

Data File : BF109349.D
Acq On : 26 Sep 2018 20:48
Operator : JU/SJ
Sample : J4773-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Sep 27 05:39:59 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	88215	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	288495	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	120644	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	248023	20.00	ng	0.00
75) Chrysene-d12	13.84	240	268458	20.00	ng	0.00
86) Perylene-d12	15.24	264	210238	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	416853	77.83	ng	0.00
7) Phenol-d6	6.35	99	505957	74.03	ng	-0.01
23) Nitrobenzene-d5	7.26	82	304028	62.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	114100	95.94	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	475671	59.46	ng	-0.01
78) Terphenyl-d14	12.80	244	530860	48.53	ng	0.00

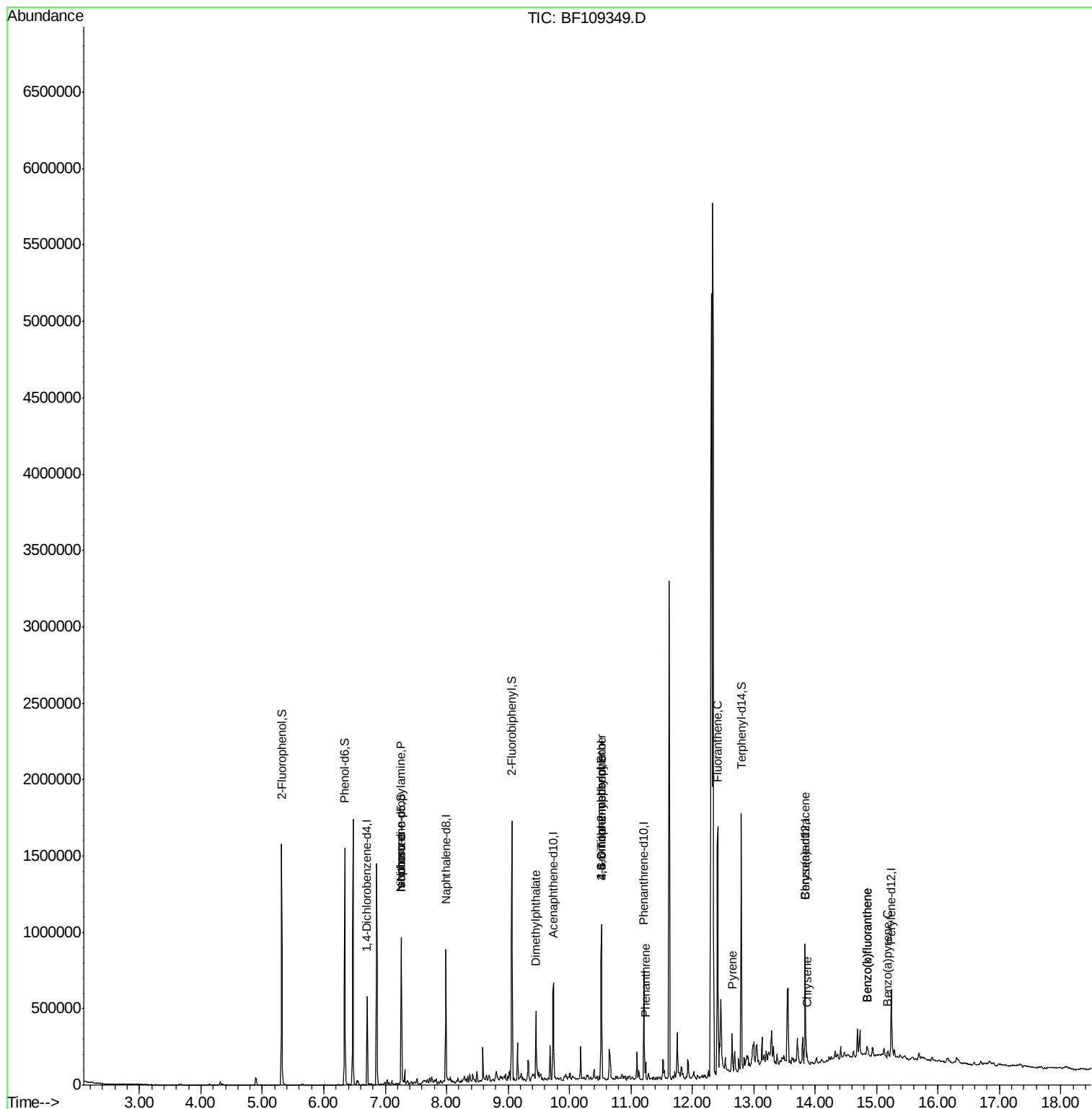
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	41475	9.262	ng	# 78
25) Isophorone	7.26	82	289186	32.860	ng	# 64
49) Dimethylphthalate	9.46	163	154821	17.644	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.52	198	122	6.626	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	6987	2.537	ng	# 1
70) Phenanthrene	11.24	178	38739	3.128	ng	97
74) Fluoranthene	12.42	202	57635	4.355	ng	96
77) Pyrene	12.64	202	71468	3.715	ng	98
80) Benzo(a)anthracene	13.83	228	34155	2.112	ng	95
82) Chrysene	13.87	228	33916	2.116	ng	95
87) Benzo(b)fluoranthene	14.84	252	37801	3.272	ng	# 89
88) Benzo(k)fluoranthene	14.84	252	37801	3.448	ng	# 92
89) Benzo(a)pyrene	15.18	252	21127	2.030	ng	# 91

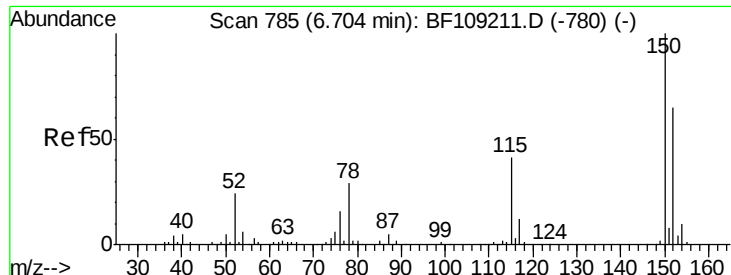
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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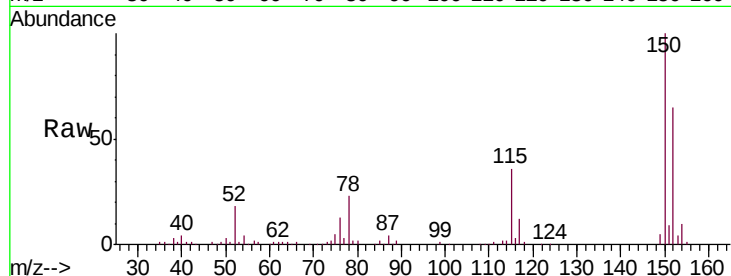




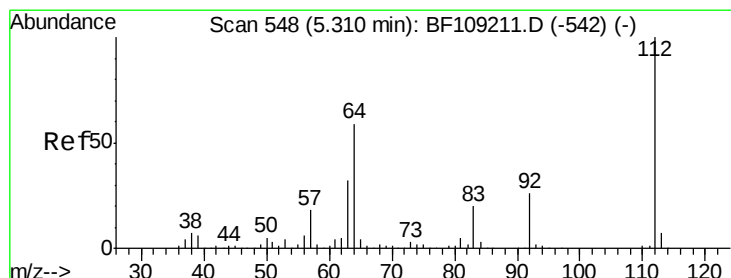
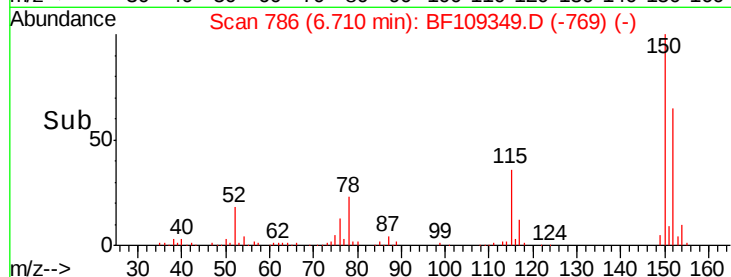
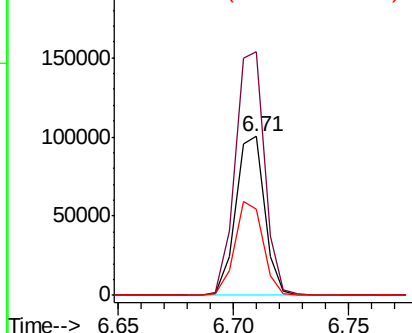
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

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

Tgt Ion:152 Resp: 88215
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.6 186.8
 115 54.6 50.1 75.1

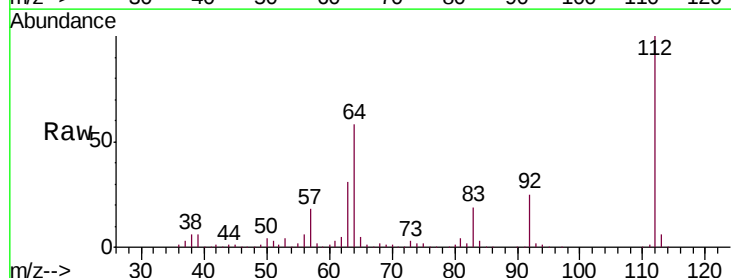


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

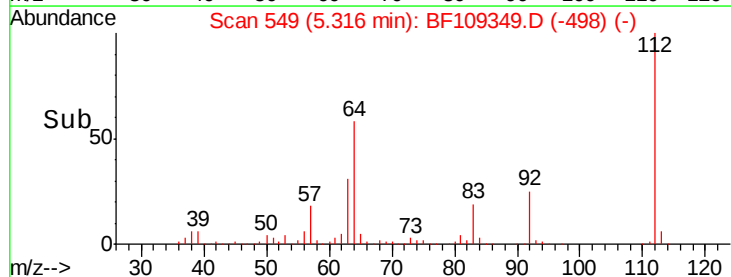
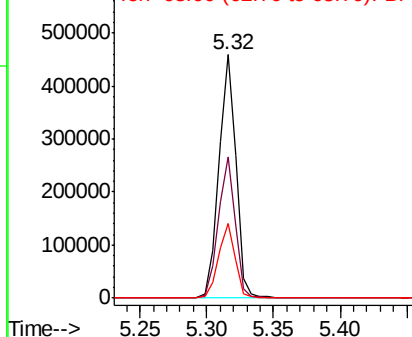


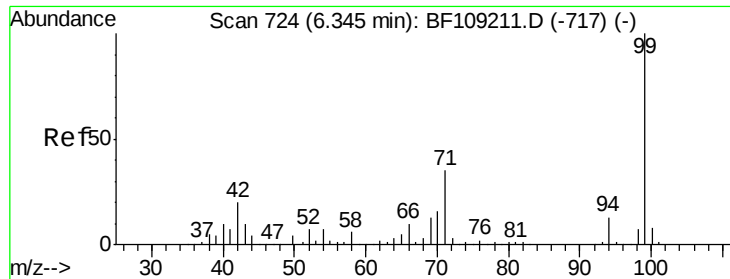
#5
 2-Fluorophenol
 Concen: 77.831 ng
 RT: 5.32 min Scan# 549
 Delta R.T. -0.00 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

Tgt Ion:112 Resp: 416853
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.9 71.9
 63 30.6 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: 74.032 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109349.D

Acq: 26 Sep 2018 20:48

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-D

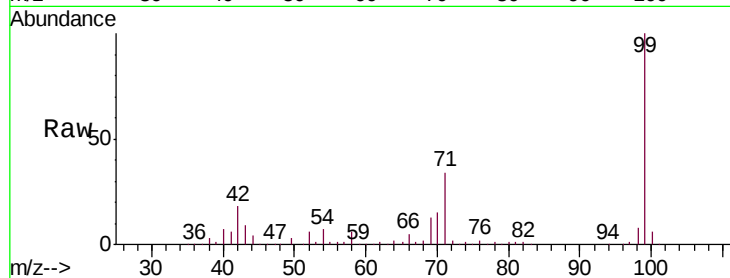
Tgt Ion: 99 Resp: 505957

Ion Ratio Lower Upper

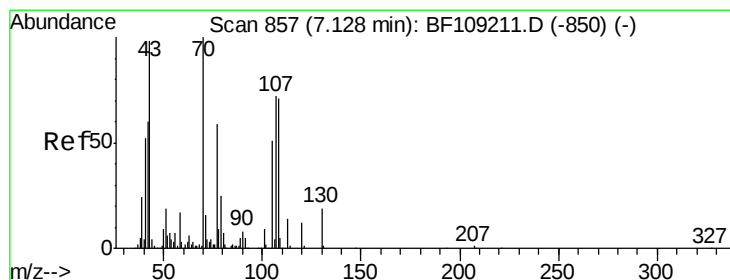
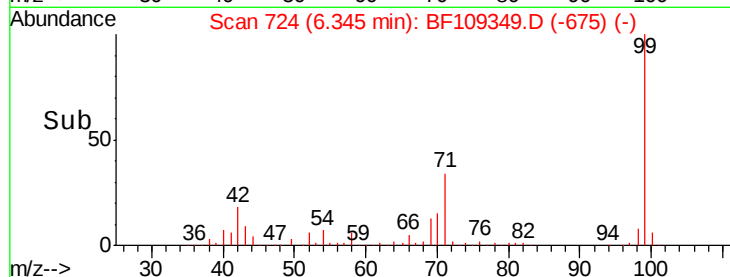
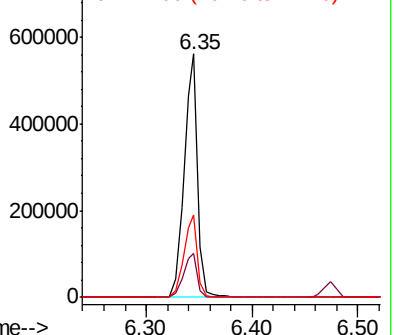
99 100

42 18.1 14.5 21.7

71 33.7 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: 9.262 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109349.D

Acq: 26 Sep 2018 20:48

Tgt Ion: 70 Resp: 41475

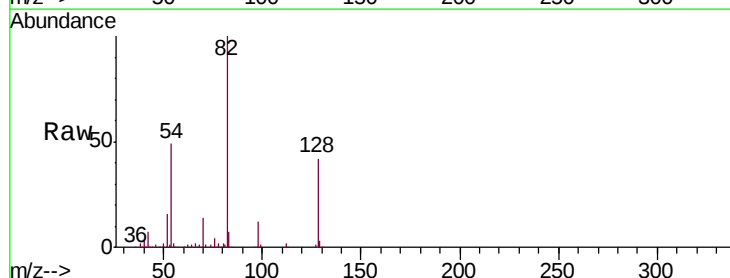
Ion Ratio Lower Upper

70 100

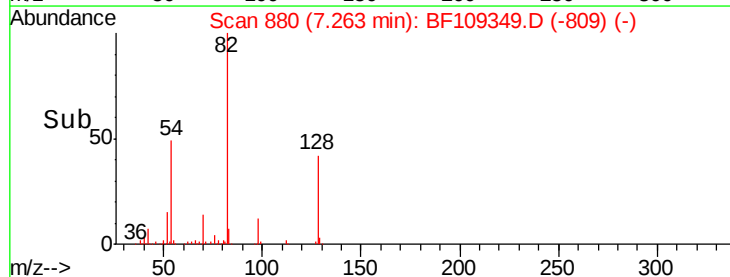
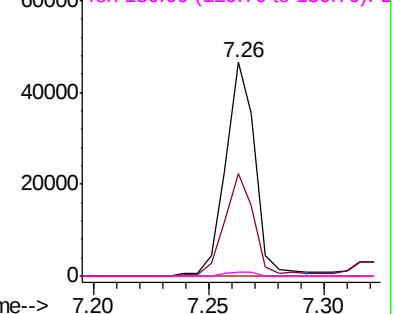
42 48.1 47.5 71.3

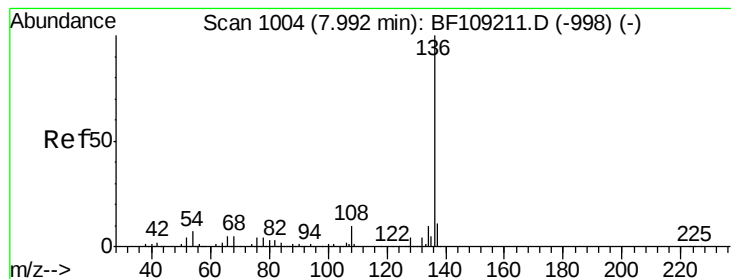
101 0.0 7.4 11.2#

130 1.9 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: BF109349.D

Acq: 26 Sep 2018 20:48

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-D

Tgt Ion: 136 Resp: 288495

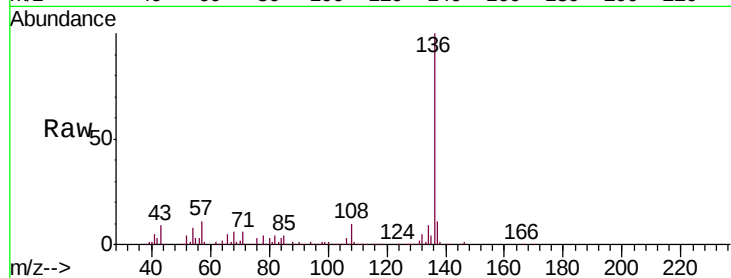
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.6 6.6 9.8

68 6.1 5.0 7.4

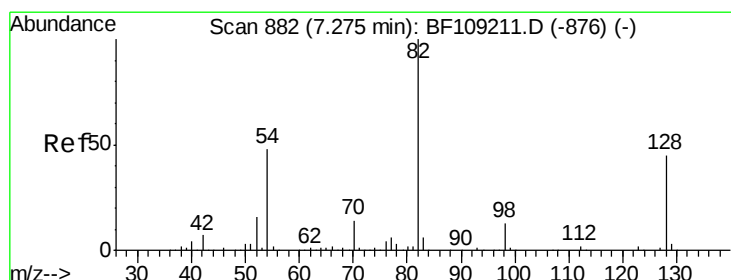
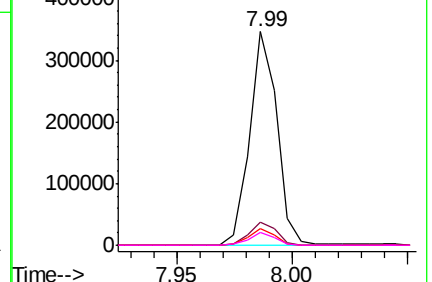
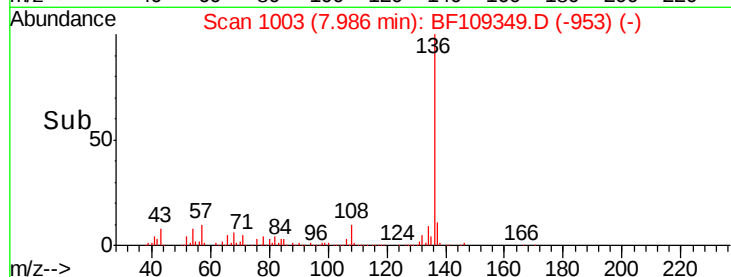


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 62.210 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109349.D

Acq: 26 Sep 2018 20:48

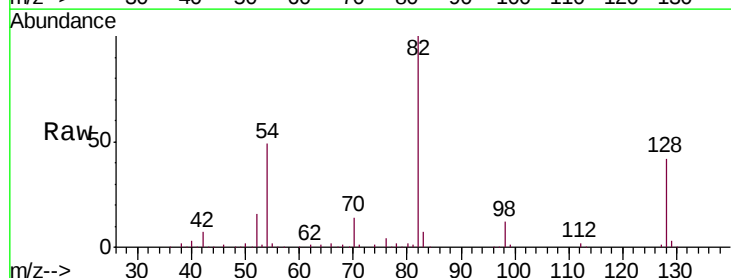
Tgt Ion: 82 Resp: 304028

Ion Ratio Lower Upper

82 100

128 42.4 36.1 54.1

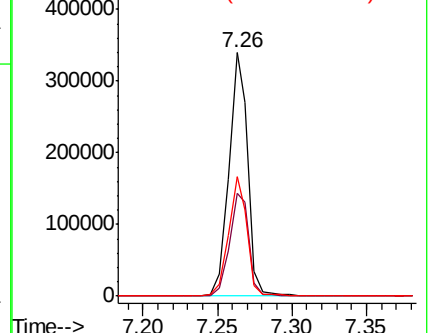
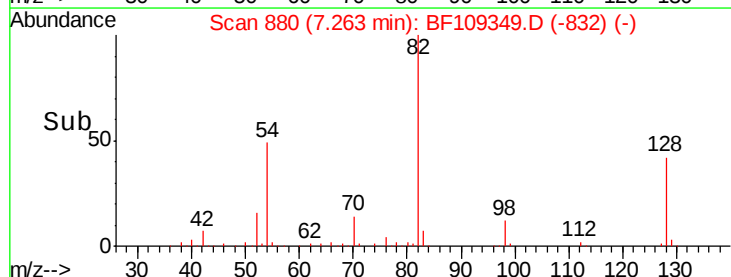
54 49.1 41.4 62.2

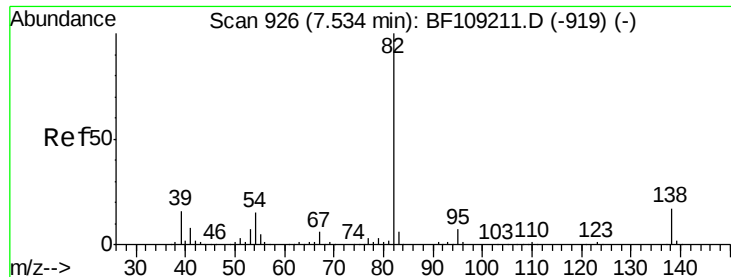


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

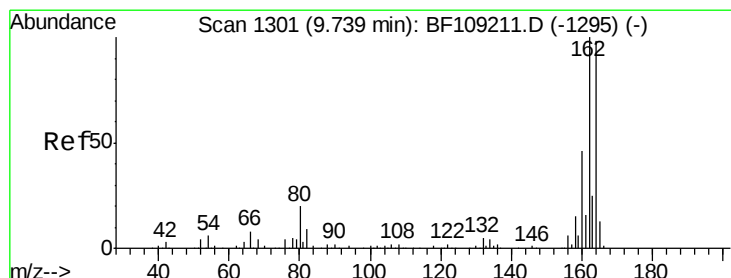
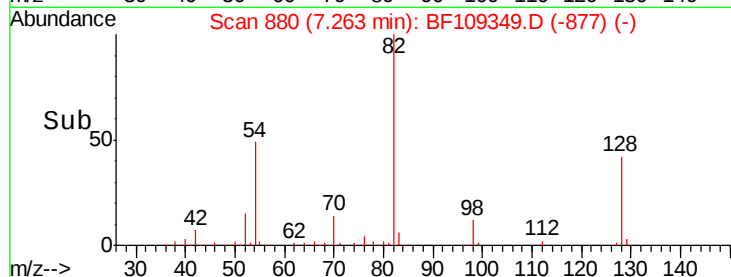
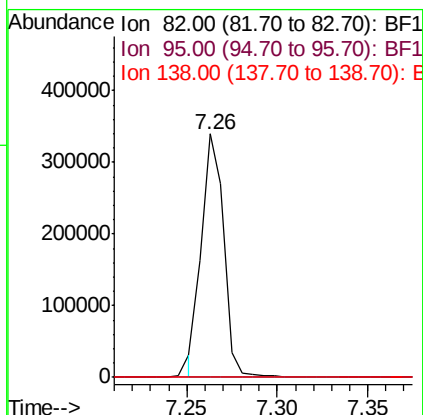
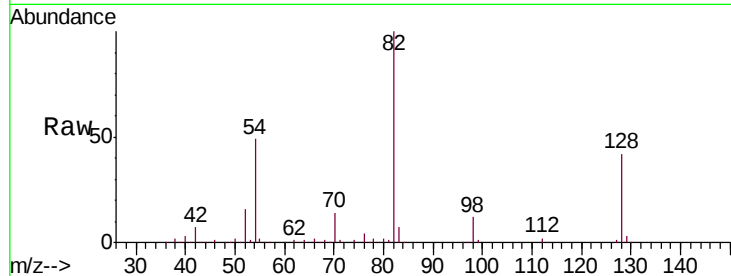




#25
Isophorone
Concen: 32.860 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

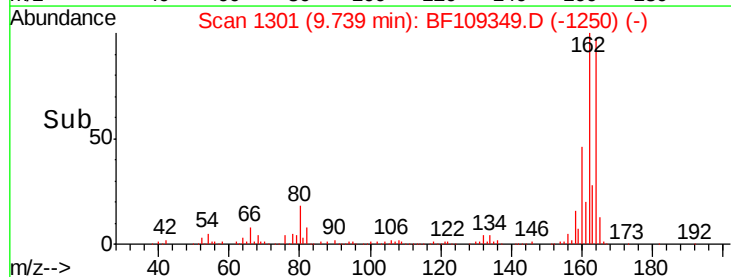
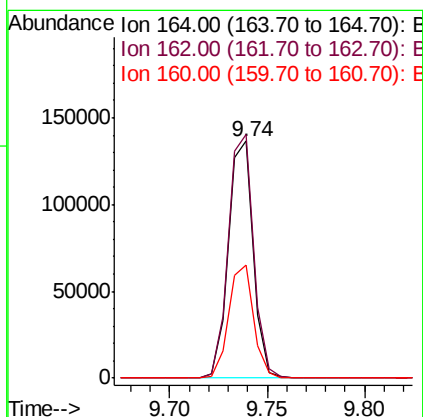
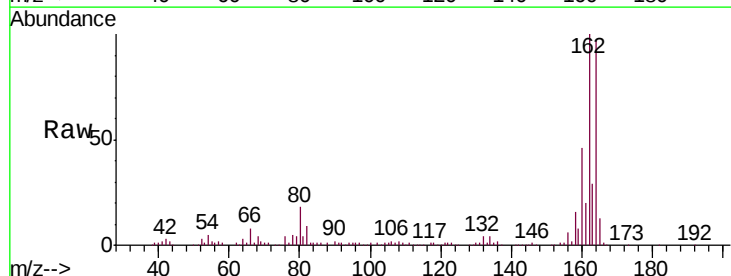
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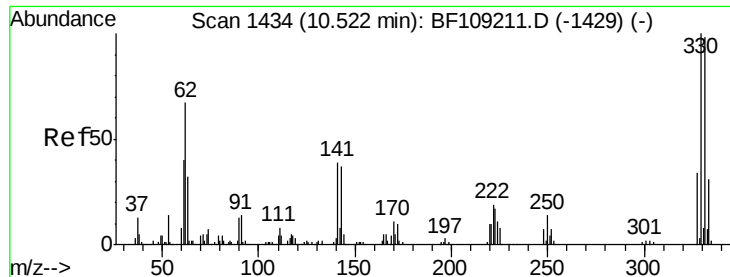
Tgt Ion: 82 Resp: 289186
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

Tgt Ion: 164 Resp: 120644
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 47.6 38.3 57.5

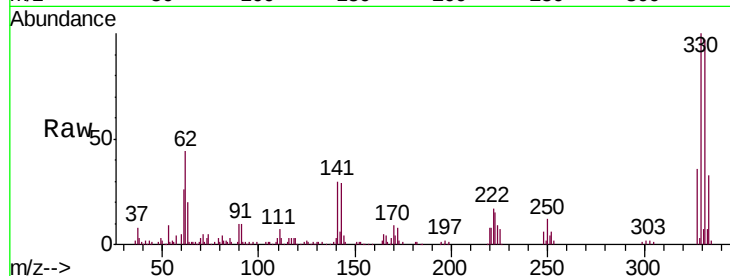




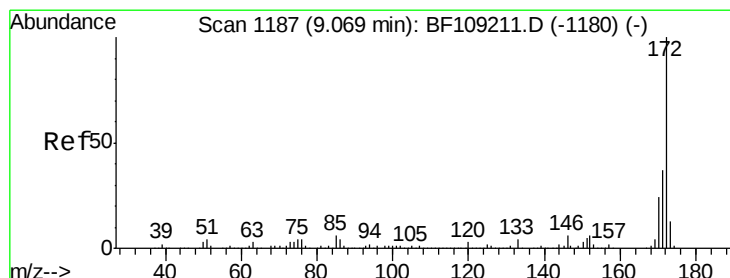
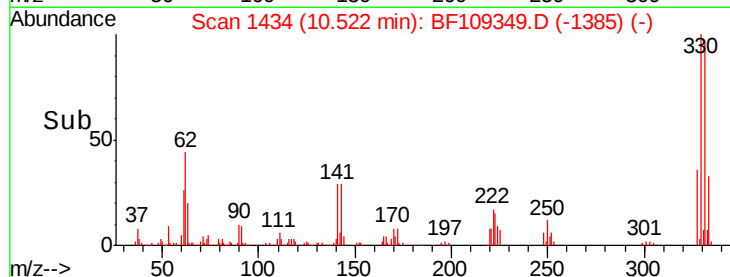
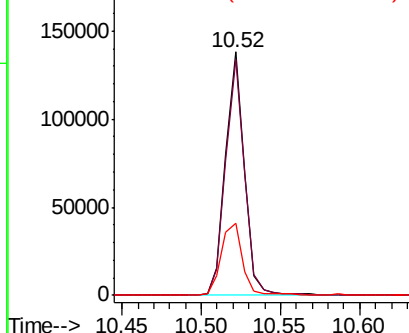
#41
 2,4,6-Tribromophenol
 Concen: 95.939 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

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

Tgt Ion:330 Resp: 114100
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 34.8 29.9 44.9

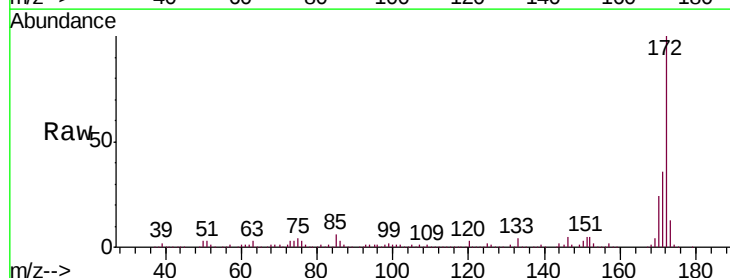


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

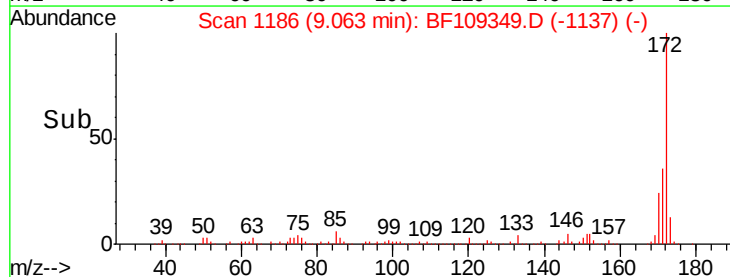
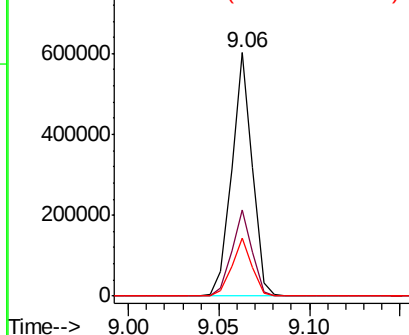


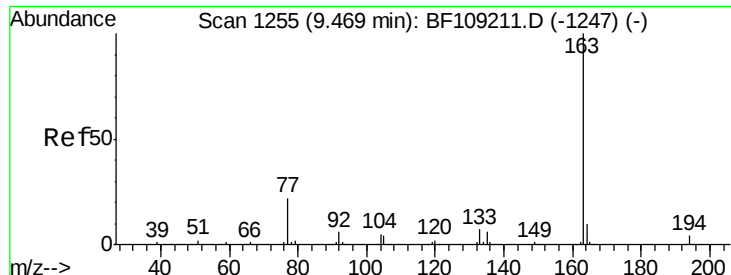
#44
 2-Fluorobiphenyl
 Concen: 59.464 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

Tgt Ion:172 Resp: 475671
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.7 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

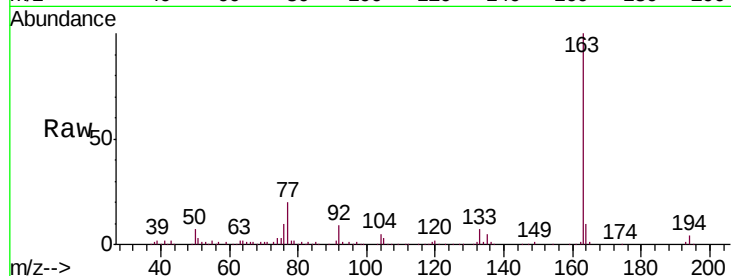




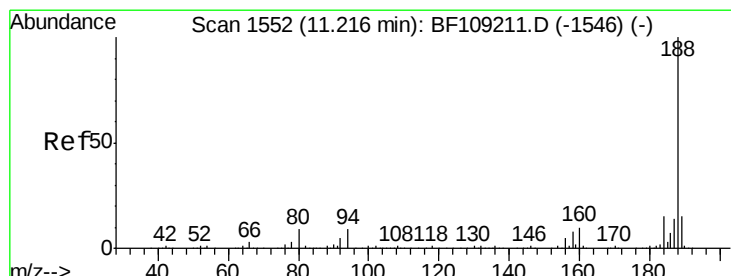
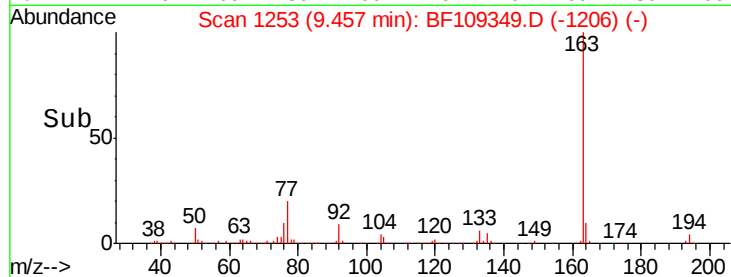
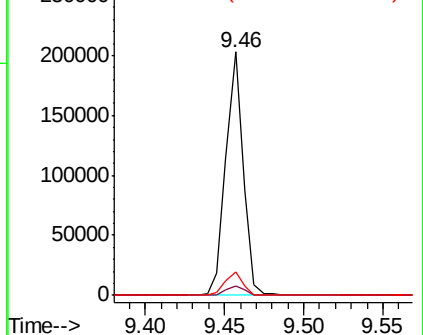
#49
Dimethylphthalate
Concen: 17.644 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

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

Tgt Ion:163 Resp: 154821
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.5 8.2 12.2

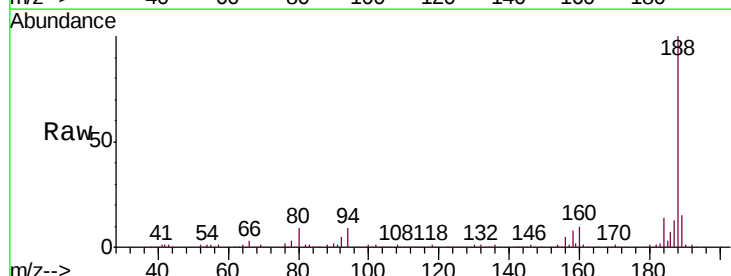


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

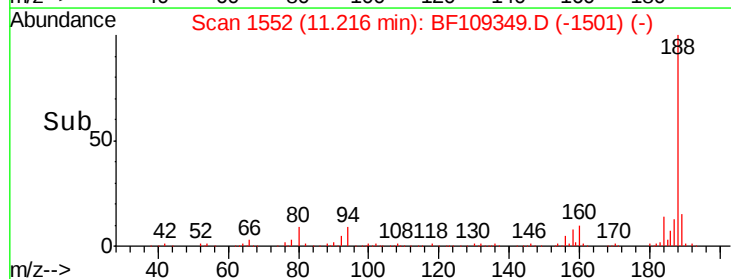
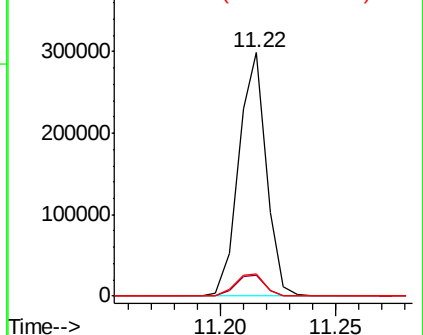


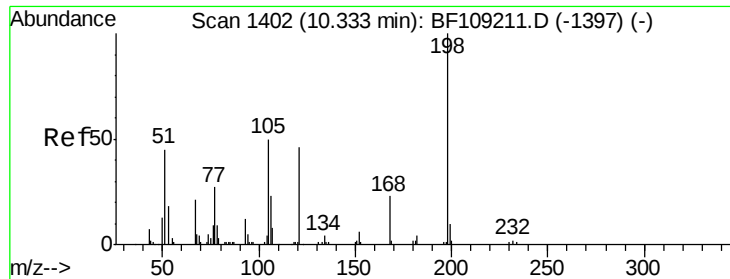
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

Tgt Ion:188 Resp: 248023
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 9.0 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

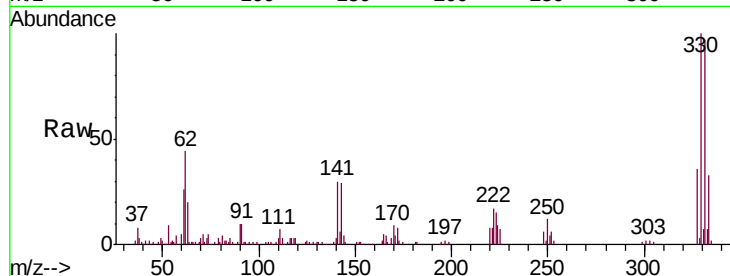




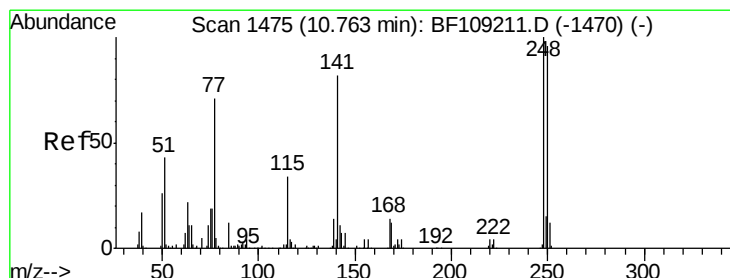
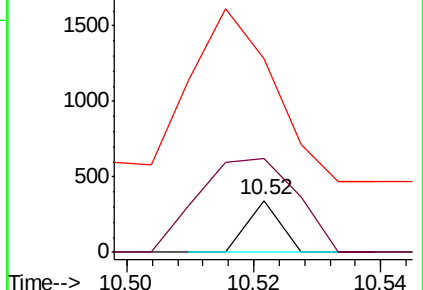
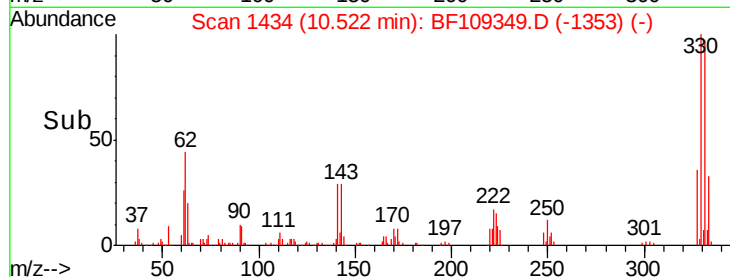
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.626 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

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

Tgt Ion:198 Resp: 122
 Ion Ratio Lower Upper
 198 100
 51 179.4 37.7 77.7#
 105 372.5 36.3 76.3#

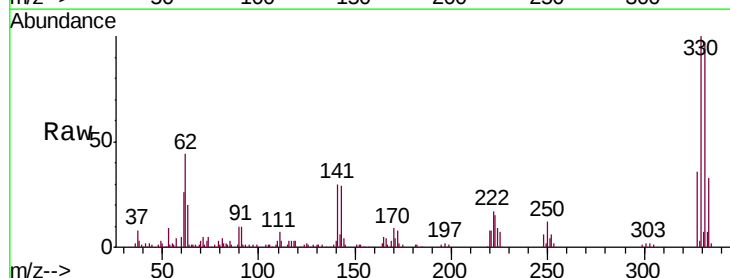


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

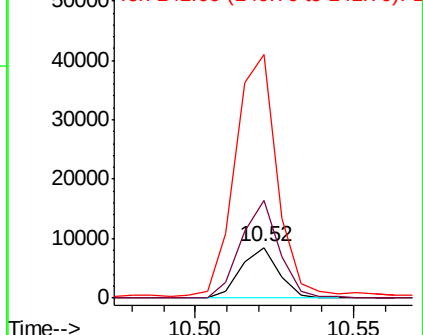
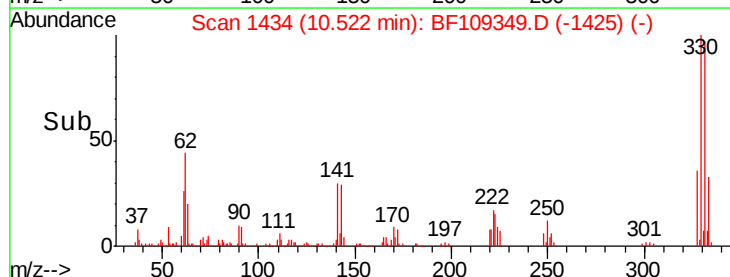


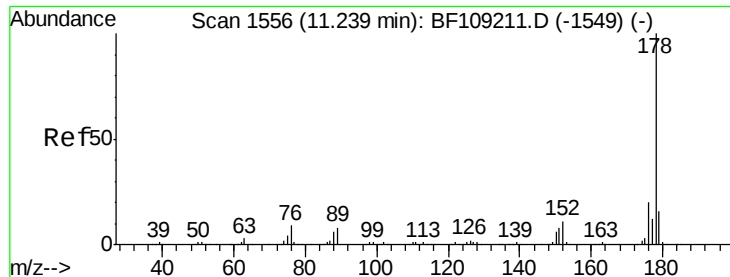
#66
 4-Bromophenyl-phenylether
 Concen: 2.537 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

Tgt Ion:248 Resp: 6987
 Ion Ratio Lower Upper
 248 100
 250 193.6 76.9 115.3#
 141 481.1 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





#70

Phenanthrene

Concen: 3.128 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109349.D

Acq: 26 Sep 2018 20:48

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-D

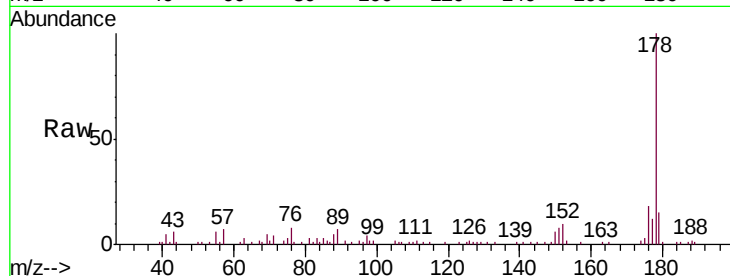
Tgt Ion:178 Resp: 38739

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

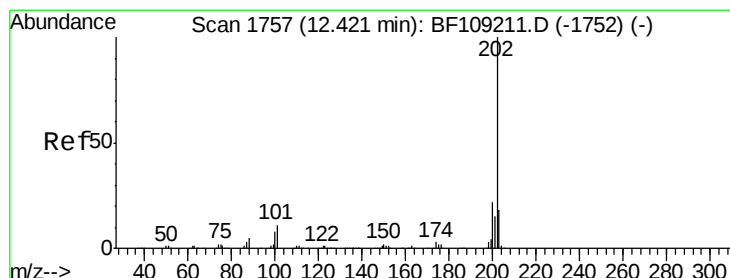
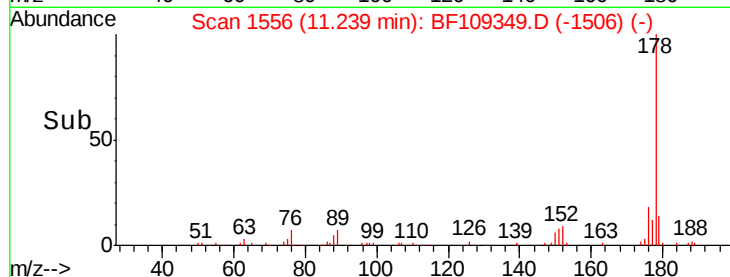
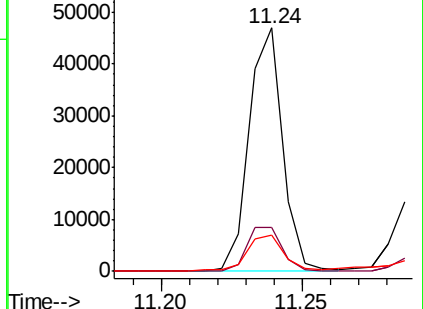
179 15.0 13.0 19.6



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: 4.355 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109349.D

Acq: 26 Sep 2018 20:48

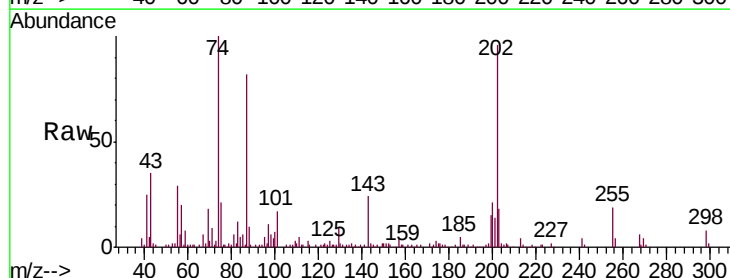
Tgt Ion:202 Resp: 57635

Ion Ratio Lower Upper

202 100

101 17.7 0.0 34.1

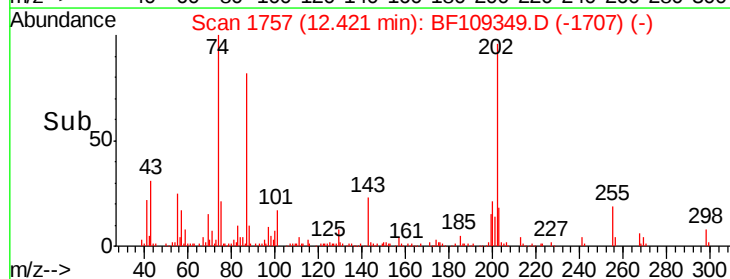
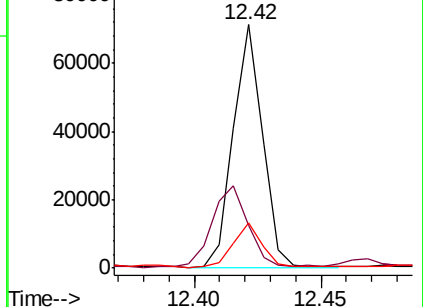
203 18.3 0.0 38.1

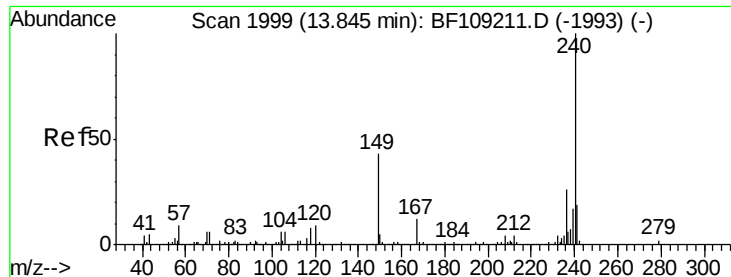


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

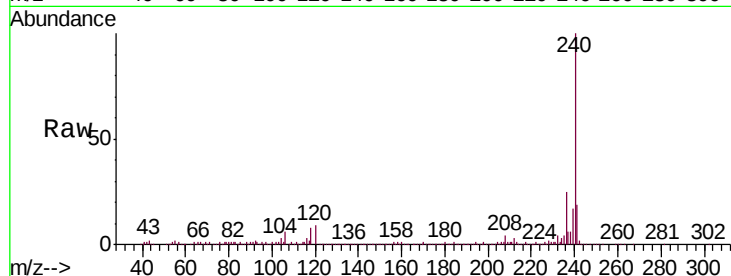




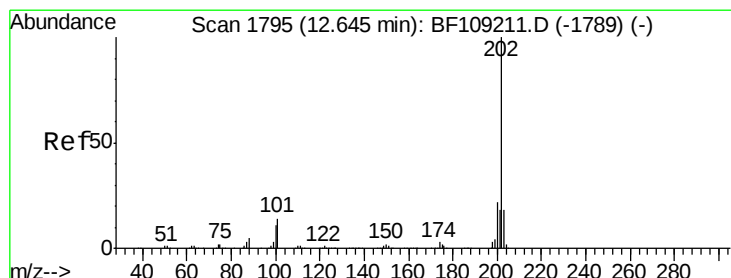
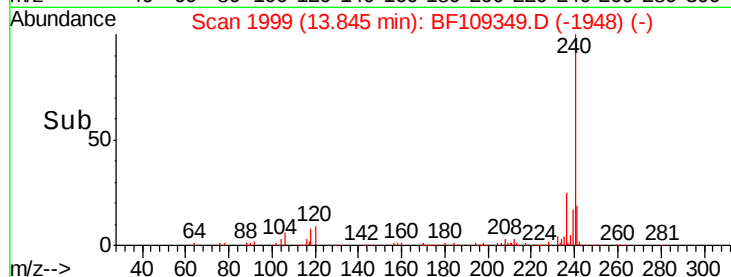
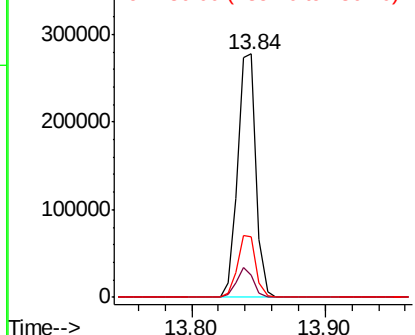
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

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

Tgt Ion: 240 Resp: 268458
Ion Ratio Lower Upper
240 100
120 9.2 9.5 14.3#
236 25.1 20.7 31.1

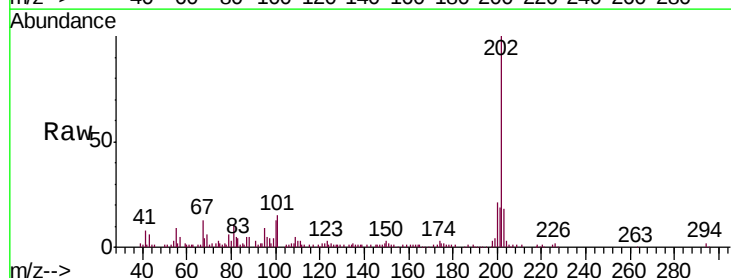


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

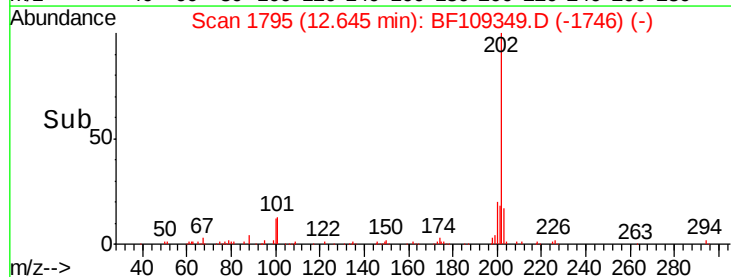
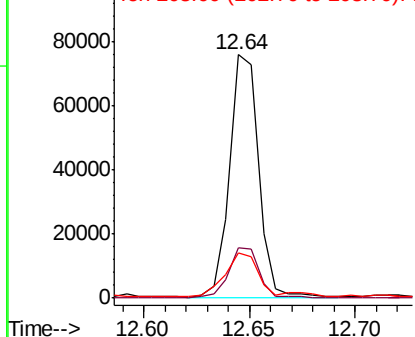


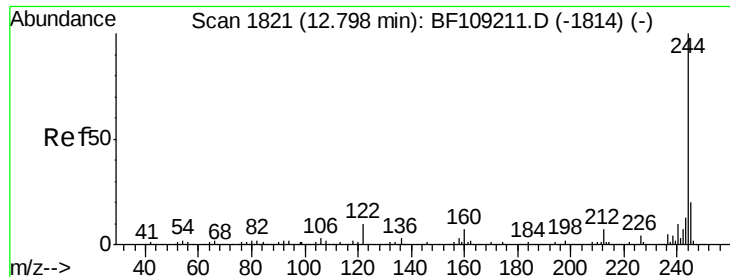
#77
Pyrene
Concen: 3.715 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

Tgt Ion: 202 Resp: 71468
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 18.3 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

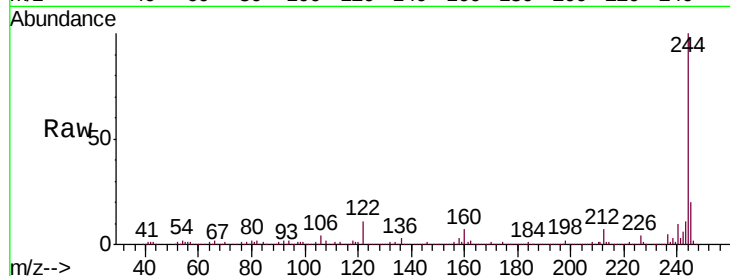




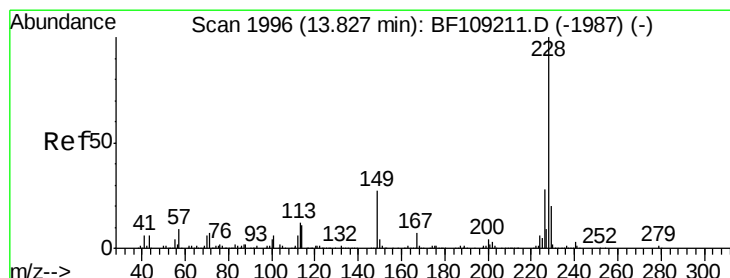
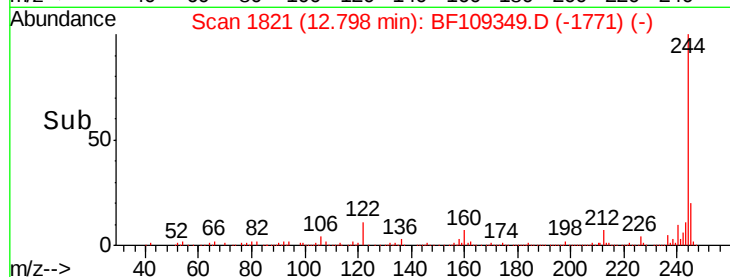
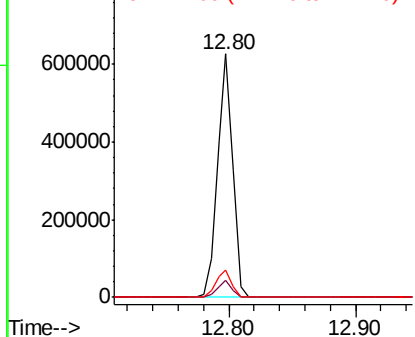
#78
 Terphenyl-d14
 Concen: 48.530 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

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

Tgt Ion: 244 Resp: 530860
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.2 11.0 16.4

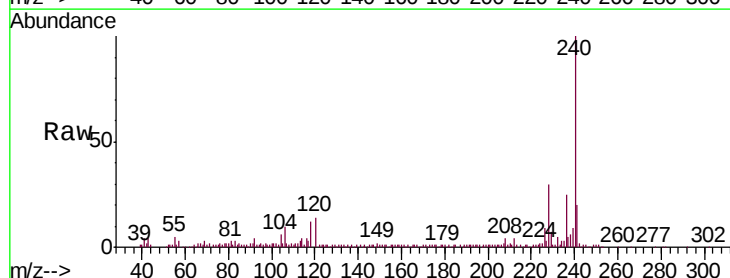


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

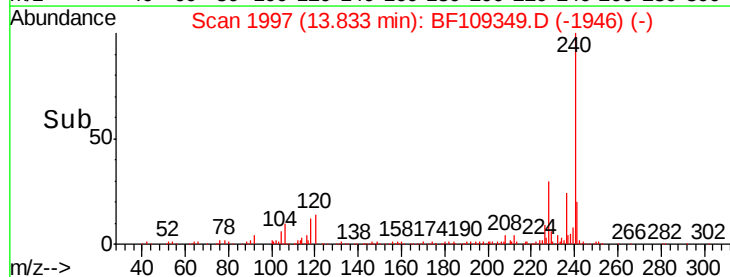
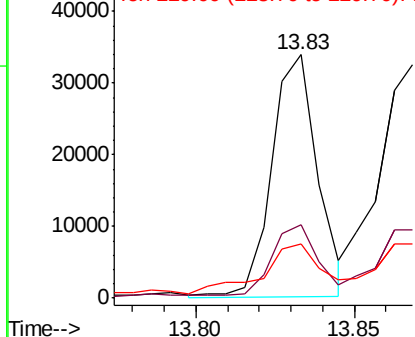


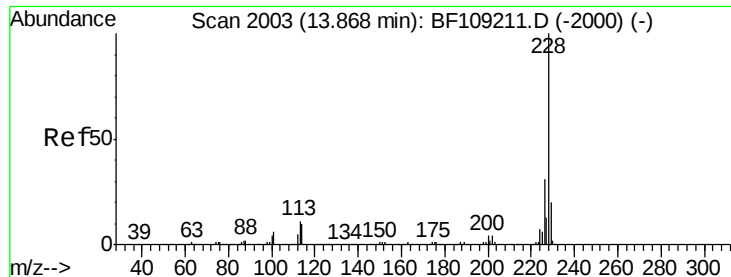
#80
 Benzo(a)anthracene
 Concen: 2.112 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. -0.00 min
 Lab File: BF109349.D
 Acq: 26 Sep 2018 20:48

Tgt Ion: 228 Resp: 34155
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 33.8
 229 22.5 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: 2.116 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109349.D

Acq: 26 Sep 2018 20:48

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-D

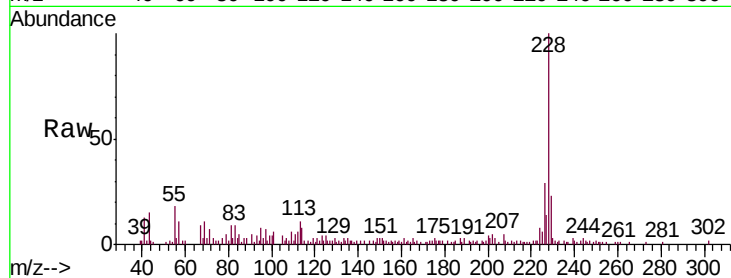
Tgt Ion:228 Resp: 33916

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

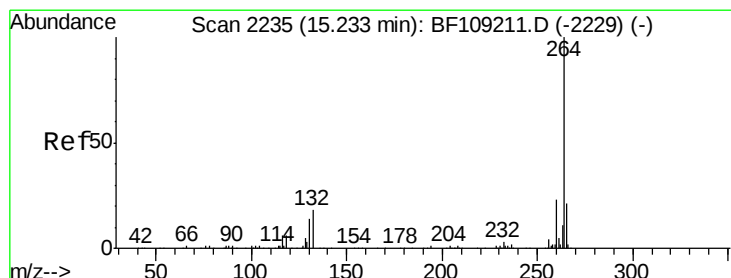
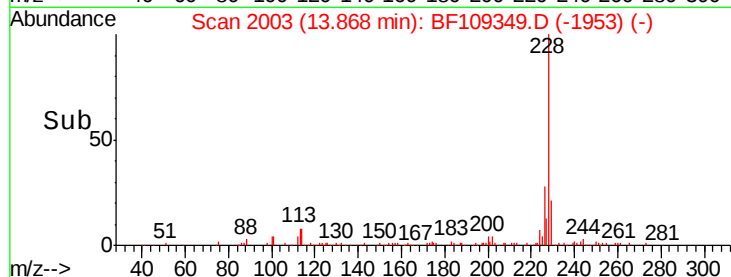
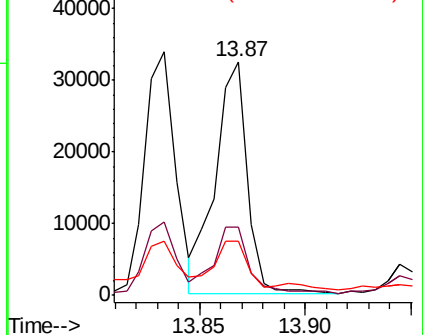
229 23.2 16.2 24.4



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: BF109349.D

Acq: 26 Sep 2018 20:48

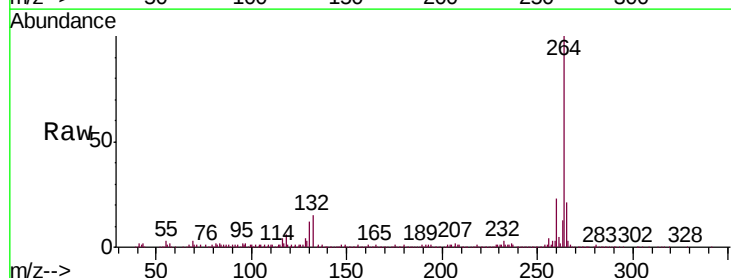
Tgt Ion:264 Resp: 210238

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

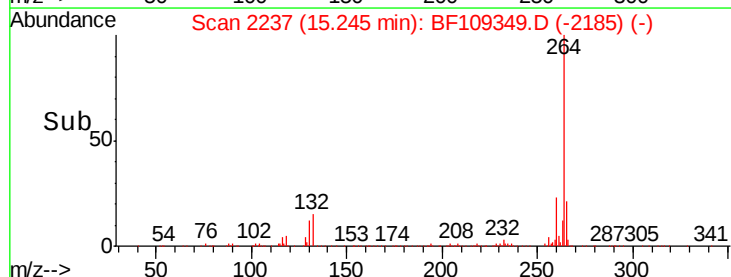
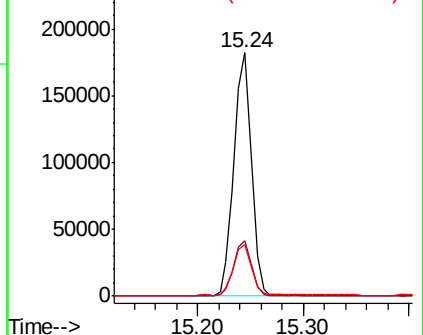
265 21.2 17.5 26.3

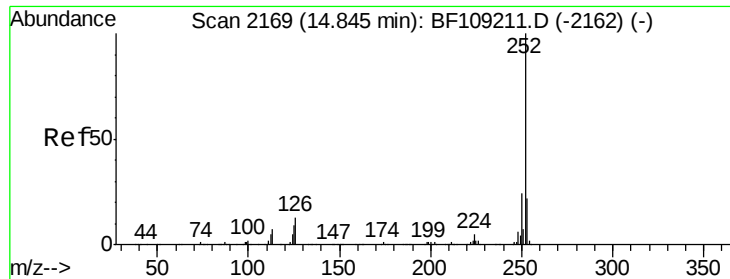


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

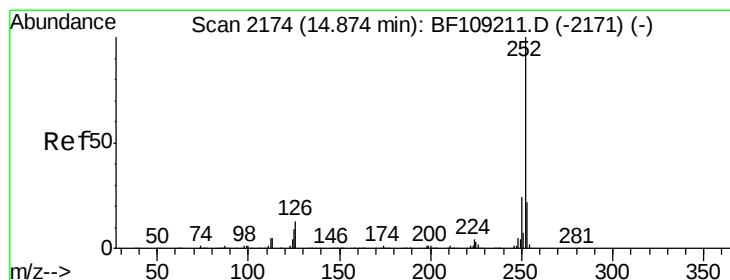
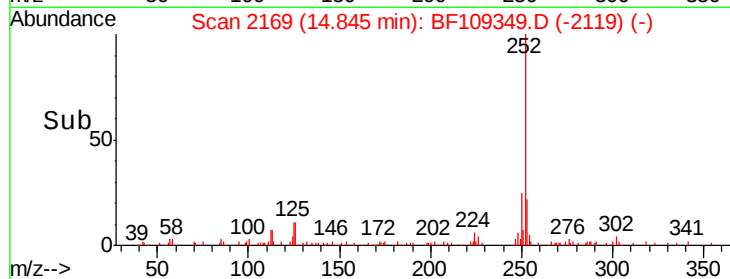
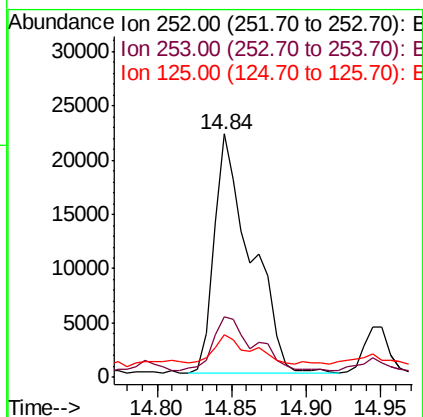
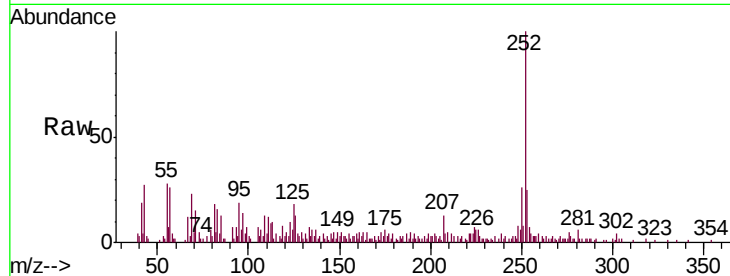




#87
Benzo(b)fluoranthene
Concen: 3.272 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

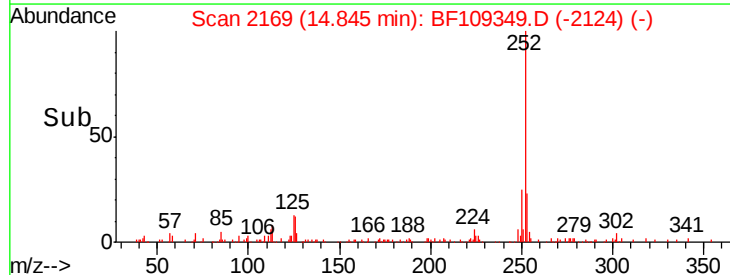
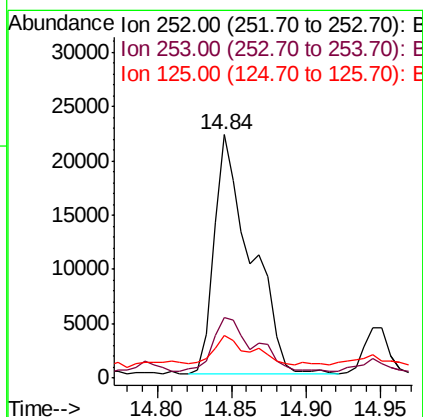
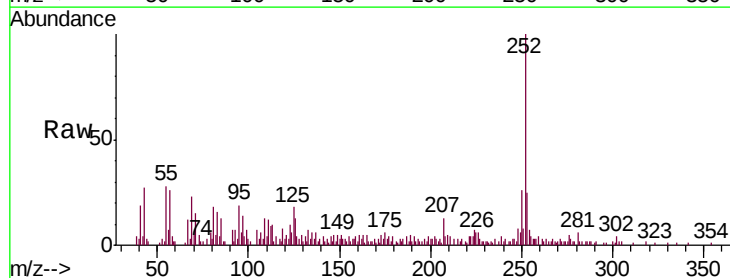
Instrument :
BNA_F
ClientSampleId :
CL-02-092518-D

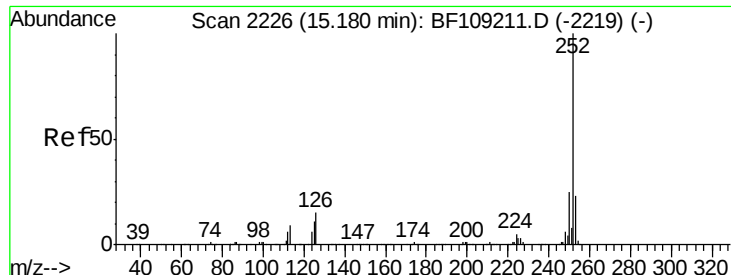
Tgt Ion:252 Resp: 37801
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 17.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.448 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109349.D
Acq: 26 Sep 2018 20:48

Tgt Ion:252 Resp: 37801
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 17.8 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.030 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109349.D

Acq: 26 Sep 2018 20:48

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-D

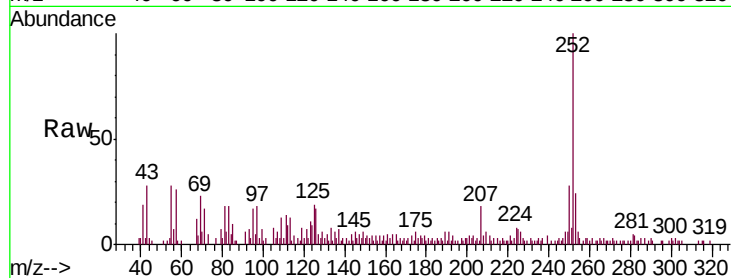
Tgt Ion:252 Resp: 21127

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 18.5 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

