

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091718\
 Data File : BF109066.D
 Acq On : 18 Sep 2018 00:21
 Operator : JU/SJ
 Sample : J4773-03DL 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-BDL

Quant Time: Sep 18 01:47:37 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	146712	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	540423	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	233057	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	426946	20.00	ng	0.00
75) Chrysene-d12	13.85	240	343835	20.00	ng	0.00
86) Perylene-d12	15.26	264	292367	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	432084	48.91	ng	0.00
7) Phenol-d6	6.35	99	571707	50.19	ng	0.00
23) Nitrobenzene-d5	7.28	82	345052	35.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	123823	48.96	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	567001	38.12	ng	0.00
78) Terphenyl-d14	12.81	244	484327	33.39	ng	0.00

Target Compounds

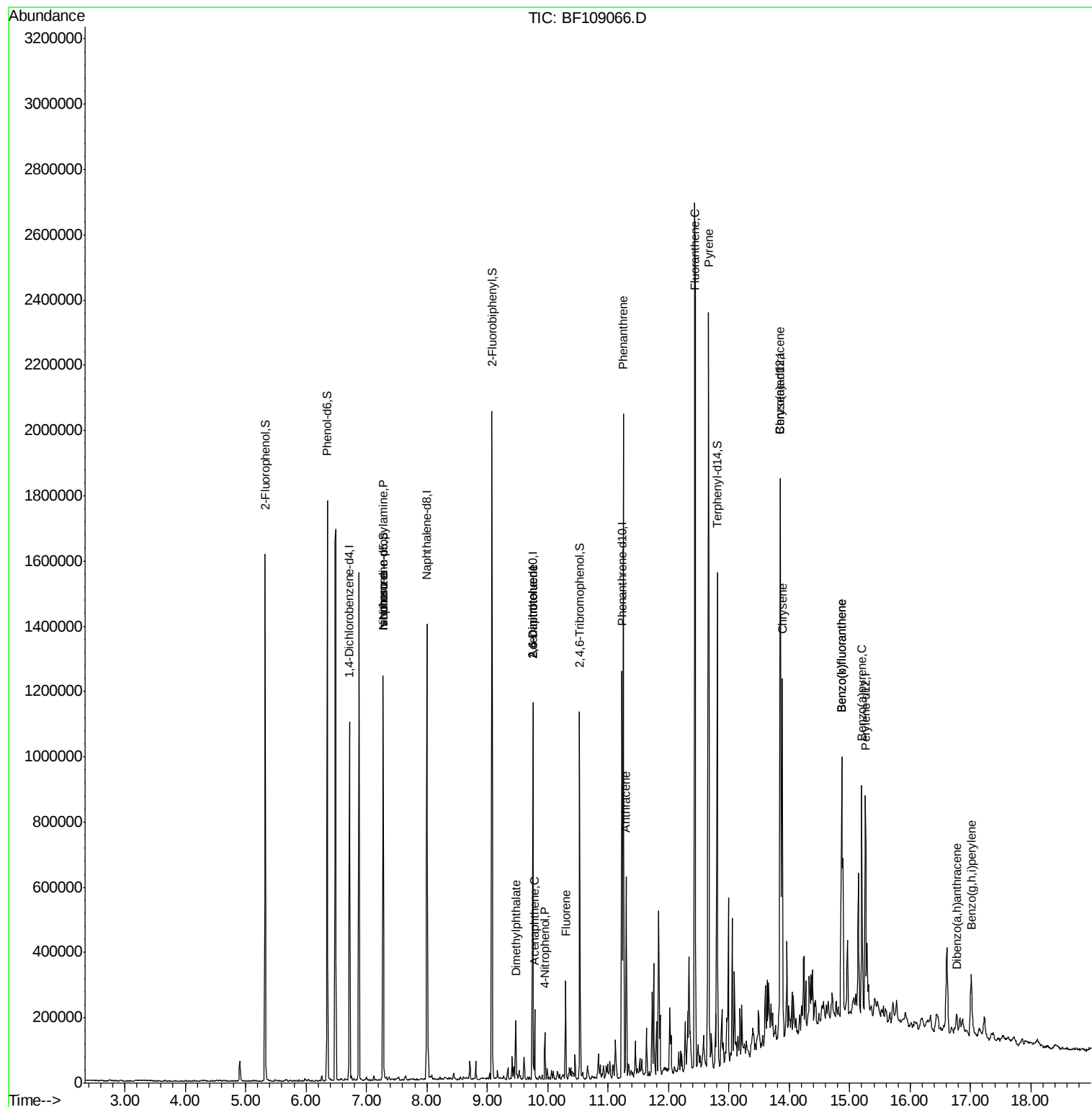
						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	46426	6.166	ng	# 75
25) Isophorone	7.28	82	341825	20.638	ng	# 64
49) Dimethylphthalate	9.47	163	65178	3.913	ng	# 98
50) 2,6-Dinitrotoluene	9.75	165	30845	8.350	ng	# 26
51) Acenaphthene	9.78	154	40773	2.908	ng	97
55) 4-Nitrophenol	9.95	139	14514	4.529	ng	# 10
56) 2,4-Dinitrotoluene	9.75	165	30845	6.385	ng	# 23
57) Fluorene	10.30	166	74688	5.532	ng	99
70) Phenanthrene	11.25	178	691972	33.063	ng	98
71) Anthracene	11.30	178	216855	10.222	ng	98
74) Fluoranthene	12.44	202	1085889	49.147	ng	99
77) Pyrene	12.67	202	951600	37.260	ng	100
80) Benzo(a)anthracene	13.85	228	491899	23.630	ng	98
82) Chrysene	13.88	228	429986	20.645	ng	97
87) Benzo(b)fluoranthene	14.87	252	610751	37.760	ng	97
88) Benzo(k)fluoranthene	14.87	252	610751	40.428	ng	97
89) Benzo(a)pyrene	15.20	252	316969	22.067	ng	96
90) Dibenzo(a,h)anthracene	16.77	278	38218	3.167	ng	95
91) Benzo(g,h,i)perylene	17.01	276	149000	12.350	ng	93

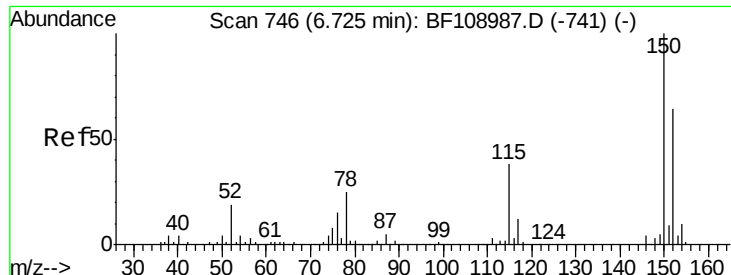
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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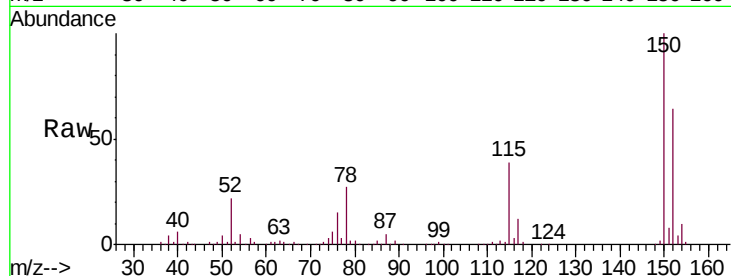




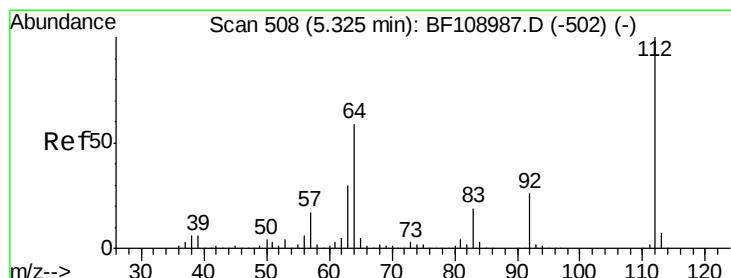
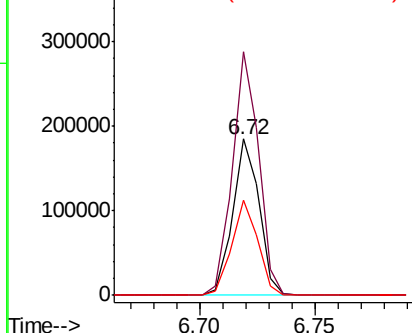
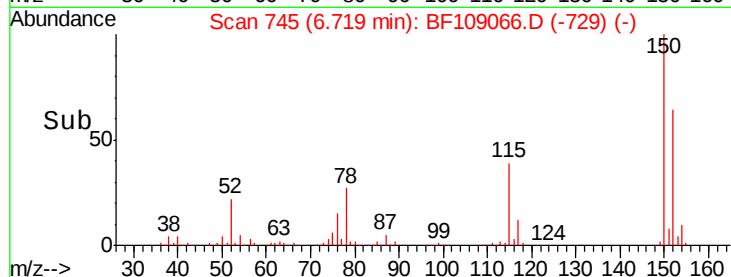
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-BDL

Tgt Ion:152 Resp: 146712
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.6 186.8
 115 60.9 50.1 75.1

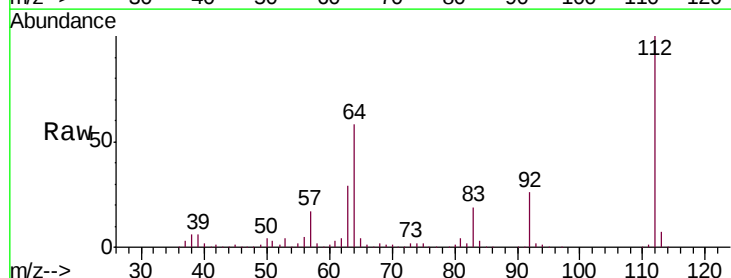


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

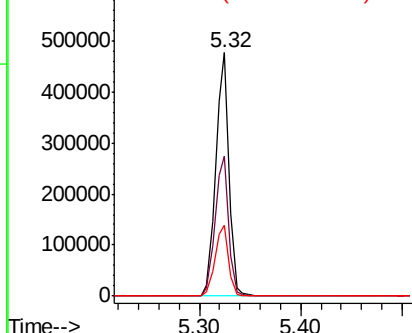
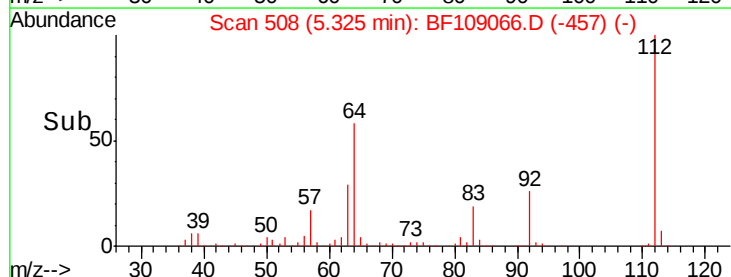


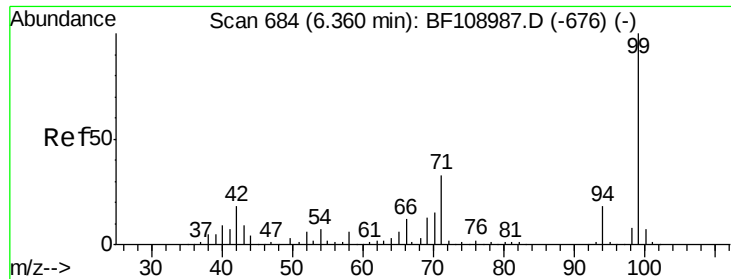
#5
 2-Fluorophenol
 Concen: 48.915 ng
 RT: 5.32 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

Tgt Ion:112 Resp: 432084
 Ion Ratio Lower Upper
 112 100
 64 57.5 47.9 71.9
 63 29.2 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: 50.193 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

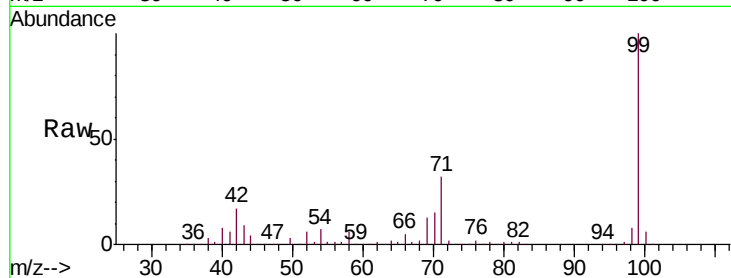
Tgt Ion: 99 Resp: 571707

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

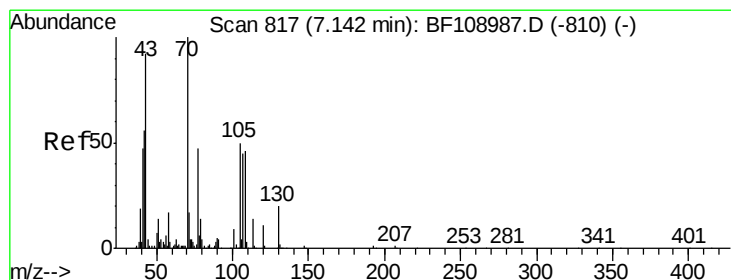
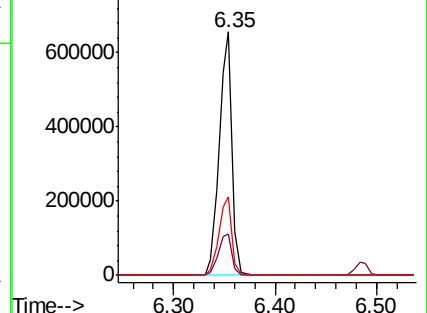
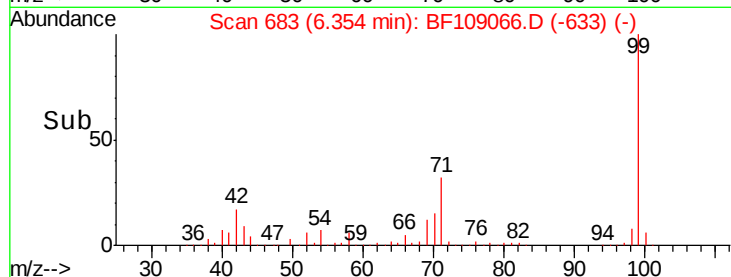
71 32.3 25.4 38.0



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: 6.166 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Tgt Ion: 70 Resp: 46426

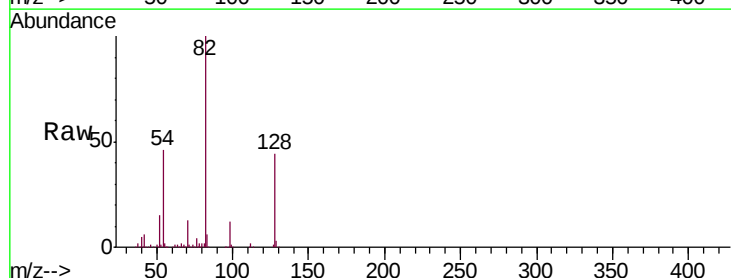
Ion Ratio Lower Upper

70 100

42 45.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

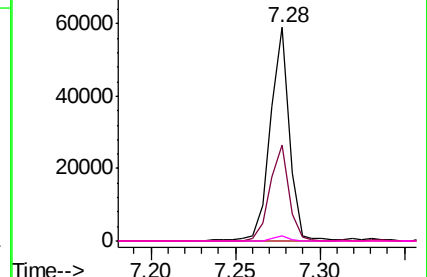
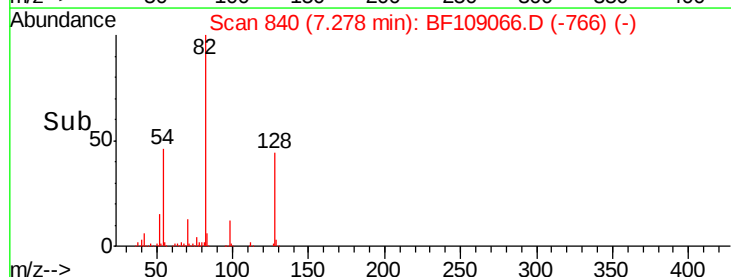


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

Tgt Ion: 136 Resp: 540423

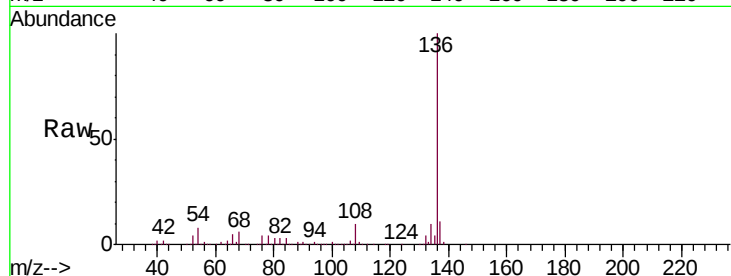
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.5 6.6 9.8

68 6.3 5.0 7.4

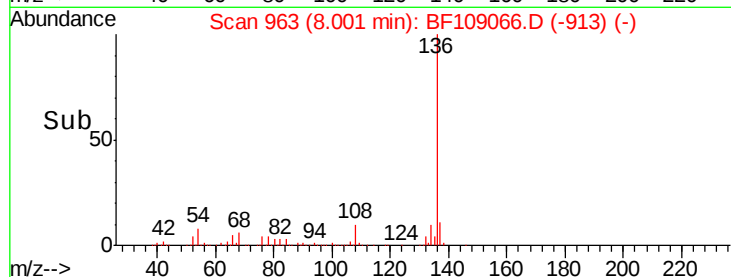


Abundance Ion 136.00 (135.70 to 136.70): E

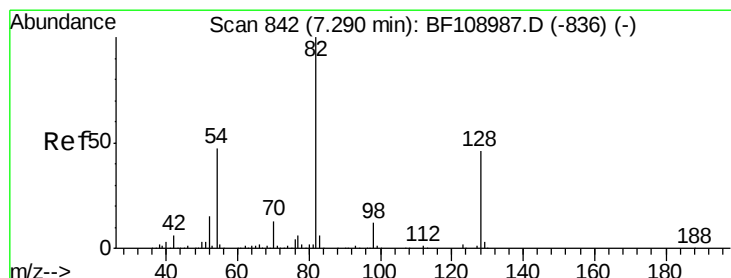
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 35.811 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

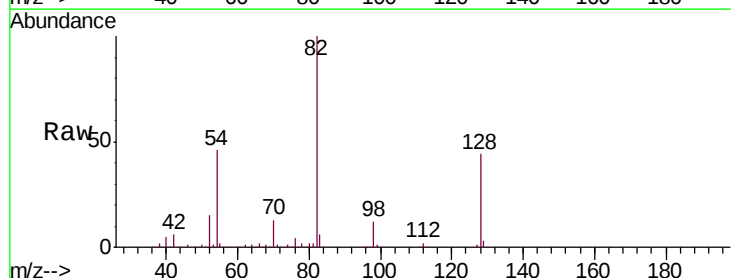
Tgt Ion: 82 Resp: 345052

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

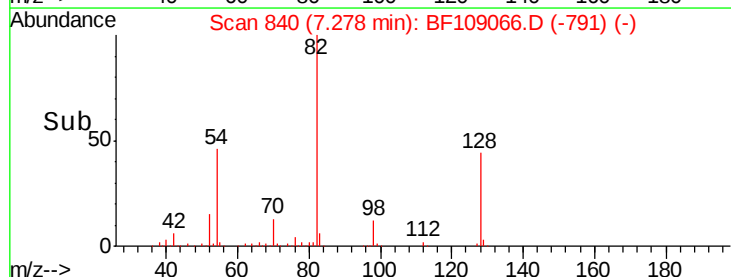
54 46.4 41.4 62.2



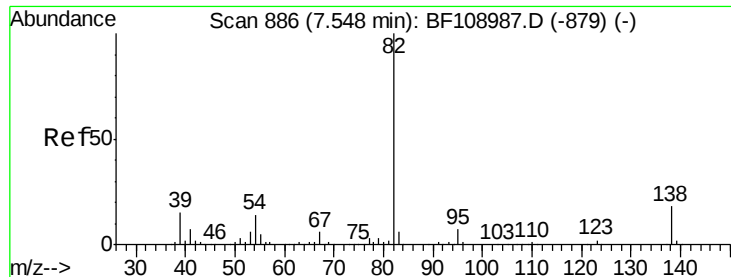
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 20.638 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

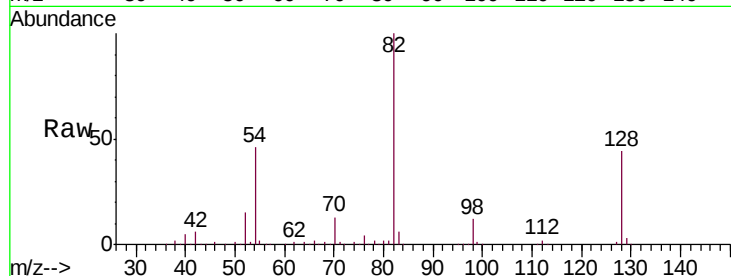
Tgt Ion: 82 Resp: 341825

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

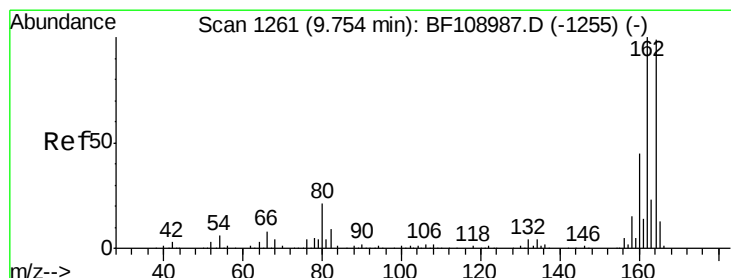
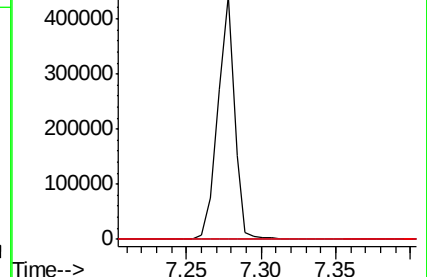
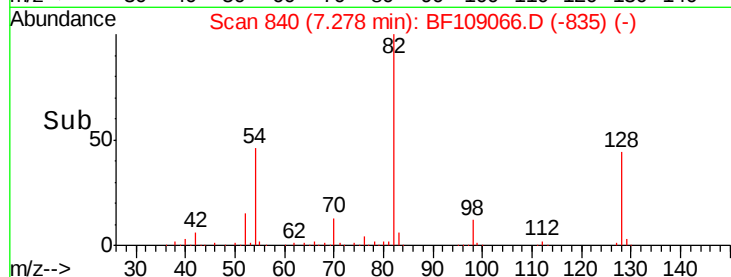
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

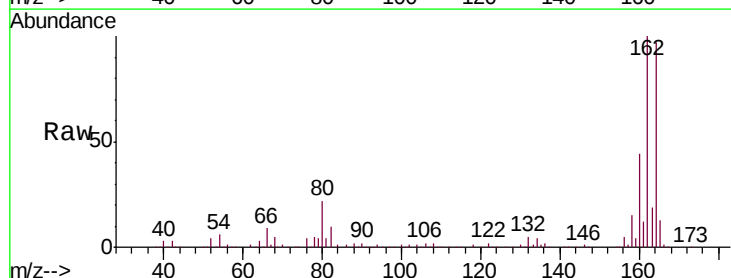
Tgt Ion: 164 Resp: 233057

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

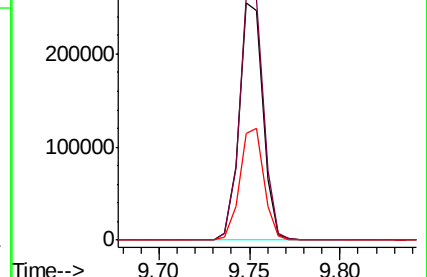
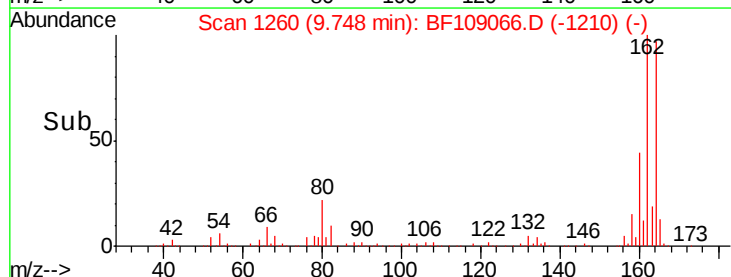
160 45.2 38.3 57.5

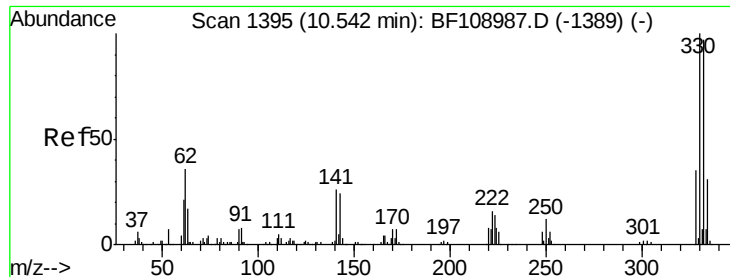


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

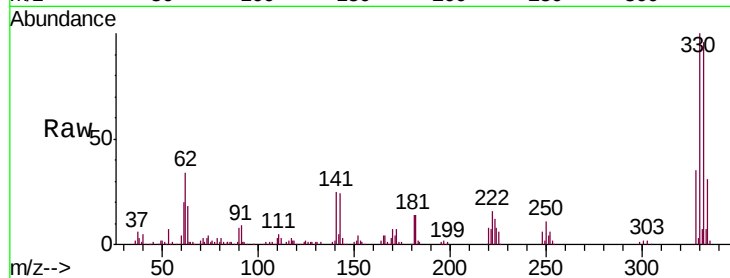




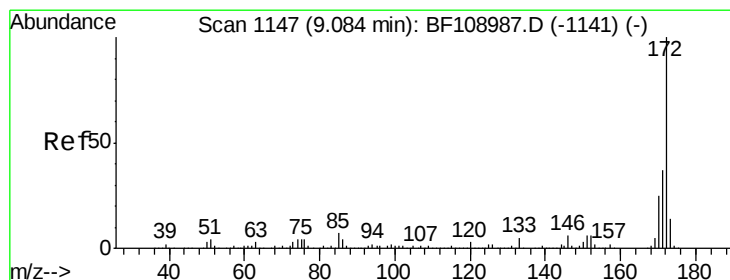
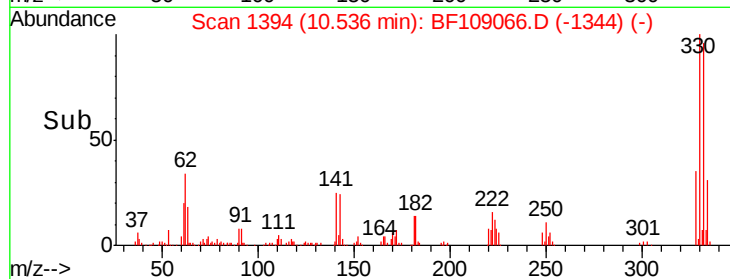
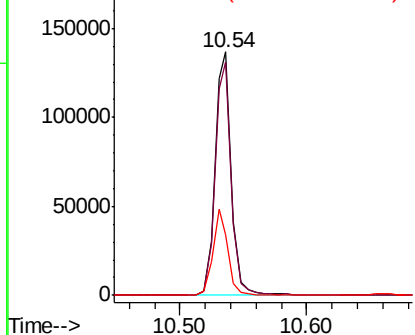
#41
 2,4,6-Tribromophenol
 Concen: 48.956 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

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Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	33.5	29.9	44.9

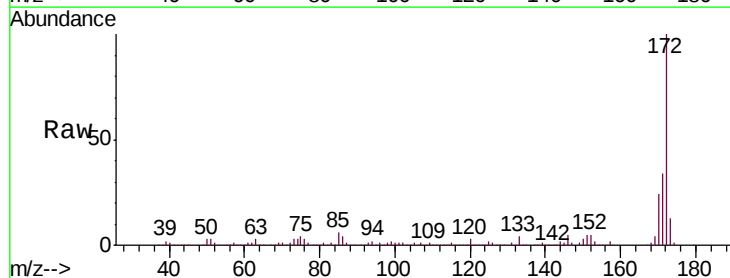


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

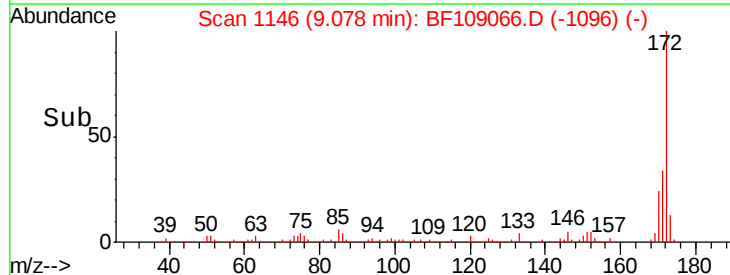
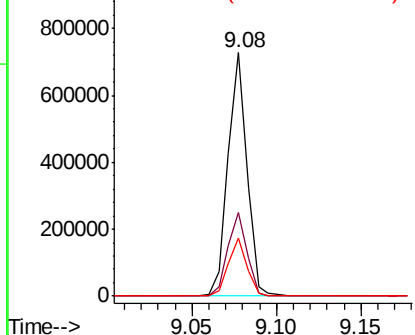


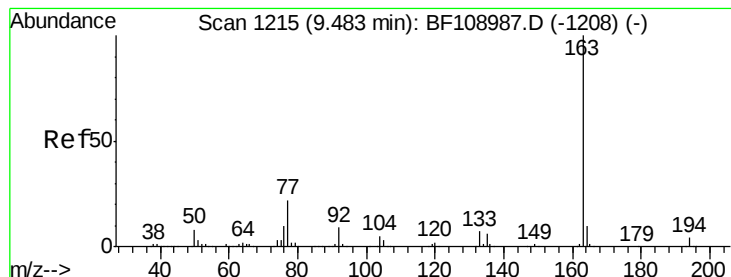
#44
 2-Fluorobiphenyl
 Concen: 38.117 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	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: 3.913 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

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ClientSampleId :

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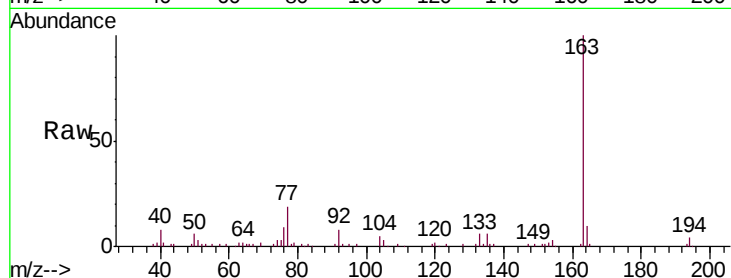
Tgt Ion:163 Resp: 65178

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

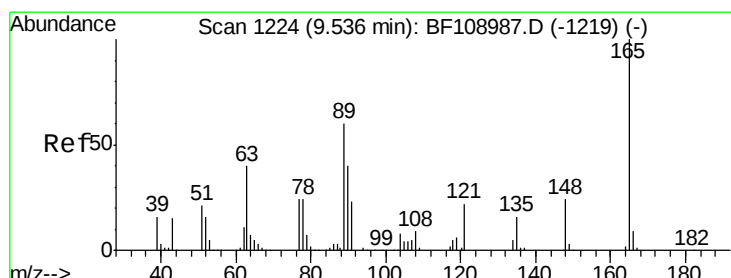
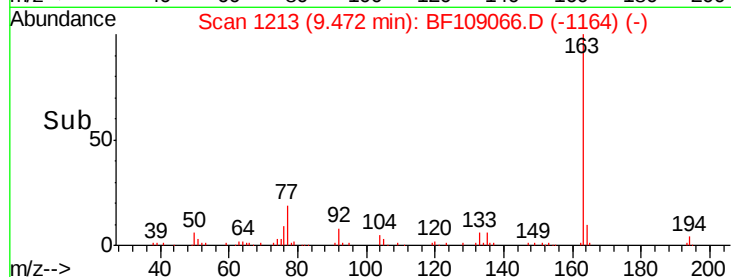
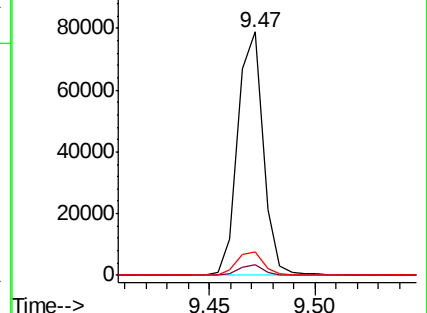
164 9.7 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.350 ng

RT: 9.75 min Scan# 1260

Delta R.T. 0.21 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

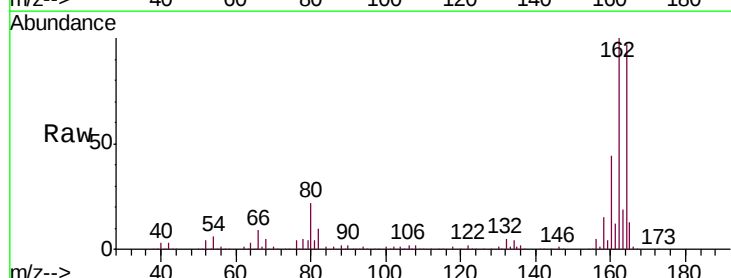
Tgt Ion:165 Resp: 30845

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

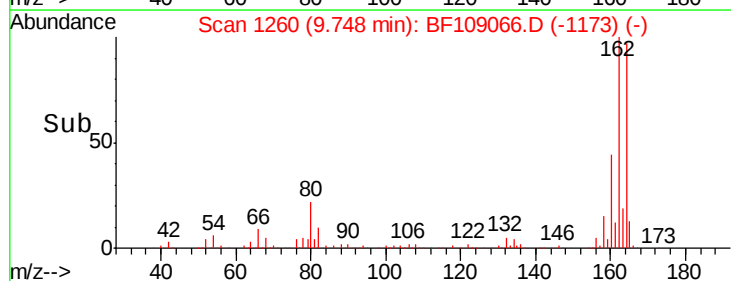
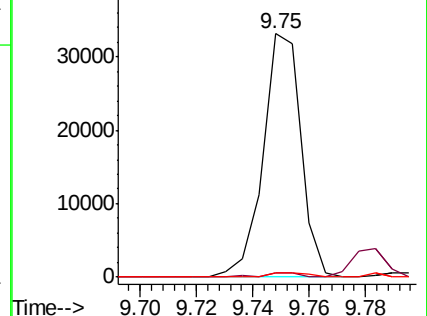
89 1.6 44.0 66.0#

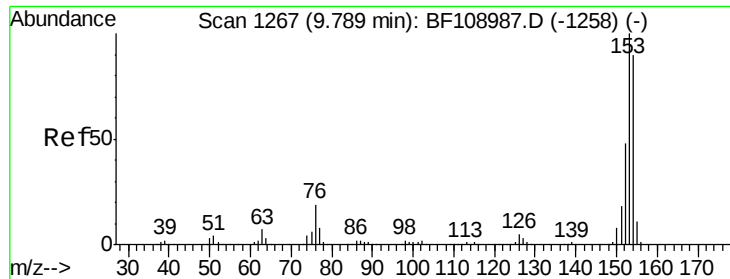


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.908 ng

RT: 9.78 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

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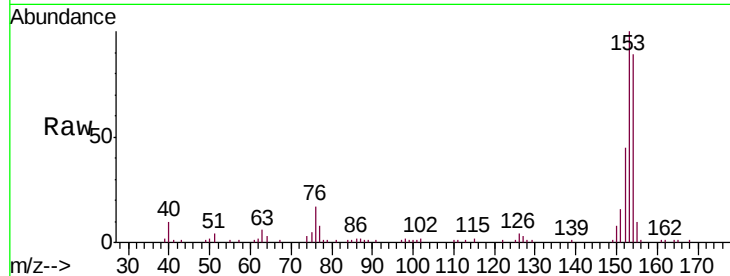
Tgt Ion:154 Resp: 40773

Ion Ratio Lower Upper

154 100

153 112.2 91.2 136.8

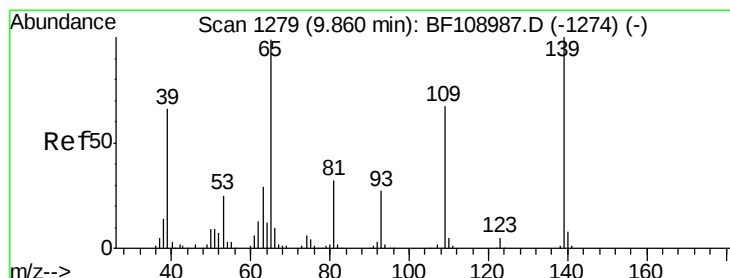
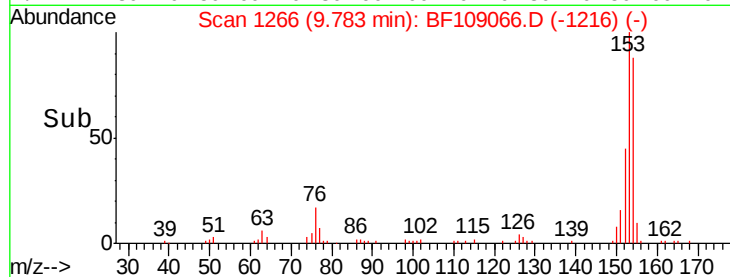
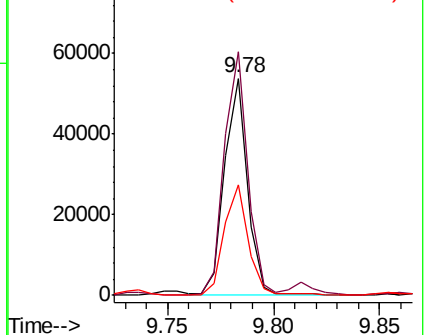
152 51.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 4.529 ng

RT: 9.95 min Scan# 1295

Delta R.T. 0.09 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

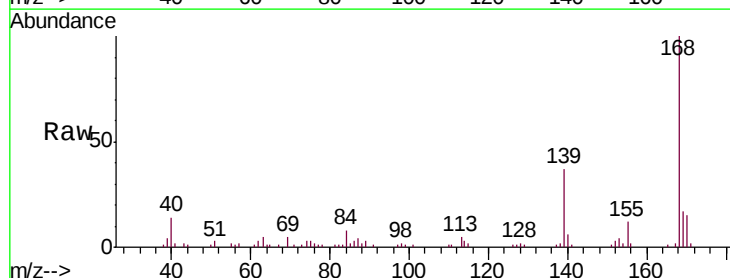
Tgt Ion:139 Resp: 14514

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

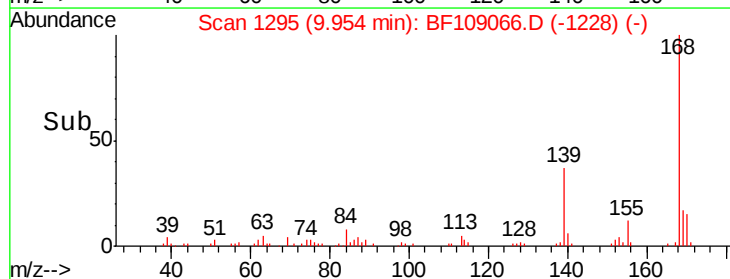
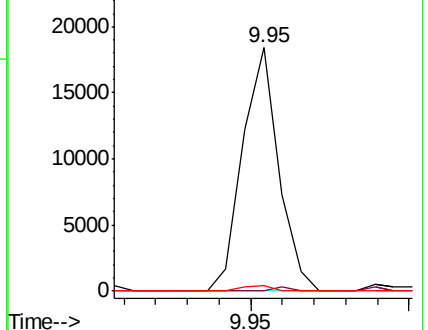
65 2.5 72.6 112.6#

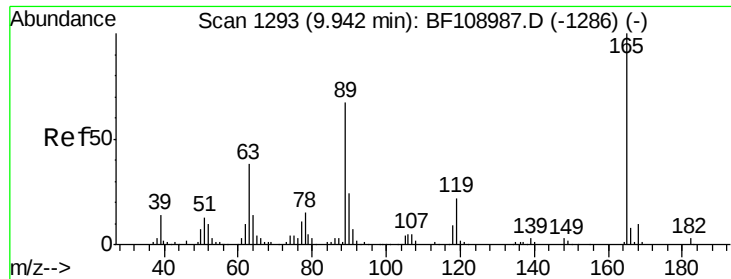


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

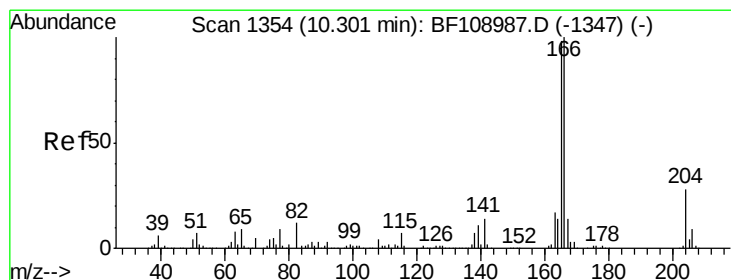
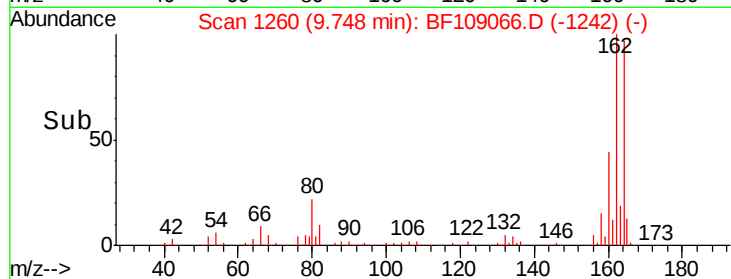
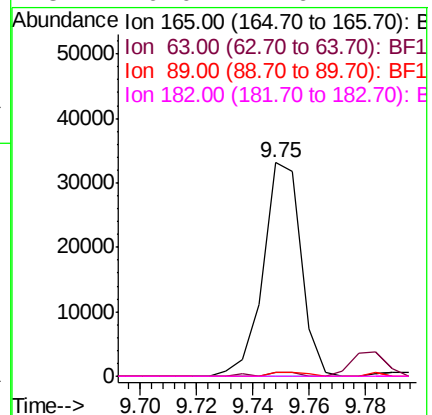
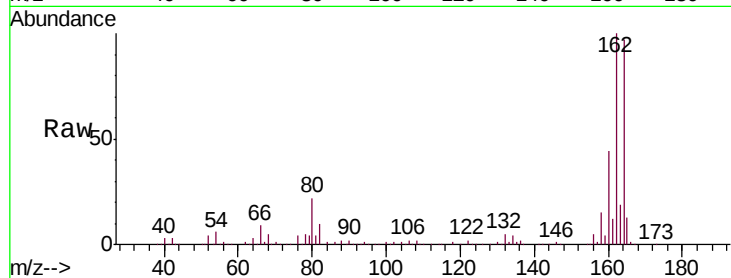




#56
2,4-Dinitrotoluene
Concen: 6.385 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.19 min
Lab File: BF109066.D
Acq: 18 Sep 2018 00:21

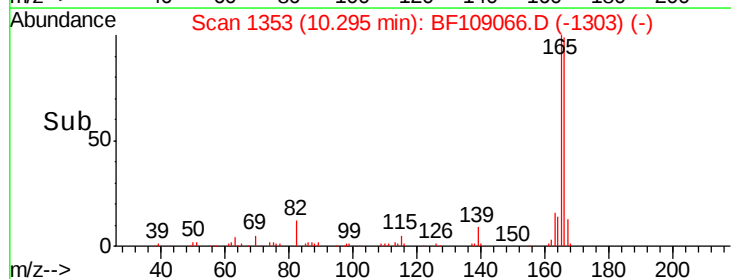
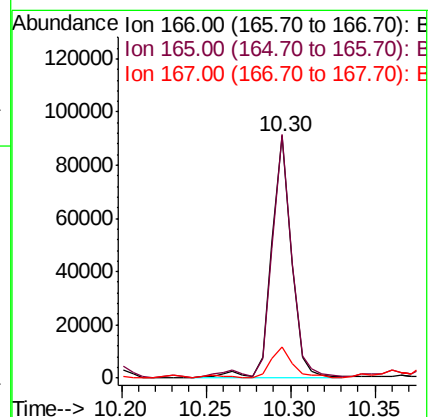
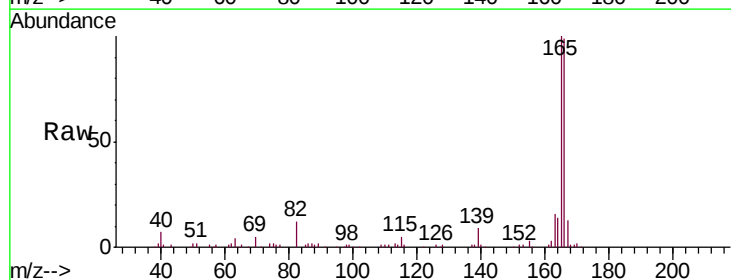
Instrument :
BNA_F
ClientSampleId :
CL-01-091418-BDL

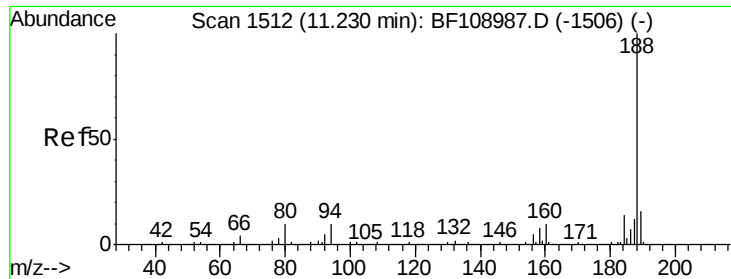
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 5.532 ng
RT: 10.30 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF109066.D
Acq: 18 Sep 2018 00:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	79.8	119.8
167	12.9	10.6	16.0

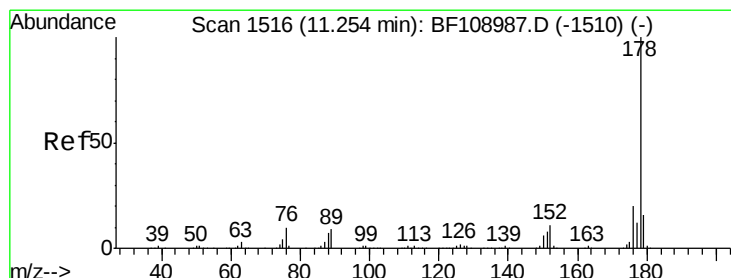
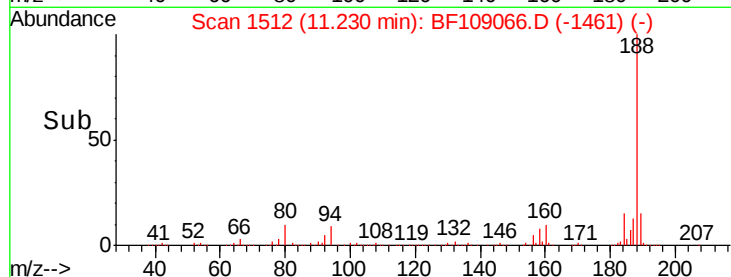
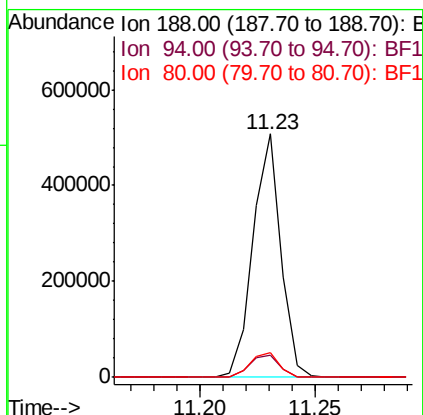
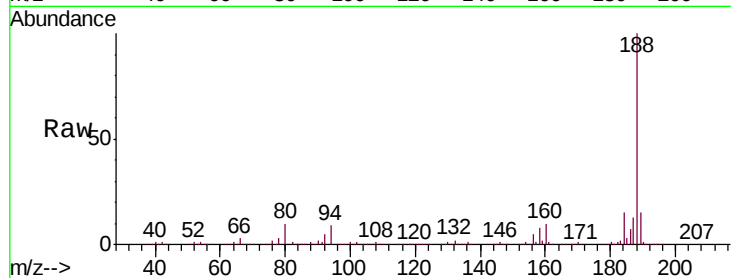




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

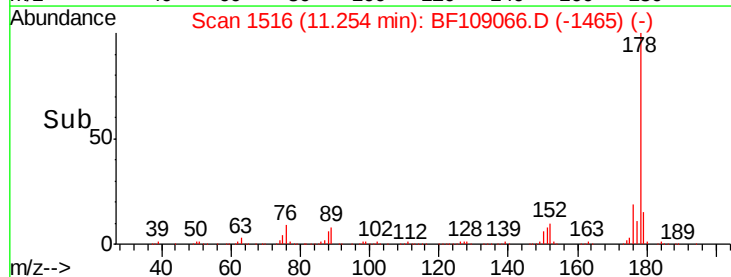
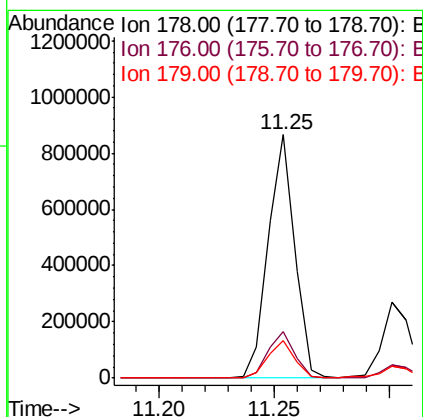
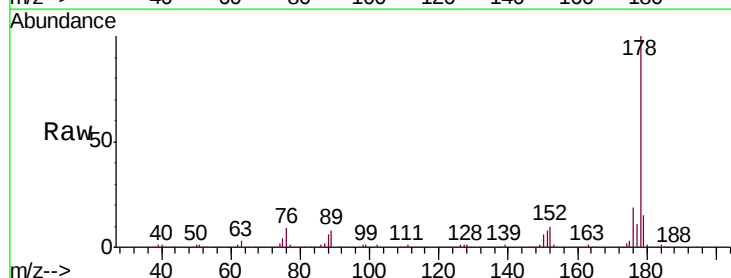
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-BDL

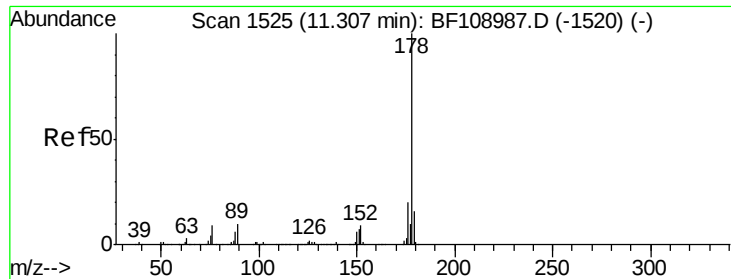
Tgt Ion:188 Resp: 426946
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.5 12.7
 80 10.1 9.2 13.8



#70
 Phenanthrene
 Concen: 33.063 ng
 RT: 11.25 min Scan# 1516
 Delta R.T. -0.00 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

Tgt Ion:178 Resp: 691972
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.3 13.0 19.6

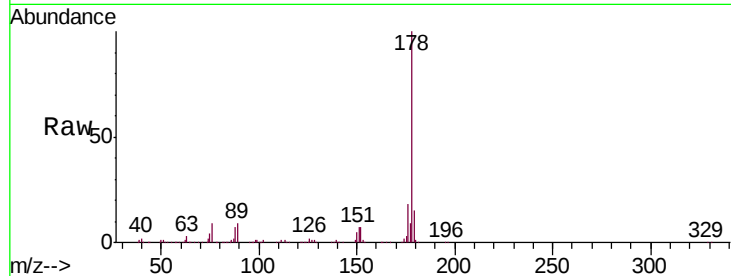




#71
 Anthracene
 Concen: 10.222 ng
 RT: 11.30 min Scan# 1524
 Delta R.T. -0.01 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-091418-BDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	19.0

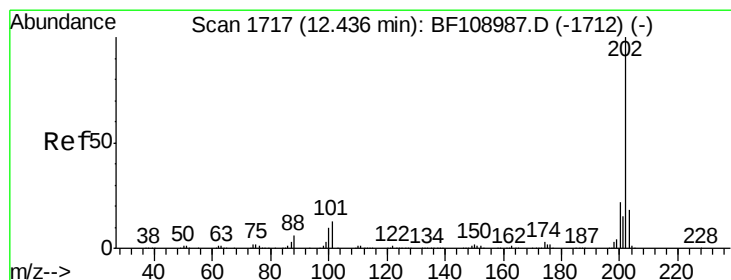
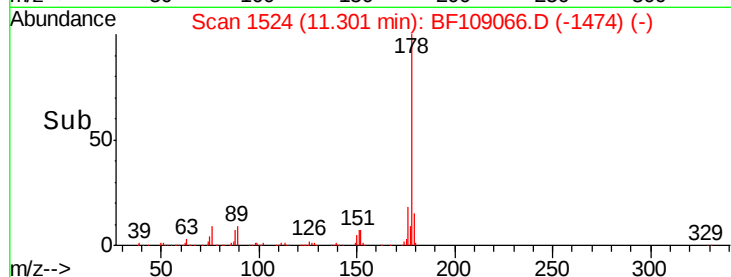
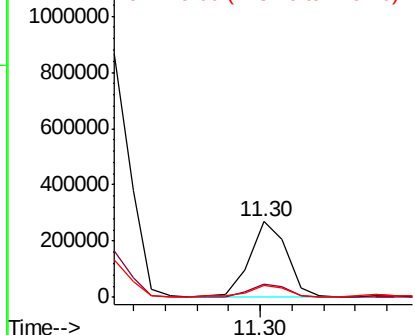


Abundance

Ion 178.00 (177.70 to 178.70): E

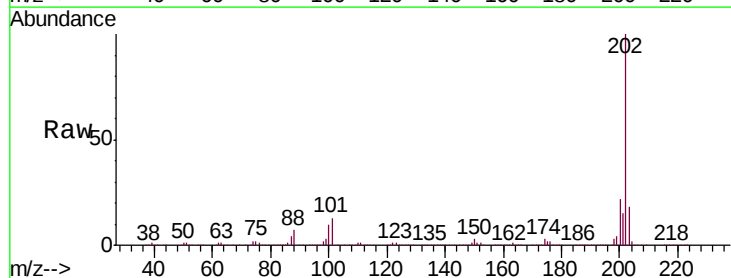
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 49.147 ng
 RT: 12.44 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: BF109066.D
 Acq: 18 Sep 2018 00:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	18.1	0.0	38.1

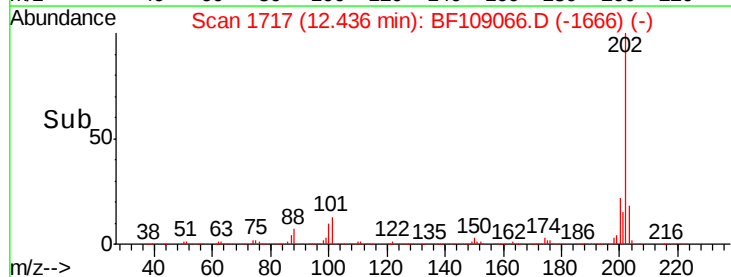
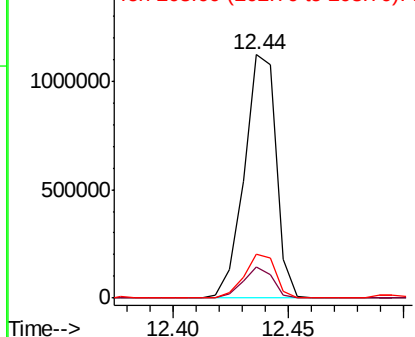


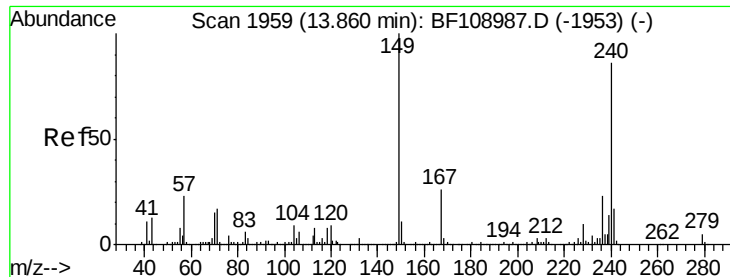
Abundance

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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

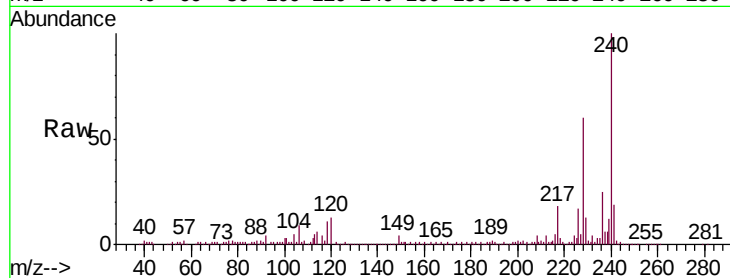
Tgt Ion:240 Resp: 343835

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

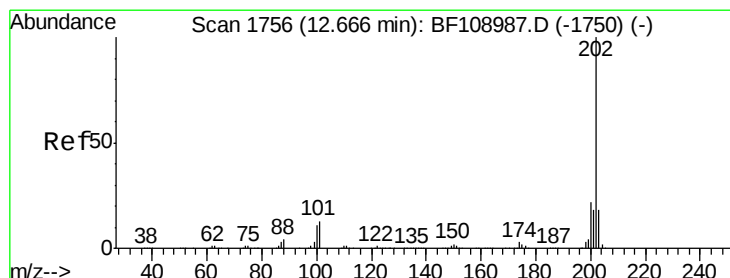
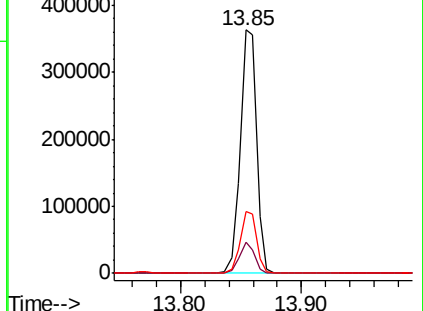
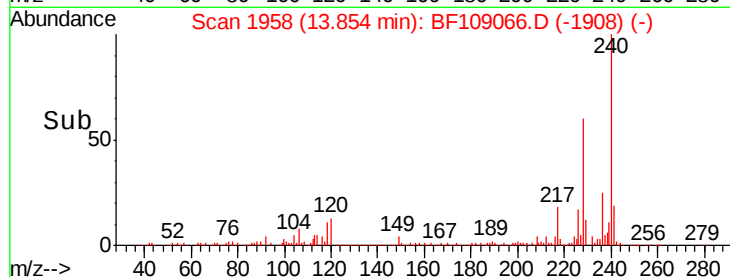
236 25.2 20.7 31.1



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: 37.260 ng

RT: 12.67 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

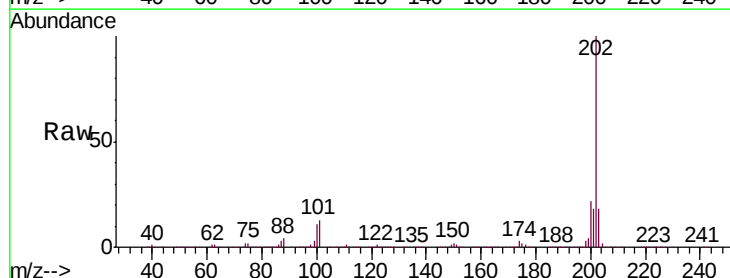
Tgt Ion:202 Resp: 951600

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

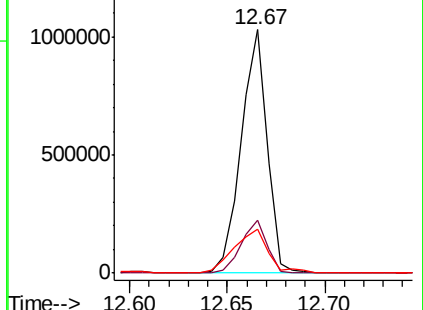
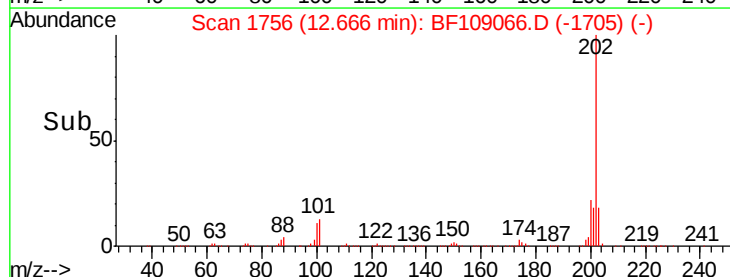
203 18.0 14.3 21.5

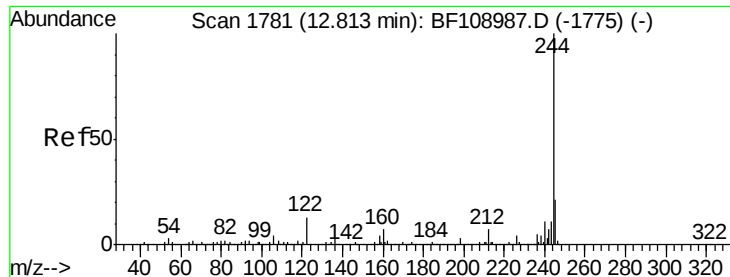


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 33.388 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

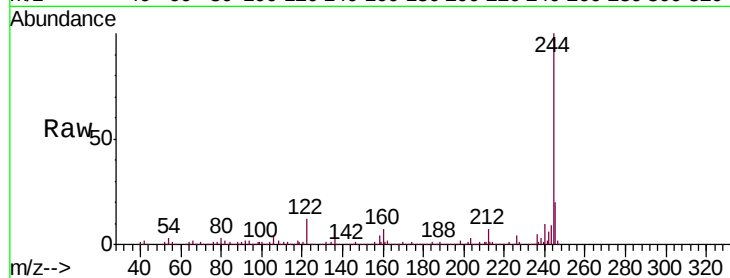
Tgt Ion:244 Resp: 484327

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

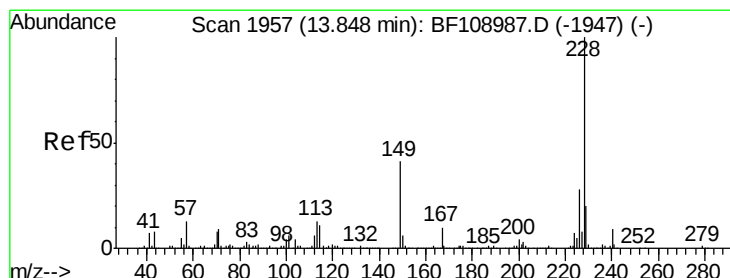
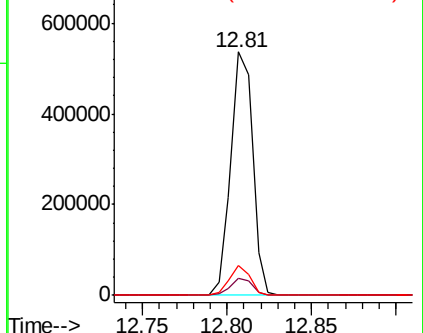
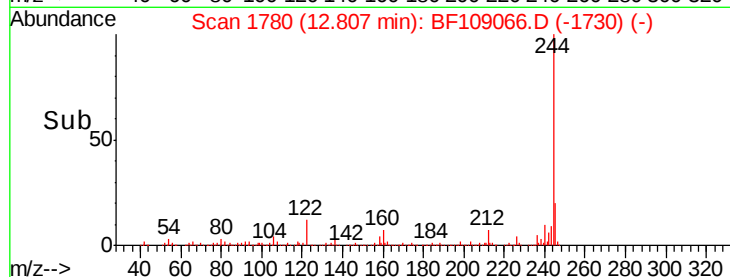
122 12.5 11.0 16.4



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: 23.630 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

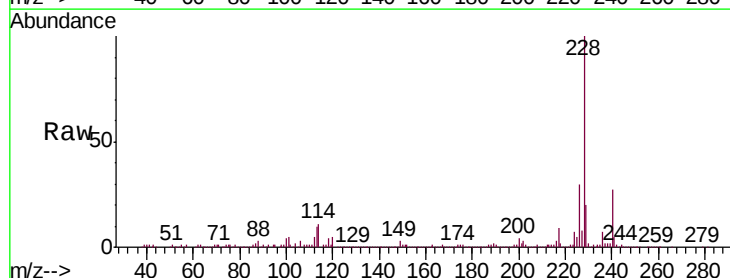
Tgt Ion:228 Resp: 491899

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

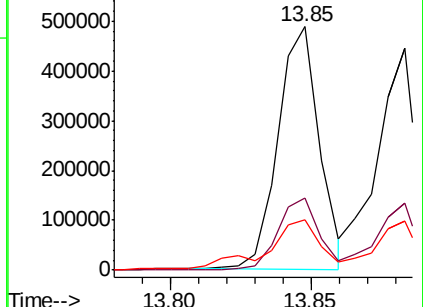
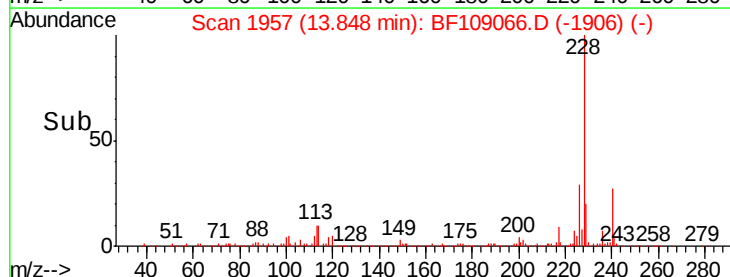
229 20.4 15.8 23.6

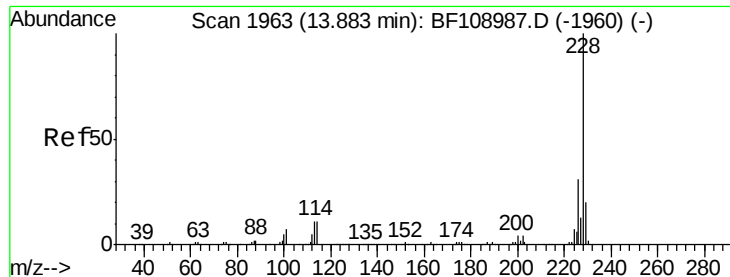


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 20.645 ng

RT: 13.88 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

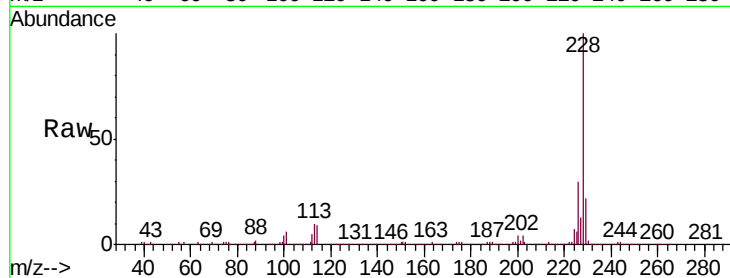
Tgt Ion:228 Resp: 429986

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

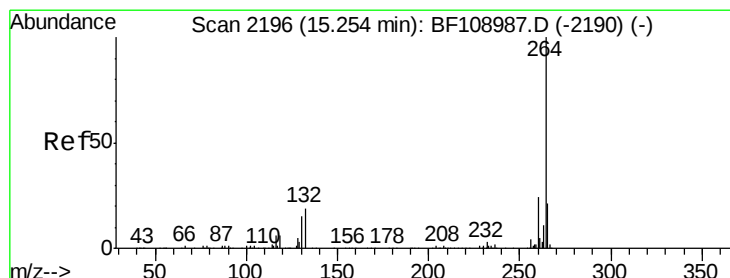
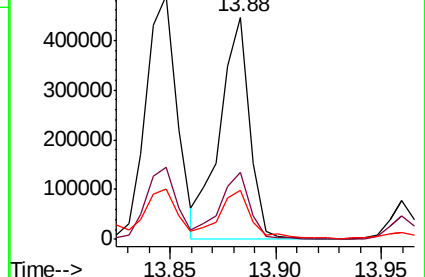
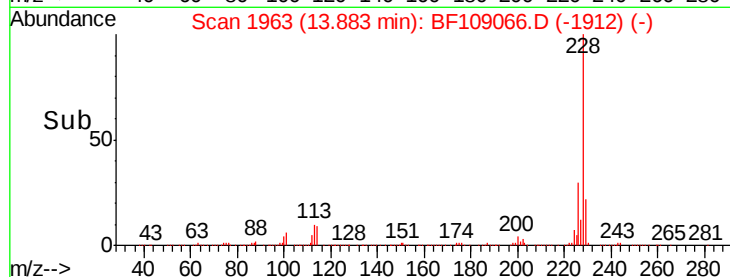
229 22.0 16.2 24.4



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: 15.26 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

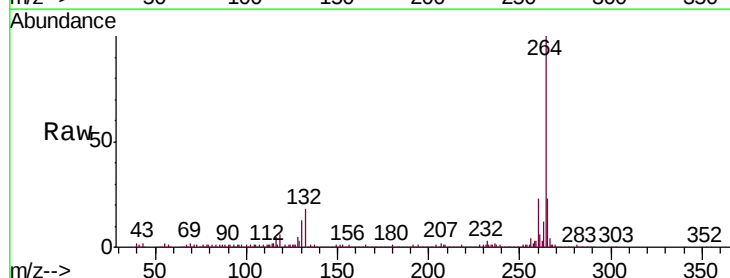
Tgt Ion:264 Resp: 292367

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

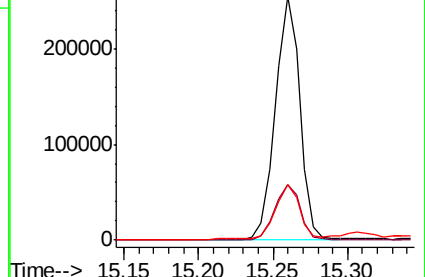
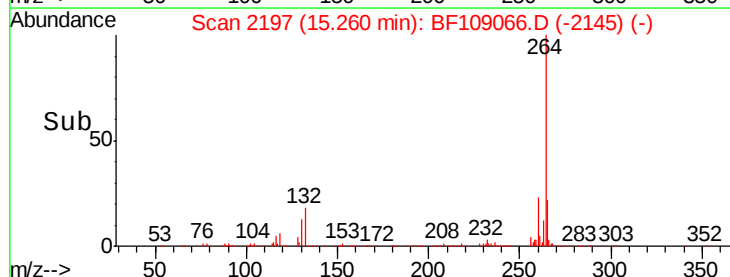
265 22.7 17.5 26.3

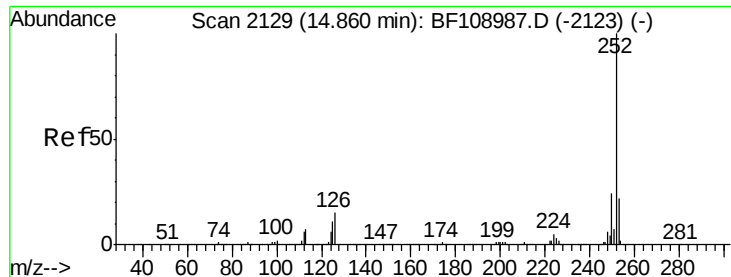


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 37.760 ng

RT: 14.87 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

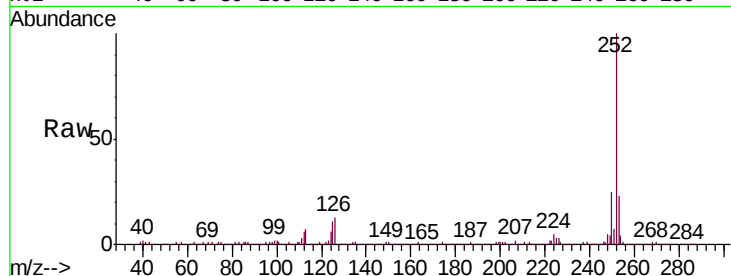
Tgt Ion:252 Resp: 610751

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

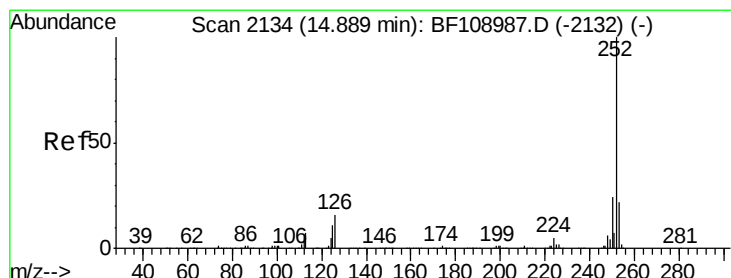
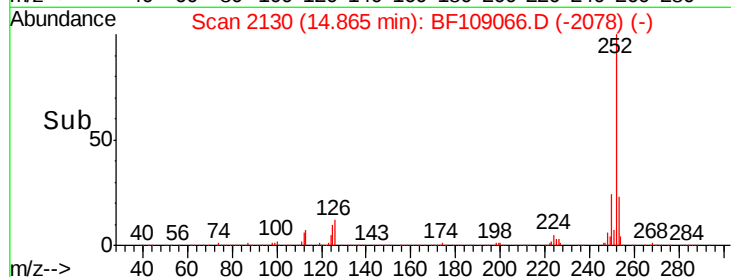
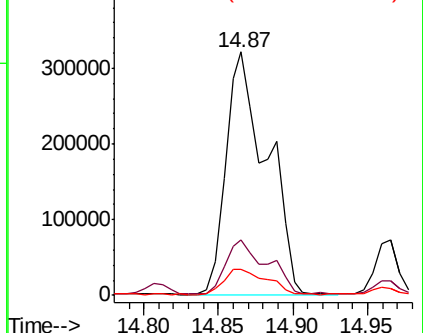
125 10.8 9.0 13.6



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: 40.428 ng

RT: 14.87 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

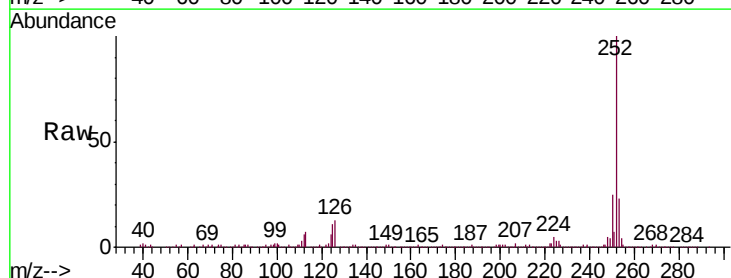
Tgt Ion:252 Resp: 610751

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

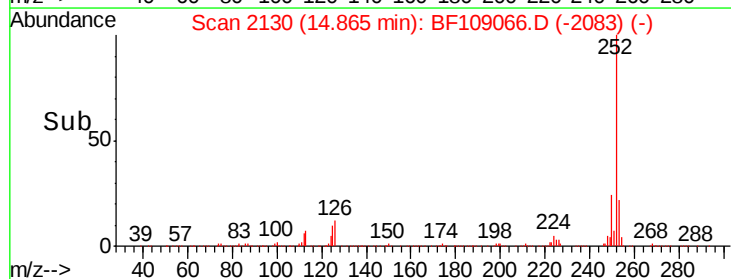
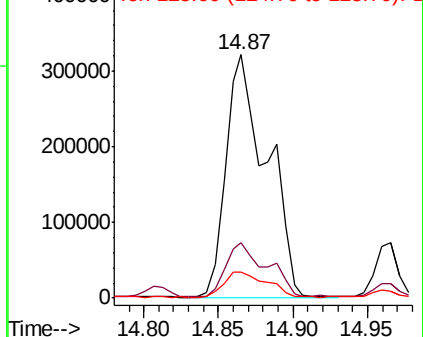
125 10.8 10.2 15.2

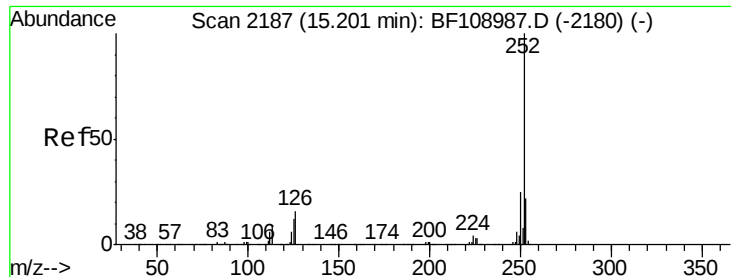


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 22.067 ng

RT: 15.20 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL

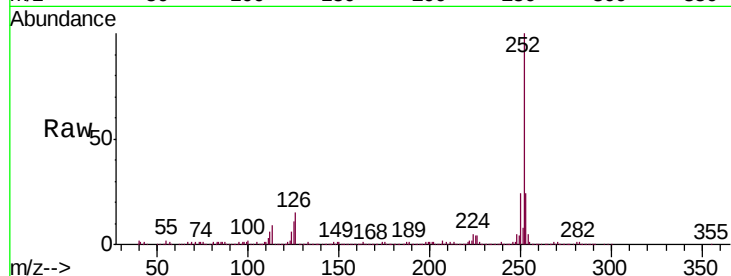
Tgt Ion:252 Resp: 316969

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

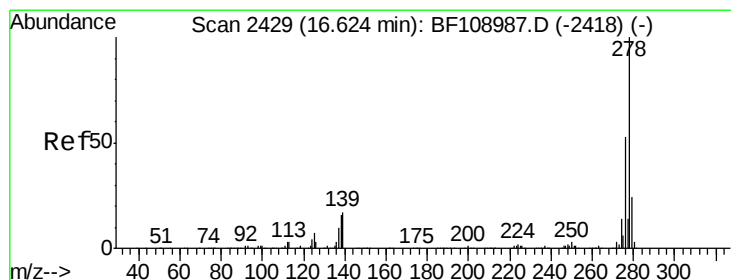
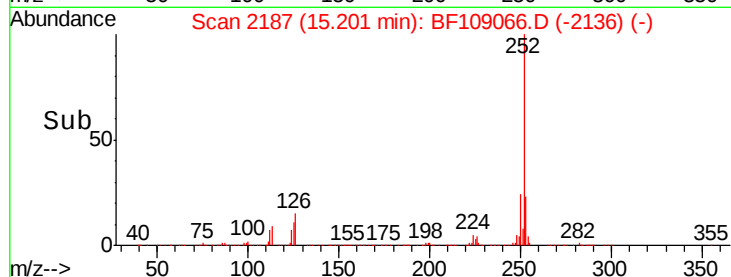
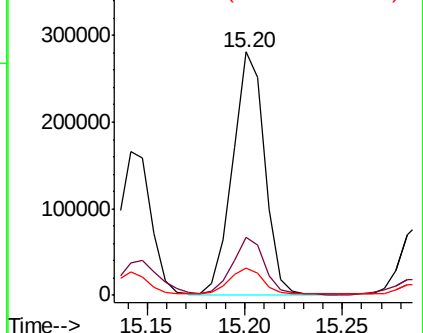
125 11.3 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 3.167 ng

RT: 16.77 min Scan# 2454

Delta R.T. 0.15 min

Lab File: BF109066.D

Acq: 18 Sep 2018 00:21

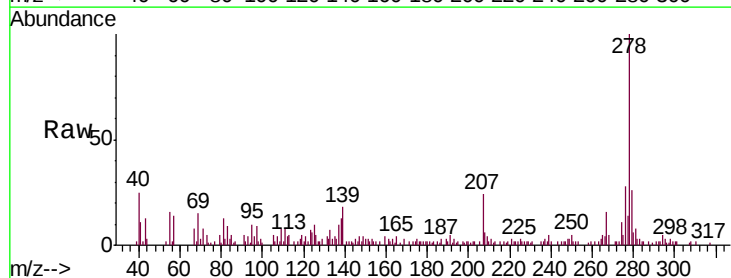
Tgt Ion:278 Resp: 38218

Ion Ratio Lower Upper

278 100

139 17.8 15.9 23.9

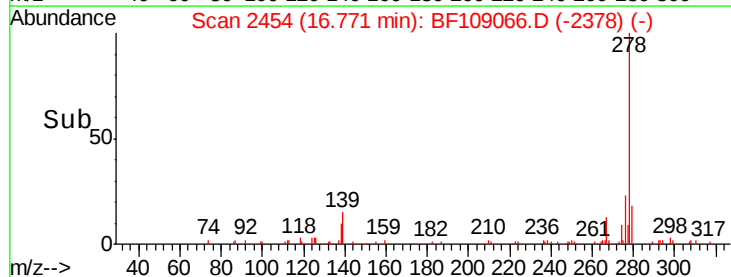
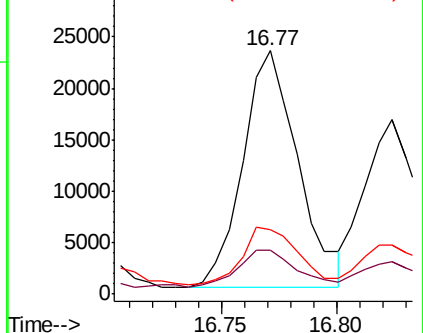
279 26.5 19.0 28.4

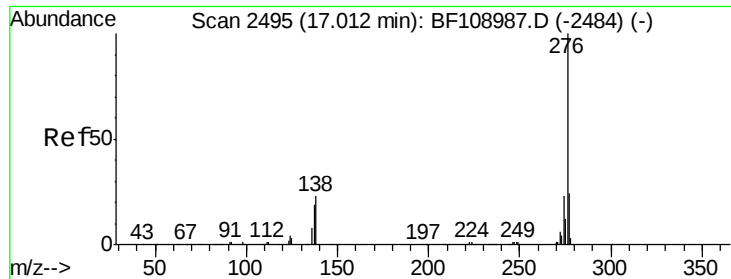


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 12.350 ng

RT: 17.01 min Scan# 2495

Delta R.T. -0.00 min

Lab File: BF109066.D

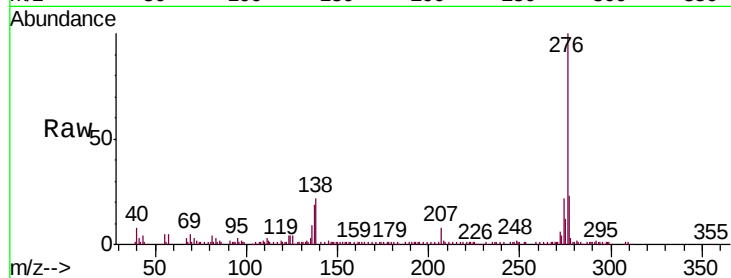
Acq: 18 Sep 2018 00:21

Instrument :

BNA_F

ClientSampleId :

CL-01-091418-BDL



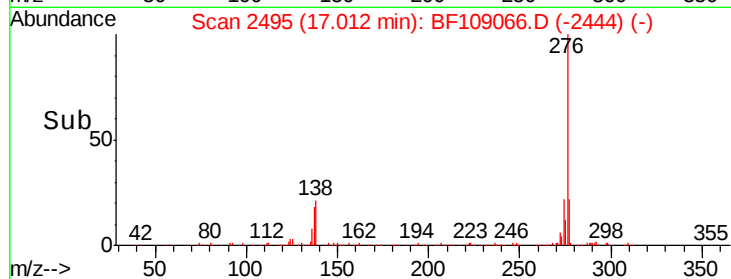
Tgt Ion: 276 Resp: 149000

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 21.9 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

