

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111556.D
 Acq On : 17 Dec 2018 23:12
 Operator : JU/SJ
 Sample : J6403-29
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-B

Quant Time: Dec 18 04:13:09 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	118778	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	504754	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	353451	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	562495	20.00	ng	0.00
76) Chrysene-d12	13.94	240	358648	20.00	ng	0.00
87) Perylene-d12	15.39	264	335570	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	718690	100.69	ng	0.00
7) Phenol-d6	6.44	99	914364	96.30	ng	0.00
23) Nitrobenzene-d5	7.35	82	564473	66.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	278874	88.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1439892	62.93	ng	-0.01
79) Terphenyl-d14	12.89	244	1002928	65.67	ng	0.00

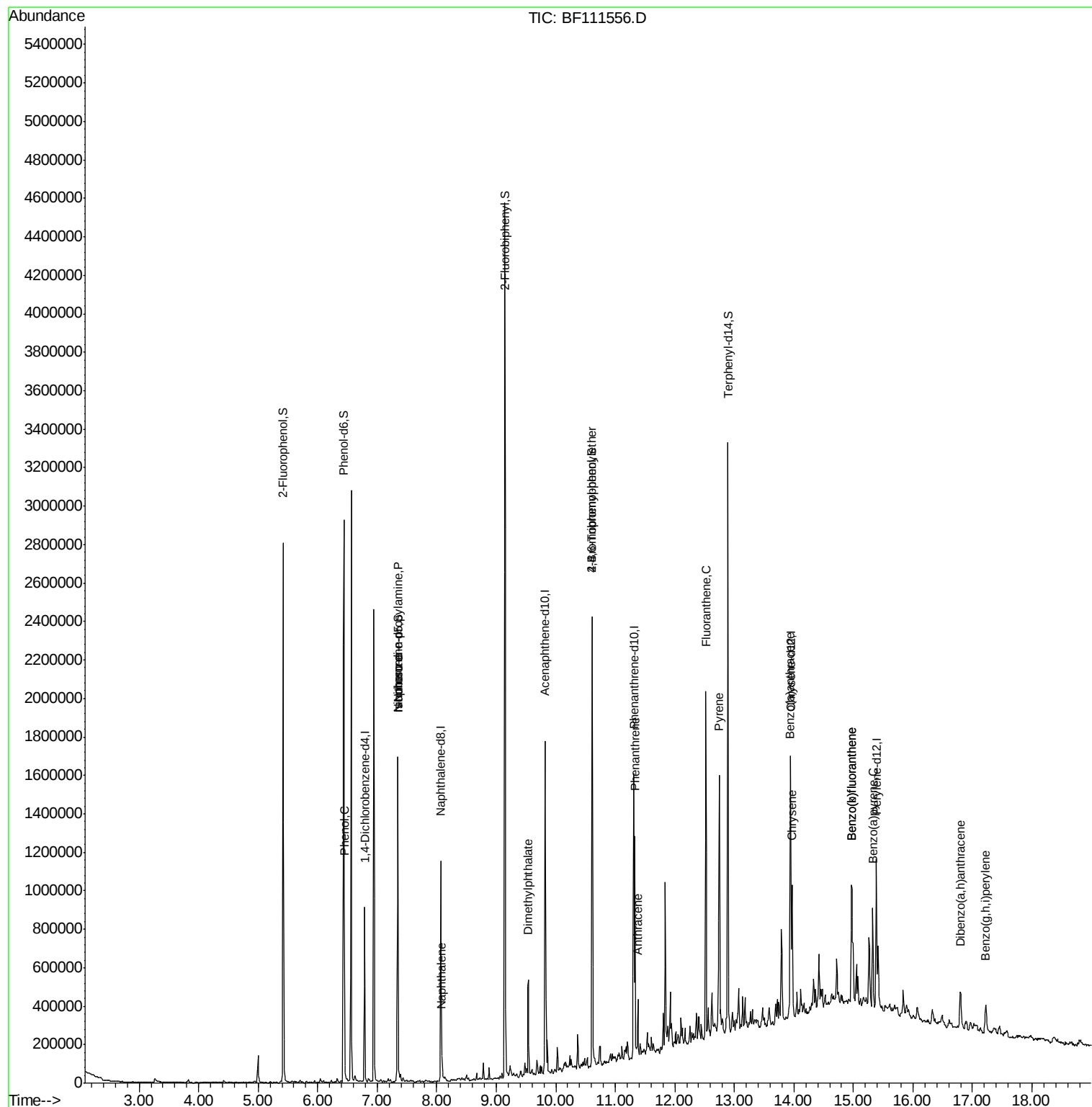
Target Compounds				Qvalue		
10) Phenol	6.45	94	56322	5.325	ng	91
19) n-Nitroso-di-n-propylamine	7.35	70	75812	12.103	ng	# 81
25) Isophorone	7.35	82	564317	39.347	ng	# 64
31) Naphthalene	8.09	128	56079	2.375	ng	# 93
50) Dimethylphthalate	9.54	163	200313	7.869	ng	97
67) 4-Bromophenyl-phenylether	10.62	248	17771	2.931	ng	# 1
71) Phenanthrene	11.33	178	447987	15.456	ng	94
72) Anthracene	11.38	178	103208	3.482	ng	93
75) Fluoranthene	12.52	202	653244	23.038	ng	98
78) Pyrene	12.74	202	573405	22.677	ng	96
81) Benzo(a)anthracene	13.93	228	288860	14.813	ng	100
83) Chrysene	13.97	228	277548	13.510	ng	99
88) Benzo(b)fluoranthene	14.97	252	467824	23.912	ng	99
89) Benzo(k)fluoranthene	14.97	252	467824	25.025	ng	98
90) Benzo(a)pyrene	15.32	252	246013	13.945	ng	96
91) Dibenzo(a,h)anthracene	16.80	278	32798	2.357	ng	# 91
92) Benzo(g,h,i)perylene	17.23	276	109154	7.990	ng	96

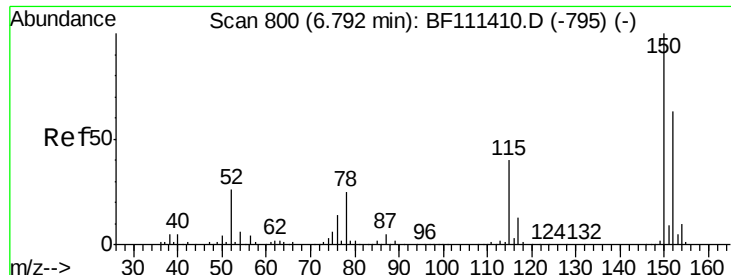
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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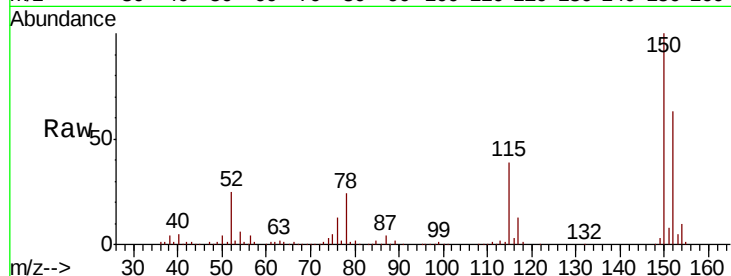




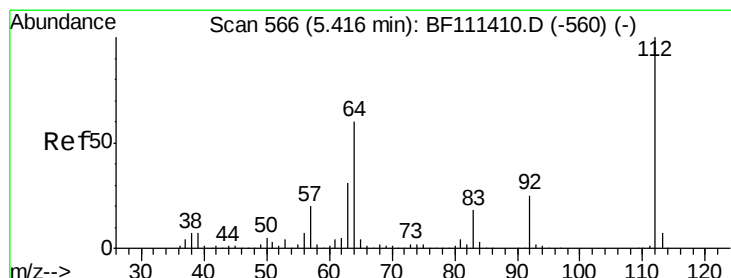
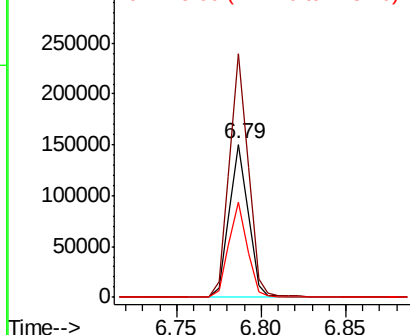
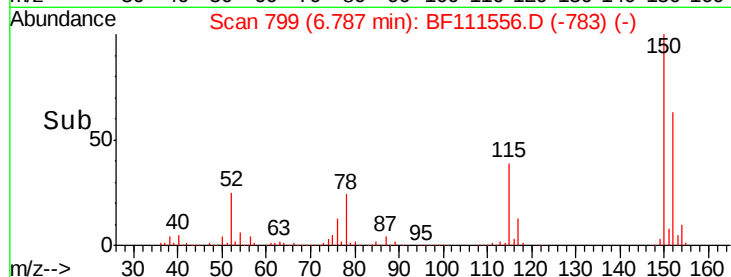
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111556.D
 Acq: 17 Dec 2018 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-B

Tgt Ion:152 Resp: 118778
 Ion Ratio Lower Upper
 152 100
 150 159.0 126.6 189.8
 115 62.4 50.7 76.1

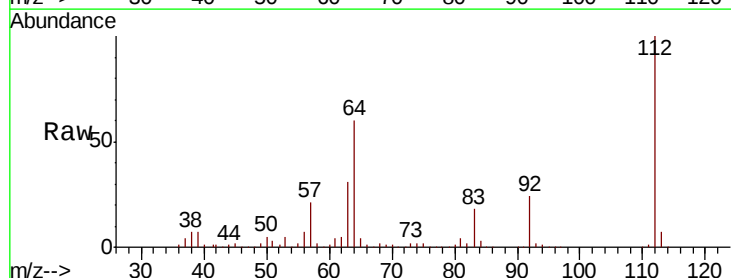


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

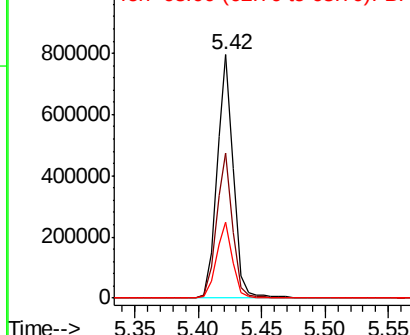
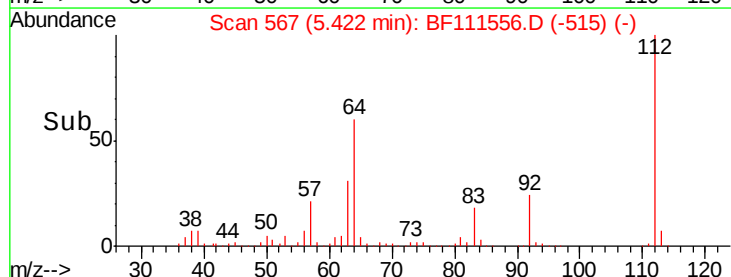


#5
 2-Fluorophenol
 Concen: 100.687 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111556.D
 Acq: 17 Dec 2018 23:12

Tgt Ion:112 Resp: 718690
 Ion Ratio Lower Upper
 112 100
 64 59.5 51.8 77.6
 63 31.3 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: 96.304 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

ClientSampled :

TP-4-B

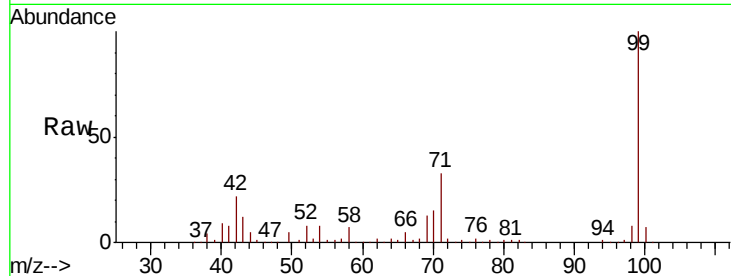
Tgt Ion: 99 Resp: 914364

Ion Ratio Lower Upper

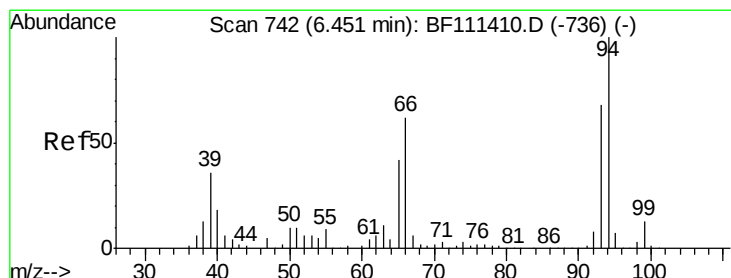
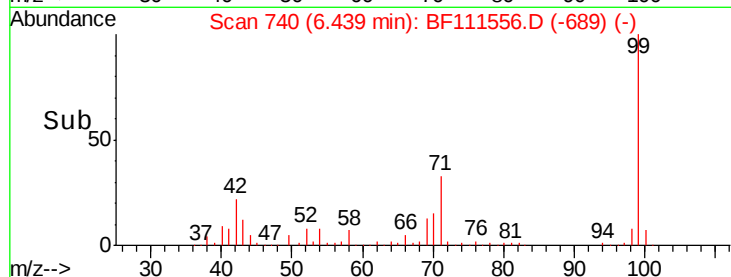
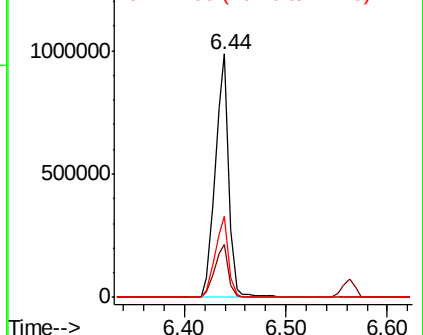
99 100

42 21.9 17.4 26.0

71 33.5 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: 5.325 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

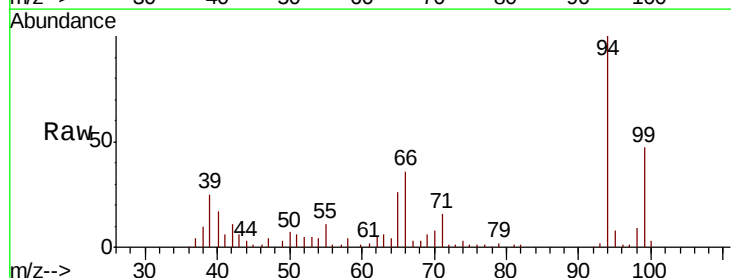
Tgt Ion: 94 Resp: 56322

Ion Ratio Lower Upper

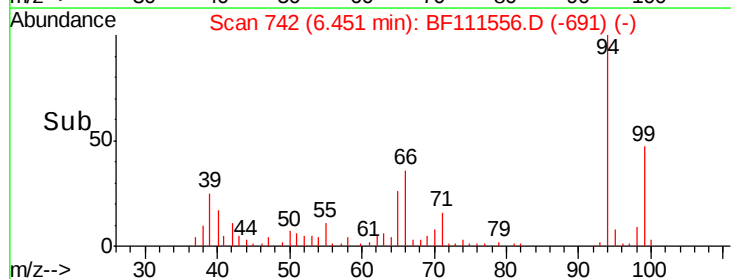
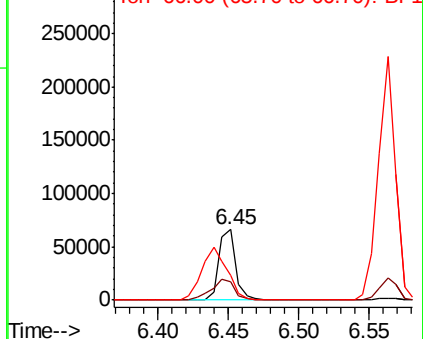
94 100

65 26.1 11.7 51.7

66 35.9 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

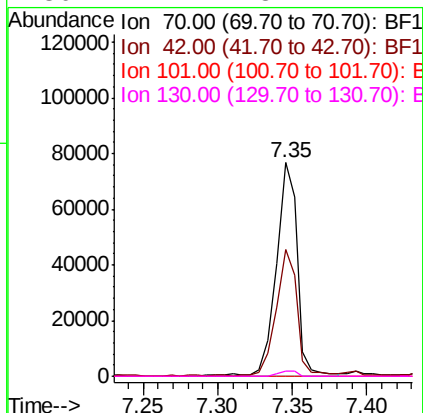
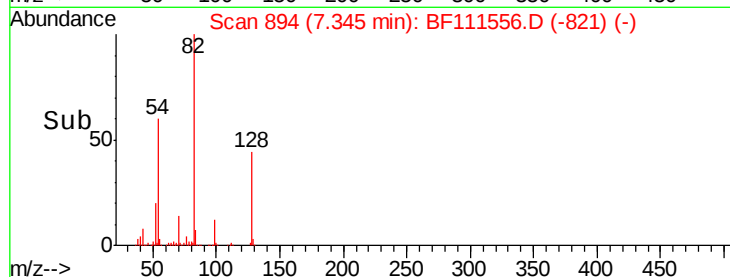
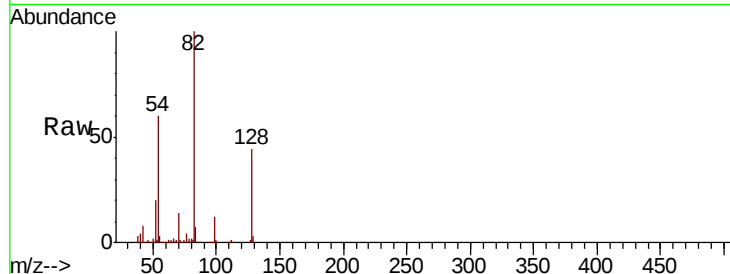




#19
n-Nitroso-di-n-propylamine
Concen: 12.103 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.13 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

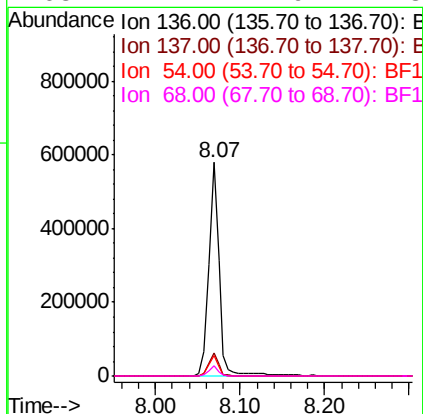
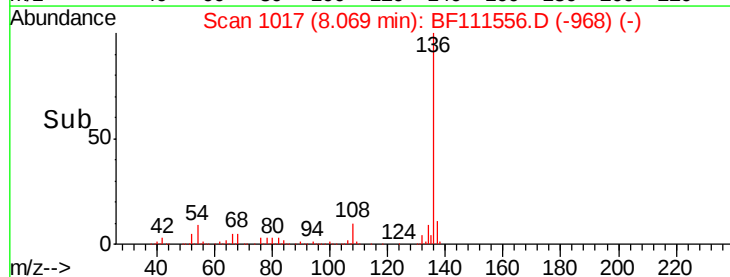
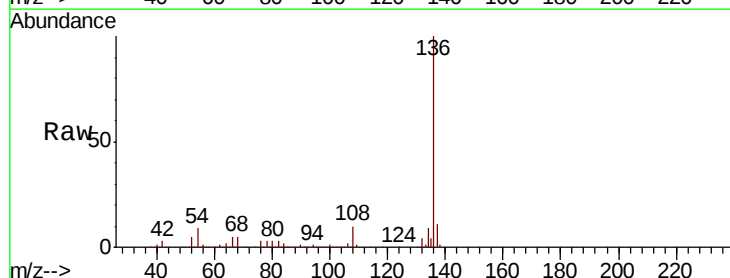
Instrument :
BNA_F
ClientSampleId :
TP-4-B

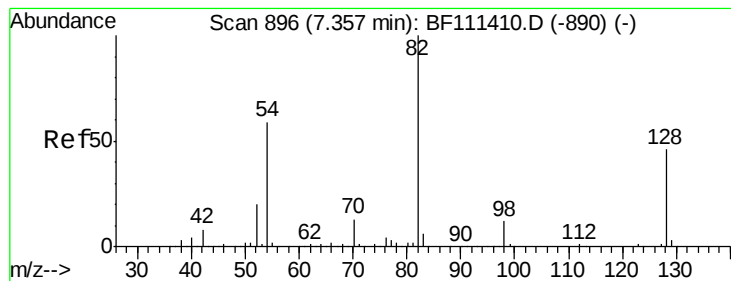
Tgt Ion: 70 Resp: 75812
Ion Ratio Lower Upper
70 100
42 59.1 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion: 136 Resp: 504754
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 9.3 7.7 11.5
68 4.7 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 66.594 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

ClientSampleId :

TP-4-B

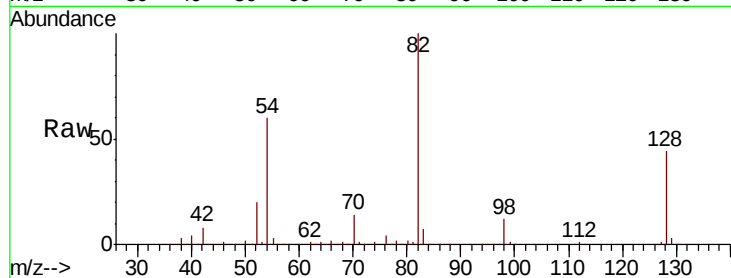
Tgt Ion: 82 Resp: 564473

Ion Ratio Lower Upper

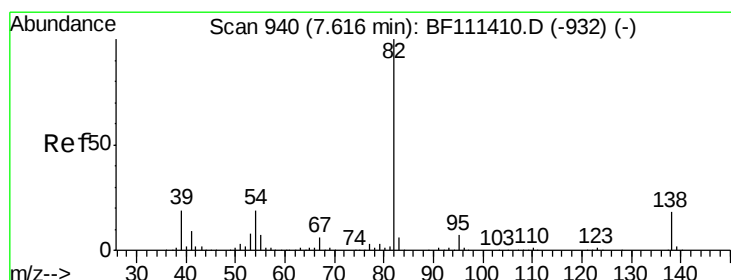
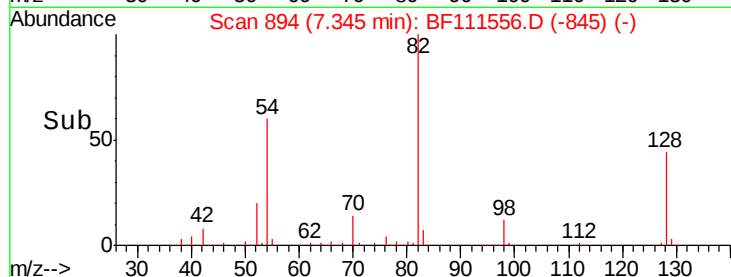
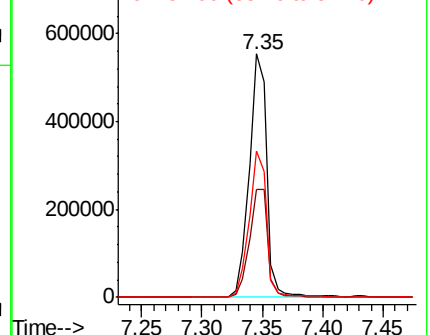
82 100

128 44.4 37.4 56.2

54 60.1 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: 39.347 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.27 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

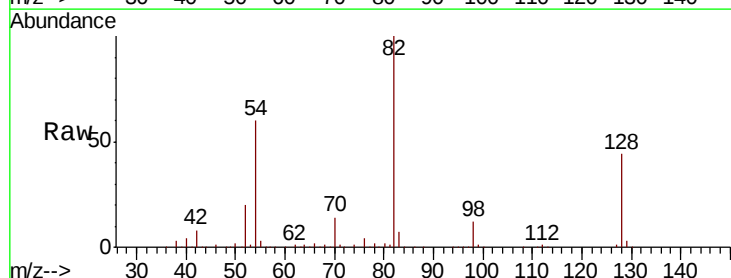
Tgt Ion: 82 Resp: 564317

Ion Ratio Lower Upper

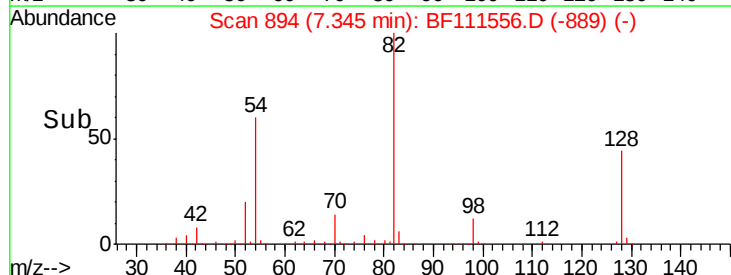
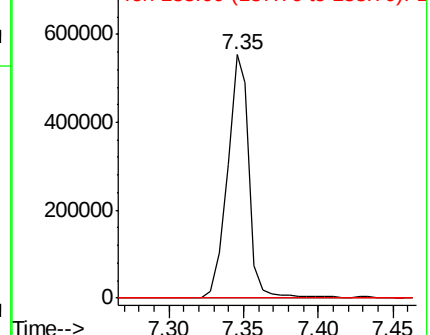
82 100

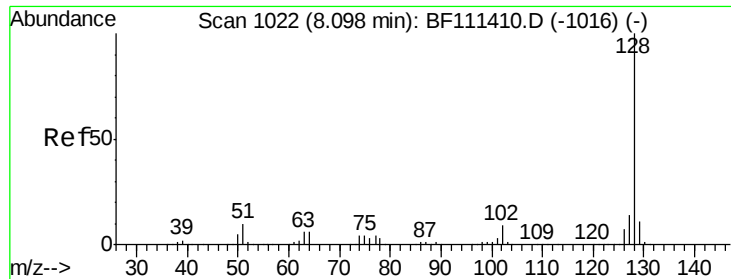
95 0.1 5.4 8.2#

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

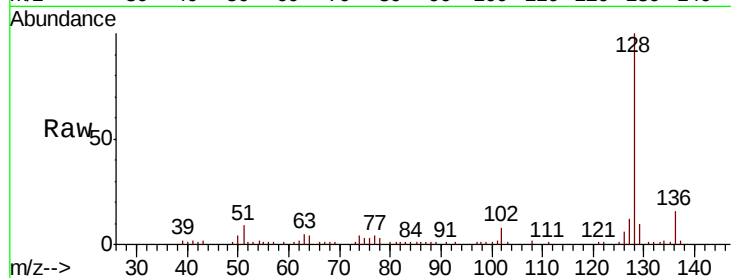




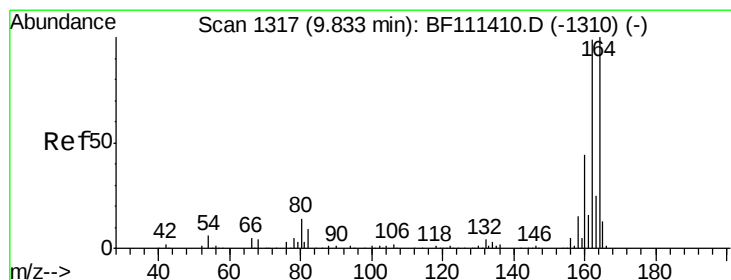
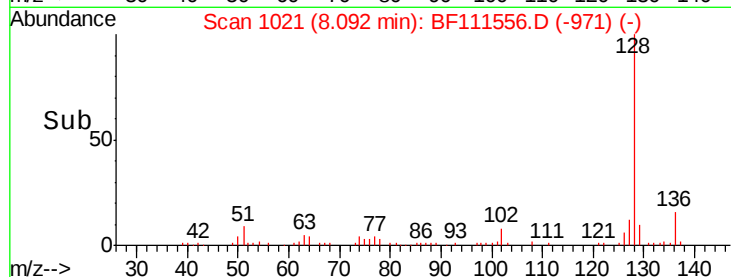
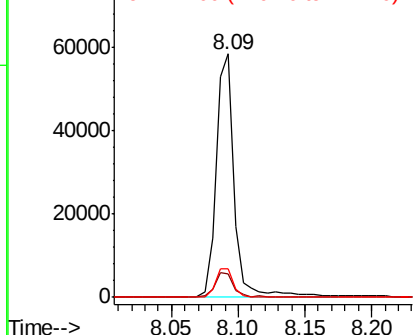
#31
Naphthalene
Concen: 2.375 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Instrument :
BNA_F
ClientSampleId :
TP-4-B

Tgt Ion:128 Resp: 56079
Ion Ratio Lower Upper
128 100
129 9.7 9.8 14.8#
127 11.8 12.0 18.0#

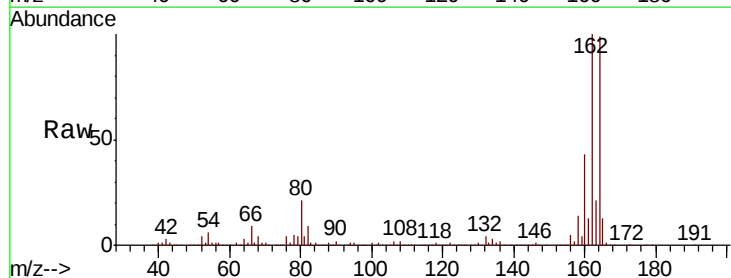


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

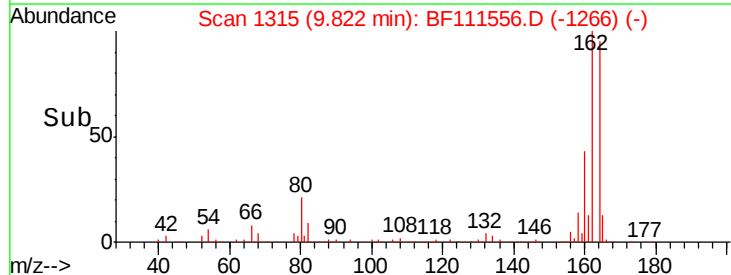
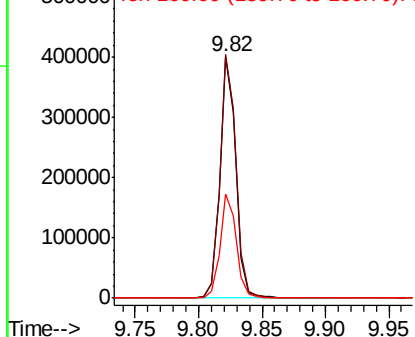


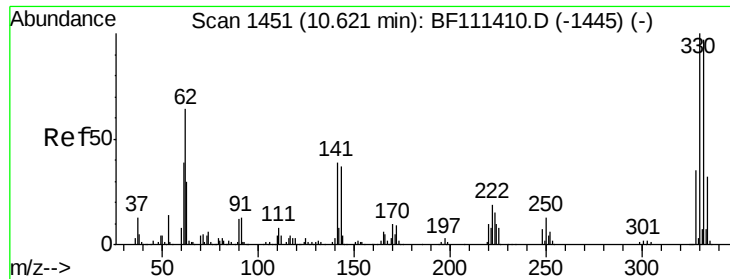
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion:164 Resp: 353451
Ion Ratio Lower Upper
164 100
162 100.7 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

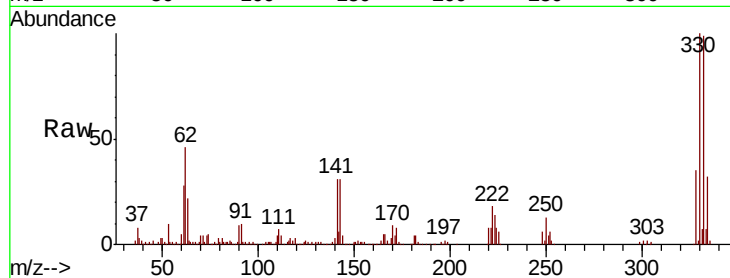




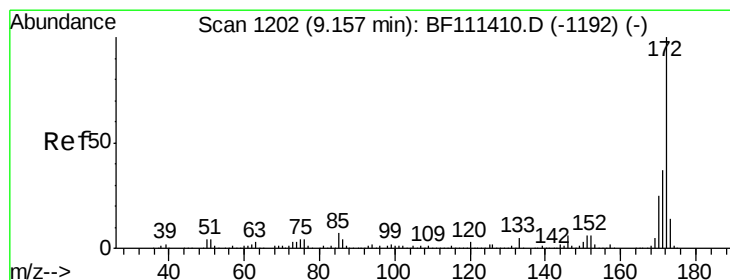
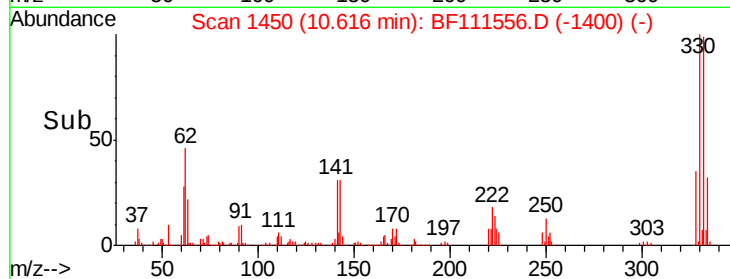
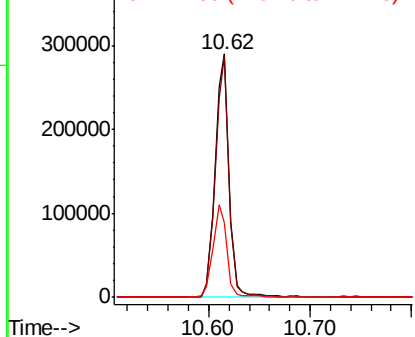
#42
 2,4,6-Tribromophenol
 Concen: 88.079 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111556.D
 Acq: 17 Dec 2018 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-B

Tgt Ion:330 Resp: 278874
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.0 114.0
 141 37.3 31.0 46.6

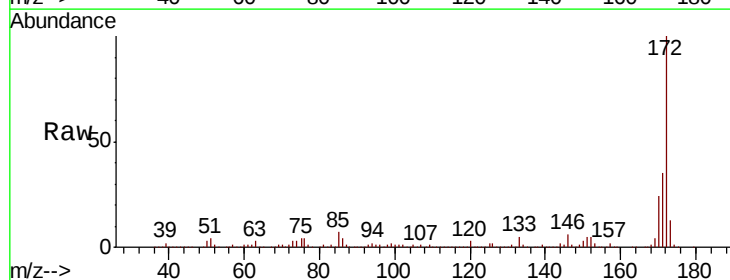


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

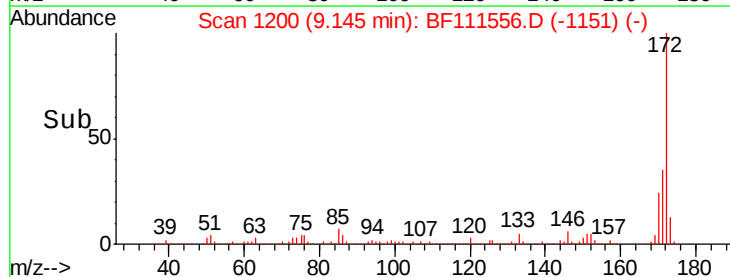
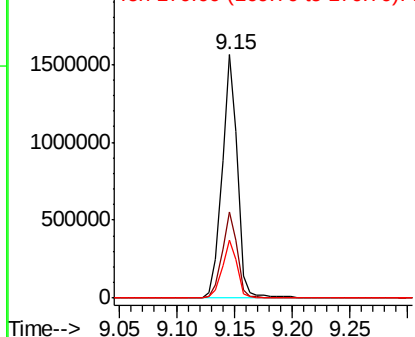


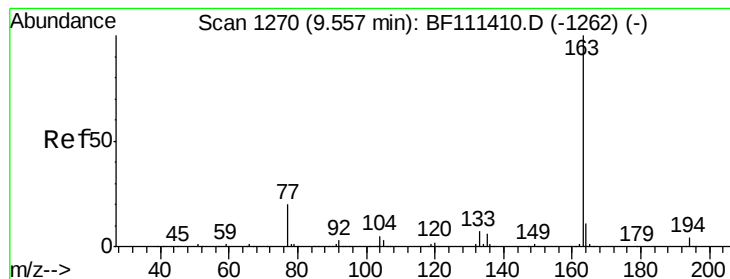
#45
 2-Fluorobiphenyl
 Concen: 62.926 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111556.D
 Acq: 17 Dec 2018 23:12

Tgt Ion:172 Resp: 1439892
 Ion Ratio Lower Upper
 172 100
 171 35.4 33.0 49.4
 170 23.9 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: 7.869 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

ClientSampleId :

TP-4-B

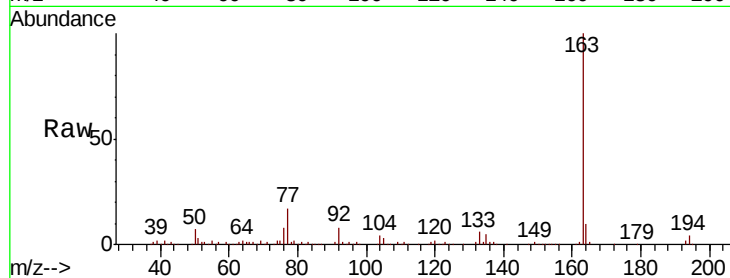
Tgt Ion:163 Resp: 200313

Ion Ratio Lower Upper

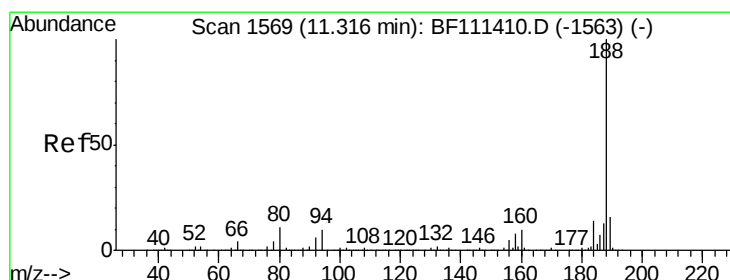
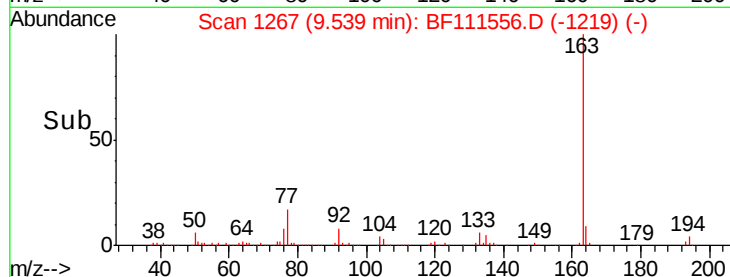
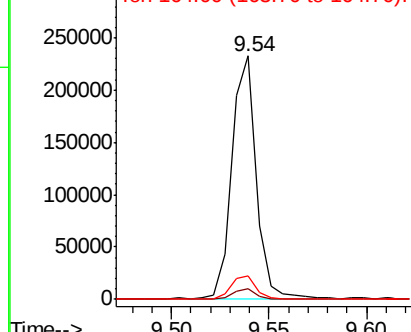
163 100

194 4.1 3.0 4.6

164 9.5 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

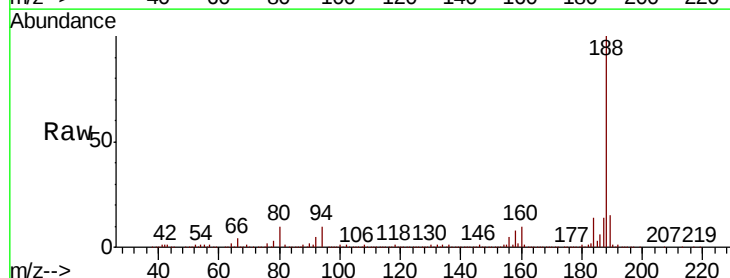
Tgt Ion:188 Resp: 562495

Ion Ratio Lower Upper

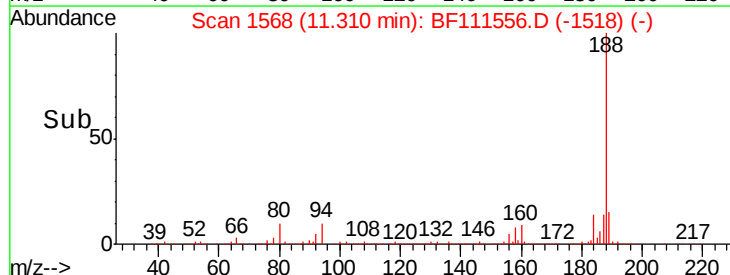
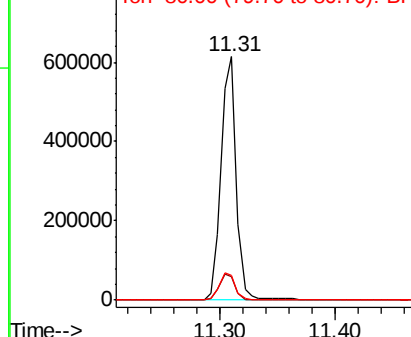
188 100

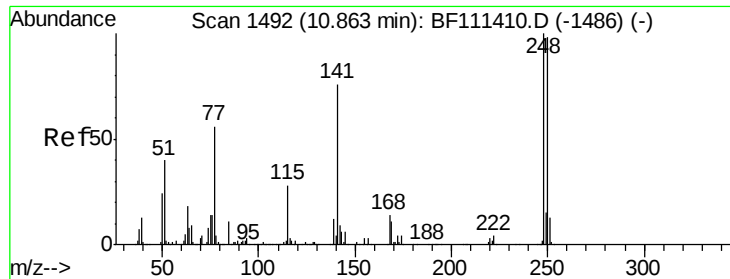
94 9.7 9.6 14.4

80 10.3 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

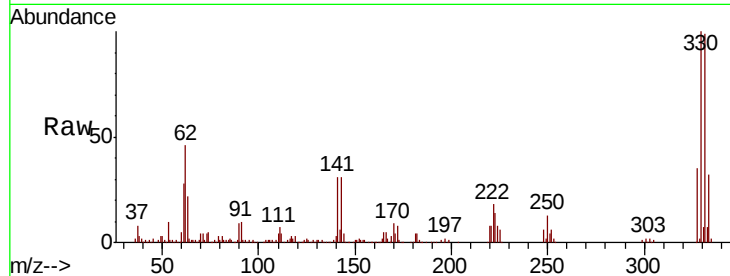




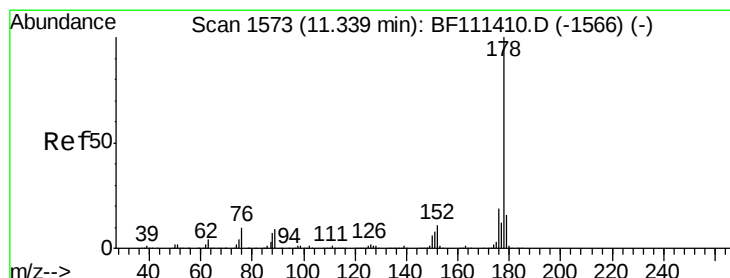
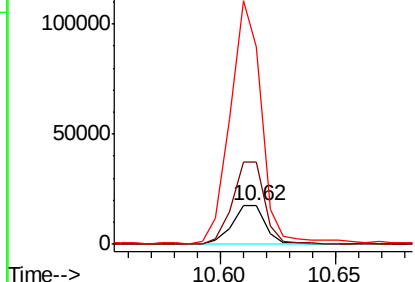
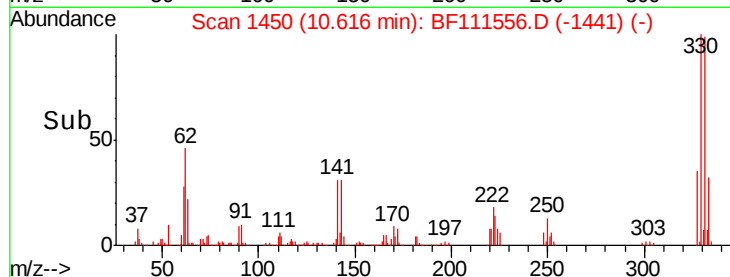
#67
 4-Bromophenyl-phenylether
 Concen: 2.931 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111556.D
 Acq: 17 Dec 2018 23:12

Instrument :
 BNA_F
 ClientSampled :
 TP-4-B

Tgt Ion:248 Resp: 17771
 Ion Ratio Lower Upper
 248 100
 250 214.2 77.0 115.4#
 141 510.4 63.0 94.6#

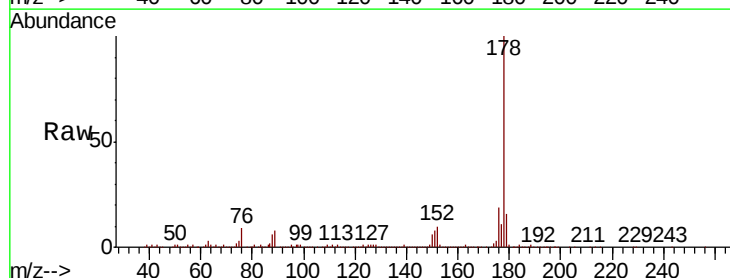


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

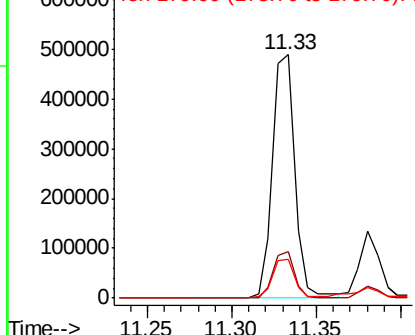
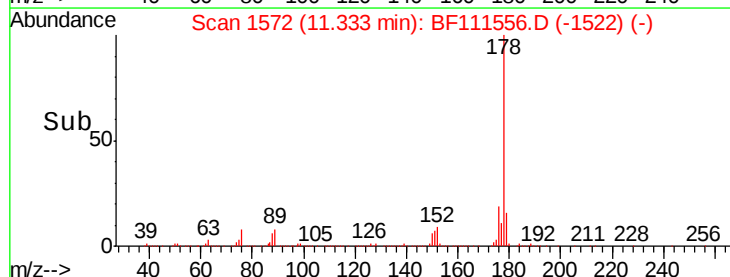


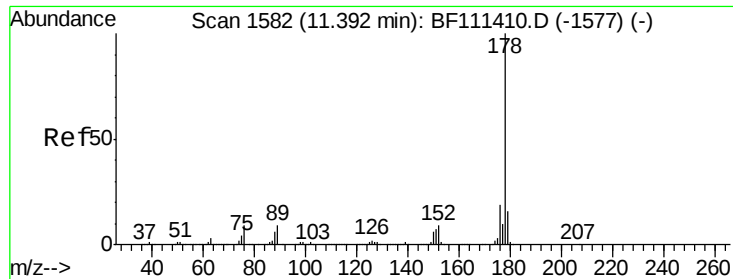
#71
 Phenanthrene
 Concen: 15.456 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111556.D
 Acq: 17 Dec 2018 23:12

Tgt Ion:178 Resp: 447987
 Ion Ratio Lower Upper
 178 100
 176 18.9 18.1 27.1
 179 15.9 14.0 21.0



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





#72

Anthracene

Concen: 3.482 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

ClientSampleId :

TP-4-B

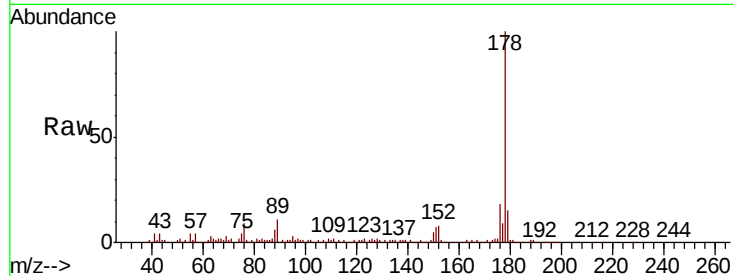
Tgt Ion:178 Resp: 103208

Ion Ratio Lower Upper

178 100

176 17.5 17.2 25.8

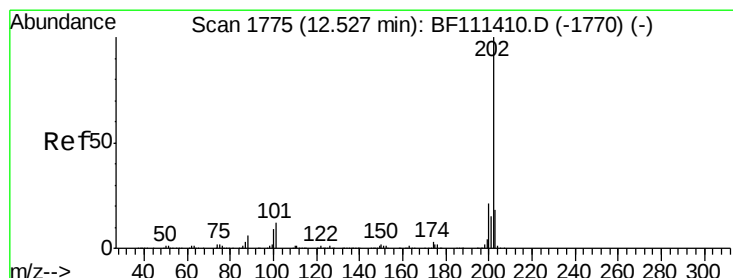
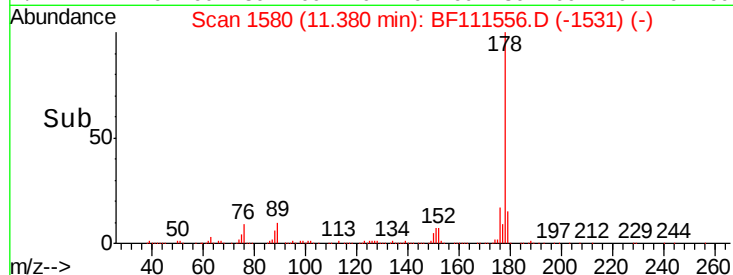
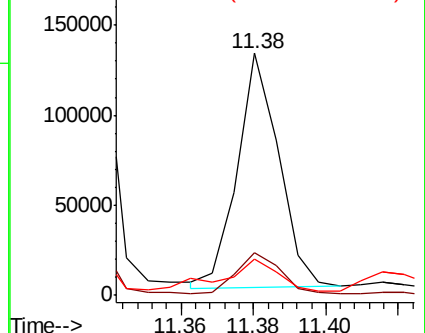
179 15.2 13.8 20.8



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: 23.038 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

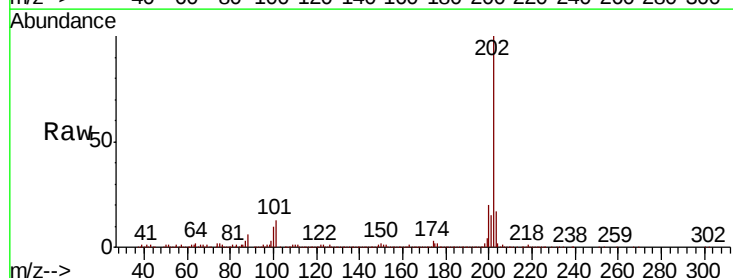
Tgt Ion:202 Resp: 653244

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.8

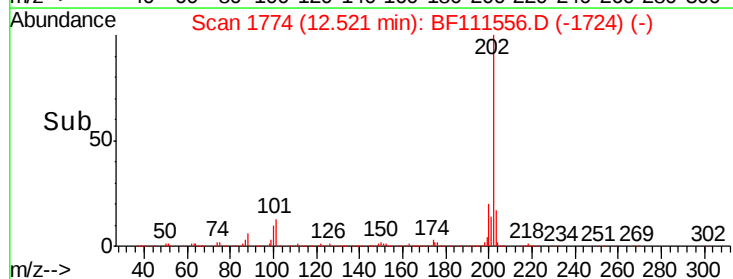
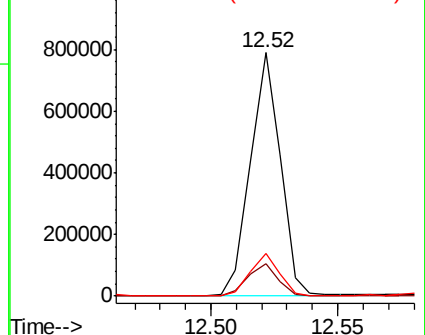
203 17.3 0.0 38.6

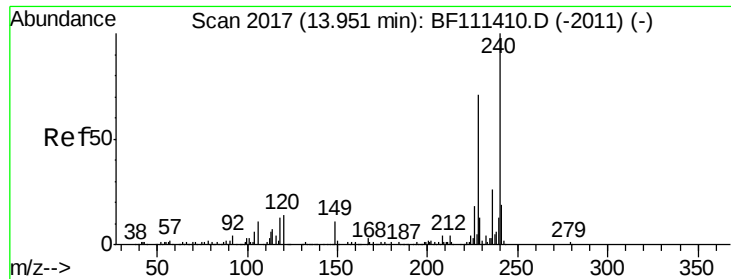


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

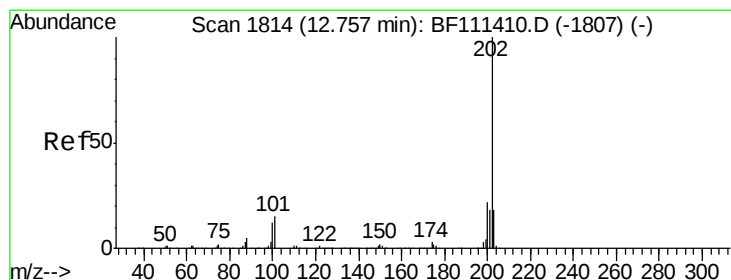
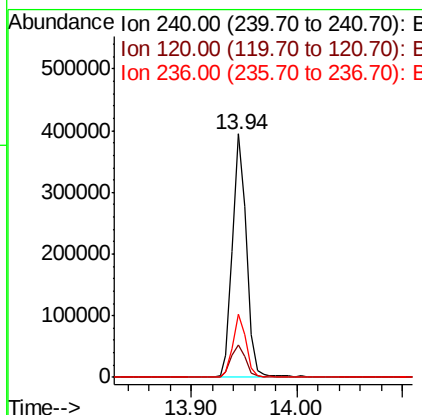
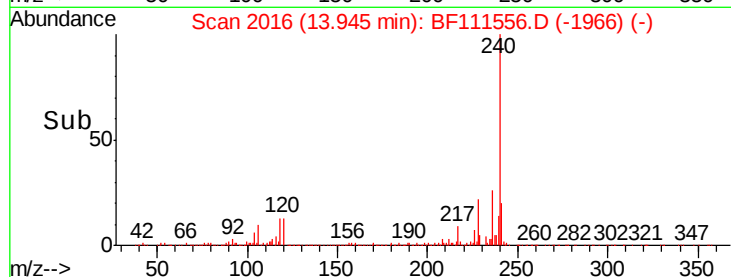
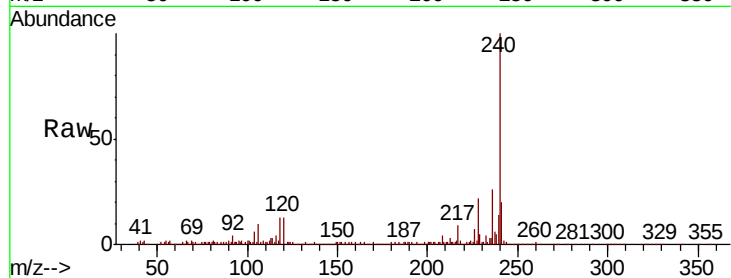




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

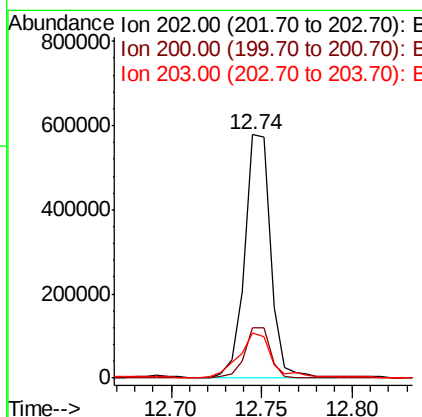
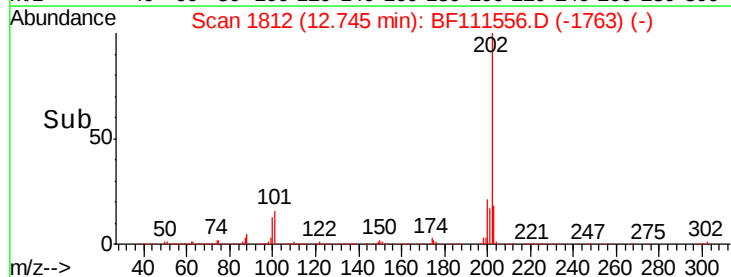
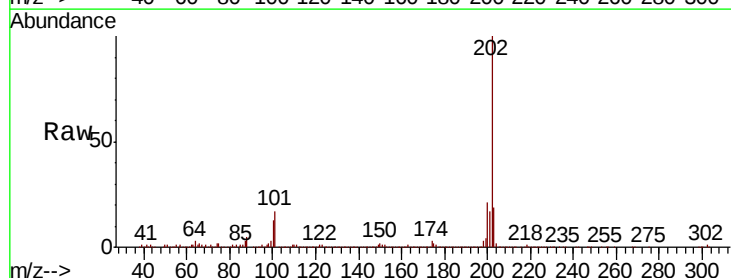
Instrument :
BNA_F
ClientSampleId :
TP-4-B

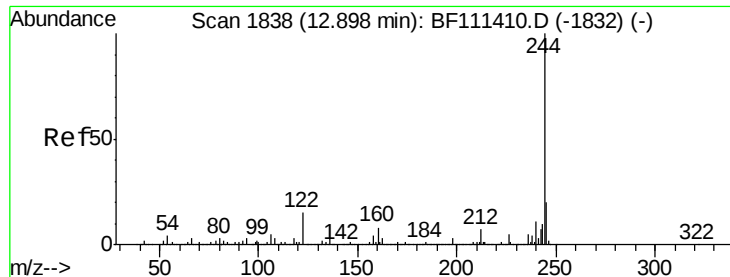
Tgt Ion:240 Resp: 358648
Ion Ratio Lower Upper
240 100
120 13.3 12.2 18.2
236 25.8 20.2 30.2



#78
Pyrene
Concen: 22.677 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion:202 Resp: 573405
Ion Ratio Lower Upper
202 100
200 20.7 19.0 28.4
203 18.5 15.2 22.8





#79

Terphenyl-d14

Concen: 65.666 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

ClientSampled :

TP-4-B

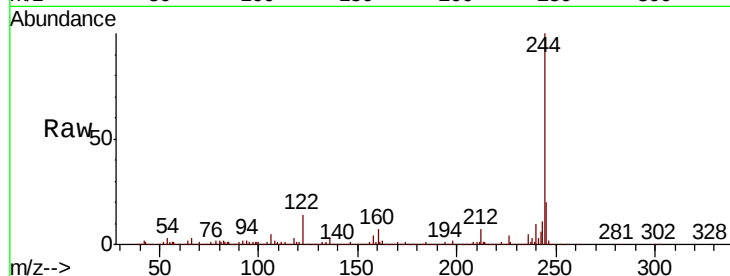
Tgt Ion:244 Resp: 1002928

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

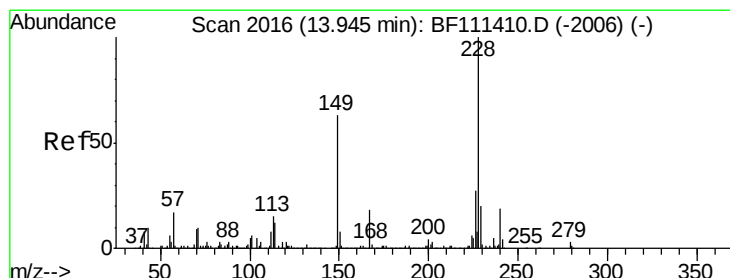
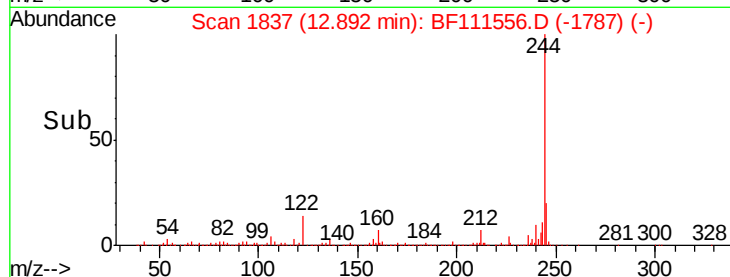
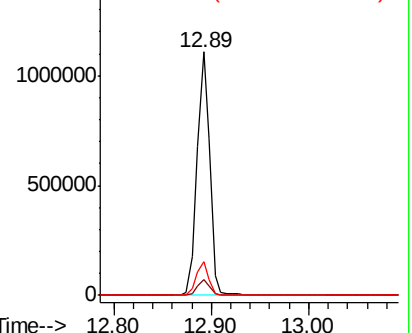
122 14.1 13.1 19.7



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: 14.813 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

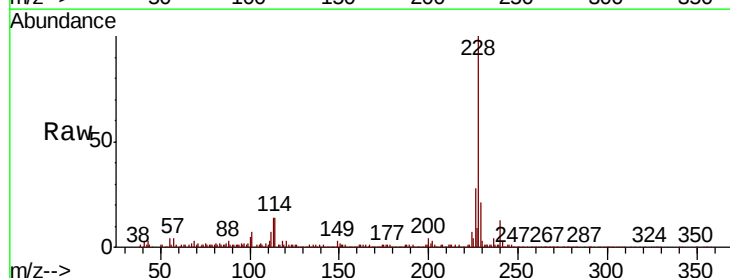
Tgt Ion:228 Resp: 288860

Ion Ratio Lower Upper

228 100

226 28.4 22.6 34.0

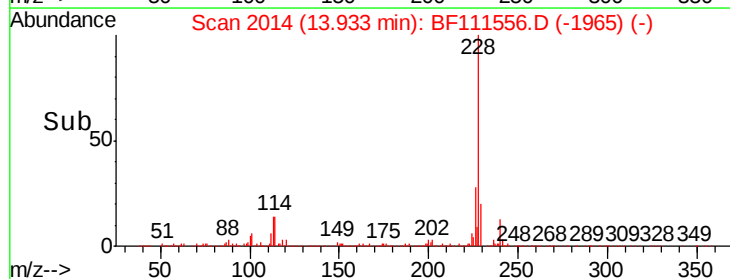
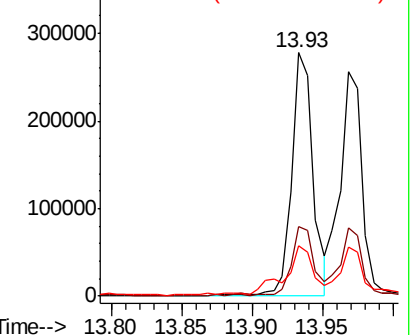
229 20.6 16.3 24.5

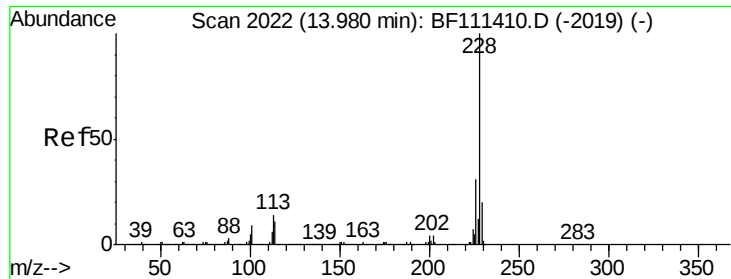


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 13.510 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

ClientSampleId :

TP-4-B

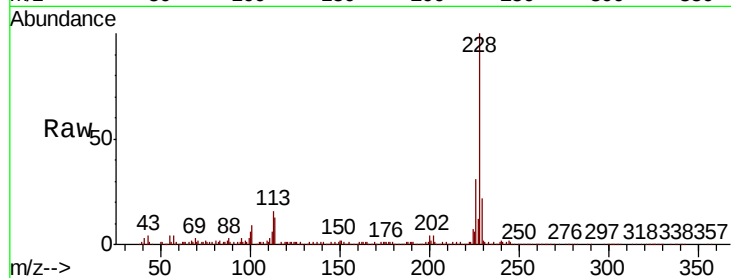
Tgt Ion:228 Resp: 277548

Ion Ratio Lower Upper

228 100

226 30.6 25.3 37.9

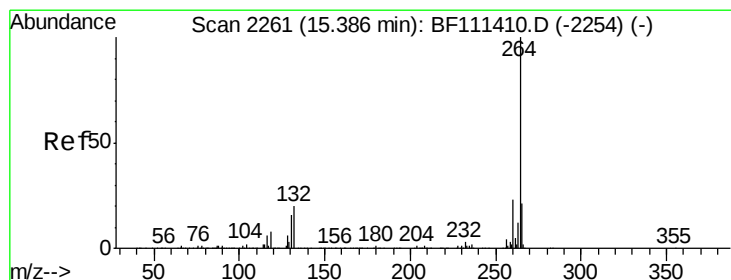
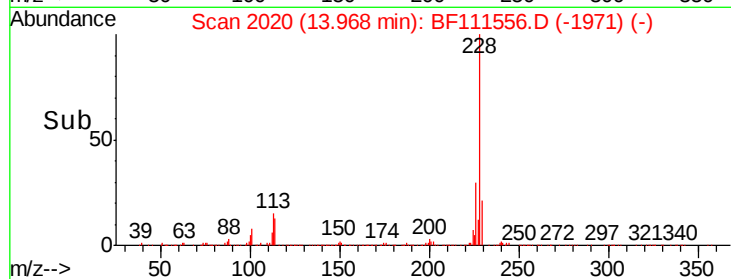
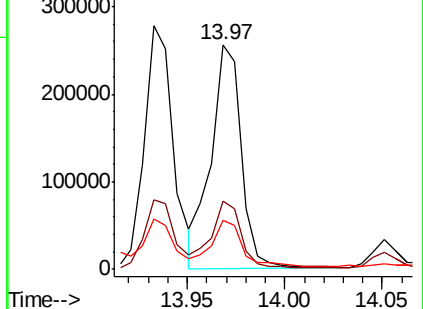
229 21.8 17.2 25.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

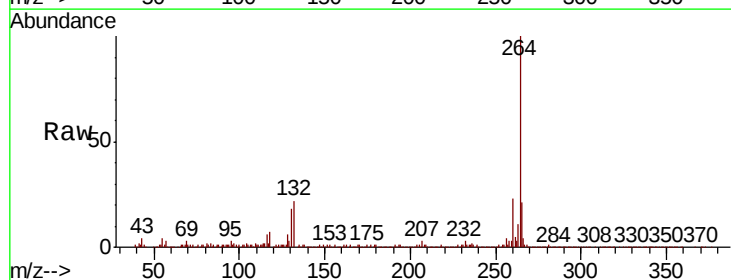
Tgt Ion:264 Resp: 335570

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

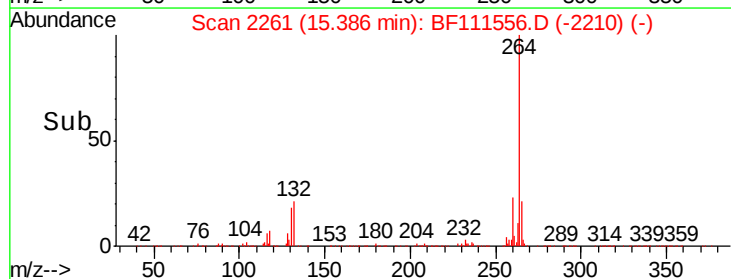
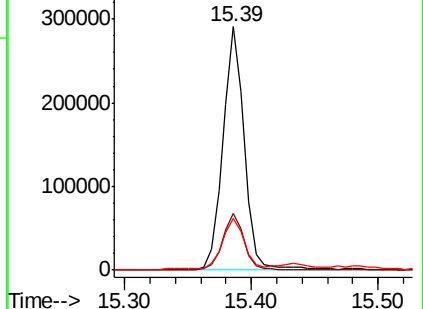
265 21.3 17.7 26.5

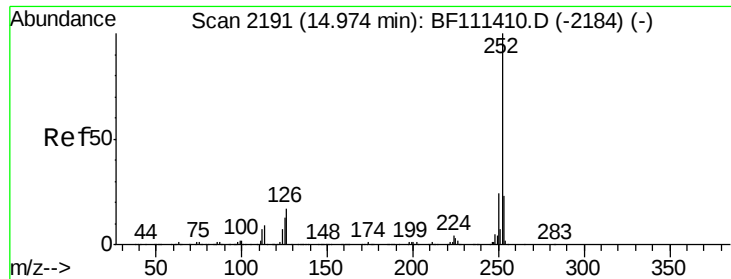


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

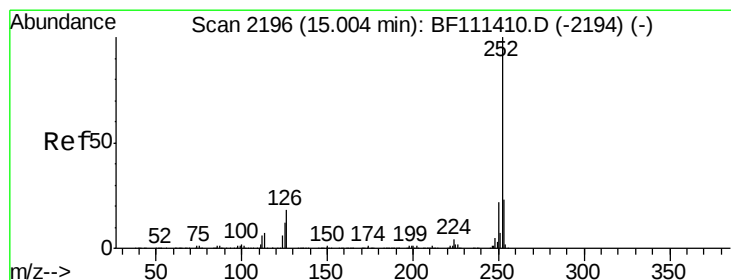
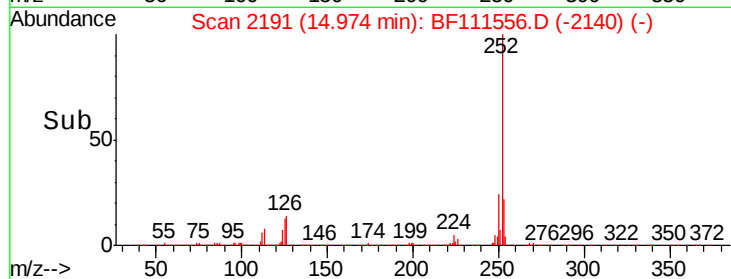
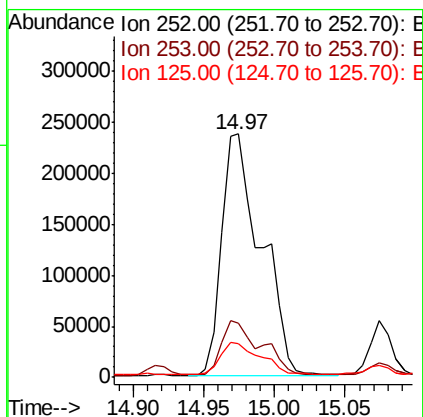
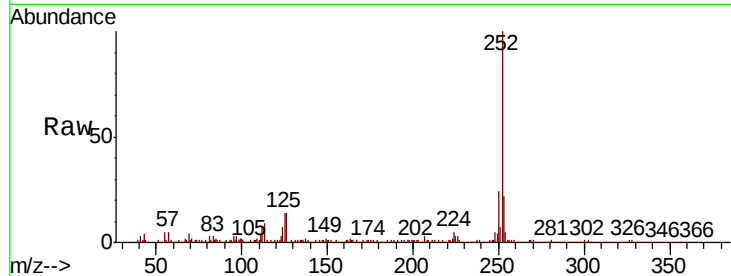




#88
Benzo(b)fluoranthene
Concen: 23.912 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

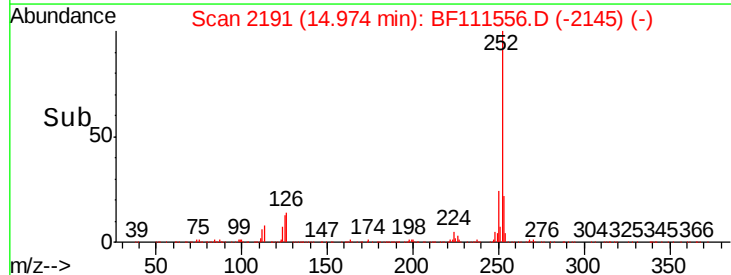
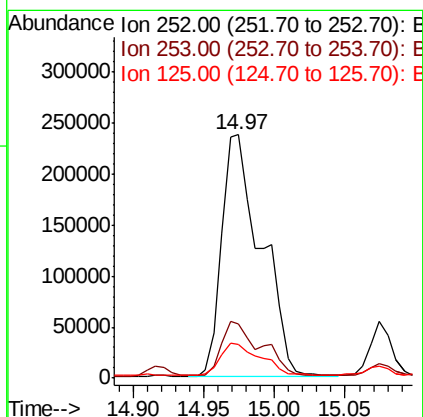
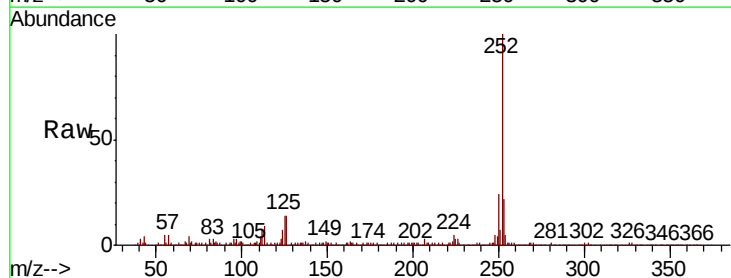
Instrument :
BNA_F
ClientSampleId :
TP-4-B

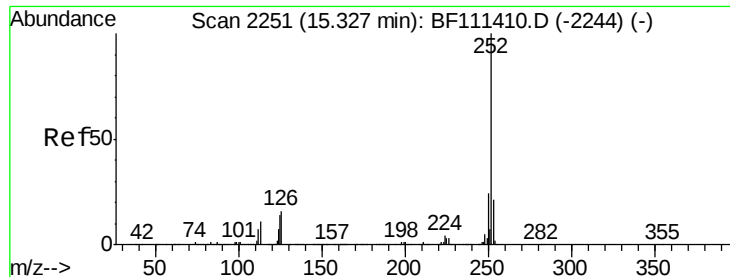
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	13.9	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 25.025 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111556.D
Acq: 17 Dec 2018 23:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	13.9	9.8	14.8





#90

Benzo(a)pyrene

Concen: 13.945 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

Instrument :

BNA_F

ClientSampled :

TP-4-B

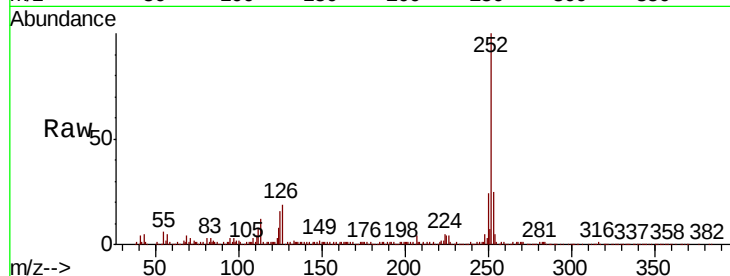
Tgt Ion:252 Resp: 246013

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

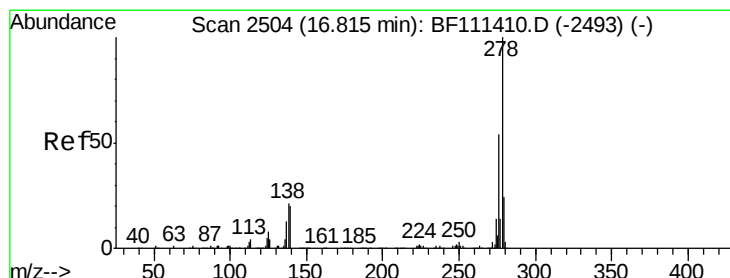
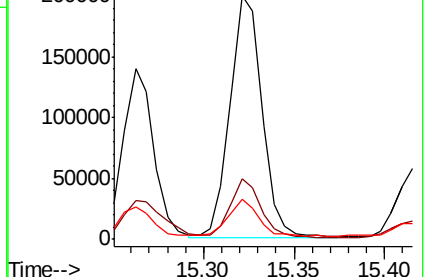
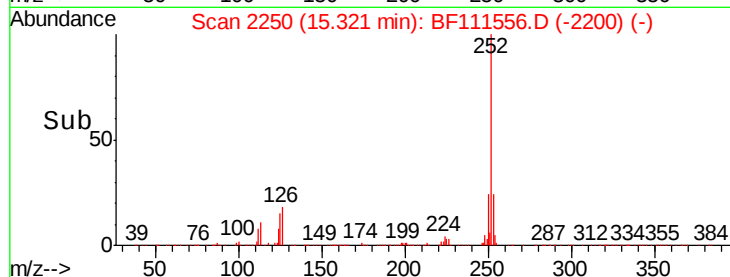
125 16.5 12.3 18.5



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



#91

Dibenzo(a,h)anthracene

Concen: 2.357 ng

RT: 16.80 min Scan# 2502

Delta R.T. -0.01 min

Lab File: BF111556.D

Acq: 17 Dec 2018 23:12

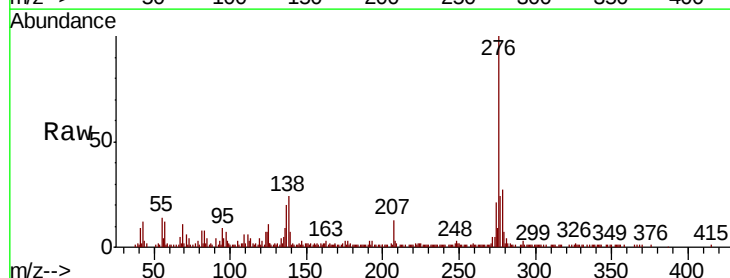
Tgt Ion:278 Resp: 32798

Ion Ratio Lower Upper

278 100

139 27.8 18.2 27.4#

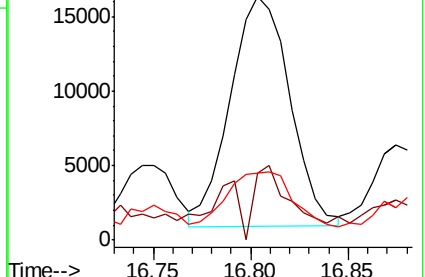
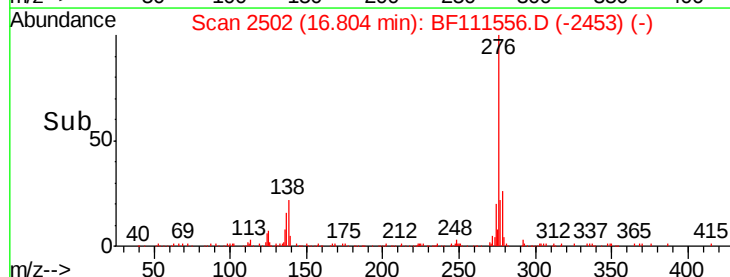
279 27.3 19.0 28.6

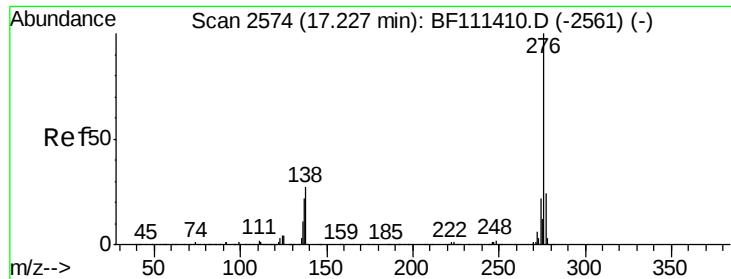


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

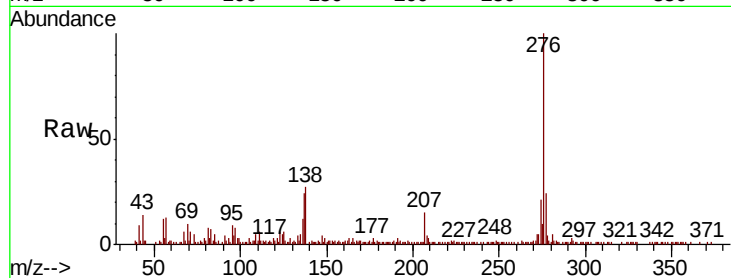




#92
 Benzo(g,h,i)perylene
 Concen: 7.990 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF111556.D
 Acq: 17 Dec 2018 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-B

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	27.5	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

