

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111424.D
 Acq On : 14 Dec 2018 17:44
 Operator : JU/SJ
 Sample : J6319-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 18:11:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	173377	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	695072	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	307316	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	436803	20.00	ng	0.00
76) Chrysene-d12	13.95	240	330573	20.00	ng	0.00
87) Perylene-d12	15.39	264	271298	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	920954	88.39	ng	0.00
7) Phenol-d6	6.44	99	1179251	85.09	ng	0.00
23) Nitrobenzene-d5	7.35	82	717443	61.47	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	197395	71.70	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1181237	59.37	ng	0.00
79) Terphenyl-d14	12.90	244	708585	50.33	ng	0.00

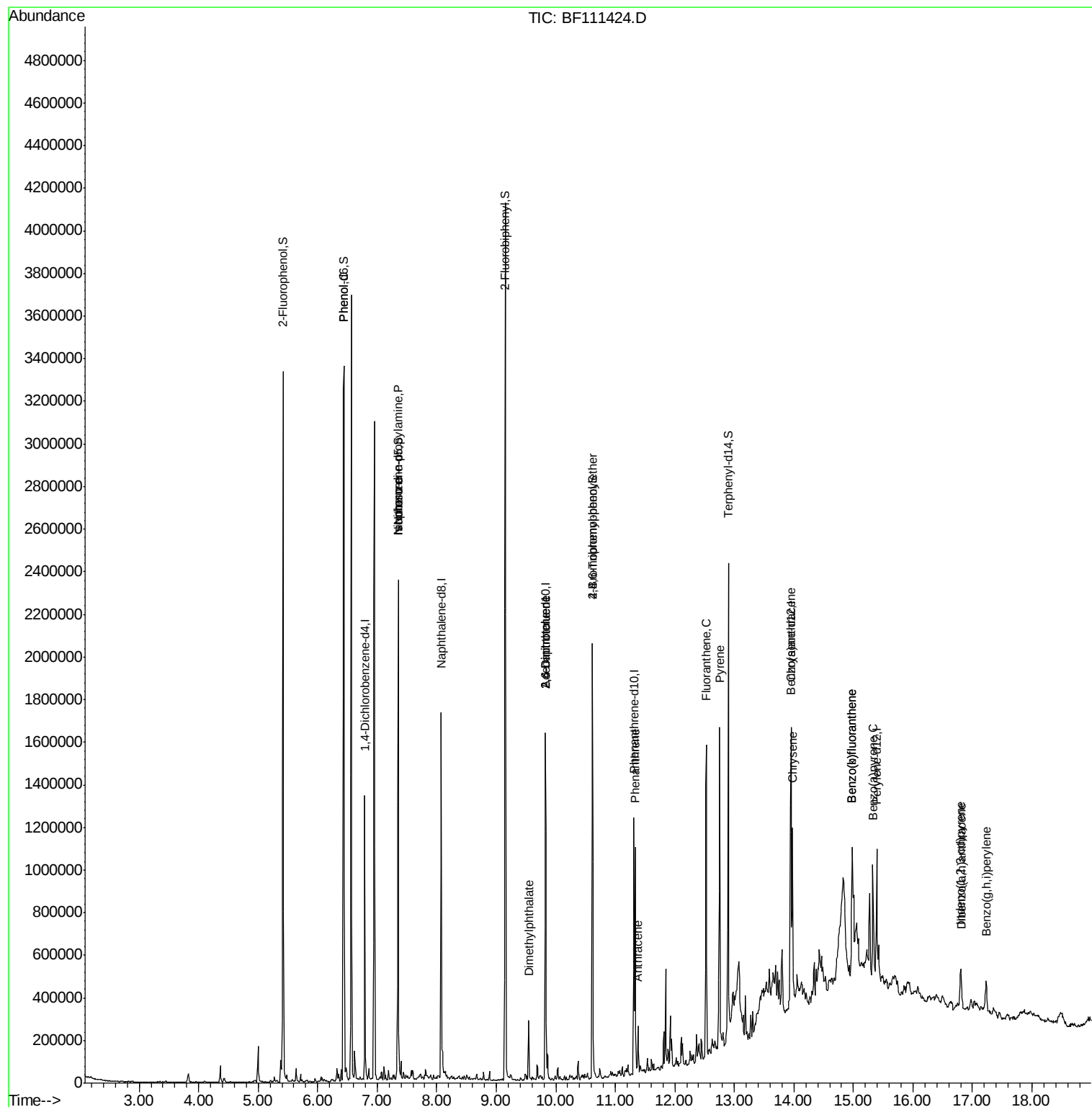
Target Compounds				Qvalue		
10) Phenol	6.45	94	84145	5.450	ng	92
19) n-Nitroso-di-n-propylamine	7.35	70	95964	10.495	ng	# 81
25) Isophorone	7.35	82	713994	36.152	ng	# 64
50) Dimethylphthalate	9.55	163	110251	4.981	ng	99
51) 2,6-Dinitrotoluene	9.83	165	39717	7.972	ng	# 30
57) 2,4-Dinitrotoluene	9.83	165	39717	6.074	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	12985	2.758	ng	# 1
71) Phenanthrene	11.33	178	384125	17.066	ng	94
72) Anthracene	11.39	178	75876	3.296	ng	94
75) Fluoranthene	12.53	202	578559	26.275	ng	96
78) Pyrene	12.75	202	645873	27.712	ng	96
81) Benzo(a)anthracene	13.94	228	313357	17.433	ng	97
83) Chrysene	13.97	228	297303	15.701	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	116823	8.548	ng	92
88) Benzo(b)fluoranthene	14.98	252	431032	27.251	ng	99
89) Benzo(k)fluoranthene	14.98	252	431032	28.520	ng	98
90) Benzo(a)pyrene	15.33	252	242049	16.970	ng	97
91) Dibenzo(a,h)anthracene	16.82	278	29247	2.599	ng	# 88
92) Benzo(a,h,i)perylene	17.23	276	116640	10.561	ng	93

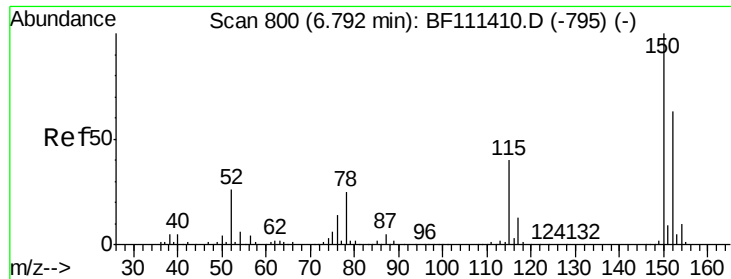
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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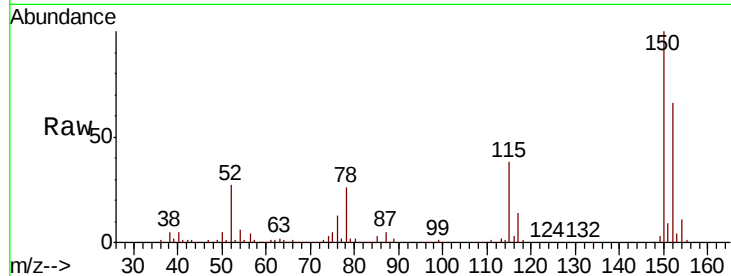


#1

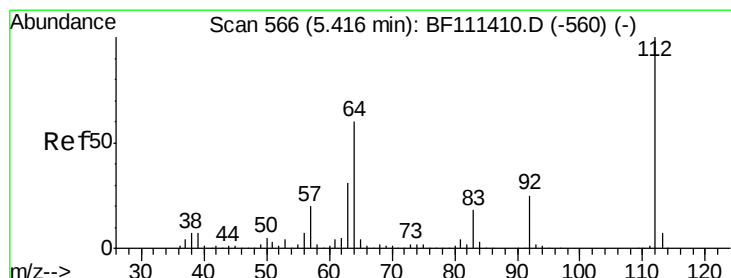
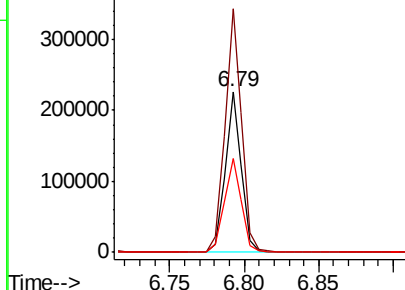
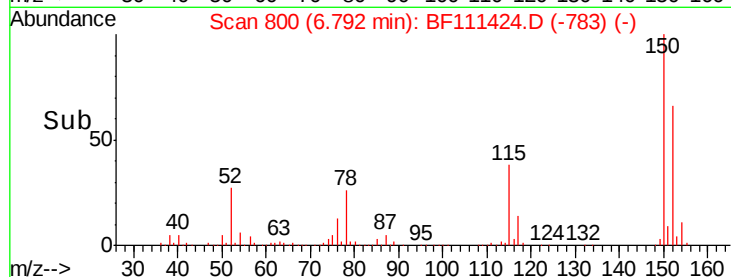
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173377
Ion Ratio Lower Upper
152 100
150 151.5 126.6 189.8
115 58.3 50.7 76.1



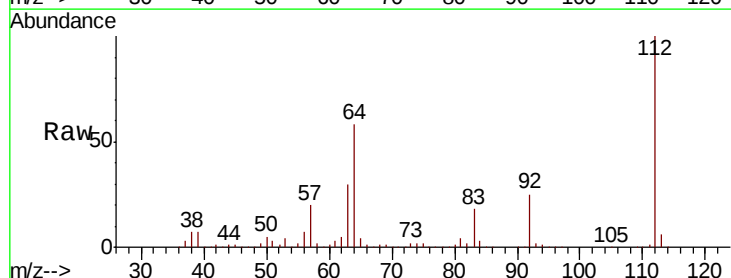
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



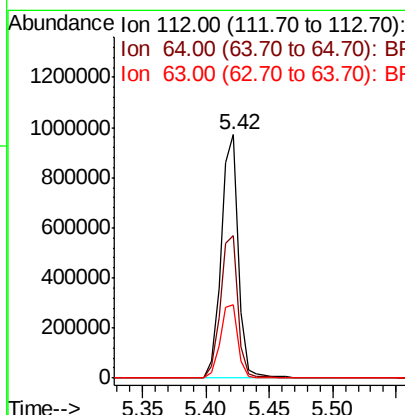
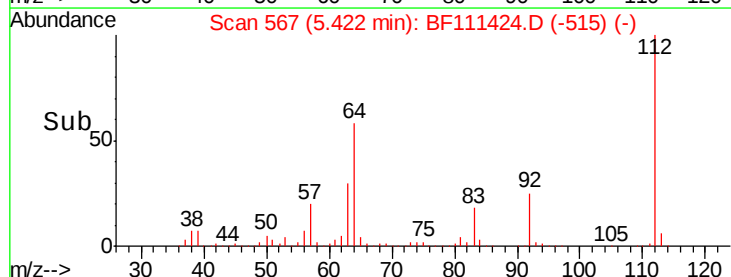
#5

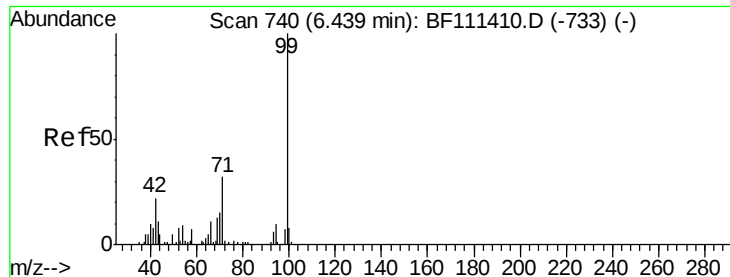
2-Fluorophenol
Concen: 88.392 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion:112 Resp: 920954
Ion Ratio Lower Upper
112 100
64 58.4 51.8 77.6
63 30.0 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: 85.089 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampled :

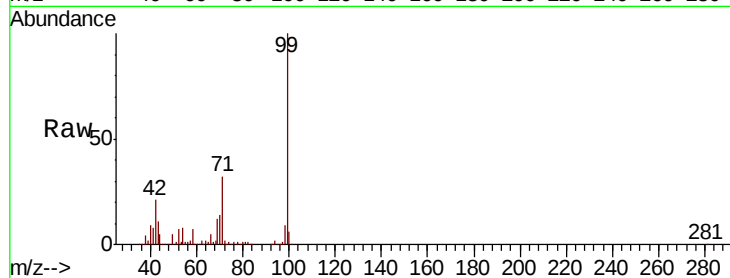
Tot Ion: 99 Resp: 1179251

Ion Ratio Lower Upper

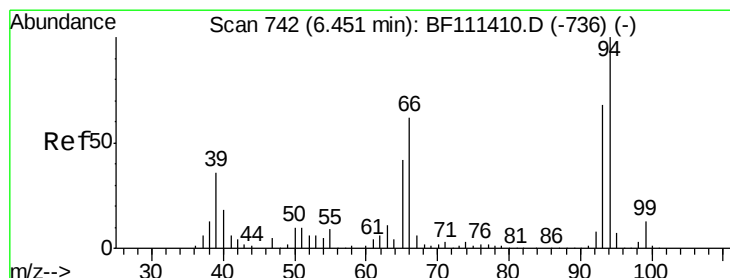
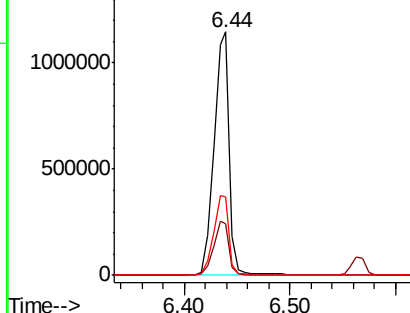
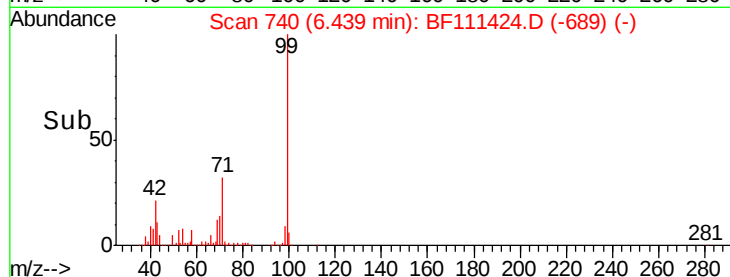
99 100

42 21.1 17.4 26.0

71 32.2 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: 5.450 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

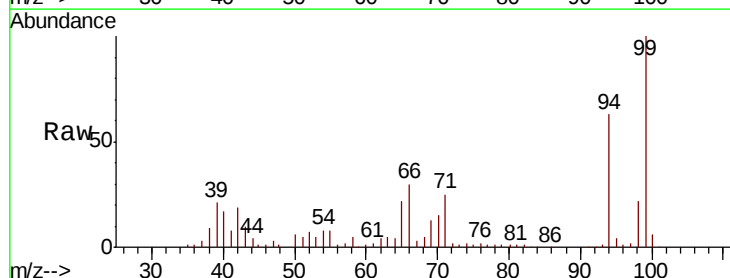
Tgt Ion: 94 Resp: 84145

Ion Ratio Lower Upper

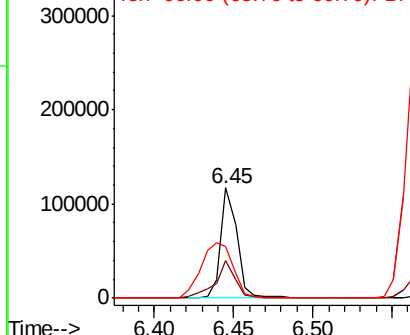
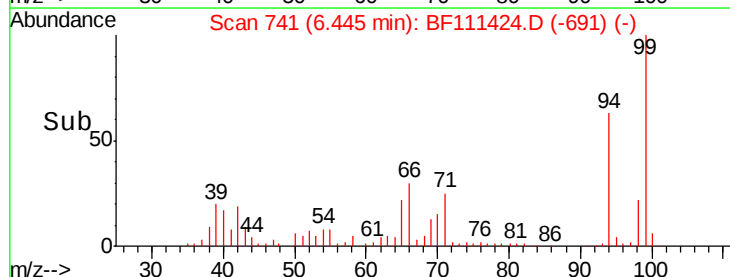
94 100

65 34.2 11.7 51.7

66 47.4 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

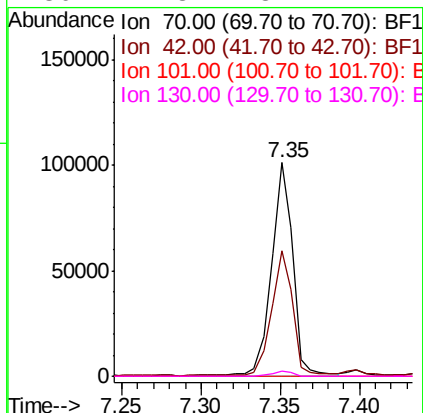
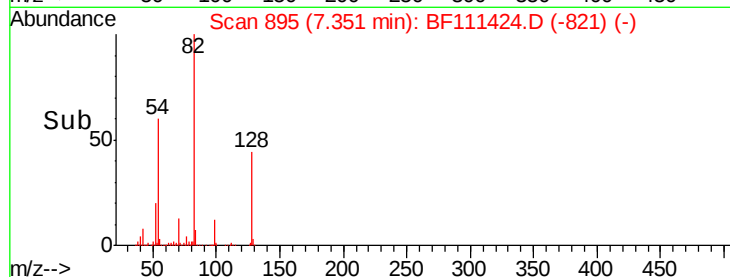
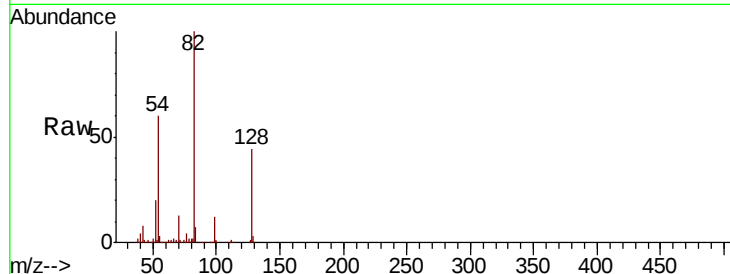




#19
n-Nitroso-di-n-propylamine
Concen: 10.495 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

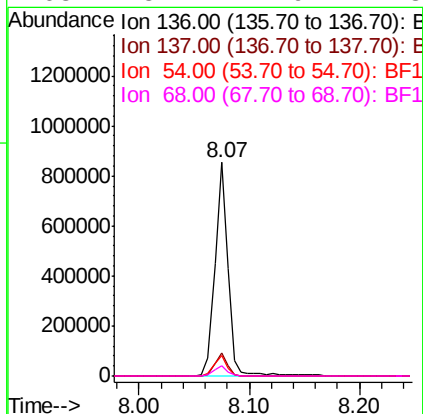
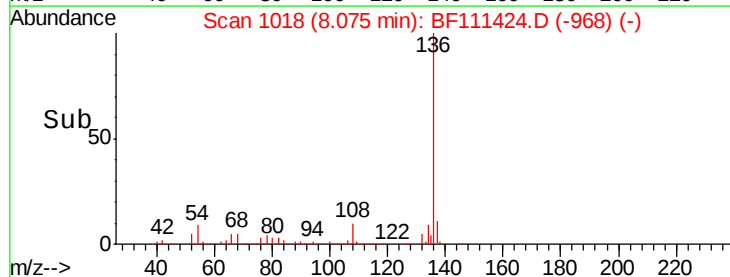
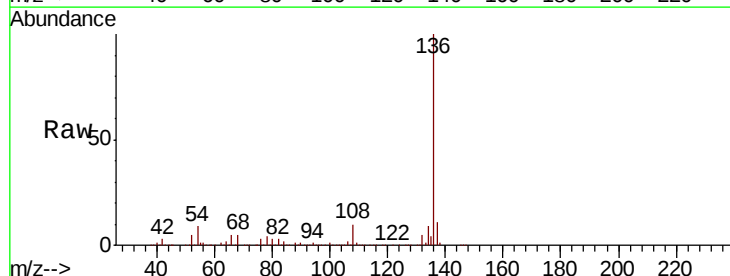
Instrument :
BNA_F
ClientSampleId :

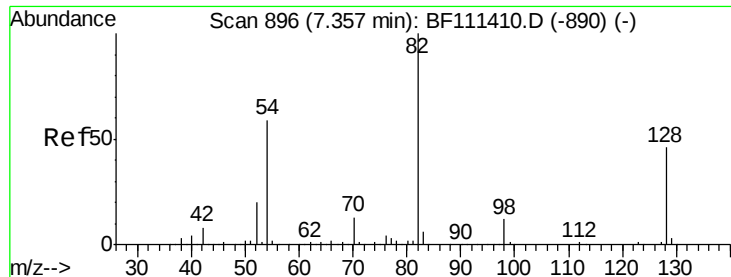
Tot Ion	Ratio	Lower	Upper
70	100		
42	58.6	53.2	79.8
101	0.0	8.2	12.4
130	2.3	18.1	27.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	9.4	7.7	11.5
68	5.1	4.9	7.3

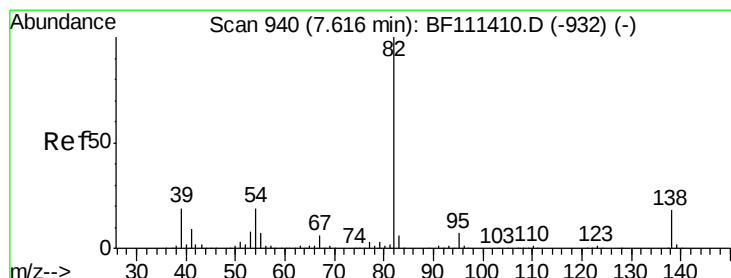
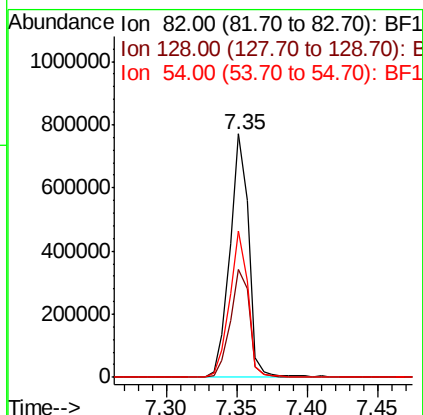
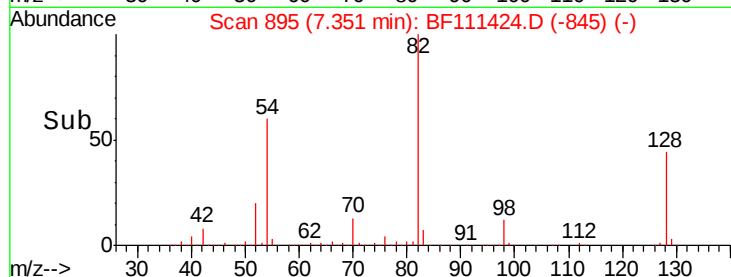
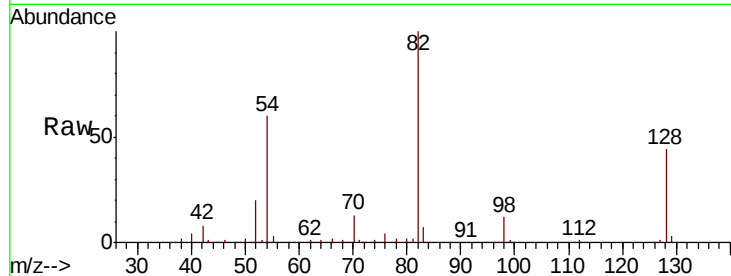




#23
Nitrobenzene-d5
Concen: 61.465 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

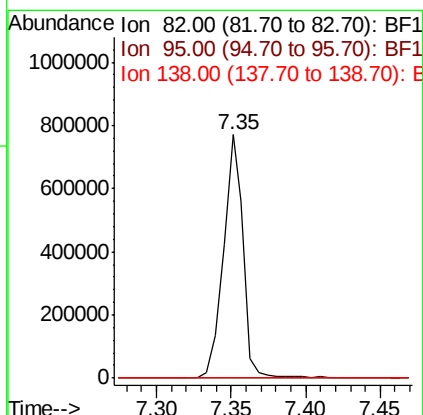
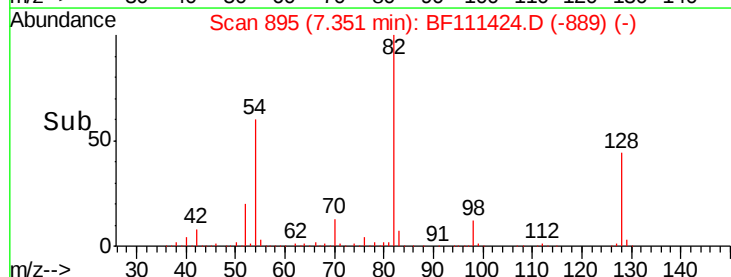
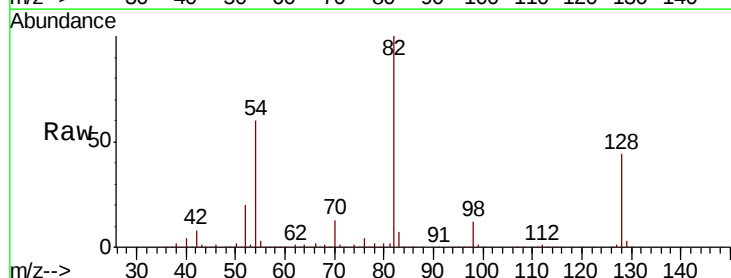
Instrument :
BNA_F
ClientSampleId :

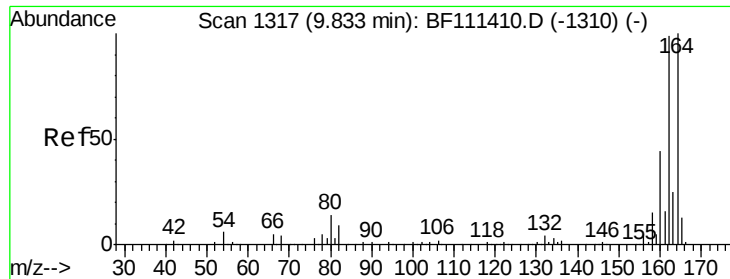
Tot Ion: 82 Resp: 717443
Ion Ratio Lower Upper
82 100
128 44.4 37.4 56.2
54 60.2 47.6 71.4



#25
Isophorone
Concen: 36.152 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion: 82 Resp: 713994
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#

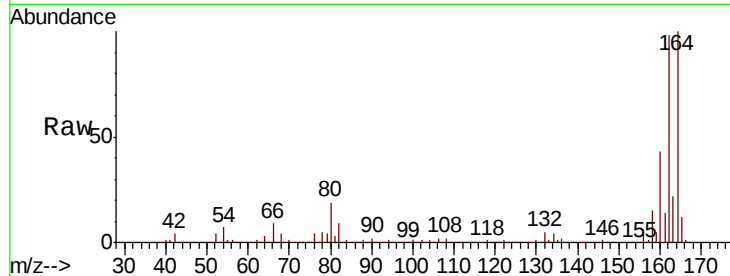




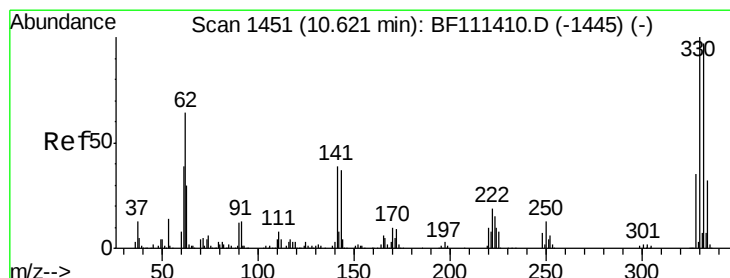
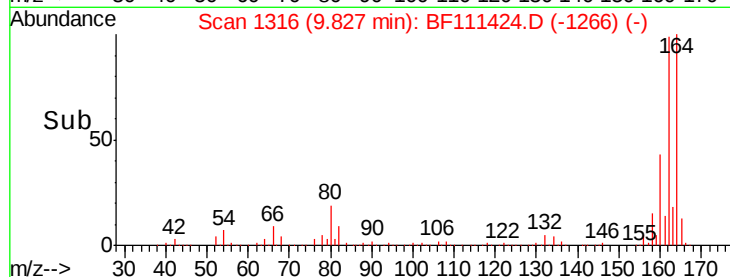
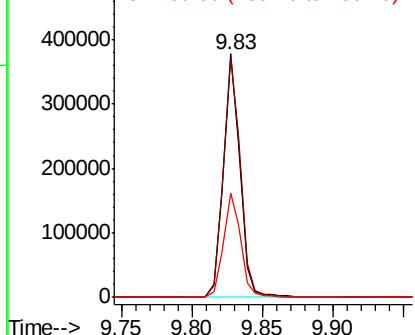
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 307316
Ion Ratio Lower Upper
164 100
162 98.3 81.4 122.0
160 42.8 35.7 53.5

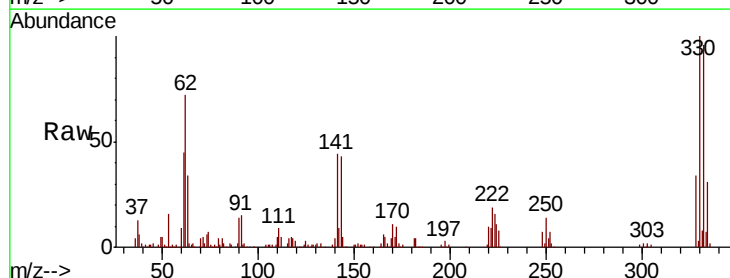


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

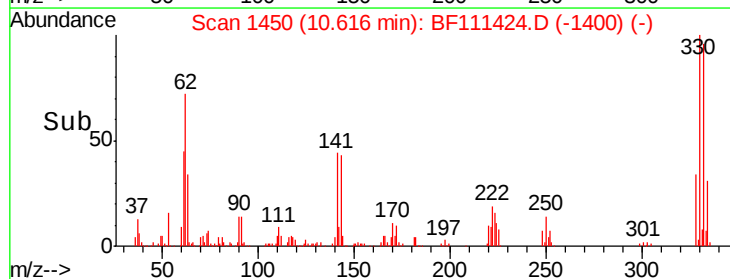
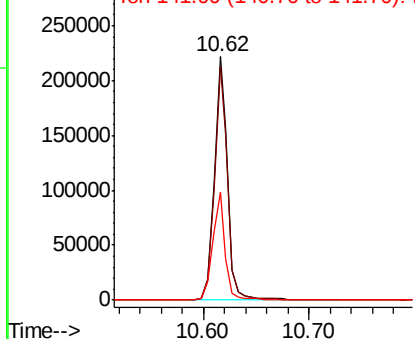


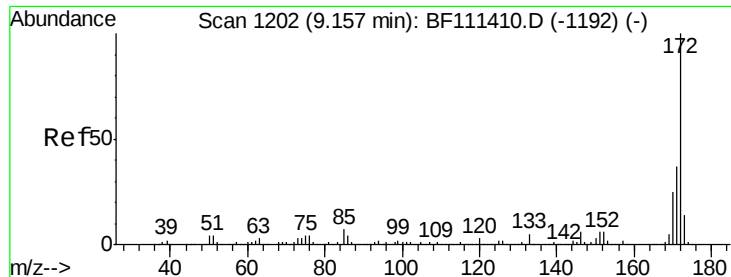
#42
2,4,6-Tribromophenol
Concen: 71.704 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion:330 Resp: 197395
Ion Ratio Lower Upper
330 100
332 94.9 76.0 114.0
141 41.7 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

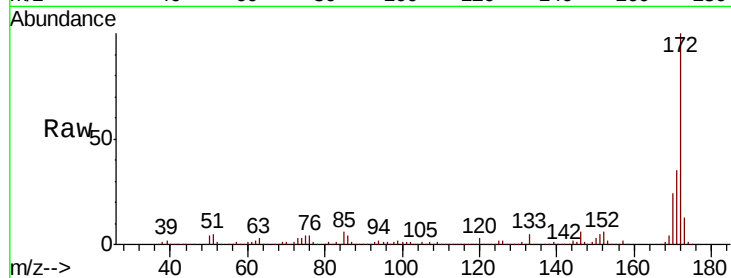




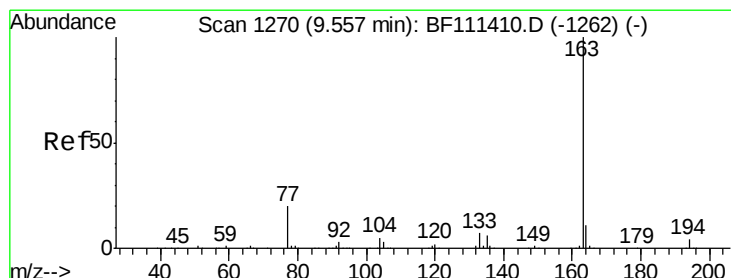
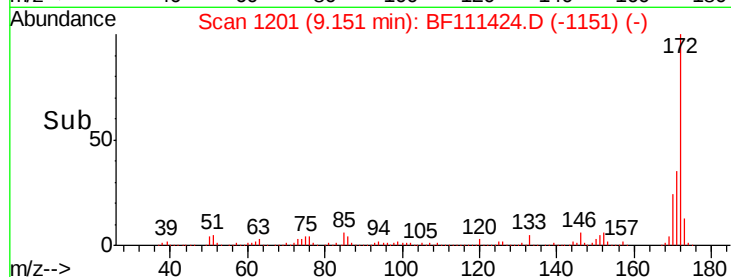
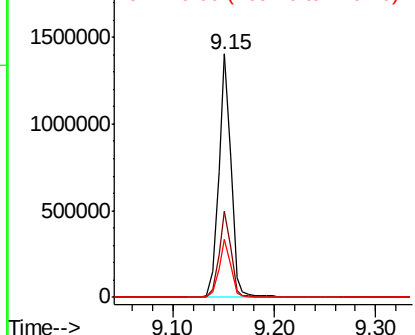
#45
2-Fluorobiphenyl
Concen: 59.372 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1181237
Ion Ratio Lower Upper
172 100
171 35.3 33.0 49.4
170 23.7 22.3 33.5

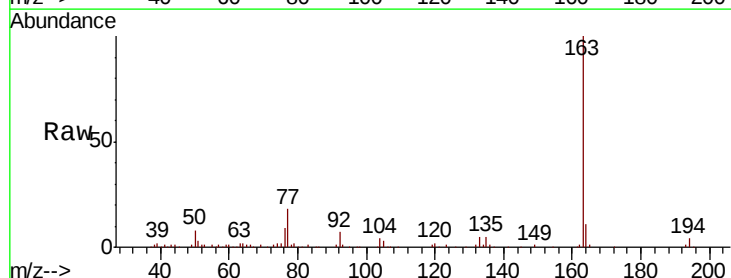


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

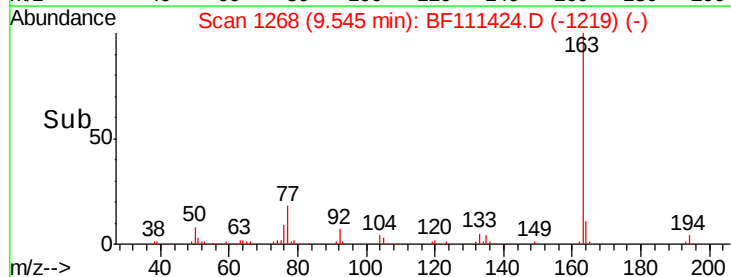
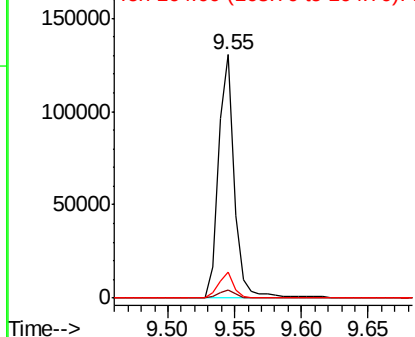


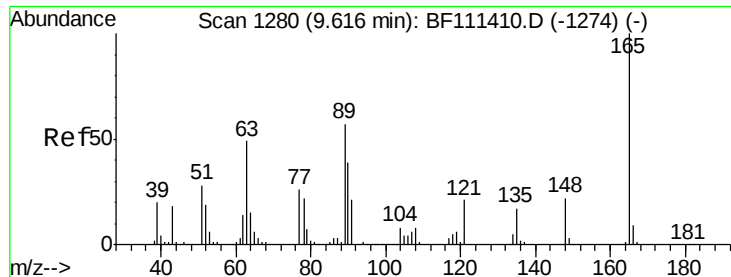
#50
Dimethylphthalate
Concen: 4.981 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion:163 Resp: 110251
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 10.5 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

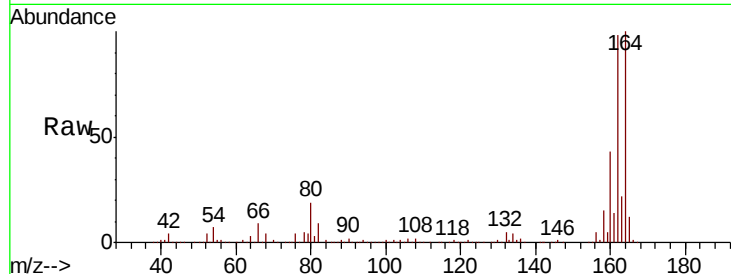




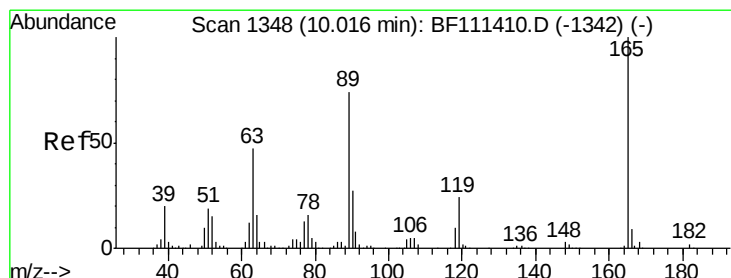
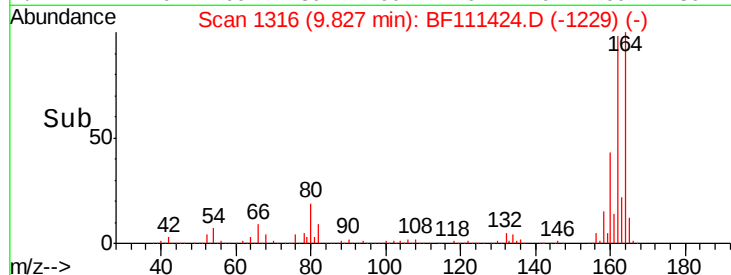
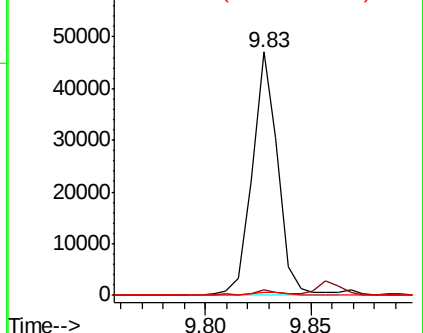
#51
 2,6-Dinitrotoluene
 Concen: 7.972 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111424.D
 Acq: 14 Dec 2018 17:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	40.5	60.7#
89	1.3	40.0	60.0#



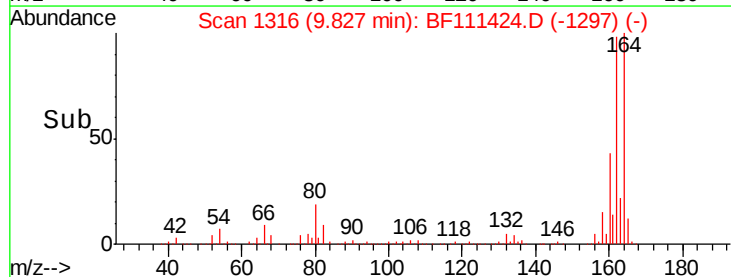
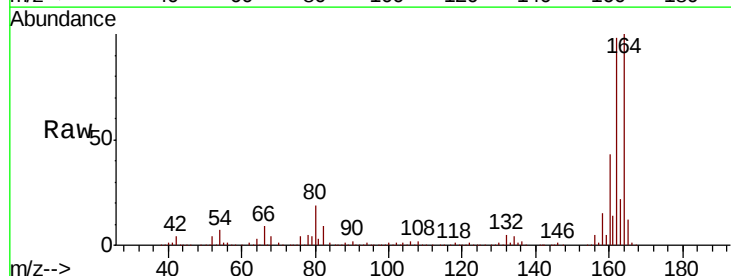
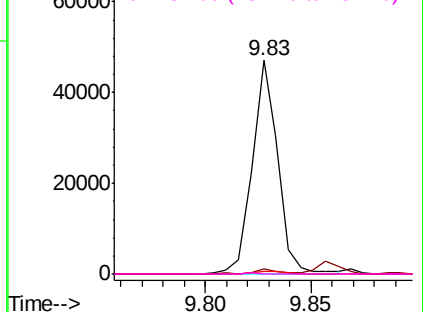
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

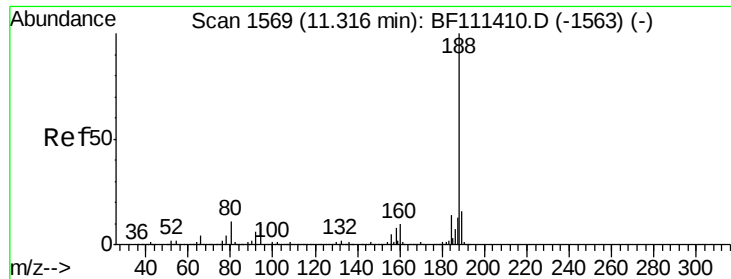


#57
 2,4-Dinitrotoluene
 Concen: 6.074 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111424.D
 Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampleId :

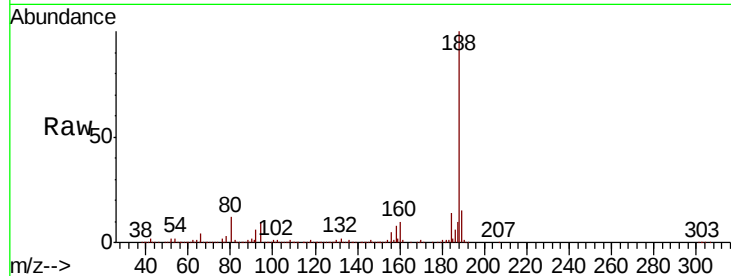
Tot Ion:188 Resp: 436803

Ion Ratio Lower Upper

188 100

94 10.4 9.6 14.4

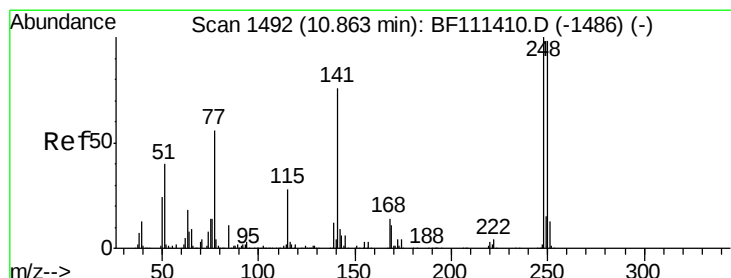
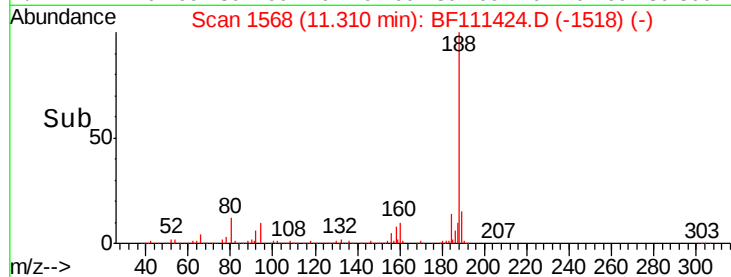
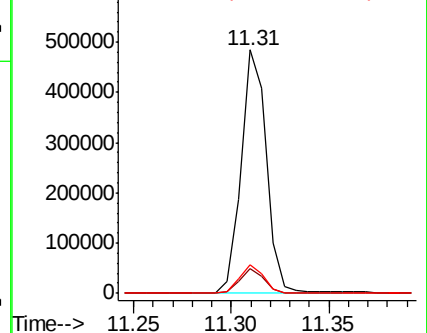
80 11.8 9.8 14.6



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



#67

4-Bromophenyl-phenylether

Concen: 2.758 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

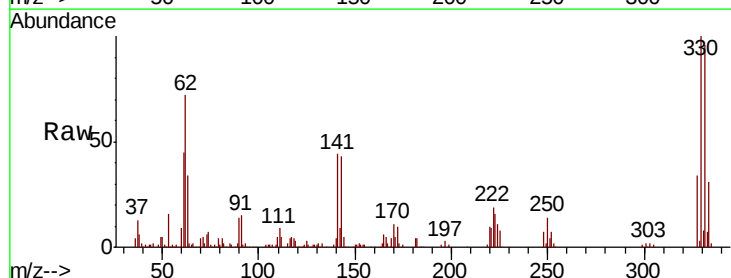
Tgt Ion:248 Resp: 12985

Ion Ratio Lower Upper

248 100

250 199.4 77.0 115.4#

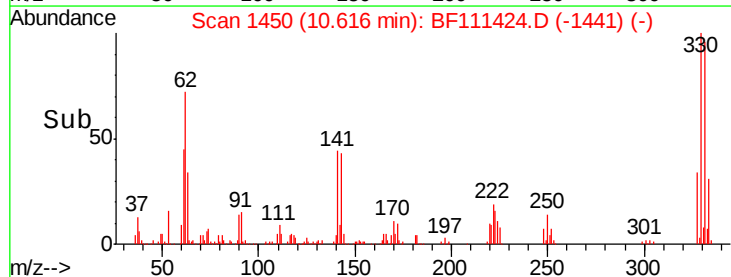
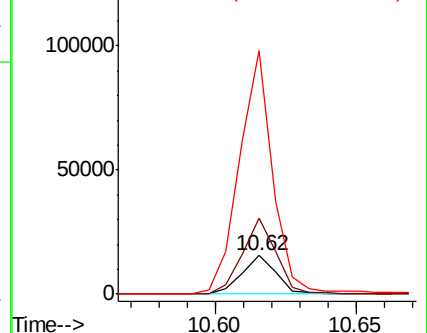
141 636.7 63.0 94.6#

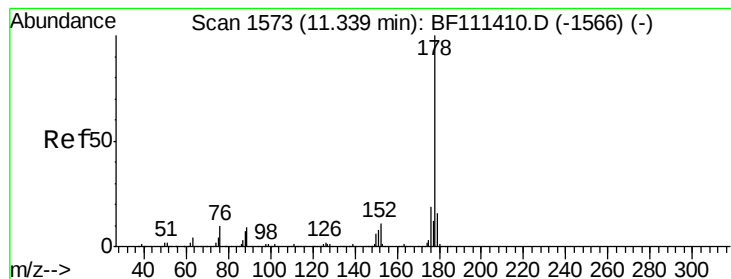


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 17.066 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampled :

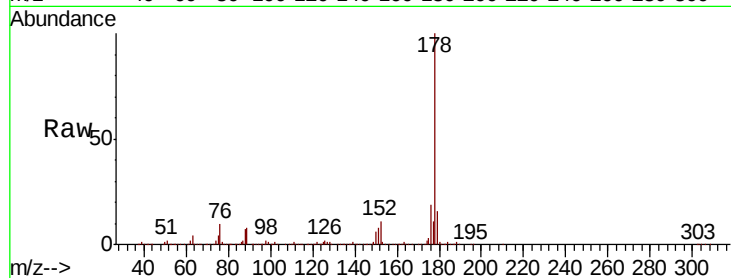
Tot Ion:178 Resp: 384125

Ion Ratio Lower Upper

178 100

176 19.1 18.1 27.1

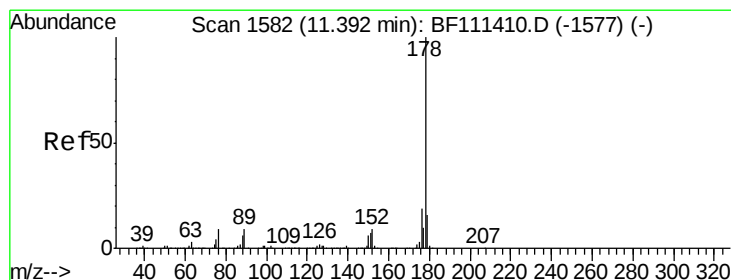
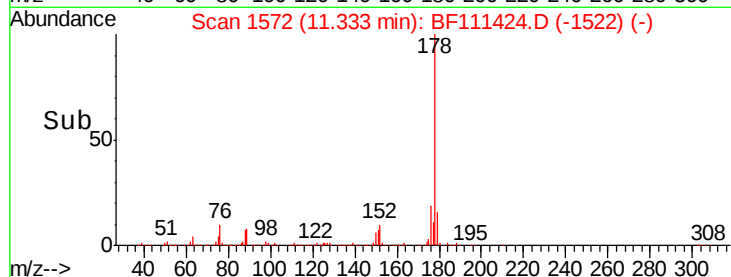
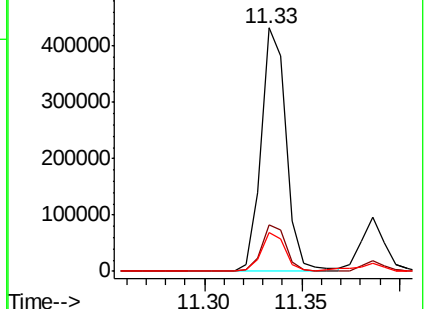
179 15.7 14.0 21.0



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: 3.296 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

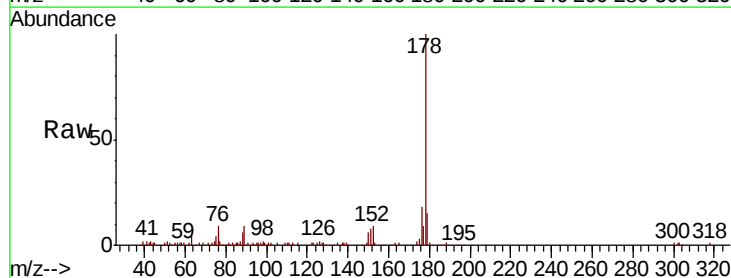
Tgt Ion:178 Resp: 75876

Ion Ratio Lower Upper

178 100

176 18.5 17.2 25.8

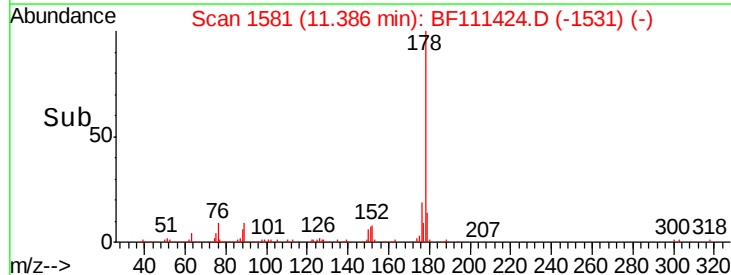
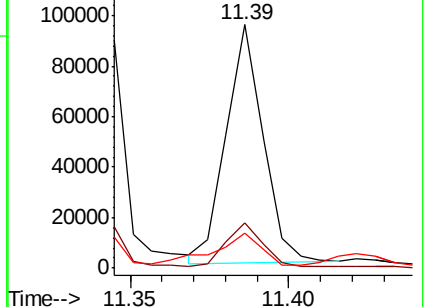
179 14.5 13.8 20.8

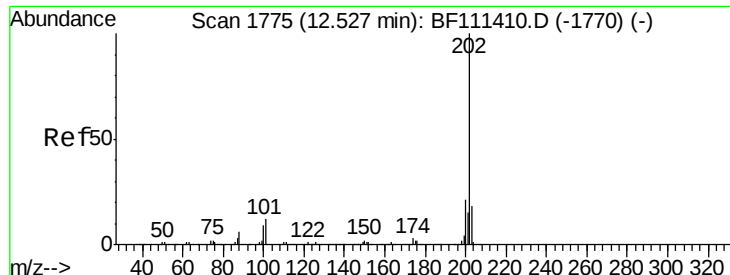


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 26.275 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampleId :

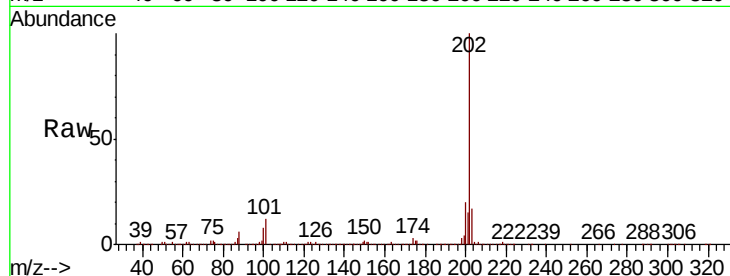
Tot Ion:202 Resp: 578559

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.8

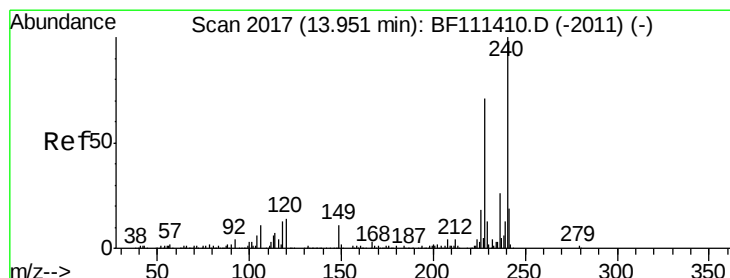
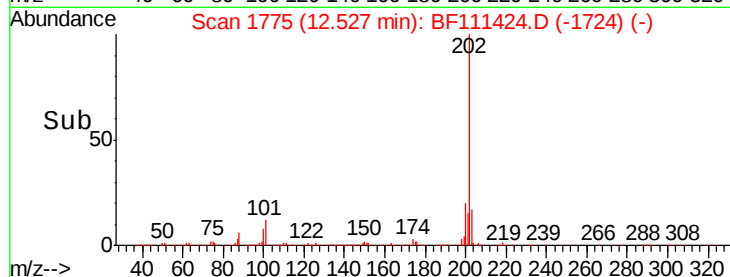
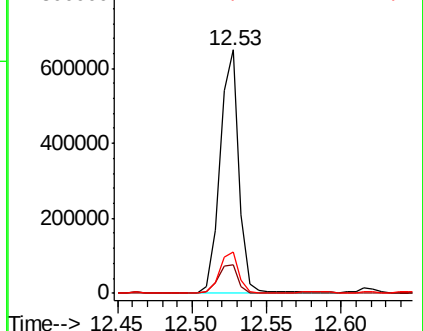
203 17.0 0.0 38.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

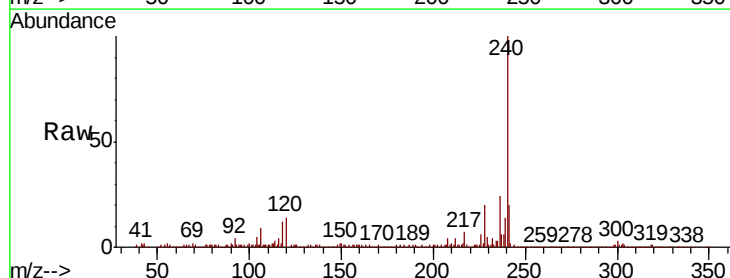
Tgt Ion:240 Resp: 330573

Ion Ratio Lower Upper

240 100

120 13.7 12.2 18.2

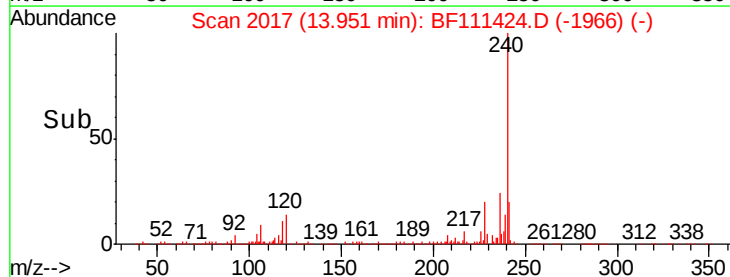
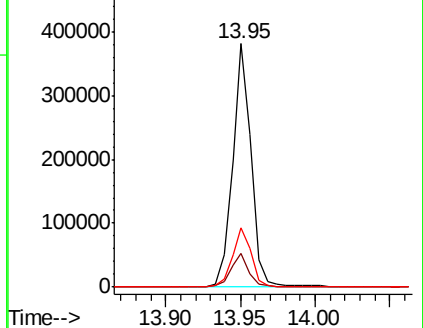
236 24.1 20.2 30.2

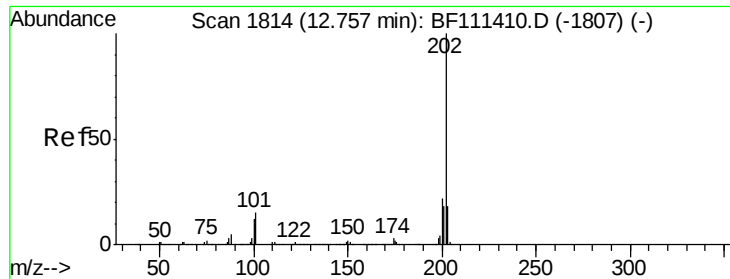


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

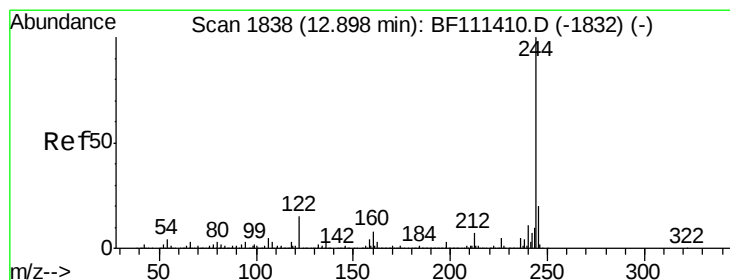
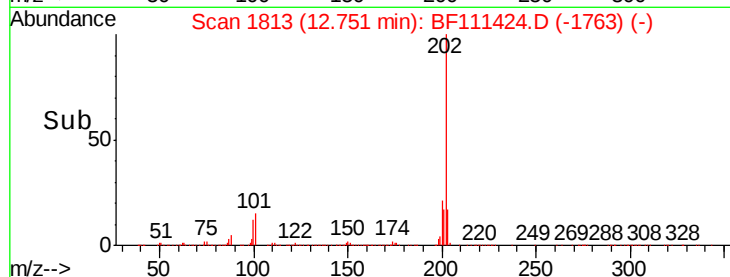
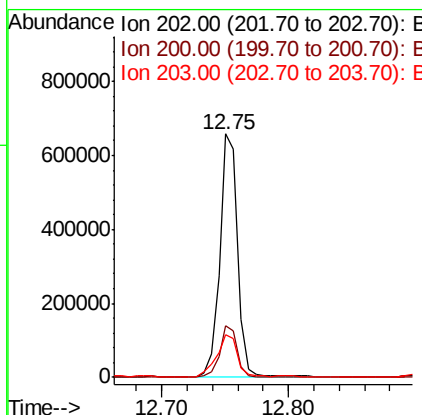
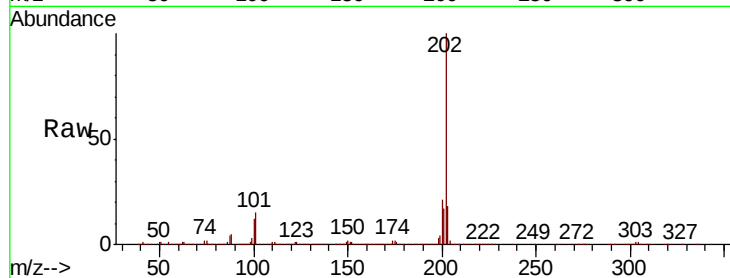




#78
Pvrene
Concen: 27.712 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

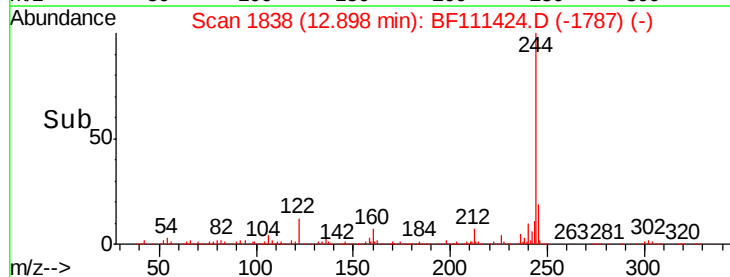
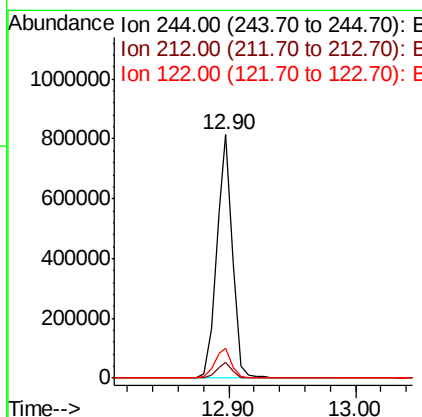
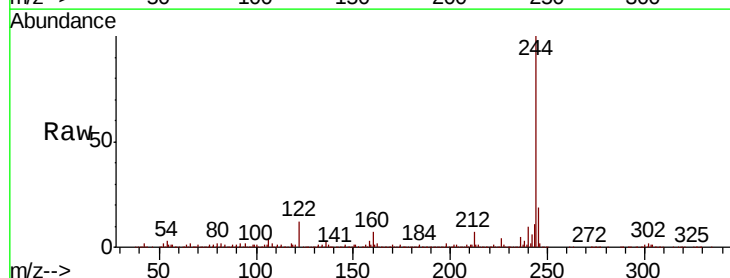
Instrument :
BNA_F
ClientSampleId :

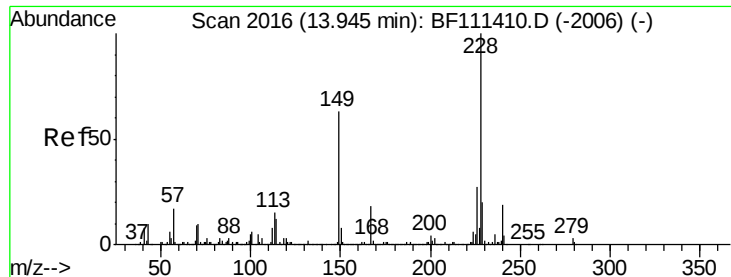
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.4
203	17.6	15.2	22.8



#79
Terphenyl-d14
Concen: 50.335 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	12.4	13.1	19.7

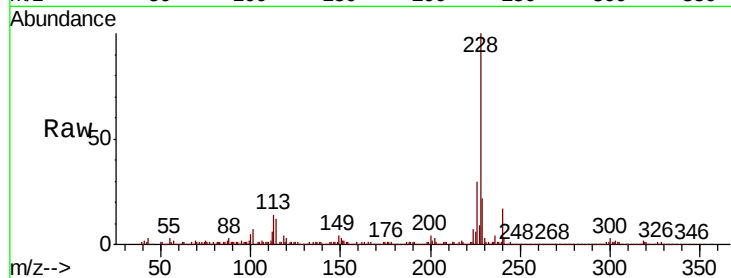




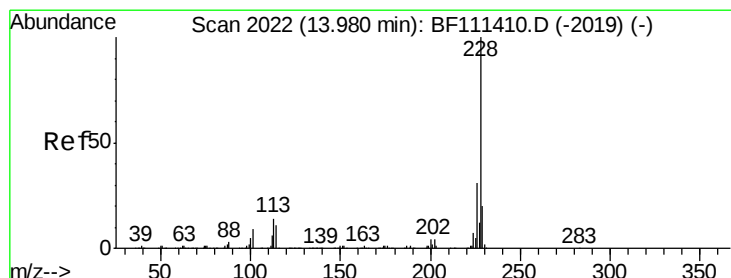
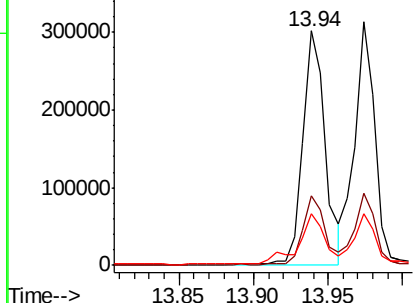
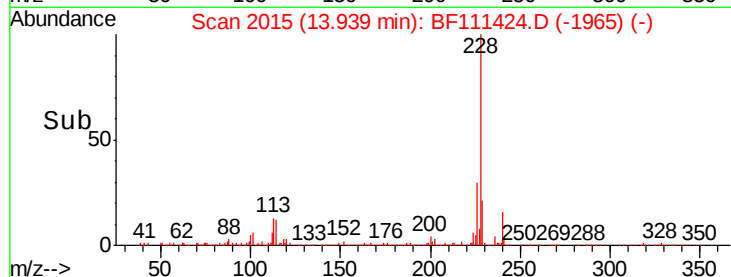
#81
Benzo(a)anthracene
Concen: 17.433 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 313357
Ion Ratio Lower Upper
228 100
226 29.9 22.6 34.0
229 21.9 16.3 24.5

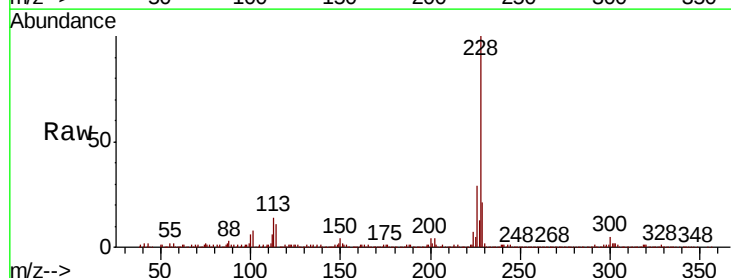


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

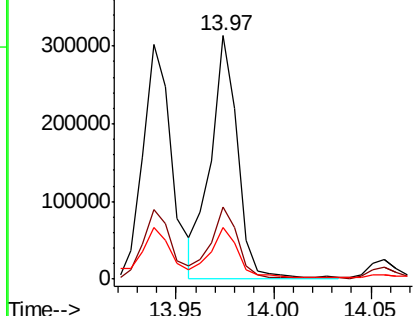
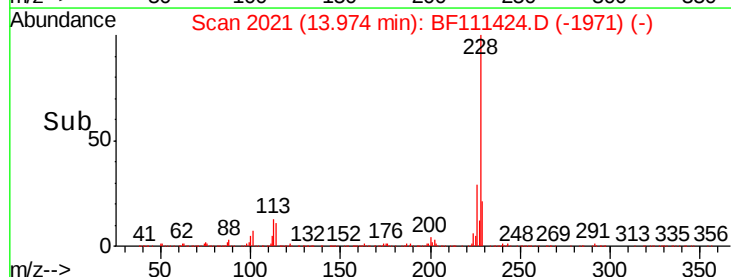


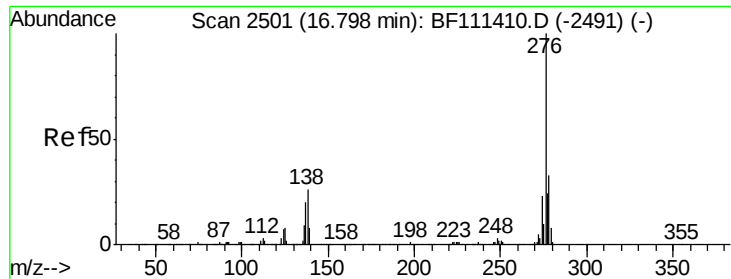
#83
Chrysene
Concen: 15.701 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion:228 Resp: 297303
Ion Ratio Lower Upper
228 100
226 29.4 25.3 37.9
229 21.2 17.2 25.8



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

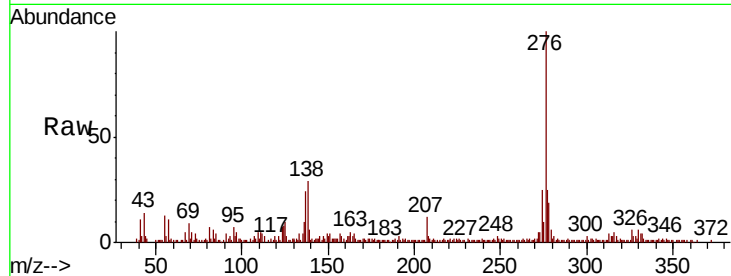




#86
Indeno(1,2,3-cd)pyrene
Concen: 8.548 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	27.8	41.6
277	23.7	20.1	30.1

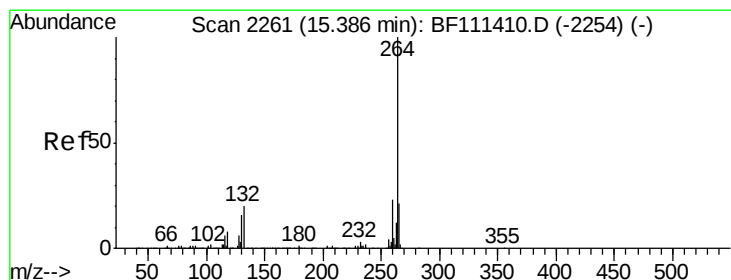
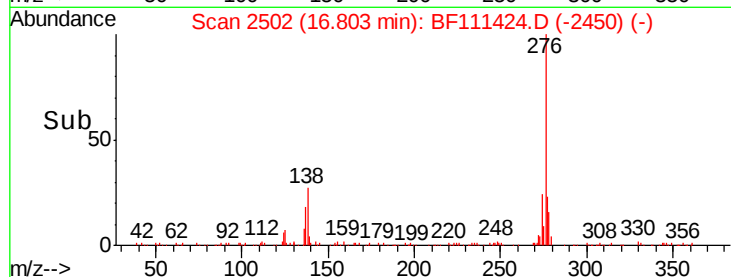
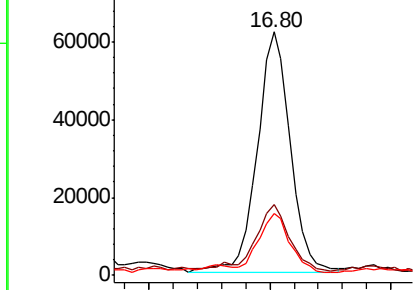


Abundance

Ion 276.00 (275.70 to 276.70): E

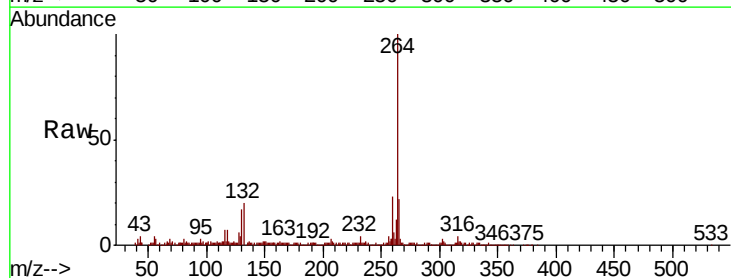
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111424.D
Acq: 14 Dec 2018 17:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.3	27.5
265	22.2	17.7	26.5

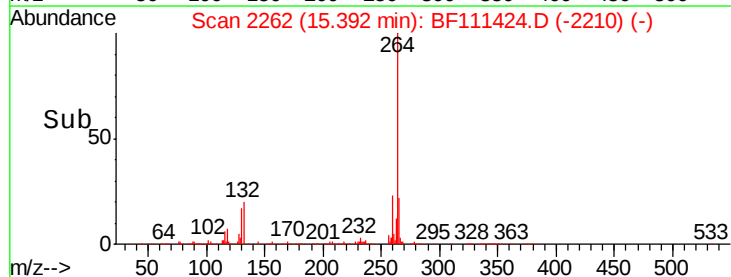
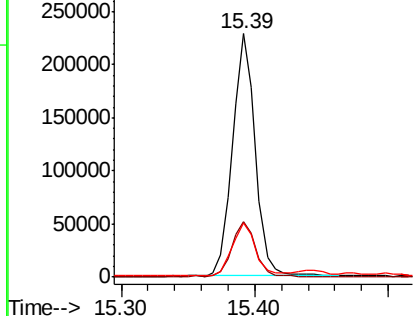


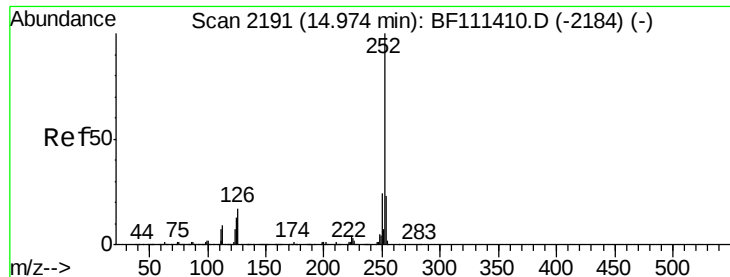
Abundance

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: 27.251 ng

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampleId :

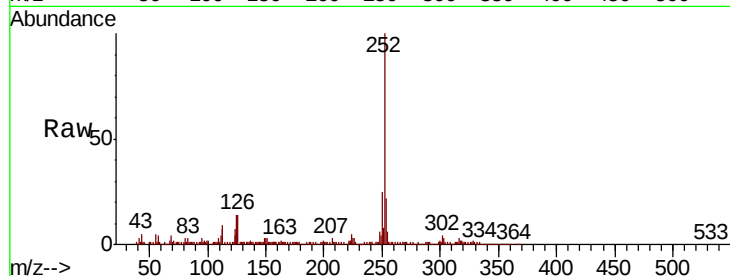
Tot Ion:252 Resp: 431032

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 13.7 10.4 15.6

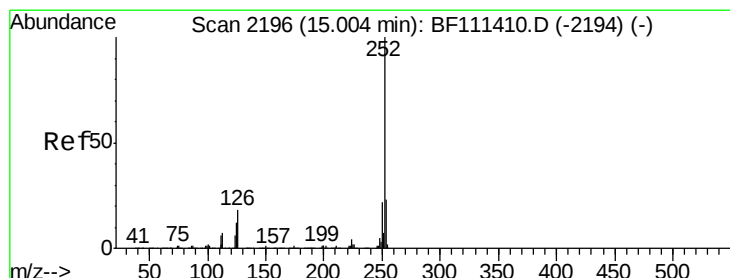
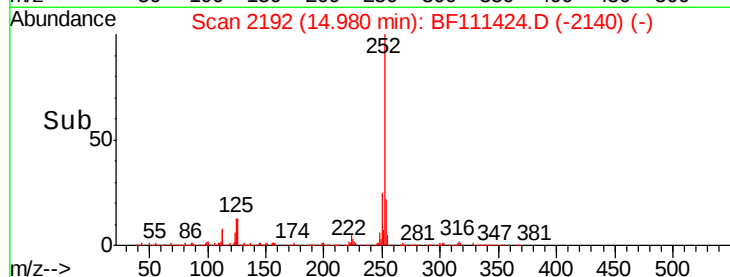
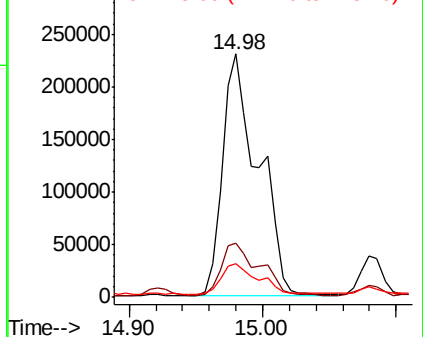


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 28.520 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

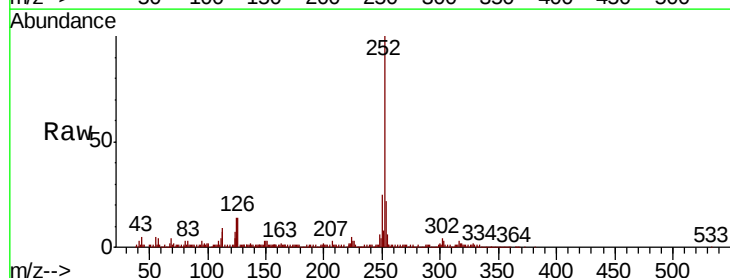
Tgt Ion:252 Resp: 431032

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

125 13.7 9.8 14.8

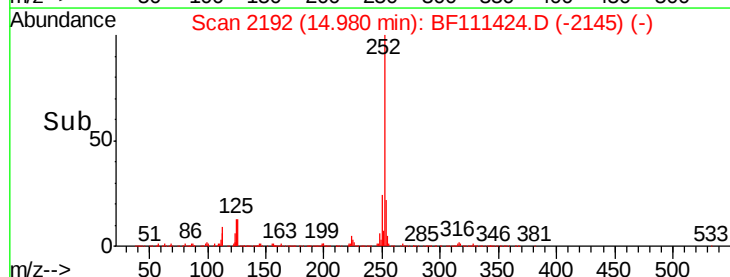
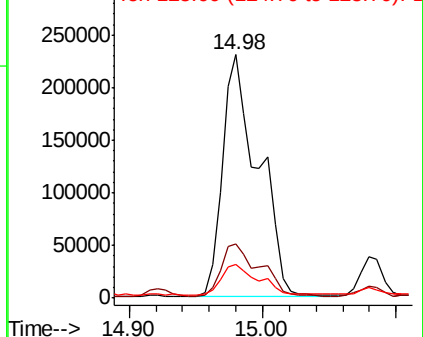


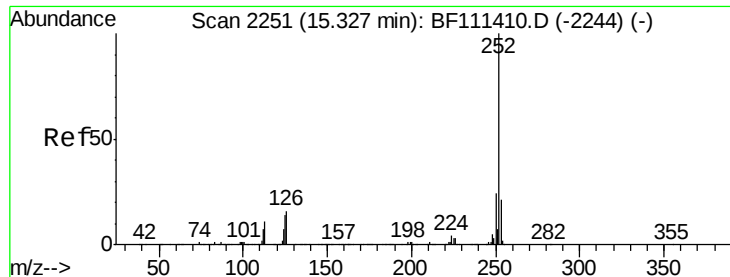
Abundance

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: 16.970 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampled :

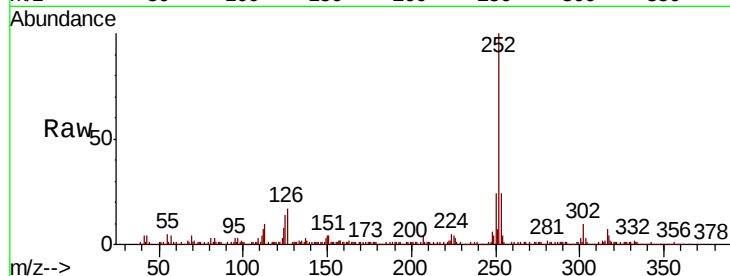
Tot Ion:252 Resp: 242049

Ion Ratio Lower Upper

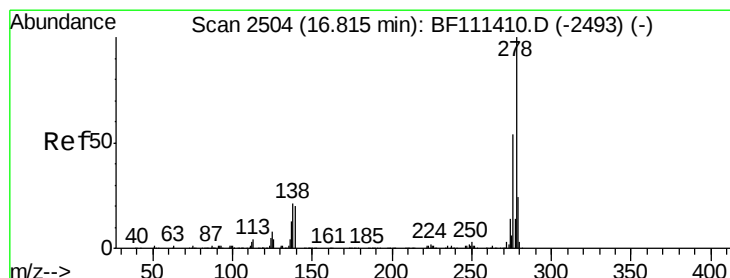
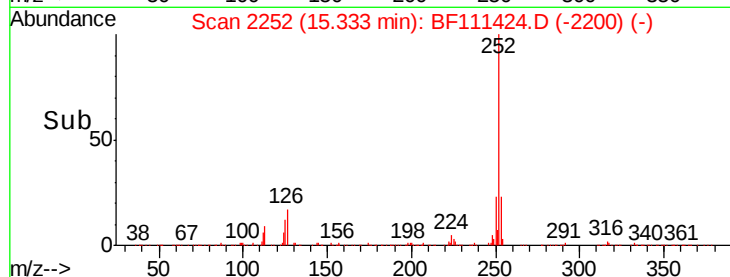
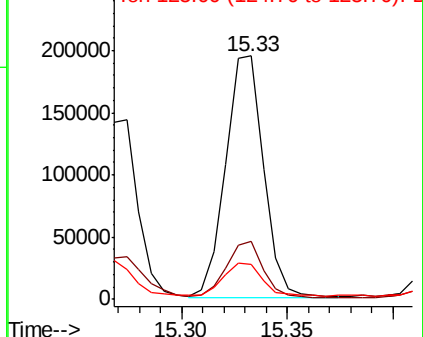
252 100

253 23.8 17.8 26.8

125 14.3 12.3 18.5



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



#91

Dibenzo(a,h)anthracene

Concen: 2.599 ng

RT: 16.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

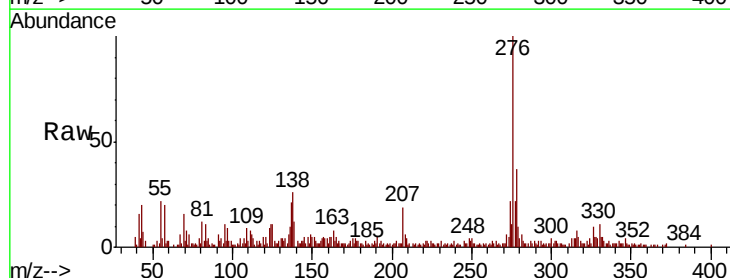
Tgt Ion:278 Resp: 29247

Ion Ratio Lower Upper

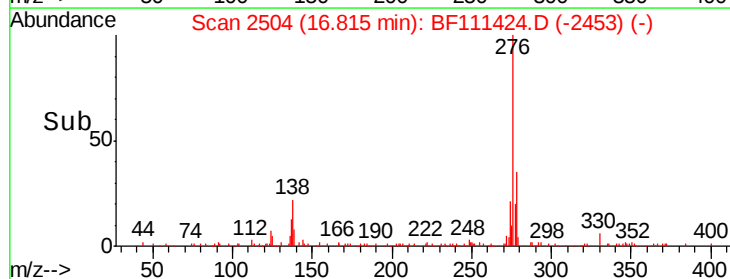
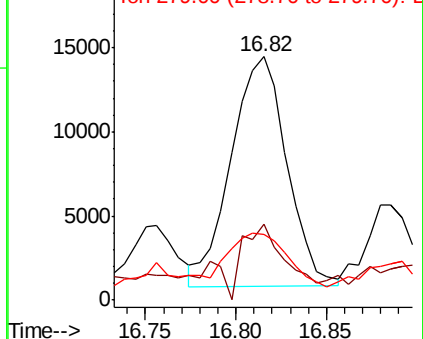
278 100

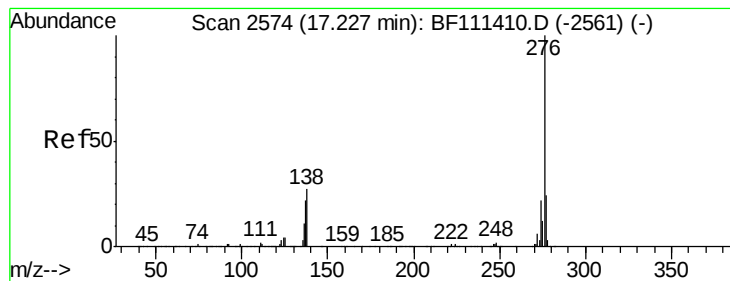
139 31.2 18.2 27.4#

279 26.8 19.0 28.6



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





#92

Benzo(a,h,i)perylene

Concen: 10.561 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BF111424.D

Acq: 14 Dec 2018 17:44

Instrument :

BNA_F

ClientSampleId :

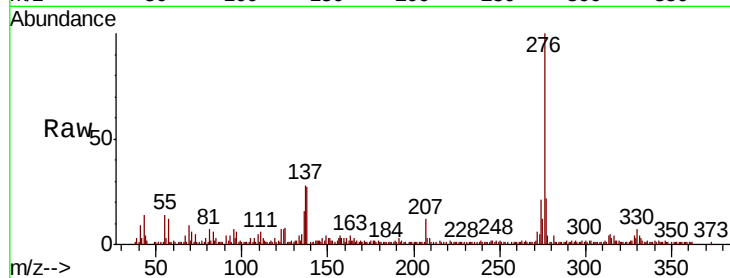
Tot Ion:276 Resp: 116640

Ion Ratio Lower Upper

276 100

277 21.7 19.2 28.8

138 26.7 24.9 37.3



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

