

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111552.D
 Acq On : 17 Dec 2018 21:21
 Operator : JU/SJ
 Sample : J6403-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-B

Quant Time: Dec 18 04:12:00 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	134014	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	809196	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	364049	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	566223	20.00	ng	0.00
76) Chrysene-d12	13.94	240	374802	20.00	ng	0.00
87) Perylene-d12	15.39	264	390806	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	961330	119.37	ng	0.00
7) Phenol-d6	6.44	99	1064014	99.32	ng	0.00
23) Nitrobenzene-d5	7.35	82	702630	51.71	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	297382	91.19	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1582184	67.13	ng	-0.01
79) Terphenyl-d14	12.89	244	1083744	67.90	ng	0.00

Target Compounds

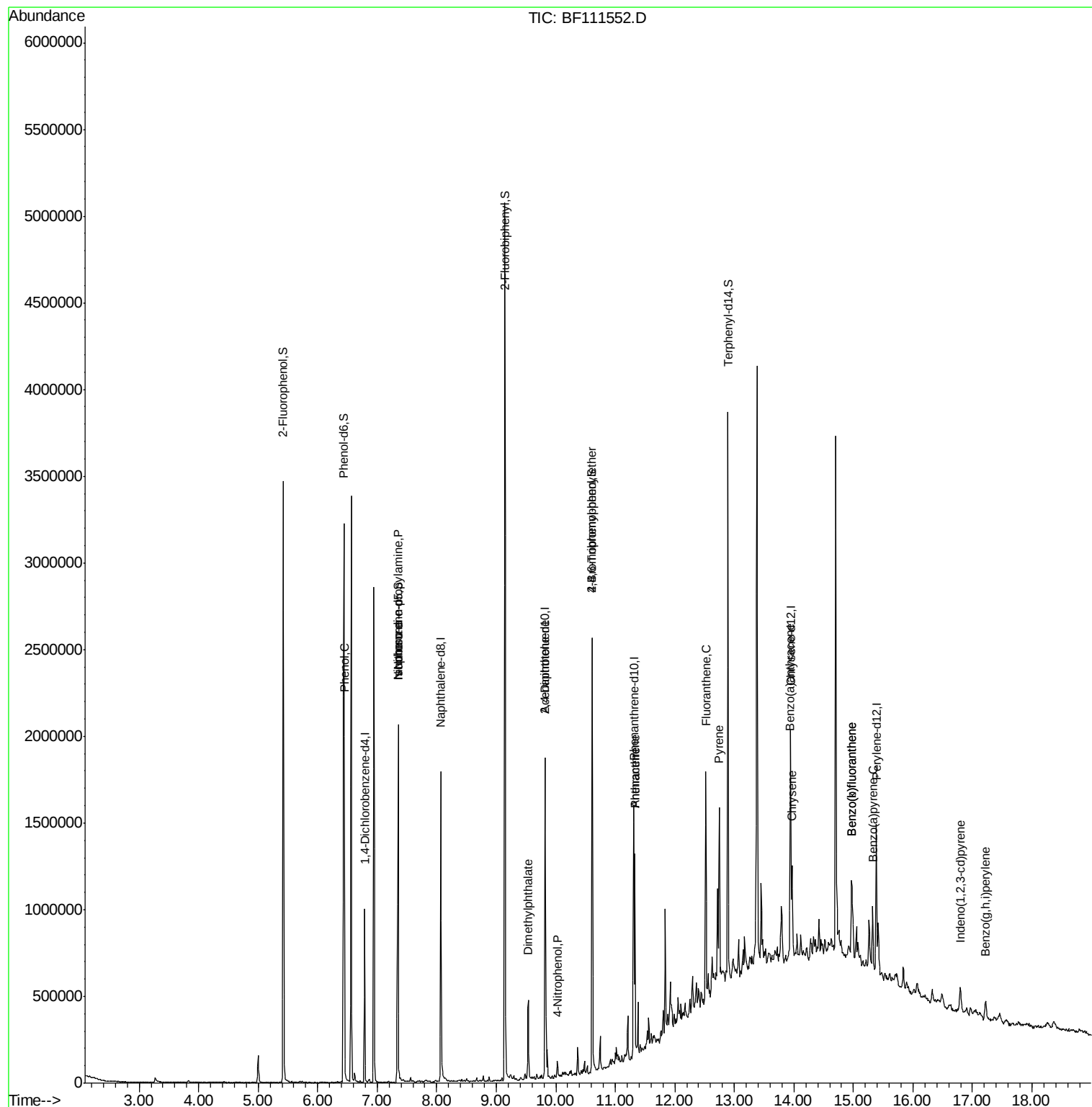
						Qvalue
10) Phenol	6.45	94	68671	5.755	ng	95
19) n-Nitroso-di-n-propylamine	7.35	70	92907	13.146	ng	# 80
25) Isophorone	7.35	82	702621	30.559	ng	# 64
50) Dimethylphthalate	9.54	163	191700	7.312	ng	97
56) 4-Nitrophenol	10.03	139	10260	2.068	ng	# 15
57) 2,4-Dinitrotoluene	9.82	165	47760	6.166	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	19085	3.127	ng	# 1
71) Phenanthrene	11.33	178	448914	15.386	ng	93
72) Anthracene	11.33	178	448914	15.045	ng	95
75) Fluoranthene	12.52	202	504087	17.660	ng	97
78) Pyrene	12.75	202	446733	16.906	ng	94
81) Benzo(a)anthracene	13.93	228	212169	10.411	ng	99
83) Chrysene	13.97	228	193382	9.008	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	89595	5.782	ng	92
88) Benzo(b)fluoranthene	14.97	252	325166	14.271	ng	# 97
89) Benzo(k)fluoranthene	14.97	252	325166	14.936	ng	# 96
90) Benzo(a)pyrene	15.32	252	180421	8.781	ng	97
92) Benzo(g,h,i)perylene	17.22	276	82517	5.187	ng	98

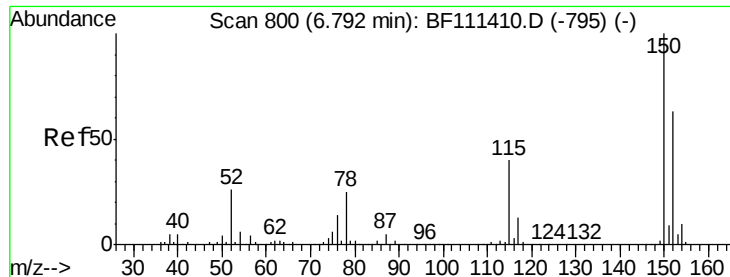
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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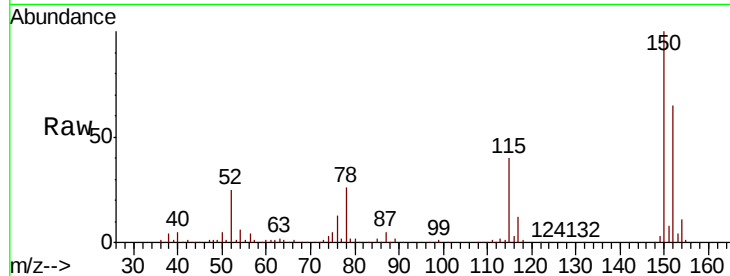


#1

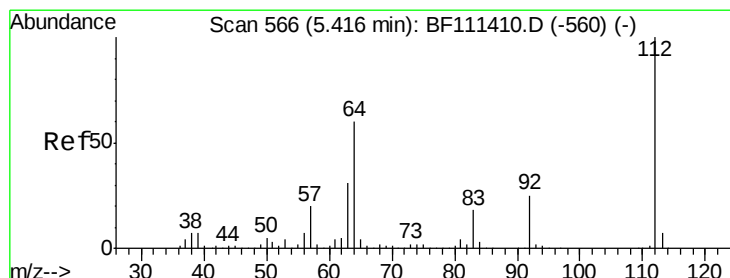
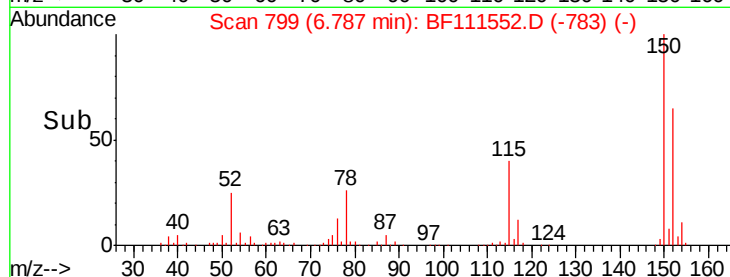
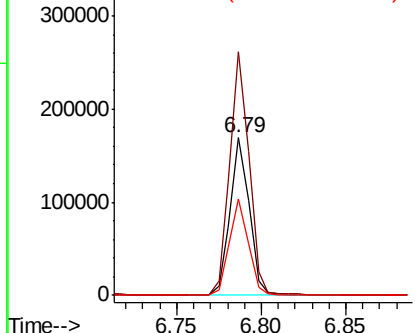
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

Instrument :
BNA_F
ClientSampleId :
TP-2-B

Tgt Ion:152 Resp: 134014
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 61.5 50.7 76.1



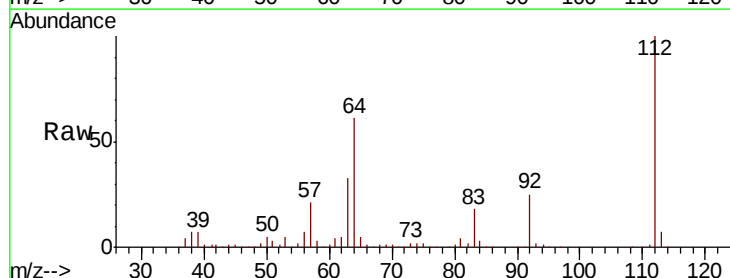
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



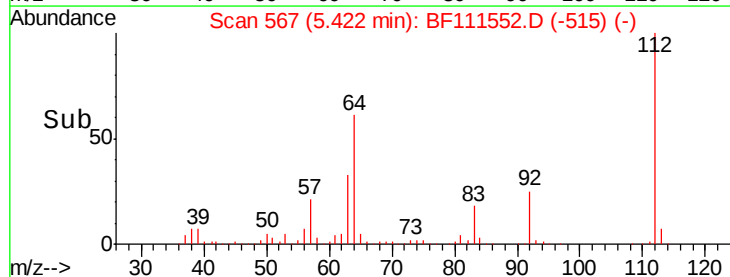
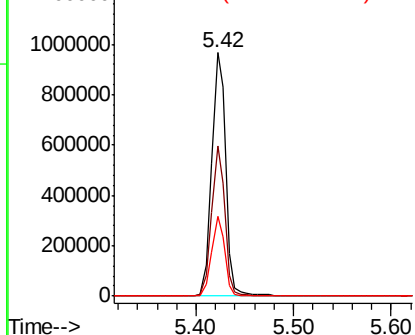
#5

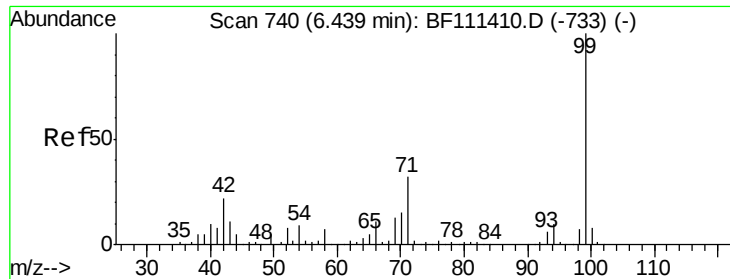
2-Fluorophenol
Concen: 119.369 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

Tgt Ion:112 Resp: 961330
Ion Ratio Lower Upper
112 100
64 61.4 51.8 77.6
63 32.7 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: 99.325 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

Instrument :

BNA_F

ClientSampleID :

TP-2-B

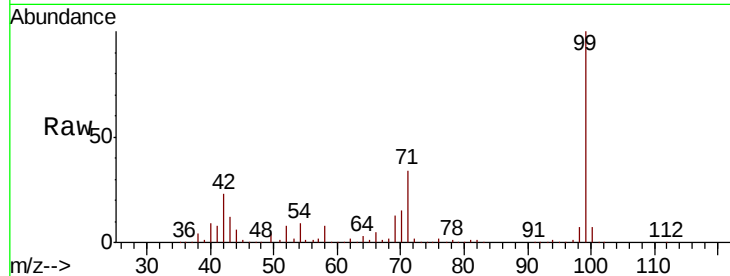
Tgt Ion: 99 Resp: 1064014

Ion Ratio Lower Upper

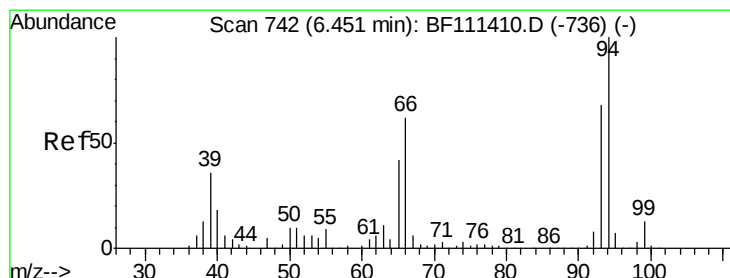
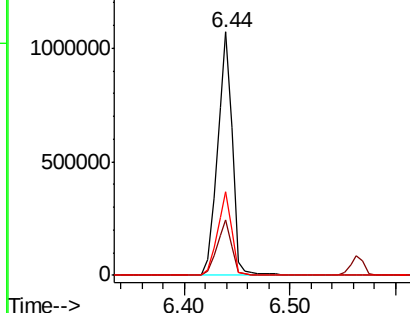
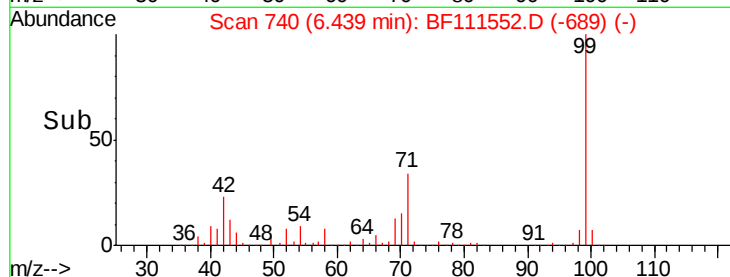
99 100

42 22.9 17.4 26.0

71 34.4 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: 5.755 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

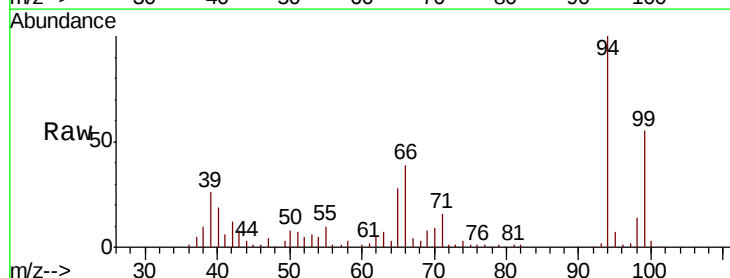
Tgt Ion: 94 Resp: 68671

Ion Ratio Lower Upper

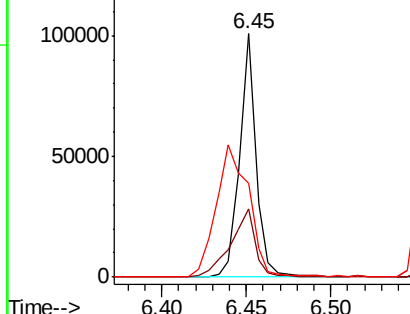
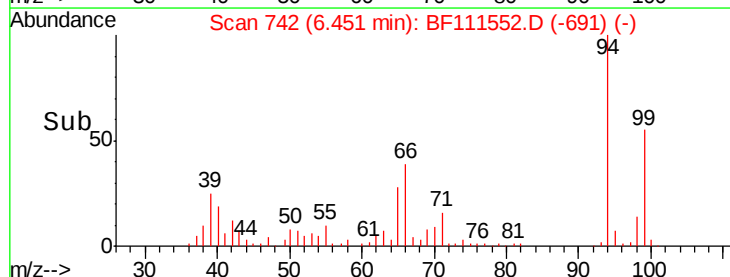
94 100

65 28.2 11.7 51.7

66 38.7 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

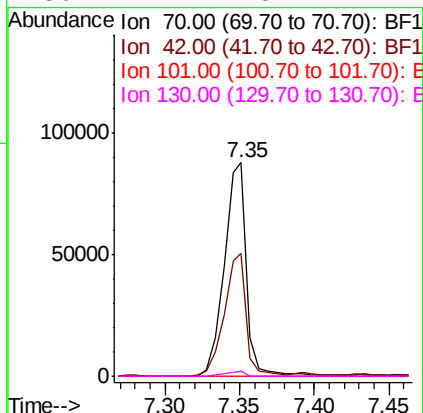
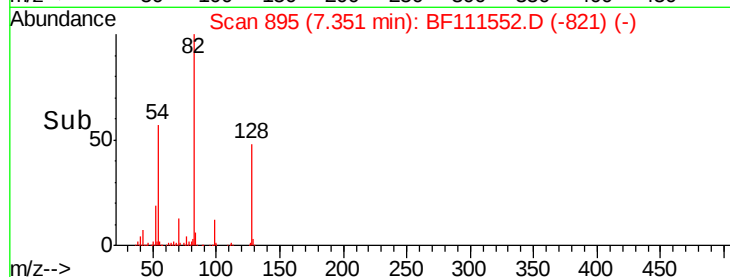
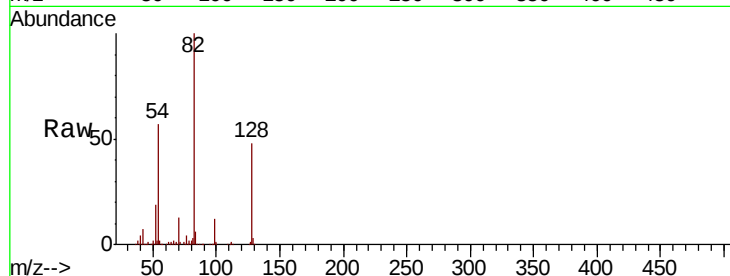




#19
n-Nitroso-di-n-propylamine
Concen: 13.146 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

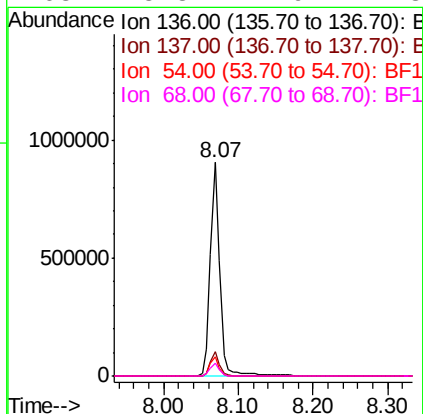
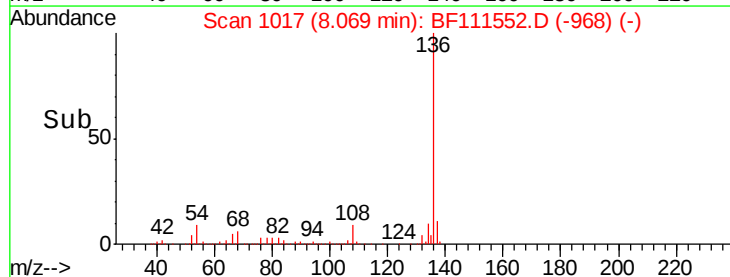
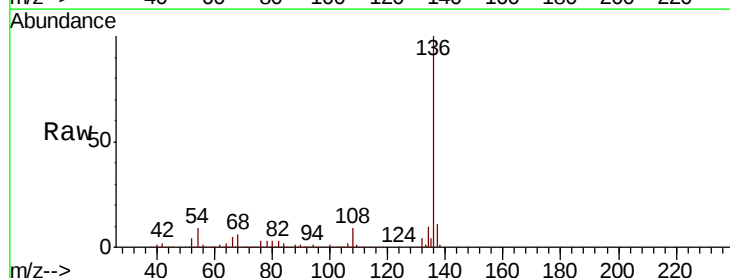
Instrument :
BNA_F
ClientSampleId :
TP-2-B

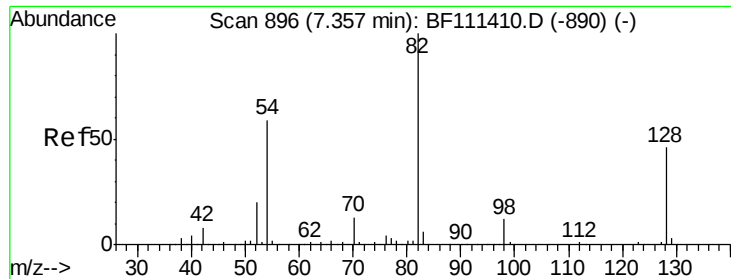
Tgt Ion: 70 Resp: 92907
Ion Ratio Lower Upper
70 100
42 57.3 53.2 79.8
101 0.0 8.2 12.4#
130 2.4 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

Tgt Ion: 136 Resp: 809196
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.8 7.7 11.5
68 5.8 4.9 7.3

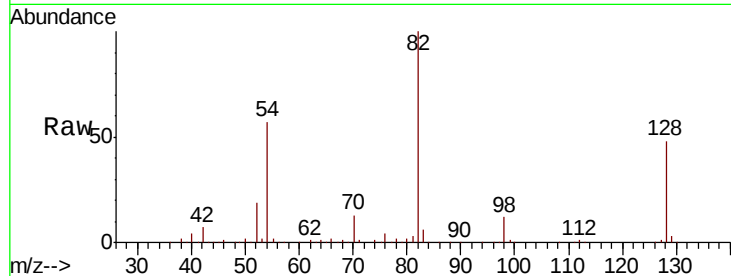




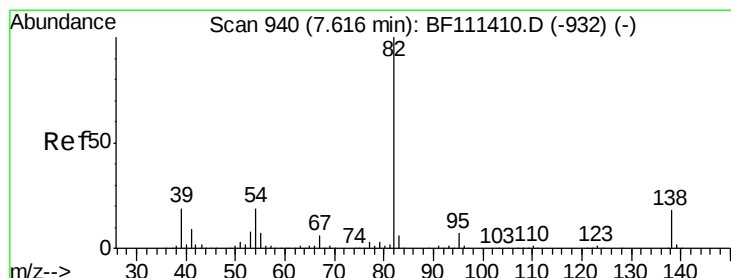
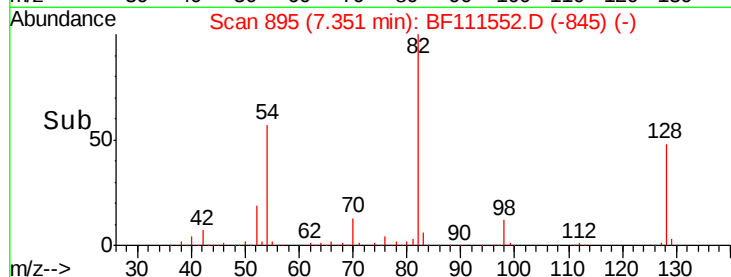
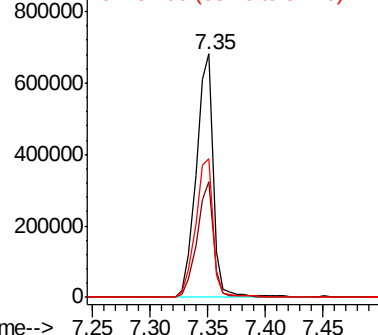
#23
 Nitrobenzene-d5
 Concen: 51.706 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-B

Tgt Ion: 82 Resp: 702630
 Ion Ratio Lower Upper
 82 100
 128 47.6 37.4 56.2
 54 57.2 47.6 71.4

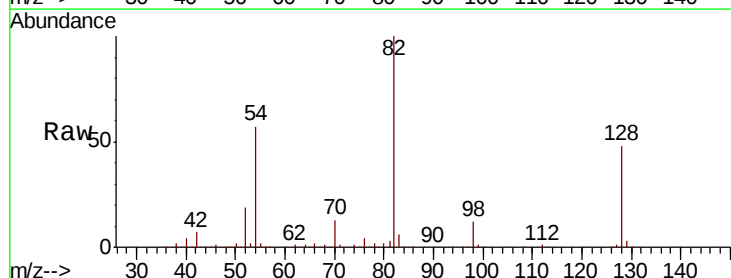


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

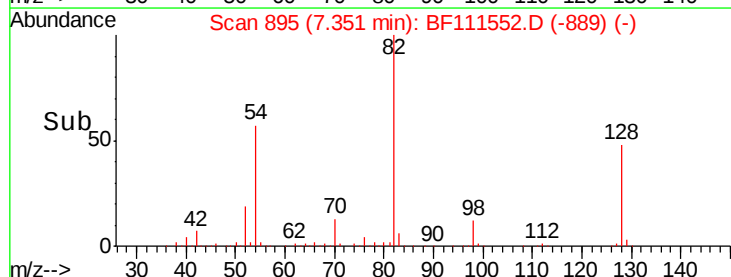
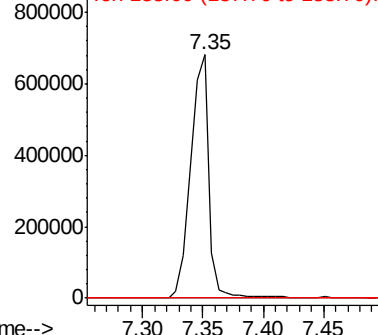


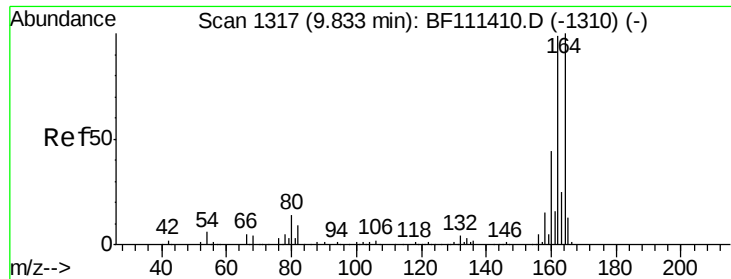
#25
 Isophorone
 Concen: 30.559 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

Tgt Ion: 82 Resp: 702621
 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

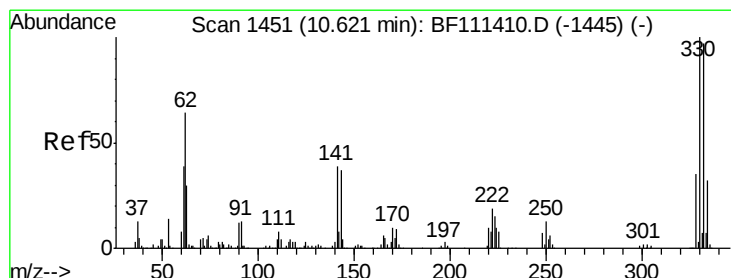
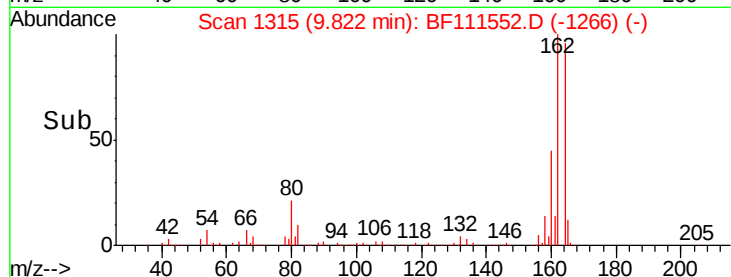
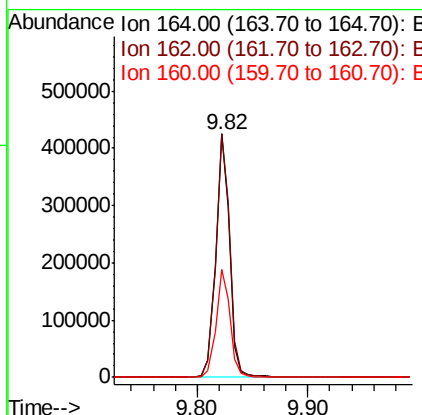
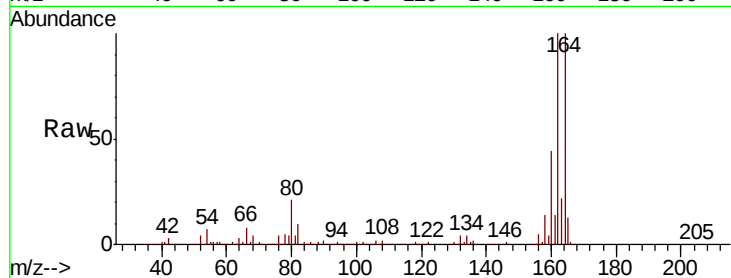




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

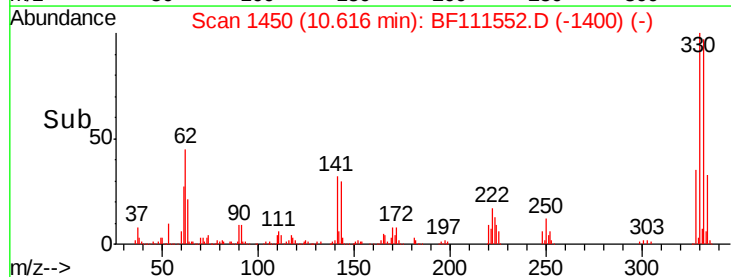
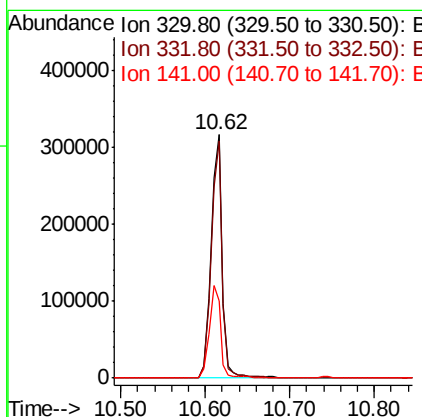
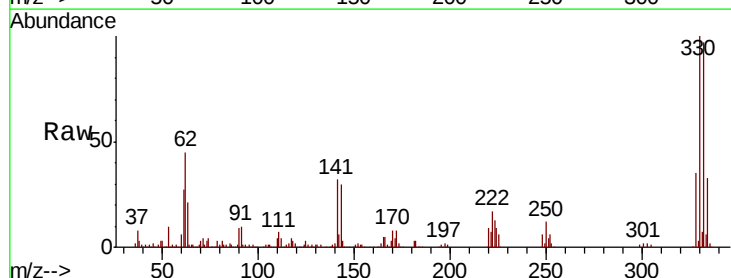
Instrument :
 BNA_F
 ClientSampled :
 TP-2-B

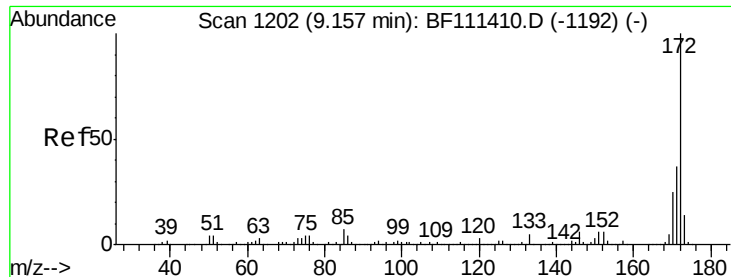
Tgt Ion:164 Resp: 364049
 Ion Ratio Lower Upper
 164 100
 162 99.8 81.4 122.0
 160 44.4 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 91.191 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

Tgt Ion:330 Resp: 297382
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.0 114.0
 141 38.7 31.0 46.6

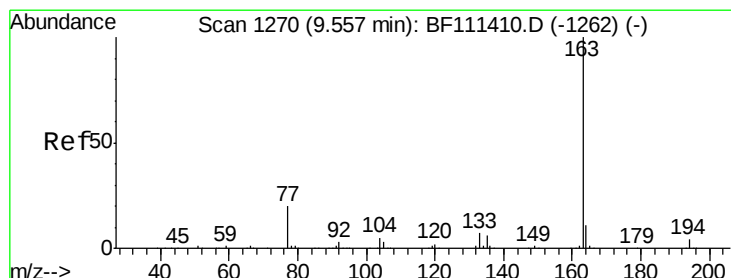
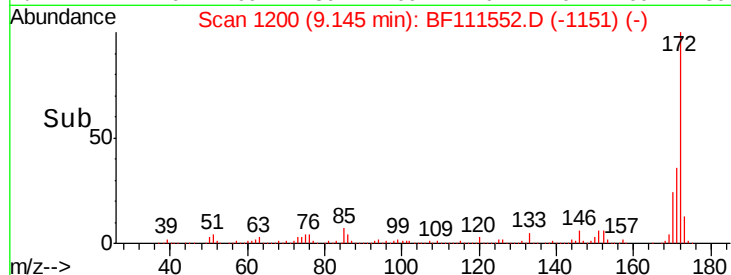
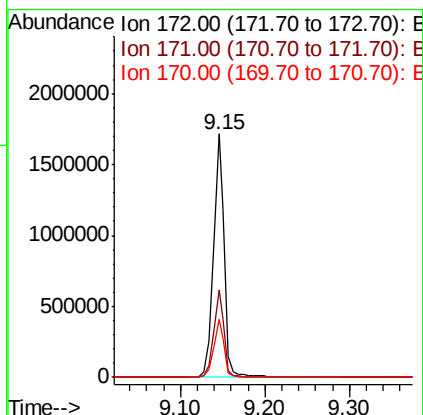
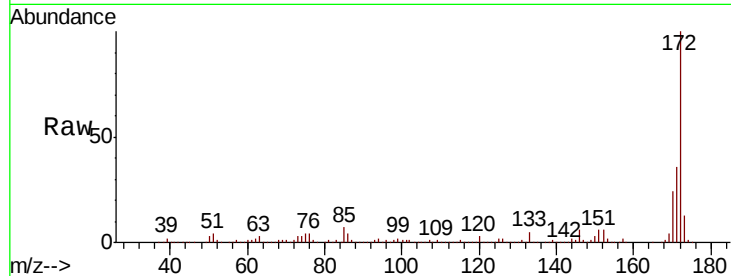




#45
 2-Fluorobiphenyl
 Concen: 67.131 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

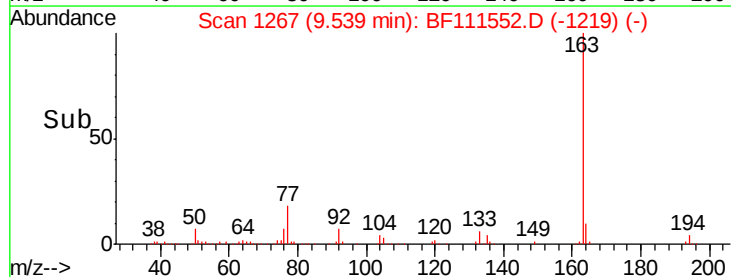
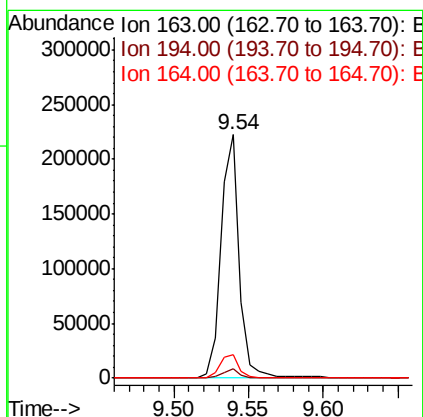
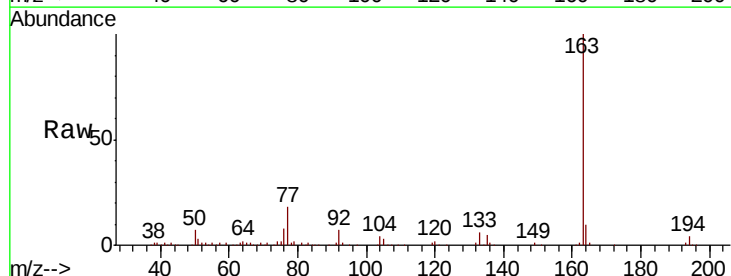
Instrument :
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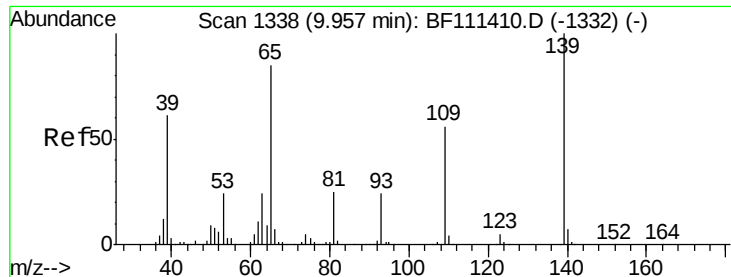
Tgt Ion:172 Resp: 1582184
 Ion Ratio Lower Upper
 172 100
 171 36.0 33.0 49.4
 170 23.9 22.3 33.5



#50
 Dimethylphthalate
 Concen: 7.312 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

Tgt Ion:163 Resp: 191700
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.6
 164 9.6 8.9 13.3

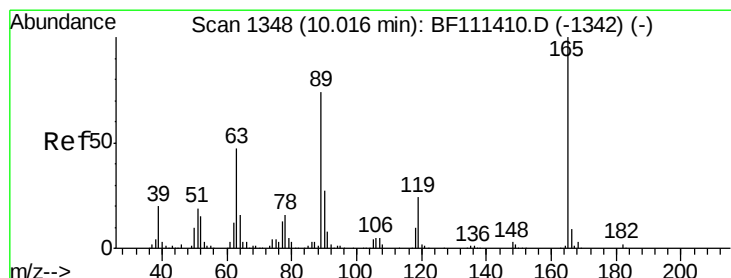
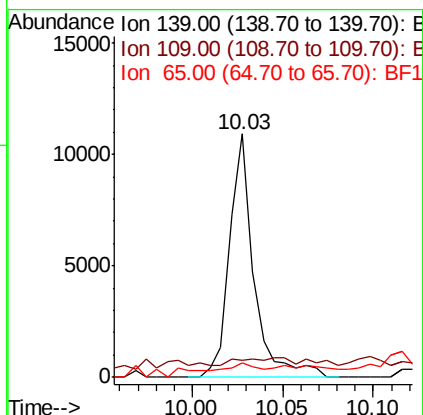
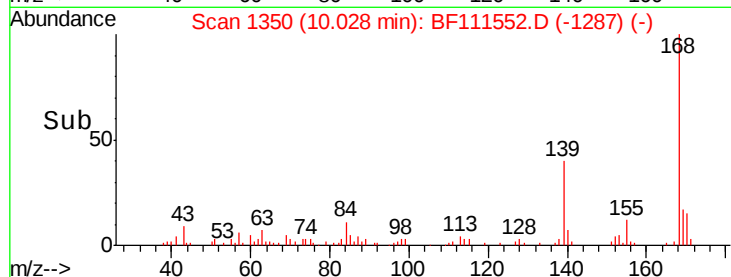
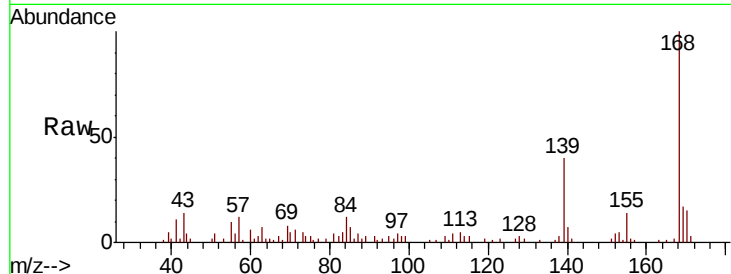




#56
4-Nitrophenol
Concen: 2.068 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.07 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

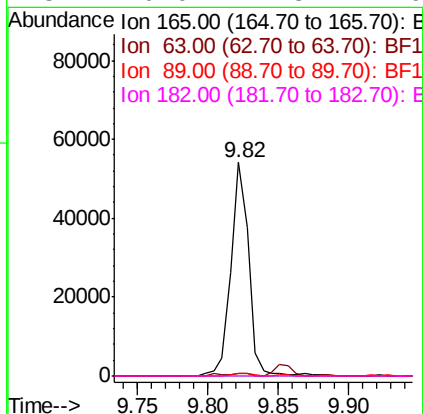
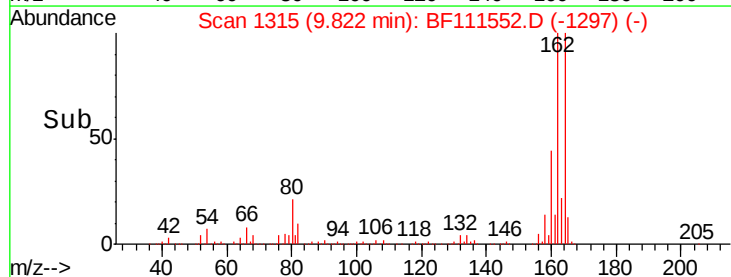
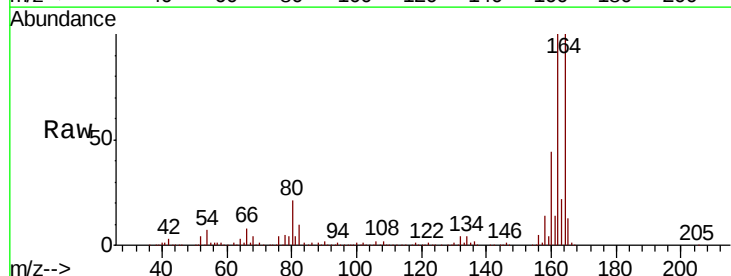
Instrument :
BNA_F
ClientSampleId :
TP-2-B

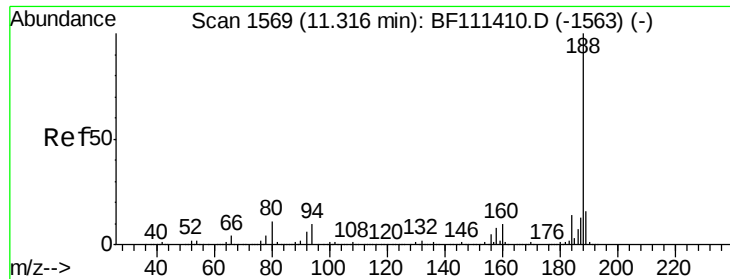
Tgt Ion	Ratio	Lower	Upper
139	100		
109	7.0	41.8	81.8#
65	5.9	79.6	119.6#



#57
2,4-Dinitrotoluene
Concen: 6.166 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.6	52.0#
89	1.3	56.2	84.4#
182	0.0	1.8	2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

Instrument :

BNA_F

ClientSampleId :

TP-2-B

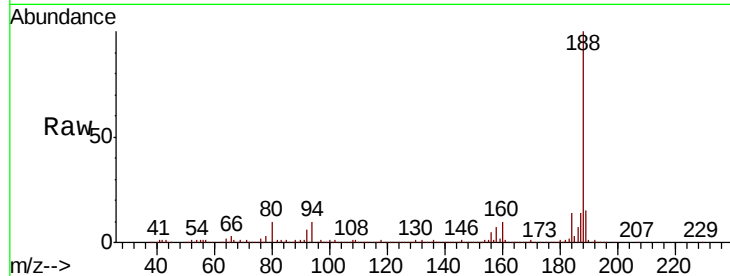
Tgt Ion:188 Resp: 566223

Ion Ratio Lower Upper

188 100

94 9.8 9.6 14.4

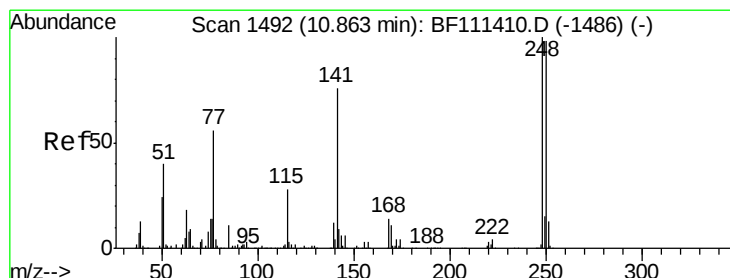
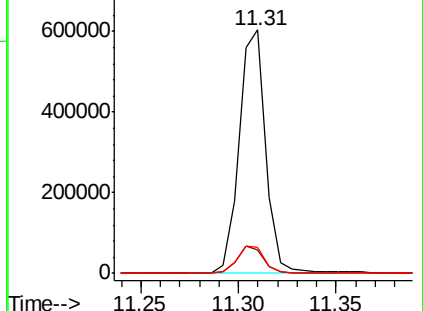
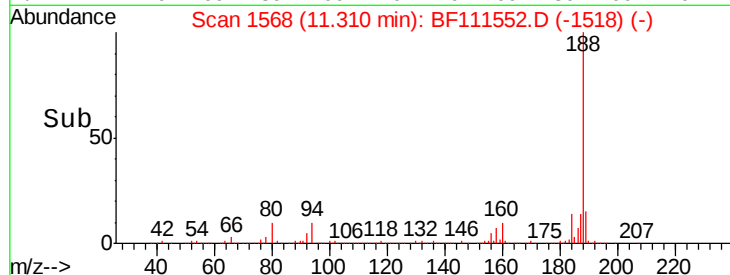
80 10.5 9.8 14.6



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: 3.127 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

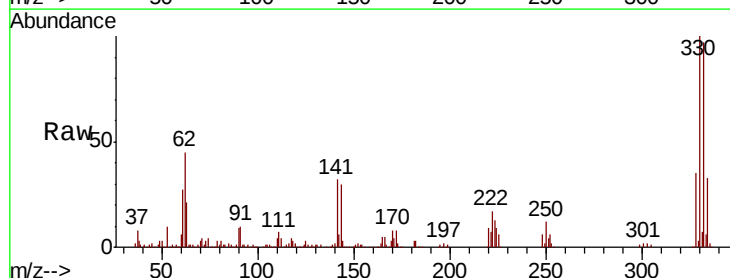
Tgt Ion:248 Resp: 19085

Ion Ratio Lower Upper

248 100

250 194.3 77.0 115.4#

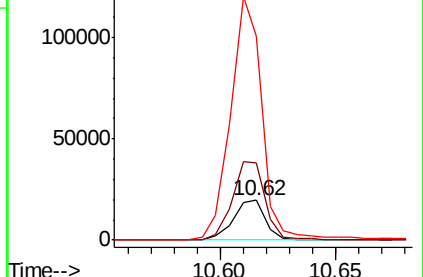
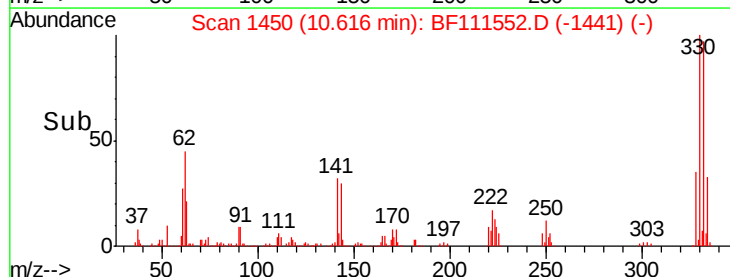
141 509.7 63.0 94.6#

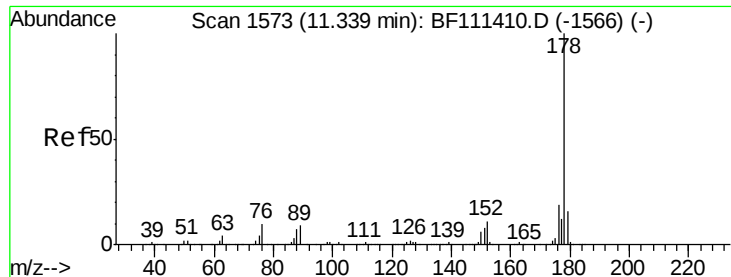


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 15.386 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

Instrument :

BNA_F

ClientSampleId :

TP-2-B

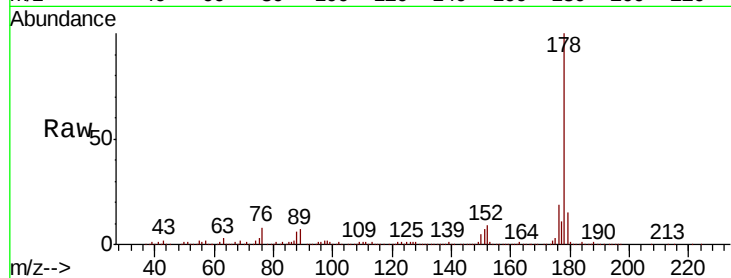
Tgt Ion:178 Resp: 448914

Ion Ratio Lower Upper

178 100

176 19.1 18.1 27.1

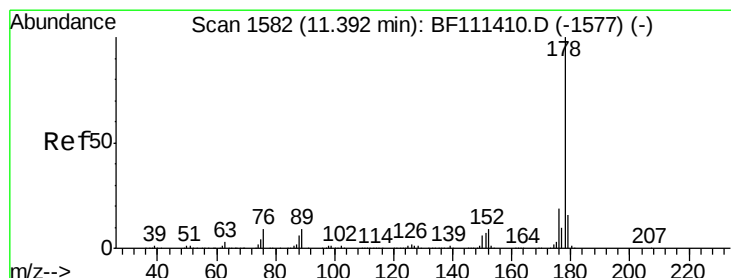
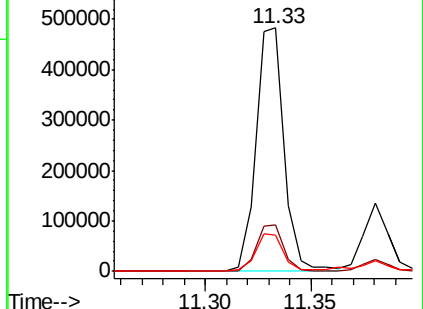
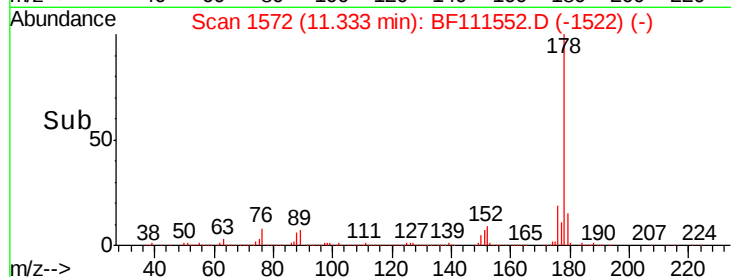
179 15.0 14.0 21.0



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: 15.045 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

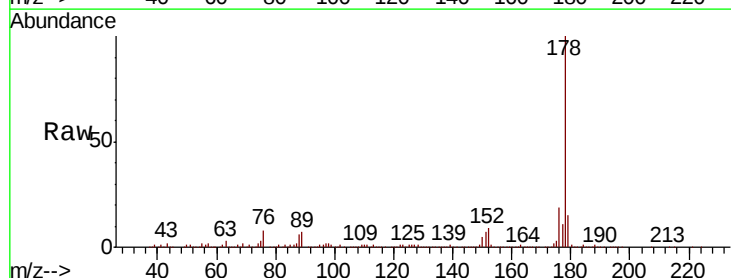
Tgt Ion:178 Resp: 448914

Ion Ratio Lower Upper

178 100

176 19.1 17.2 25.8

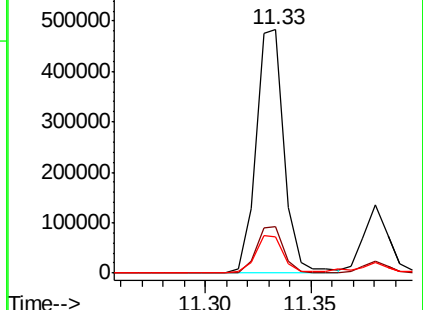
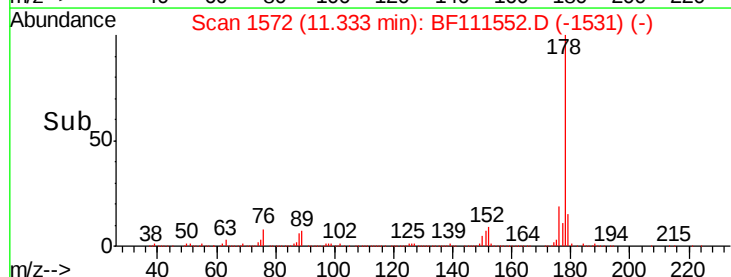
179 15.0 13.8 20.8

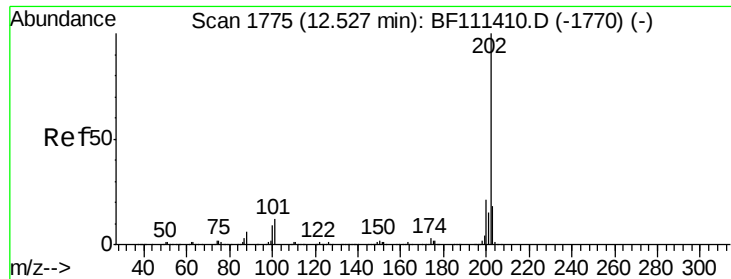


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 17.660 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

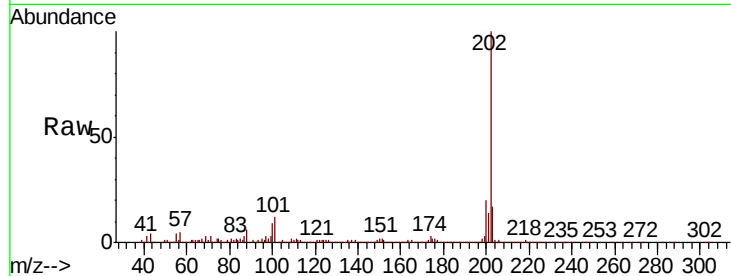
Instrument :

BNA_F

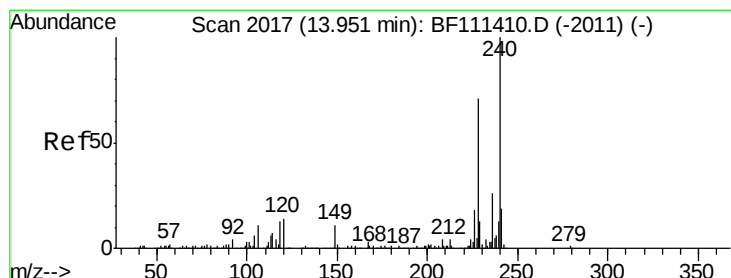
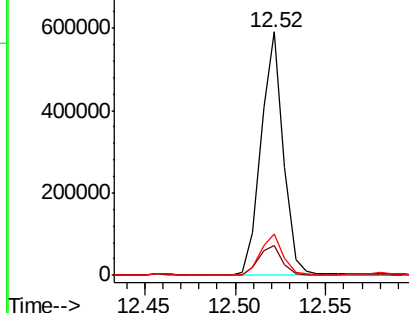
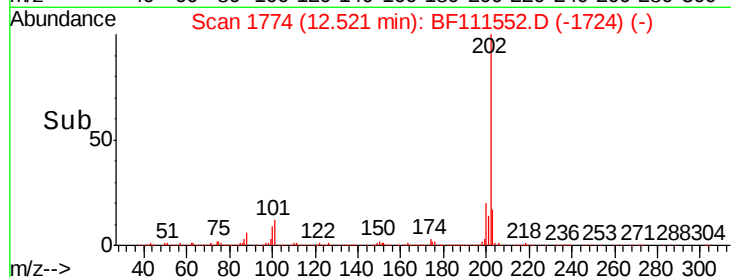
ClientSampleId :

TP-2-B

Tgt Ion:	202	Resp:	504087
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.8
203	17.2	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

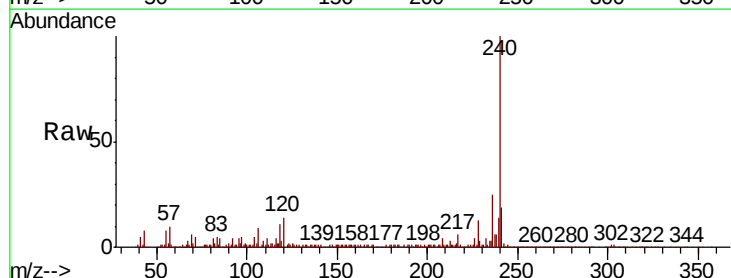
RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

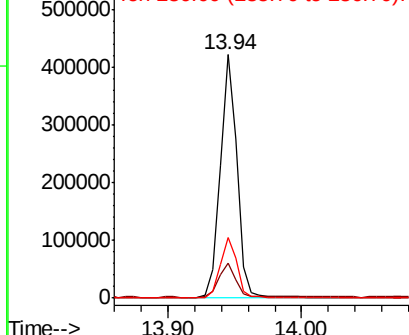
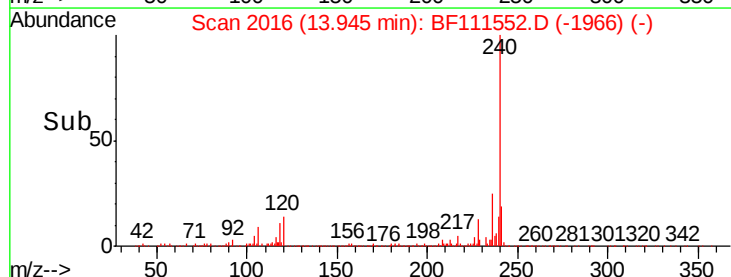
Lab File: BF111552.D

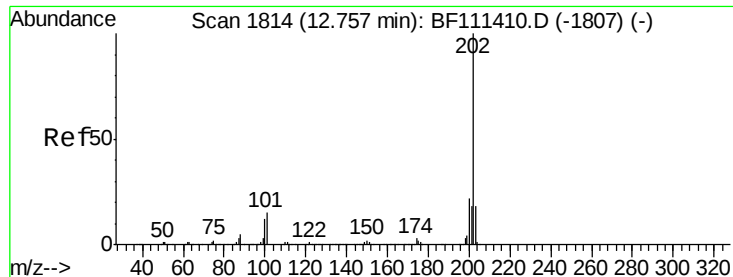
Acq: 17 Dec 2018 21:21

Tgt Ion:	240	Resp:	374802
Ion	Ratio	Lower	Upper
240	100		
120	14.1	12.2	18.2
236	24.7	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

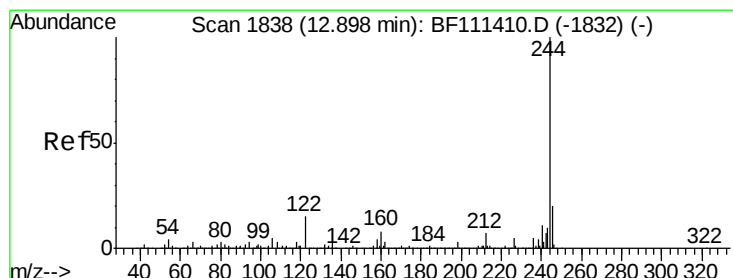
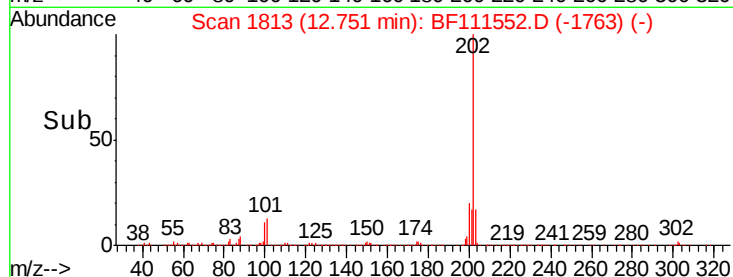
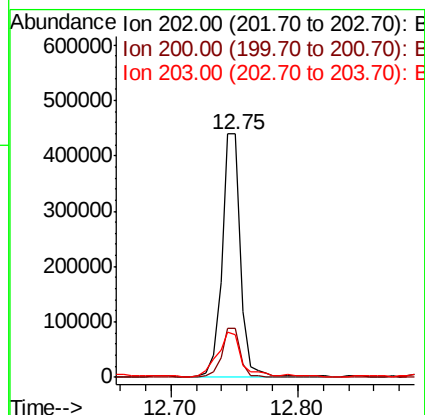
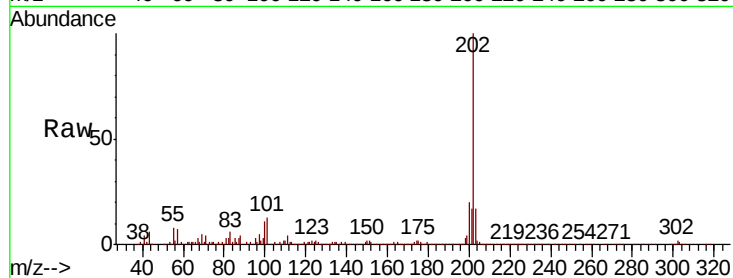




#78
 Pyrene
 Concen: 16.906 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

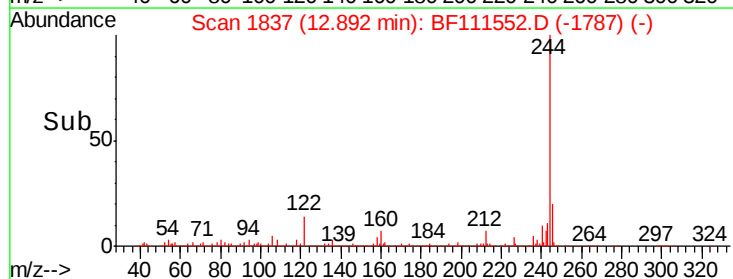
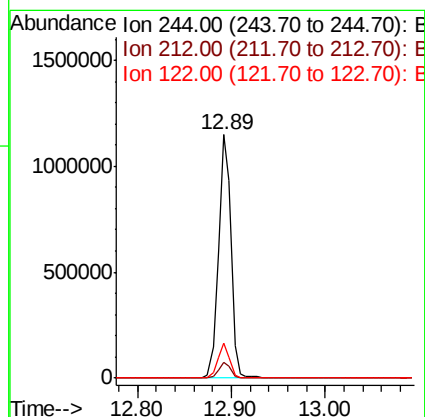
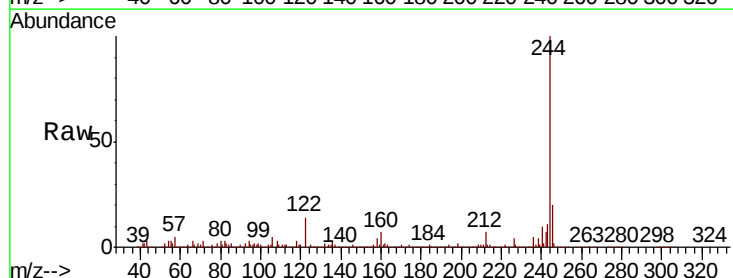
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-B

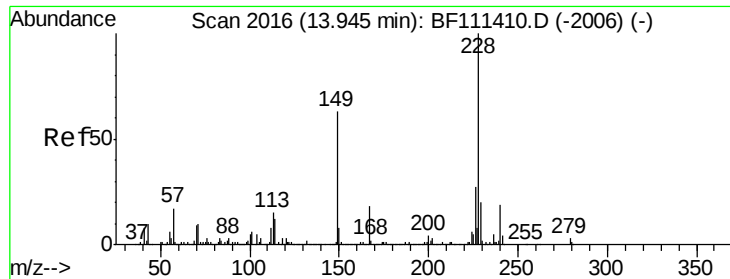
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	19.0	28.4
203	17.4	15.2	22.8



#79
 Terphenyl-d14
 Concen: 67.900 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	14.4	13.1	19.7

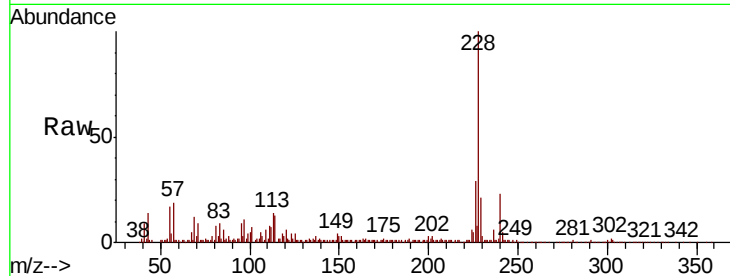




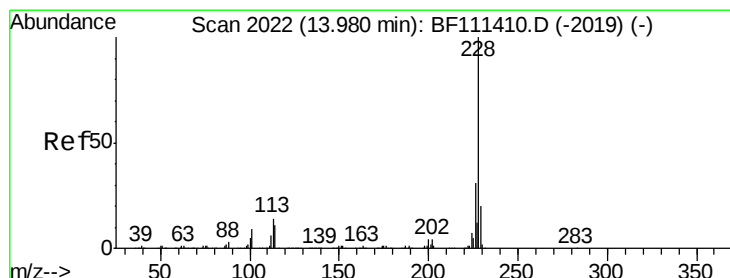
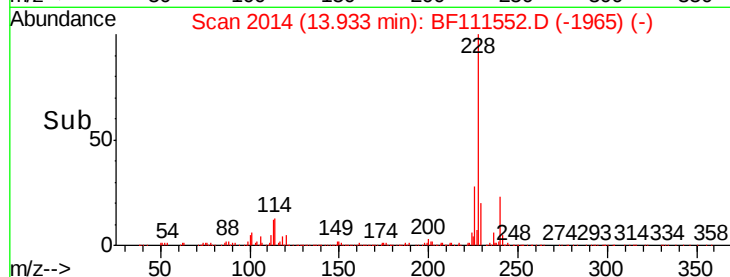
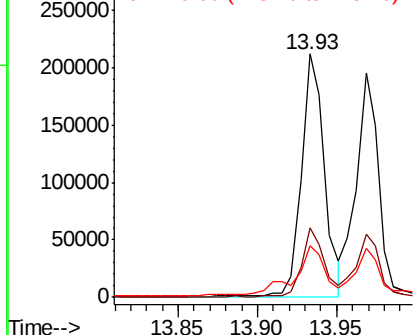
#81
Benzo(a)anthracene
Concen: 10.411 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

Instrument :
BNA_F
ClientSampleId :
TP-2-B

Tgt Ion:228 Resp: 212169
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 21.0 16.3 24.5

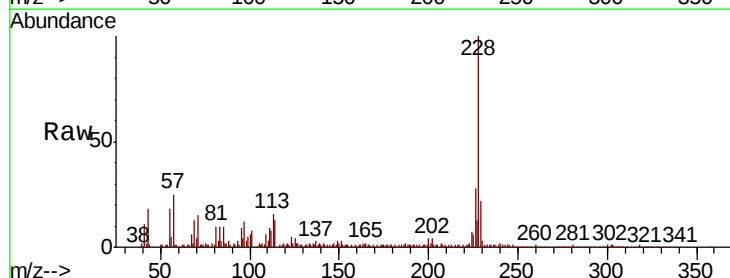


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

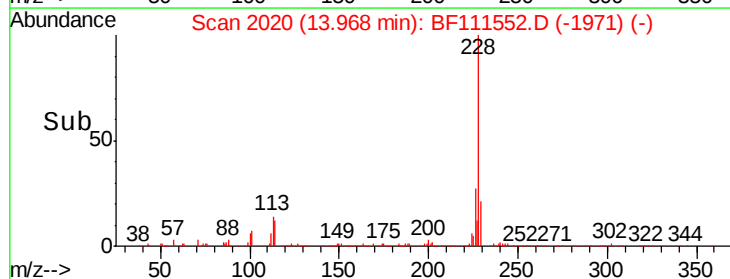
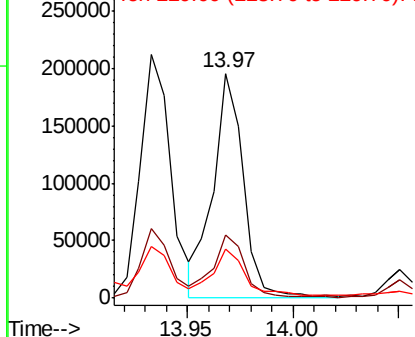


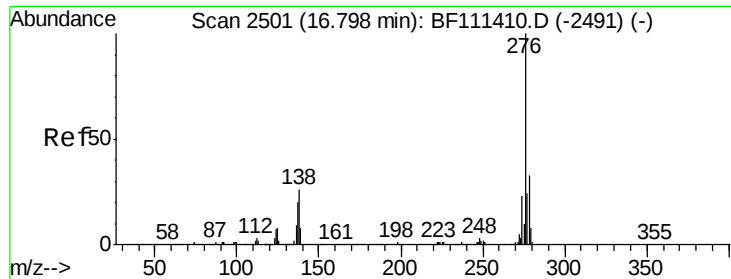
#83
Chrysene
Concen: 9.008 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

Tgt Ion:228 Resp: 193382
Ion Ratio Lower Upper
228 100
226 27.9 25.3 37.9
229 21.8 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

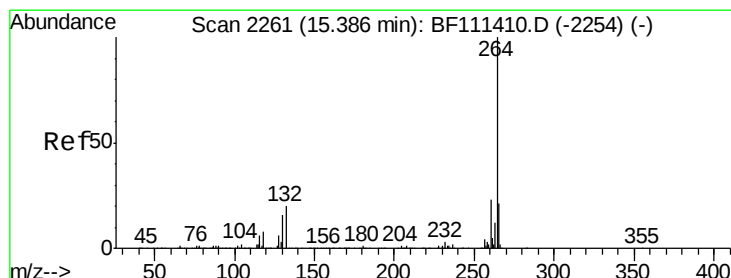
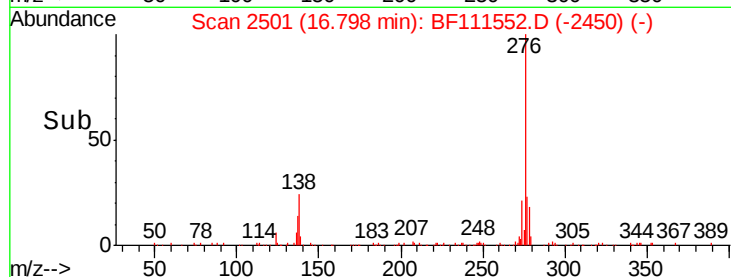
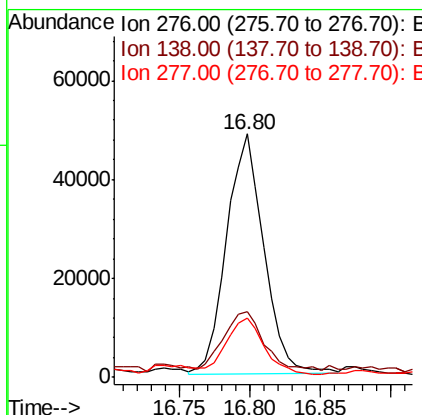
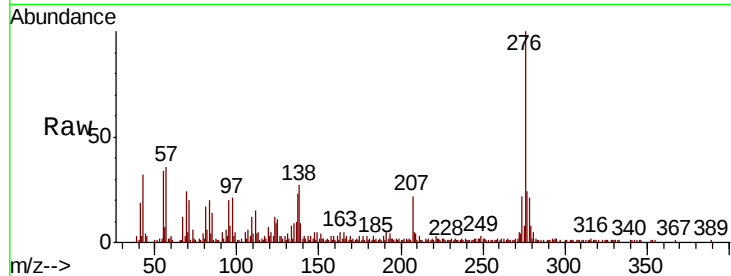




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.782 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. 0.00 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

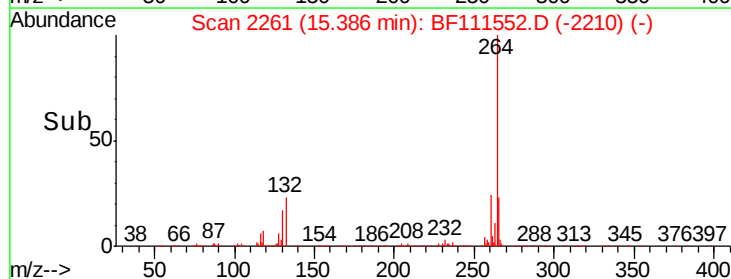
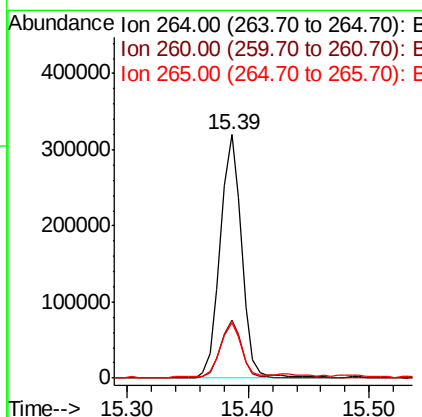
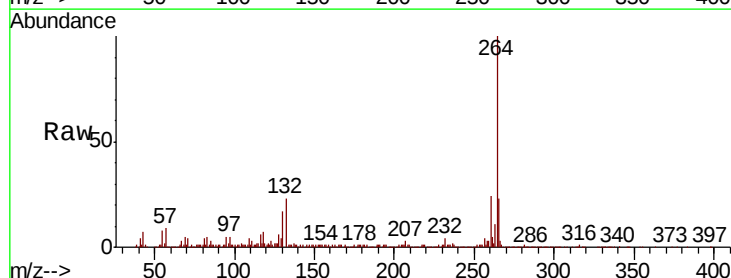
Instrument :
 BNA_F
 ClientSampleId :
 TP-2-B

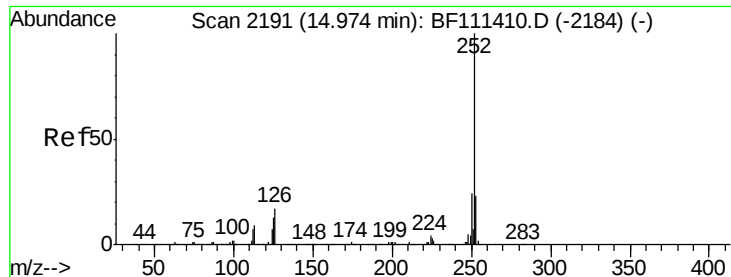
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	23.4	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF111552.D
 Acq: 17 Dec 2018 21:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	23.0	17.7	26.5

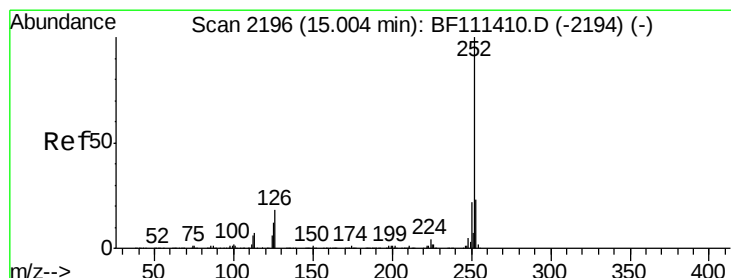
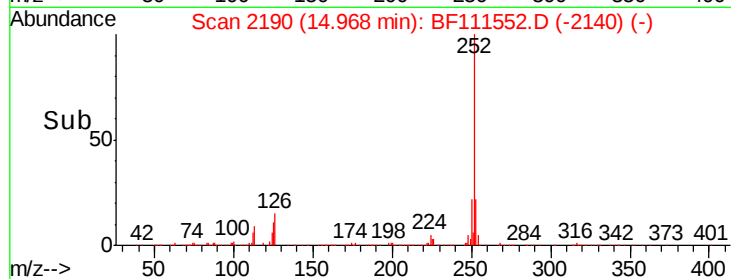
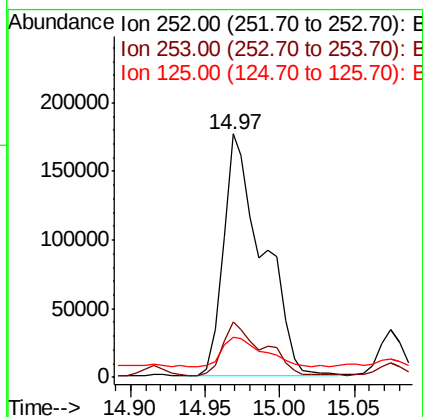
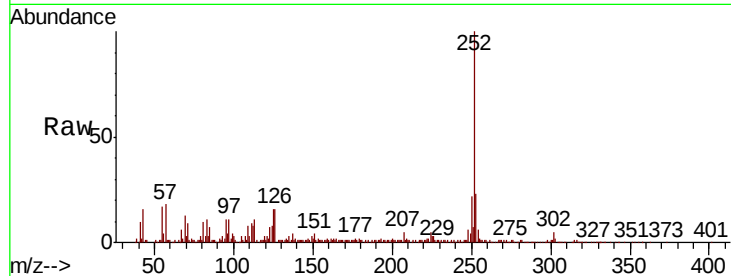




#88
Benzo(b)fluoranthene
Concen: 14.271 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

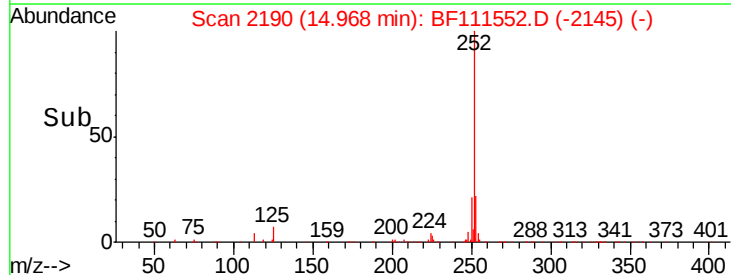
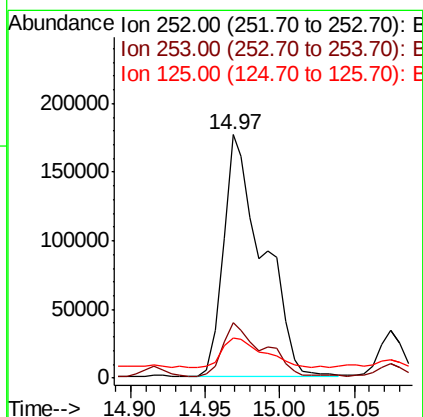
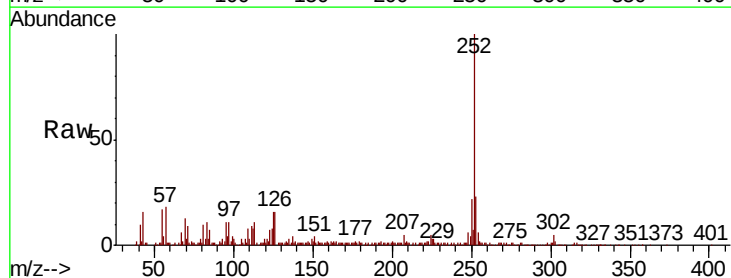
Instrument :
BNA_F
ClientSampleId :
TP-2-B

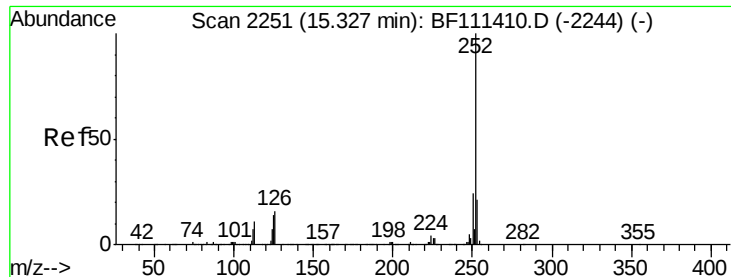
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	16.2	10.4	15.6#



#89
Benzo(k)fluoranthene
Concen: 14.936 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111552.D
Acq: 17 Dec 2018 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	16.2	9.8	14.8#





#90

Benzo(a)pyrene

Concen: 8.781 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

Instrument :

BNA_F

ClientSampleId :

TP-2-B

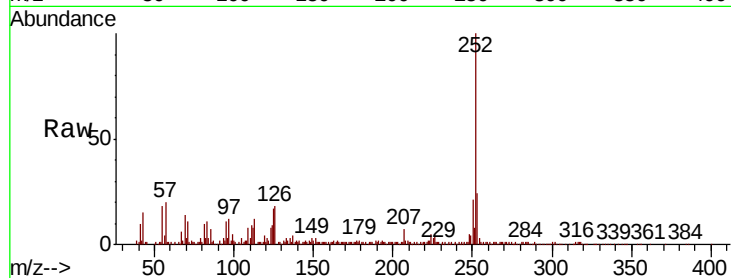
Tgt Ion:252 Resp: 180421

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

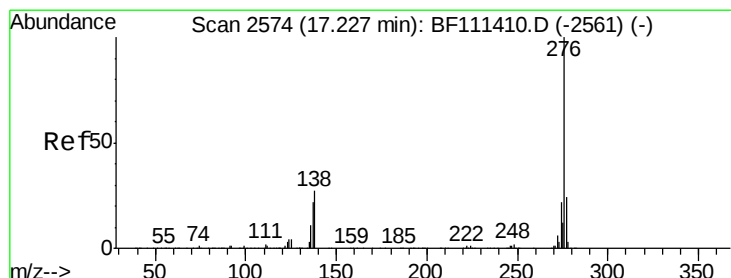
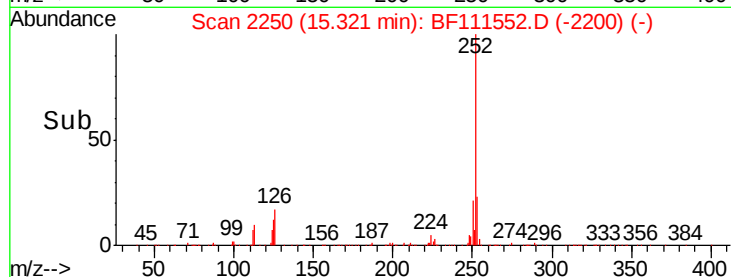
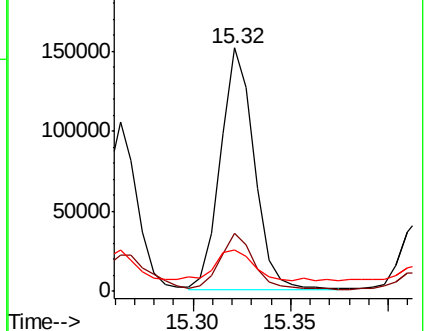
125 16.8 12.3 18.5



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: 5.187 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF111552.D

Acq: 17 Dec 2018 21:21

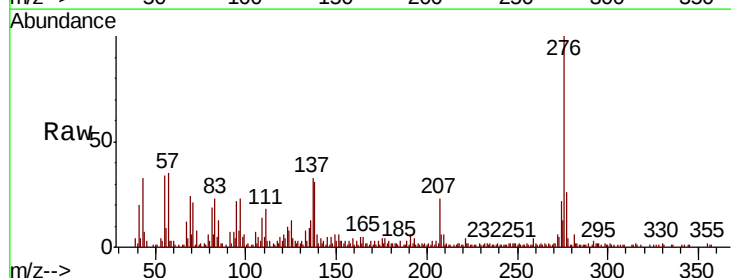
Tgt Ion:276 Resp: 82517

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 31.3 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

