

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111536.D
 Acq On : 17 Dec 2018 13:44
 Operator : JU/SJ
 Sample : J6386-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0612-01

Quant Time: Dec 18 04:08:16 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	145610	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	529102	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	220797	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	357880	20.00	ng	-0.01
76) Chrysene-d12	13.95	240	490258	20.00	ng	0.00
87) Perylene-d12	15.39	264	421128	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	918244	104.94	ng	0.00
7) Phenol-d6	6.44	99	1112752	95.60	ng	0.00
23) Nitrobenzene-d5	7.35	82	711962	80.13	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	183830	92.94	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1160739	81.20	ng	-0.01
79) Terphenyl-d14	12.90	244	1222489	58.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	80609	6.217	ng	95
19) n-Nitroso-di-n-propylamine	7.35	70	93155	12.131	ng	# 80
25) Isophorone	7.35	82	711956	47.357	ng	# 64
49) Acenaphthylene	9.68	152	46887	2.221	ng	95
50) Dimethylphthalate	9.54	163	105763	6.651	ng	95
67) 4-Bromophenyl-phenylether	10.61	248	12700	3.293	ng	# 1
71) Phenanthrene	11.33	178	118922	6.449	ng	93
75) Fluoranthene	12.52	202	116871	6.478	ng	96
78) Pyrene	12.74	202	205623	5.949	ng	96
81) Benzo(a)anthracene	13.97	228	79085	2.967	ng	96
83) Chrysene	13.97	228	79603	2.835	ng	95
88) Benzo(b)fluoranthene	14.97	252	87868	3.579	ng	# 77
89) Benzo(k)fluoranthene	14.97	252	87868	3.745	ng	# 76
90) Benzo(a)pyrene	15.33	252	70513	3.185	ng	# 83
92) Benzo(g,h,i)perylene	17.23	276	41095	2.397	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

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P001-SS006-0612-01

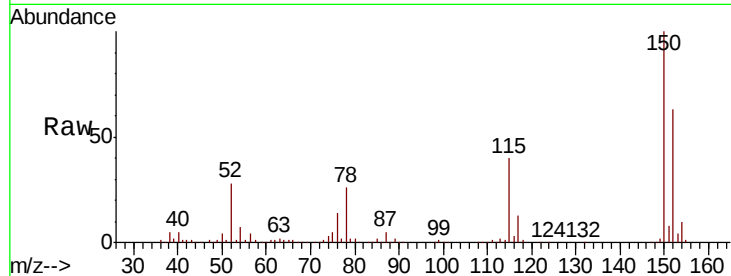
Tgt Ion:152 Resp: 145610

Ion Ratio Lower Upper

152 100

150 158.2 126.6 189.8

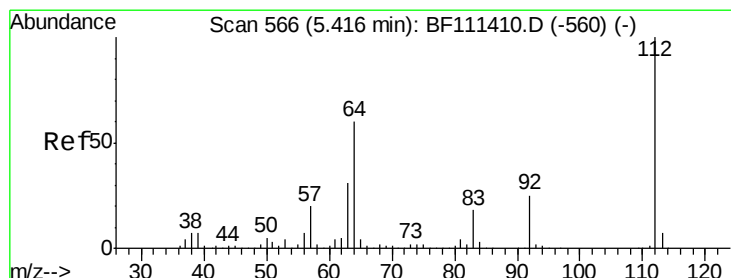
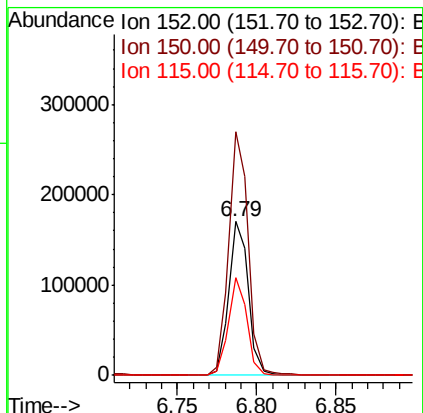
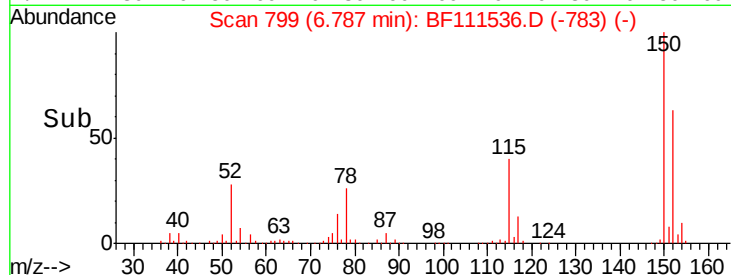
115 63.5 50.7 76.1



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: 104.939 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

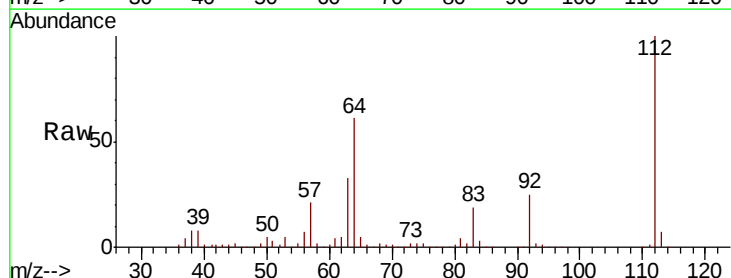
Tgt Ion:112 Resp: 918244

Ion Ratio Lower Upper

112 100

64 61.0 51.8 77.6

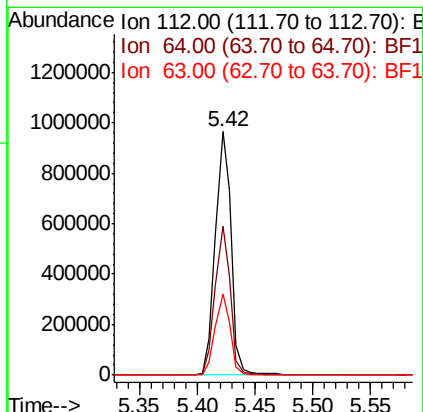
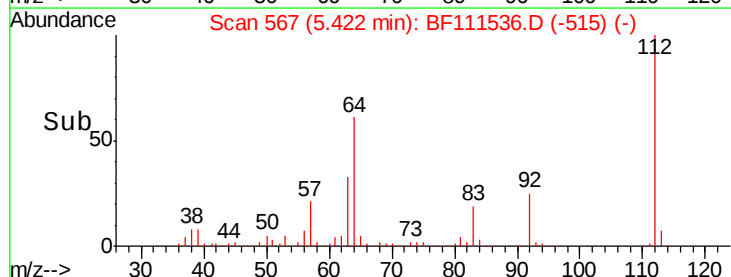
63 33.2 26.8 40.2

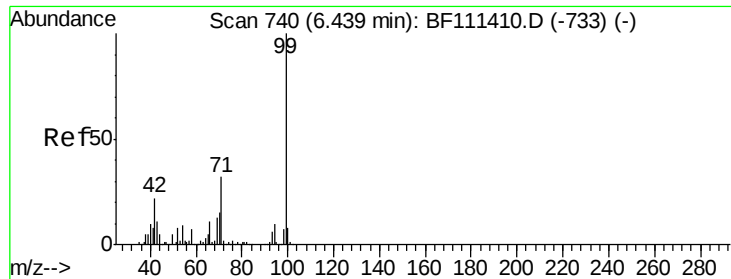


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.602 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0612-01

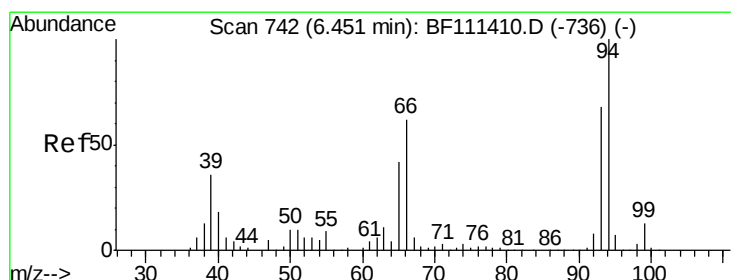
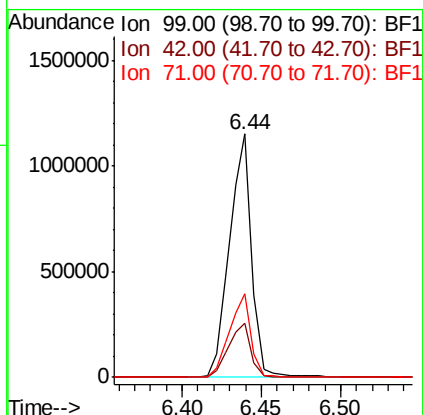
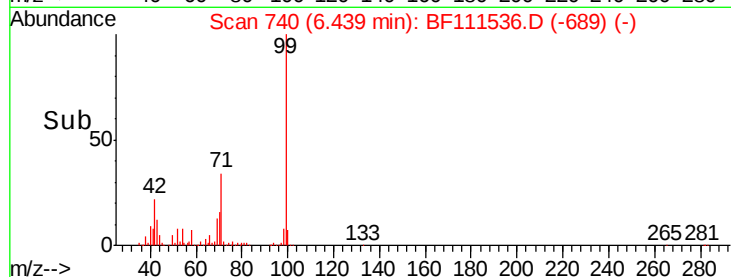
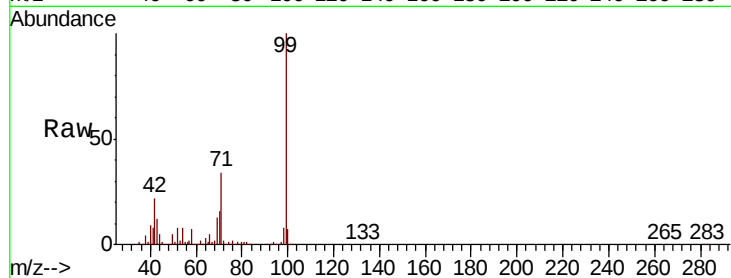
Tgt Ion: 99 Resp: 1112752

Ion Ratio Lower Upper

99 100

42 22.4 17.4 26.0

71 34.5 26.1 39.1



#10

Phenol

Concen: 6.217 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

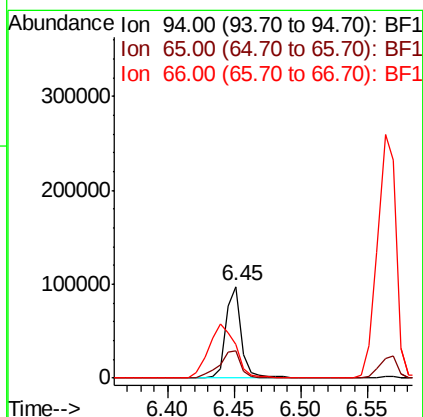
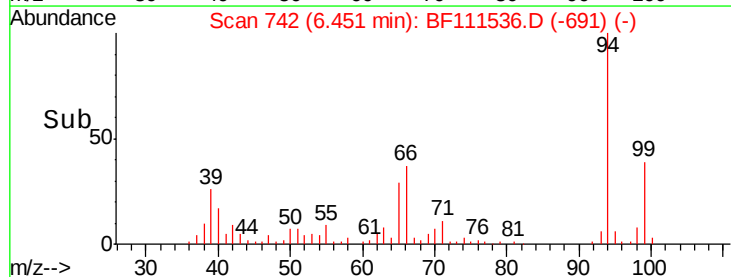
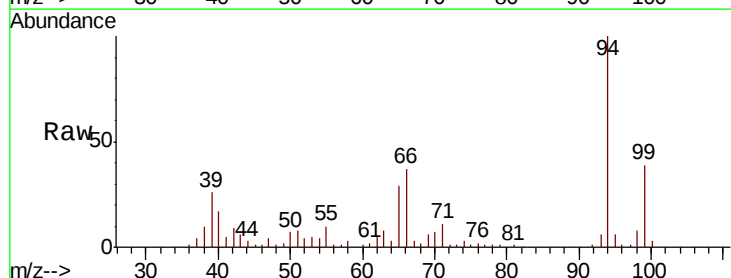
Tgt Ion: 94 Resp: 80609

Ion Ratio Lower Upper

94 100

65 29.3 11.7 51.7

66 37.4 21.0 61.0

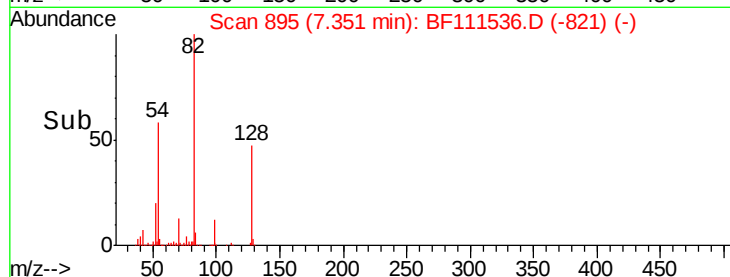
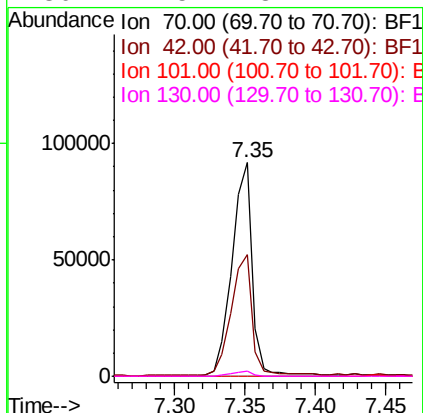
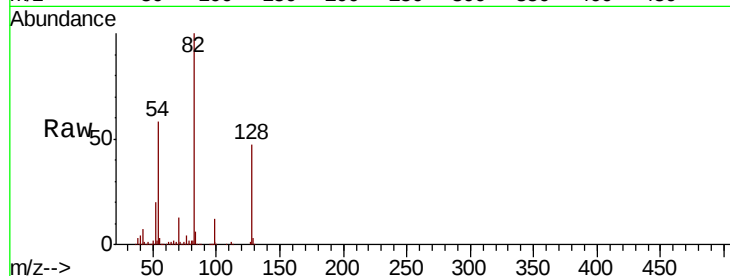




#19
n-Nitroso-di-n-propylamine
Concen: 12.131 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

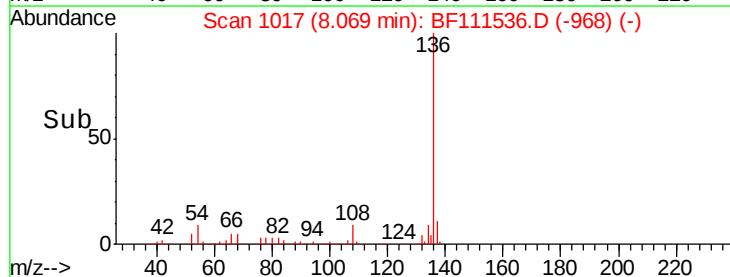
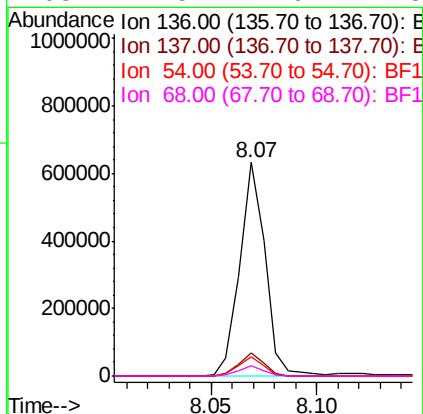
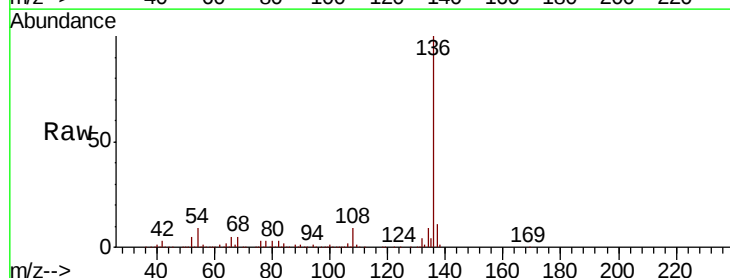
Instrument :
BNA_F
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P001-SS006-0612-01

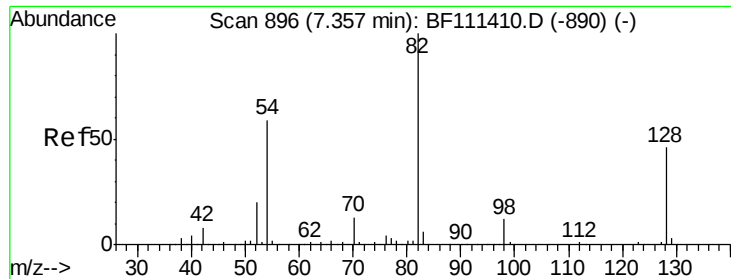
Tgt Ion:	70	Resp:	93155
Ion	Ratio	Lower	Upper
70	100		
42	57.0	53.2	79.8
101	0.0	8.2	12.4#
130	2.5	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

Tgt Ion:	136	Resp:	529102
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	9.1	7.7	11.5
68	4.5	4.9	7.3#

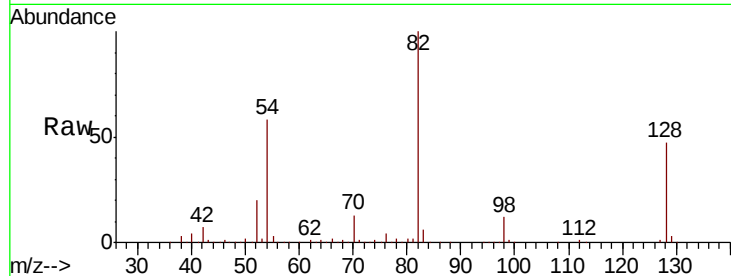




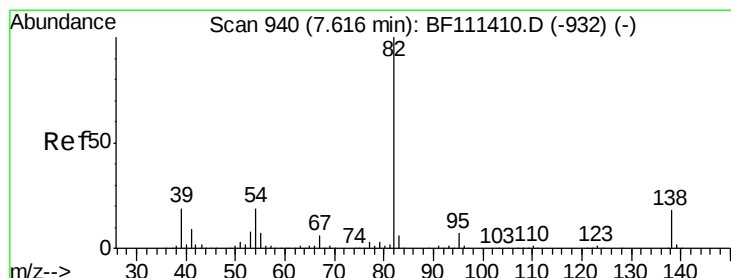
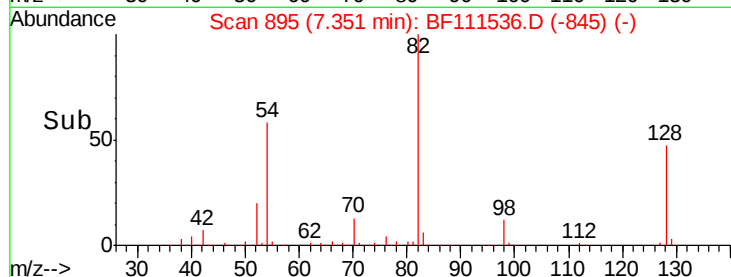
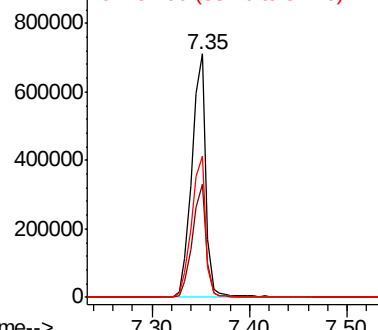
#23
 Nitrobenzene-d5
 Concen: 80.129 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111536.D
 Acq: 17 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0612-01

Tgt Ion: 82 Resp: 711962
 Ion Ratio Lower Upper
 82 100
 128 46.5 37.4 56.2
 54 58.3 47.6 71.4

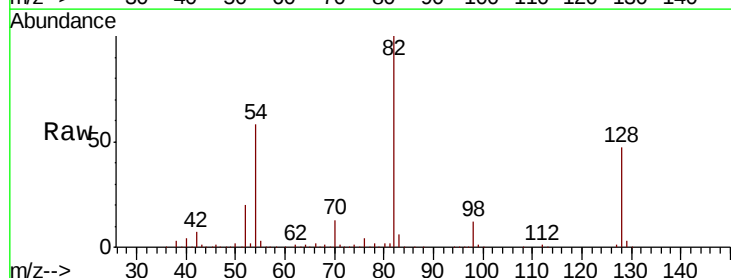


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

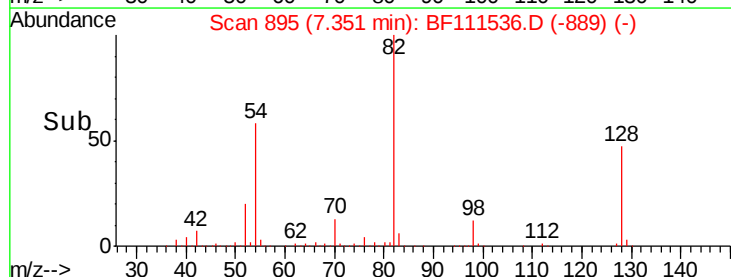
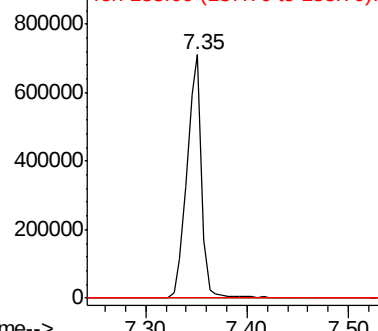


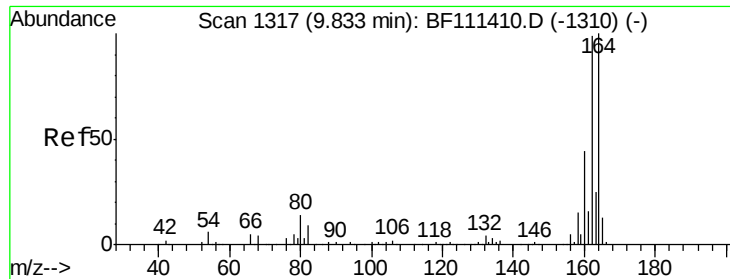
#25
 Isophorone
 Concen: 47.357 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF111536.D
 Acq: 17 Dec 2018 13:44

Tgt Ion: 82 Resp: 711956
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0612-01

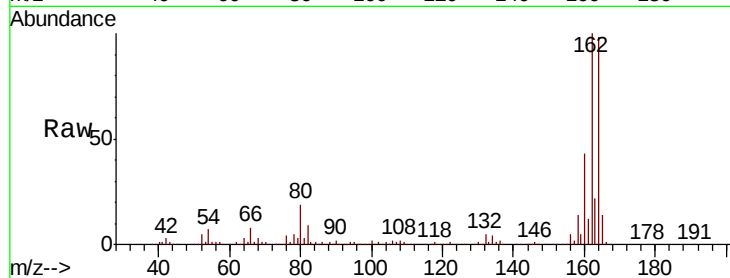
Tgt Ion:164 Resp: 220797

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.0

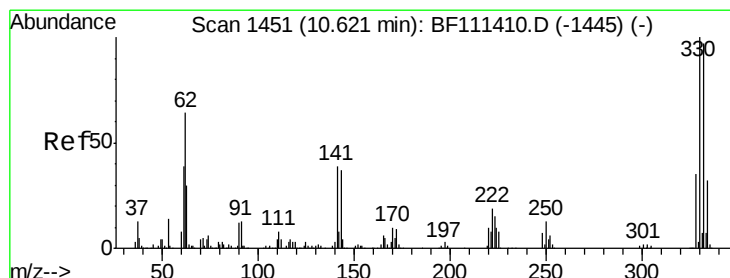
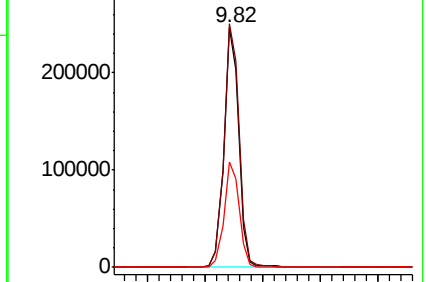
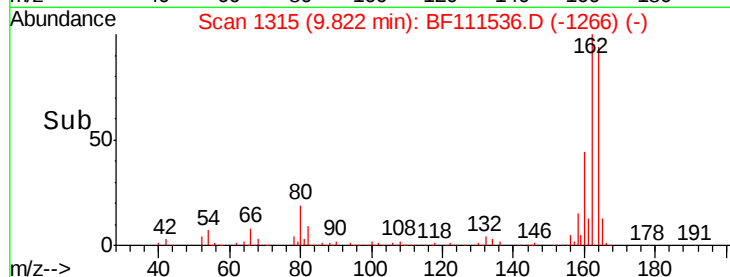
160 44.0 35.7 53.5



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: 92.943 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

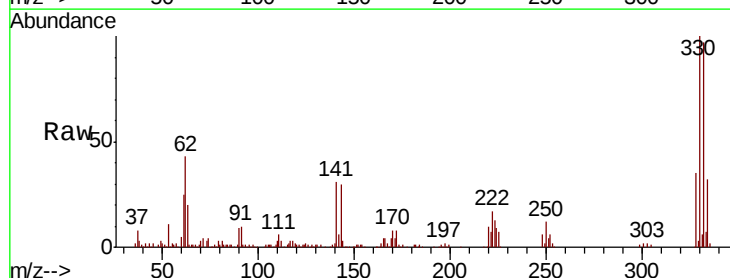
Tgt Ion:330 Resp: 183830

Ion Ratio Lower Upper

330 100

332 97.2 76.0 114.0

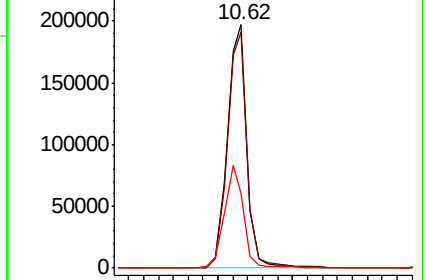
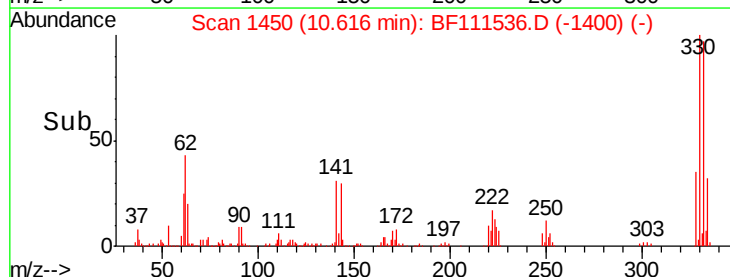
141 41.7 31.0 46.6

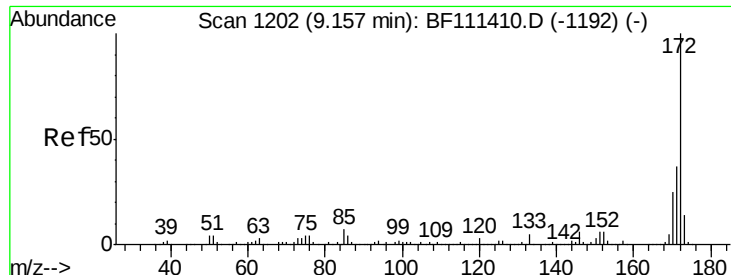


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

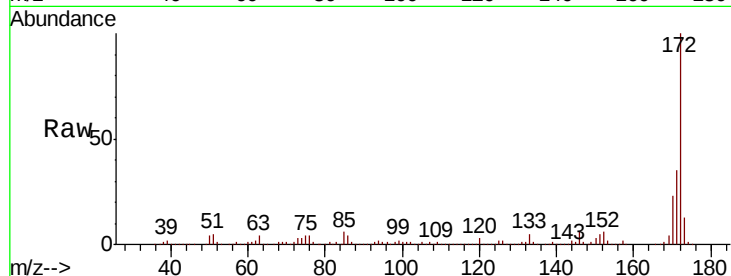




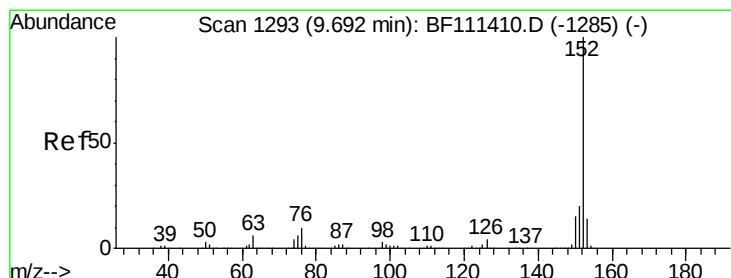
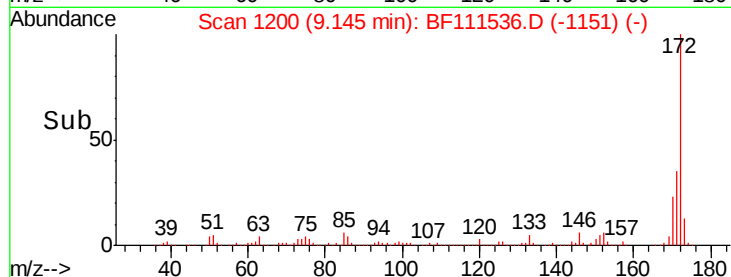
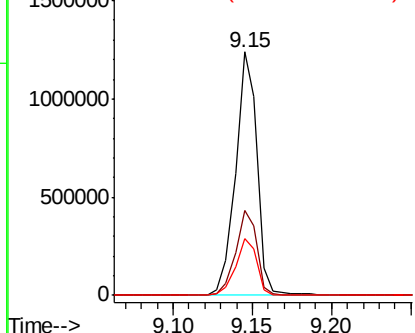
#45
 2-Fluorobiphenyl
 Concen: 81.202 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111536.D
 Acq: 17 Dec 2018 13:44

Instrument :
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 P001-SS006-0612-01

Tgt Ion:172 Resp: 1160739
 Ion Ratio Lower Upper
 172 100
 171 35.1 33.0 49.4
 170 23.2 22.3 33.5

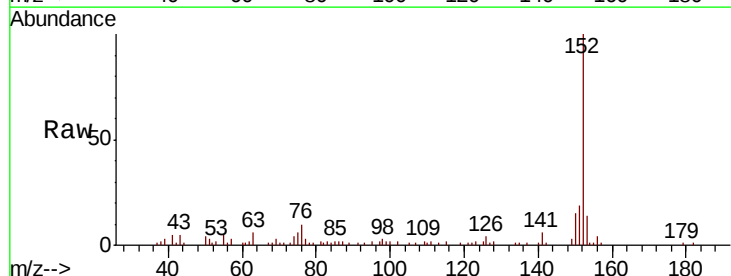


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

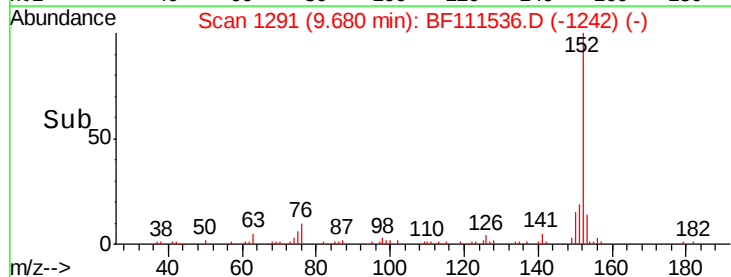
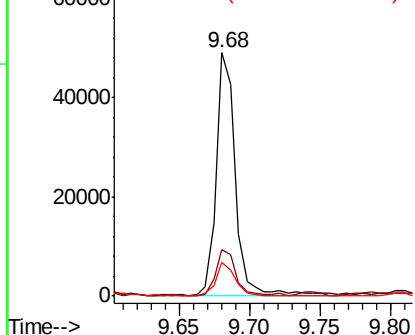


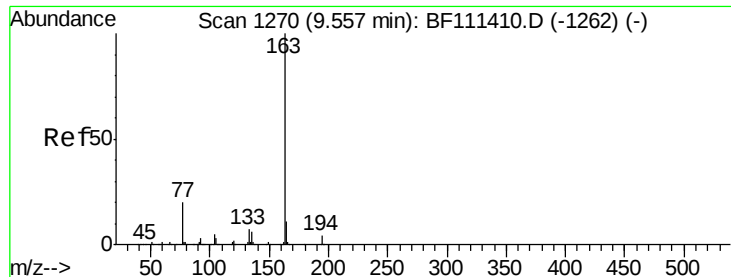
#49
 Acenaphthylene
 Concen: 2.221 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF111536.D
 Acq: 17 Dec 2018 13:44

Tgt Ion:152 Resp: 46887
 Ion Ratio Lower Upper
 152 100
 151 19.2 18.0 27.0
 153 14.0 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

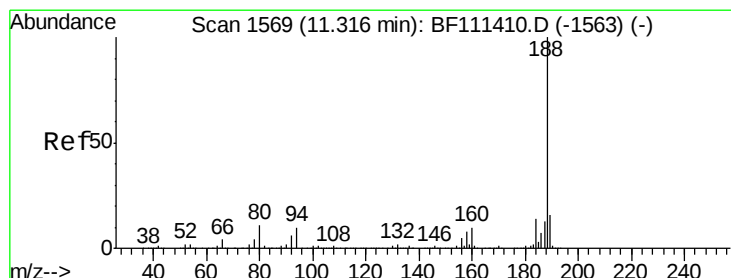
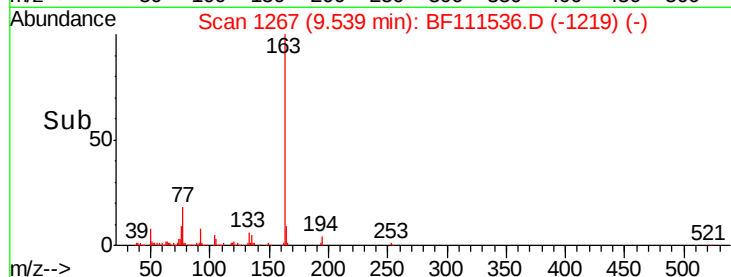
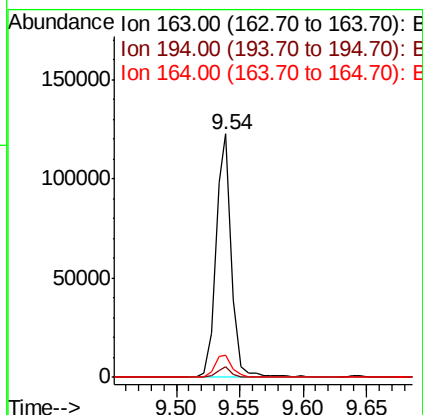
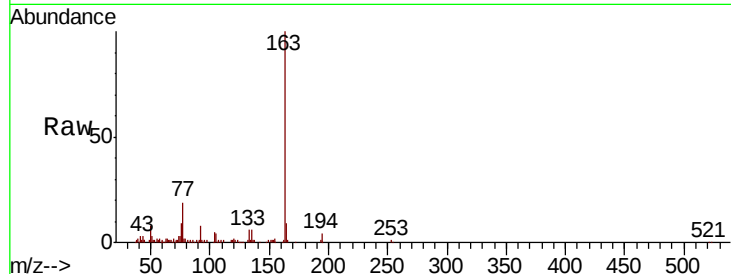




#50
Dimethylphthalate
Concen: 6.651 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

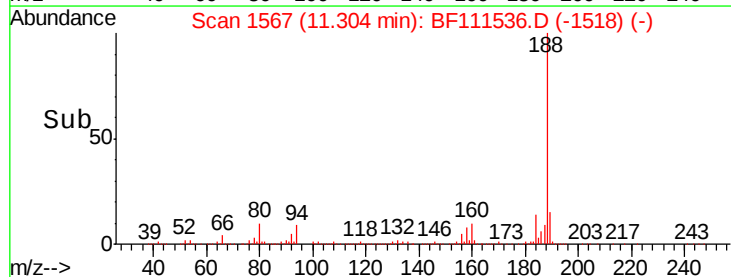
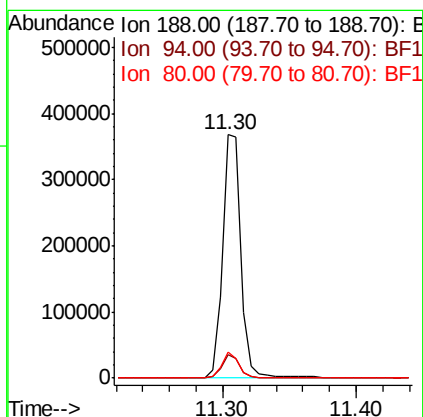
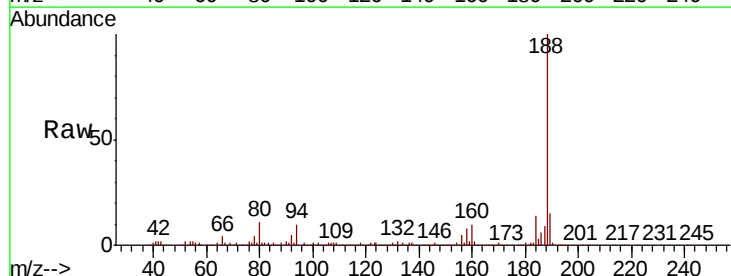
Instrument :
BNA_F
ClientSampleId :
P001-SS006-0612-01

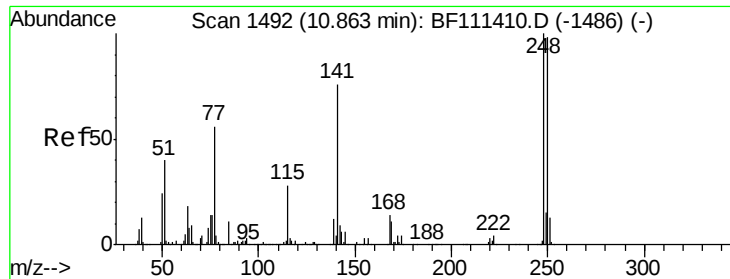
Tgt Ion:163 Resp: 105763
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.0 8.9 13.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

Tgt Ion:188 Resp: 357880
Ion Ratio Lower Upper
188 100
94 9.5 9.6 14.4#
80 10.6 9.8 14.6

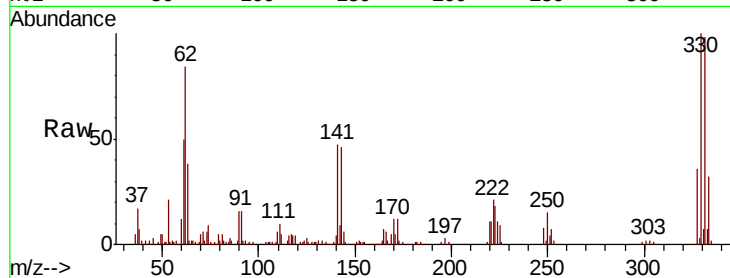




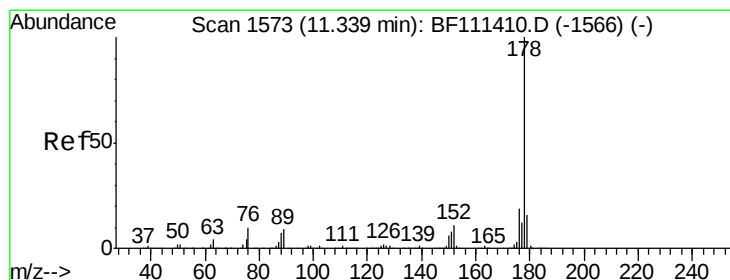
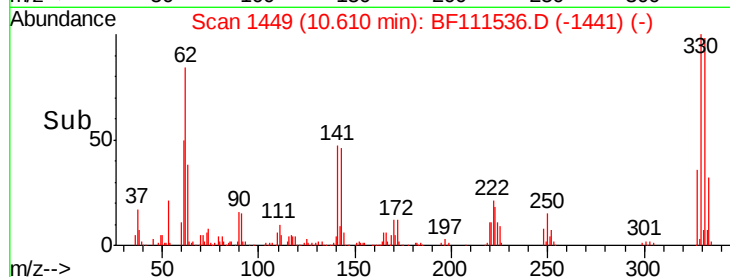
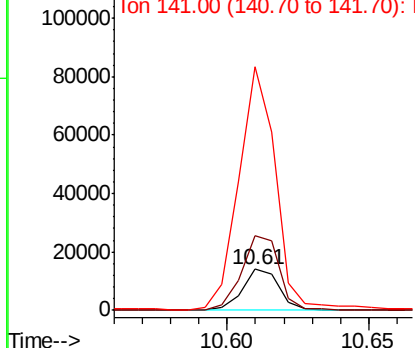
#67
4-Bromophenyl-phenylether
Concen: 3.293 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.25 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0612-01

Tgt Ion:248 Resp: 12700
Ion Ratio Lower Upper
248 100
250 183.8 77.0 115.4#
141 596.4 63.0 94.6#

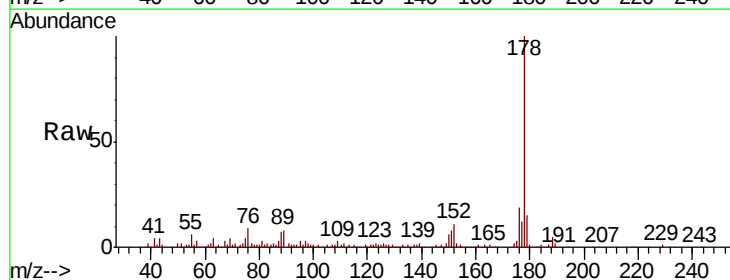


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

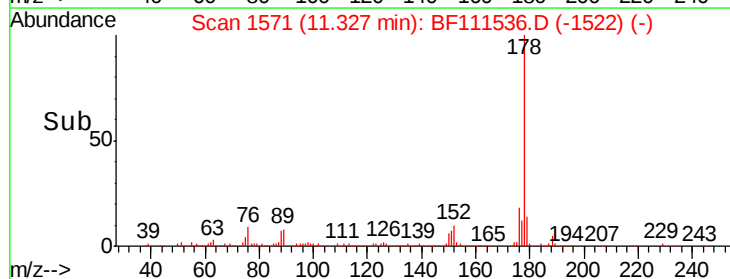
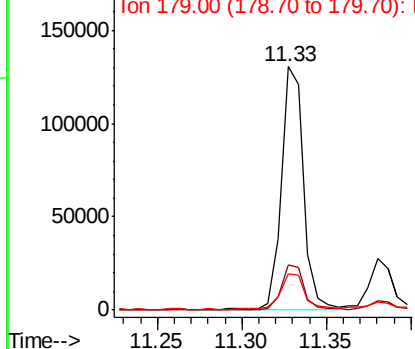


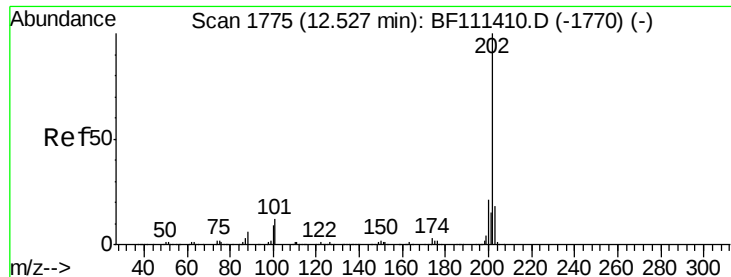
#71
Phenanthrene
Concen: 6.449 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

Tgt Ion:178 Resp: 118922
Ion Ratio Lower Upper
178 100
176 18.6 18.1 27.1
179 14.8 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





#75

Fluoranthene

Concen: 6.478 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

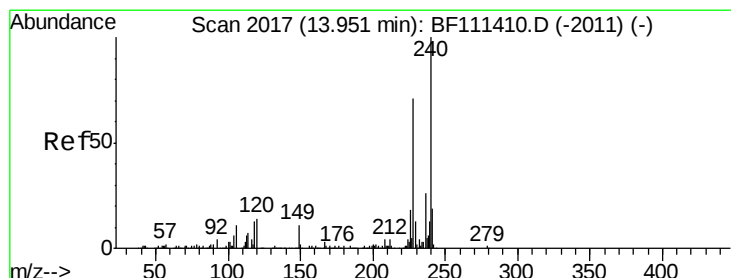
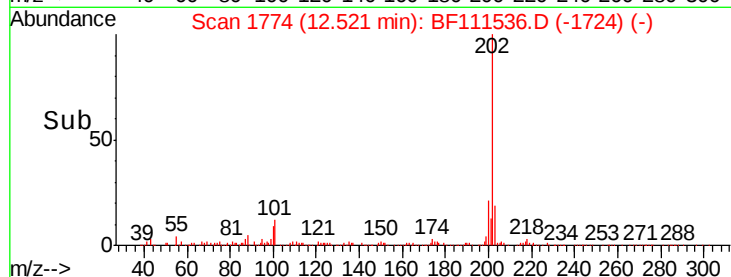
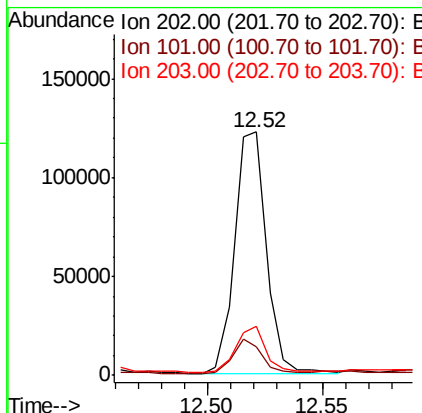
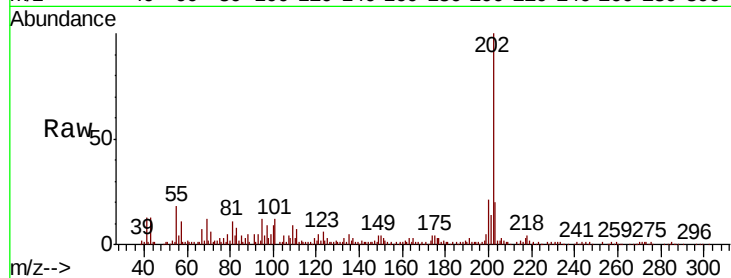
Instrument :

BNA_F

ClientSampleId :

P001-SS006-0612-01

Tgt Ion:	202	Resp:	116871
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.8
203	20.2	0.0	38.6



#76

Chrysene-d12

Concen: 20.000 ng

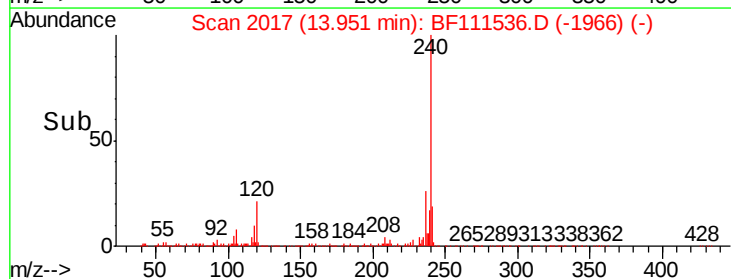
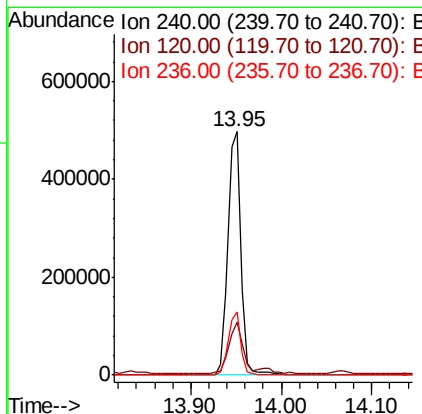
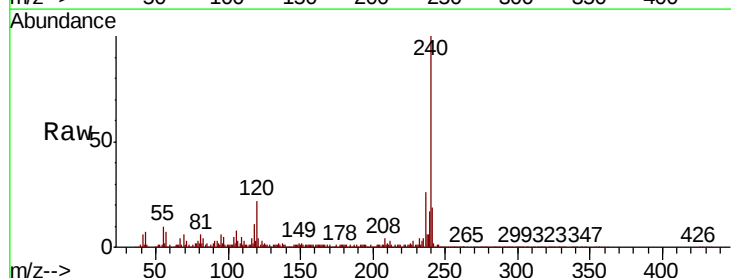
RT: 13.95 min Scan# 2017

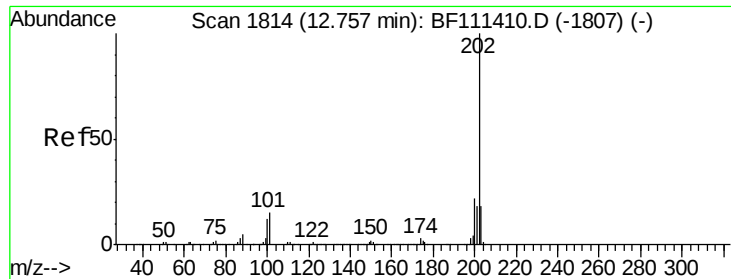
Delta R.T. 0.00 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

Tgt Ion:	240	Resp:	490258
Ion	Ratio	Lower	Upper
240	100		
120	22.0	12.2	18.2#
236	25.9	20.2	30.2

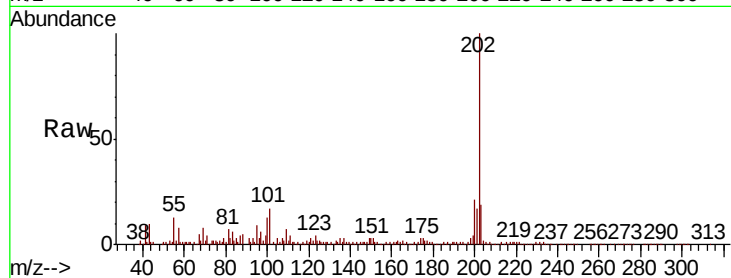




#78
 Pyrene
 Concen: 5.949 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF111536.D
 Acq: 17 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0612-01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	19.0	28.4
203	18.8	15.2	22.8

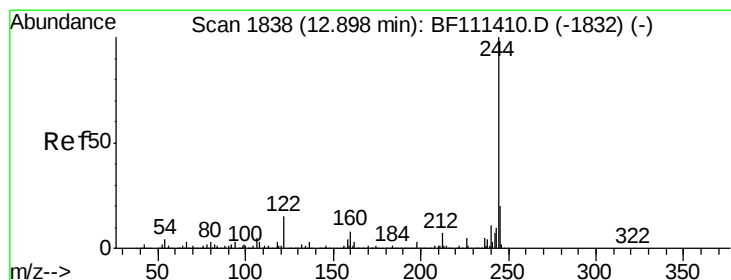
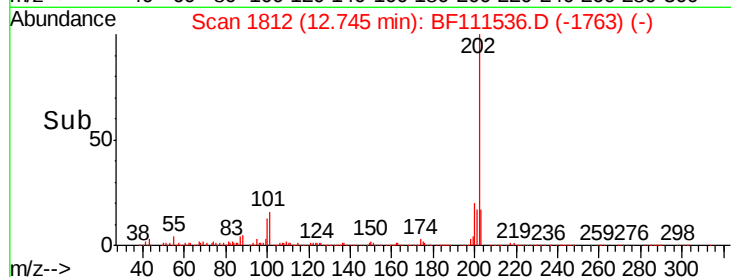
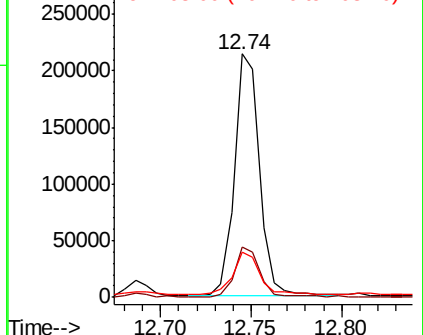


Abundance

Ion 202.00 (201.70 to 202.70): E

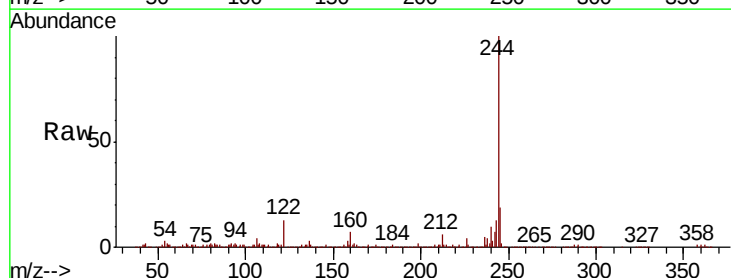
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
 Terphenyl-d14
 Concen: 58.555 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF111536.D
 Acq: 17 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.7	8.5
122	12.8	13.1	19.7

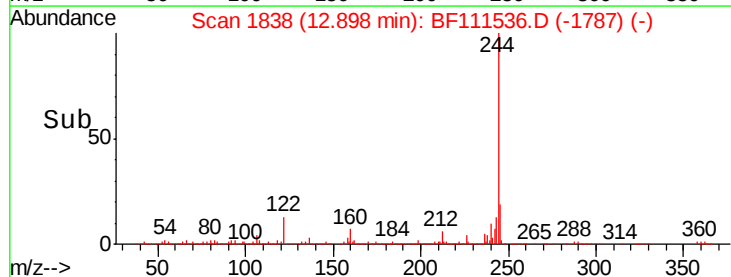
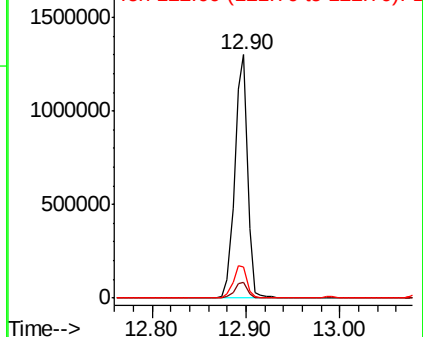


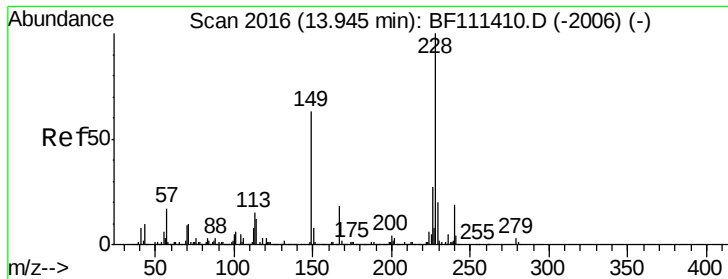
Abundance

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

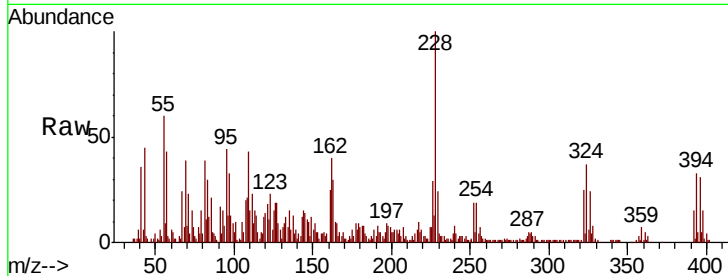




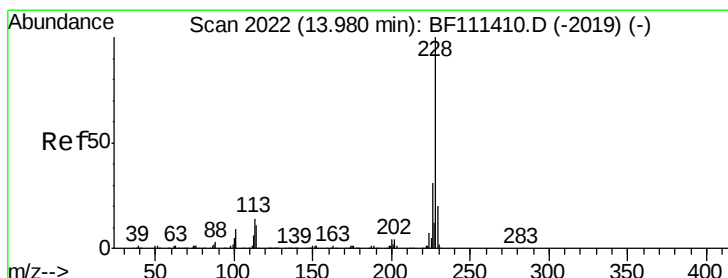
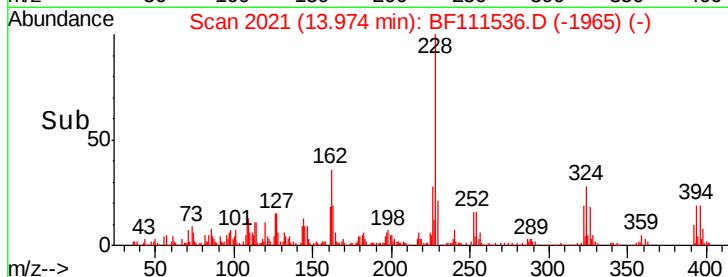
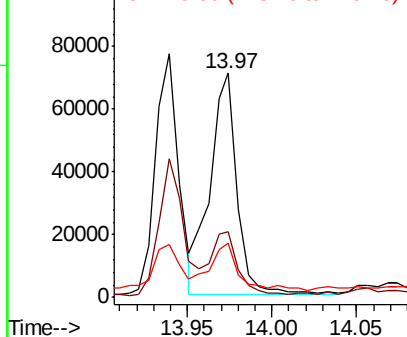
#81
Benzo(a)anthracene
Concen: 2.967 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.03 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0612-01

Tgt Ion: 228 Resp: 79085
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 24.4 16.3 24.5

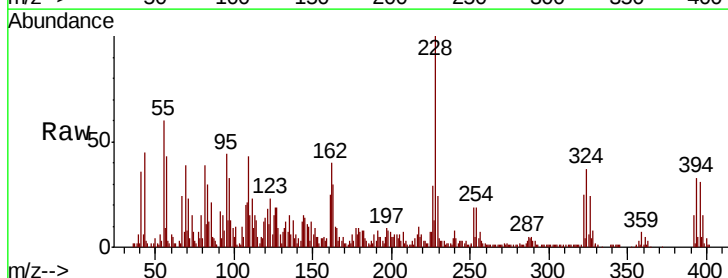


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

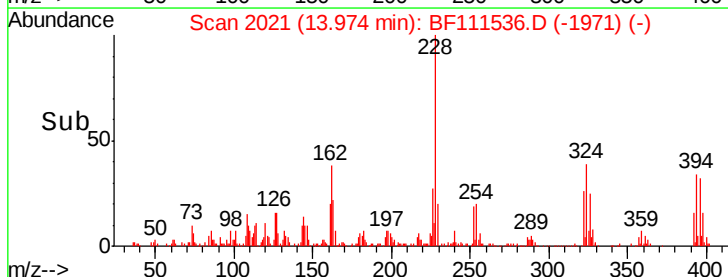
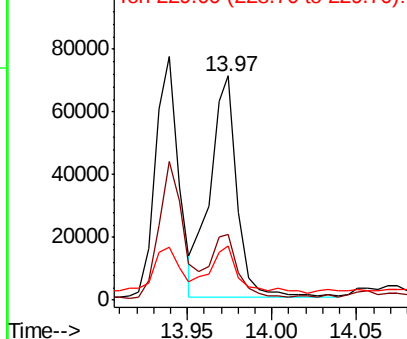


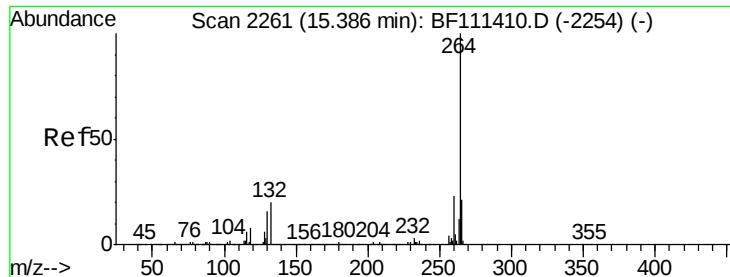
#83
Chrysene
Concen: 2.835 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111536.D
Acq: 17 Dec 2018 13:44

Tgt Ion: 228 Resp: 79603
Ion Ratio Lower Upper
228 100
226 29.1 25.3 37.9
229 24.4 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





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0612-01

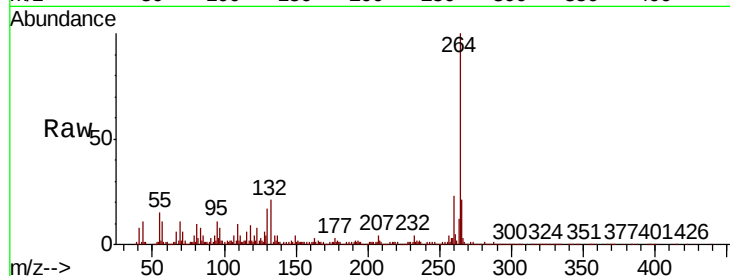
Tgt Ion:264 Resp: 421128

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

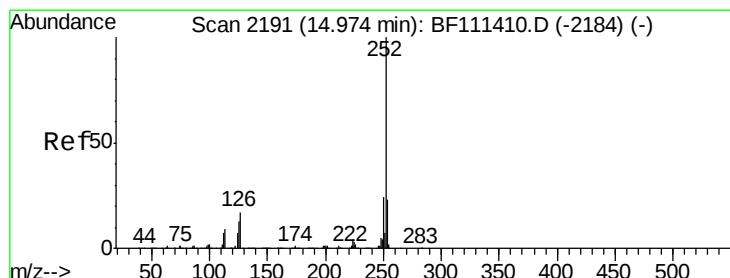
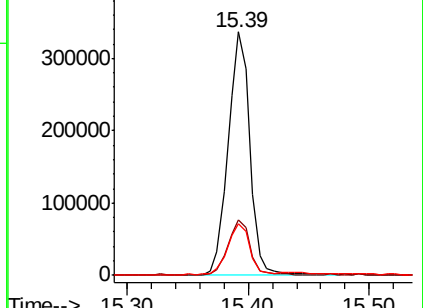
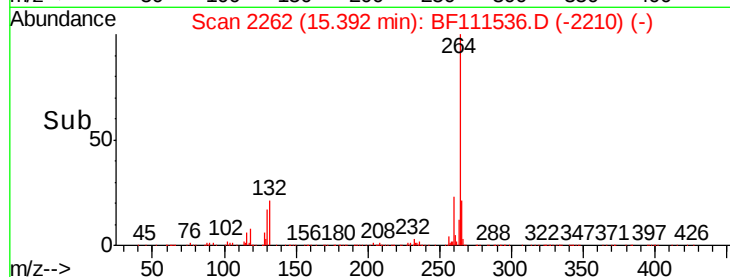
265 21.0 17.7 26.5



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: 3.579 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

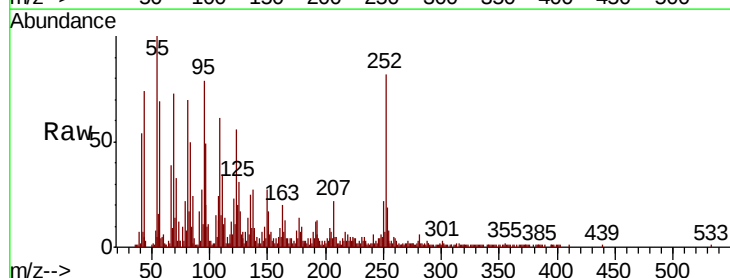
Tgt Ion:252 Resp: 87868

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

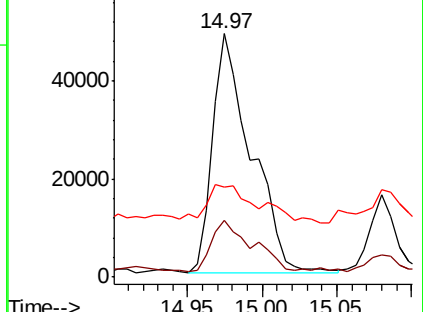
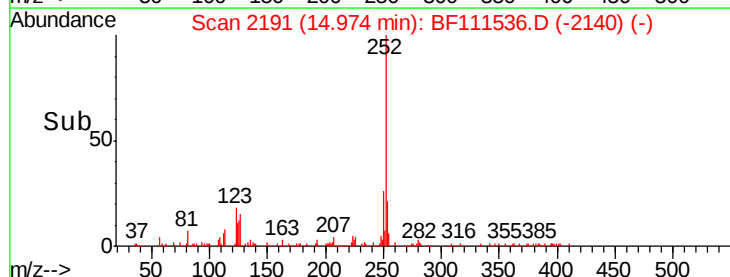
125 37.2 10.4 15.6#

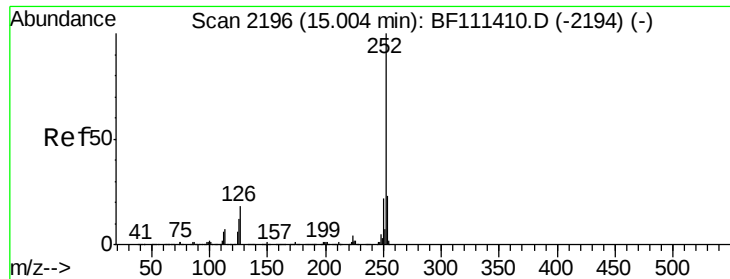


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.745 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0612-01

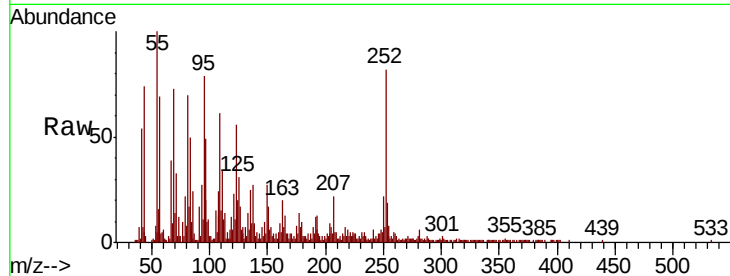
Tgt Ion:252 Resp: 87868

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 37.2 9.8 14.8#

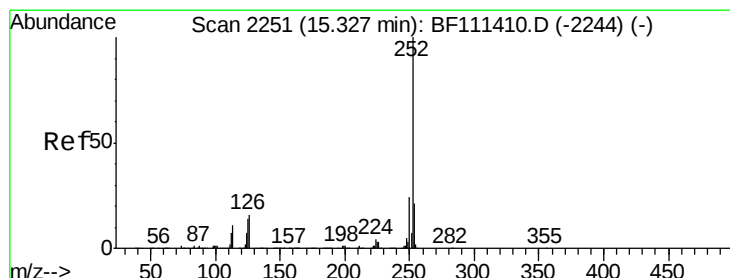
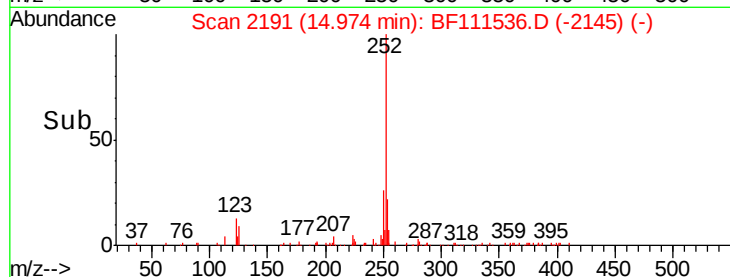
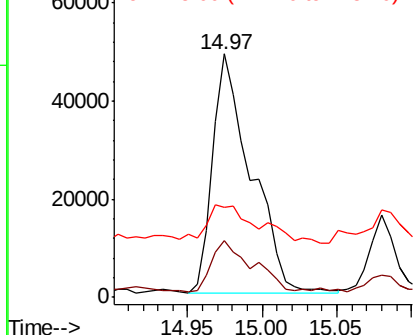


Abundance

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: 3.185 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111536.D

Acq: 17 Dec 2018 13:44

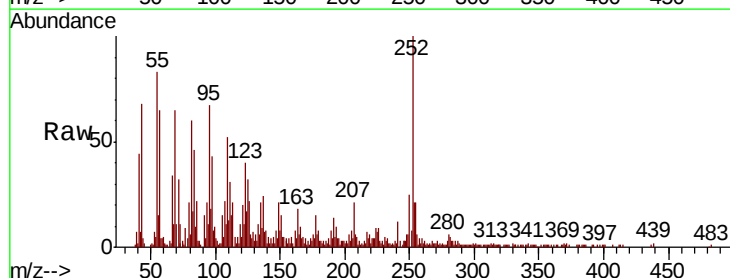
Tgt Ion:252 Resp: 70513

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.8

125 31.5 12.3 18.5#

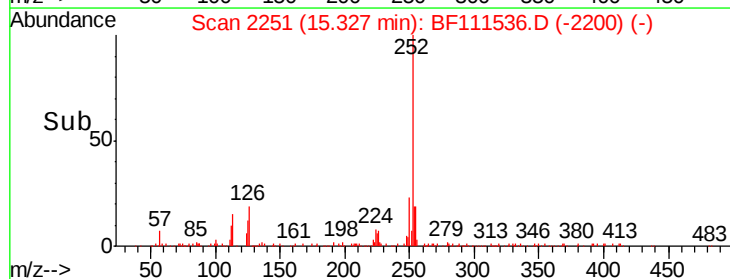
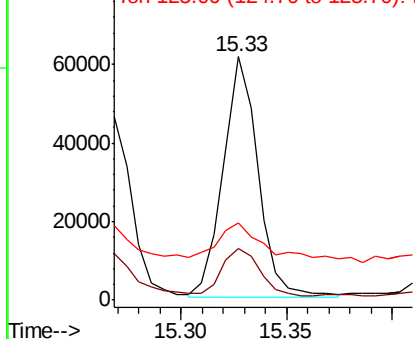


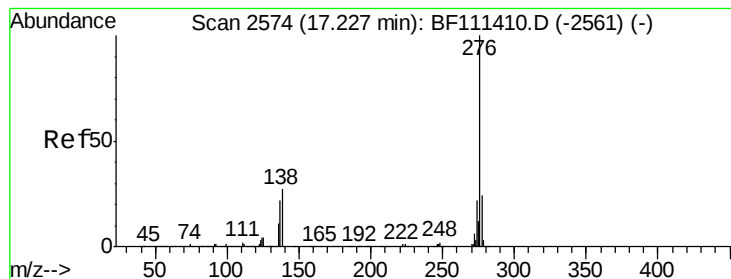
Abundance

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





#92

Benzo(g,h,i)perylene

Concen: 2.397 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BF111536.D

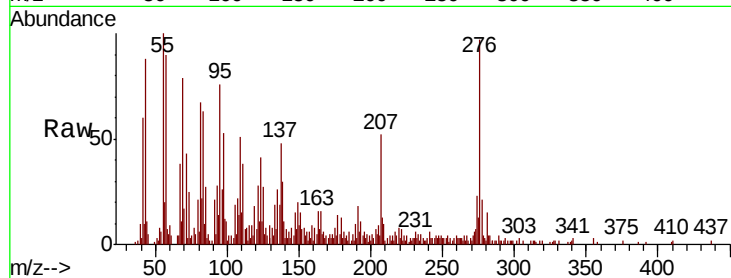
Acq: 17 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0612-01



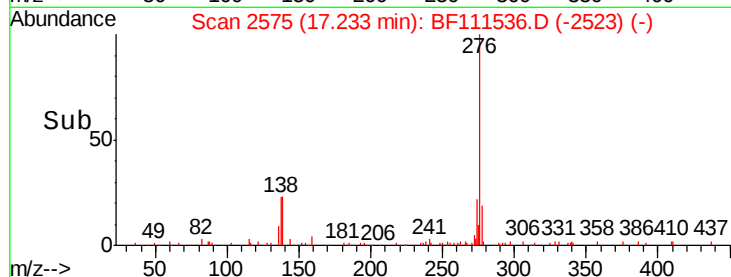
Tgt Ion: 276 Resp: 41095

Ion Ratio Lower Upper

276 100

277 22.0 19.2 28.8

138 30.9 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

