

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122018\
 Data File : BF111646.D
 Acq On : 20 Dec 2018 18:42
 Operator : JU/SJ
 Sample : J6346-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-10

Quant Time: Dec 21 06:19:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	192429	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	721699	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	349916	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	594265	20.00	ng	0.00
76) Chrysene-d12	14.04	240	438737	20.00	ng	0.00
87) Perylene-d12	15.52	264	444786	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	897791	79.53	ng	0.00
7) Phenol-d6	6.52	99	1168864	81.36	ng	0.00
23) Nitrobenzene-d5	7.45	82	717016	57.83	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	294174	71.15	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1404932	58.52	ng	0.00
79) Terphenyl-d14	13.00	244	1099390	47.52	ng	0.00

Target Compounds

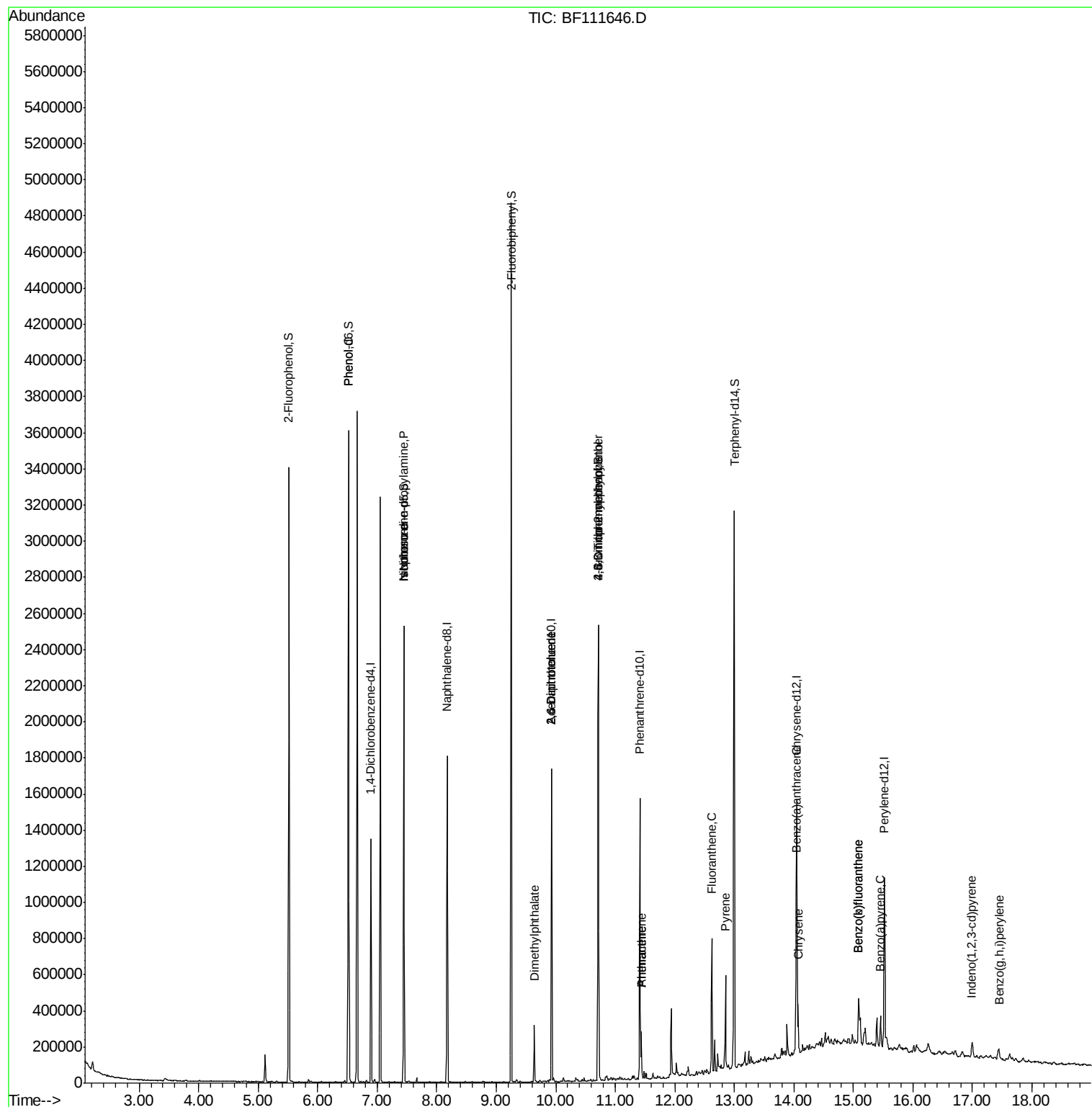
						Qvalue
10) Phenol	6.53	94	80376	4.958	ng	92
19) n-Nitroso-di-n-propylamine	7.45	70	97945	10.265	ng	# 76
25) Isophorone	7.45	82	717005	32.575	ng	# 64
50) Dimethylphthalate	9.64	163	108181	4.228	ng	97
51) 2,6-Dinitrotoluene	9.93	165	45966	9.009	ng	# 29
57) 2,4-Dinitrotoluene	9.93	165	45966	7.496	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.71	198	437	6.846	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	18316	2.485	ng	# 1
71) Phenanthrene	11.43	178	94261	2.991	ng	95
72) Anthracene	11.43	178	94261	2.980	ng	97
75) Fluoranthene	12.62	202	271371	8.503	ng	94
78) Pyrene	12.85	202	200332	6.466	ng	96
81) Benzo(a)anthracene	14.03	228	69227	2.765	ng	97
83) Chrysene	14.07	228	105686	4.295	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	51511	2.462	ng	# 87
88) Benzo(b)fluoranthene	15.09	252	201132	7.737	ng	97
89) Benzo(k)fluoranthene	15.09	252	201132	8.127	ng	97
90) Benzo(a)pyrene	15.46	252	79783	3.378	ng	96
92) Benzo(g,h,i)perylene	17.44	276	49004	2.427	ng	# 88

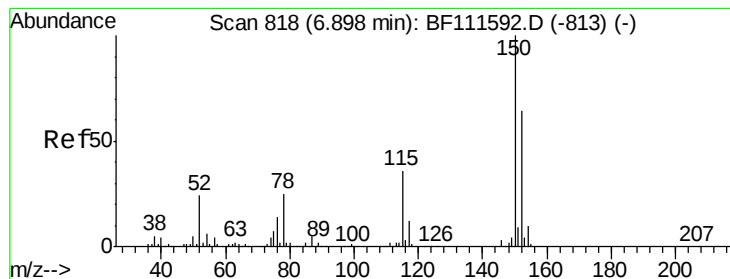
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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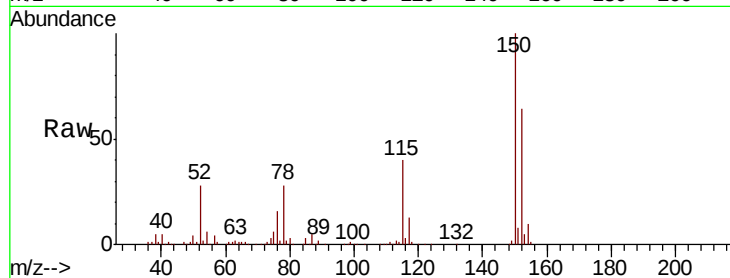


#1

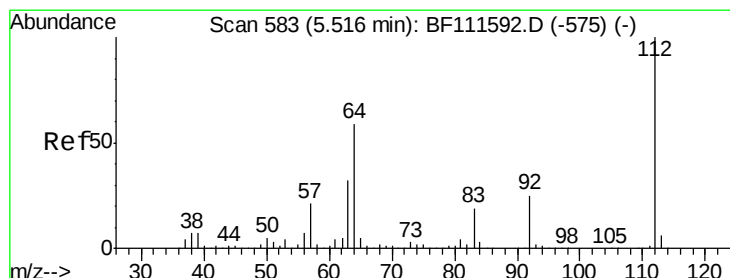
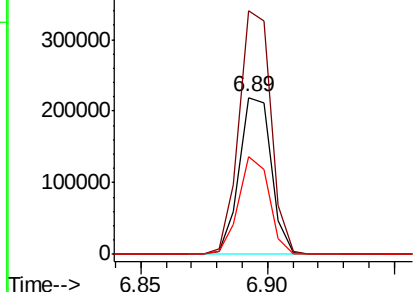
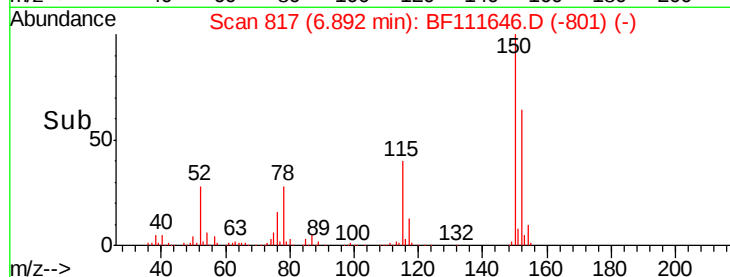
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Instrument :
BNA_F
ClientSampleId :
DW-10

Tgt Ion:152 Resp: 192429
Ion Ratio Lower Upper
152 100
150 155.5 126.6 189.8
115 62.2 50.7 76.1



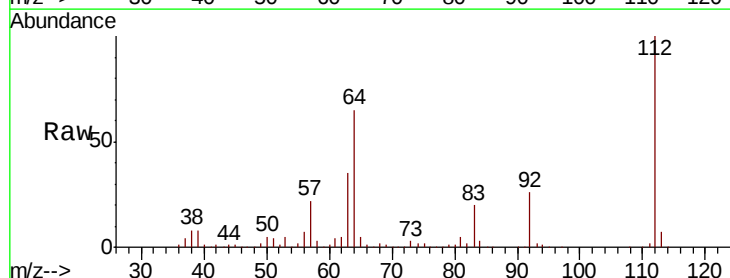
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



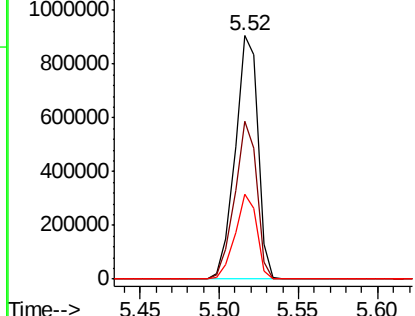
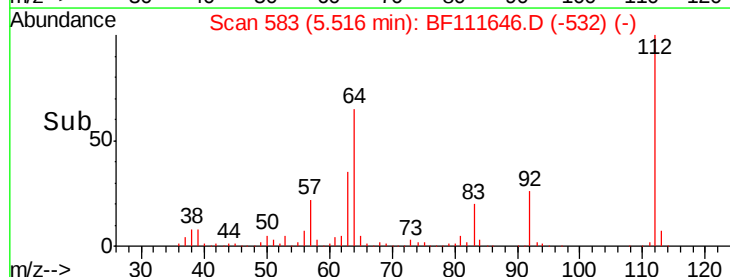
#5

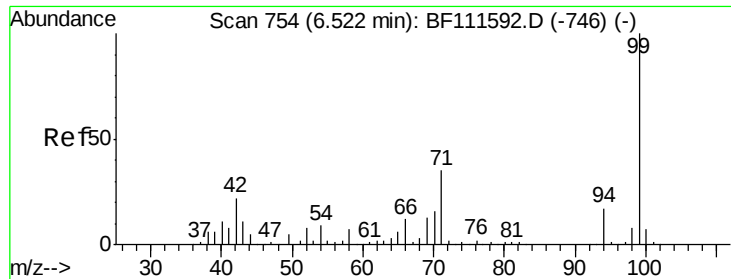
2-Fluorophenol
Concen: 79.526 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Tgt Ion:112 Resp: 897791
Ion Ratio Lower Upper
112 100
64 64.6 51.8 77.6
63 34.8 26.8 40.2



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: 81.356 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111646.D

Acq: 20 Dec 2018 18:42

Instrument :

BNA_F

ClientSampleId :

DW-10

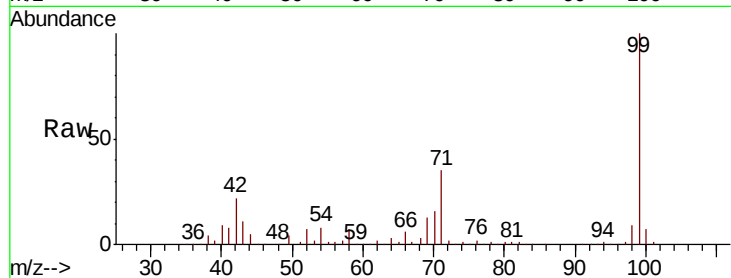
Tgt Ion: 99 Resp: 1168864

Ion Ratio Lower Upper

99 100

42 21.7 17.4 26.0

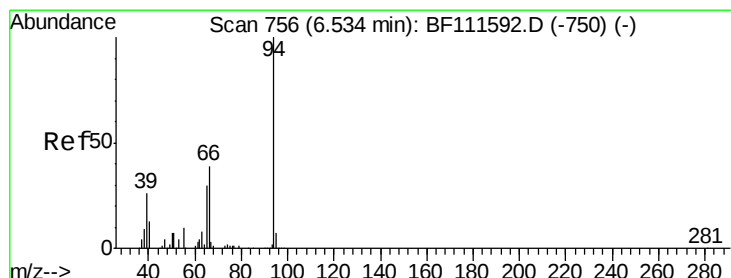
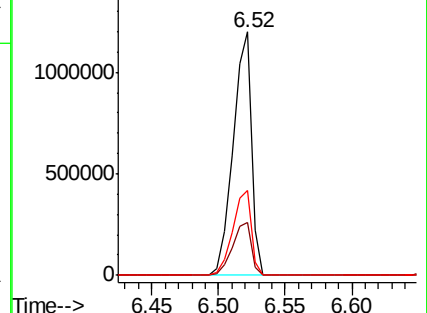
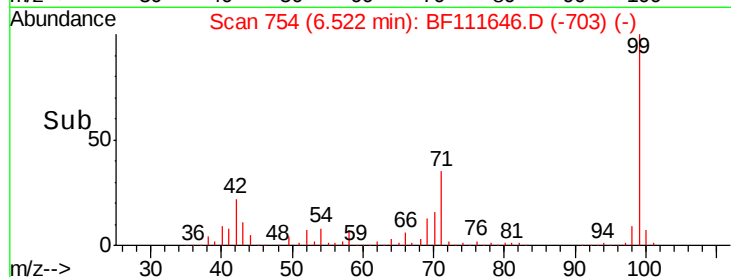
71 34.9 26.1 39.1



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



#10

Phenol

Concen: 4.958 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111646.D

Acq: 20 Dec 2018 18:42

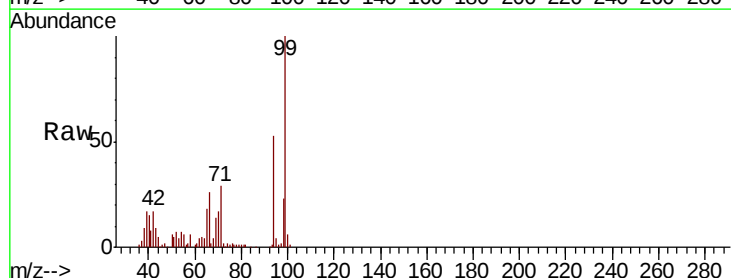
Tgt Ion: 94 Resp: 80376

Ion Ratio Lower Upper

94 100

65 33.1 11.7 51.7

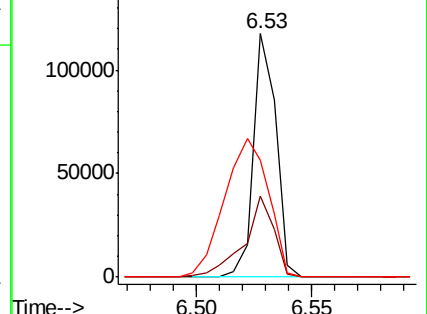
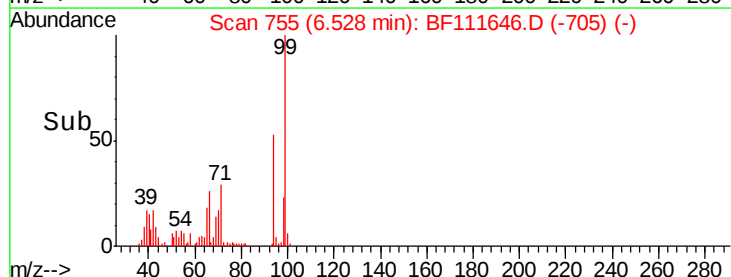
66 48.2 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

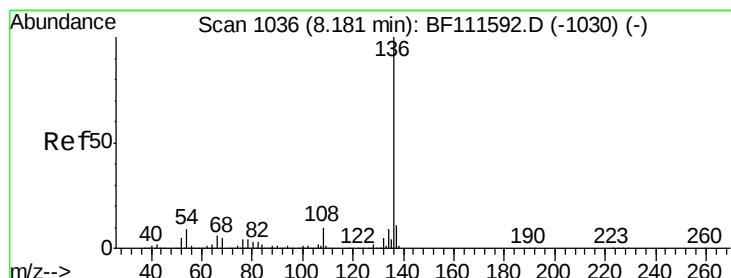
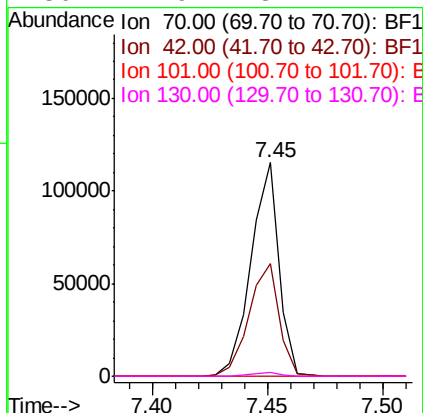
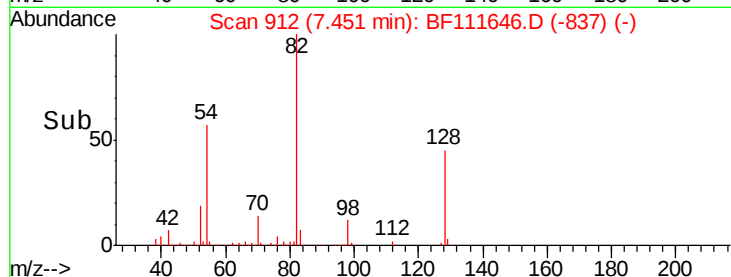
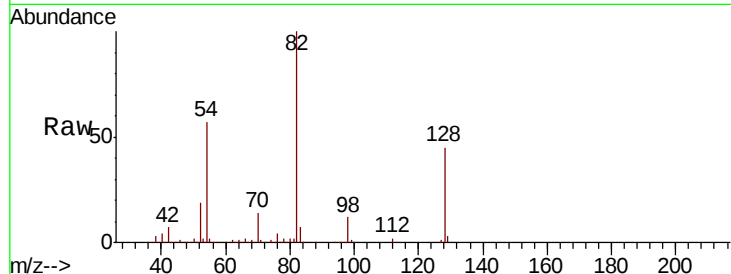




#19
n-Nitroso-di-n-propylamine
Concen: 10.265 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

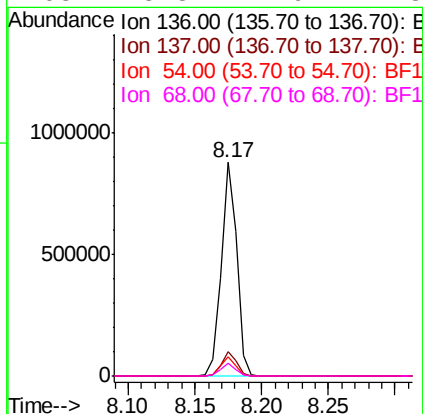
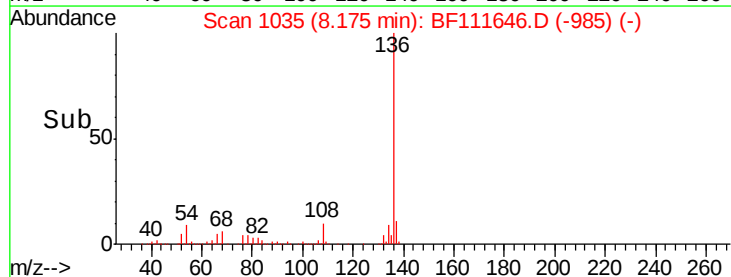
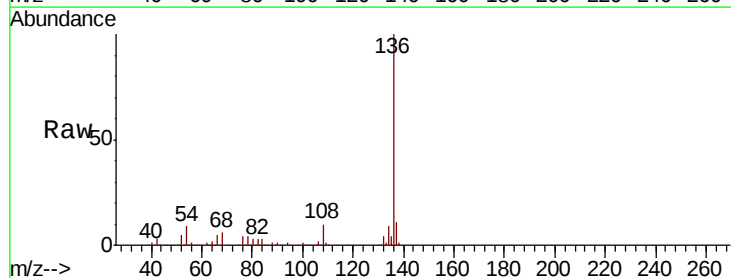
Instrument :
BNA_F
ClientSampleId :
DW-10

Tgt Ion: 70 Resp: 97945
Ion Ratio Lower Upper
70 100
42 52.8 53.2 79.8#
101 0.0 8.2 12.4#
130 1.9 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Tgt Ion: 136 Resp: 721699
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 9.3 7.7 11.5
68 5.8 4.9 7.3

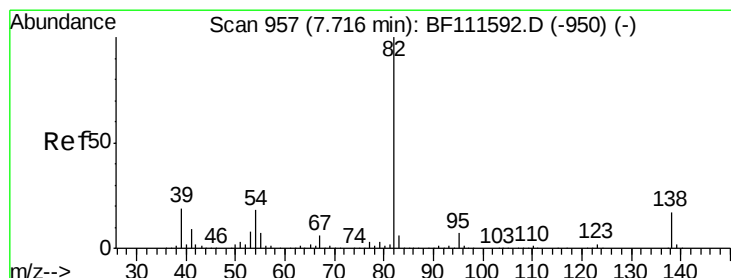
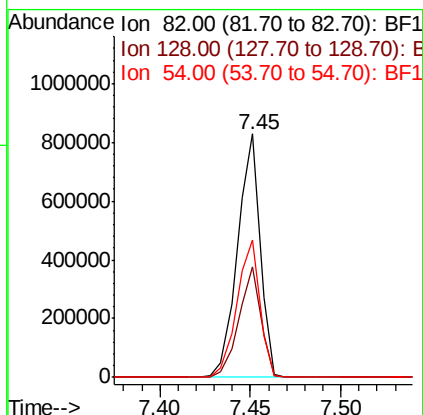
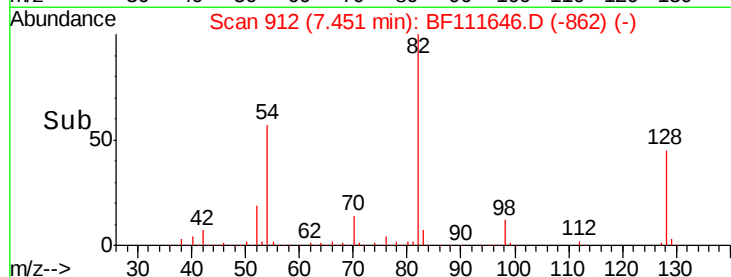
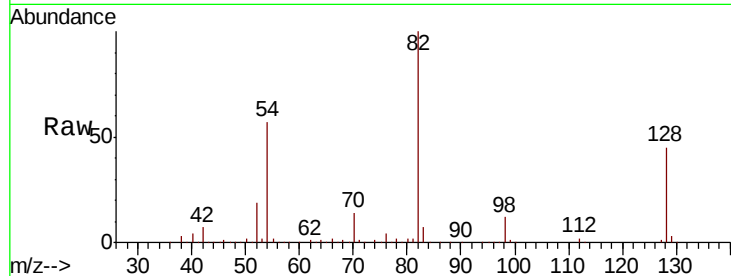




#23
Nitrobenzene-d5
Concen: 57.830 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

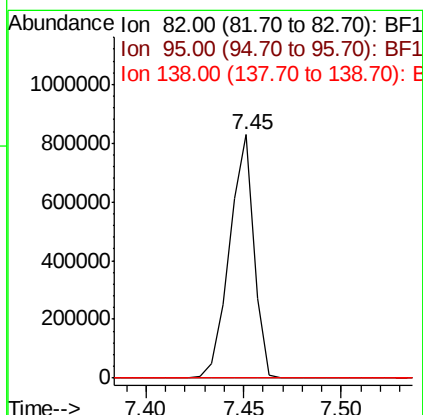
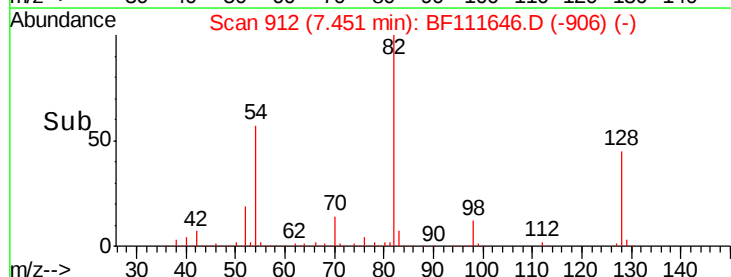
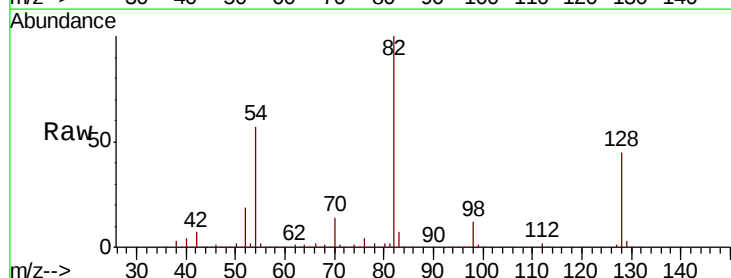
Instrument :
BNA_F
ClientSampleId :
DW-10

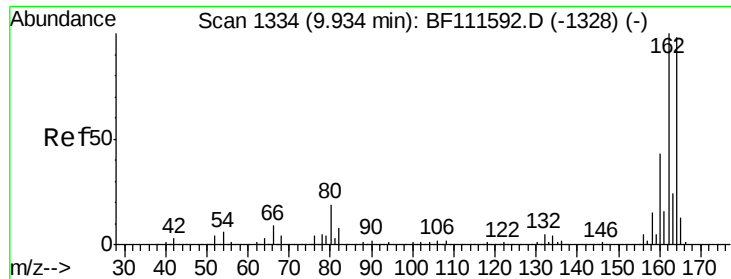
Tgt Ion: 82 Resp: 717016
Ion Ratio Lower Upper
82 100
128 45.2 37.4 56.2
54 56.5 47.6 71.4



#25
Isophorone
Concen: 32.575 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Tgt Ion: 82 Resp: 717005
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111646.D

Acq: 20 Dec 2018 18:42

Instrument :

BNA_F

ClientSampleId :

DW-10

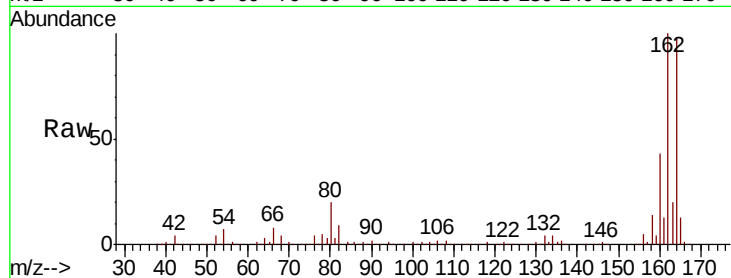
Tgt Ion:164 Resp: 349916

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.0

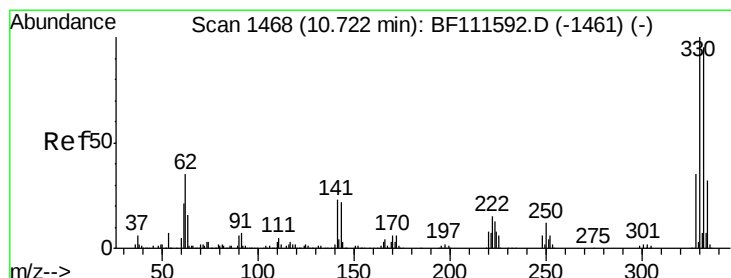
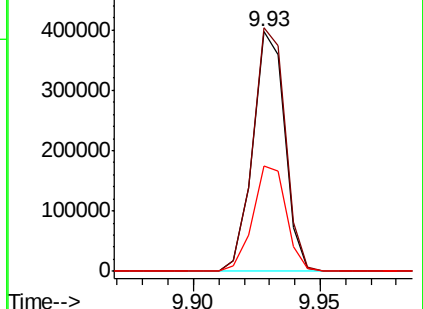
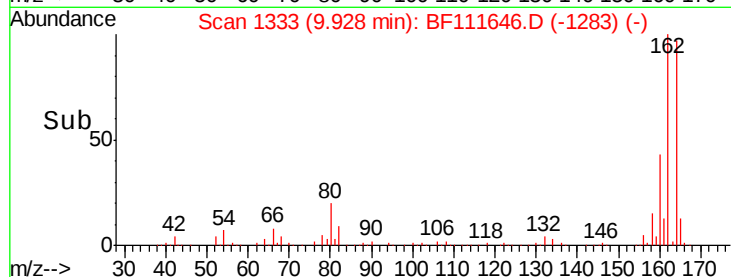
160 43.8 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 71.151 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111646.D

Acq: 20 Dec 2018 18:42

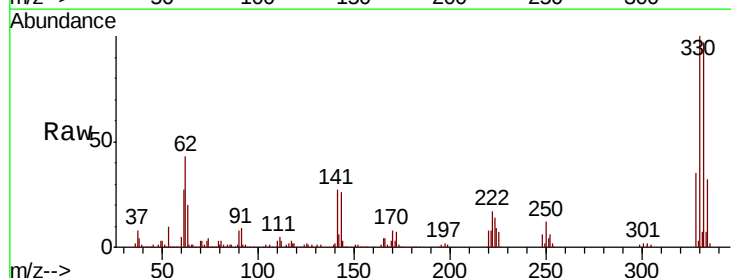
Tgt Ion:330 Resp: 294174

Ion Ratio Lower Upper

330 100

332 97.2 76.0 114.0

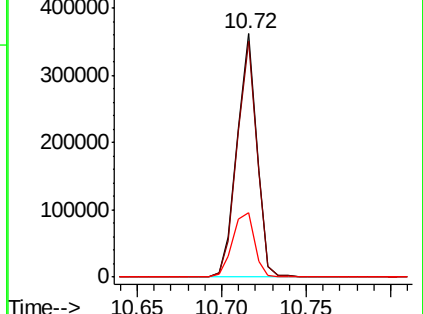
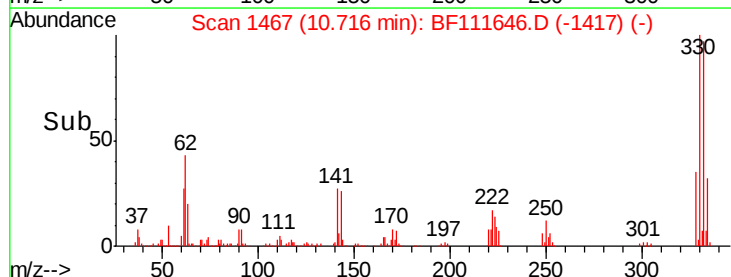
141 29.4 31.0 46.6#

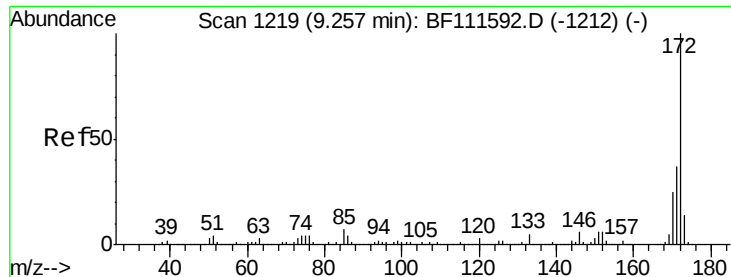


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

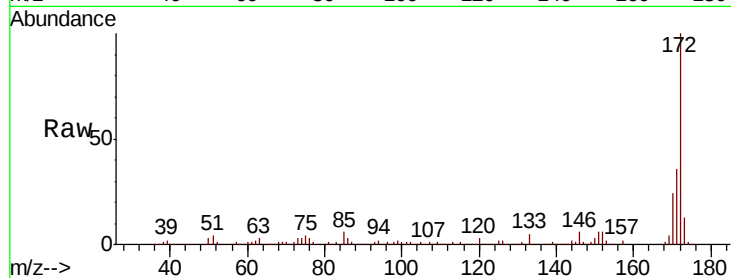




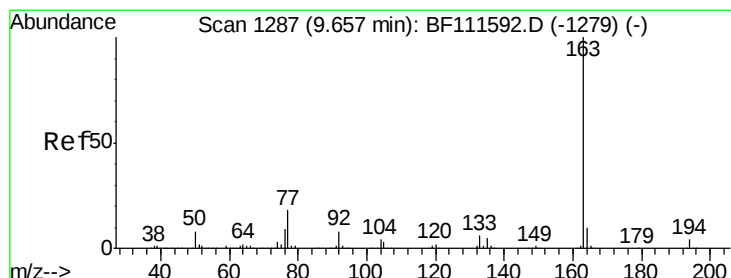
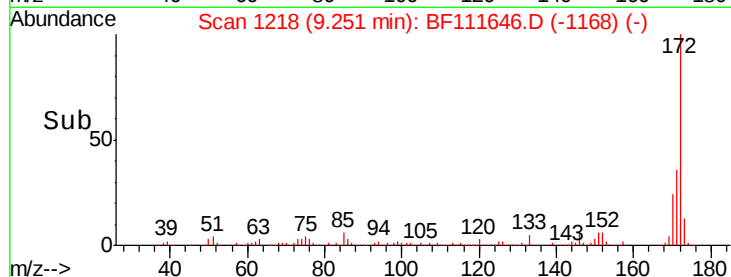
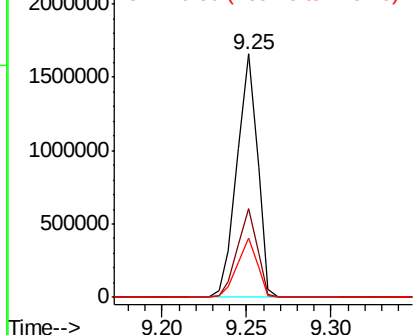
#45
2-Fluorobiphenyl
Concen: 58.522 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Instrument :
BNA_F
ClientSampleId :
DW-10

Tgt Ion:172 Resp: 1404932
Ion Ratio Lower Upper
172 100
171 36.3 33.0 49.4
170 24.2 22.3 33.5

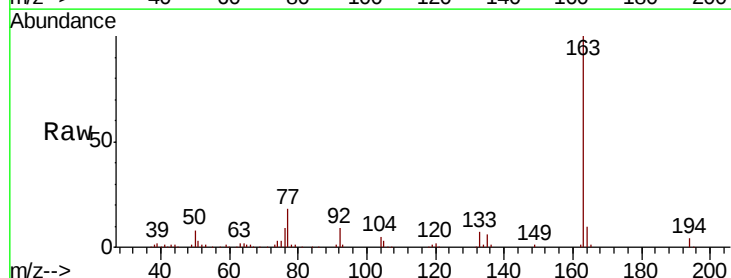


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

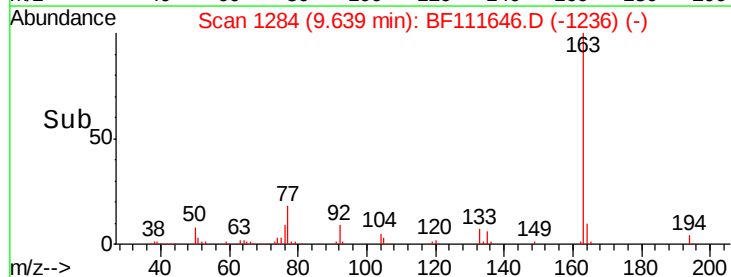
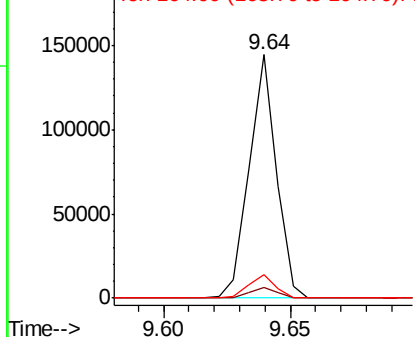


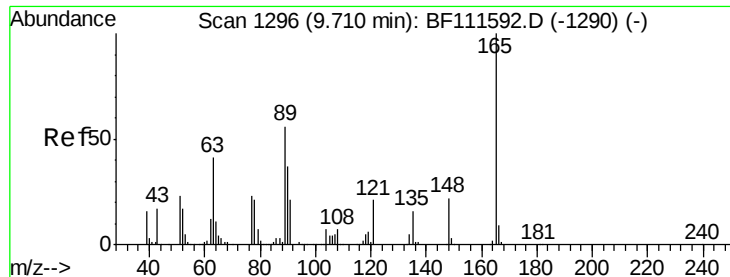
#50
Dimethylphthalate
Concen: 4.228 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Tgt Ion:163 Resp: 108181
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.5 8.9 13.3



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

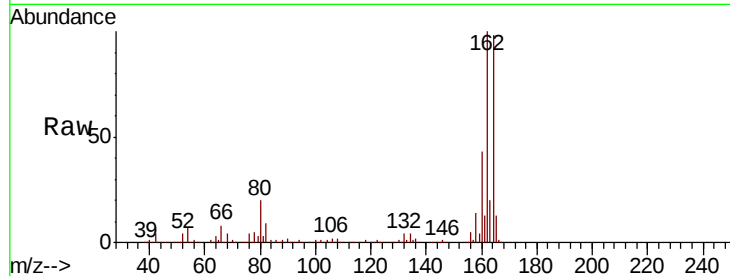




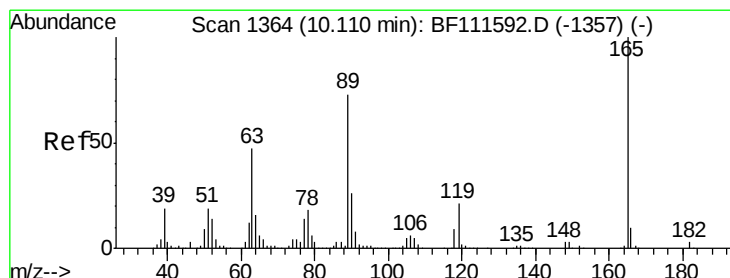
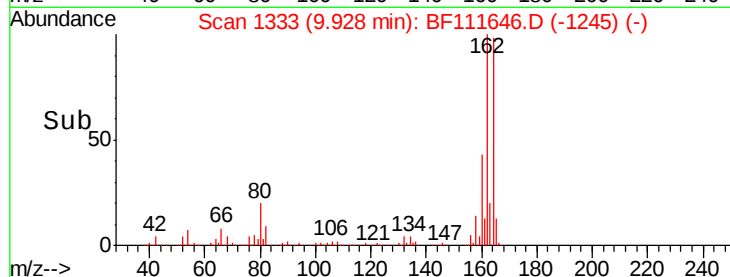
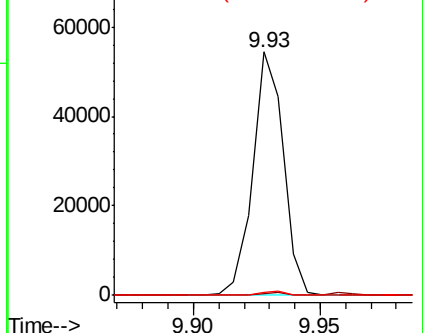
#51
 2,6-Dinitrotoluene
 Concen: 9.009 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Instrument :
 BNA_F
 ClientSampleId :
 DW-10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.5	60.7#
89	1.3	40.0	60.0#



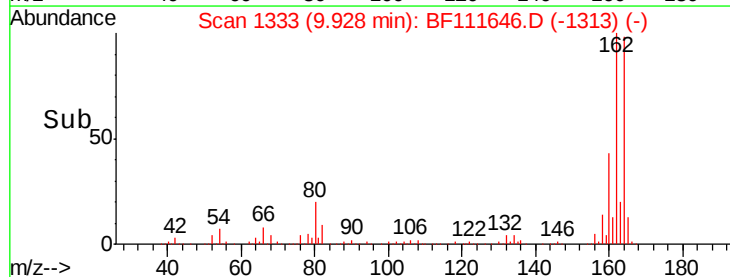
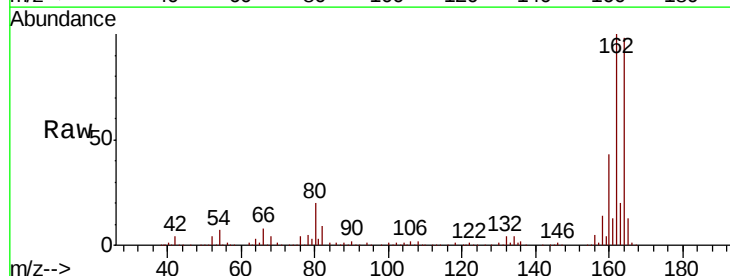
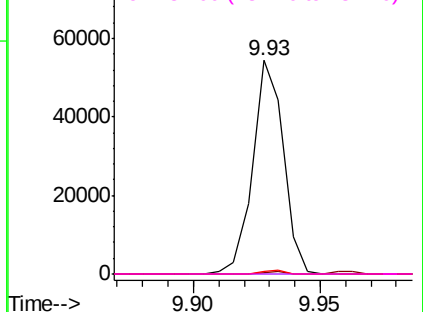
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

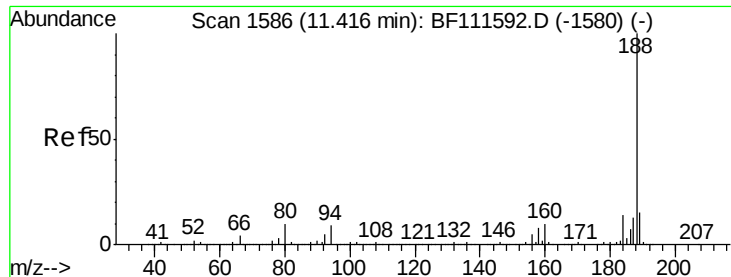


#57
 2,4-Dinitrotoluene
 Concen: 7.496 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	34.6	52.0#
89	1.3	56.2	84.4#
182	0.0	1.8	2.6#

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

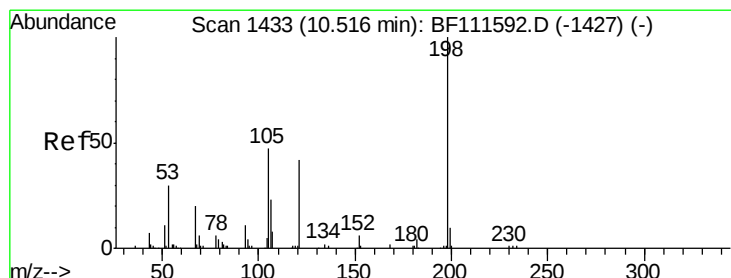
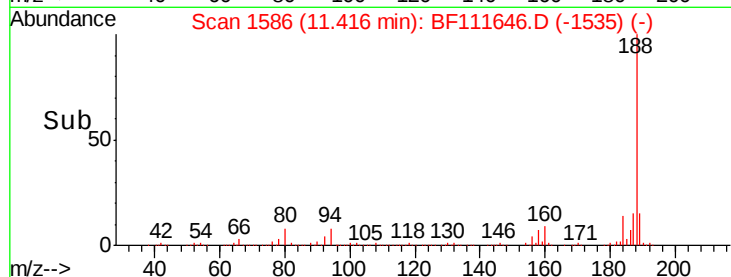
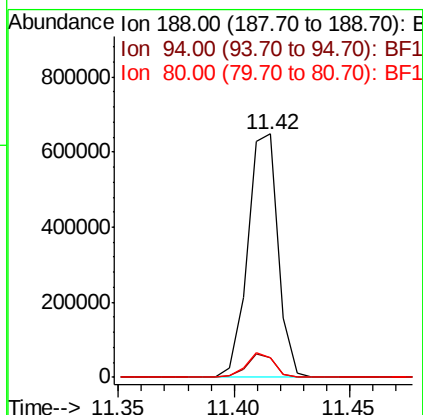
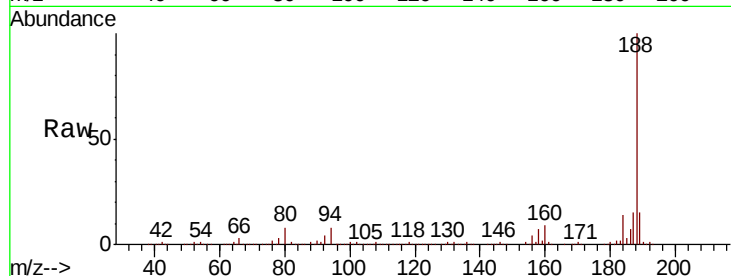




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

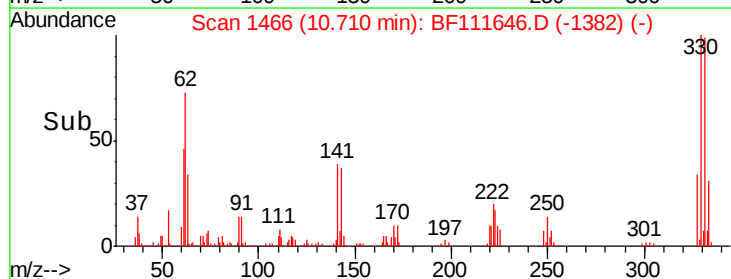
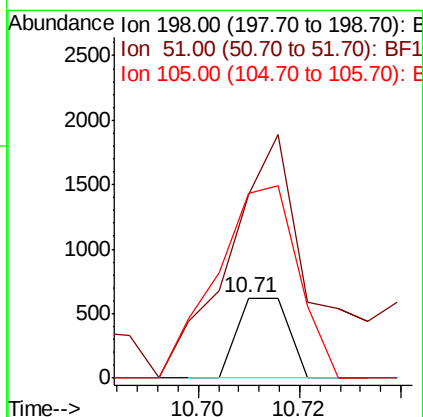
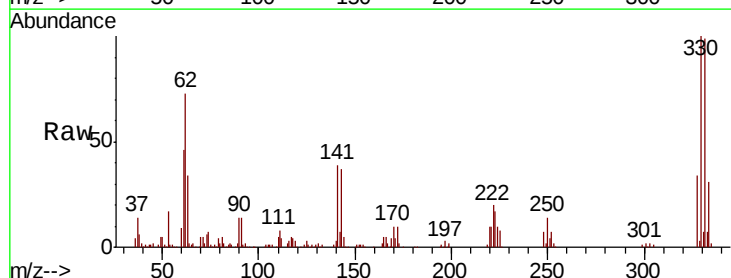
Instrument :
BNA_F
ClientSampleId :
DW-10

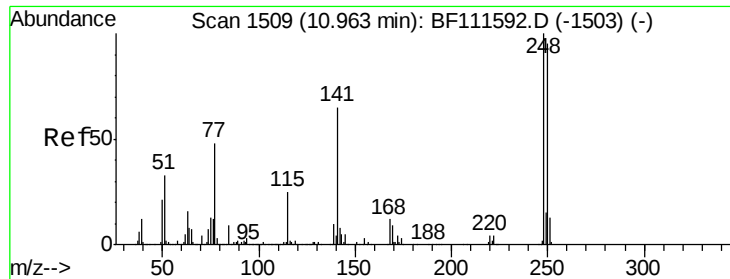
Tgt Ion:188 Resp: 594265
Ion Ratio Lower Upper
188 100
94 8.1 9.6 14.4#
80 8.0 9.8 14.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 6.846 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Tgt Ion:198 Resp: 437
Ion Ratio Lower Upper
198 100
51 228.5 48.0 88.0#
105 230.7 34.0 74.0#

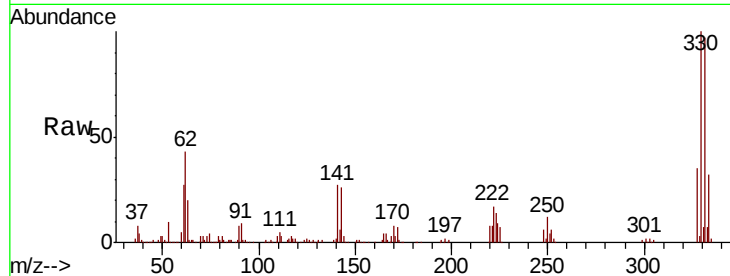




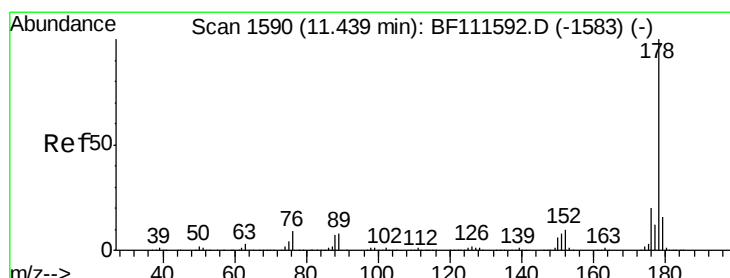
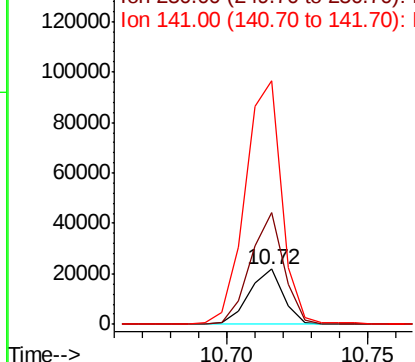
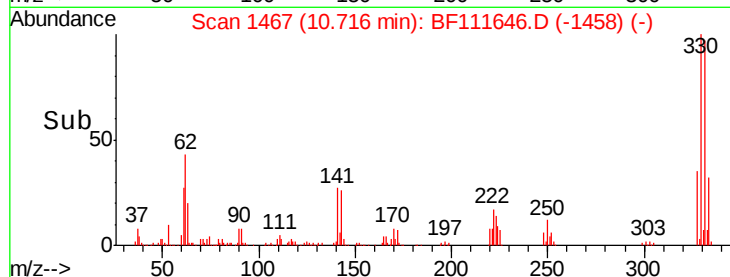
#67
 4-Bromophenyl-phenylether
 Concen: 2.485 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Instrument :
 BNA_F
 ClientSampleId :
 DW-10

Tgt Ion: 248 Resp: 18316
 Ion Ratio Lower Upper
 248 100
 250 201.1 77.0 115.4#
 141 440.4 63.0 94.6#

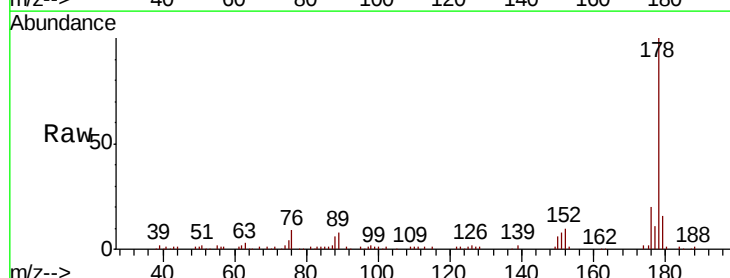


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

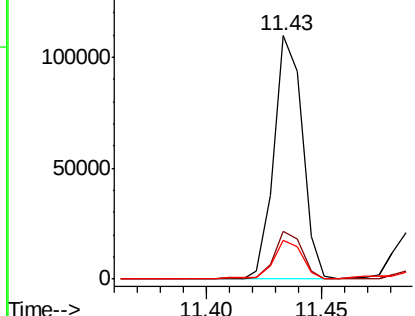
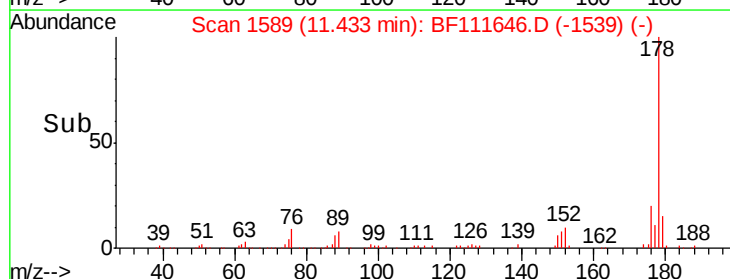


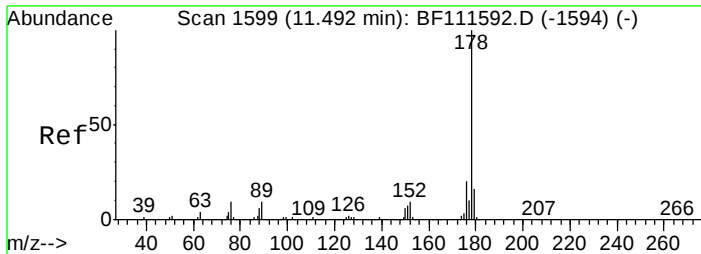
#71
 Phenanthrene
 Concen: 2.991 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Tgt Ion: 178 Resp: 94261
 Ion Ratio Lower Upper
 178 100
 176 19.8 18.1 27.1
 179 15.9 14.0 21.0



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

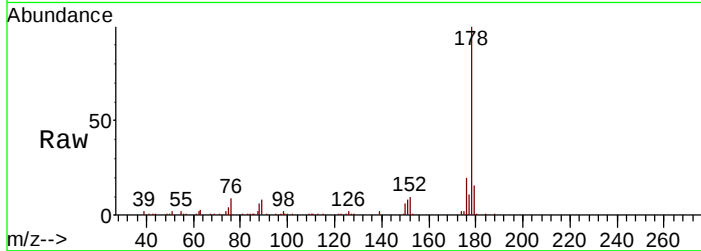




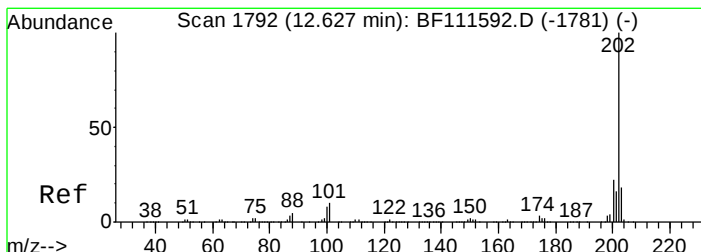
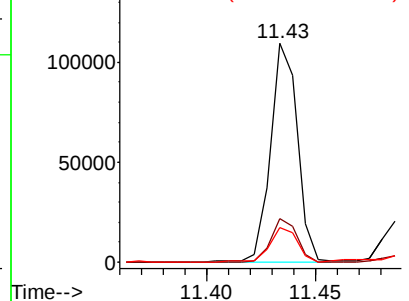
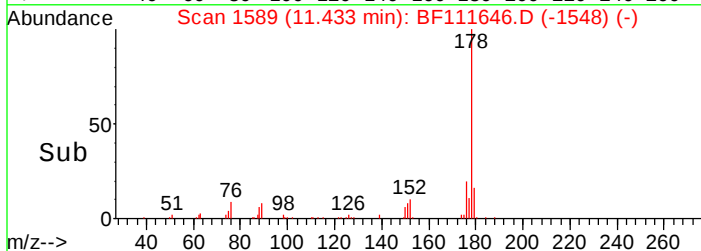
#72
 Anthracene
 Concen: 2.980 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.06 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Instrument :
 BNA_F
 ClientSampleId :
 DW-10

Tgt Ion:178 Resp: 94261
 Ion Ratio Lower Upper
 178 100
 176 19.8 17.2 25.8
 179 15.9 13.8 20.8

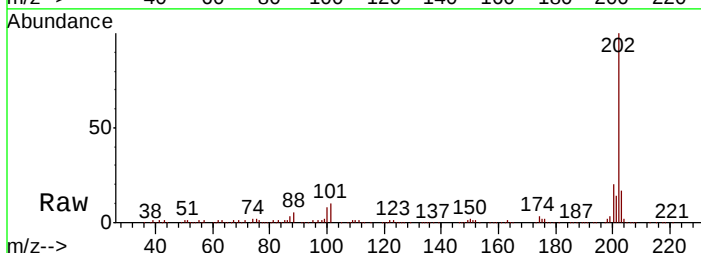


Abundance Ion 178.00 (177.70 to 178.70):
 Ion 176.00 (175.70 to 176.70):
 Ion 179.00 (178.70 to 179.70):

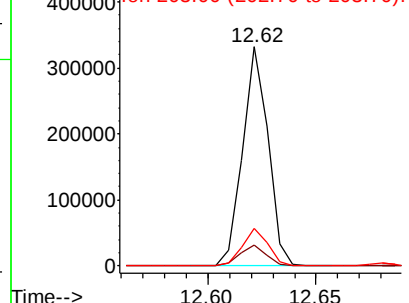
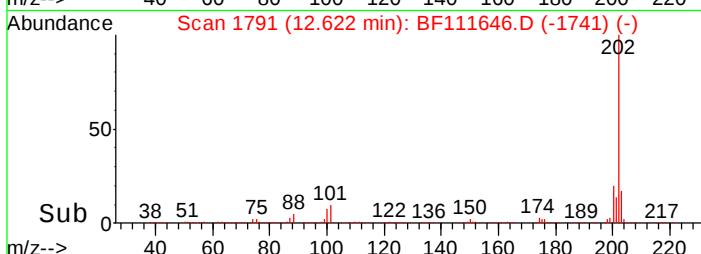


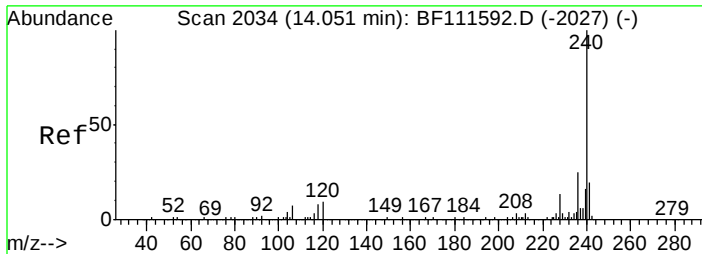
#75
 Fluoranthene
 Concen: 8.503 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Tgt Ion:202 Resp: 271371
 Ion Ratio Lower Upper
 202 100



Abundance Ion 202.00 (201.70 to 202.30):
 Ion 200.00 (199.70 to 200.30):
 Ion 203.00 (202.70 to 203.70):

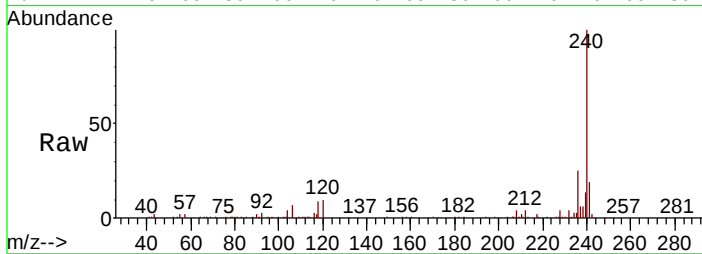




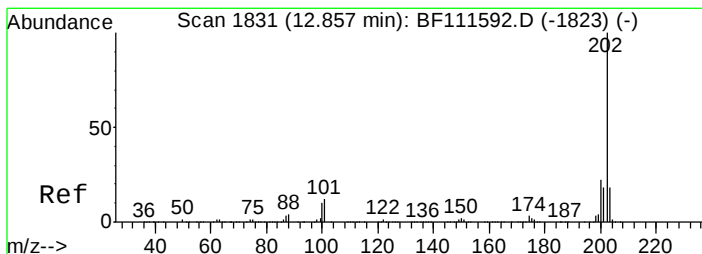
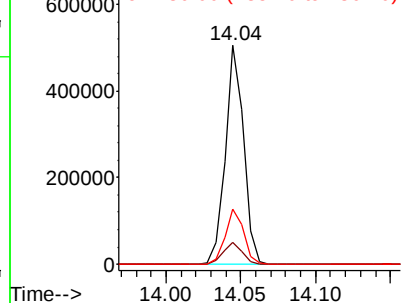
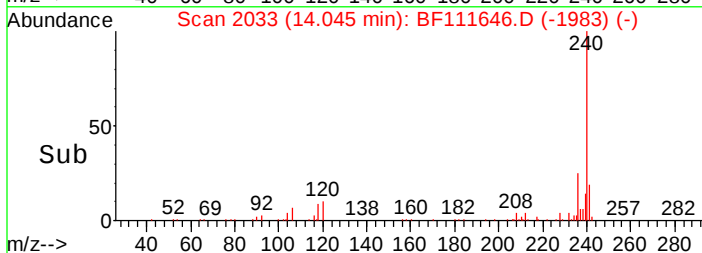
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Instrument :
BNA_F
ClientSampleId :
DW-10

Tgt Ion:240 Resp: 438737
Ion Ratio Lower Upper
240 100
120 9.9 12.2 18.2#
236 25.2 20.2 30.2

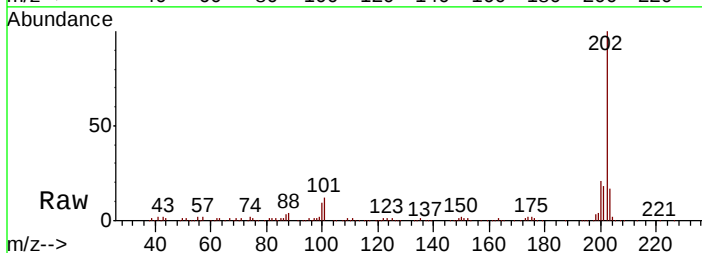


Abundance Ion 240.00 (239.70 to 240.70):
Ion 120.00 (119.70 to 120.70):
Ion 236.00 (235.70 to 236.70):

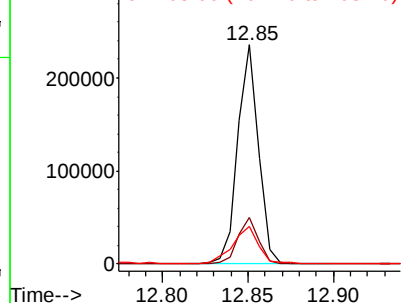
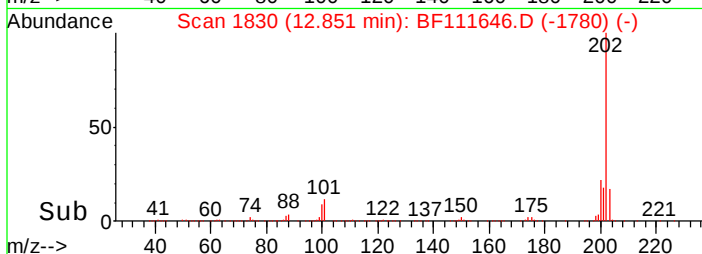


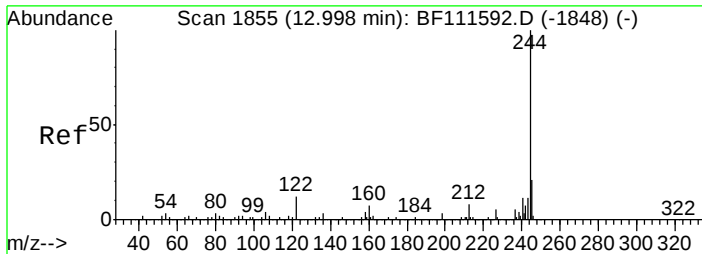
#78
Pyrene
Concen: 6.466 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Tgt Ion:202 Resp: 200332
Ion Ratio Lower Upper
202 100
200 21.2 19.0 23.4
203 17.2 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70):
Ion 200.00 (199.70 to 200.70):
Ion 203.00 (202.70 to 203.70):

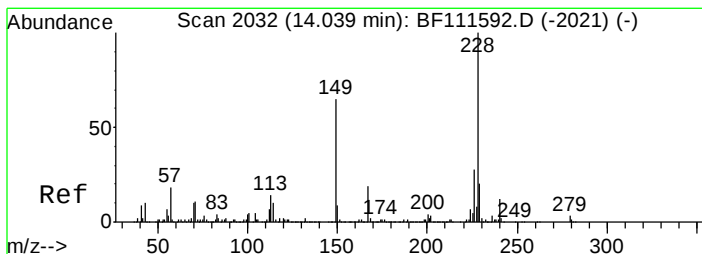
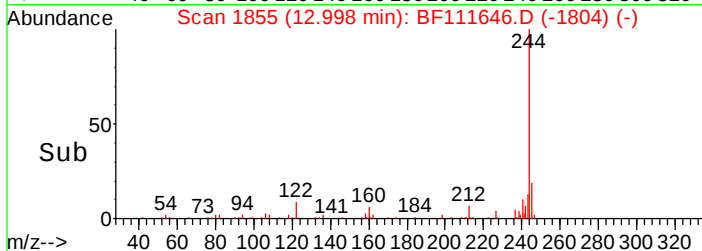
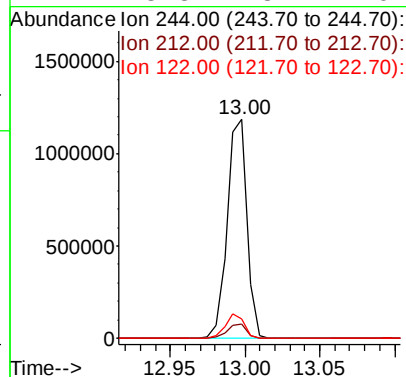
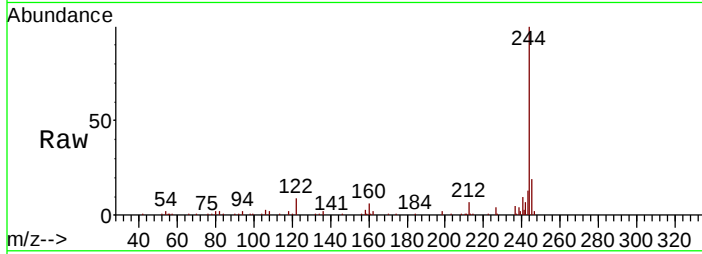




#79
 Terphenyl-d14
 Concen: 47.521 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

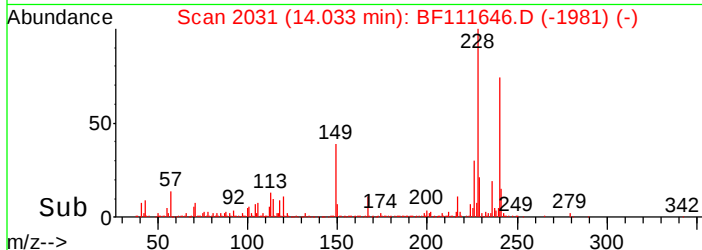
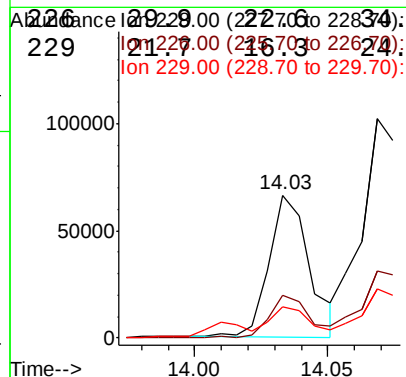
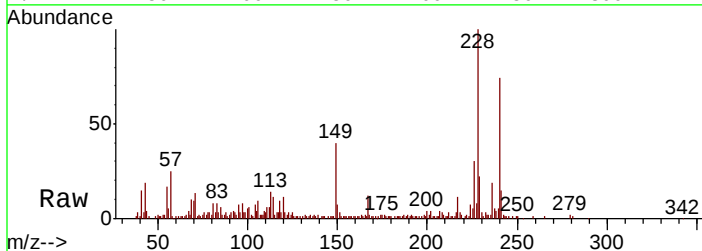
Instrument :
 BNA_F
 ClientSampleID :
 DW-10

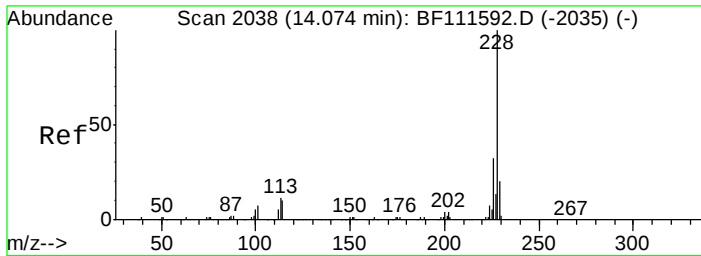
Tgt Ion:244 Resp: 1099390
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 8.8 13.1 19.7#



#81
 Benzo(a)anthracene
 Concen: 2.765 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Tgt Ion:228 Resp: 69227
 Ion Ratio Lower Upper
 228 100
 226 20.2 22.6 34.0
 229 21.7 16.3 24.5





#83

Chrysene

Concen: 4.295 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF111646.D

Acq: 20 Dec 2018 18:42

Instrument :

BNA_F

ClientSampleId :

DW-10

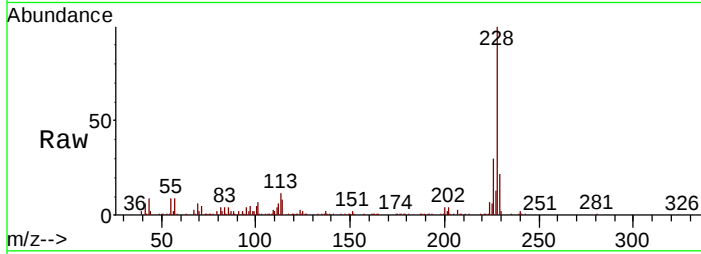
Tgt Ion:228 Resp: 105686

Ion Ratio Lower Upper

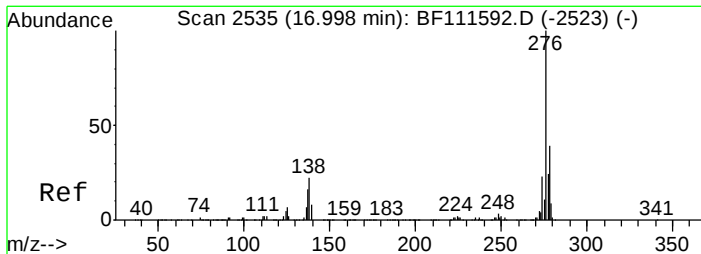
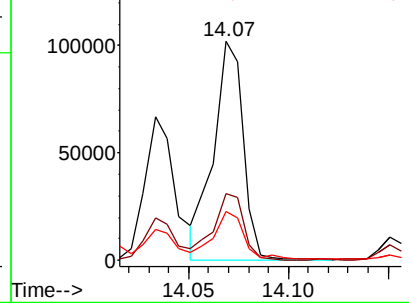
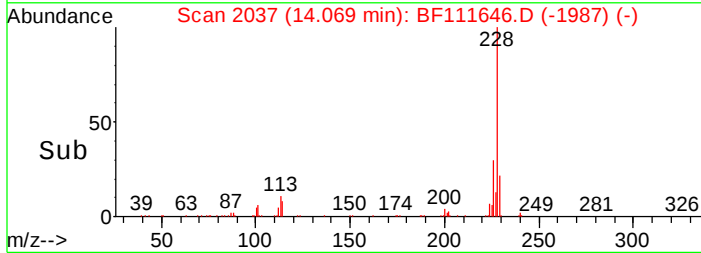
228 100

226 30.3 25.3 37.9

229 22.3 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70):
Ion 226.00 (225.70 to 226.70):
Ion 229.00 (228.70 to 229.70):



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.462 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BF111646.D

Acq: 20 Dec 2018 18:42

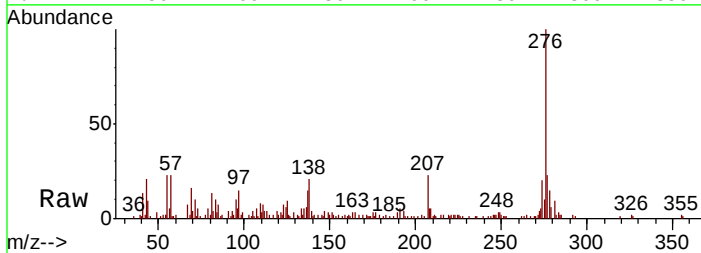
Tgt Ion:276 Resp: 51511

Ion Ratio Lower Upper

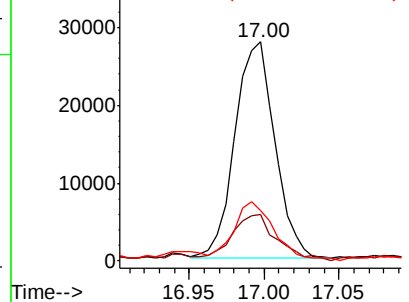
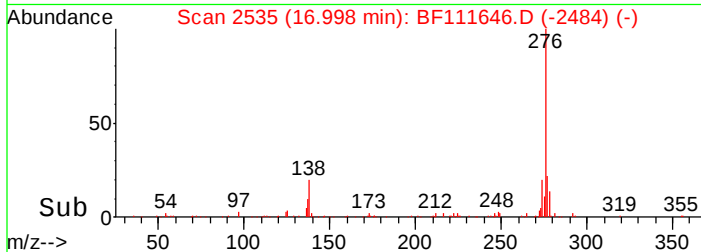
276 100

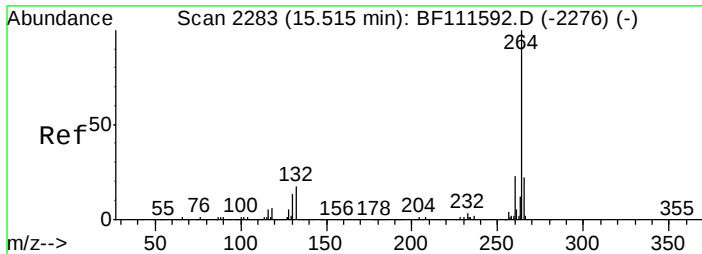
138 24.4 20.1 28.6

277 28.6 26.1 30.1



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

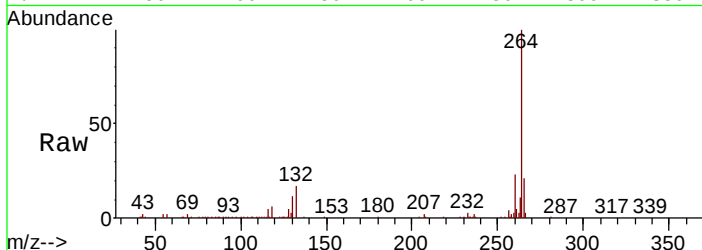




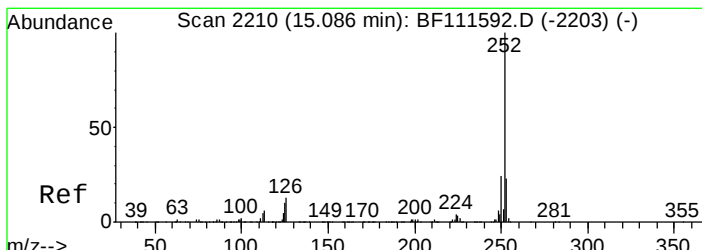
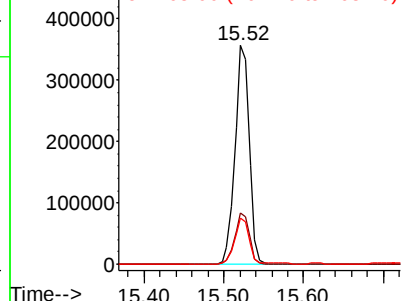
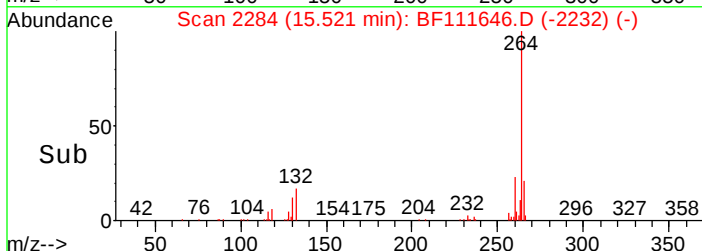
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. 0.01 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Instrument :
 BNA_F
 ClientSampleId :
 DW-10

Tgt Ion:264 Resp: 444786
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.3 27.5
 265 21.2 17.7 26.5

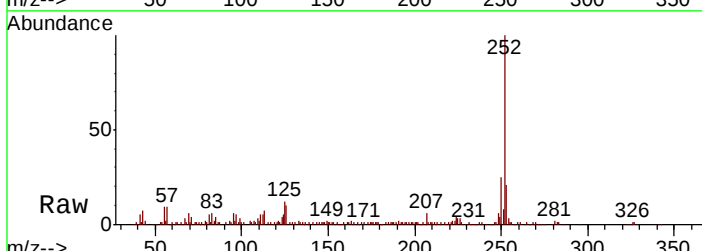


Abundance Ion 264.00 (263.70 to 264.70):
 Ion 260.00 (259.70 to 260.70):
 Ion 265.00 (264.70 to 265.70):

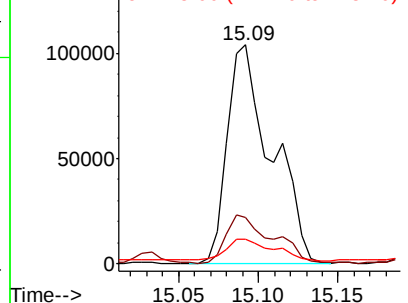
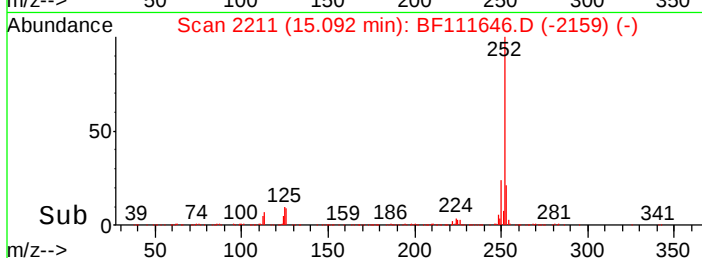


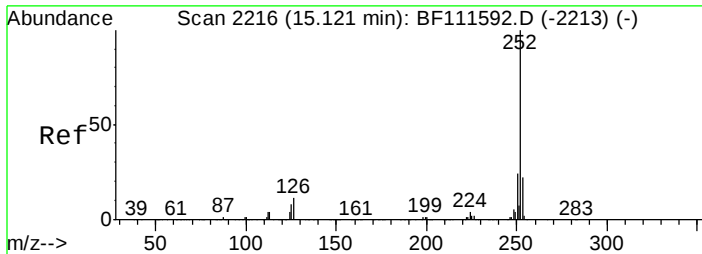
#88
 Benzo(b)fluoranthene
 Concen: 7.737 ng
 RT: 15.09 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: BF111646.D
 Acq: 20 Dec 2018 18:42

Tgt Ion:252 Resp: 201132
 Ion Ratio Lower Upper
 252 100
 253 21.2 18.2 27.2
 125 11.6 10.4 19.6



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

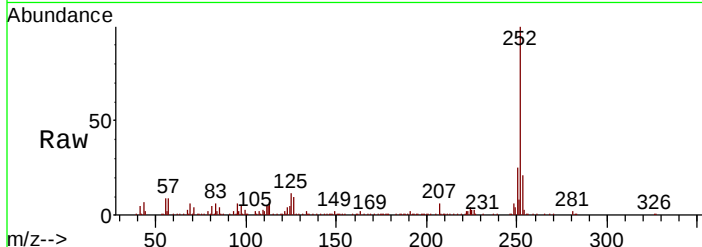




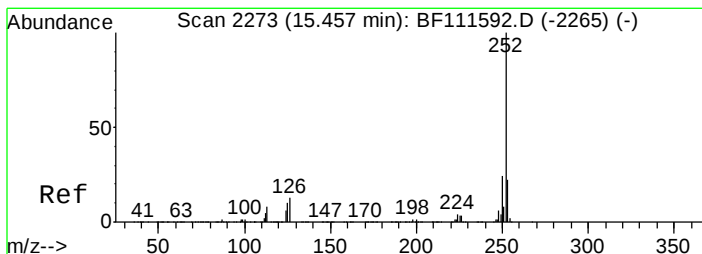
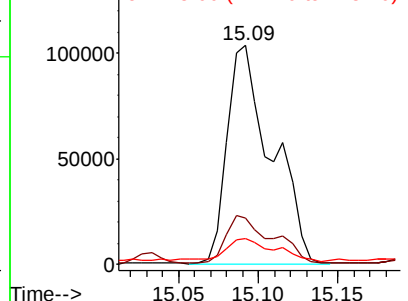
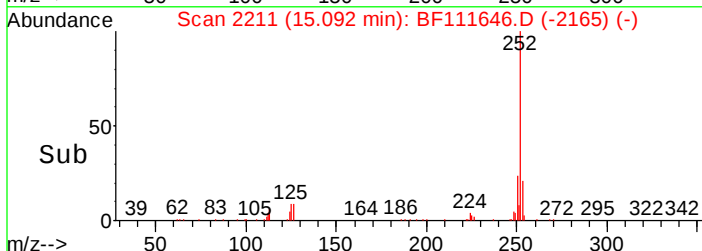
#89
Benzo(k)fluoranthene
Concen: 8.127 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Instrument :
BNA_F
ClientSampleId :
DW-10

Tgt Ion:252 Resp: 201132
Ion Ratio Lower Upper
252 100
253 21.2 18.1 27.1
125 11.6 9.8 14.8

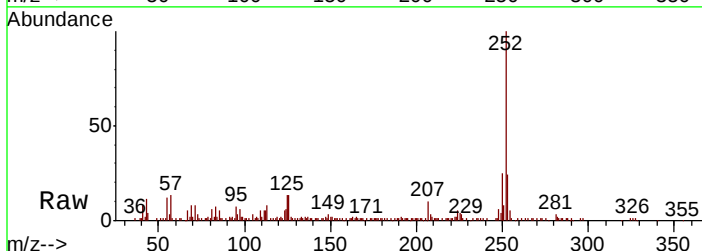


Abundance Ion 252.00 (251.70 to 252.70):
Ion 253.00 (252.70 to 253.70):
Ion 125.00 (124.70 to 125.70):

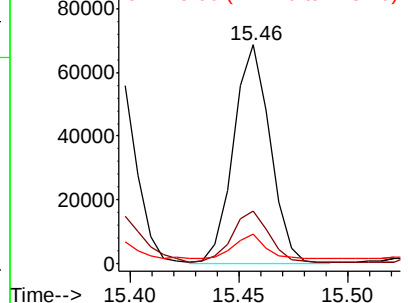
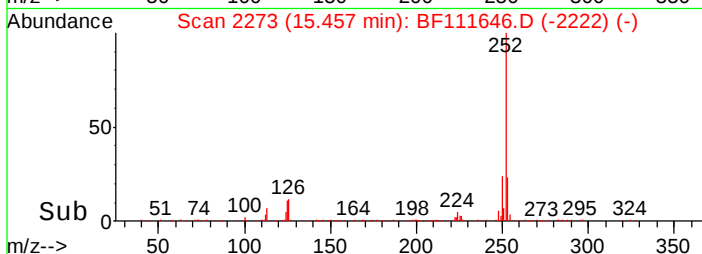


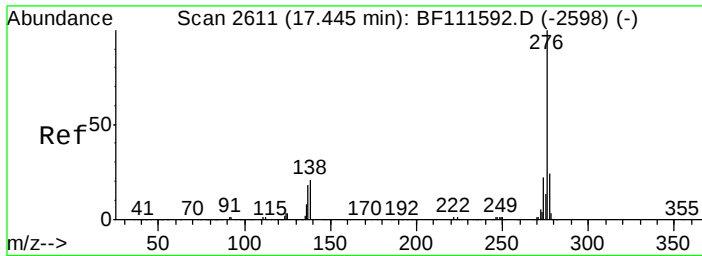
#90
Benzo(a)pyrene
Concen: 3.378 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF111646.D
Acq: 20 Dec 2018 18:42

Tgt Ion:252 Resp: 79783
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.8
125 13.4 12.3 18.5



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





#92

Benzo(g,h,i)perylene

Concen: 2.427 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BF111646.D

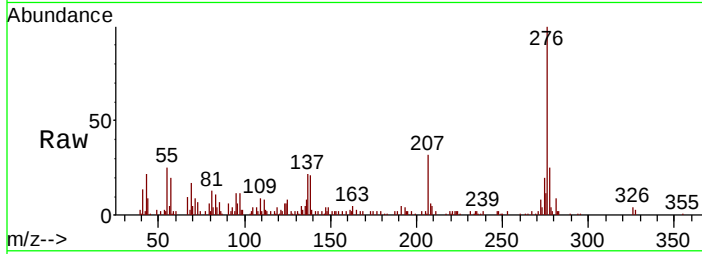
Acq: 20 Dec 2018 18:42

Instrument :

BNA_F

ClientSampleId :

DW-10



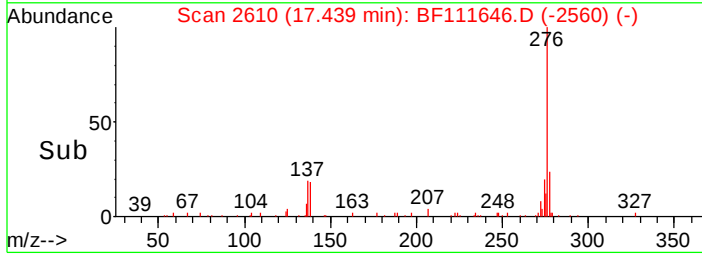
Tgt Ion: 276 Resp: 49004

Ion Ratio Lower Upper

276 100

277 25.3 19.2 28.8

138 20.6 24.9 37.3#



Abundance Ion 276.00 (275.70 to 276.70):

Ion 277.00 (276.70 to 277.70):

Ion 138.00 (137.70 to 138.70):

