

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111563.D
 Acq On : 18 Dec 2018 2:26
 Operator : JU/SJ
 Sample : J6403-49
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-A

Quant Time: Dec 18 04:15:30 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	134898	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	522542	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	335221	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	503763	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	364060	20.00	ng	0.00
87) Perylene-d12	15.39	264	315518	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	790968	97.57	ng	0.00
7) Phenol-d6	6.44	99	1033031	95.80	ng	0.00
23) Nitrobenzene-d5	7.35	82	559780	63.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	245630	81.80	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1417907	65.33	ng	-0.01
79) Terphenyl-d14	12.89	244	958204	61.81	ng	0.00

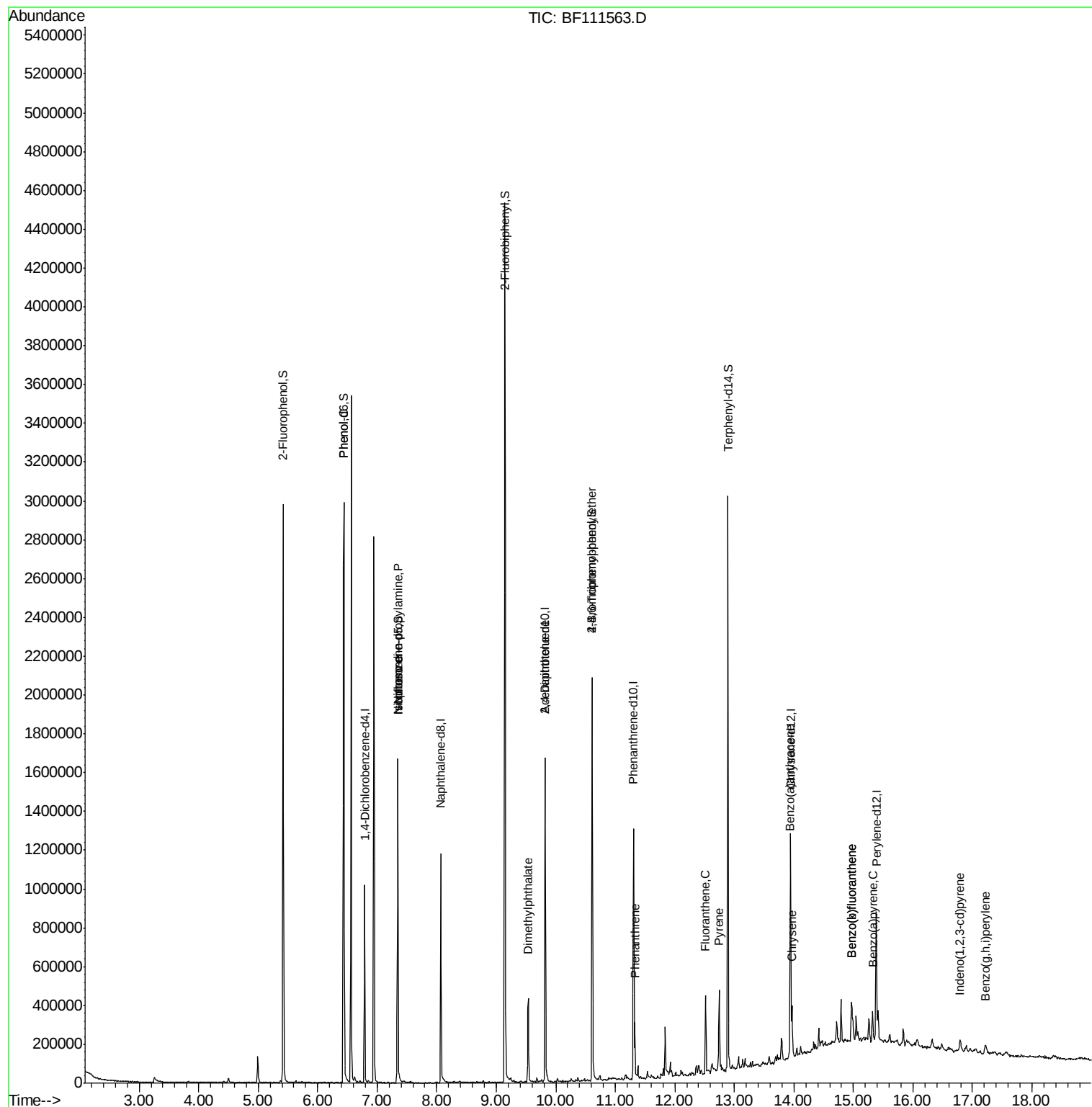
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	49559	4.126	ng	85
19) n-Nitroso-di-n-propylamine	7.35	70	74394	10.457	ng	# 80
25) Isophorone	7.35	82	559771	37.701	ng	# 64
50) Dimethylphthalate	9.54	163	186782	7.737	ng	98
57) 2,4-Dinitrotoluene	9.82	165	44172	6.193	ng	# 24
67) 4-Bromophenyl-phenylether	10.61	248	15152	2.791	ng	# 1
71) Phenanthrene	11.33	178	100265	3.863	ng	93
75) Fluoranthene	12.52	202	167518	6.597	ng	99
78) Pyrene	12.74	202	160808	6.265	ng	94
81) Benzo(a)anthracene	13.93	228	91466	4.621	ng	99
83) Chrysene	13.97	228	91581	4.392	ng	97
86) Indeno(1,2,3-cd)pyrene	16.79	276	33421	2.221	ng	96
88) Benzo(b)fluoranthene	14.97	252	143371	7.794	ng	98
89) Benzo(k)fluoranthene	14.97	252	143371	8.157	ng	97
90) Benzo(a)pyrene	15.32	252	72983	4.400	ng	97
92) Benzo(g,h,i)perylene	17.22	276	34487	2.685	ng	# 89

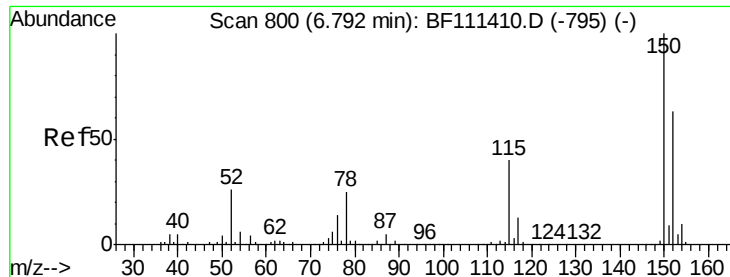
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF111563.D

Acq: 18 Dec 2018 2:26

Instrument :

BNA_F

ClientSampleId :

TP-7-A

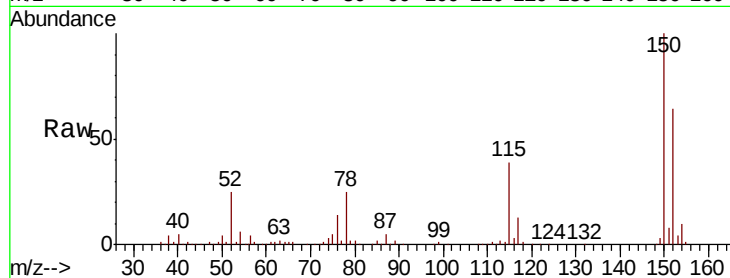
Tgt Ion:152 Resp: 134898

Ion Ratio Lower Upper

152 100

150 157.4 126.6 189.8

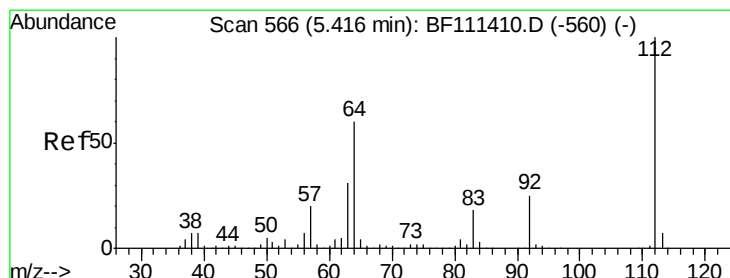
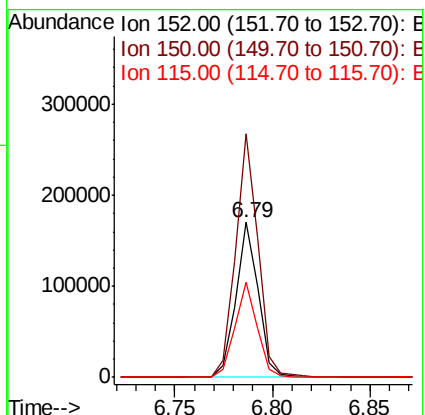
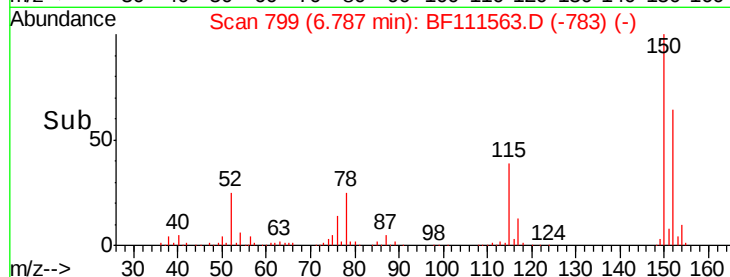
115 61.6 50.7 76.1



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: 97.571 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111563.D

Acq: 18 Dec 2018 2:26

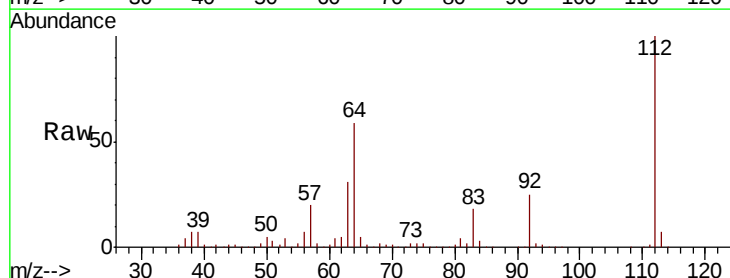
Tgt Ion:112 Resp: 790968

Ion Ratio Lower Upper

112 100

64 58.6 51.8 77.6

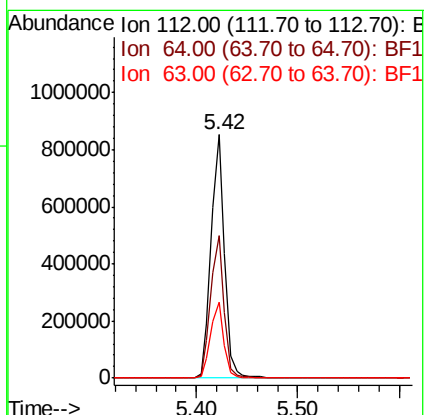
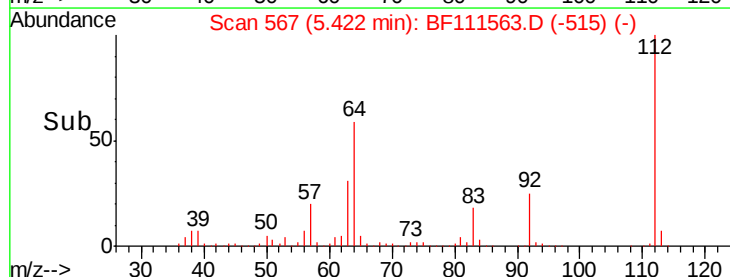
63 31.2 26.8 40.2



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: 95.801 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111563.D

Acq: 18 Dec 2018 2:26

Instrument :

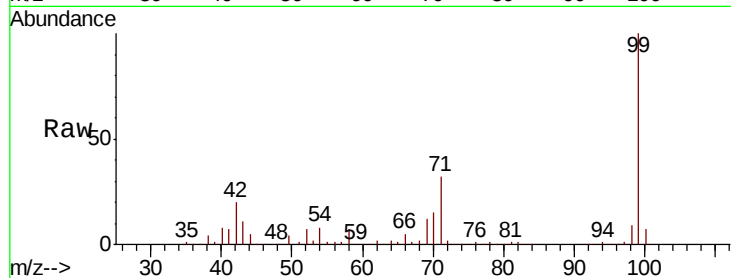
BNA_F

ClientSampled :

TP-7-A

Tgt Ion: 99 Resp: 1033031

Ion	Ratio	Lower	Upper
99	100		
42	20.1	17.4	26.0
71	31.6	26.1	39.1

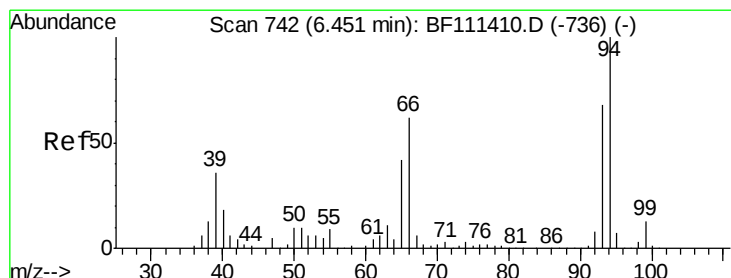
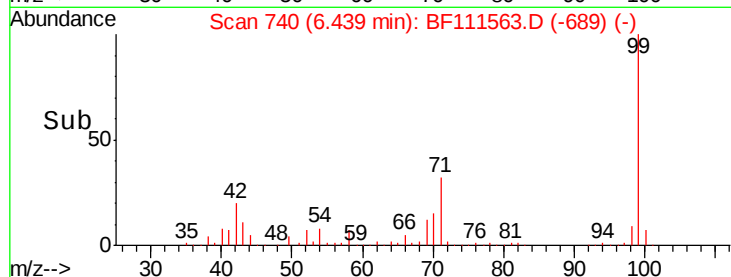


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.126 ng

RT: 6.45 min Scan# 741

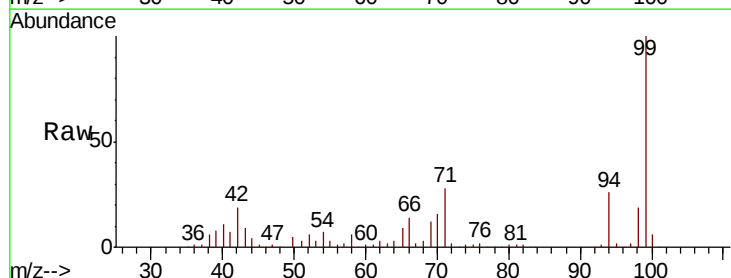
Delta R.T. -0.01 min

Lab File: BF111563.D

Acq: 18 Dec 2018 2:26

Tgt Ion: 94 Resp: 49559

Ion	Ratio	Lower	Upper
94	100		
65	35.1	11.7	51.7
66	54.4	21.0	61.0

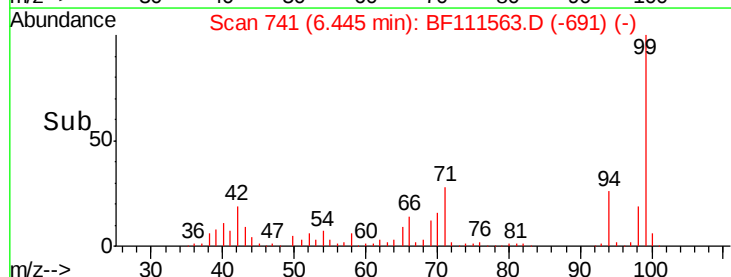


Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

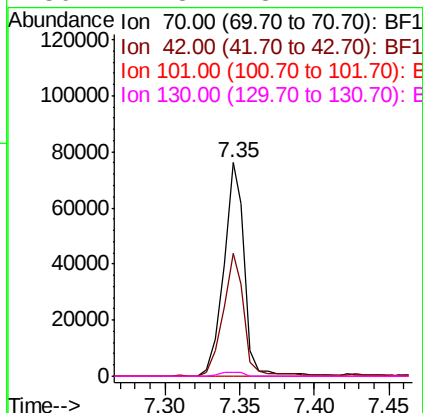
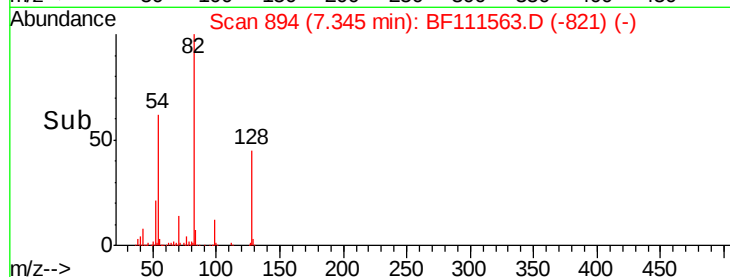
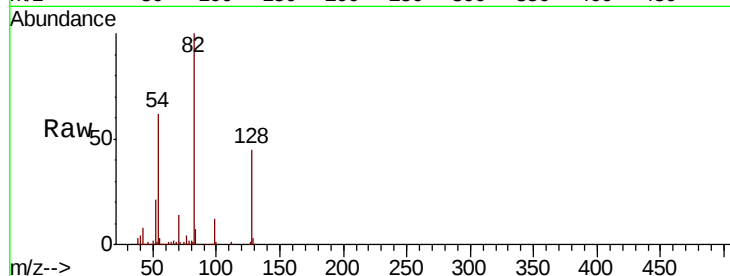




#19
n-Nitroso-di-n-propylamine
Concen: 10.457 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.13 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

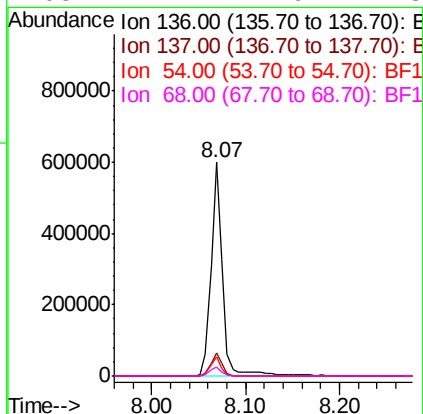
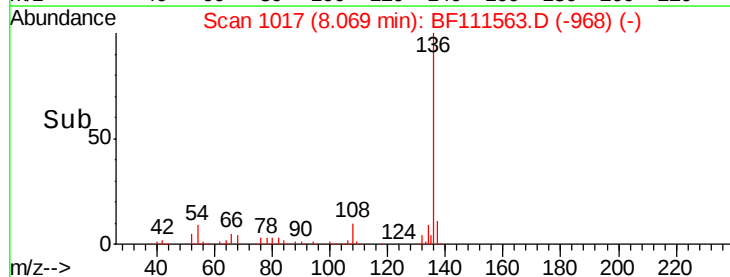
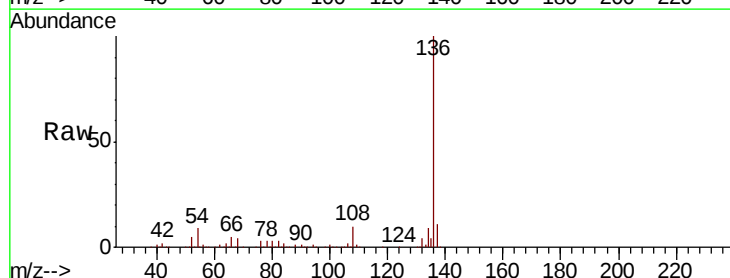
Instrument :
BNA_F
ClientSampleId :
TP-7-A

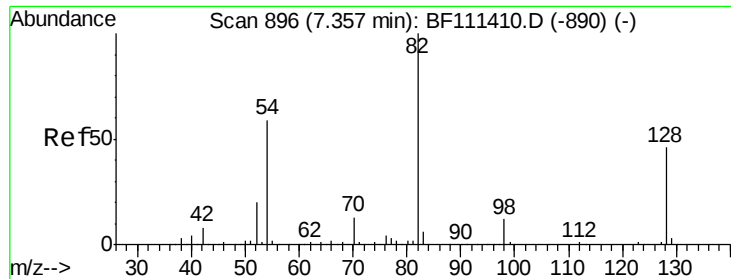
Tgt Ion: 70 Resp: 74394
Ion Ratio Lower Upper
70 100
42 57.3 53.2 79.8
101 0.0 8.2 12.4#
130 1.8 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Tgt Ion: 136 Resp: 522542
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.0 7.7 11.5
68 4.1 4.9 7.3#

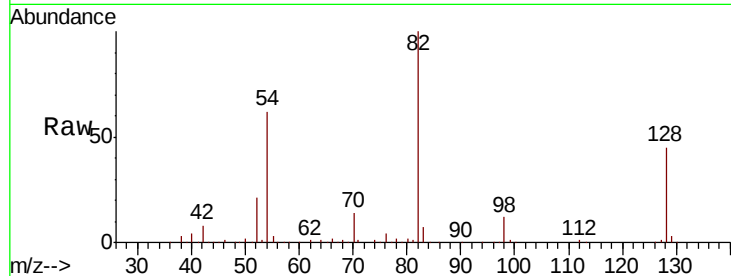




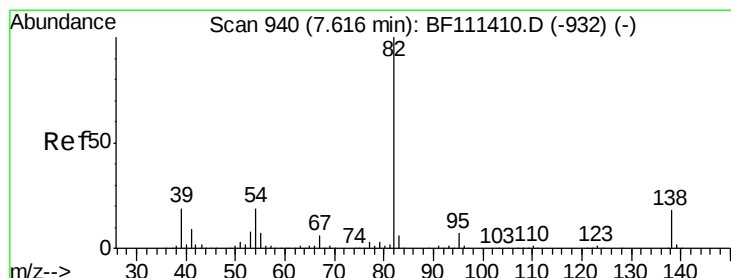
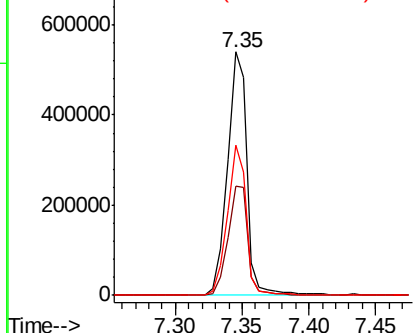
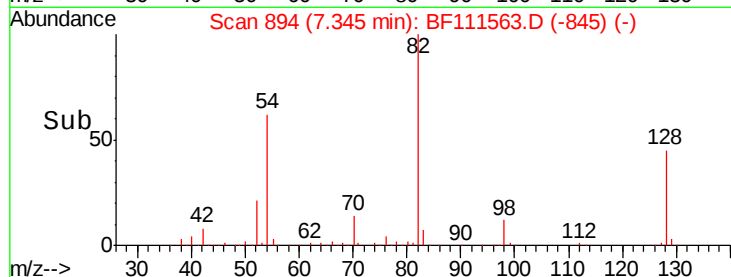
#23
Nitrobenzene-d5
Concen: 63.792 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Instrument :
BNA_F
ClientSampleId :
TP-7-A

Tgt Ion: 82 Resp: 559780
Ion Ratio Lower Upper
82 100
128 44.9 37.4 56.2
54 61.9 47.6 71.4

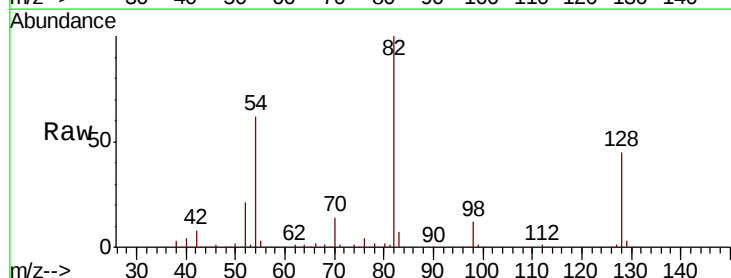


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

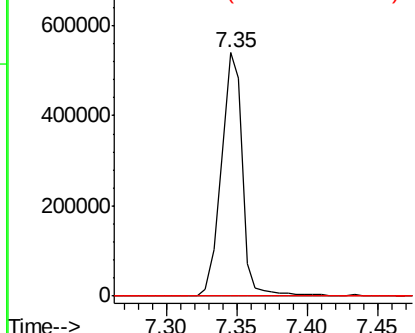
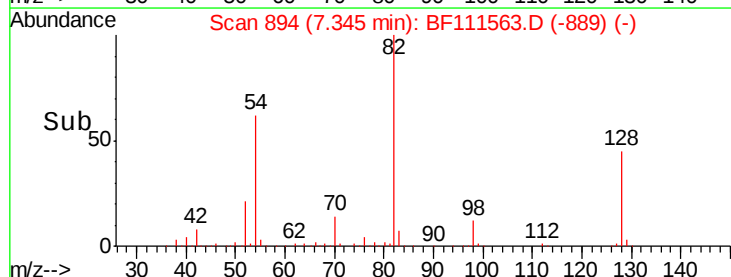


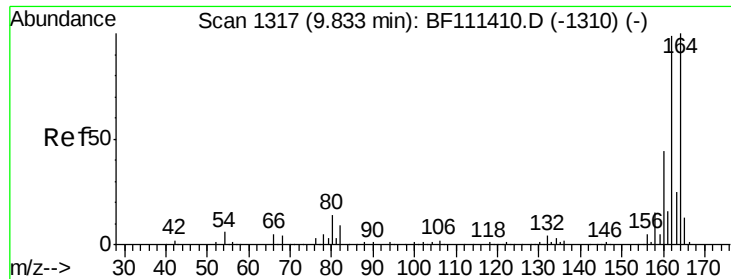
#25
Isophorone
Concen: 37.701 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.27 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Tgt Ion: 82 Resp: 559771
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: BF111563.D

Acq: 18 Dec 2018 2:26

Instrument :

BNA_F

ClientSampleId :

TP-7-A

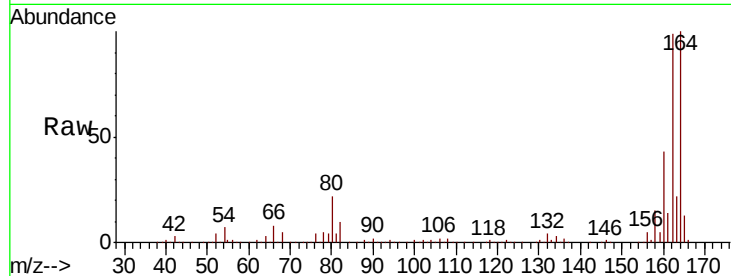
Tgt Ion:164 Resp: 335221

Ion Ratio Lower Upper

164 100

162 99.3 81.4 122.0

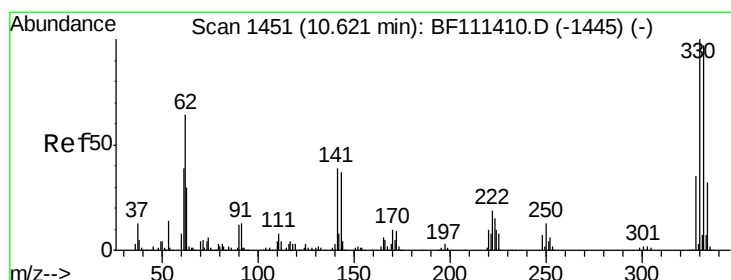
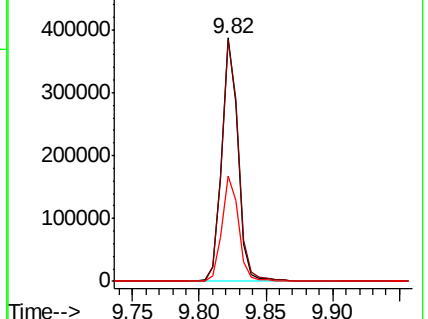
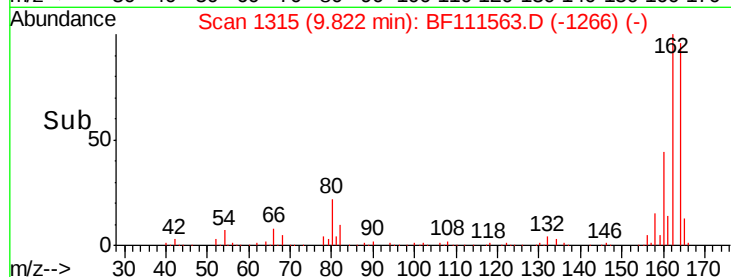
160 43.2 35.7 53.5



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: 81.798 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111563.D

Acq: 18 Dec 2018 2:26

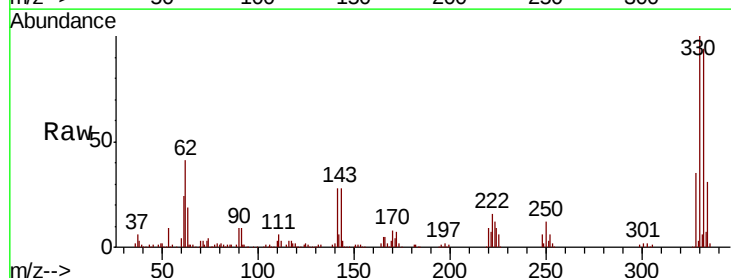
Tgt Ion:330 Resp: 245630

Ion Ratio Lower Upper

330 100

332 93.2 76.0 114.0

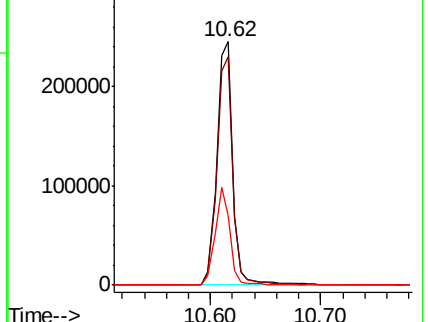
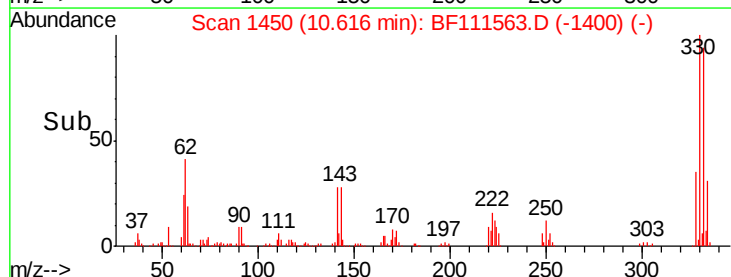
141 37.1 31.0 46.6

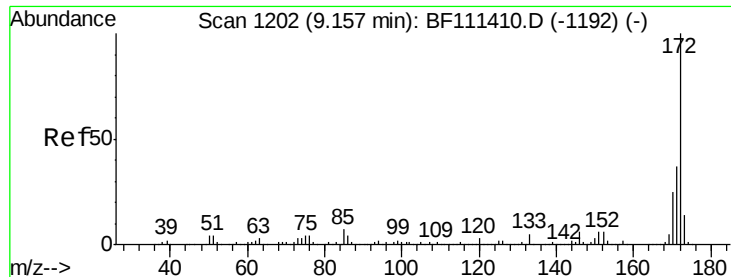


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

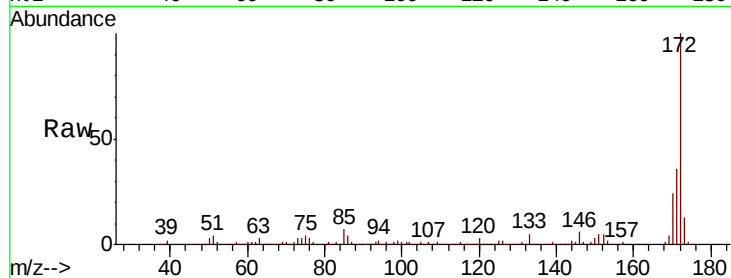




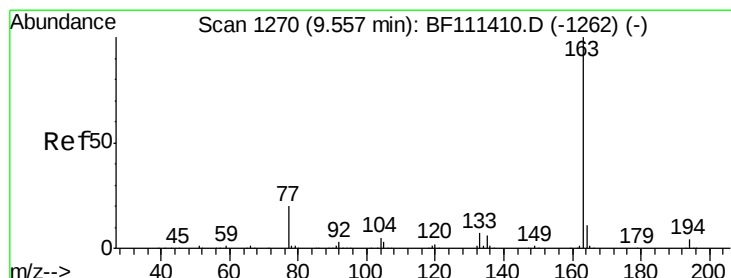
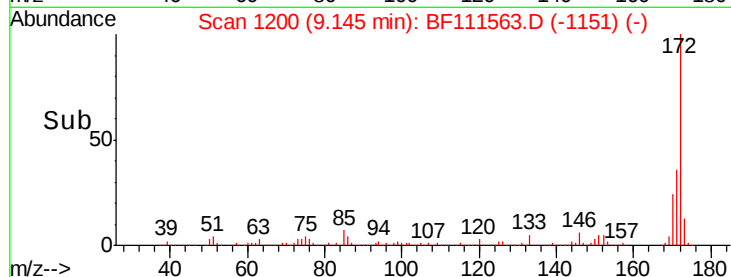
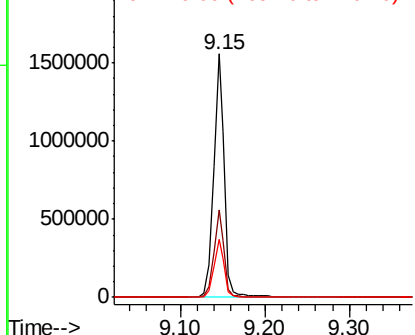
#45
2-Fluorobiphenyl
Concen: 65.335 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Instrument :
BNA_F
ClientSampleId :
TP-7-A

Tgt Ion:172 Resp: 1417907
Ion Ratio Lower Upper
172 100
171 35.8 33.0 49.4
170 23.6 22.3 33.5

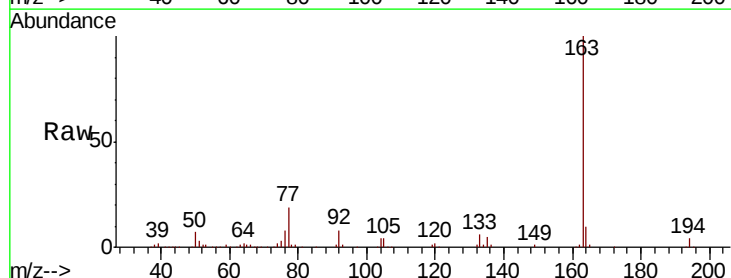


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

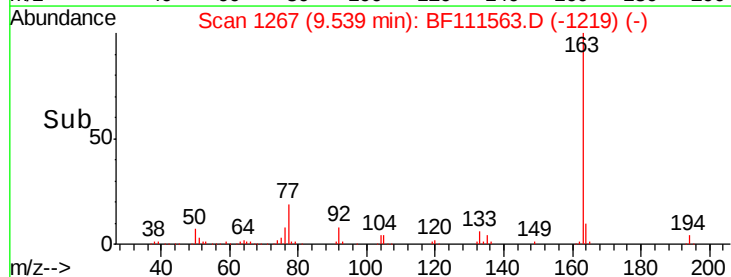
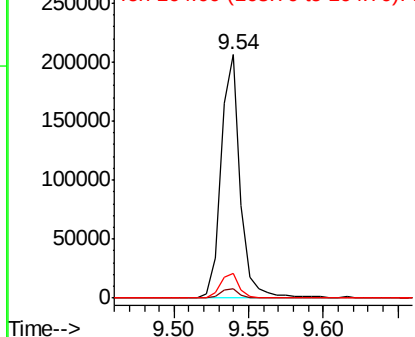


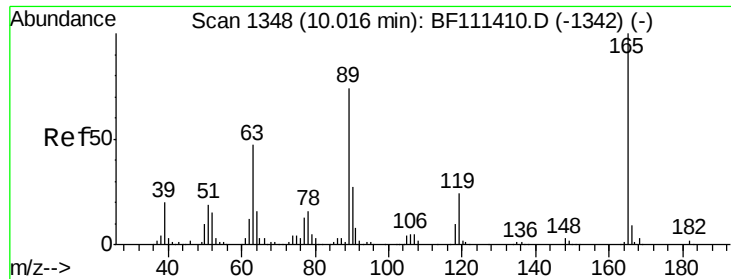
#50
Dimethylphthalate
Concen: 7.737 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Tgt Ion:163 Resp: 186782
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.2 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

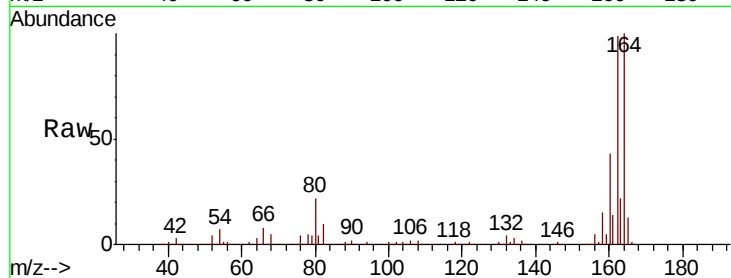




#57
2,4-Dinitrotoluene
Concen: 6.193 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Instrument :
BNA_F
ClientSampleId :
TP-7-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.6	52.0#
89	1.1	56.2	84.4#
182	0.0	1.8	2.6#

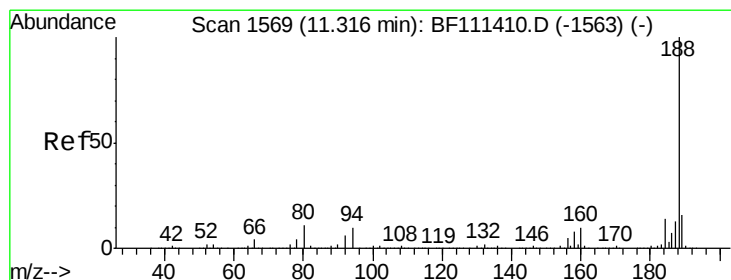
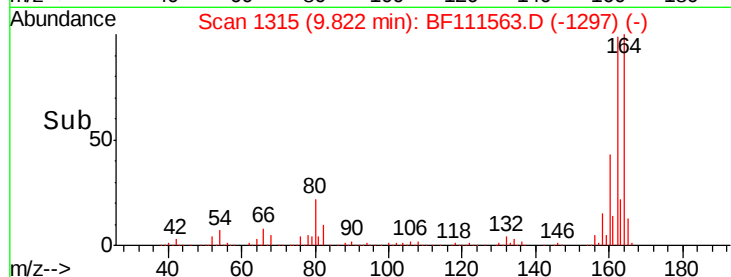
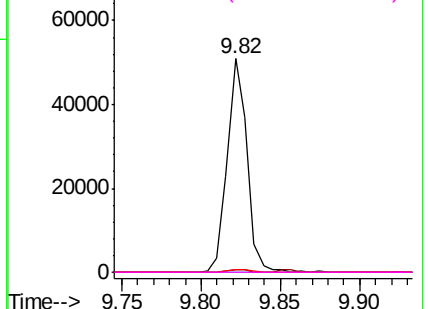


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

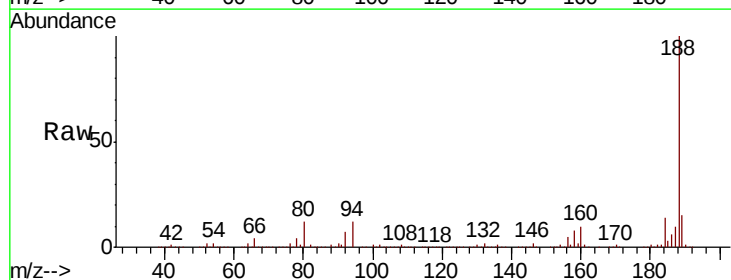
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

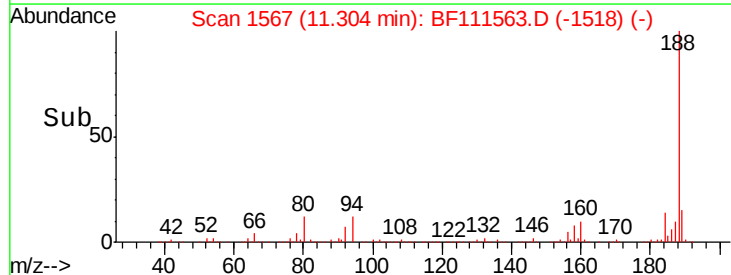
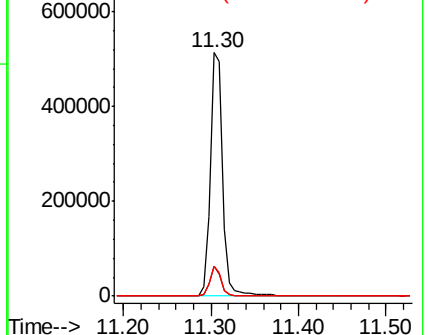
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.6	14.4
80	12.4	9.8	14.6

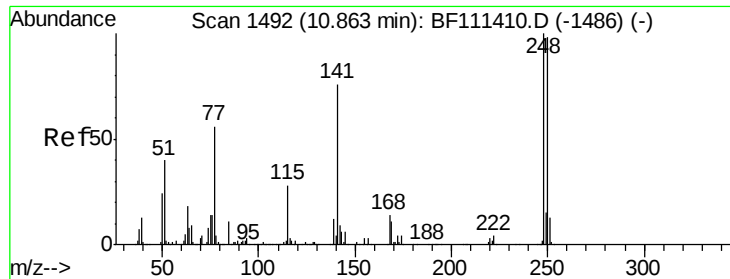


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

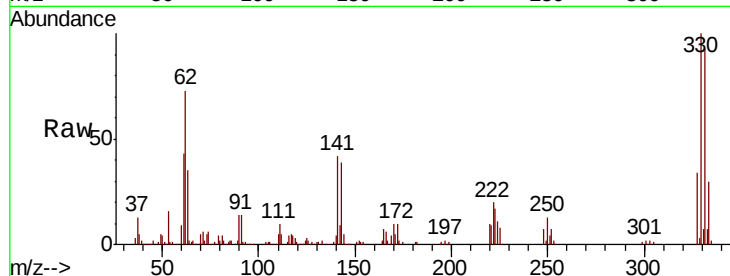




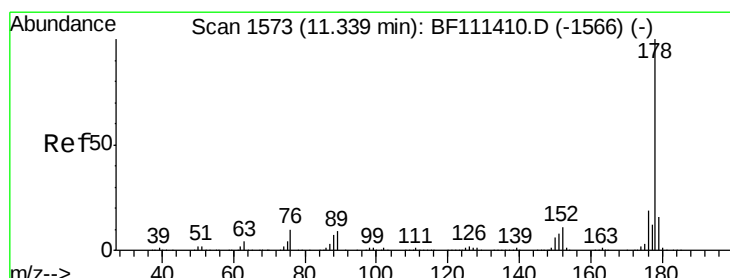
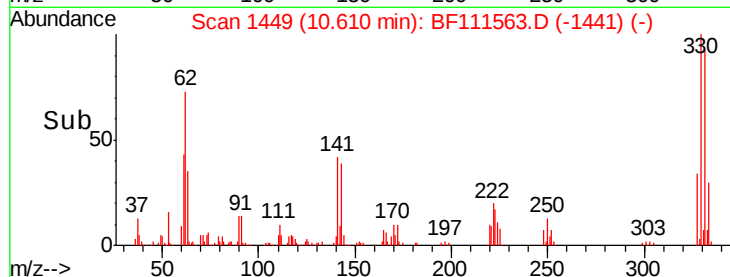
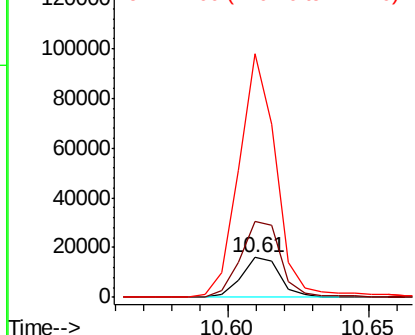
#67
 4-Bromophenyl-phenylether
 Concen: 2.791 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.25 min
 Lab File: BF111563.D
 Acq: 18 Dec 2018 2:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-A

Tgt Ion: 248 Resp: 15152
 Ion Ratio Lower Upper
 248 100
 250 189.8 77.0 115.4#
 141 608.5 63.0 94.6#

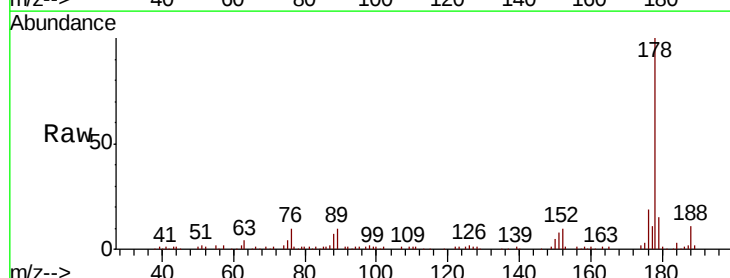


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

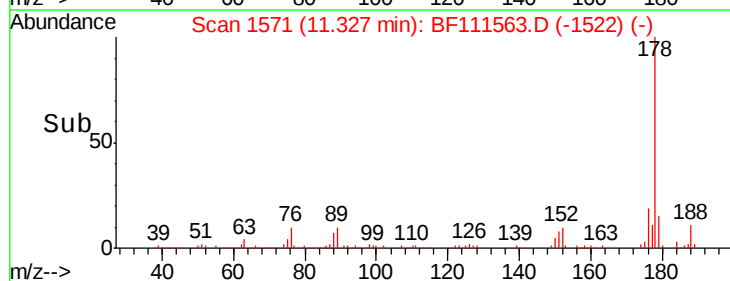
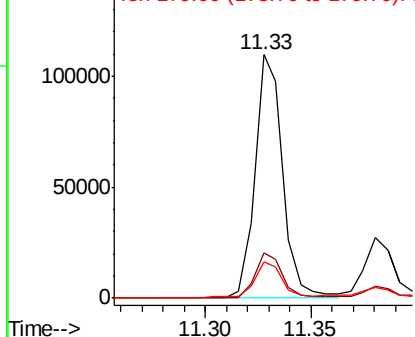


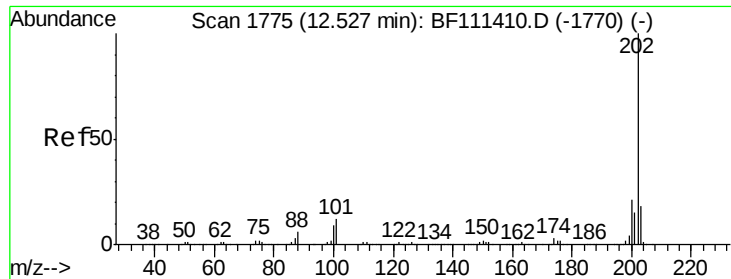
#71
 Phenanthrene
 Concen: 3.863 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF111563.D
 Acq: 18 Dec 2018 2:26

Tgt Ion: 178 Resp: 100265
 Ion Ratio Lower Upper
 178 100
 176 18.8 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





#75

Fluoranthene

Concen: 6.597 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF111563.D

Acq: 18 Dec 2018 2:26

Instrument :

BNA_F

ClientSampleId :

TP-7-A

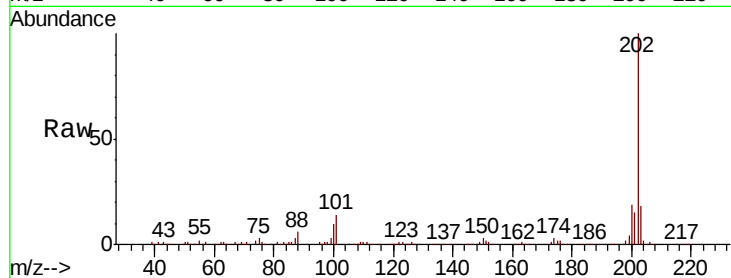
Tgt Ion:202 Resp: 167518

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.8

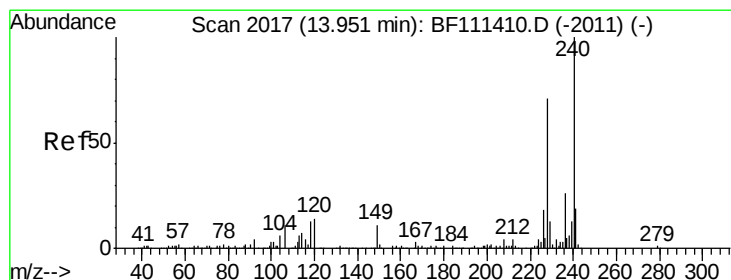
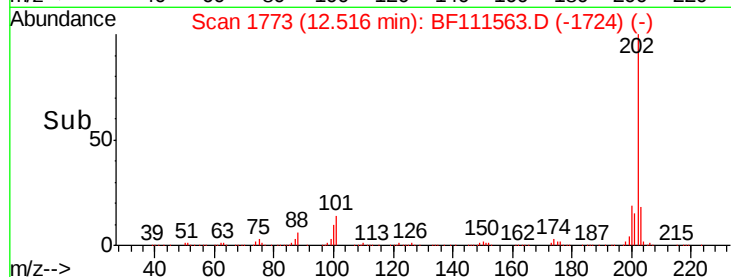
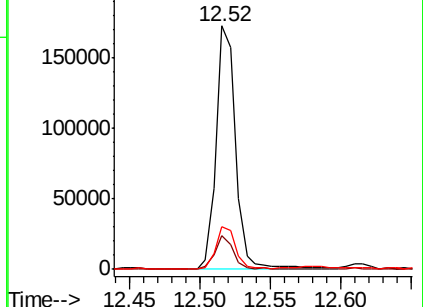
203 17.5 0.0 38.6



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: BF111563.D

Acq: 18 Dec 2018 2:26

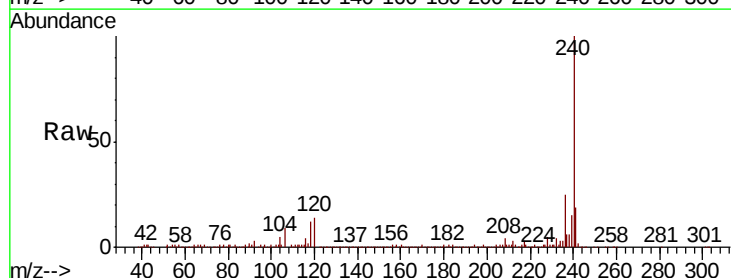
Tgt Ion:240 Resp: 364060

Ion Ratio Lower Upper

240 100

120 13.6 12.2 18.2

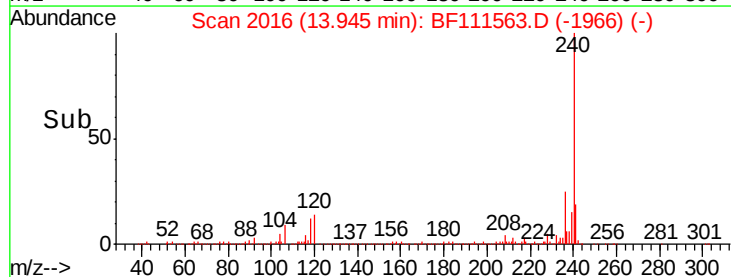
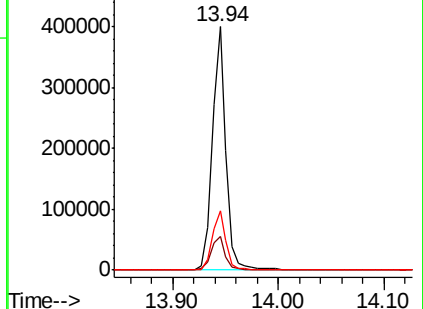
236 24.6 20.2 30.2

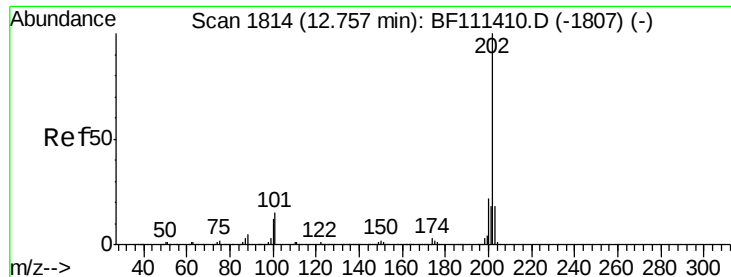


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

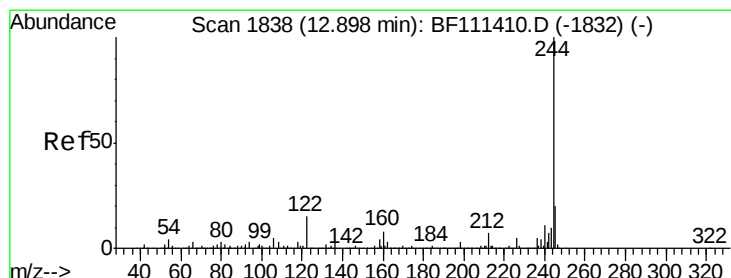
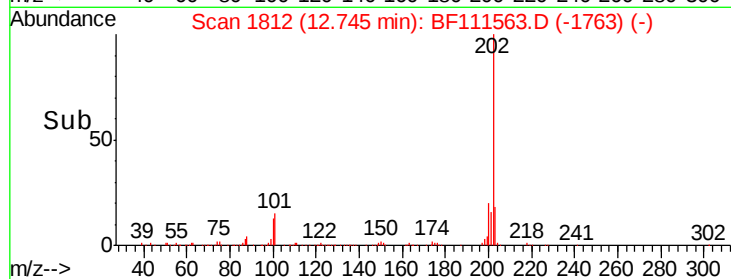
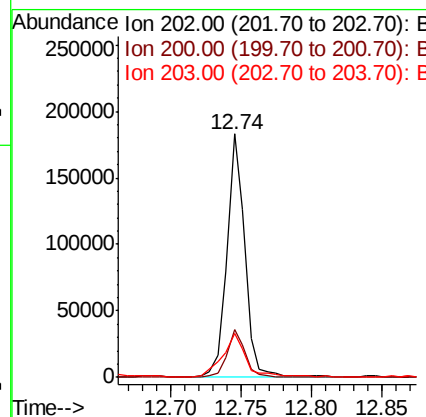
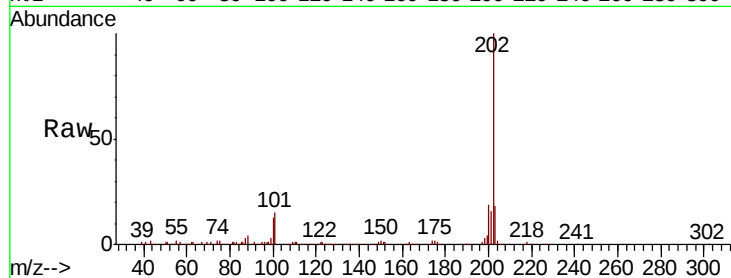




#78
 Pyrene
 Concen: 6.265 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF111563.D
 Acq: 18 Dec 2018 2:26

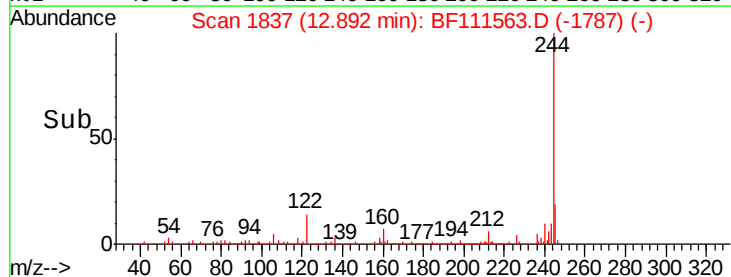
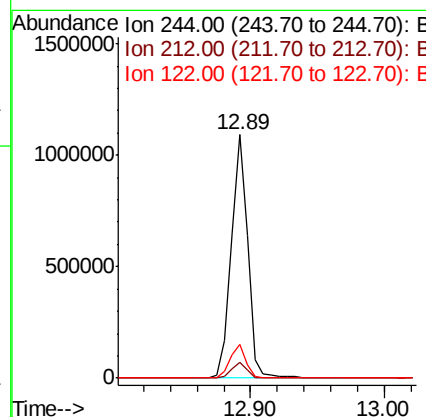
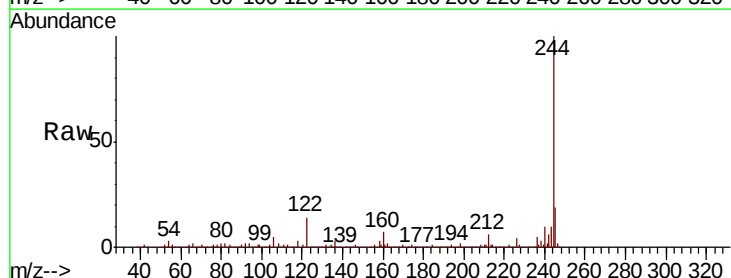
Instrument :
 BNA_F
 ClientSampleId :
 TP-7-A

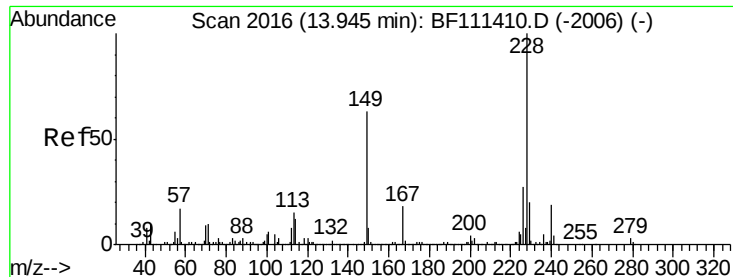
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	19.0	28.4
203	18.0	15.2	22.8



#79
 Terphenyl-d14
 Concen: 61.805 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111563.D
 Acq: 18 Dec 2018 2:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	13.7	13.1	19.7

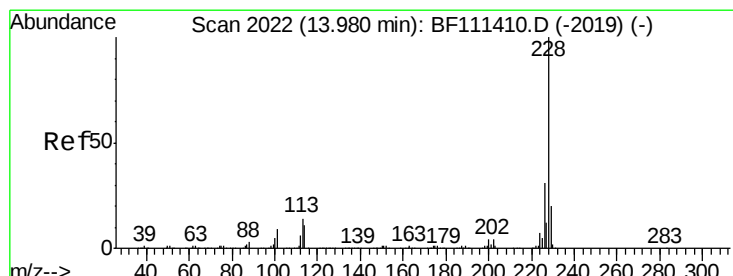
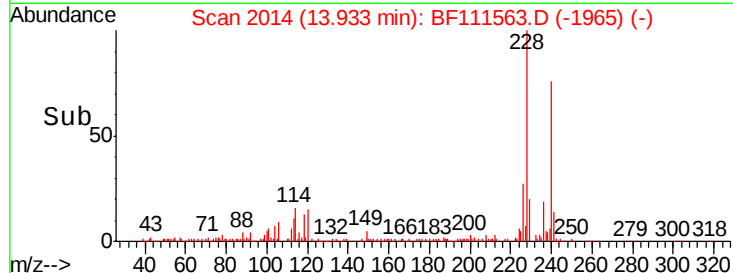
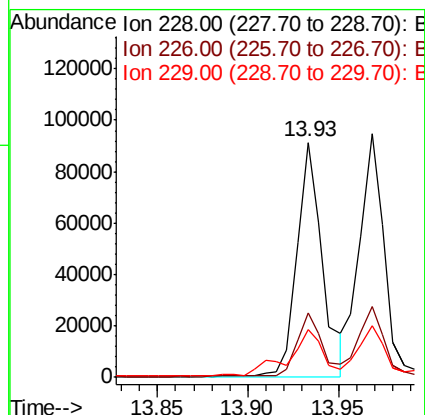
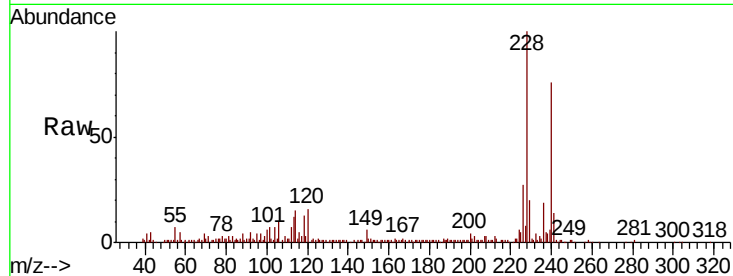




#81
Benzo(a)anthracene
Concen: 4.621 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

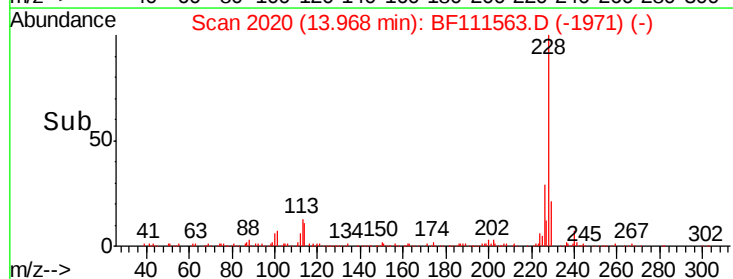
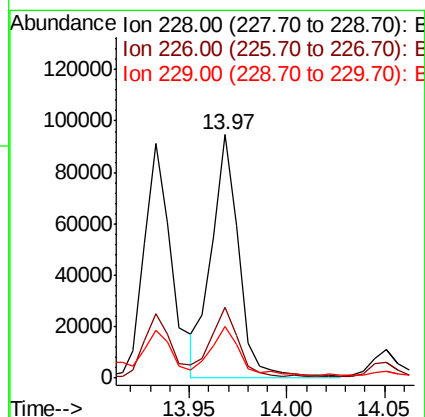
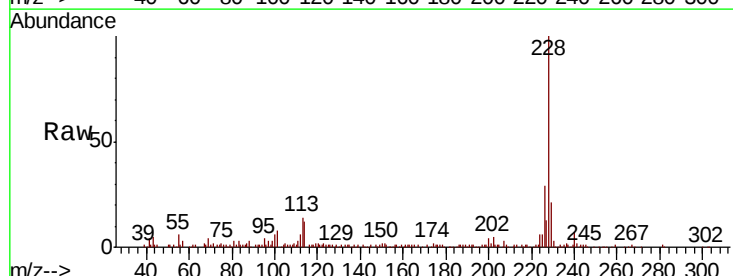
Instrument :
BNA_F
ClientSampleId :
TP-7-A

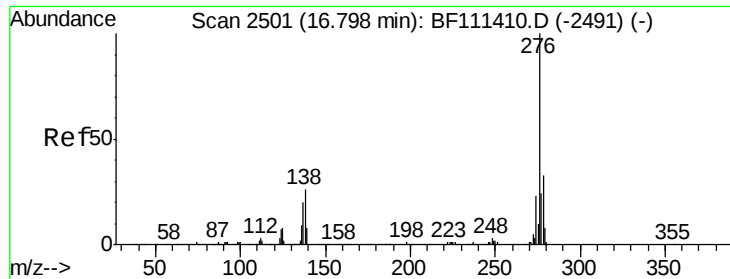
Tgt Ion: 228 Resp: 91466
Ion Ratio Lower Upper
228 100
226 27.4 22.6 34.0
229 20.4 16.3 24.5



#83
Chrysene
Concen: 4.392 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Tgt Ion: 228 Resp: 91581
Ion Ratio Lower Upper
228 100
226 29.0 25.3 37.9
229 21.4 17.2 25.8

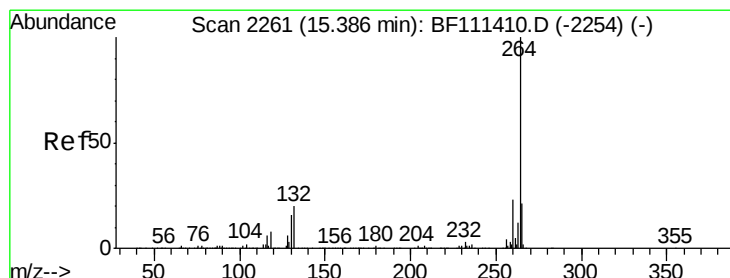
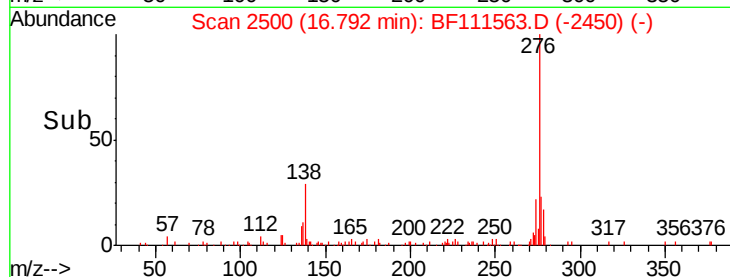
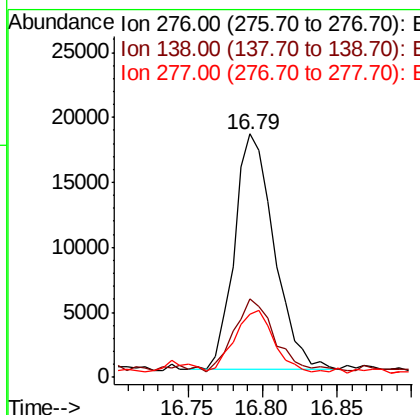
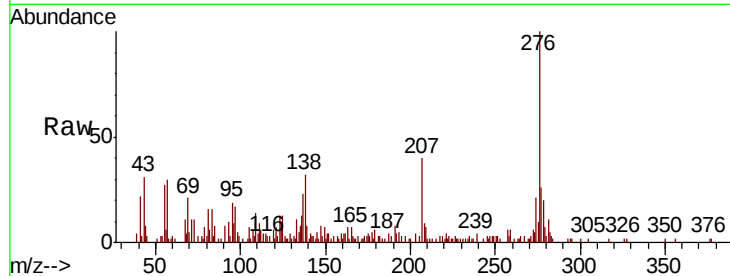




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.221 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.01 min
 Lab File: BF111563.D
 Acq: 18 Dec 2018 2:26

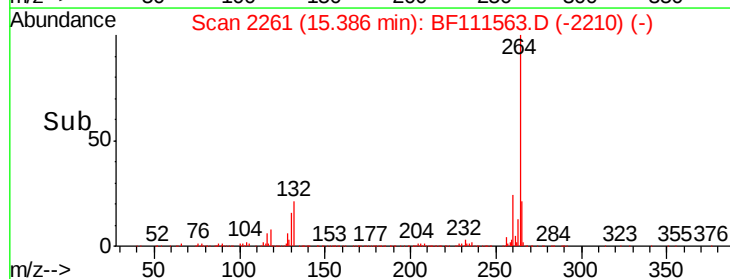
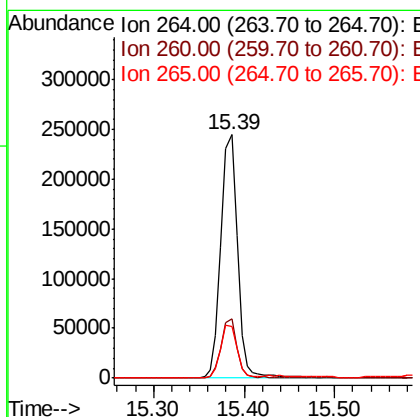
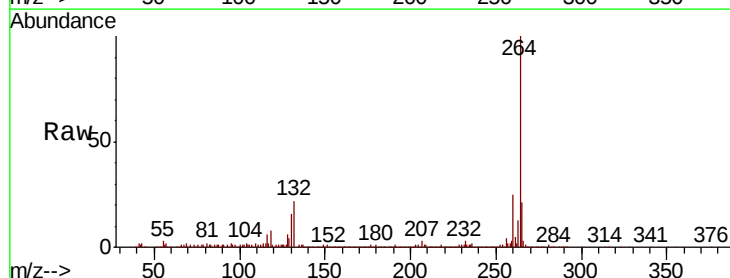
Instrument :
 BNA_F
 ClientSampleId :
 TP-7-A

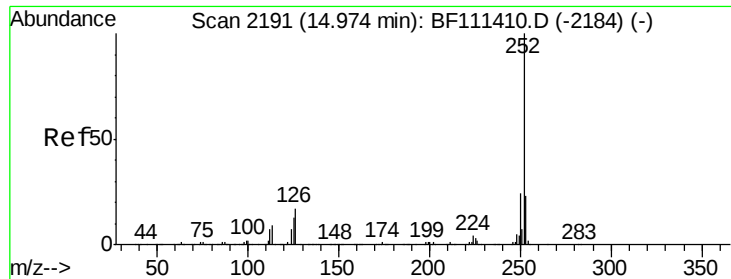
Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.4	27.8	41.6
277	25.8	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: BF111563.D
 Acq: 18 Dec 2018 2:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.3	27.5
265	21.4	17.7	26.5

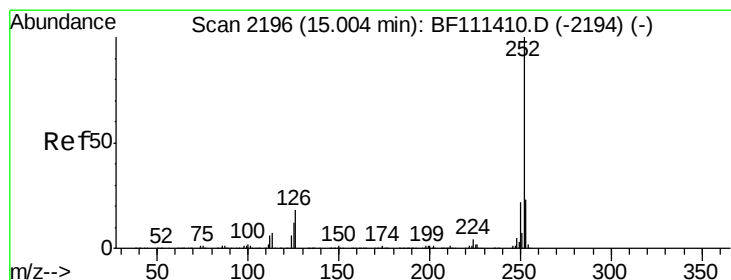
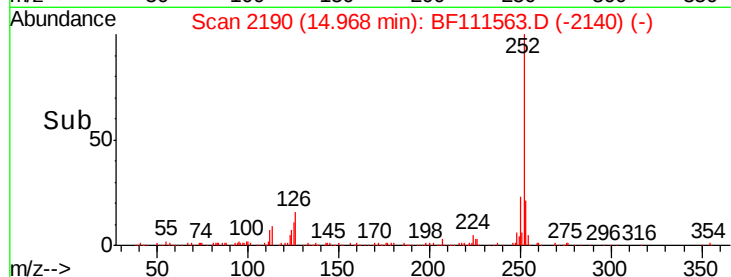
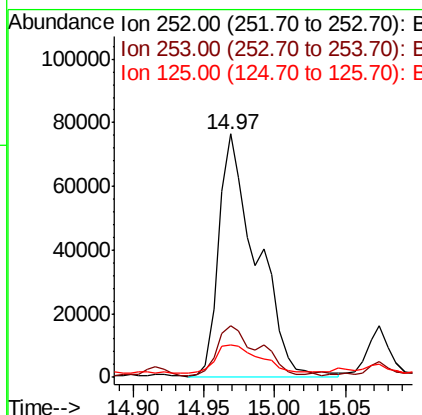
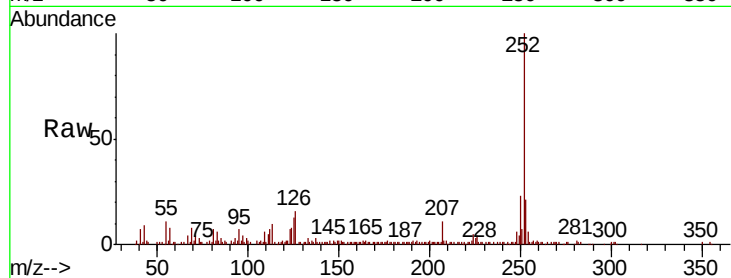




#88
Benzo(b)fluoranthene
Concen: 7.794 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

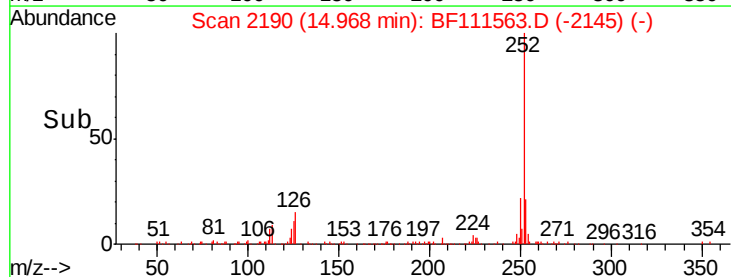
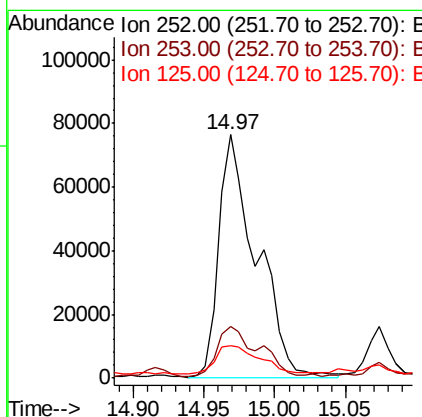
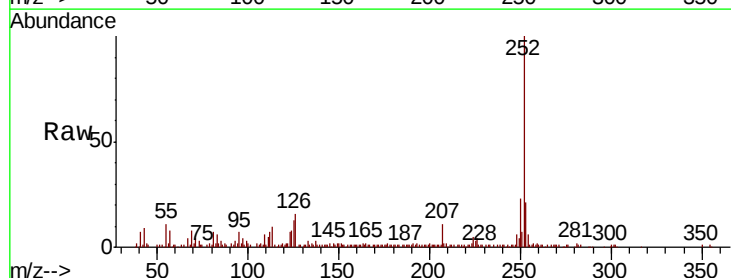
Instrument :
BNA_F
ClientSampled :
TP-7-A

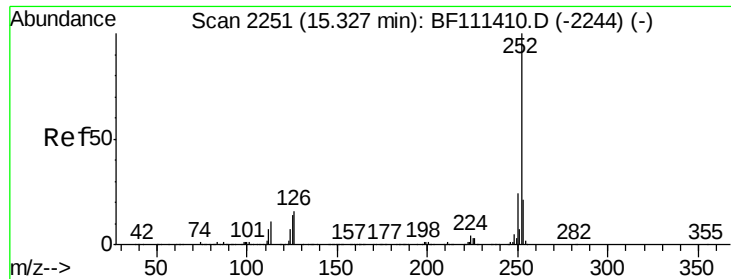
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	13.2	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 8.157 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111563.D
Acq: 18 Dec 2018 2:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	13.2	9.8	14.8





#90

Benzo(a)pyrene

Concen: 4.400 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111563.D

Acq: 18 Dec 2018 2:26

Instrument :

BNA_F

ClientSampleId :

TP-7-A

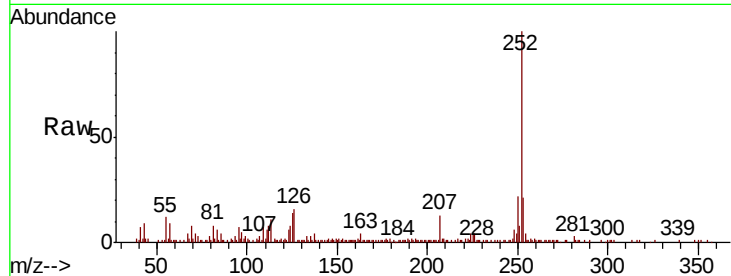
Tgt Ion:252 Resp: 72983

Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.8

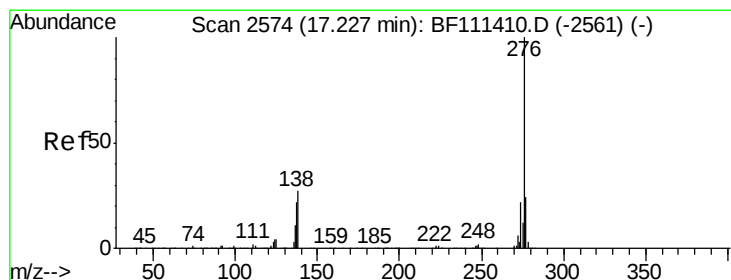
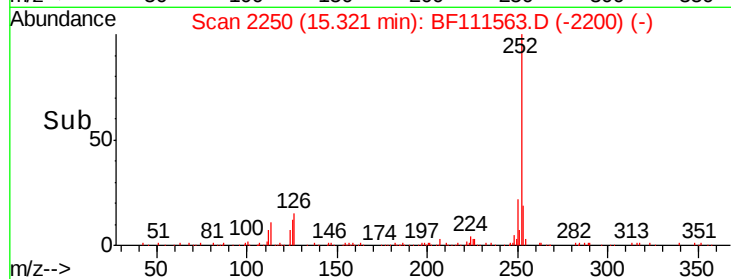
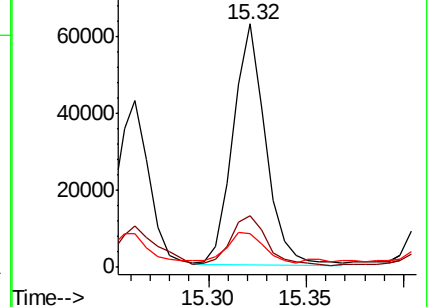
125 13.9 12.3 18.5



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: 2.685 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF111563.D

Acq: 18 Dec 2018 2:26

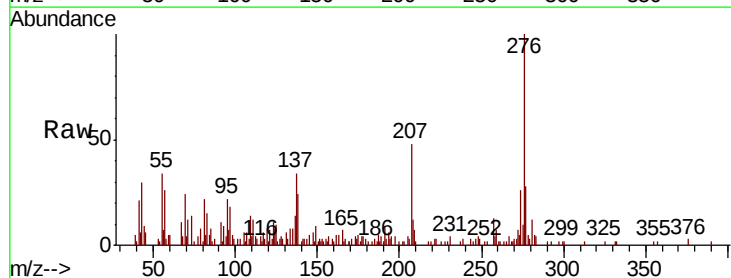
Tgt Ion:276 Resp: 34487

Ion Ratio Lower Upper

276 100

277 27.9 19.2 28.8

138 23.7 24.9 37.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

