

Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Sep 27 05:39:32 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

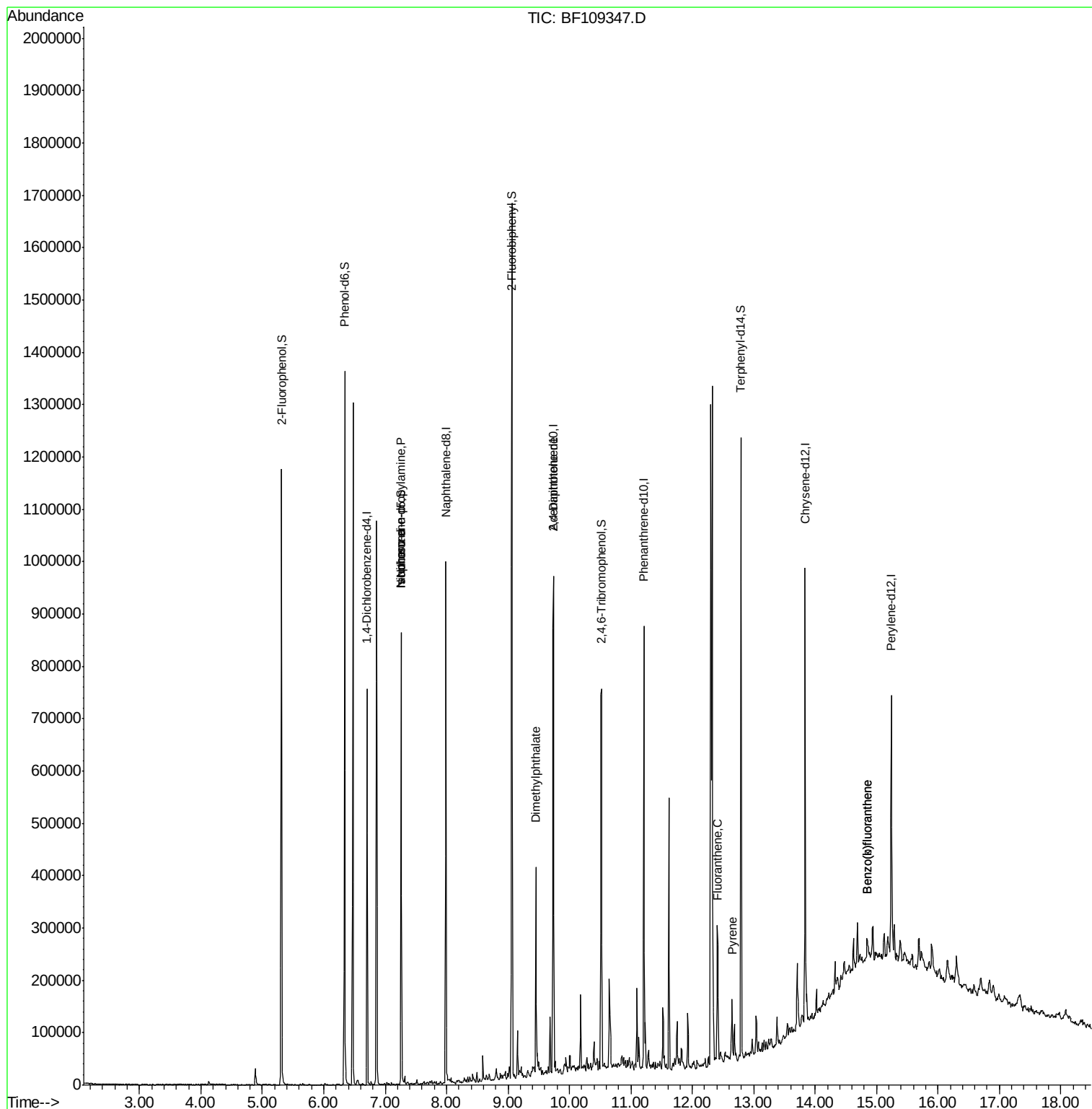
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	100578	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	396566	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	180797	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	309012	20.00	ng	0.00
75) Chrysene-d12	13.84	240	276397	20.00	ng	0.00
86) Perylene-d12	15.24	264	233505	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	304808	49.92	ng	0.00
7) Phenol-d6	6.34	99	398143	51.10	ng	-0.02
23) Nitrobenzene-d5	7.26	82	244604	36.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	92988	52.17	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	453666	37.84	ng	-0.01
78) Terphenyl-d14	12.79	244	378228	33.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	33262	6.515	ng	# 75
25) Isophorone	7.26	82	226620	18.733	ng	# 64
49) Dimethylphthalate	9.46	163	143966	10.948	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	23673	7.184	ng	# 24
74) Fluoranthene	12.42	202	45682	2.771	ng	95
77) Pyrene	12.64	202	45538	2.299	ng	100
87) Benzo(b)fluoranthene	14.84	252	32588	2.540	ng	# 85
88) Benzo(k)fluoranthene	14.84	252	32588	2.677	ng	# 88

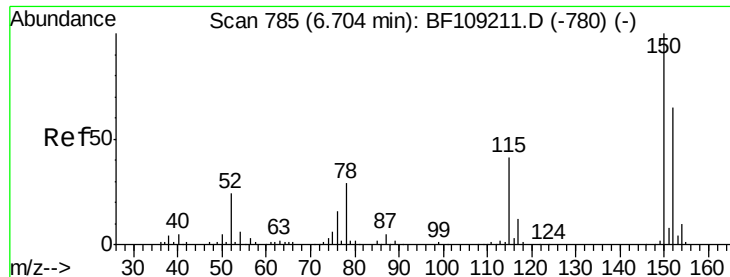
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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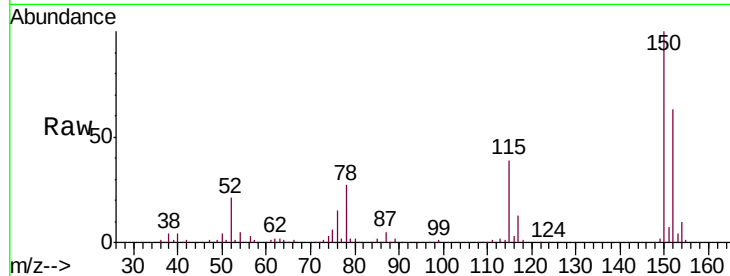


#1

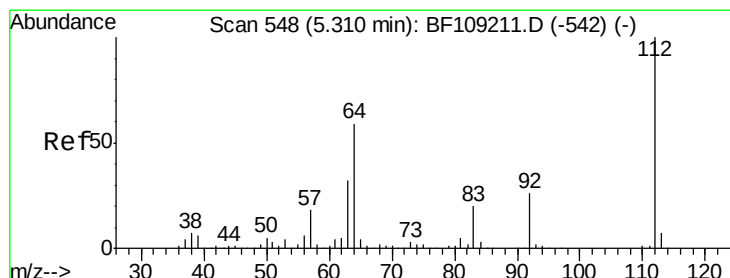
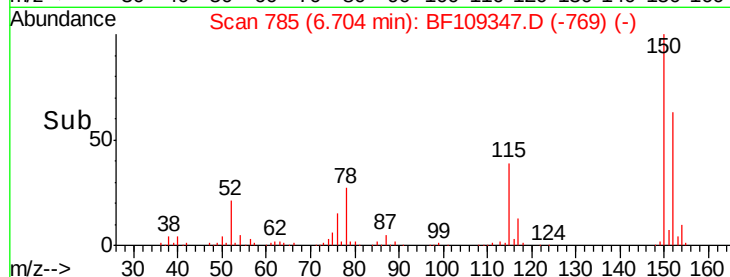
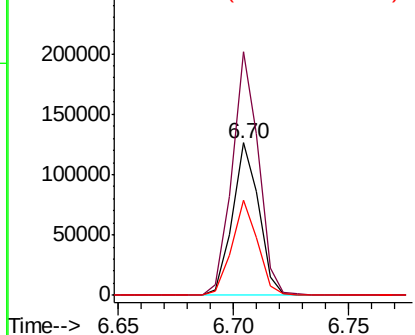
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

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

Tgt Ion:152 Resp: 100578
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 62.4 50.1 75.1



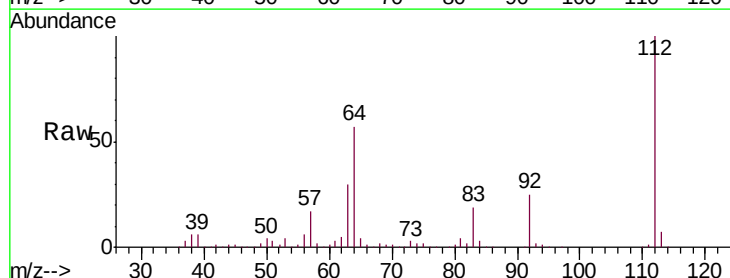
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



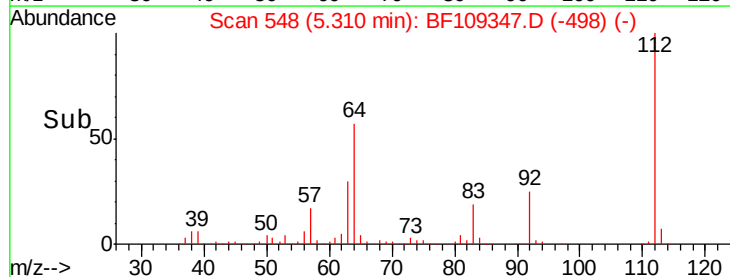
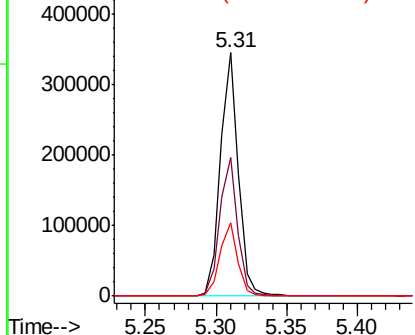
#5

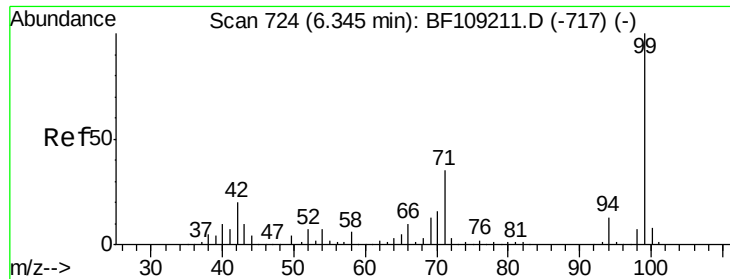
2-Fluorophenol
Concen: 49.916 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

Tgt Ion:112 Resp: 304808
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 30.3 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: 51.096 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109347.D

Acq: 26 Sep 2018 19:55

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-B

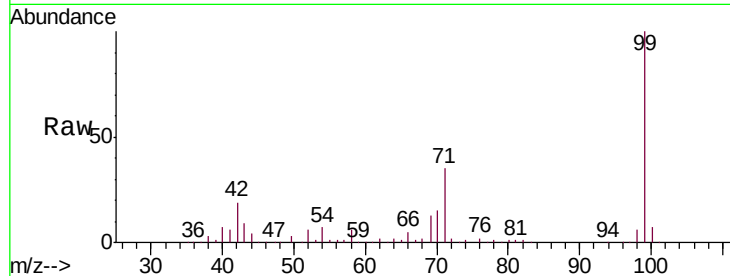
Tgt Ion: 99 Resp: 398143

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

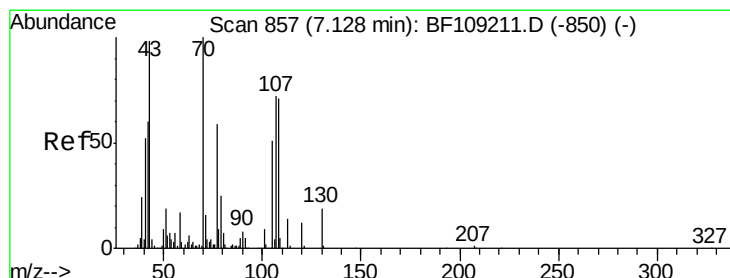
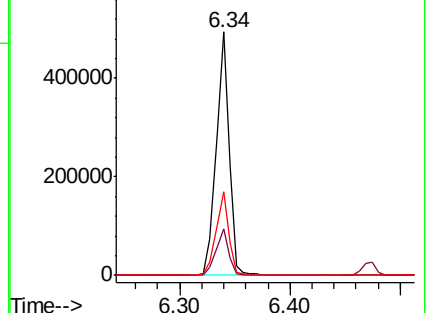
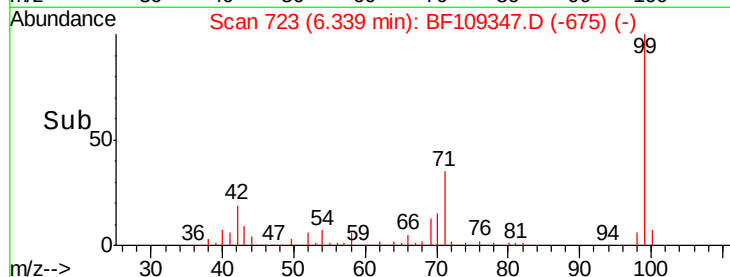
71 34.5 25.4 38.0



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: 6.515 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109347.D

Acq: 26 Sep 2018 19:55

Tgt Ion: 70 Resp: 33262

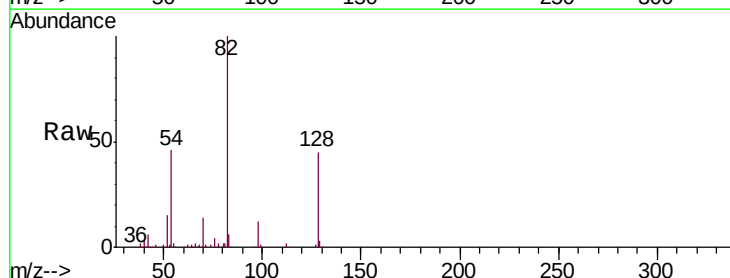
Ion Ratio Lower Upper

70 100

42 44.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

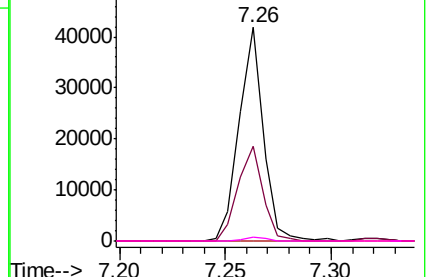
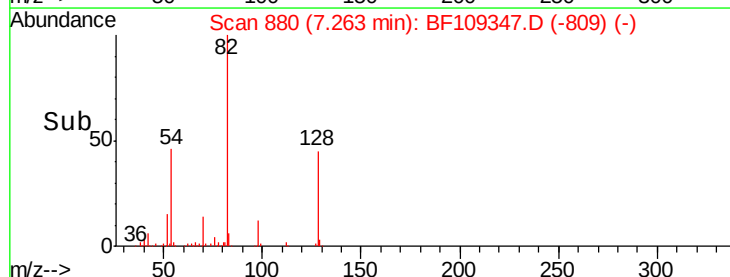


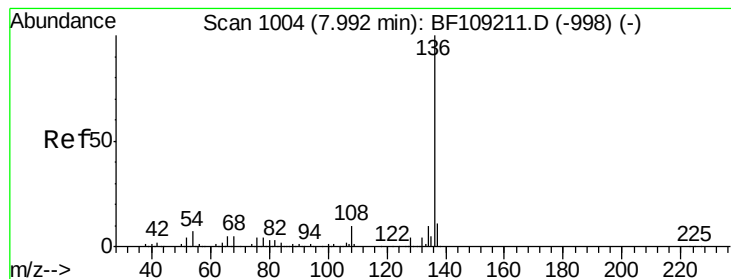
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109347.D

Acq: 26 Sep 2018 19:55

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-B

Tgt Ion:136 Resp: 396566

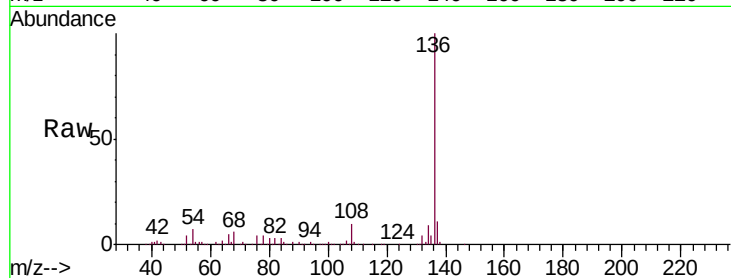
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 5.8 5.0 7.4

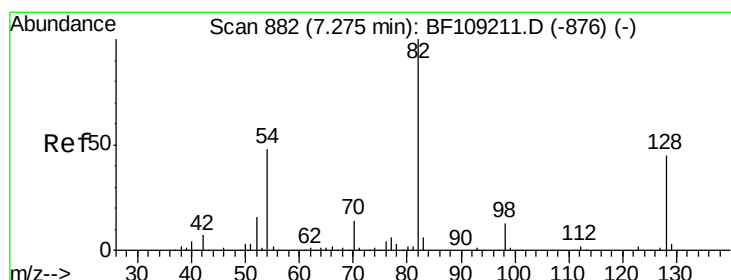
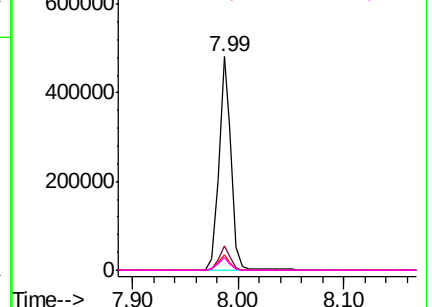
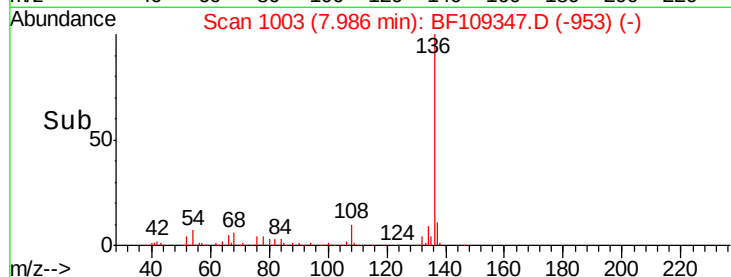


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.411 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109347.D

Acq: 26 Sep 2018 19:55

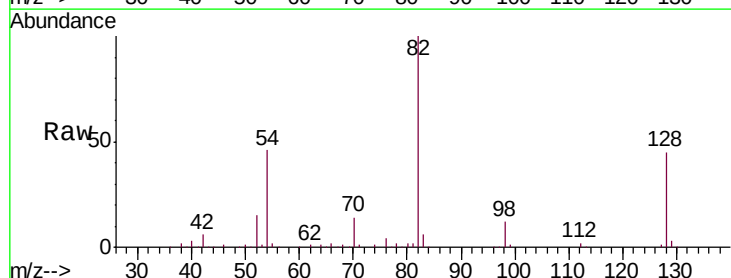
Tgt Ion: 82 Resp: 244604

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

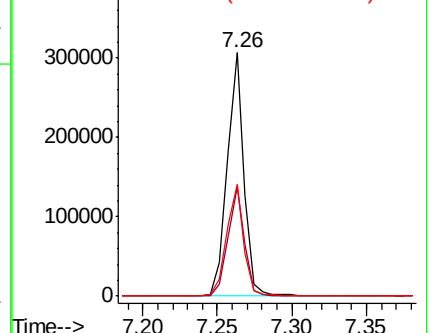
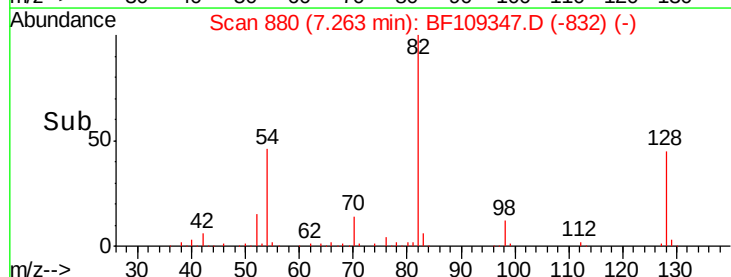
54 46.1 41.4 62.2

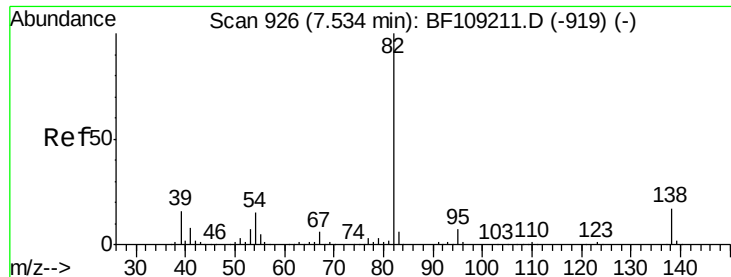


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.733 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109347.D

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Instrument :

BNA_F

ClientSampleId :

CL-02-092518-B

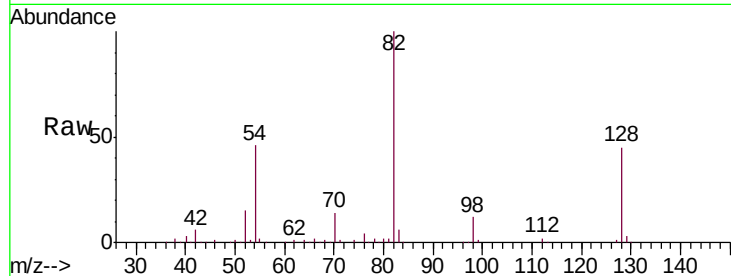
Tgt Ion: 82 Resp: 226620

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

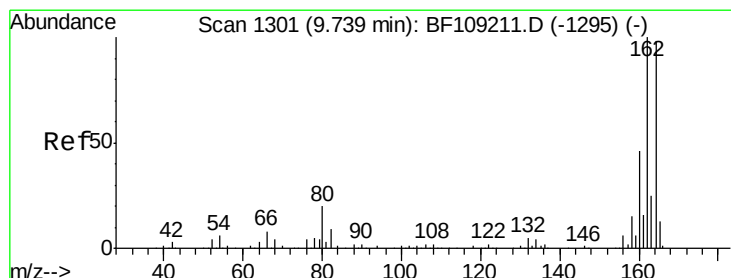
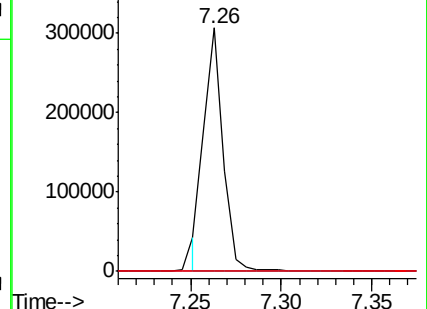
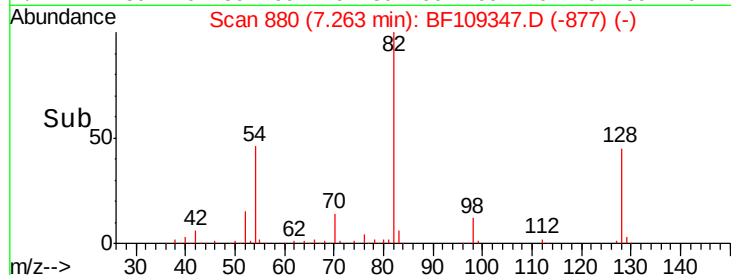
138 0.0 14.9 22.3#



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: BF109347.D

Acq: 26 Sep 2018 19:55

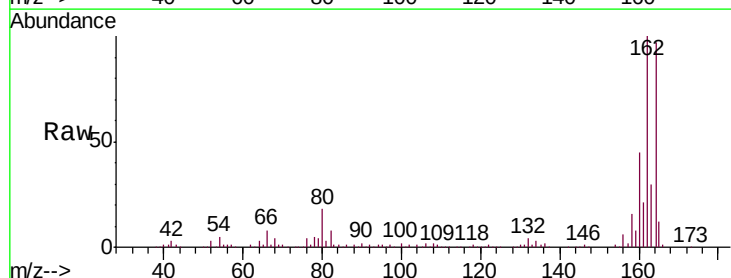
Tgt Ion: 164 Resp: 180797

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

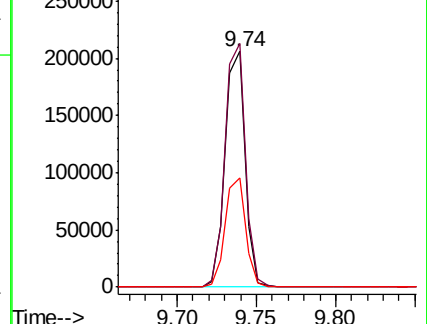
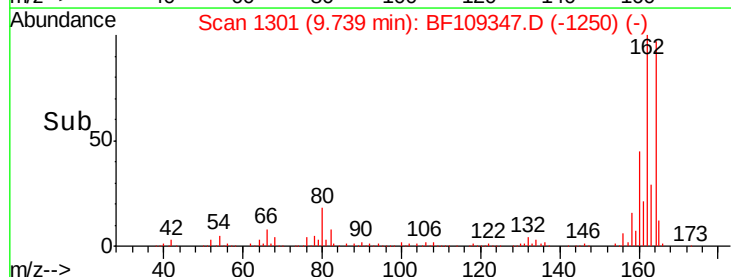
160 46.4 38.3 57.5

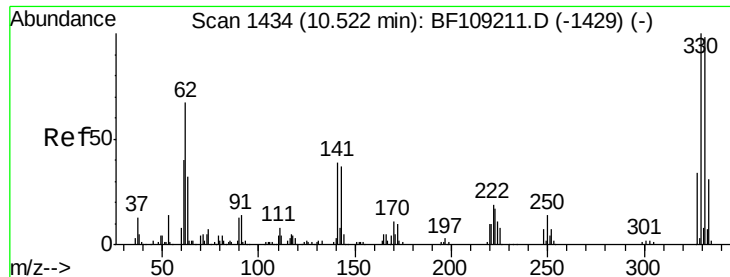


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

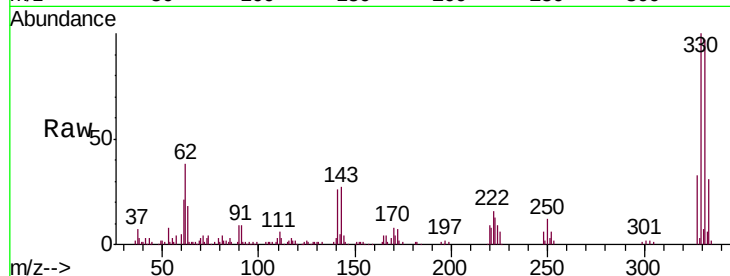




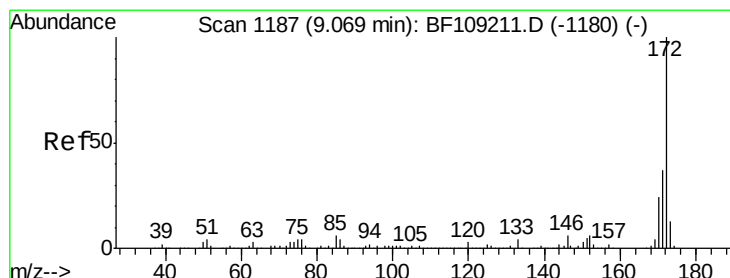
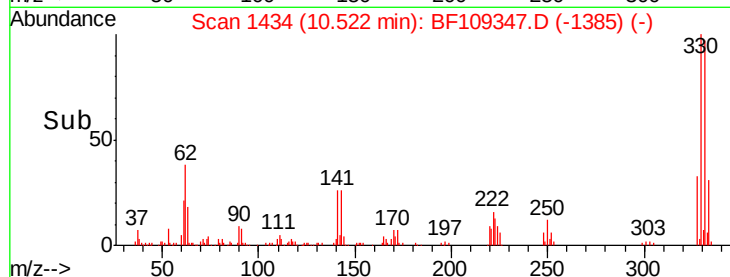
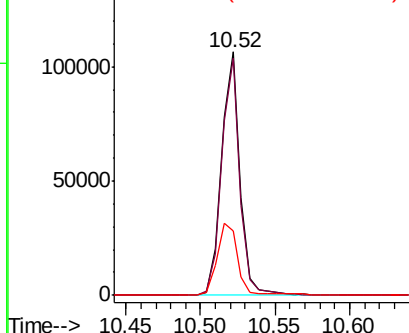
#41
 2,4,6-Tribromophenol
 Concen: 52.174 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109347.D
 Acq: 26 Sep 2018 19:55

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	33.6	29.9	44.9

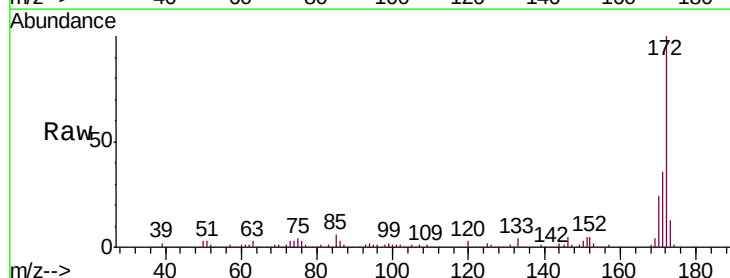


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

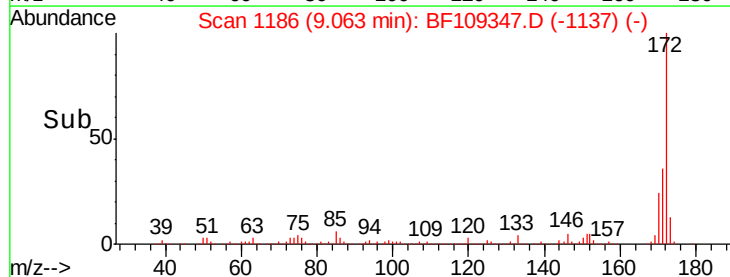
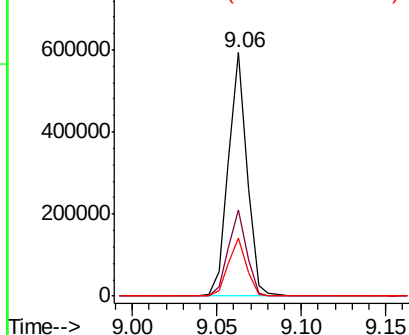


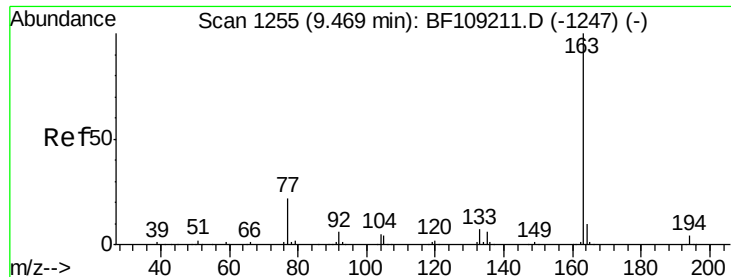
#44
 2-Fluorobiphenyl
 Concen: 37.844 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109347.D
 Acq: 26 Sep 2018 19:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.6	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

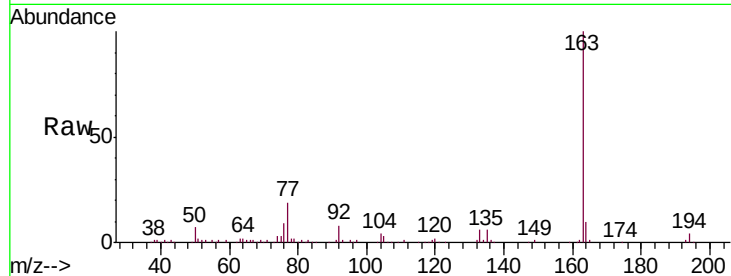




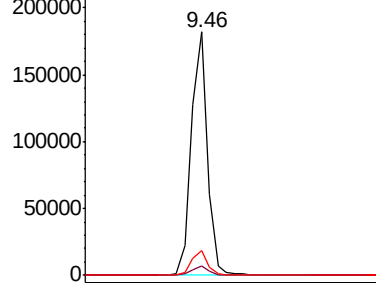
#49
Dimethylphthalate
Concen: 10.948 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

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

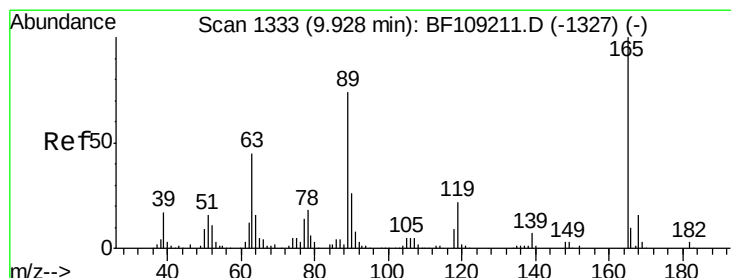
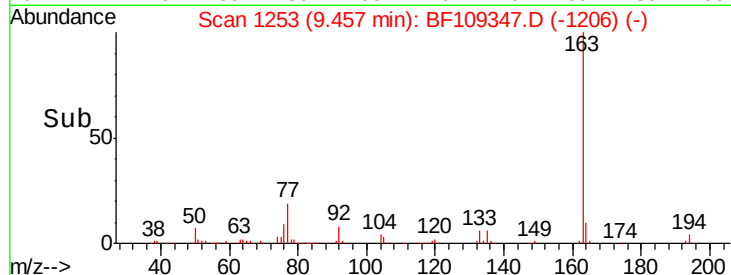
Tgt Ion:163 Resp: 143966
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
250000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

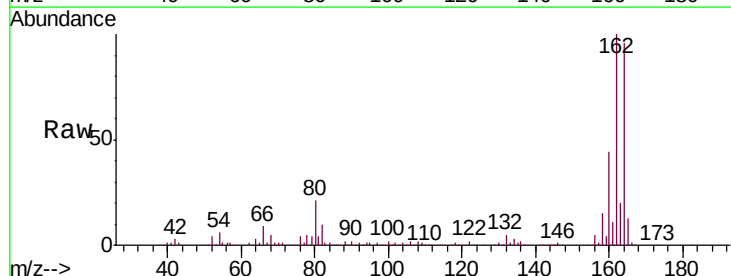


Time-->

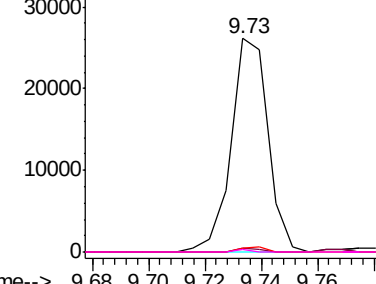


#56
2,4-Dinitrotoluene
Concen: 7.184 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

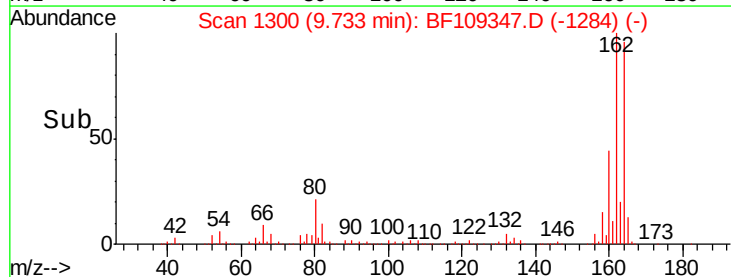
Tgt Ion:165 Resp: 23673
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.8 57.8 86.6#
182 1.5 1.6 2.4#

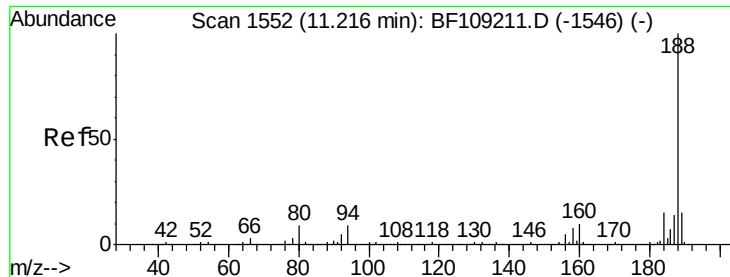


Abundance Ion 165.00 (164.70 to 165.70): E
40000
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



Time-->

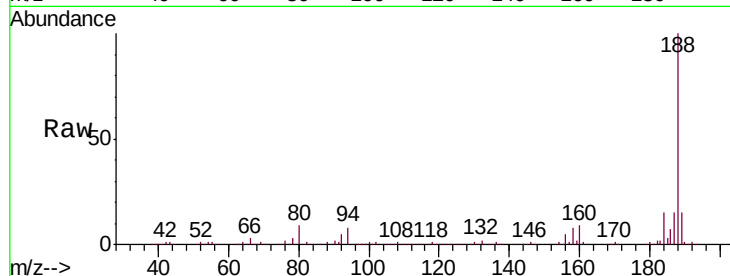




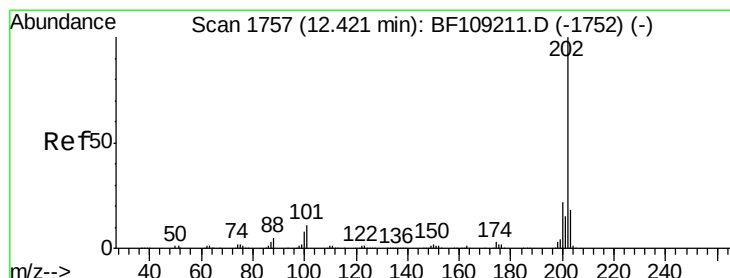
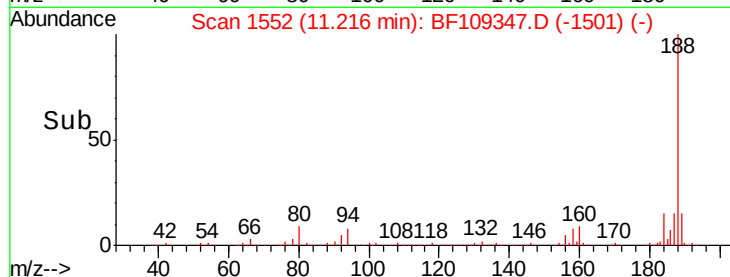
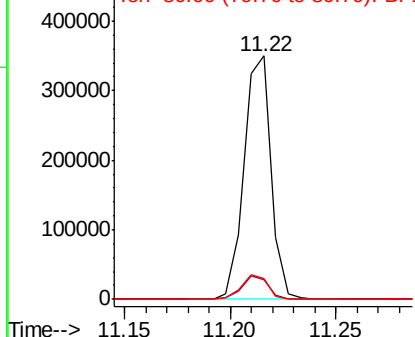
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

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

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.6	9.2	13.8#

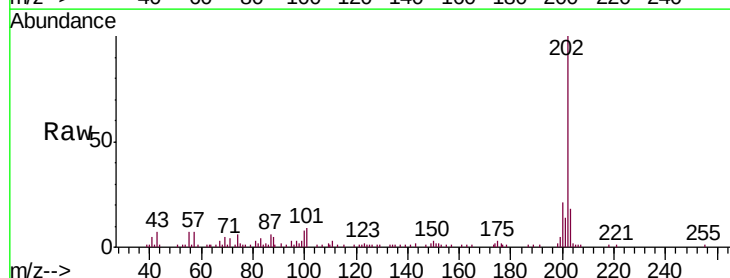


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

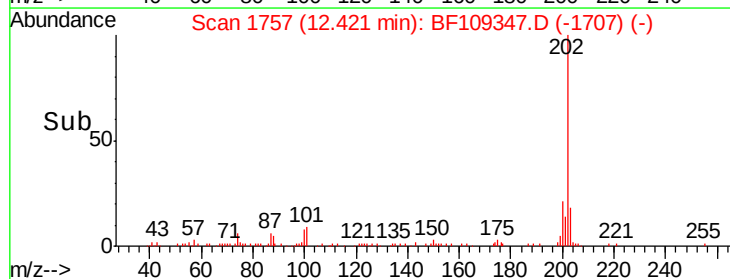
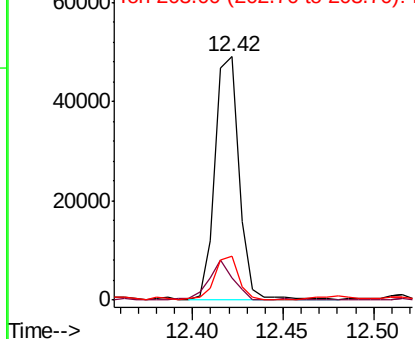


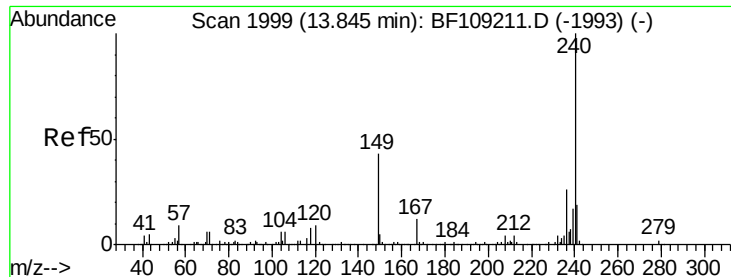
#74
Fluoranthene
Concen: 2.771 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.1
203	18.1	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: BF109347.D

Acq: 26 Sep 2018 19:55

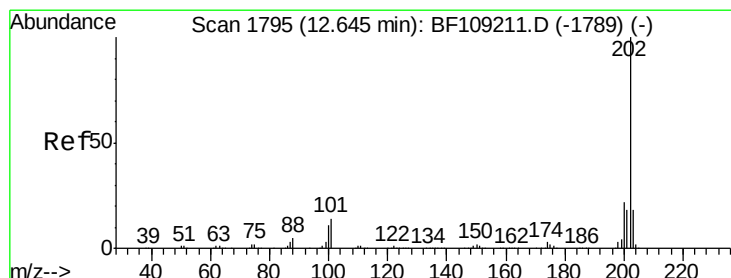
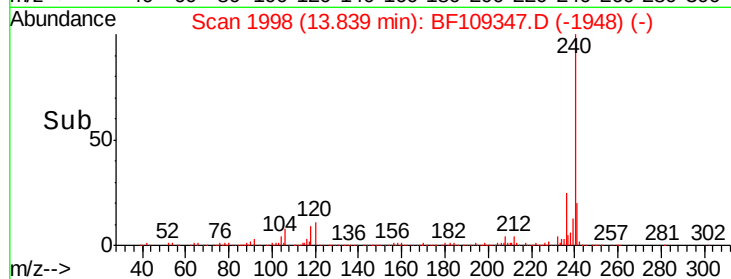
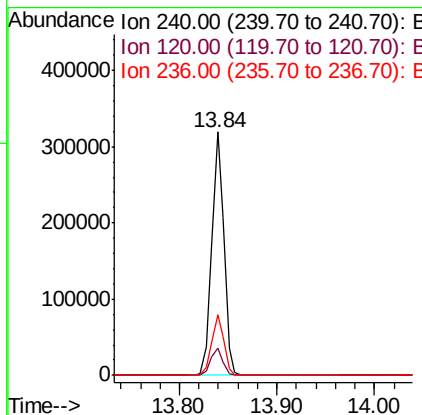
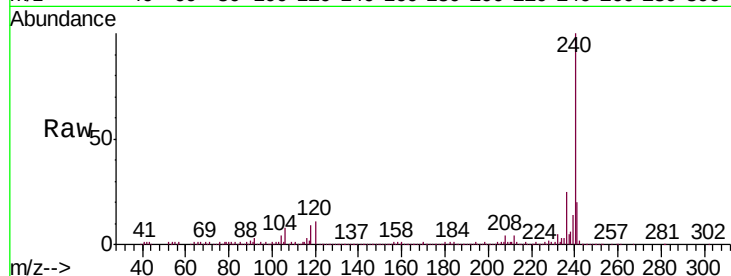
Instrument :

BNA_F

ClientSampleId :

CL-02-092518-B

Tgt Ion:	240	Resp:	276397
Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	25.1	20.7	31.1



#77

Pyrene

Concen: 2.299 ng

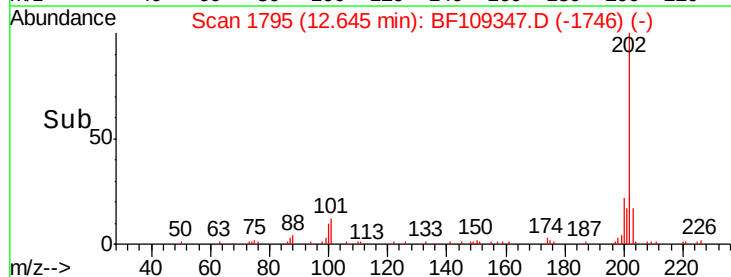
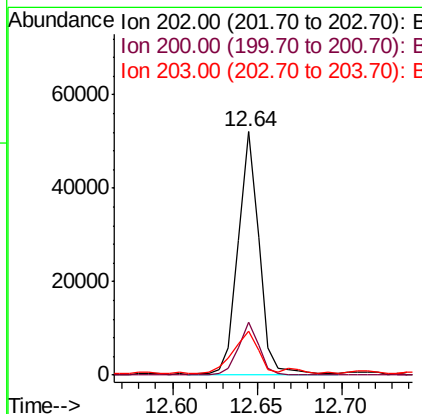
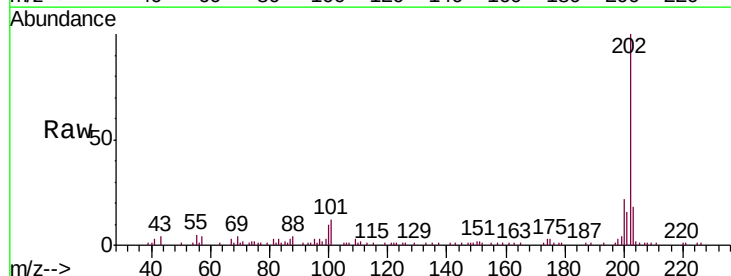
RT: 12.64 min Scan# 1795

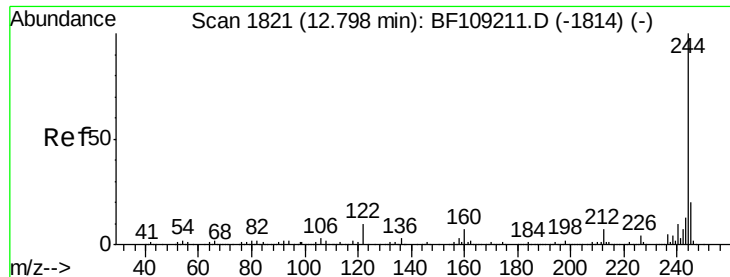
Delta R.T. -0.01 min

Lab File: BF109347.D

Acq: 26 Sep 2018 19:55

Tgt Ion:	202	Resp:	45538
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 33.583 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109347.D

Acq: 26 Sep 2018 19:55

Instrument :

BNA_F

ClientSampleId :

CL-02-092518-B

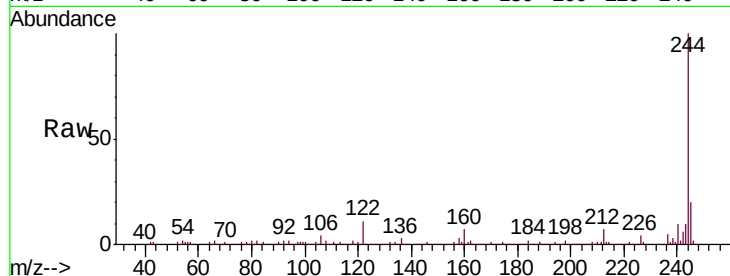
Tgt Ion:244 Resp: 378228

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

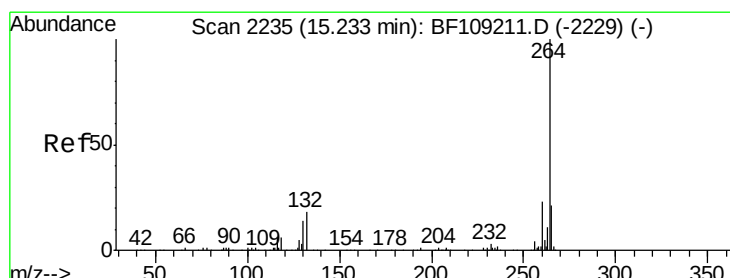
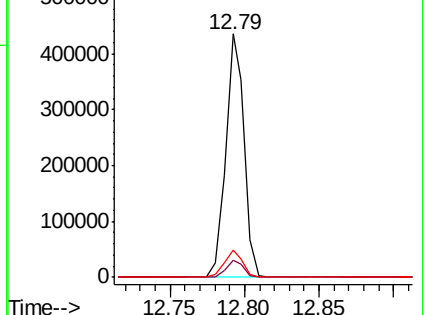
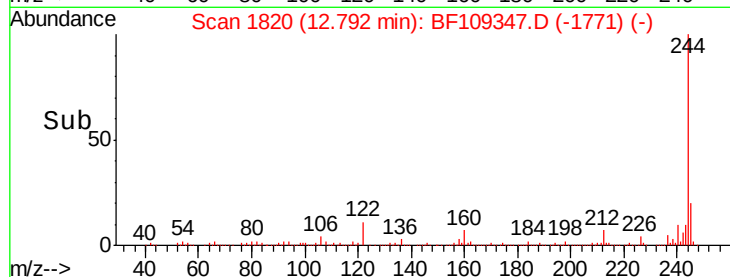
122 11.4 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109347.D

Acq: 26 Sep 2018 19:55

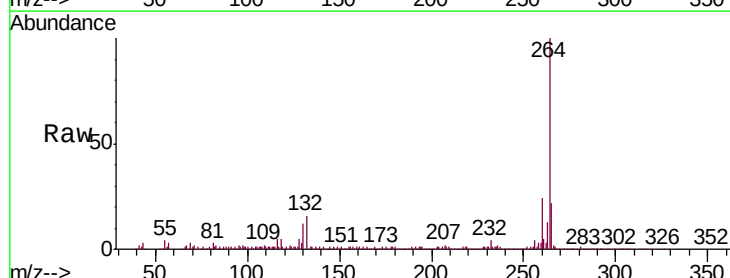
Tgt Ion:264 Resp: 233505

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

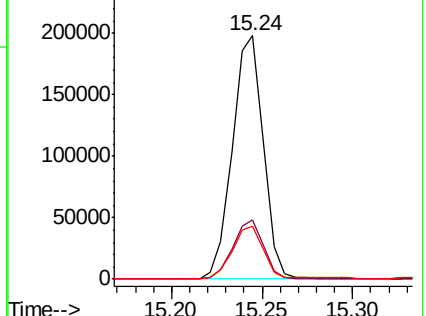
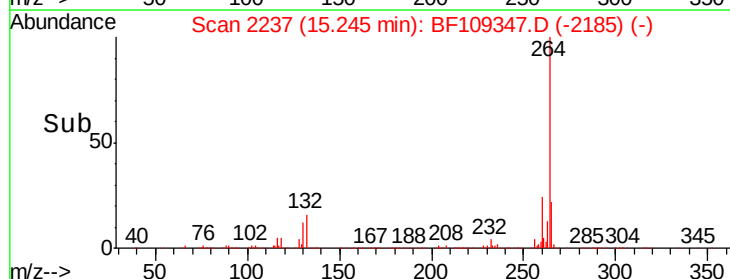
265 21.8 17.5 26.3

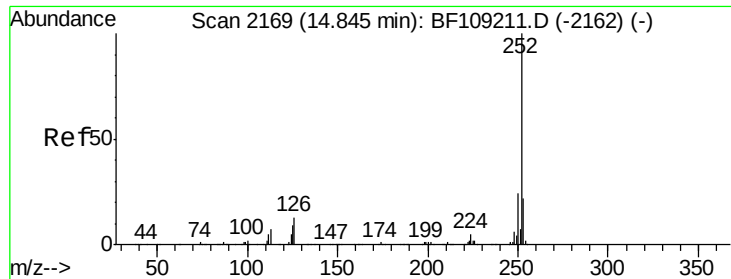


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

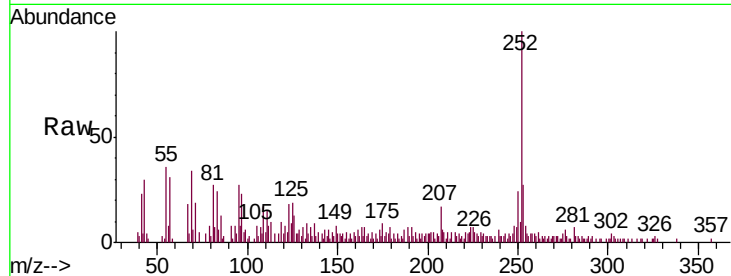




#87
Benzo(b)fluoranthene
Concen: 2.540 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	18.5	9.0	13.6#

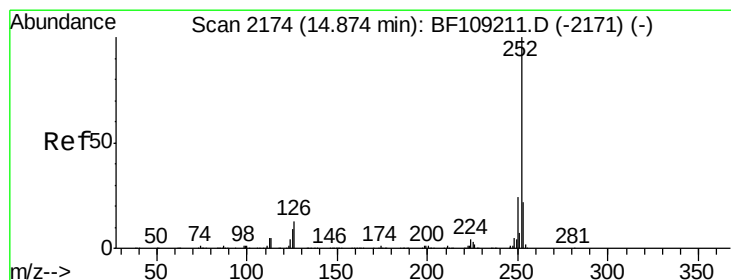
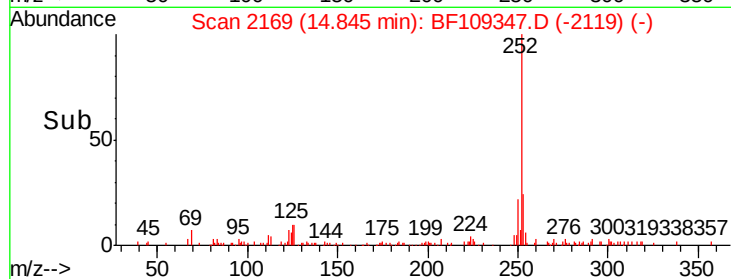
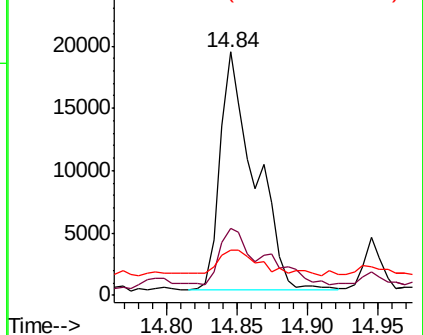


Abundance

Ion 252.00 (251.70 to 252.70): E

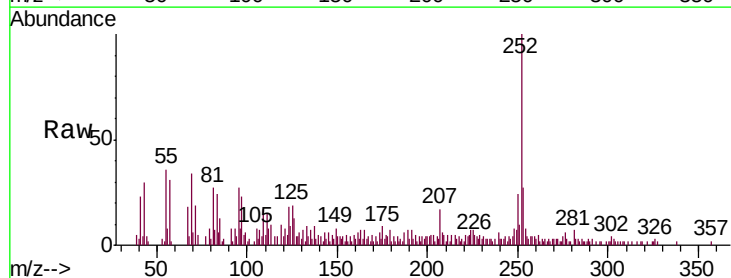
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.677 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109347.D
Acq: 26 Sep 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.9	26.9#
125	18.5	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

