

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
 Data File : BF111206.D
 Acq On : 8 Dec 2018 00:40
 Operator : JU/SJ
 Sample : J6214-17DL 50X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(0-2)DL

Quant Time: Dec 08 02:54:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	488673	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1989530	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	745021	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1575992	20.00	ng	0.00
76) Chrysene-d12	13.96	240	833579	20.00	ng	0.00
87) Perylene-d12	15.40	264	1156815	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	74287	2.37	ng	-0.01
7) Phenol-d6	6.42	99	89373	2.22	ng	-0.01
23) Nitrobenzene-d5	7.36	82	55341	1.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	15475	2.61	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	78290	-14.96	ng	0.00
79) Terphenyl-d14	12.90	244	56417	1.39	ng	0.00

Target Compounds

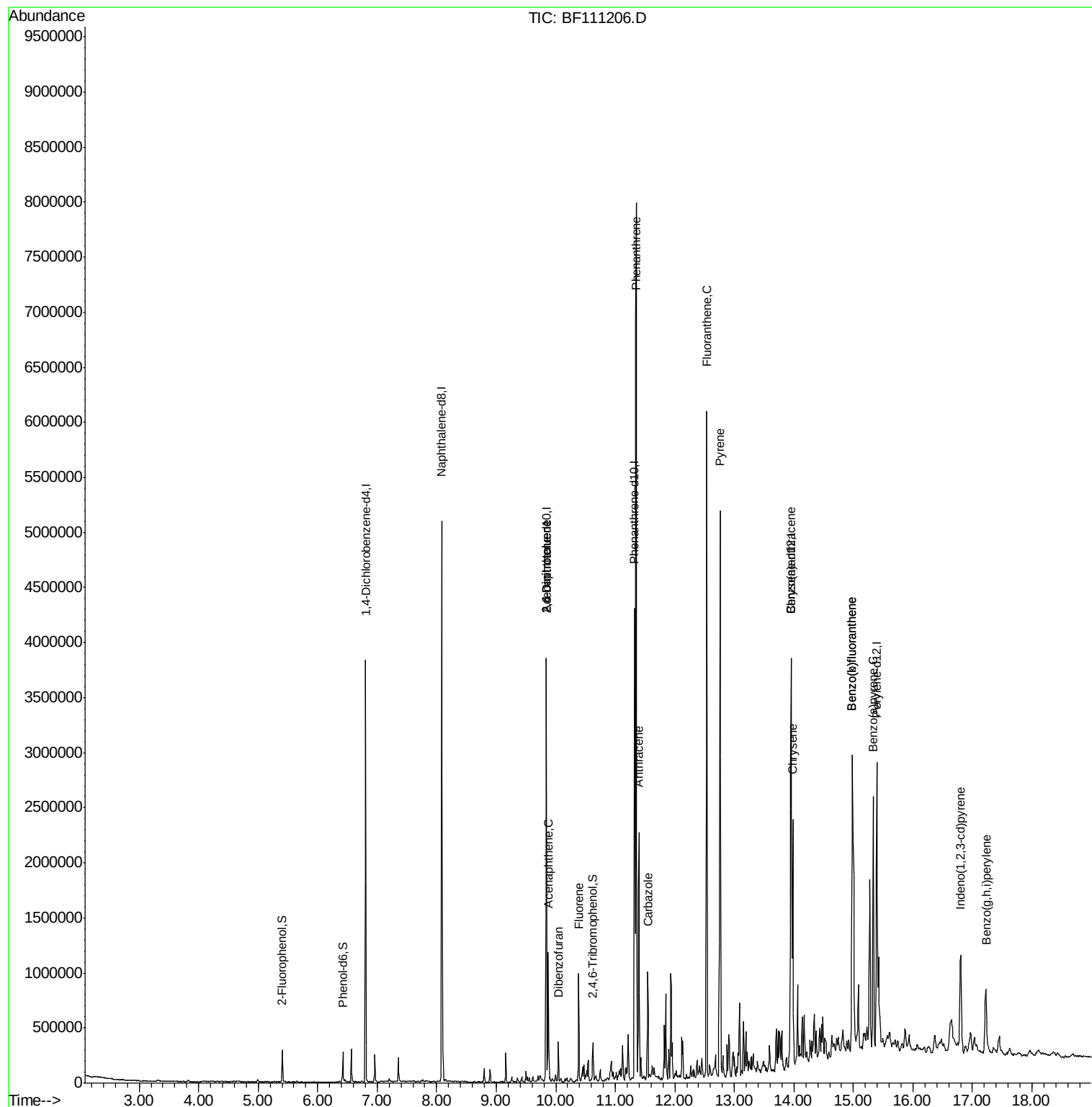
						Qvalue
9) Benzaldehyde	6.35	77	1148	Below Cal	#	54
51) 2,6-Dinitrotoluene	9.84	165	96663	8.793	ng	# 26
52) Acenaphthene	9.87	154	249894	5.710	ng	99
55) Dibenzofuran	10.05	168	131686	2.185	ng	# 88
57) 2,4-Dinitrotoluene	9.84	165	96663	6.808	ng	# 23
58) Fluorene	10.39	166	237484	5.587	ng	100
71) Phenanthrene	11.35	178	2787088	36.765	ng	98
72) Anthracene	11.40	178	778466	10.187	ng	95
73) Carbazole	11.55	167	342357	4.306	ng	94
75) Fluoranthene	12.53	202	2443827	32.944	ng	98
77) Benzidine	12.65	184	8051	Below Cal	#	91
78) Pyrene	12.76	202	1959922	30.180	ng	96
81) Benzo(a)anthracene	13.94	228	946152	19.373	ng	99
83) Chrysene	13.98	228	852476	17.582	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	523515	13.448	ng	# 89
88) Benzo(b)fluoranthene	14.98	252	1924378	29.357	ng	98
89) Benzo(k)fluoranthene	14.98	252	1924378	30.368	ng	97
90) Benzo(a)pyrene	15.33	252	989718	16.461	ng	98
92) Benzo(g,h,i)perylene	17.23	276	427508	8.431	ng	98

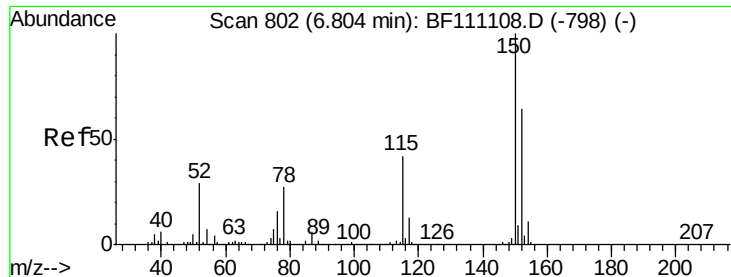
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
Data File : BF111206.D
Acq On : 8 Dec 2018 00:40
Operator : JU/SJ
Sample : J6214-17DL 50X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Quant Time: Dec 08 02:54:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
Response via : Initial Calibration



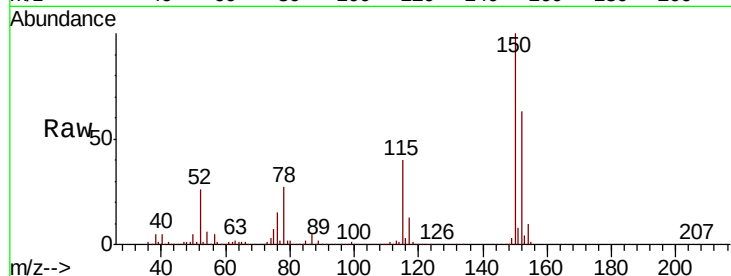


#1

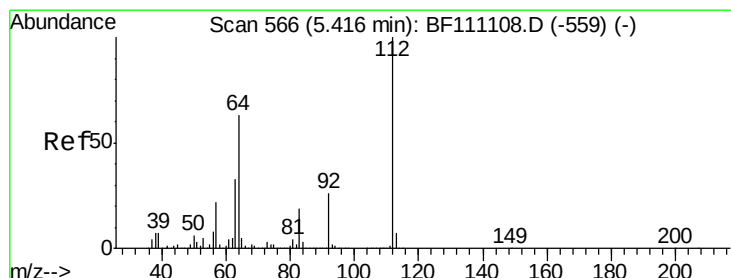
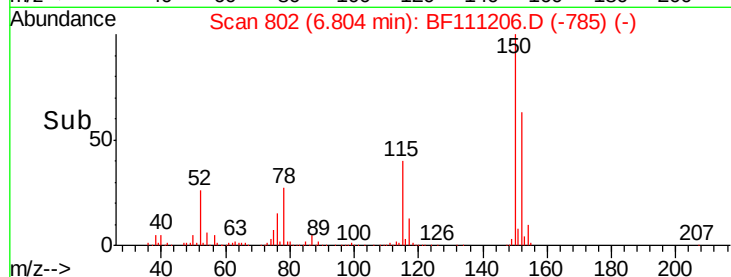
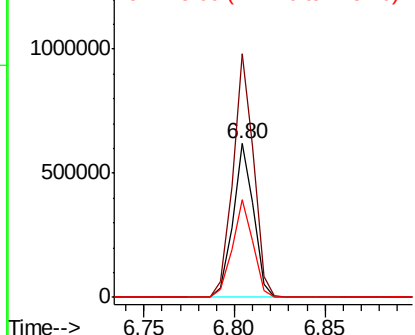
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tgt Ion:152 Resp: 488673
Ion Ratio Lower Upper
152 100
150 158.6 124.6 187.0
115 63.5 52.2 78.2



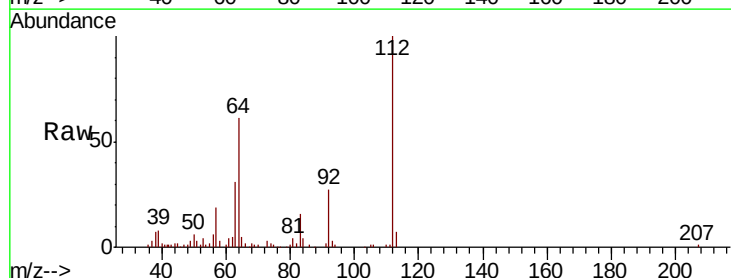
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



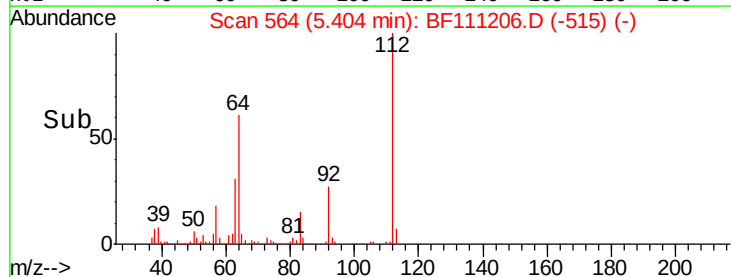
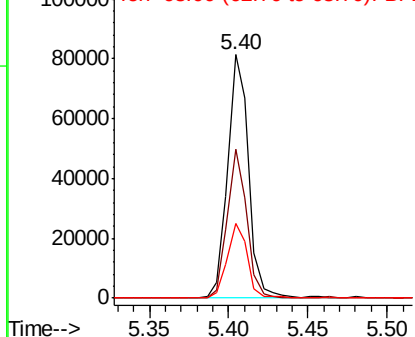
#5

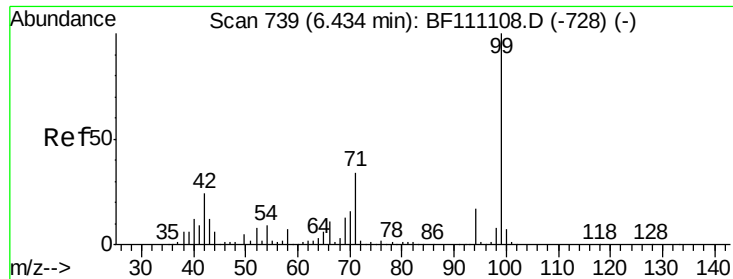
2-Fluorophenol
Concen: 2.372 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion:112 Resp: 74287
Ion Ratio Lower Upper
112 100
64 61.4 50.2 75.4
63 30.7 26.6 39.8



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: 2.215 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

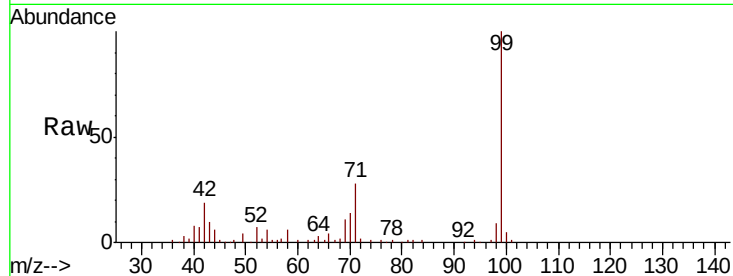
Tgt Ion: 99 Resp: 89373

Ion Ratio Lower Upper

99 100

42 19.5 19.3 28.9

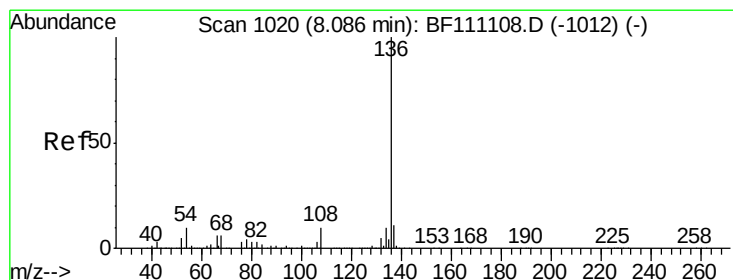
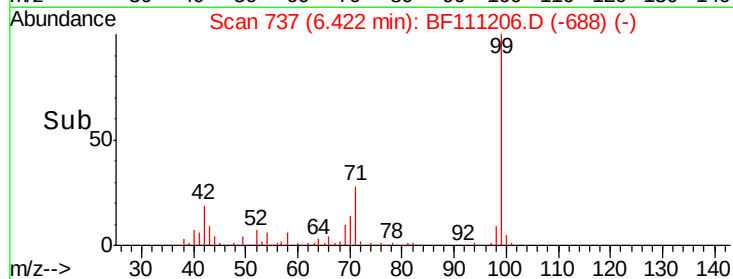
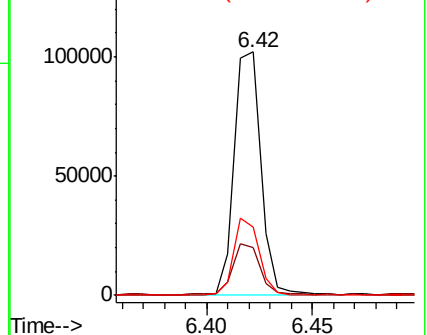
71 27.9 27.4 41.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Tgt Ion: 136 Resp: 1989530

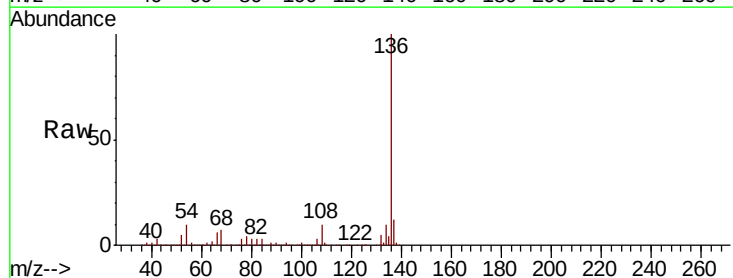
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 9.9 8.4 12.6

68 6.7 5.0 7.4

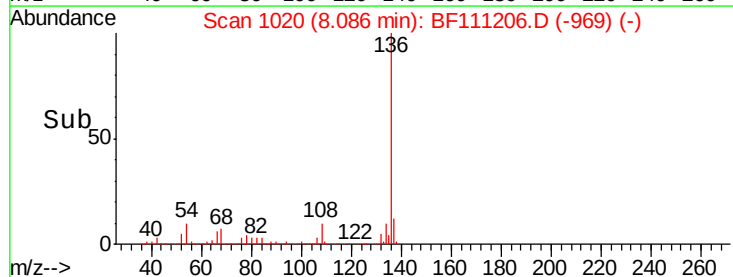
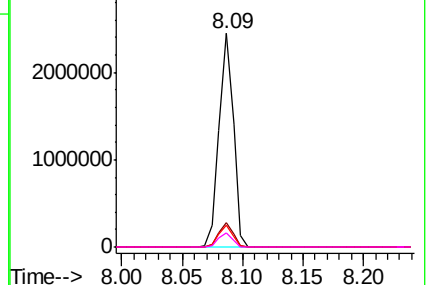


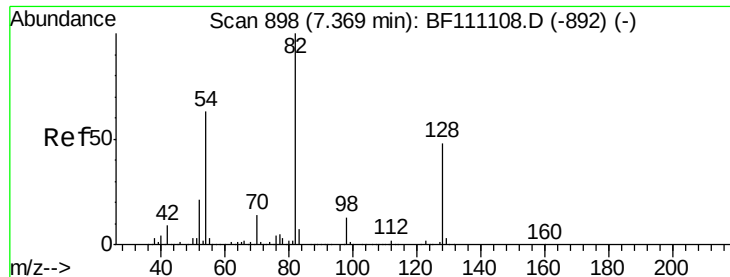
Abundance Ion 136.00 (135.70 to 136.70): E

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

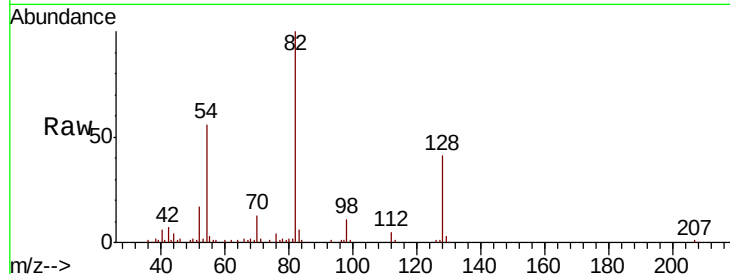




#23
 Nitrobenzene-d5
 Concen: 1.647 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Instrument :
 BNA_F
 ClientSampleID :
 SB-10(0-2)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.2	38.1	57.1
54	55.9	50.3	75.5

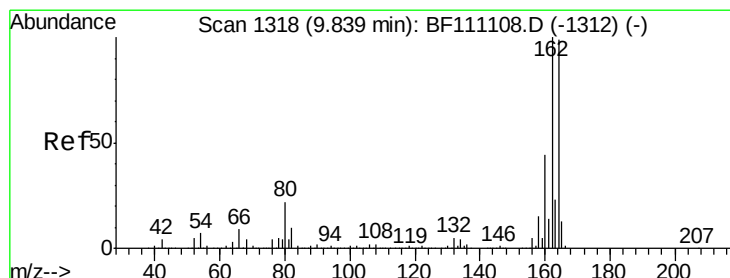
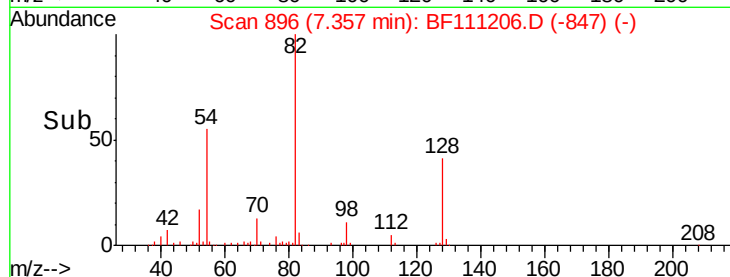
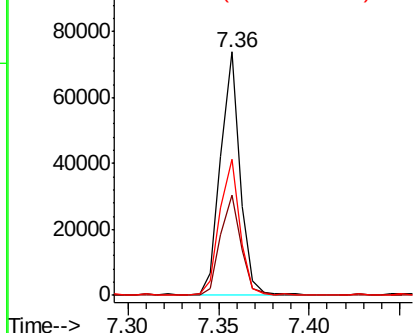


Abundance

Ion 82.00 (81.70 to 82.70): BF1

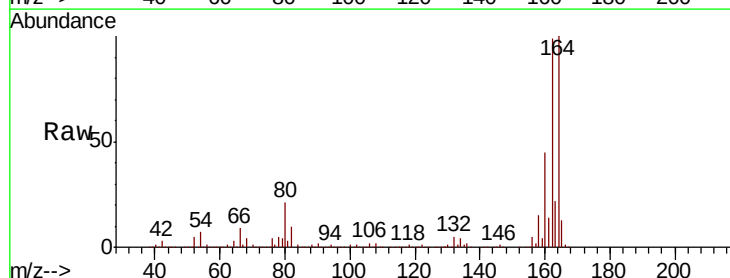
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	120.8
160	44.7	35.5	53.3

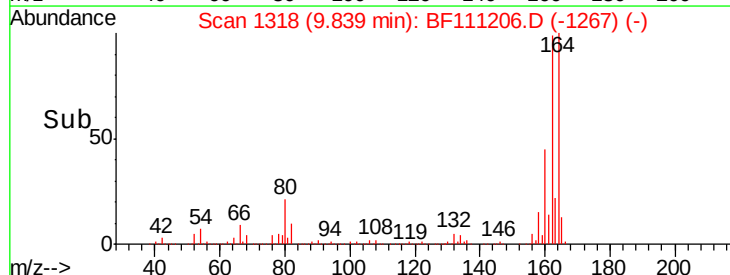
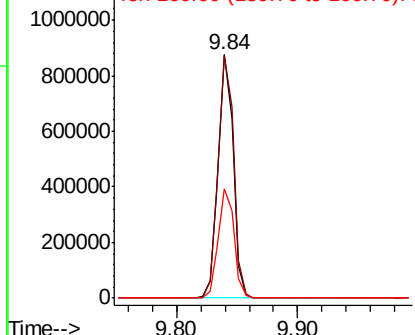


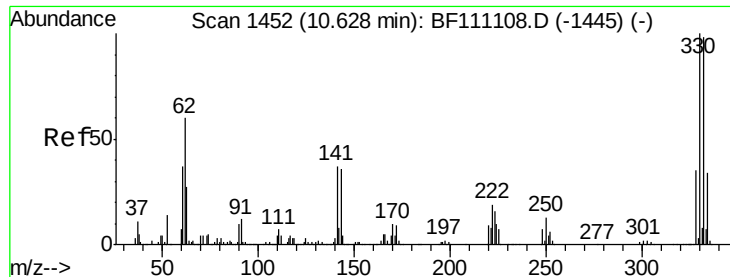
Abundance

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





#42

2,4,6-Tribromophenol

Concen: 2.613 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

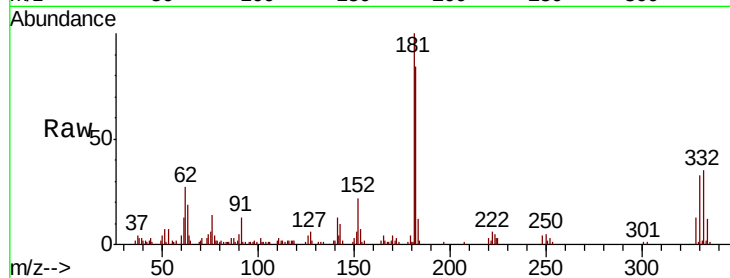
Tgt Ion:330 Resp: 15475

Ion Ratio Lower Upper

330 100

332 105.7 77.2 115.8

141 48.4 36.1 54.1

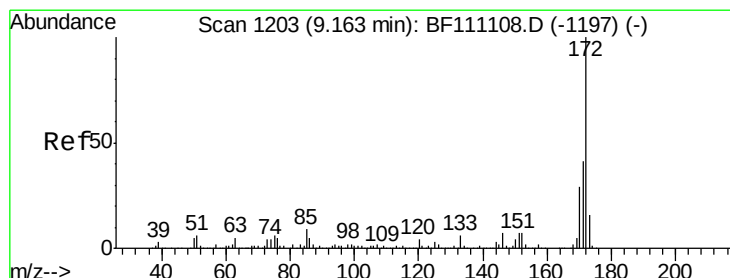
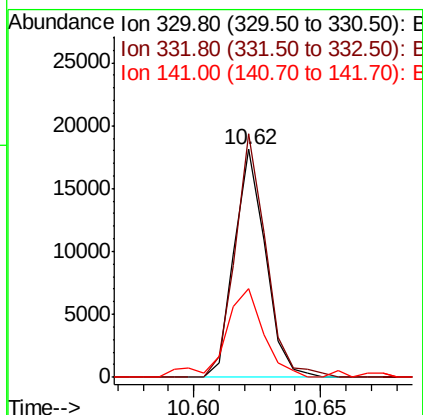
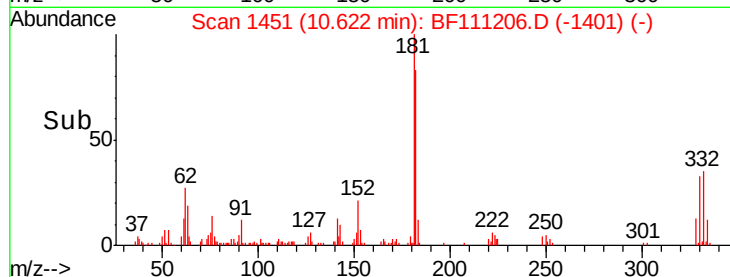


Abundance

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



#45

2-Fluorobiphenyl

Concen: -14.959 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

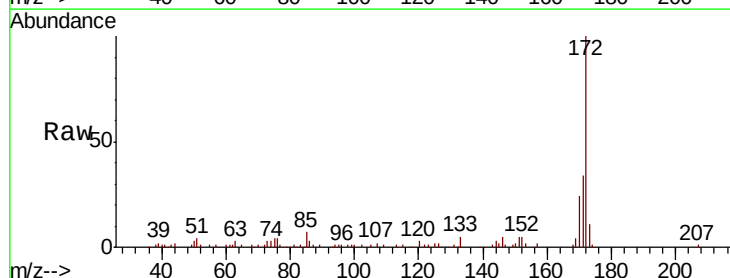
Tgt Ion:172 Resp: 78290

Ion Ratio Lower Upper

172 100

171 33.9 33.2 49.8

170 23.8 22.9 34.3

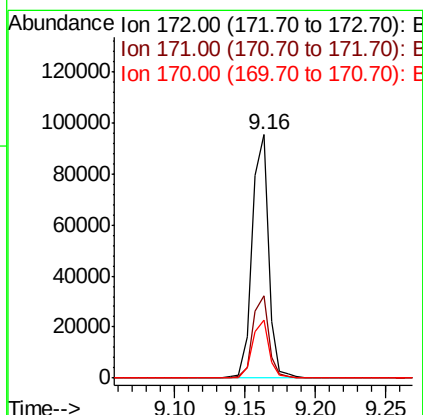
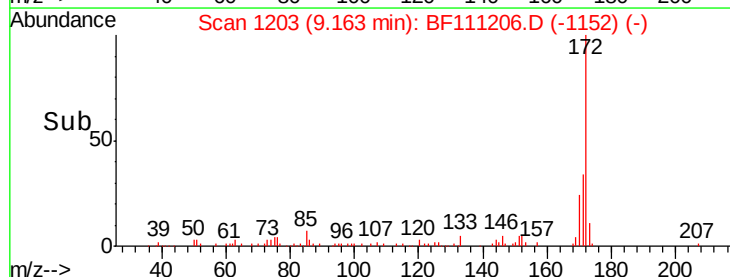


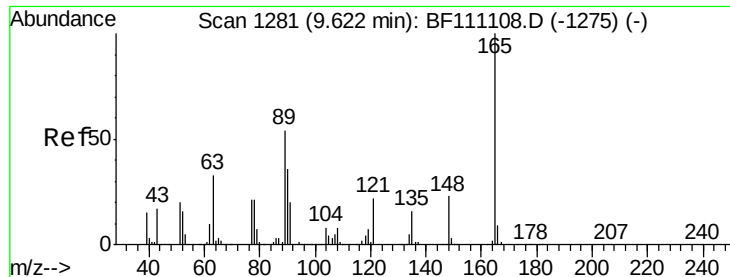
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.793 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.22 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

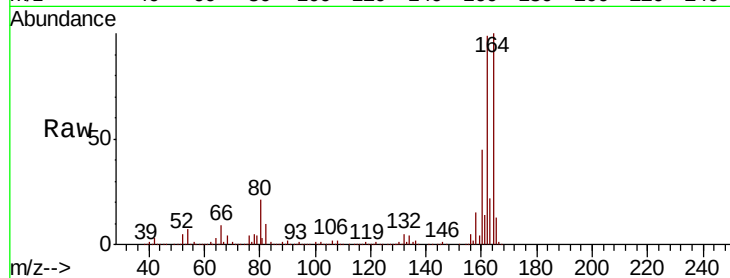
Tgt Ion:165 Resp: 96663

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

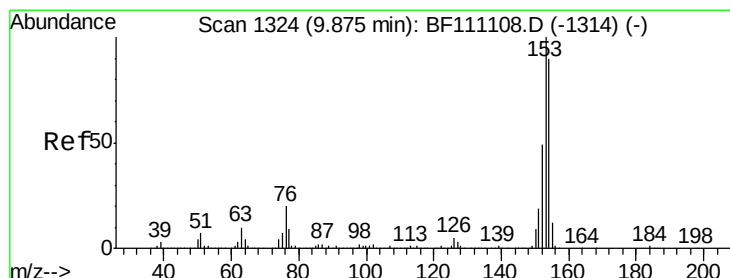
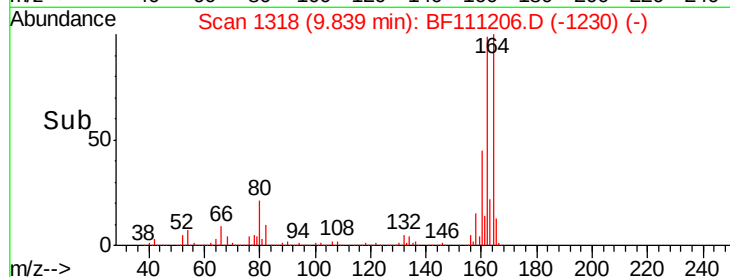
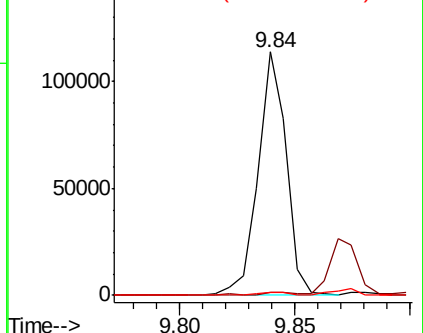
89 1.3 43.0 64.4#



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



#52

Acenaphthene

Concen: 5.710 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

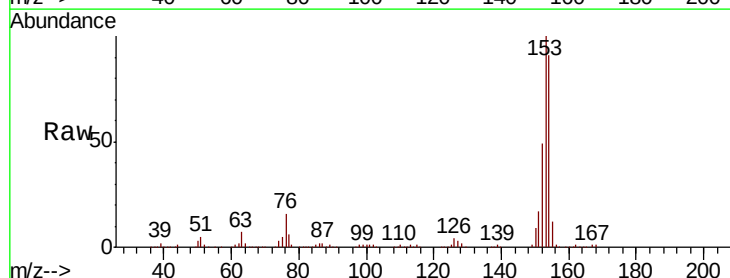
Tgt Ion:154 Resp: 249894

Ion Ratio Lower Upper

154 100

153 110.0 88.7 133.1

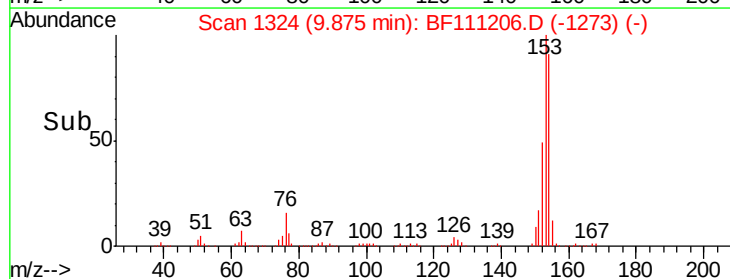
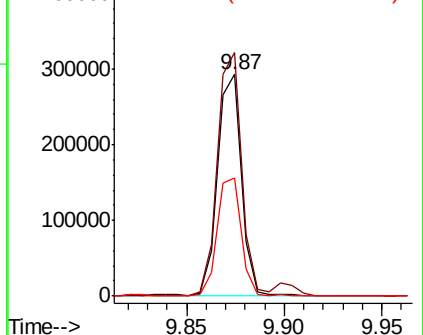
152 53.4 43.8 65.8

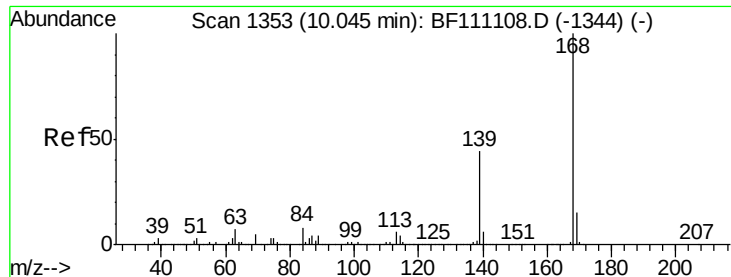


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

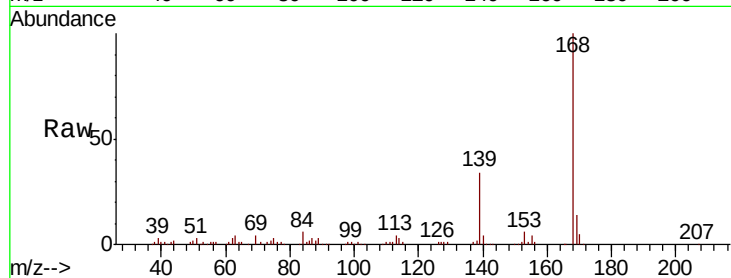




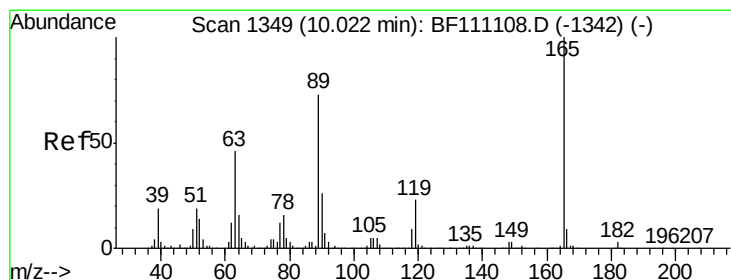
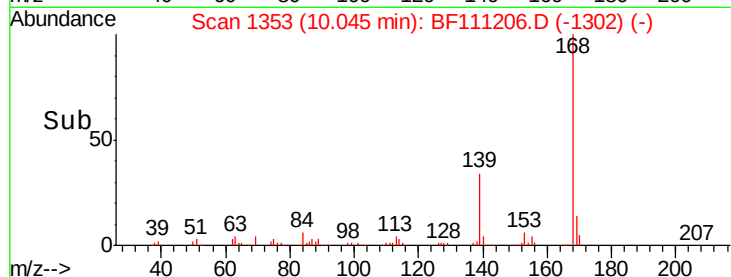
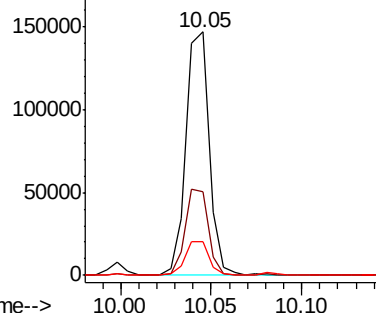
#55
Dibenzofuran
Concen: 2.185 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

Tgt Ion:168 Resp: 131686
Ion Ratio Lower Upper
168 100
139 34.2 35.1 52.7#
169 13.8 12.2 18.4

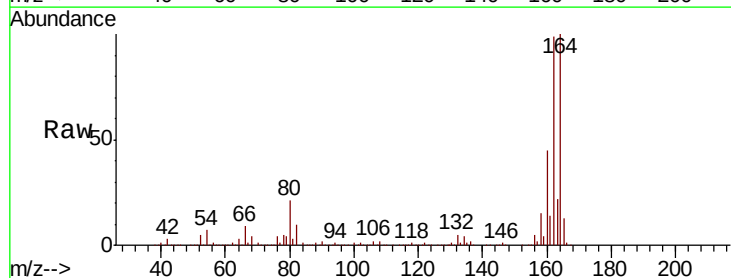


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

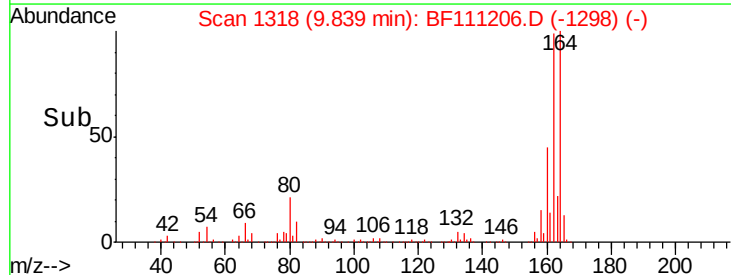
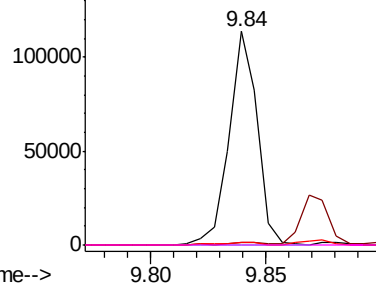


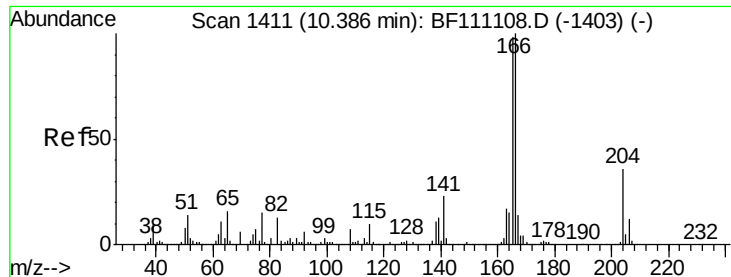
#57
2,4-Dinitrotoluene
Concen: 6.808 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion:165 Resp: 96663
Ion Ratio Lower Upper
165 100
63 1.2 36.7 55.1#
89 1.3 58.4 87.6#
182 0.0 2.1 3.1#



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

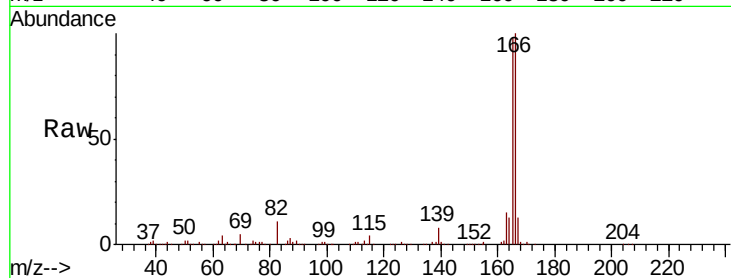




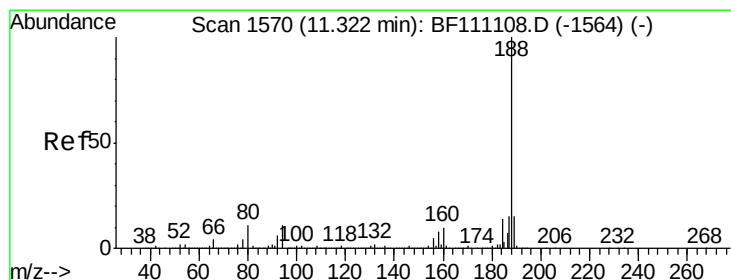
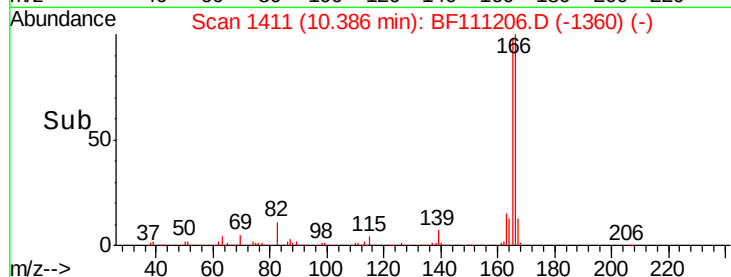
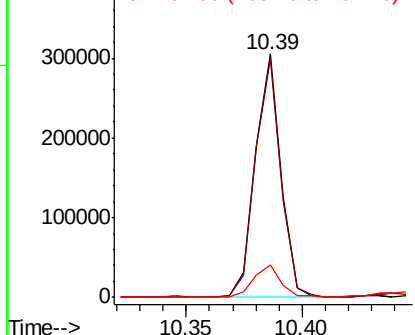
#58
 Fluorene
 Concen: 5.587 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(0-2)DL

Tgt Ion:166 Resp: 237484
 Ion Ratio Lower Upper
 166 100
 165 98.1 78.4 117.6
 167 13.5 11.4 17.2

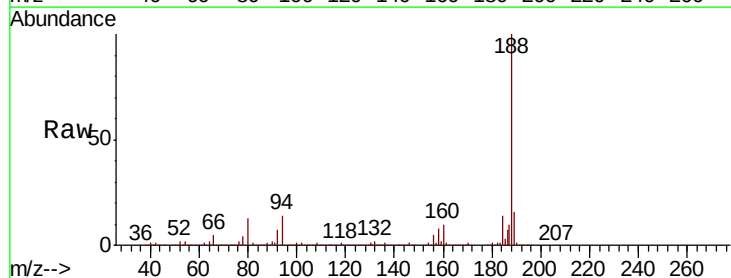


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

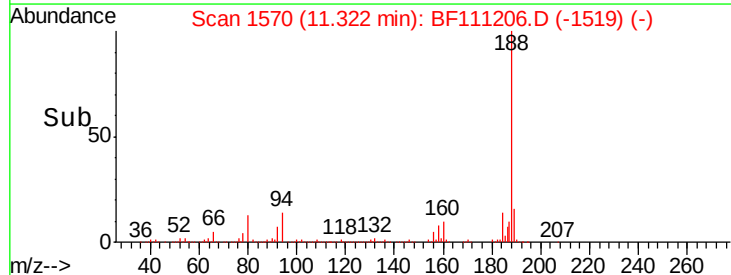
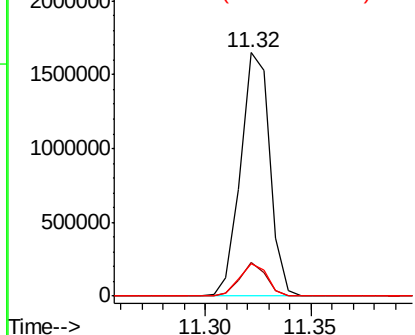


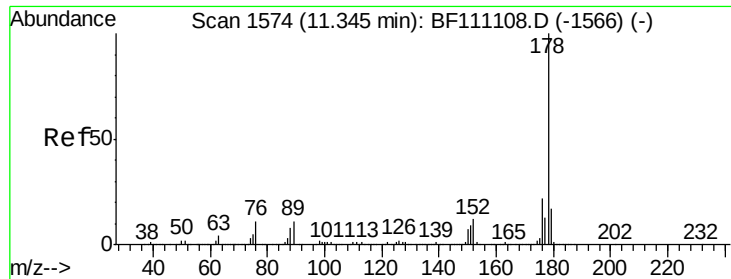
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Tgt Ion:188 Resp: 1575992
 Ion Ratio Lower Upper
 188 100
 94 13.8 8.5 12.7#
 80 13.5 9.0 13.6



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

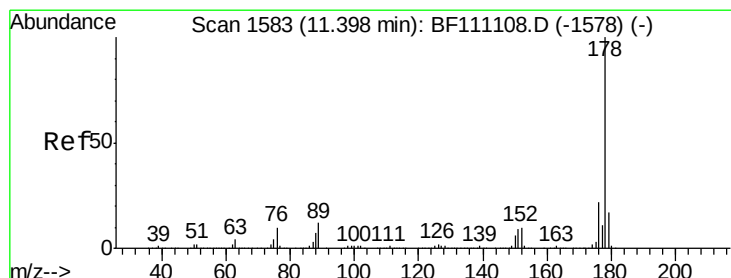
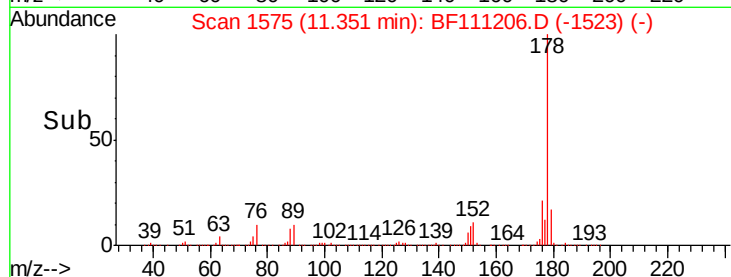
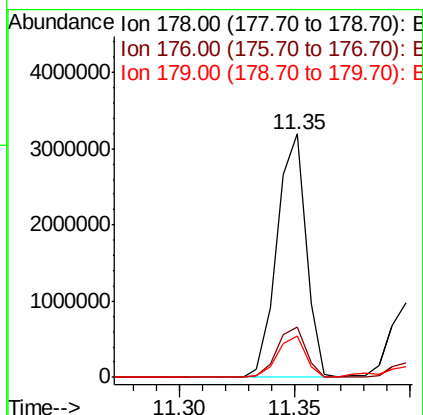
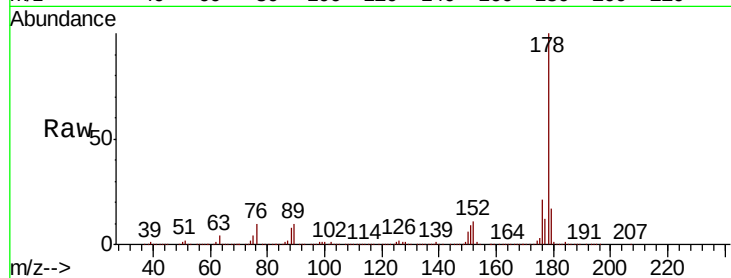




#71
Phenanthrene
Concen: 36.765 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

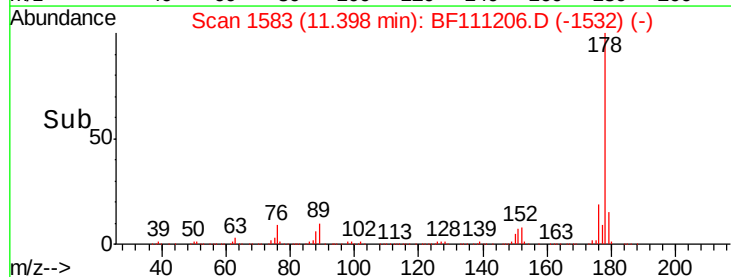
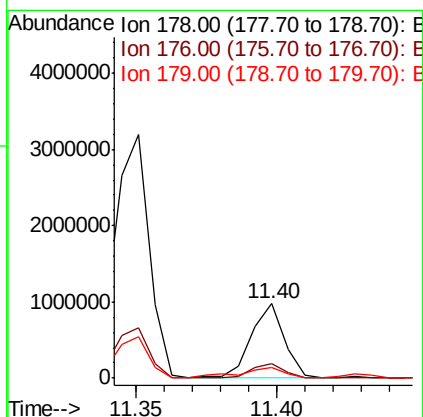
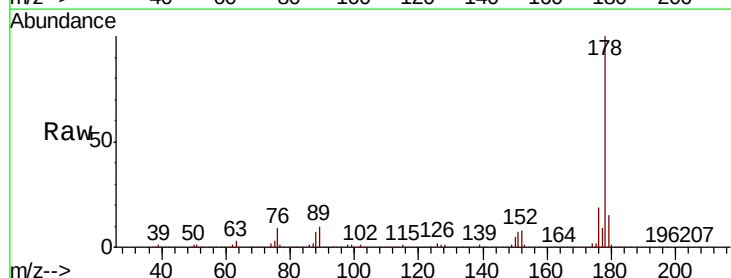
Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)DL

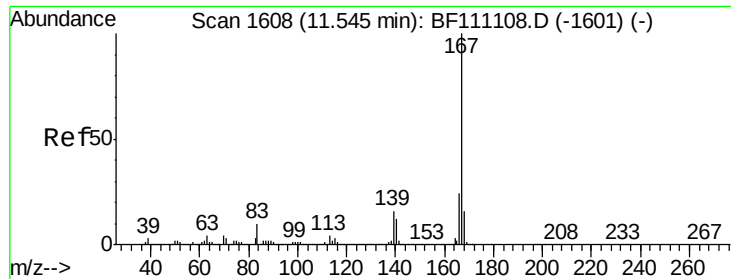
Tgt Ion:178 Resp: 2787088
Ion Ratio Lower Upper
178 100
176 20.9 17.7 26.5
179 16.9 14.0 21.0



#72
Anthracene
Concen: 10.187 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion:178 Resp: 778466
Ion Ratio Lower Upper
178 100
176 18.9 17.3 25.9
179 15.0 13.8 20.8

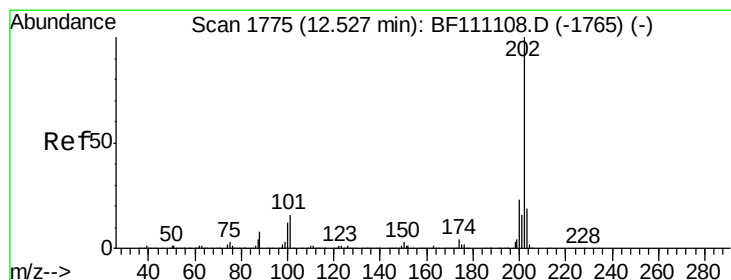
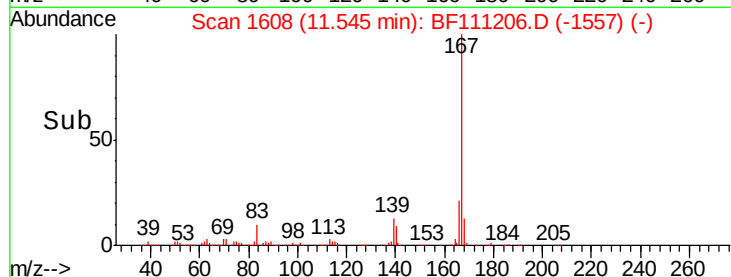
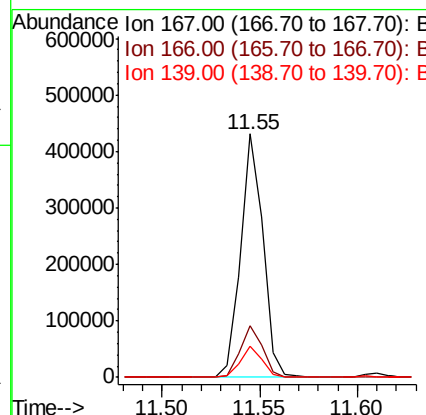
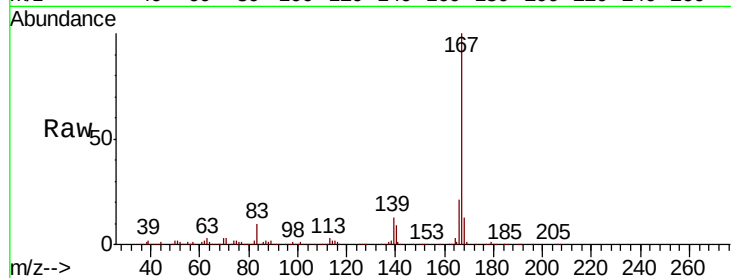




#73
 Carbazole
 Concen: 4.306 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

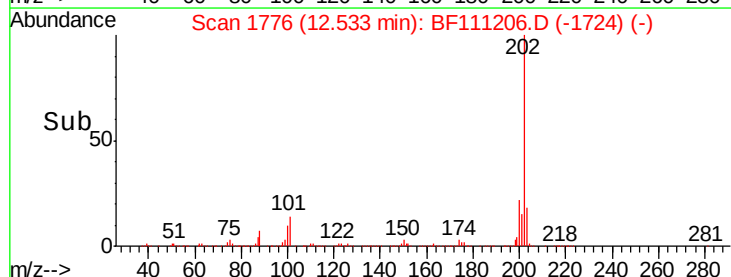
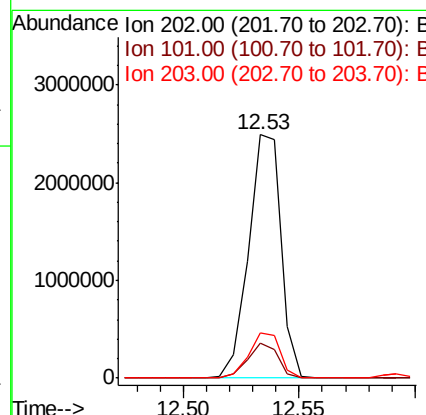
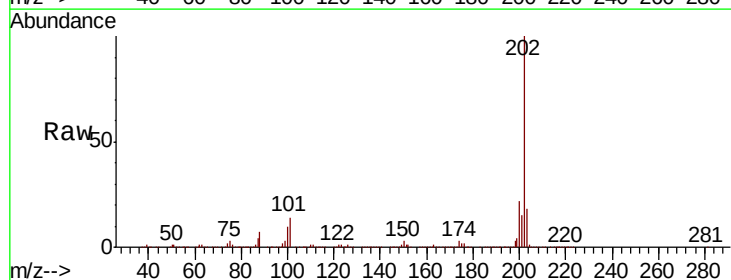
Instrument :
 BNA_F
 ClientSampleId :
 SB-10(0-2)DL

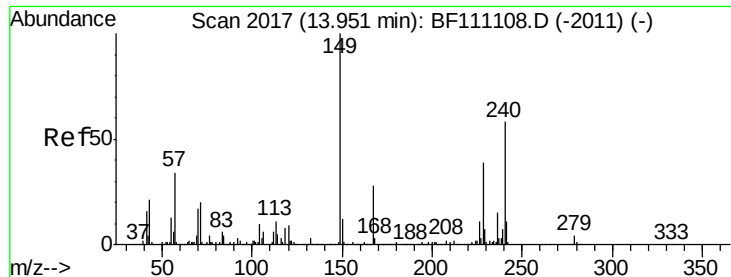
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	19.4	29.0
139	13.0	12.6	18.8



#75
 Fluoranthene
 Concen: 32.944 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111206.D
 Acq: 8 Dec 2018 00:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	35.8
203	18.4	0.0	38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

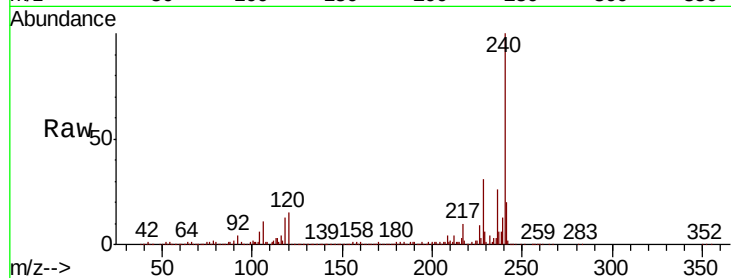
Tgt Ion:240 Resp: 833579

Ion Ratio Lower Upper

240 100

120 14.5 12.8 19.2

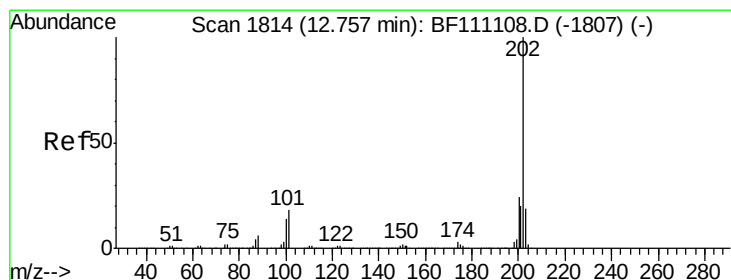
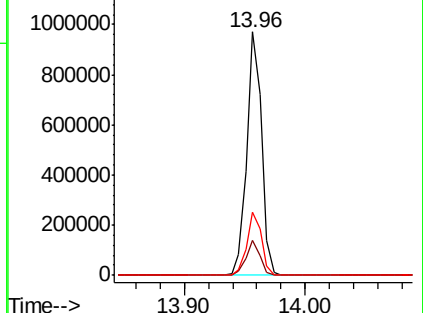
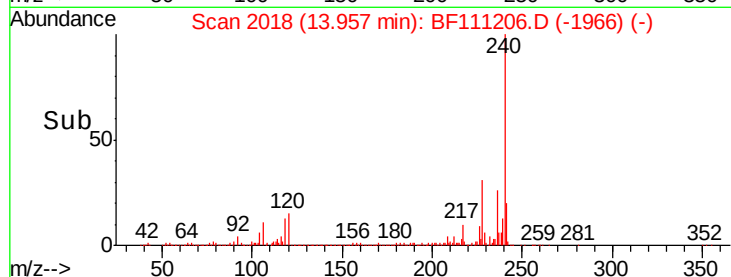
236 25.7 21.1 31.7



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



#78

Pyrene

Concen: 30.180 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

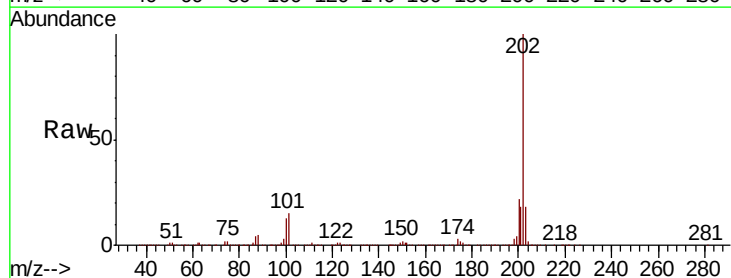
Tgt Ion:202 Resp: 1959922

Ion Ratio Lower Upper

202 100

200 21.8 19.3 28.9

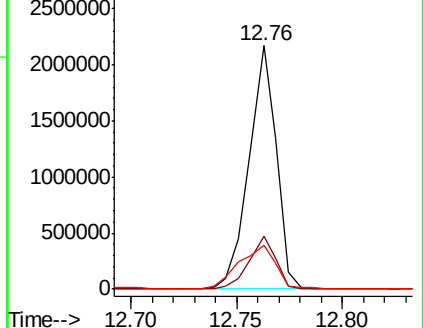
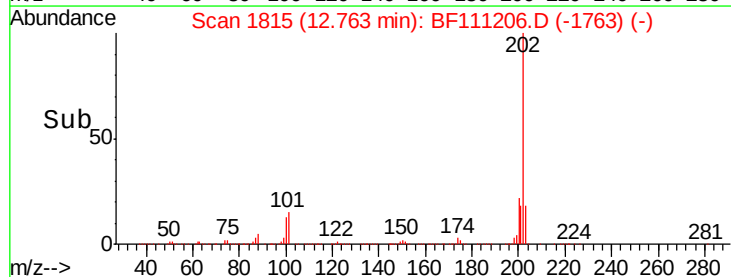
203 18.3 15.4 23.2

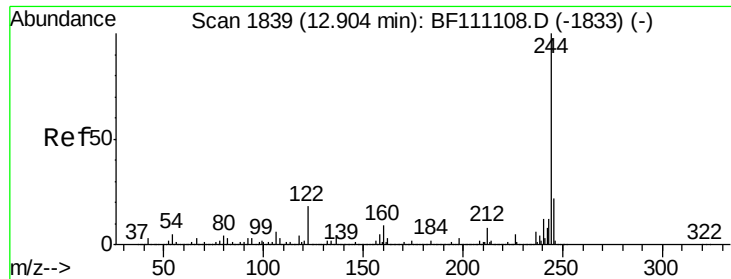


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 1.386 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

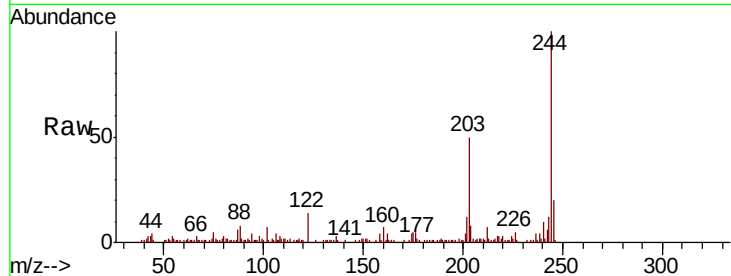
Tgt Ion:244 Resp: 56417

Ion Ratio Lower Upper

244 100

212 6.9 6.6 9.8

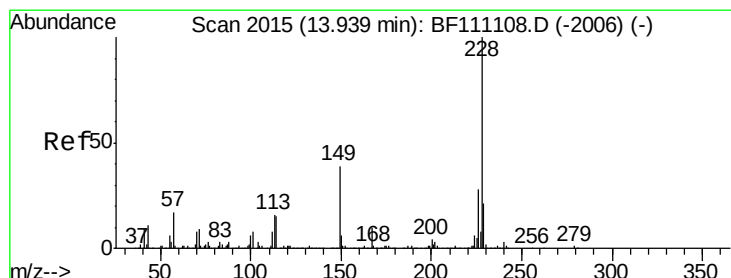
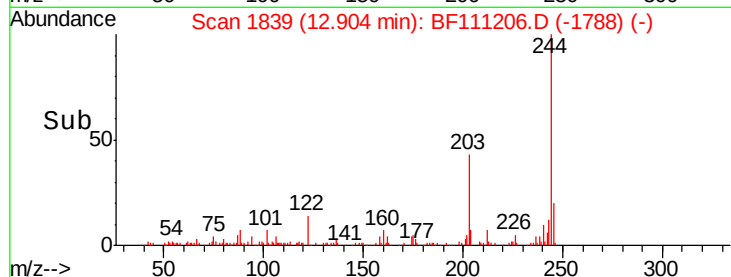
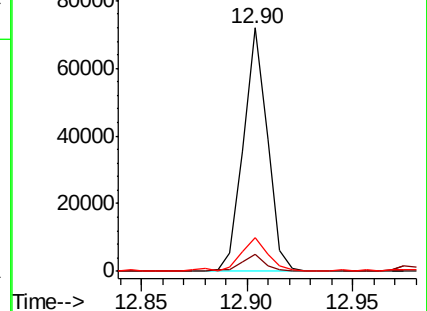
122 13.7 14.2 21.2#



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



#81

Benzo(a)anthracene

Concen: 19.373 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

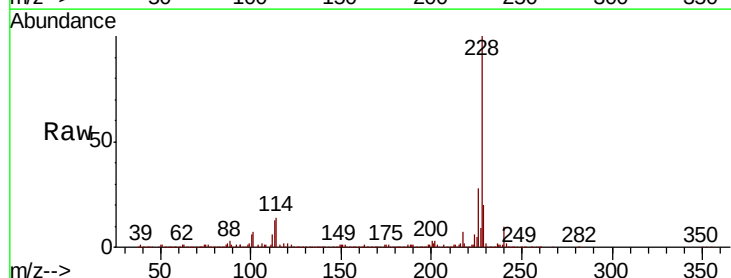
Tgt Ion:228 Resp: 946152

Ion Ratio Lower Upper

228 100

226 27.8 22.6 34.0

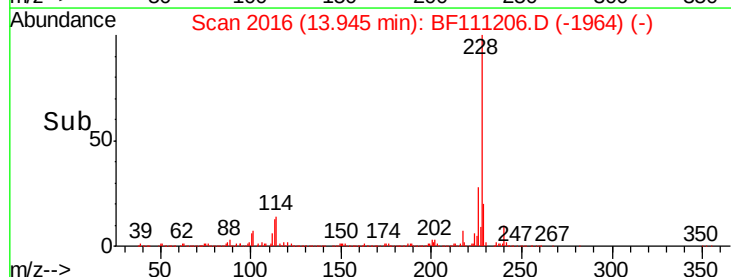
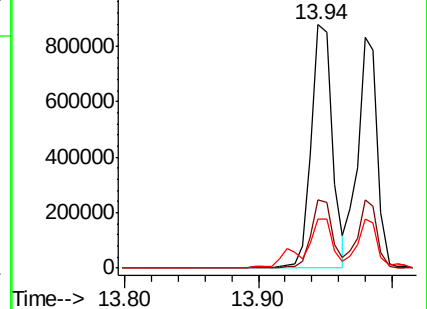
229 20.2 16.7 25.1

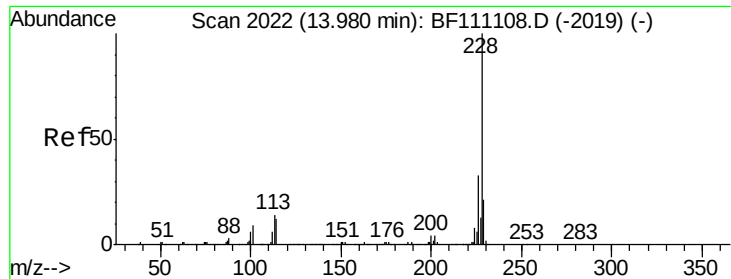


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 17.582 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

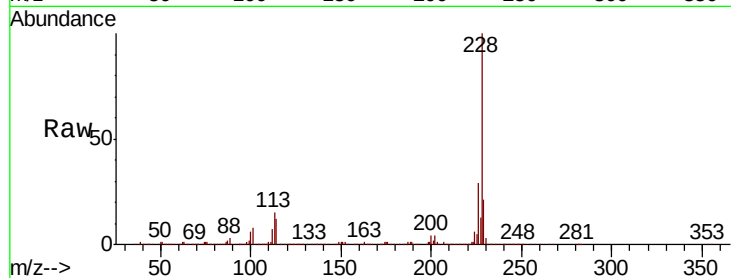
Tgt Ion:228 Resp: 852476

Ion Ratio Lower Upper

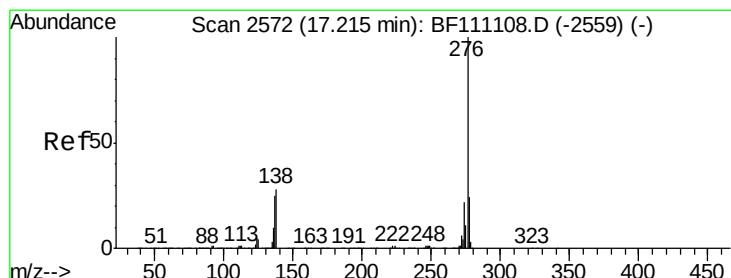
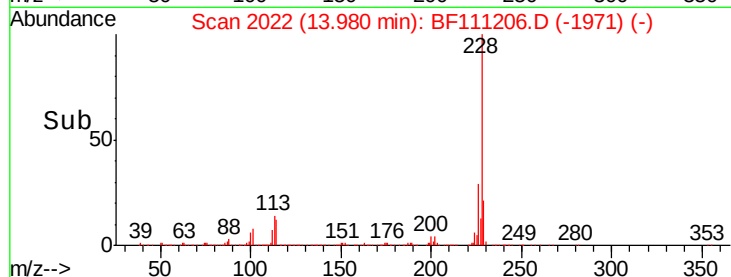
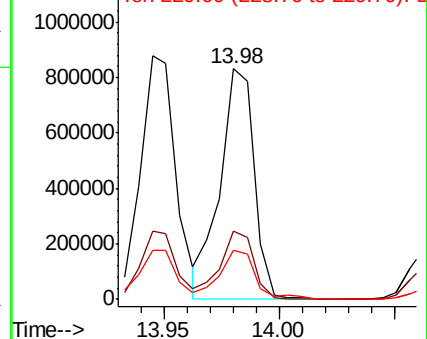
228 100

226 29.3 26.2 39.2

229 21.2 16.9 25.3



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

Indeno(1,2,3-cd)pyrene

Concen: 13.448 ng

RT: 16.80 min Scan# 2502

Delta R.T. 0.02 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

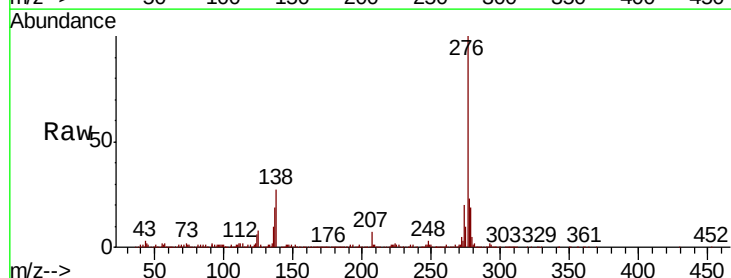
Tgt Ion:276 Resp: 523515

Ion Ratio Lower Upper

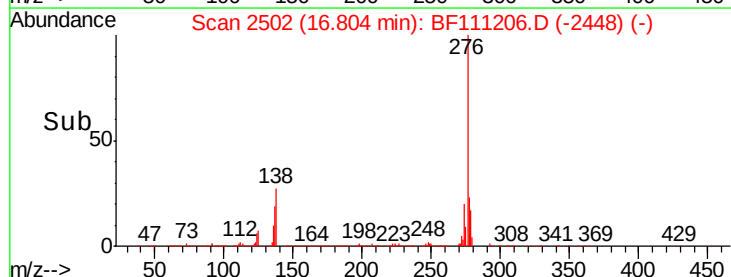
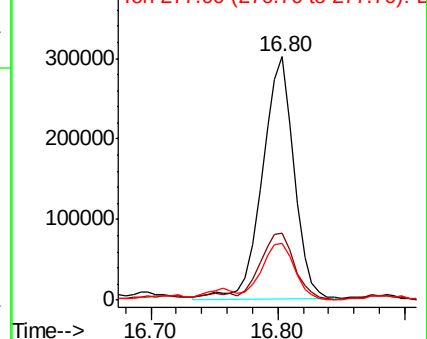
276 100

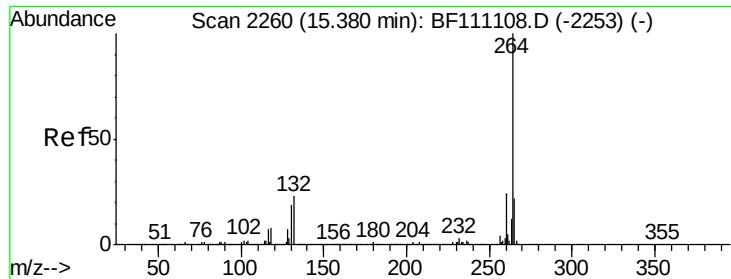
138 31.3 20.2 30.4#

277 23.9 15.8 23.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.02 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL

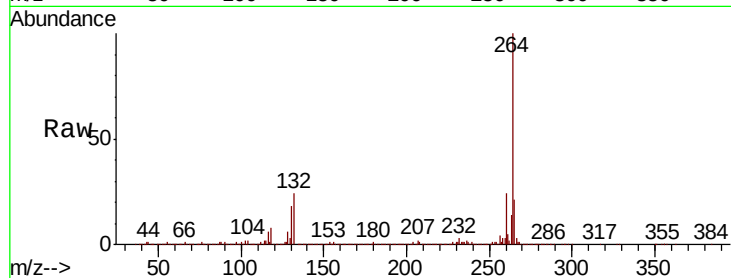
Tgt Ion:264 Resp: 1156815

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

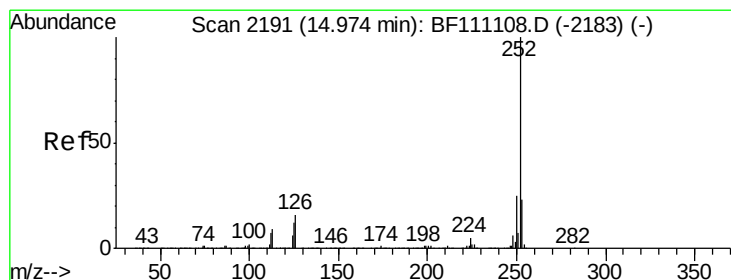
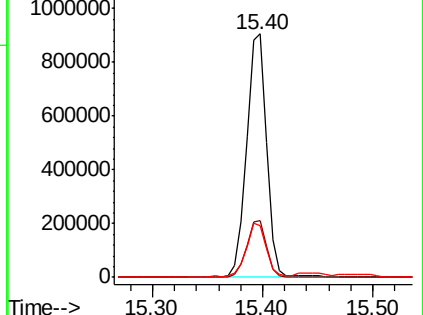
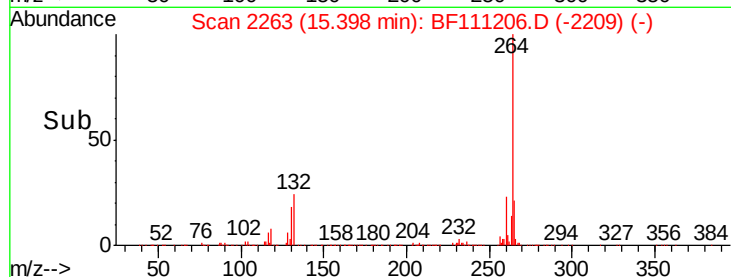
265 21.0 17.4 26.0



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



#88

Benzo(b)fluoranthene

Concen: 29.357 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111206.D

Acq: 8 Dec 2018 00:40

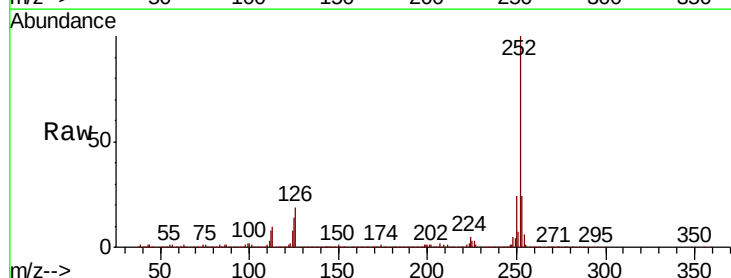
Tgt Ion:252 Resp: 1924378

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

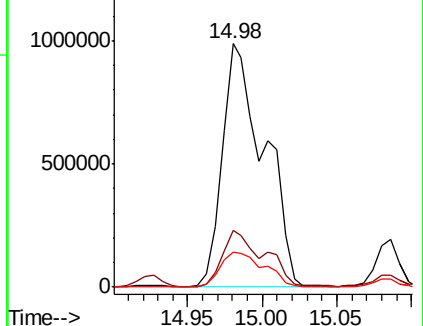
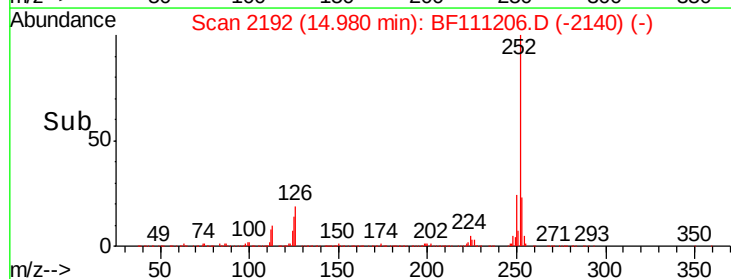
125 14.4 9.9 14.9

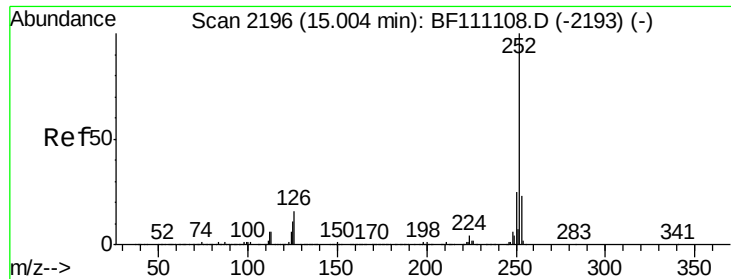


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

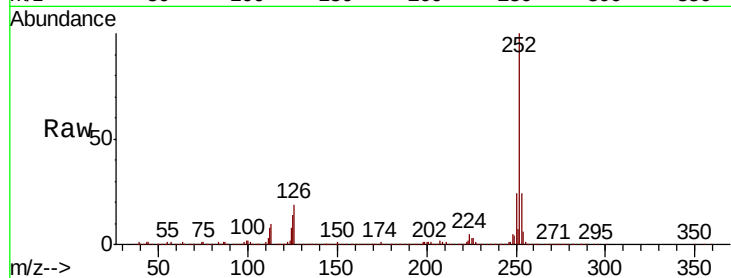




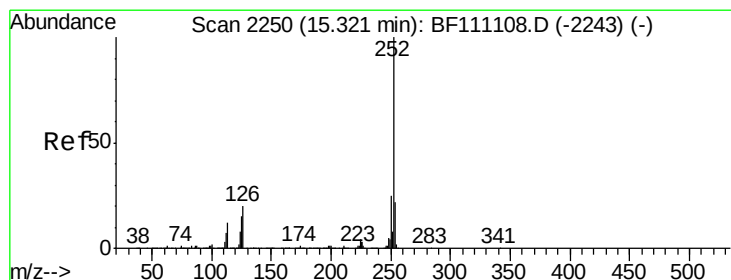
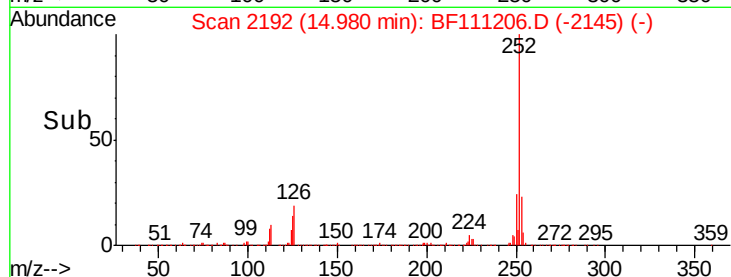
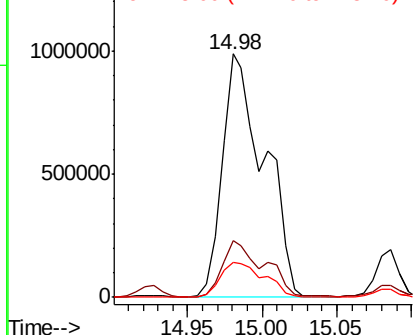
#89
Benzo(k)fluoranthene
Concen: 30.368 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Instrument :
BNA_F
ClientSampled :
SB-10(0-2)DL

Tgt Ion:252 Resp: 1924378
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.4
125 14.4 9.9 14.9

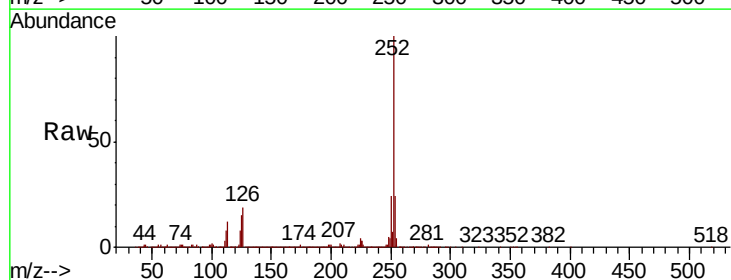


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

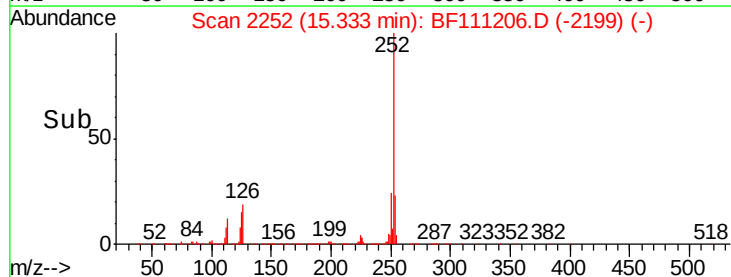
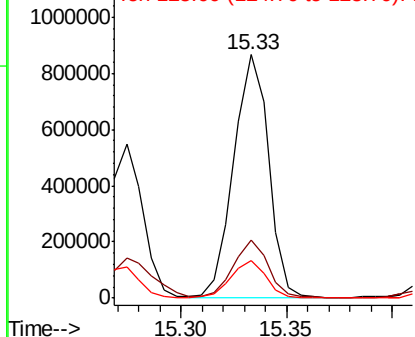


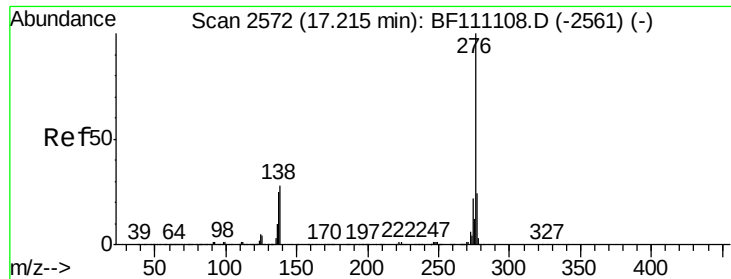
#90
Benzo(a)pyrene
Concen: 16.461 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111206.D
Acq: 8 Dec 2018 00:40

Tgt Ion:252 Resp: 989718
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 15.4 12.4 18.6



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





#92

Benzo(g,h,i)perylene

Concen: 8.431 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BF111206.D

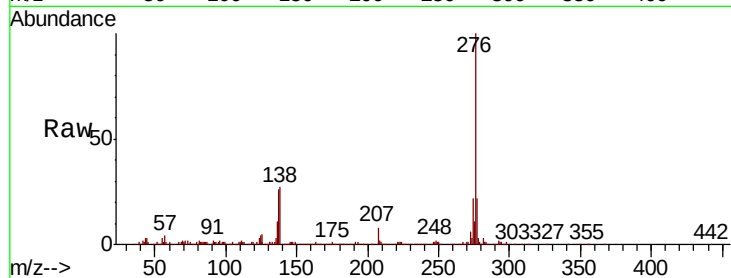
Acq: 8 Dec 2018 00:40

Instrument :

BNA_F

ClientSampleId :

SB-10(0-2)DL



Tgt Ion: 276 Resp: 427508

Ion Ratio Lower Upper

276 100

277 22.4 19.3 28.9

138 27.3 22.3 33.5

