

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111564.D
 Acq On : 18 Dec 2018 2:53
 Operator : JU/SJ
 Sample : J6403-53
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-B

Quant Time: Dec 18 04:15:41 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	135970	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	525235	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	224705	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	483796	20.00	ng	0.00
76) Chrysene-d12	13.94	240	406520	20.00	ng	0.00
87) Perylene-d12	15.39	264	337264	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1081751	132.39	ng	0.00
7) Phenol-d6	6.44	99	1205500	110.91	ng	0.00
23) Nitrobenzene-d5	7.35	82	723640	82.04	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	287245	142.70	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1264029	86.89	ng	-0.01
79) Terphenyl-d14	12.89	244	1184482	68.42	ng	0.00

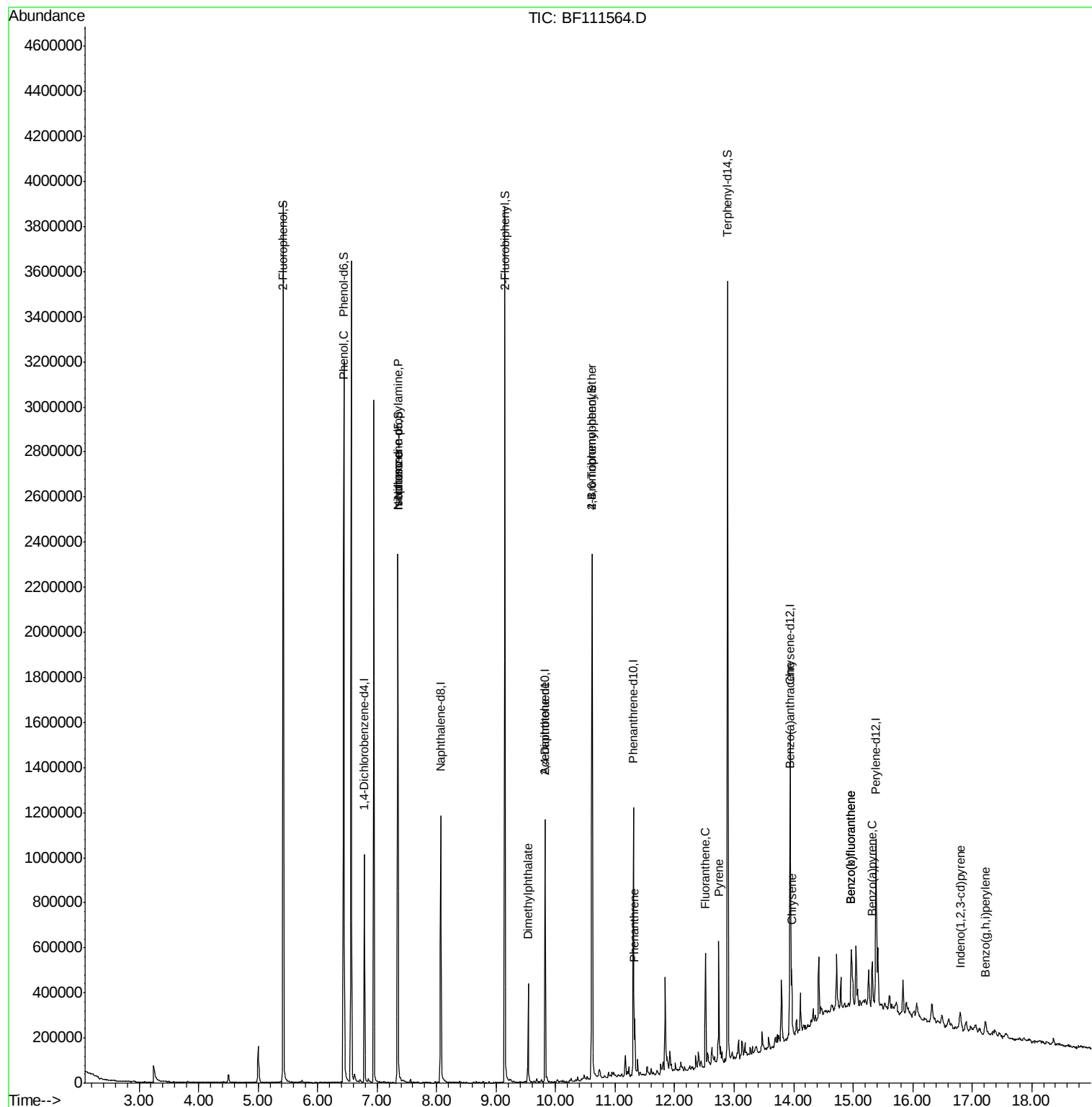
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	66842	5.521	ng	99
19) n-Nitroso-di-n-propylamine	7.35	70	95459	13.312	ng	# 82
25) Isophorone	7.35	82	723631	48.488	ng	# 64
50) Dimethylphthalate	9.54	163	172095	10.634	ng	98
57) 2,4-Dinitrotoluene	9.82	165	28863	6.037	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	18162	3.483	ng	# 1
71) Phenanthrene	11.33	178	106280	4.263	ng	# 92
75) Fluoranthene	12.52	202	209423	8.587	ng	99
78) Pyrene	12.74	202	207127	7.227	ng	95
81) Benzo(a)anthracene	13.93	228	117499	5.316	ng	98
83) Chrysene	13.97	228	107232	4.605	ng	98
86) Indeno(1,2,3-cd)pyrene	16.80	276	46835	2.787	ng	94
88) Benzo(b)fluoranthene	14.97	252	181927	9.252	ng	98
89) Benzo(k)fluoranthene	14.97	252	181927	9.683	ng	97
90) Benzo(a)pyrene	15.32	252	92602	5.223	ng	97
92) Benzo(g,h,i)perylene	17.22	276	48084	3.502	ng	96

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

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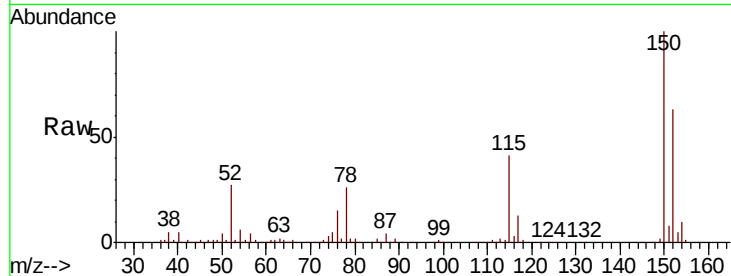




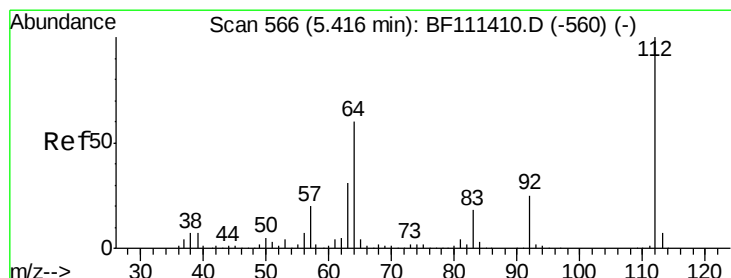
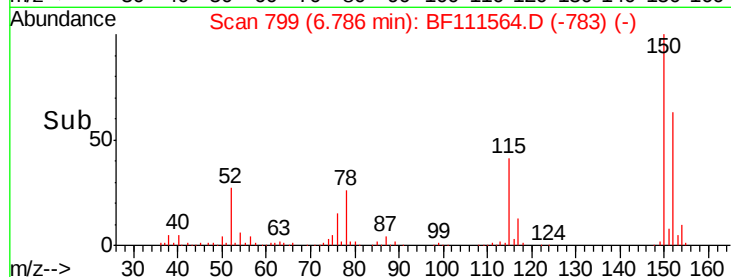
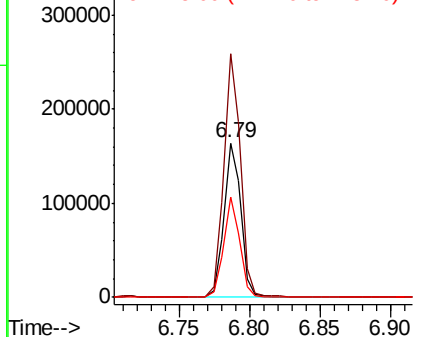
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-B

Tgt Ion:152 Resp: 135970
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.6 189.8
 115 64.8 50.7 76.1

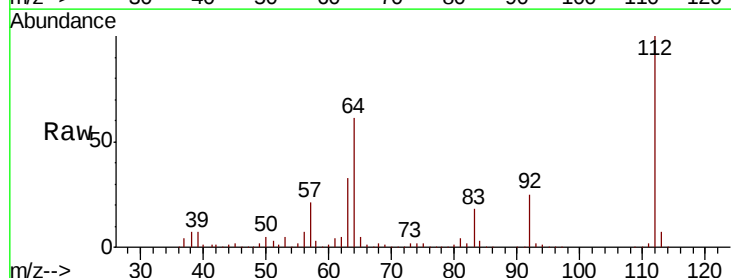


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

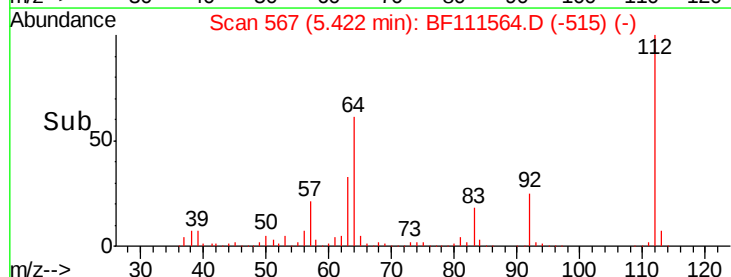
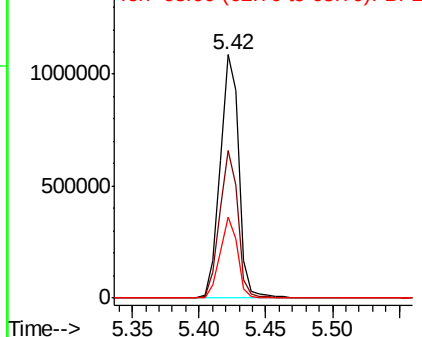


#5
 2-Fluorophenol
 Concen: 132.389 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

Tgt Ion:112 Resp: 1081751
 Ion Ratio Lower Upper
 112 100
 64 60.6 51.8 77.6
 63 33.1 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: 110.913 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

Instrument :

BNA_F

ClientSampleId :

TP-7-B

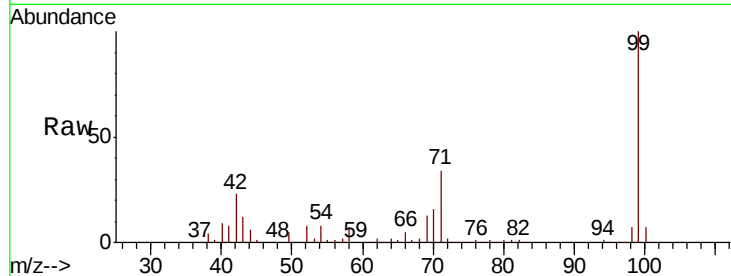
Tgt Ion: 99 Resp: 1205500

Ion Ratio Lower Upper

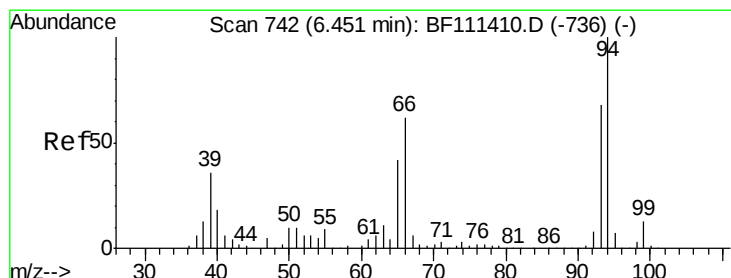
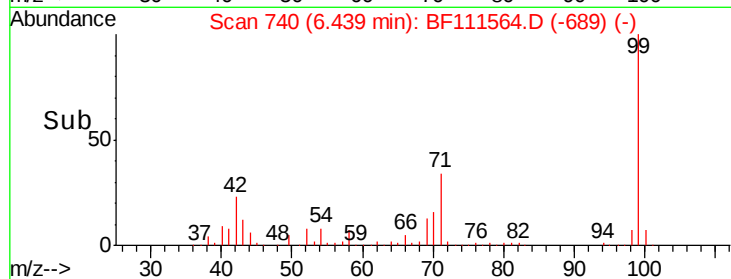
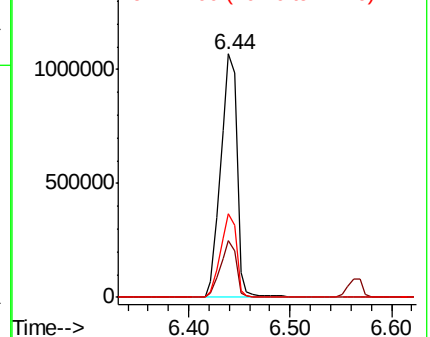
99 100

42 23.2 17.4 26.0

71 34.2 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.521 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

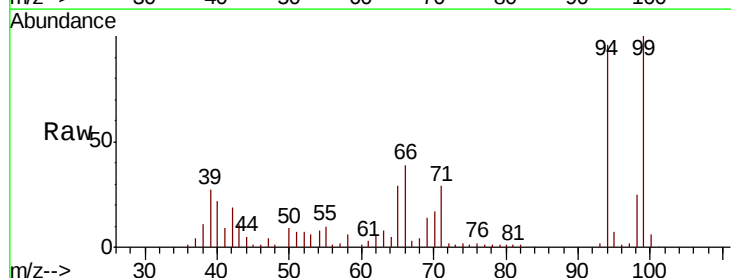
Tgt Ion: 94 Resp: 66842

Ion Ratio Lower Upper

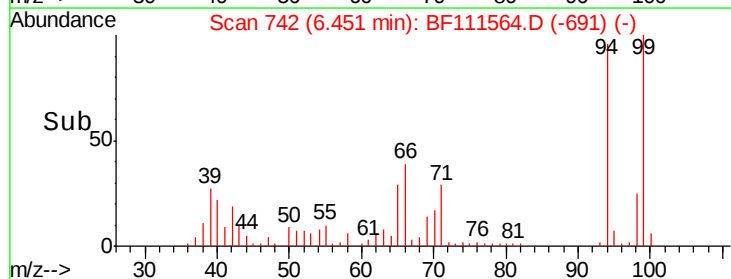
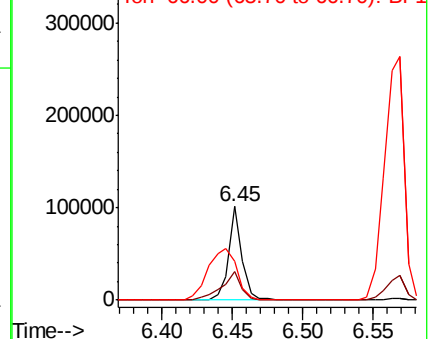
94 100

65 30.5 11.7 51.7

66 41.3 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

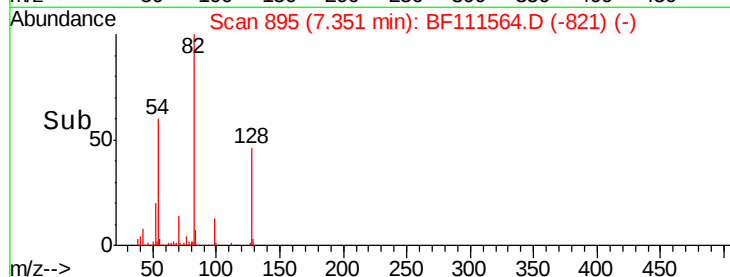
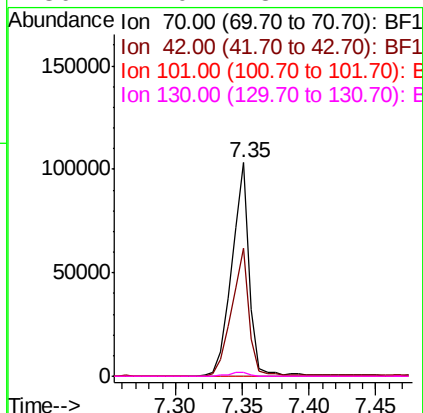
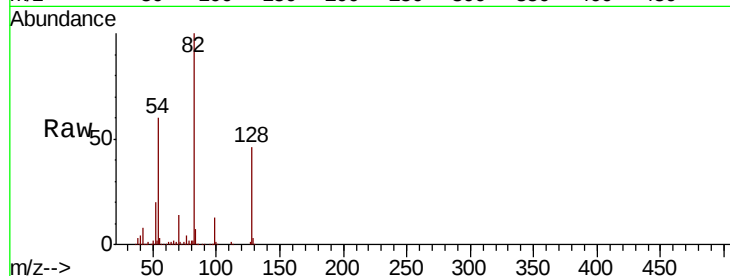




#19
n-Nitroso-di-n-propylamine
Concen: 13.312 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

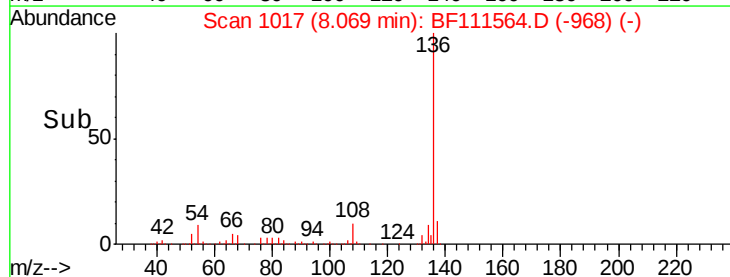
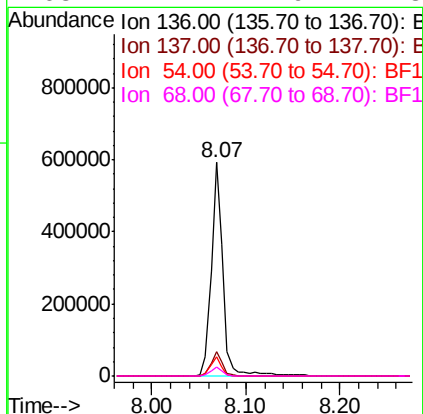
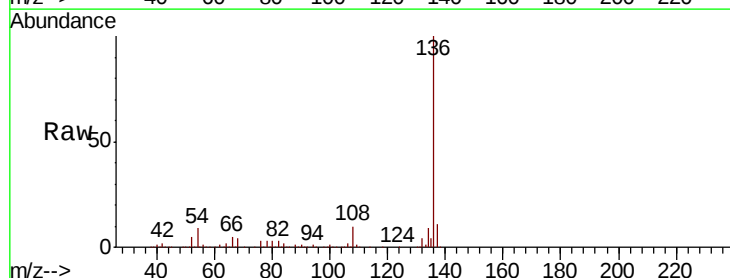
Instrument :
BNA_F
ClientSampleId :
TP-7-B

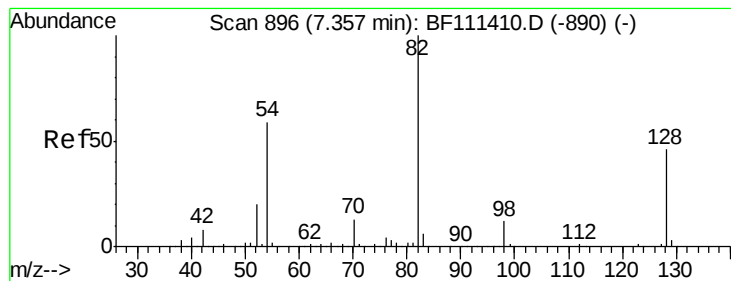
Tgt Ion:	70	Resp:	95459
Ion	Ratio	Lower	Upper
70	100		
42	59.8	53.2	79.8
101	0.0	8.2	12.4#
130	2.0	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

Tgt Ion:	136	Resp:	525235
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.0	7.7	11.5
68	4.4	4.9	7.3#





#23

Nitrobenzene-d5

Concen: 82.043 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

Instrument :

BNA_F

ClientSampleId :

TP-7-B

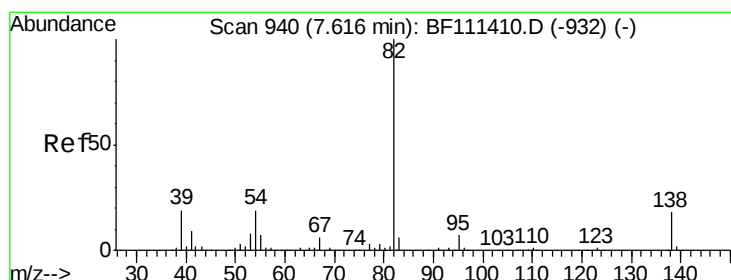
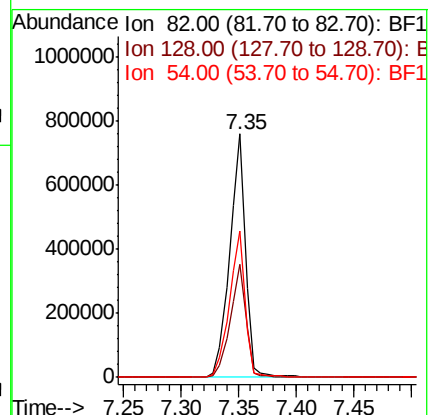
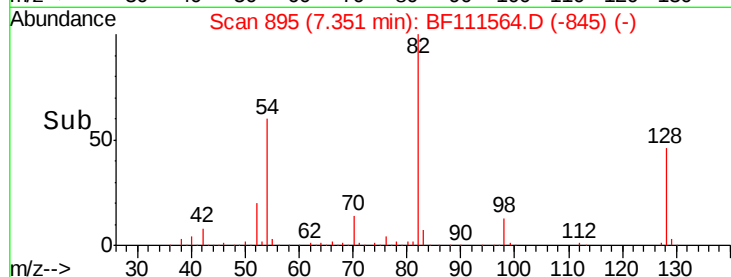
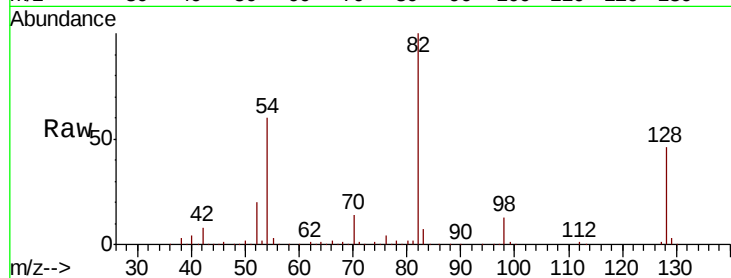
Tgt Ion: 82 Resp: 723640

Ion Ratio Lower Upper

82 100

128 46.3 37.4 56.2

54 60.2 47.6 71.4



#25

Isophorone

Concen: 48.488 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

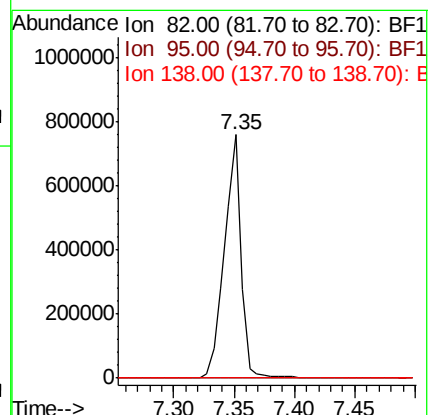
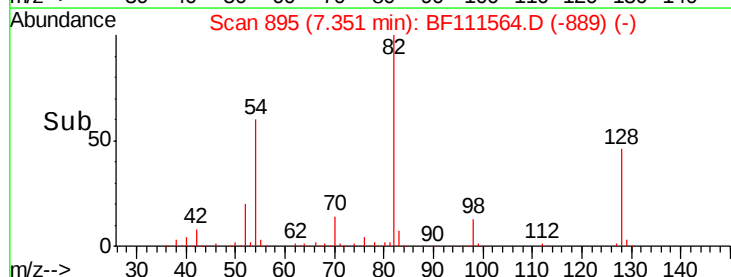
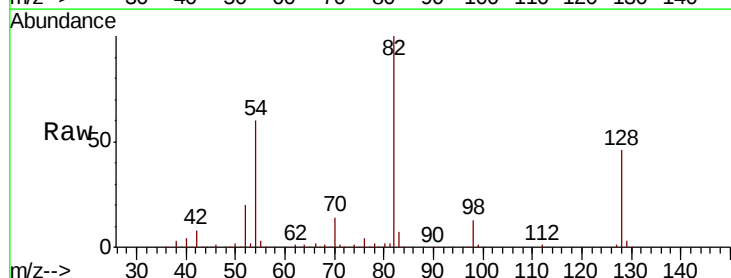
Tgt Ion: 82 Resp: 723631

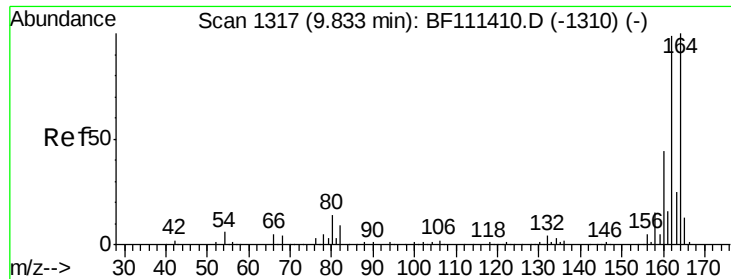
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

Instrument :

BNA_F

ClientSampleId :

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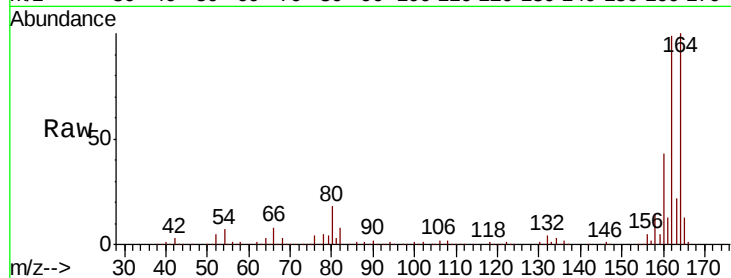
Tgt Ion:164 Resp: 224705

Ion Ratio Lower Upper

164 100

162 99.3 81.4 122.0

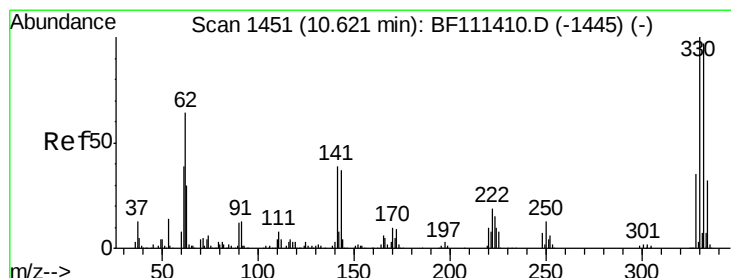
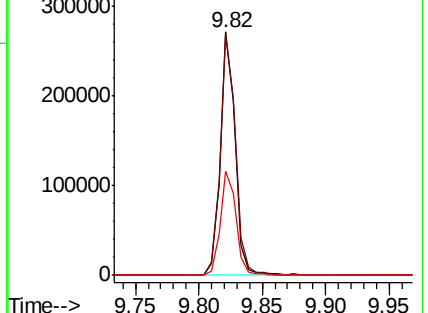
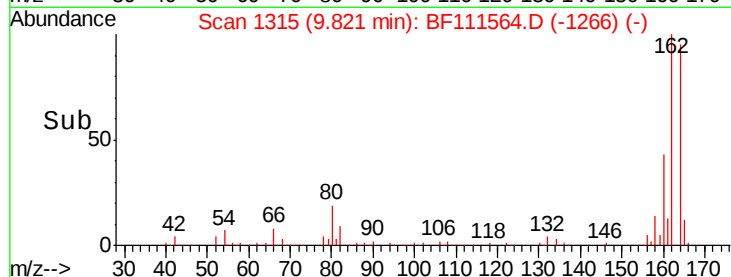
160 42.9 35.7 53.5



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: 142.704 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

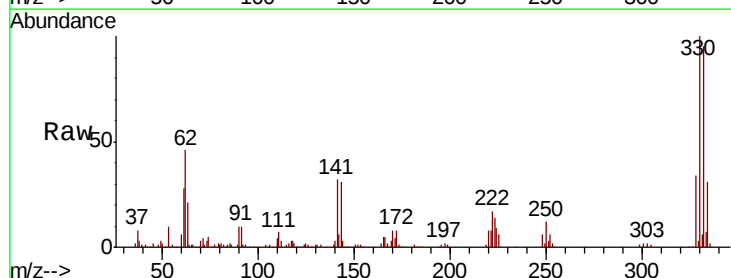
Tgt Ion:330 Resp: 287245

Ion Ratio Lower Upper

330 100

332 96.1 76.0 114.0

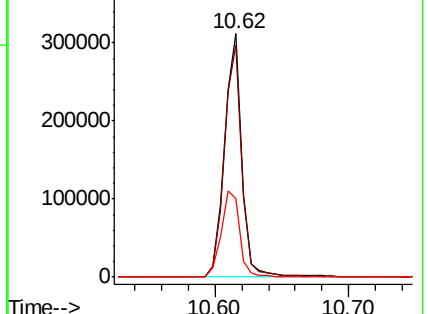
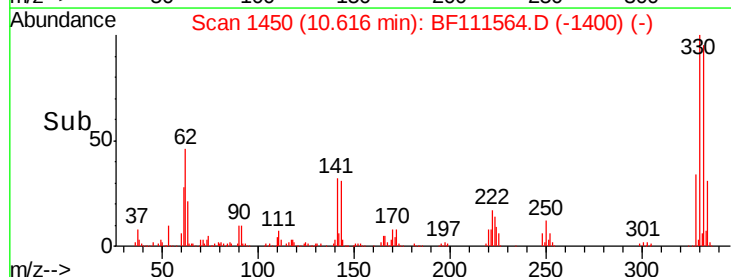
141 38.2 31.0 46.6

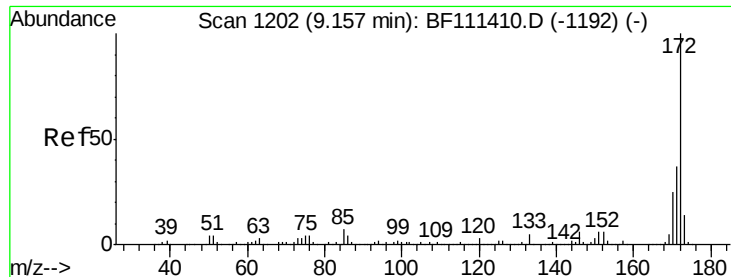


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

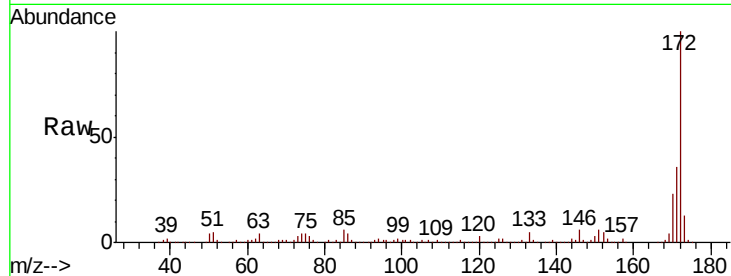




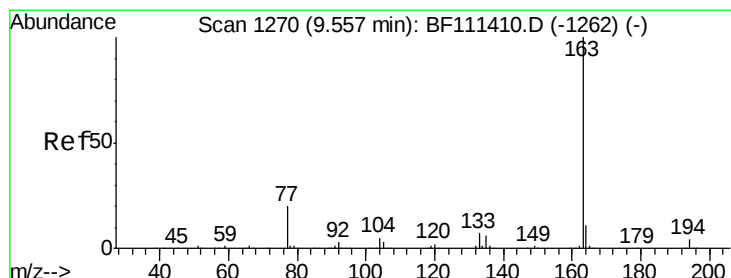
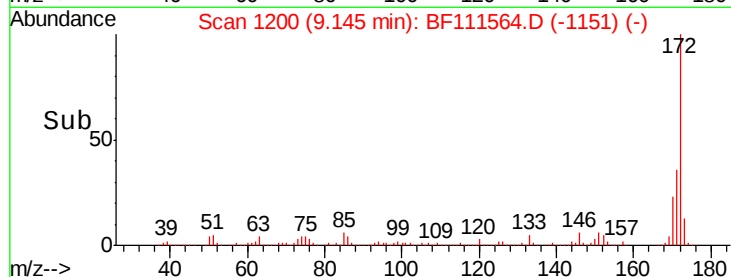
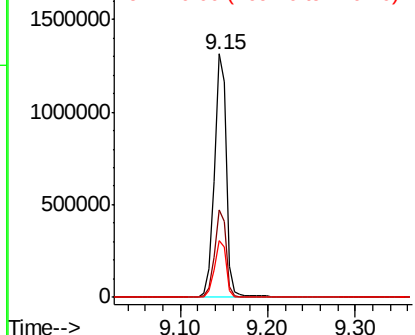
#45
2-Fluorobiphenyl
Concen: 86.890 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

Instrument :
BNA_F
ClientSampleId :
TP-7-B

Tgt Ion:172 Resp: 1264029
Ion Ratio Lower Upper
172 100
171 36.0 33.0 49.4
170 23.5 22.3 33.5

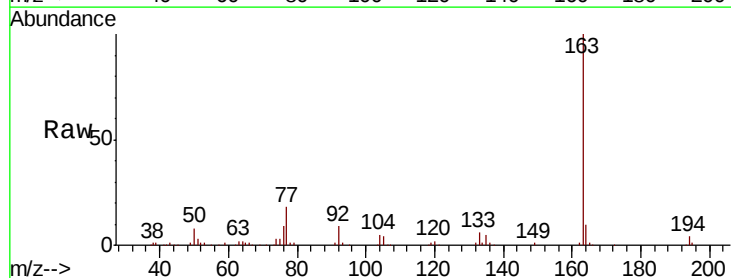


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

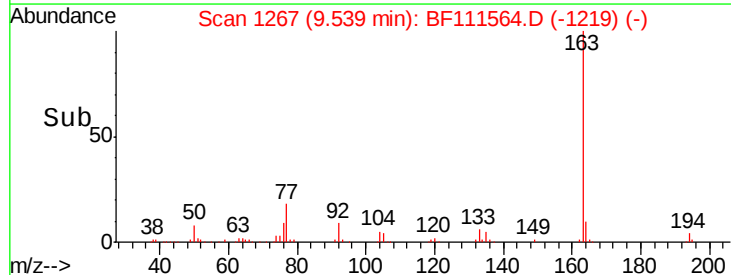
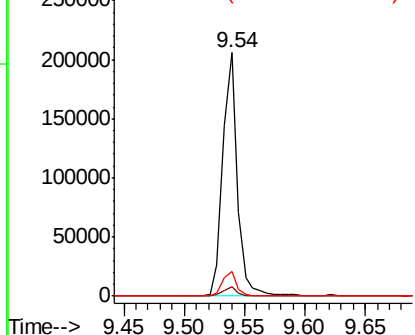


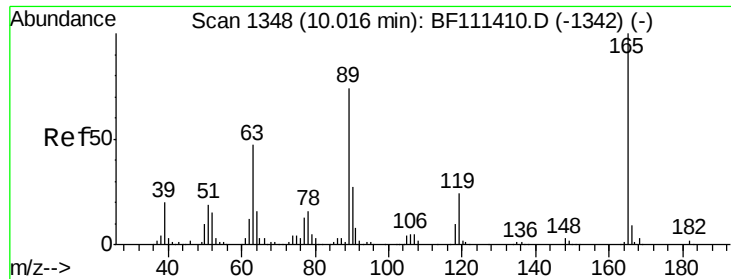
#50
Dimethylphthalate
Concen: 10.634 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

Tgt Ion:163 Resp: 172095
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.1 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

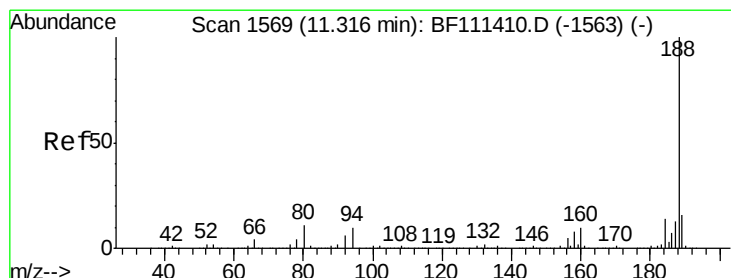
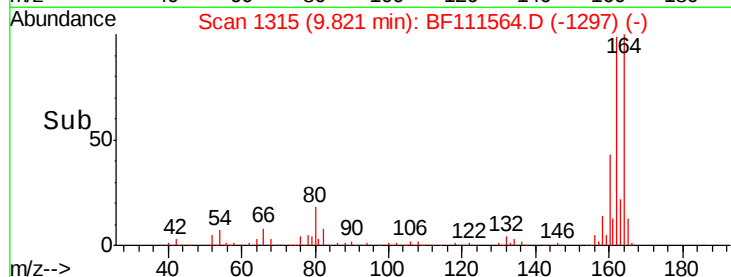
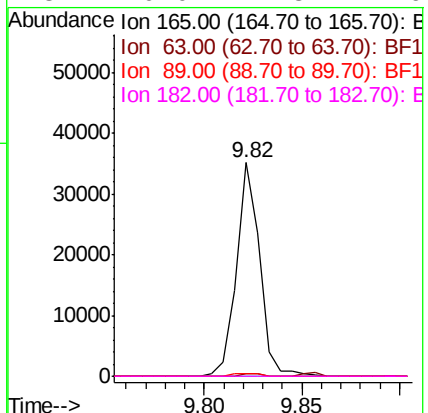
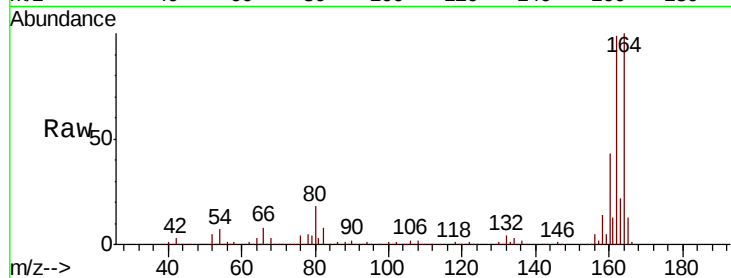




#57
2,4-Dinitrotoluene
Concen: 6.037 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.19 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

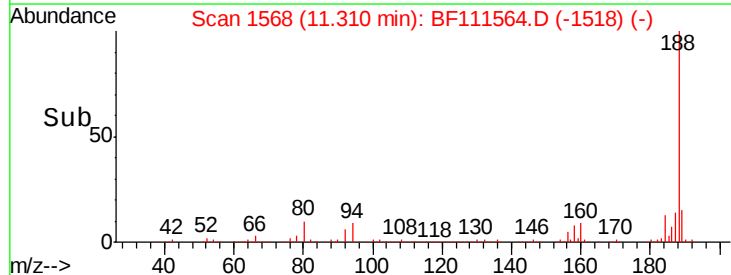
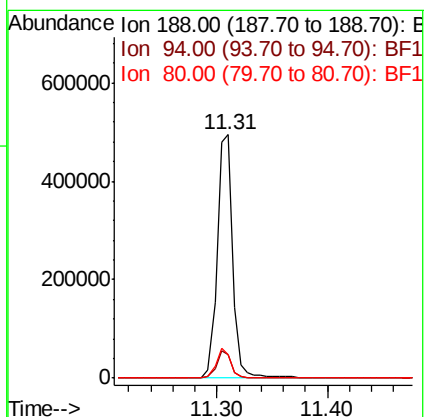
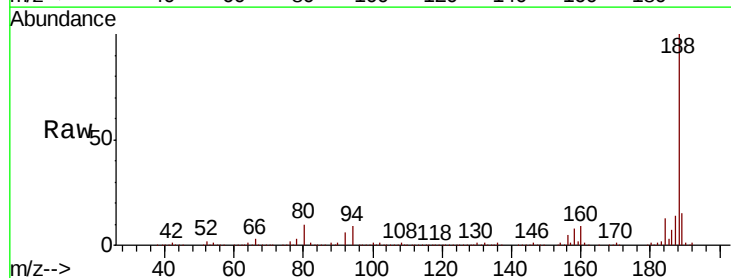
Instrument :
BNA_F
ClientSampled :
TP-7-B

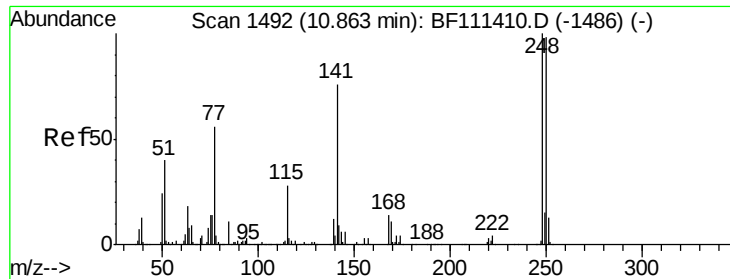
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.6	52.0#
89	1.0	56.2	84.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.6	14.4#
80	9.8	9.8	14.6

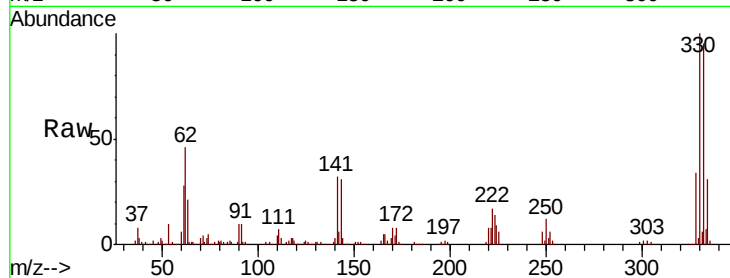




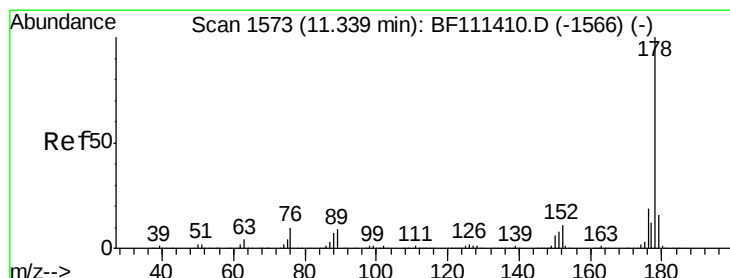
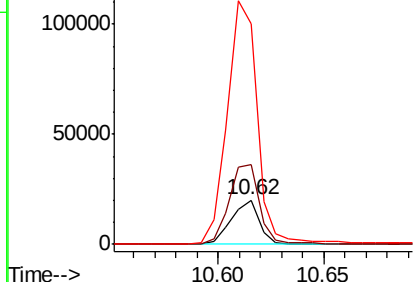
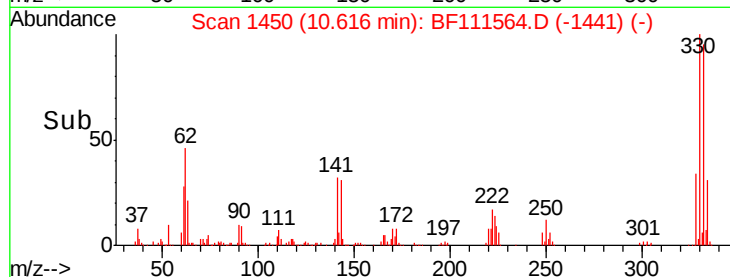
#67
 4-Bromophenyl-phenylether
 Concen: 3.483 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

Instrument :
 BNA_F
 ClientSampled :
 TP-7-B

Tgt Ion:248 Resp: 18162
 Ion Ratio Lower Upper
 248 100
 250 179.4 77.0 115.4#
 141 498.8 63.0 94.6#

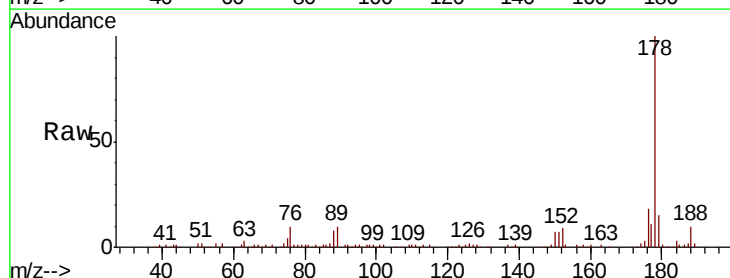


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

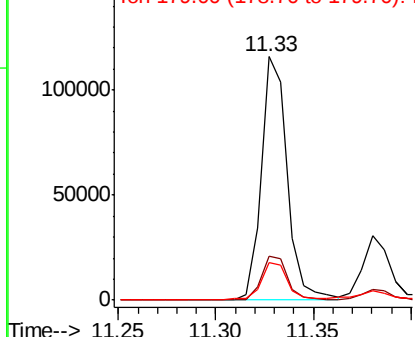
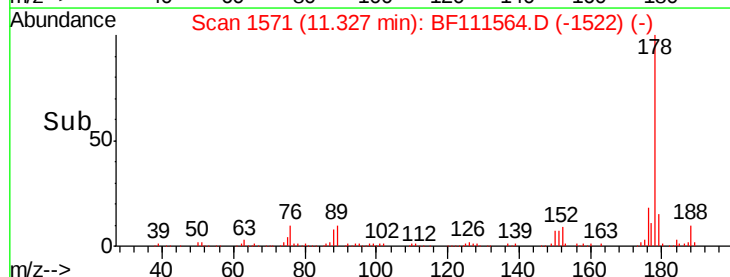


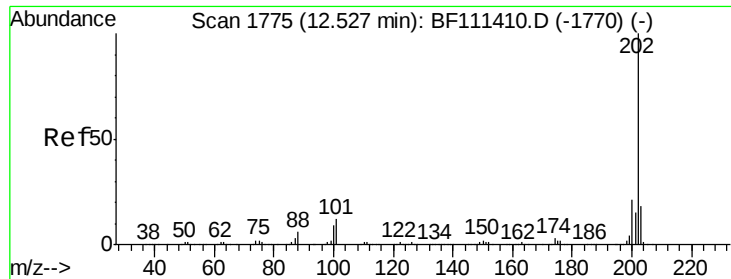
#71
 Phenanthrene
 Concen: 4.263 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

Tgt Ion:178 Resp: 106280
 Ion Ratio Lower Upper
 178 100
 176 18.0 18.1 27.1#
 179 15.2 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: 8.587 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

Instrument :

BNA_F

ClientSampleId :

TP-7-B

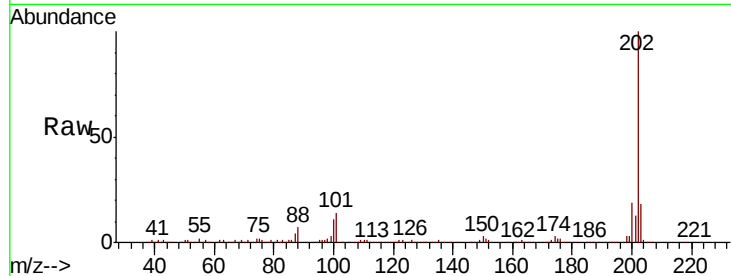
Tgt Ion: 202 Resp: 209423

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.8

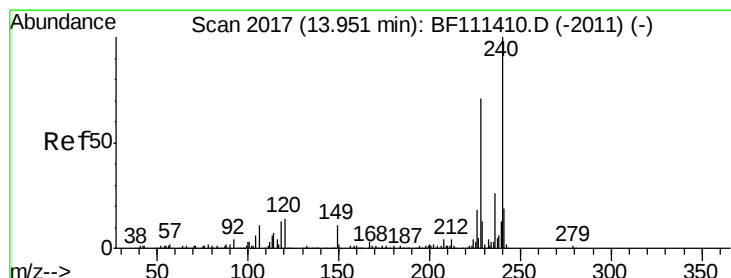
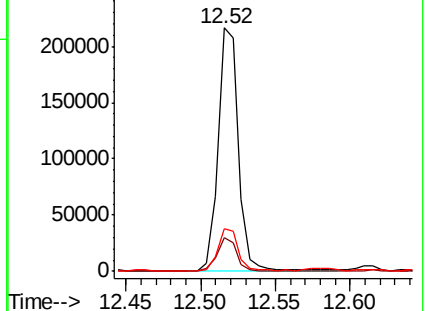
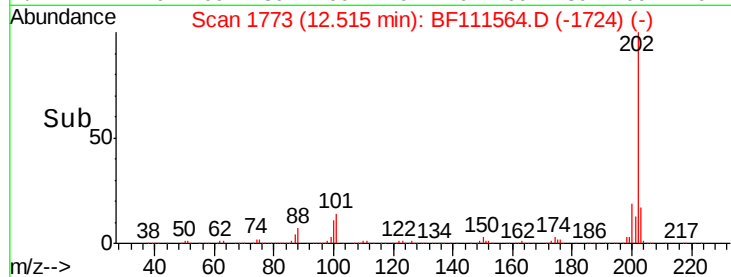
203 17.7 0.0 38.6



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: BF111564.D

Acq: 18 Dec 2018 2:53

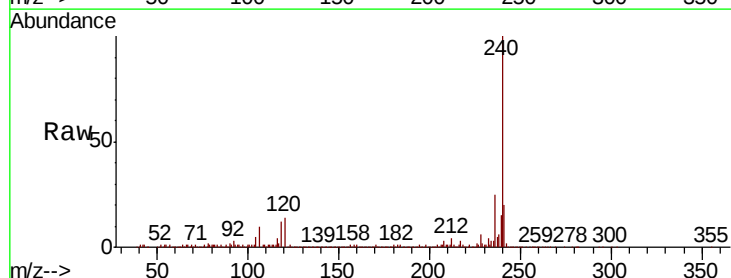
Tgt Ion: 240 Resp: 406520

Ion Ratio Lower Upper

240 100

120 14.1 12.2 18.2

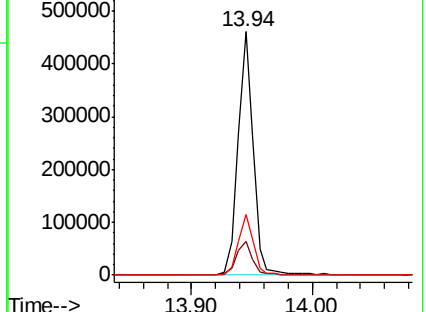
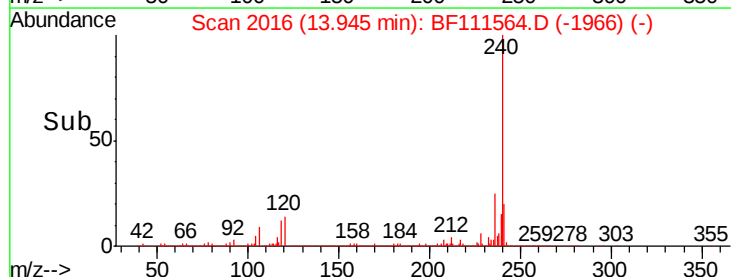
236 24.8 20.2 30.2

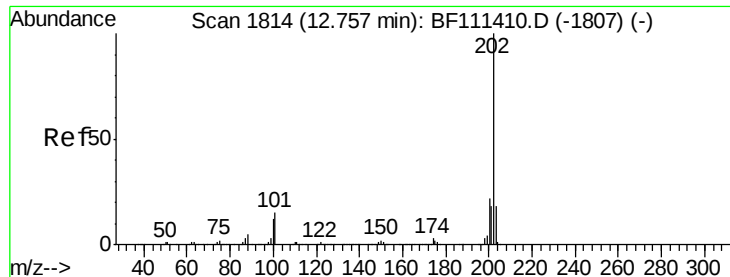


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

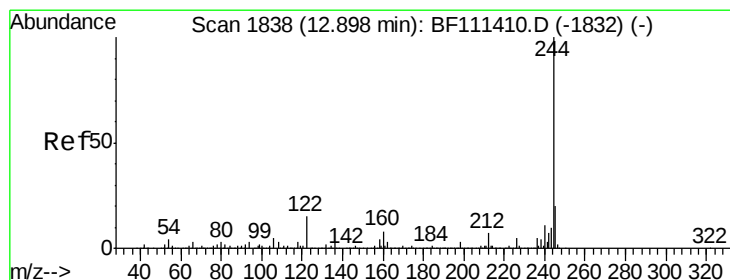
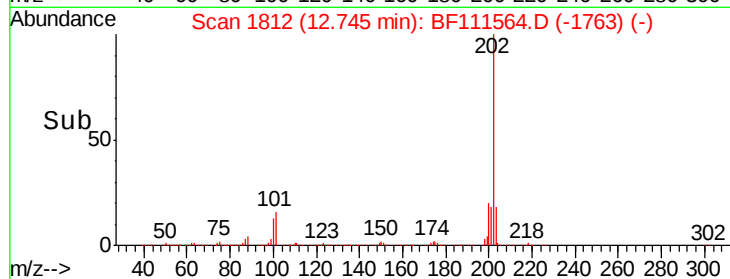
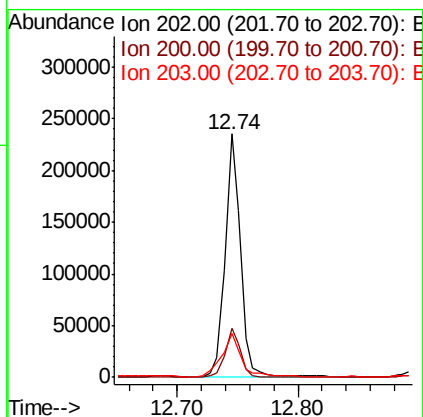
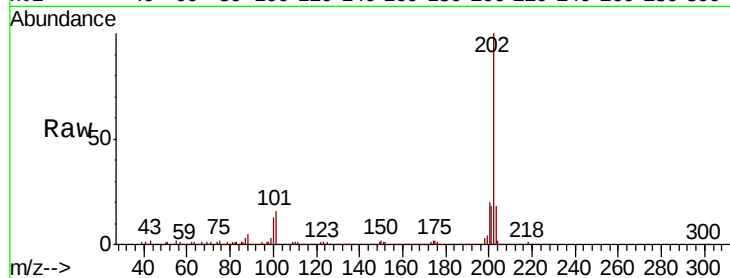




#78
 Pyrene
 Concen: 7.227 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

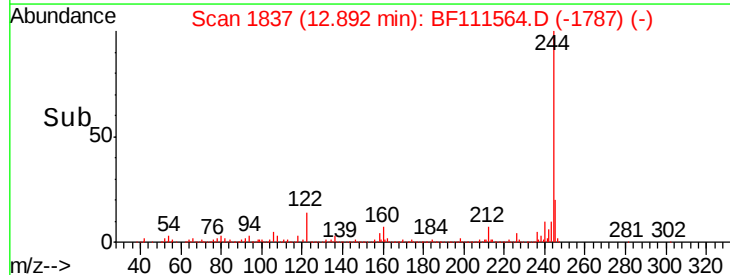
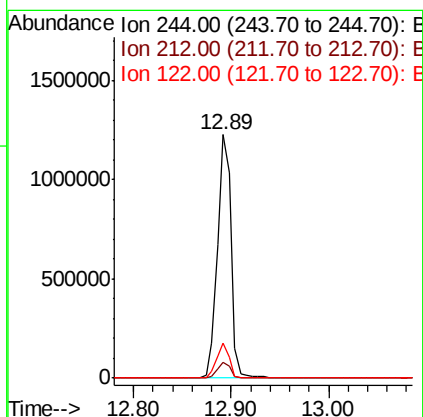
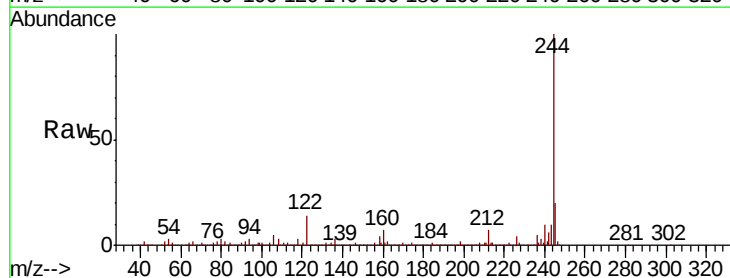
Instrument :
 BNA_F
 ClientSampleId :
 TP-7-B

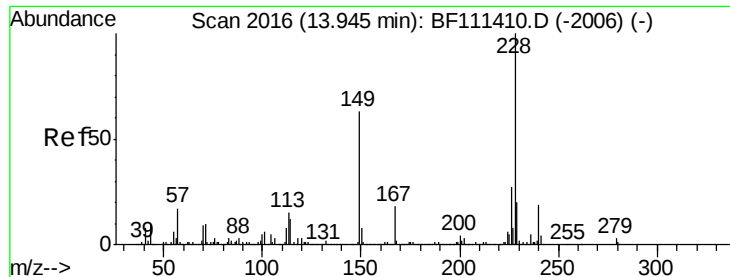
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	19.0	28.4
203	18.2	15.2	22.8



#79
 Terphenyl-d14
 Concen: 68.421 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

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

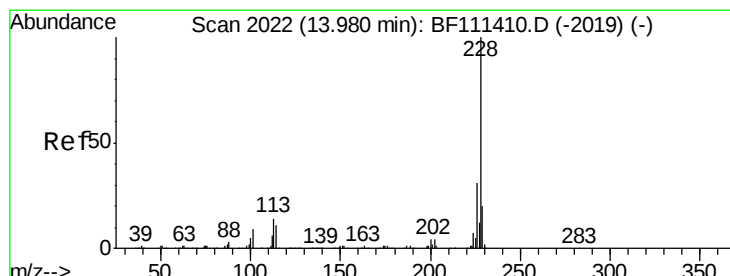
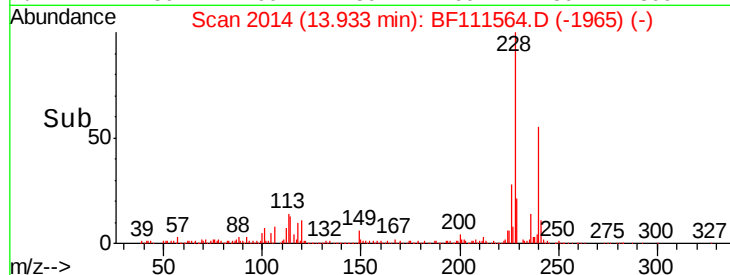
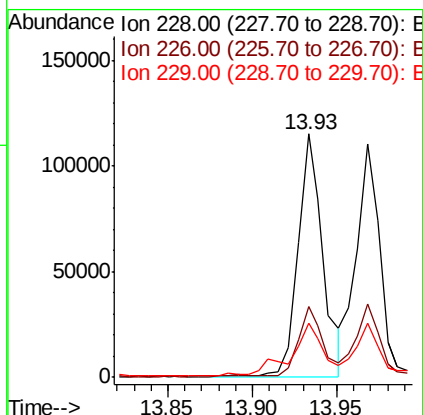
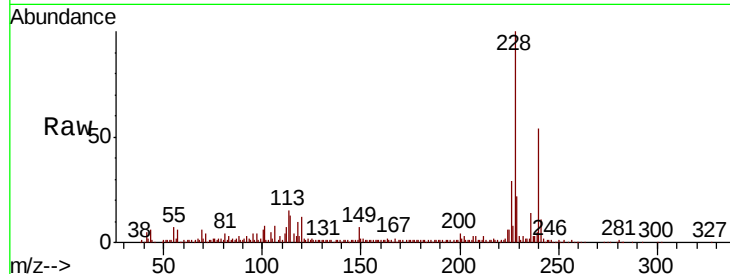




#81
Benzo(a)anthracene
Concen: 5.316 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

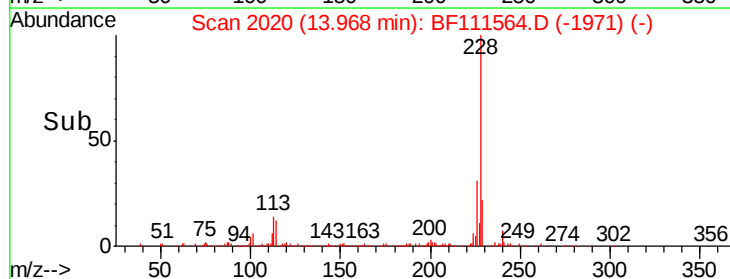
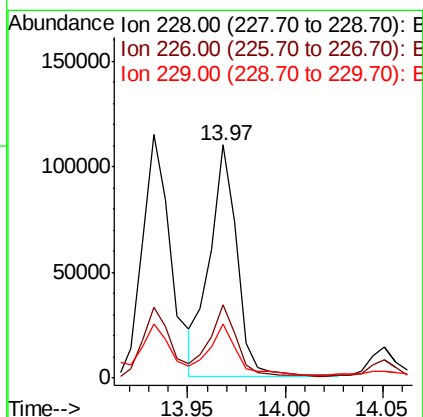
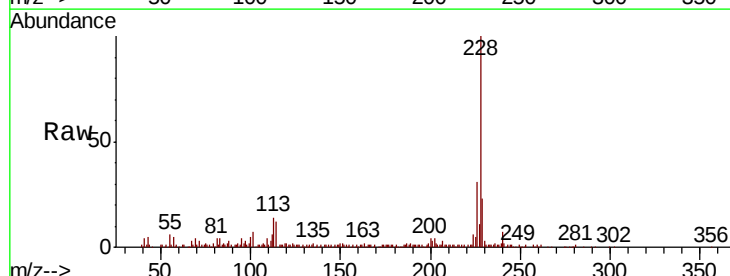
Instrument :
BNA_F
ClientSampleId :
TP-7-B

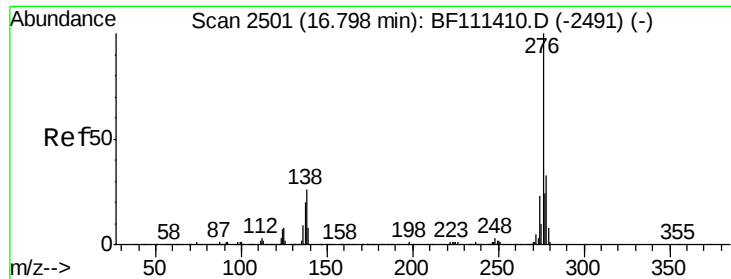
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	34.0
229	22.1	16.3	24.5



#83
Chrysene
Concen: 4.605 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.3	37.9
229	23.1	17.2	25.8

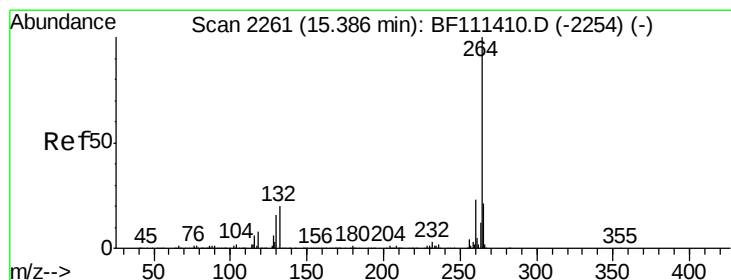
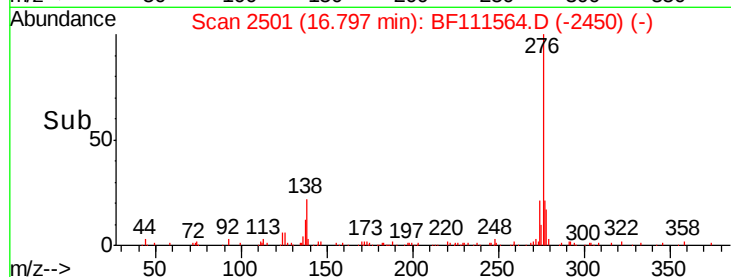
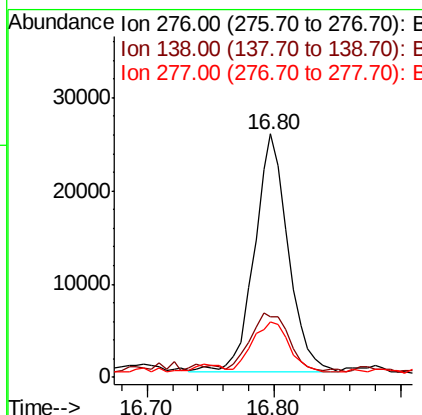
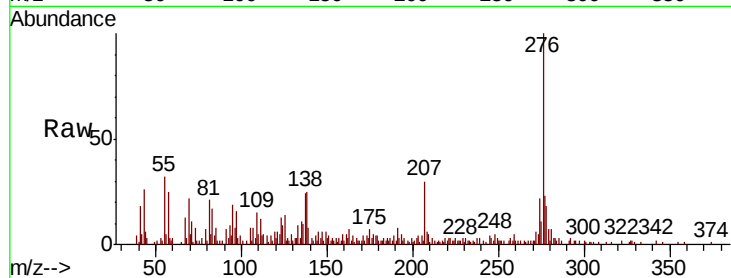




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.787 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. -0.00 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

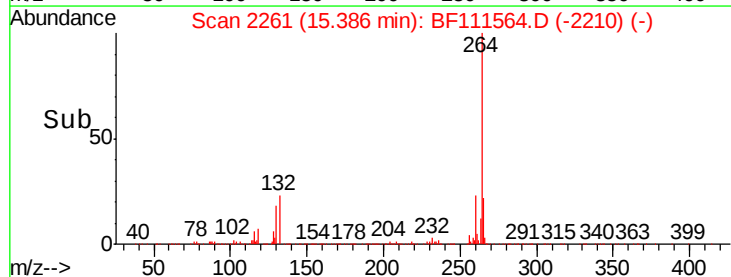
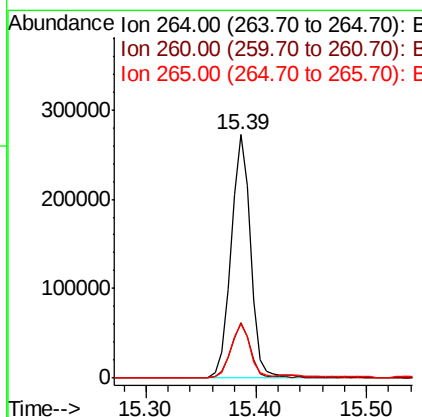
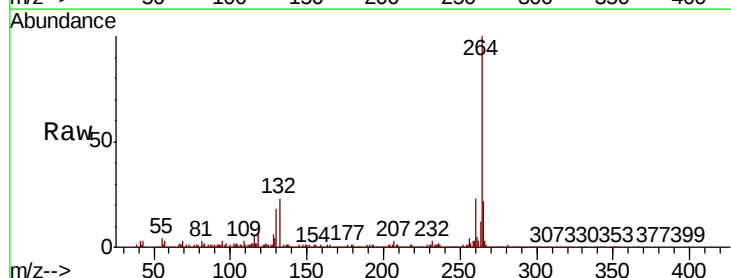
Instrument :
 BNA_F
 ClientSampleId :
 TP-7-B

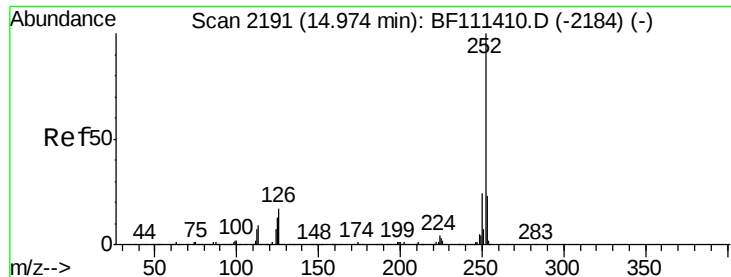
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.8	41.6
277	23.9	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: BF111564.D
 Acq: 18 Dec 2018 2:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.3	27.5
265	22.3	17.7	26.5

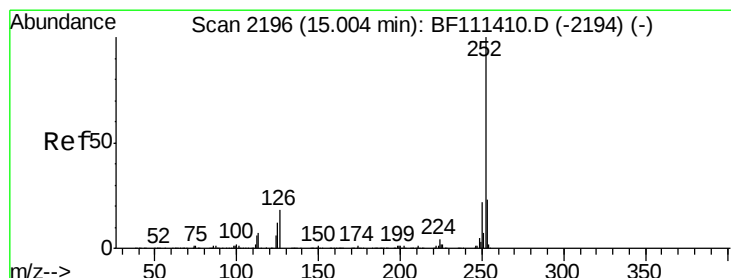
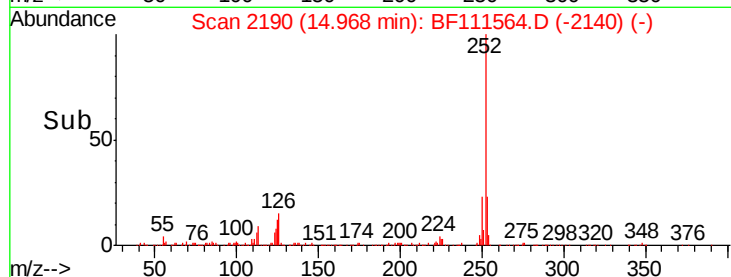
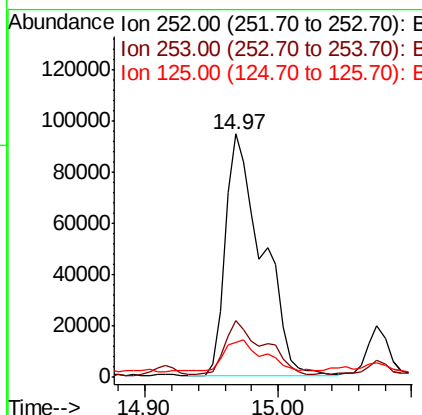
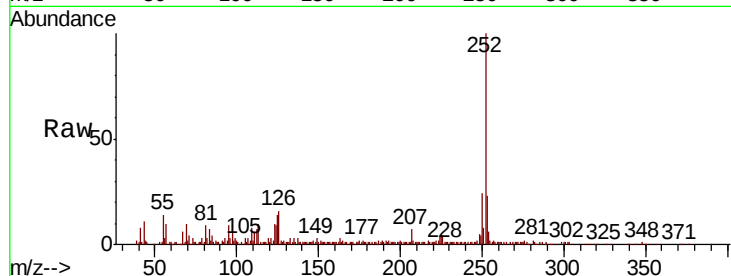




#88
Benzo(b)fluoranthene
Concen: 9.252 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

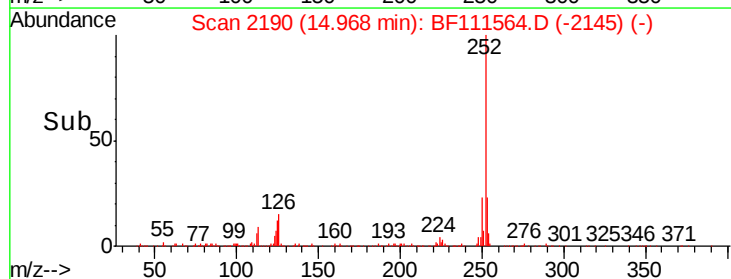
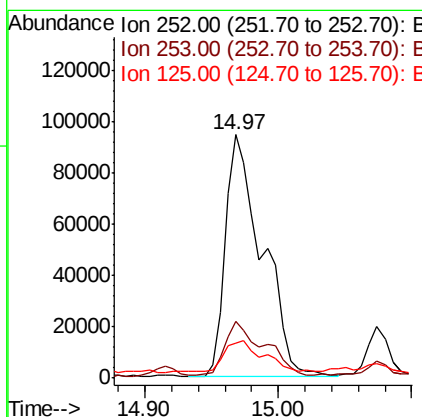
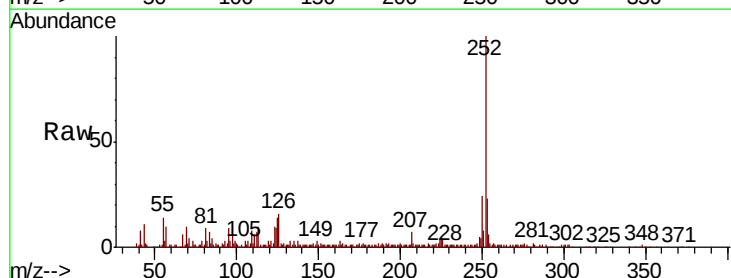
Instrument :
BNA_F
ClientSampleId :
TP-7-B

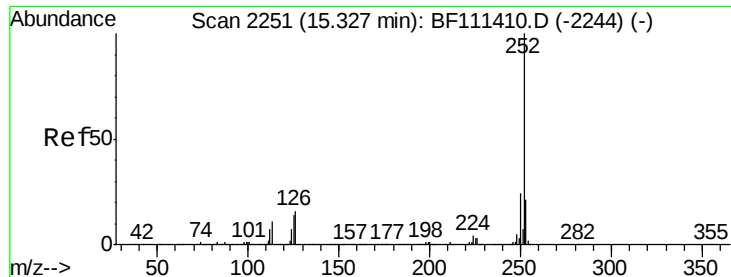
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	14.4	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 9.683 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111564.D
Acq: 18 Dec 2018 2:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	14.4	9.8	14.8





#90

Benzo(a)pyrene

Concen: 5.223 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

Instrument :

BNA_F

ClientSampleId :

TP-7-B

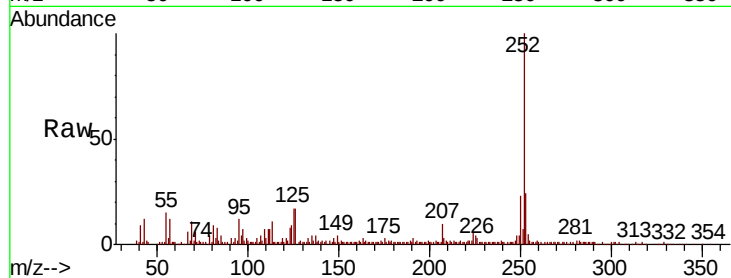
Tgt Ion:252 Resp: 92602

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

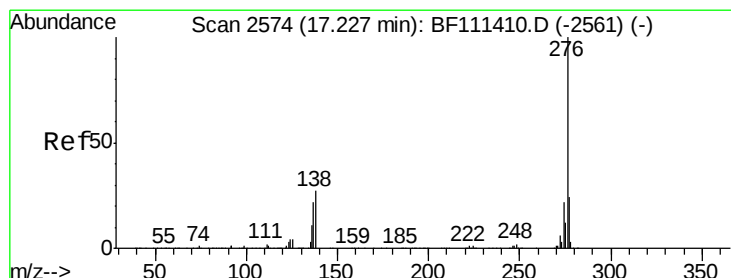
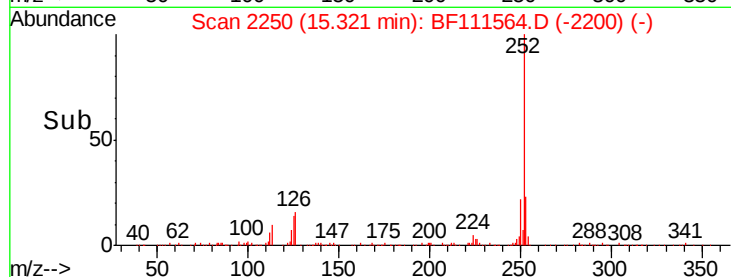
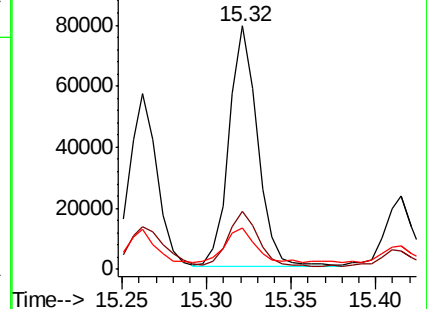
125 16.8 12.3 18.5



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: 3.502 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF111564.D

Acq: 18 Dec 2018 2:53

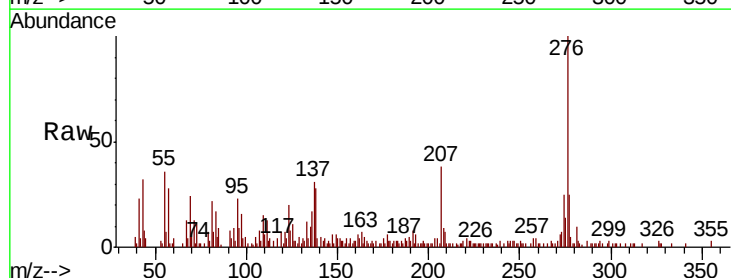
Tgt Ion:276 Resp: 48084

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 27.7 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

