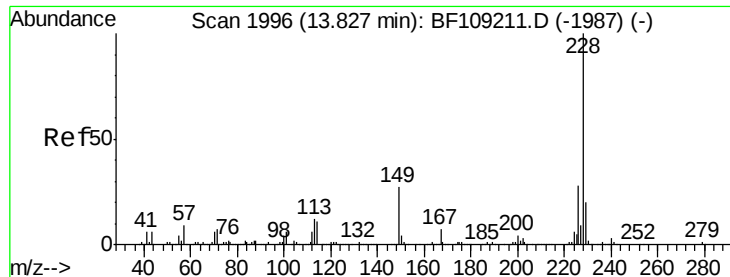
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.4	14.3	21.5



#78
 Terphenyl-d14
 Concen: 47.658 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109348.D
 Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.8	11.0	16.4





#80

Benzo(a)anthracene

Concen: 6.158 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

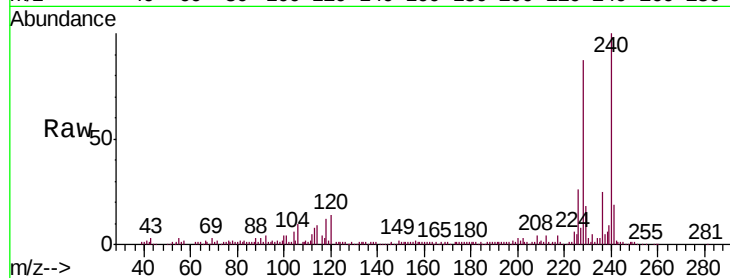
Tgt Ion:228 Resp: 95073

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

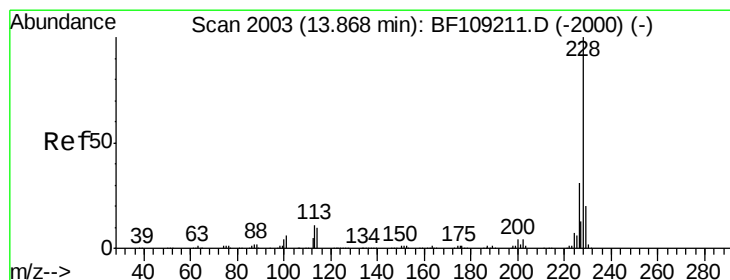
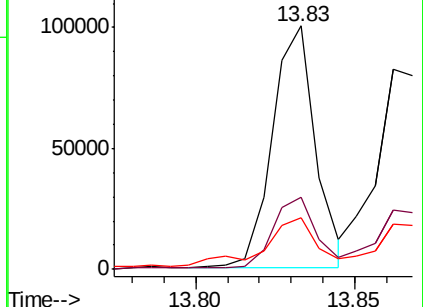
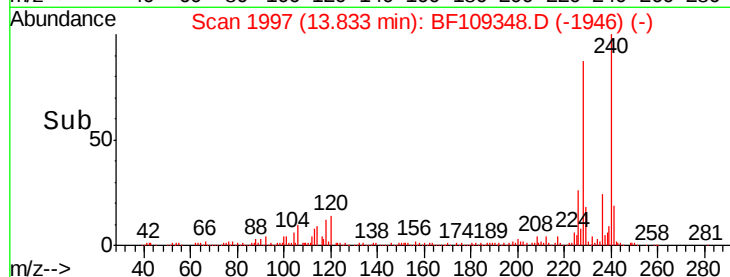
229 21.2 15.8 23.6



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: 5.640 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

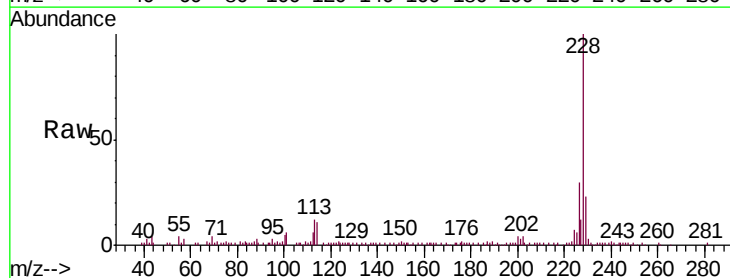
Tgt Ion:228 Resp: 86309

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

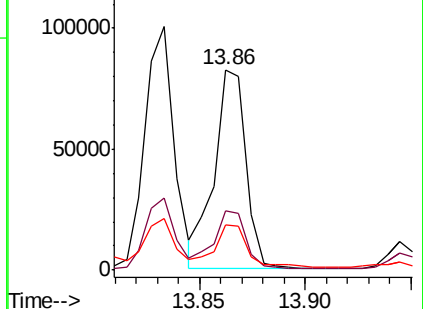
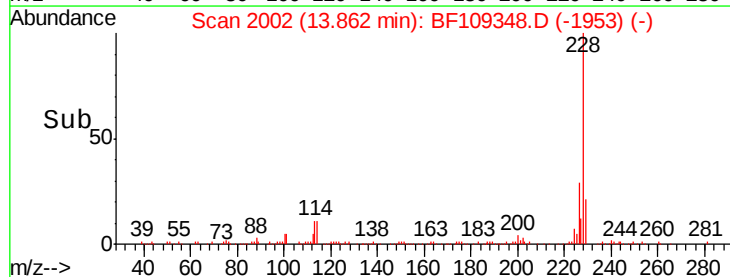
229 22.5 16.2 24.4

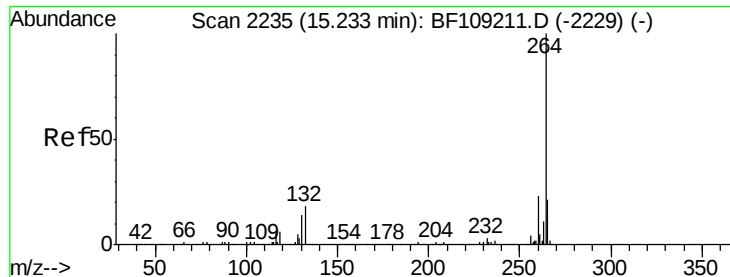


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

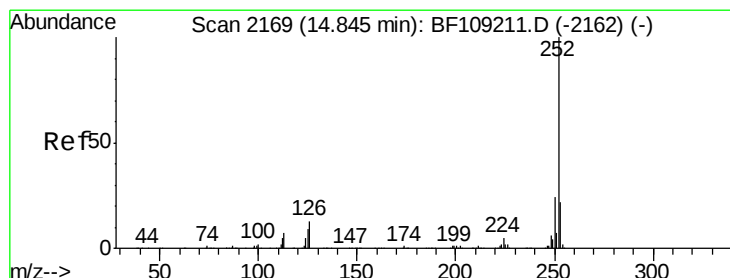
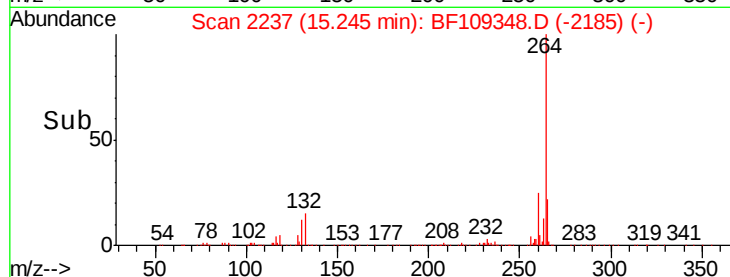
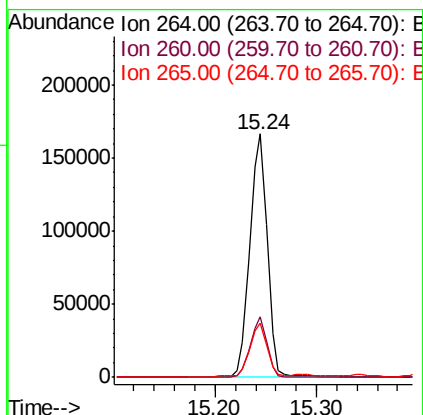
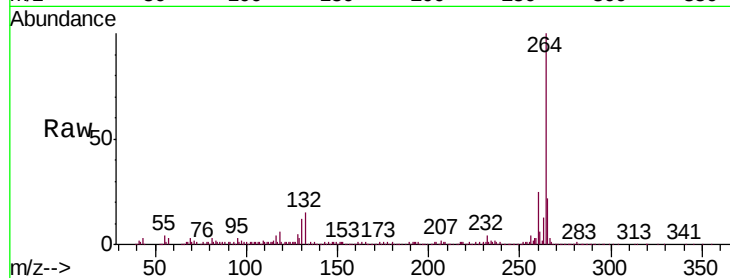




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

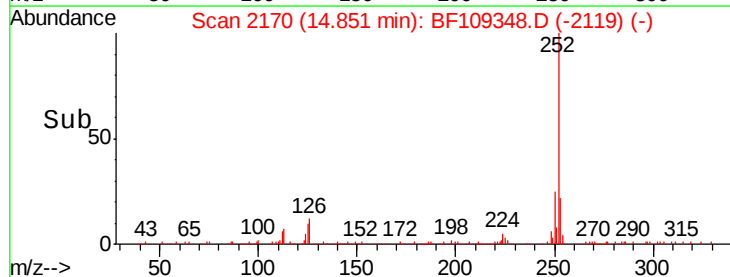
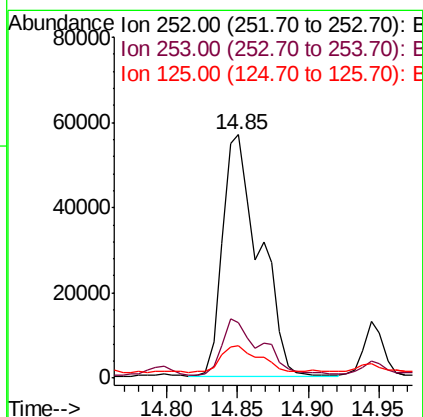
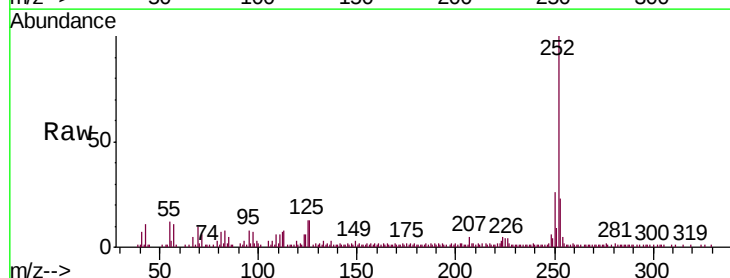
Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

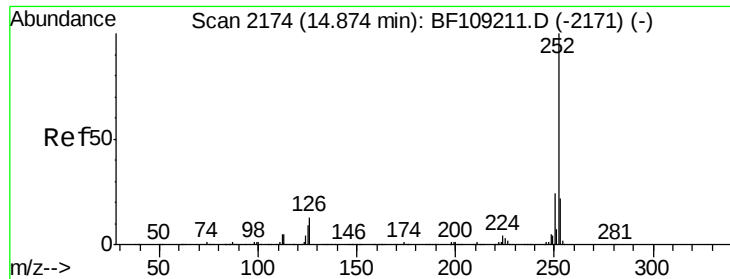
Tgt Ion:264 Resp: 200444
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 9.353 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion:252 Resp: 103018
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.6
125 13.2 9.0 13.6

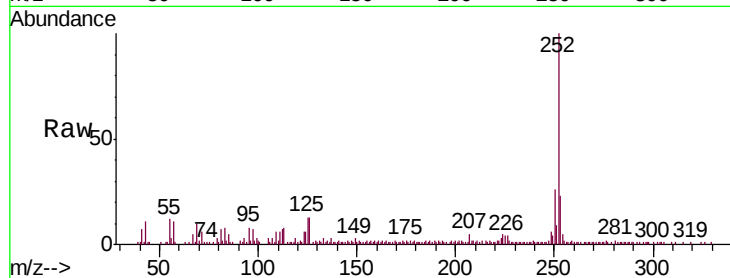




#88
Benzo(k)fluoranthene
Concen: 9.857 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Instrument :
BNA_F
ClientSampleId :
CL-02-092518-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.2	10.2	15.2

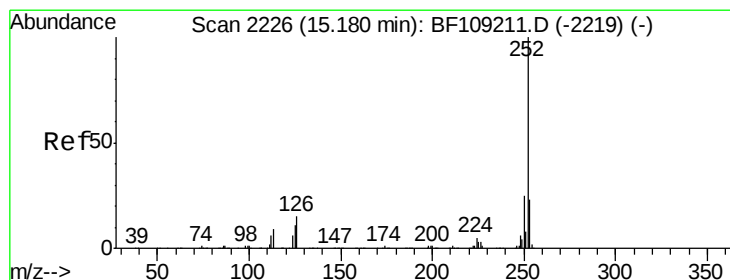
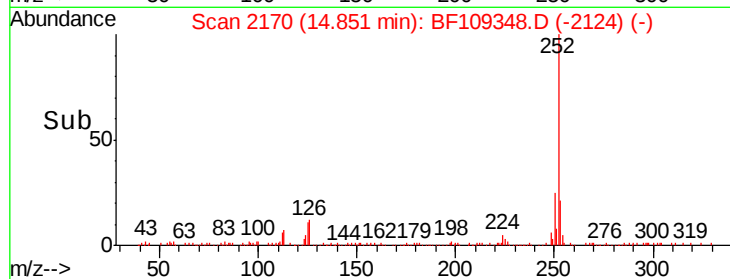
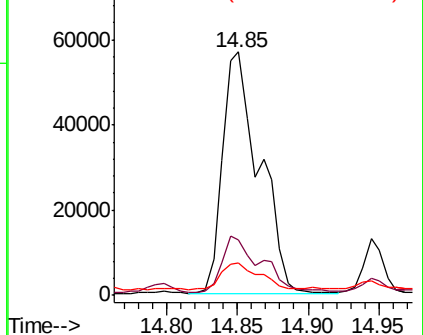


Abundance

Ion 252.00 (251.70 to 252.70): E

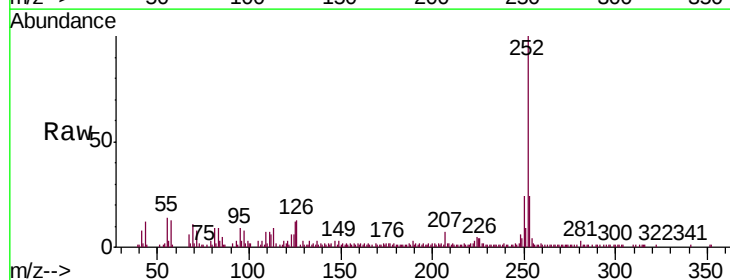
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 5.616 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF109348.D
Acq: 26 Sep 2018 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	11.9	9.8	14.6

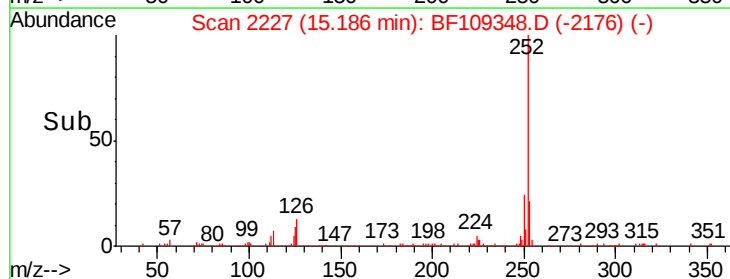
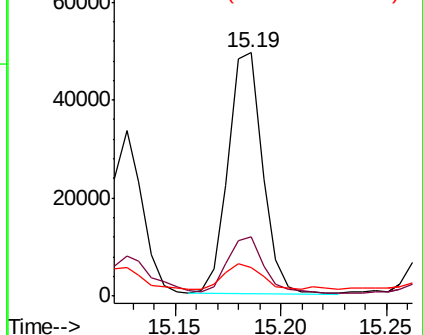


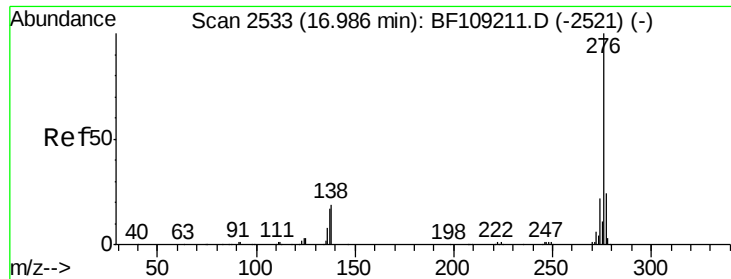
Abundance

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: 3.090 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF109348.D

Acq: 26 Sep 2018 20:22

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-C

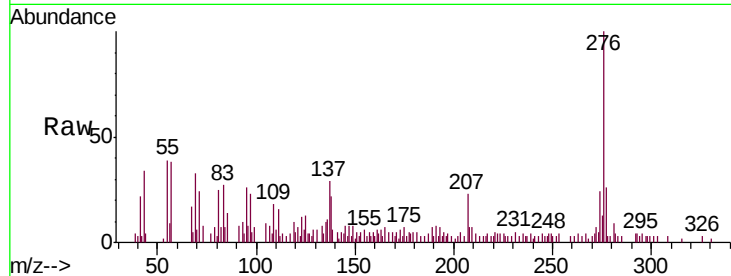
Tgt Ion: 276 Resp: 24730

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 22.2 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

