

Data File : BF111461.D
Acq On : 15 Dec 2018 11:50
Operator : JU/SJ
Sample : J6208-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: Dec 16 00:41:11 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	175394	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	714612	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	324915	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	508793	20.00	ng	0.00
76) Chrysene-d12	13.95	240	358695	20.00	ng	0.00
87) Perylene-d12	15.39	264	375169	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	921250	87.40	ng	0.00
7) Phenol-d6	6.44	99	1168316	83.33	ng	0.00
23) Nitrobenzene-d5	7.35	82	726541	60.54	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	191405	65.76	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1129245	53.68	ng	0.00
79) Terphenyl-d14	12.90	244	780919	51.12	ng	0.00

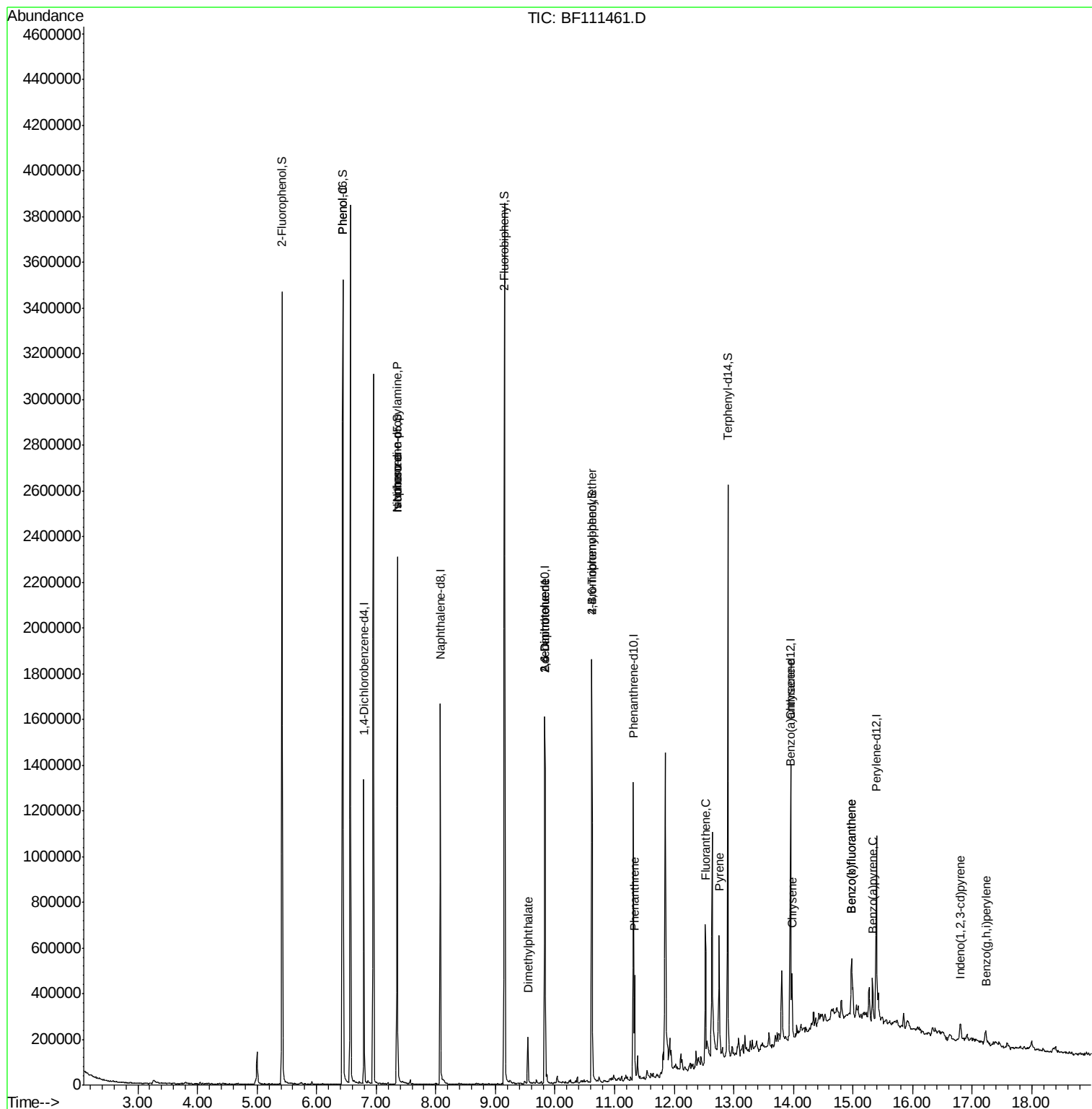
Target Compounds				Qvalue		
10) Phenol	6.45	94	70439	4.510	ng	90
19) n-Nitroso-di-n-propylamine	7.35	70	94353	10.201	ng	# 84
25) Isophorone	7.35	82	726536	35.781	ng	# 64
50) Dimethylphthalate	9.55	163	91147	3.895	ng	97
51) 2,6-Dinitrotoluene	9.83	165	42106	7.994	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	42106	6.091	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	12835	2.341	ng	# 1
71) Phenanthrene	11.33	178	155012	5.913	ng	93
75) Fluoranthene	12.52	202	234556	9.145	ng	96
78) Pyrene	12.75	202	219373	8.675	ng	94
81) Benzo(a)anthracene	13.94	228	115198	5.906	ng	99
83) Chrysene	13.97	228	101224	4.927	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	46606	3.143	ng	# 90
88) Benzo(b)fluoranthene	14.97	252	169316	7.741	ng	# 97
89) Benzo(k)fluoranthene	14.97	252	169316	8.101	ng	# 96
90) Benzo(a)pyrene	15.33	252	94907	4.812	ng	97
92) Benzo(g,h,i)perylene	17.23	276	44188	2.893	ng	97

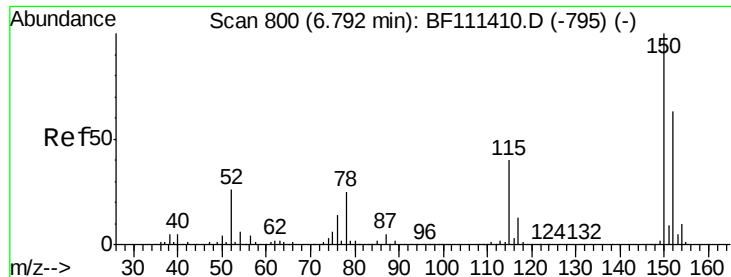
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

BNA_F

ClientSampled :

TP-3

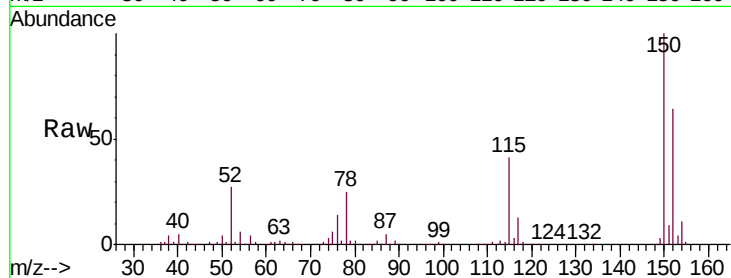
Tgt Ion:152 Resp: 175394

Ion Ratio Lower Upper

152 100

150 155.1 126.6 189.8

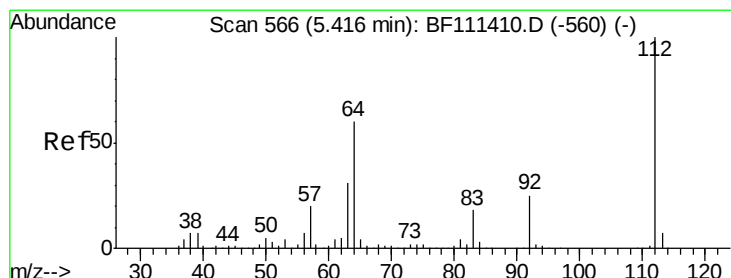
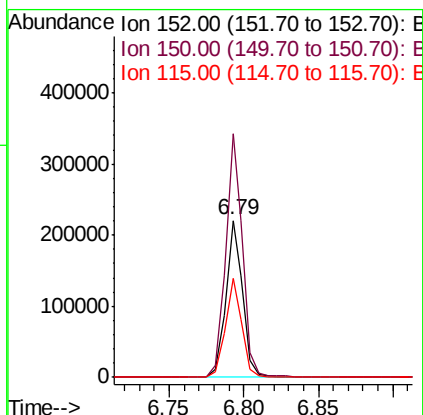
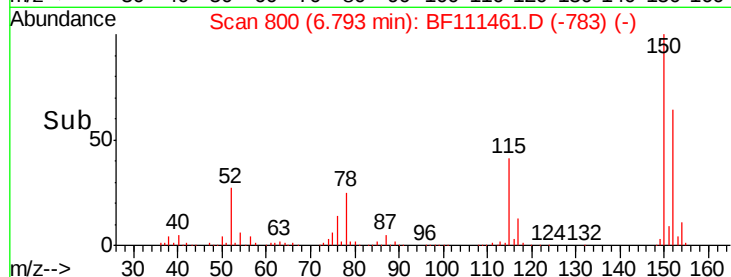
115 63.0 50.7 76.1



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: 87.404 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

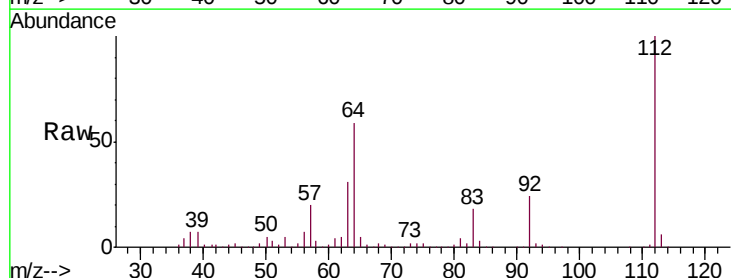
Tgt Ion:112 Resp: 921250

Ion Ratio Lower Upper

112 100

64 59.5 51.8 77.6

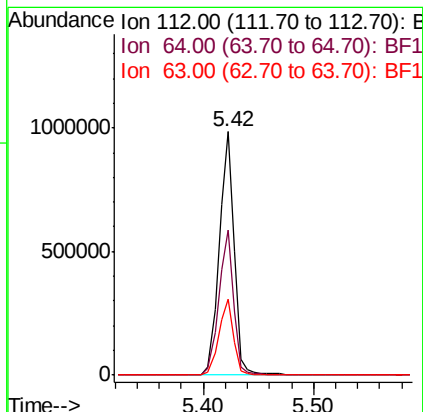
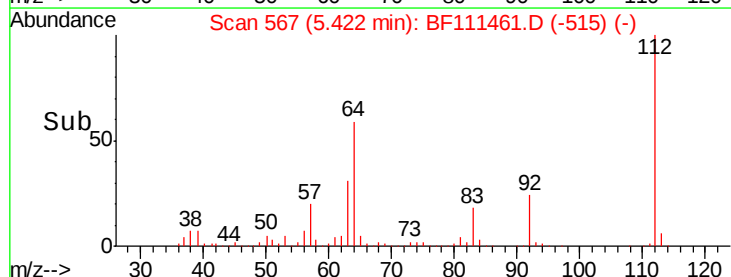
63 31.4 26.8 40.2



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: 83.331 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

BNA_F

ClientSampleId :

TP-3

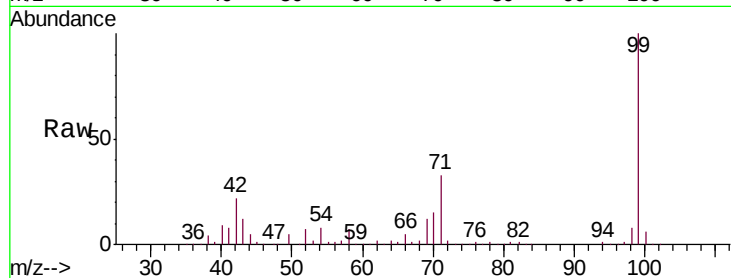
Tgt Ion: 99 Resp: 1168316

Ion Ratio Lower Upper

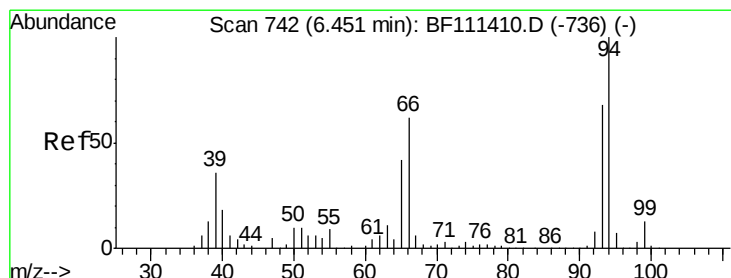
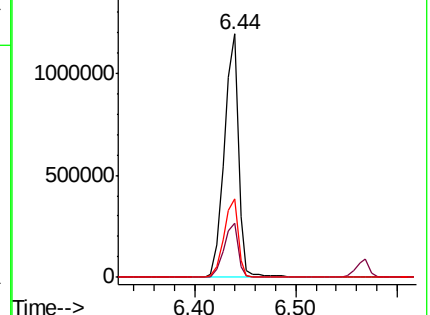
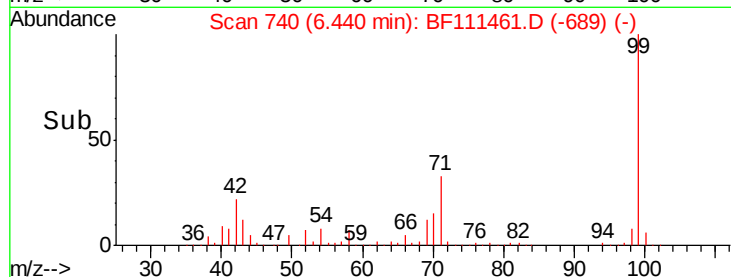
99 100

42 22.1 17.4 26.0

71 32.5 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: 4.510 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

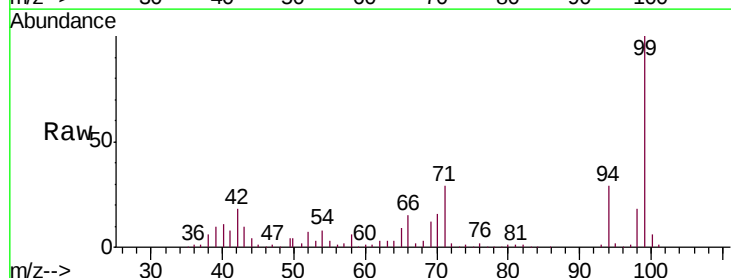
Tgt Ion: 94 Resp: 70439

Ion Ratio Lower Upper

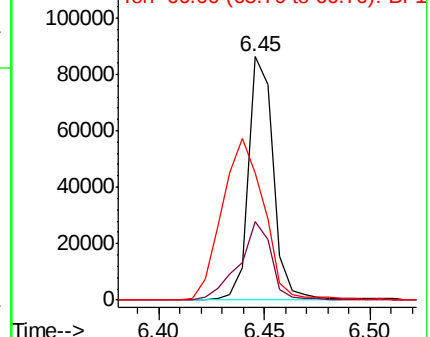
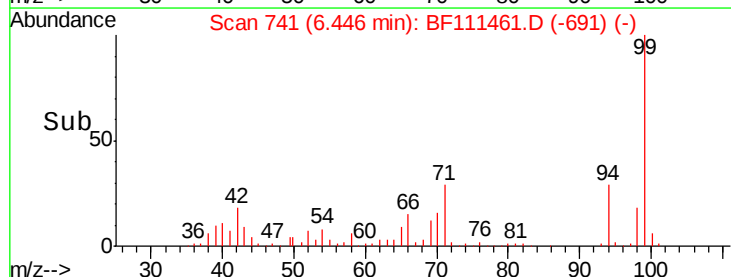
94 100

65 32.1 11.7 51.7

66 52.0 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

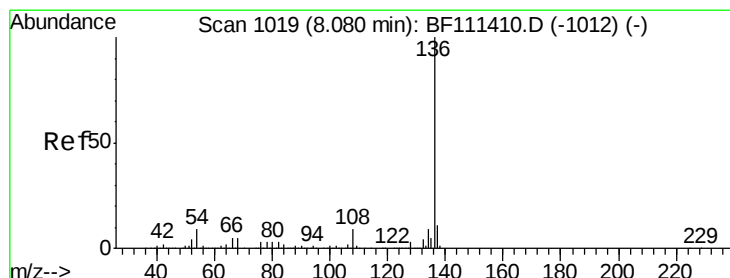
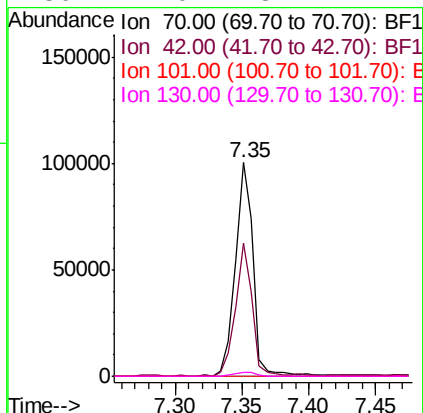
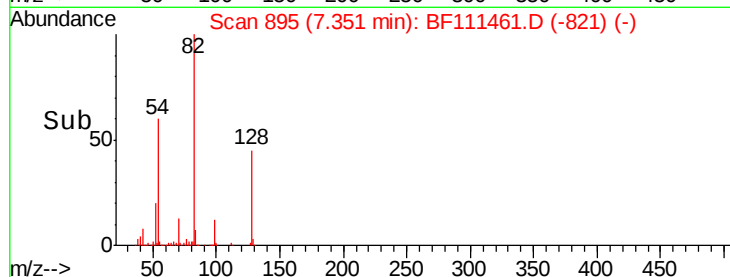
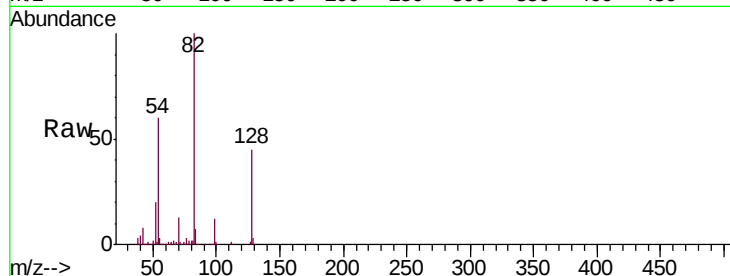




#19
 n-Nitroso-di-n-propylamine
 Concen: 10.201 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.14 min
 Lab File: BF111461.D
 Acq: 15 Dec 2018 11:50

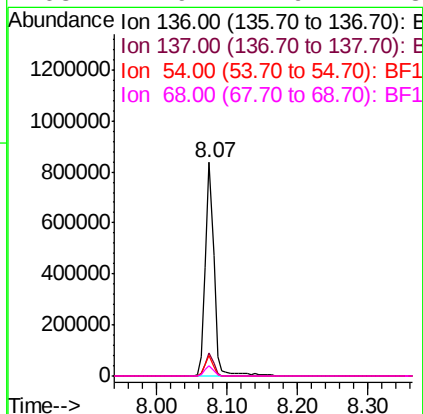
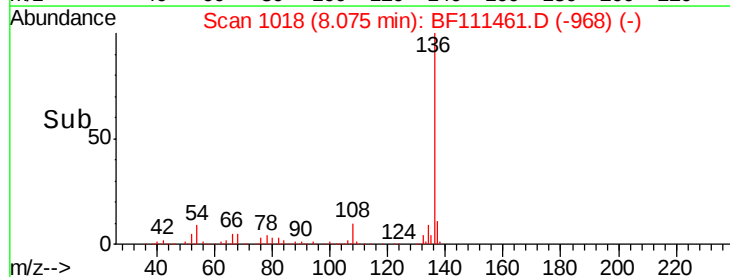
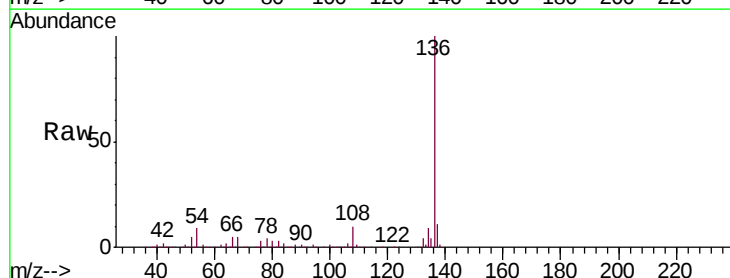
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

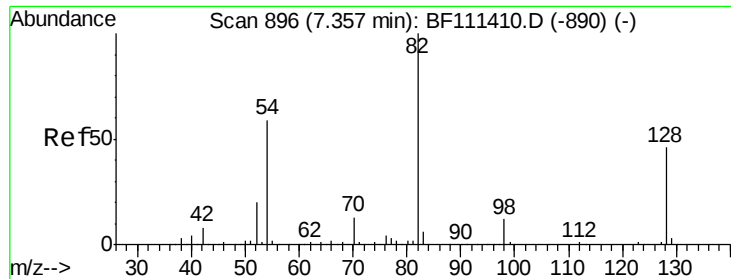
Tgt Ion:	70	Resp:	94353
Ion	Ratio	Lower	Upper
70	100		
42	62.1	53.2	79.8
101	0.0	8.2	12.4#
130	2.0	18.1	27.1#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF111461.D
 Acq: 15 Dec 2018 11:50

Tgt Ion:	136	Resp:	714612
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.5	7.7	11.5
68	4.9	4.9	7.3

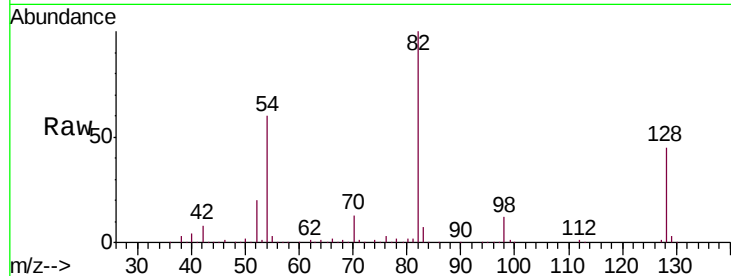




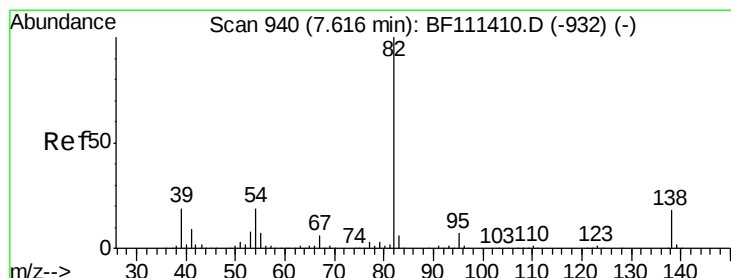
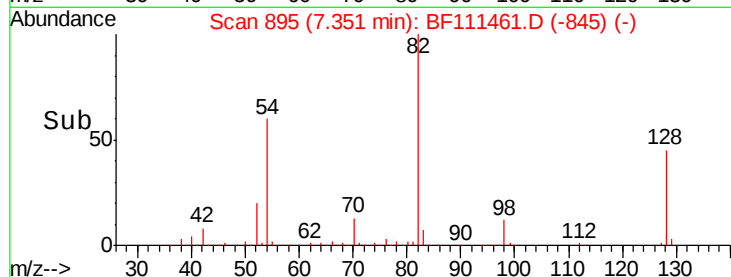
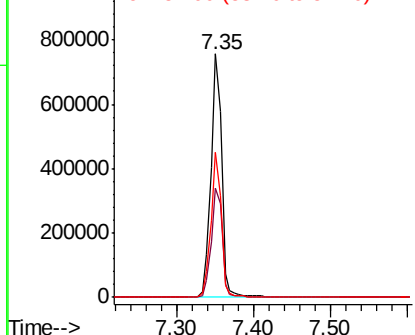
#23
 Nitrobenzene-d5
 Concen: 60.543 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111461.D
 Acq: 15 Dec 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion: 82 Resp: 726541
 Ion Ratio Lower Upper
 82 100
 128 44.8 37.4 56.2
 54 59.8 47.6 71.4

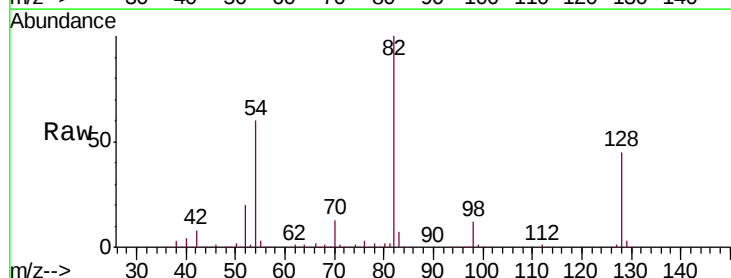


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

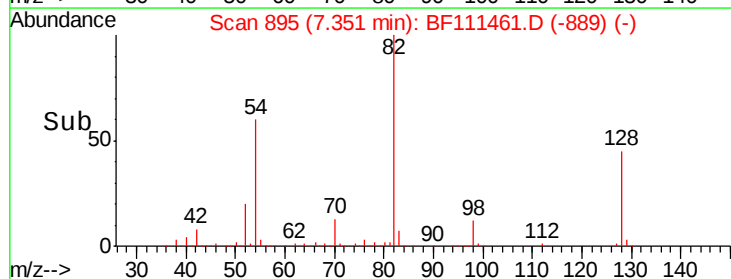
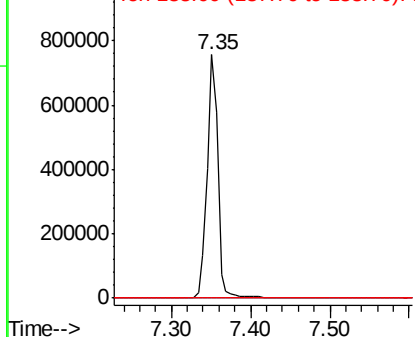


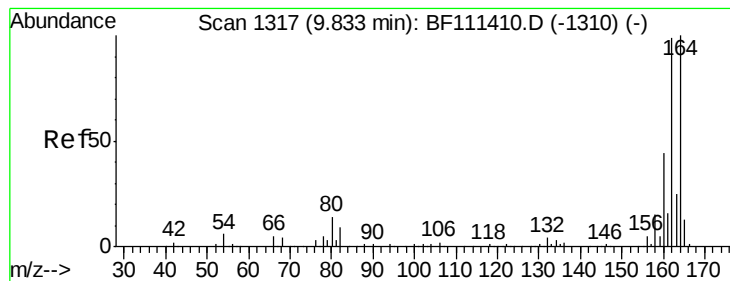
#25
 Isophorone
 Concen: 35.781 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.26 min
 Lab File: BF111461.D
 Acq: 15 Dec 2018 11:50

Tgt Ion: 82 Resp: 726536
 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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

BNA_F

ClientSampleId :

TP-3

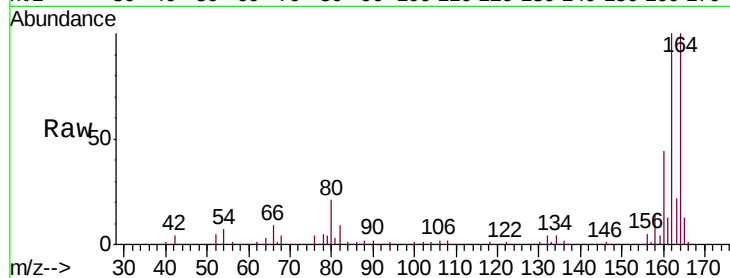
Tgt Ion:164 Resp: 324915

Ion Ratio Lower Upper

164 100

162 100.3 81.4 122.0

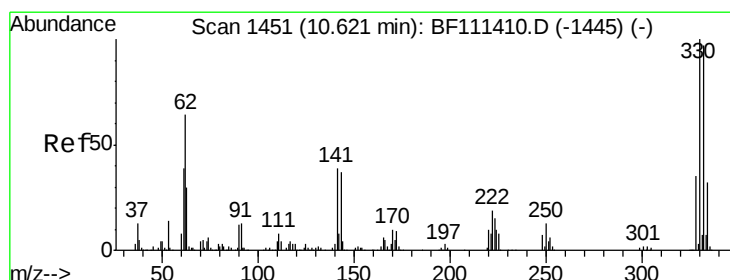
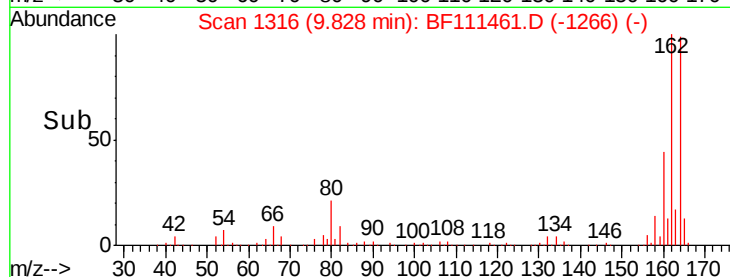
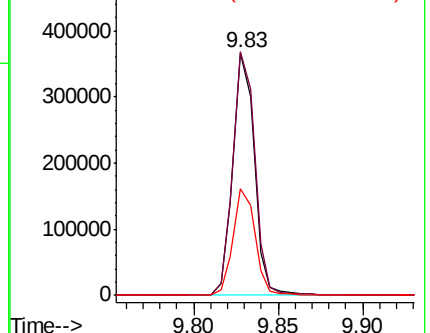
160 44.2 35.7 53.5



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: 65.763 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

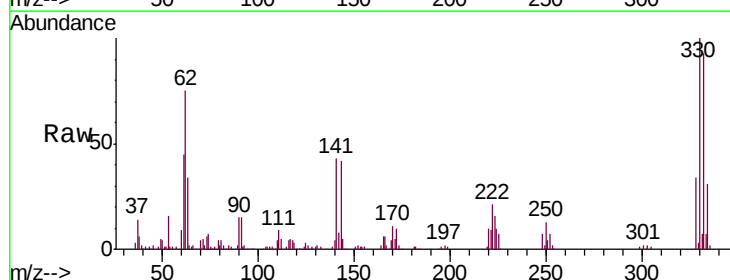
Tgt Ion:330 Resp: 191405

Ion Ratio Lower Upper

330 100

332 95.4 76.0 114.0

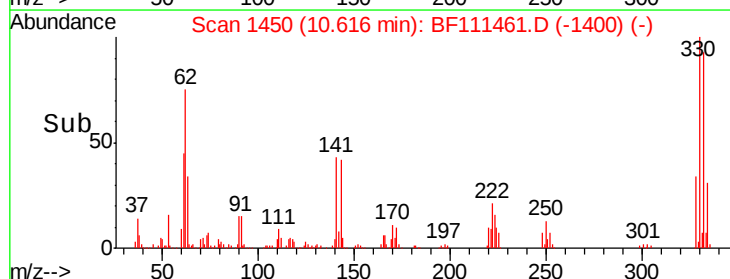
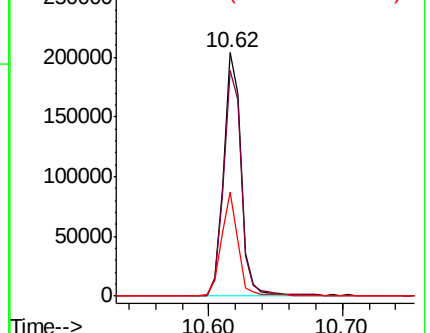
141 40.4 31.0 46.6

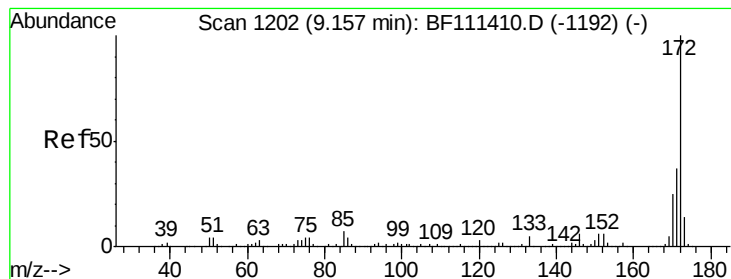


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 53.684 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

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ClientSampleId :

TP-3

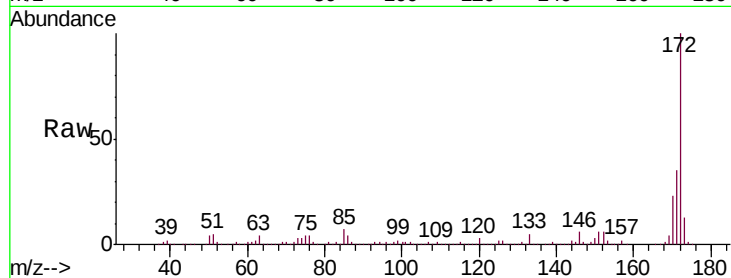
Tgt Ion:172 Resp: 1129245

Ion Ratio Lower Upper

172 100

171 35.4 33.0 49.4

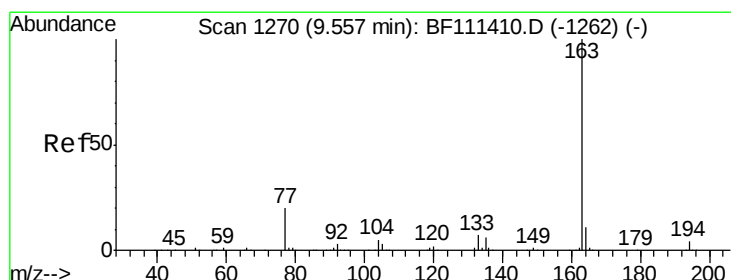
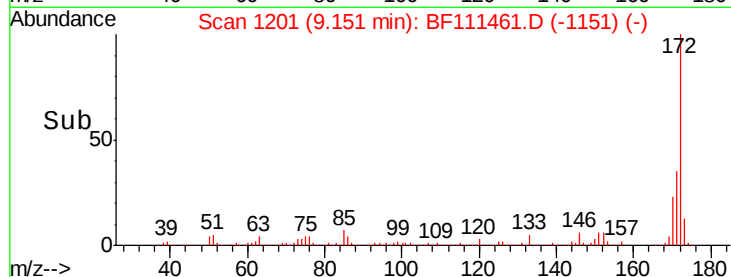
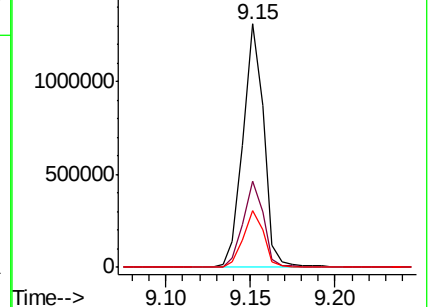
170 23.5 22.3 33.5



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: 3.895 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

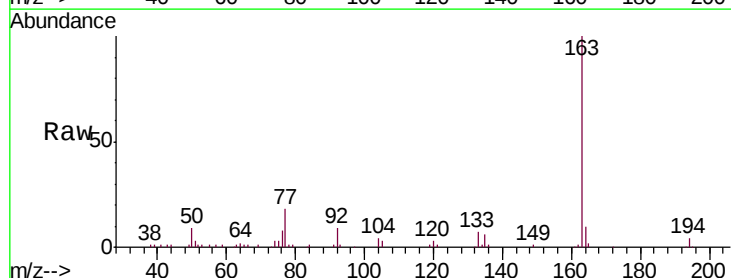
Tgt Ion:163 Resp: 91147

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

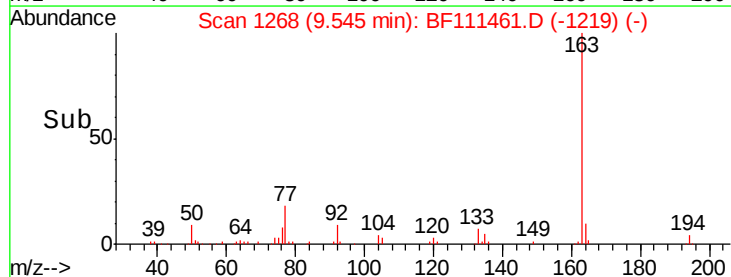
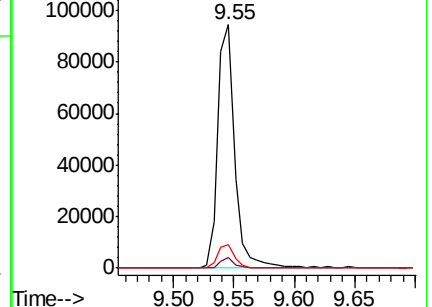
164 9.8 8.9 13.3

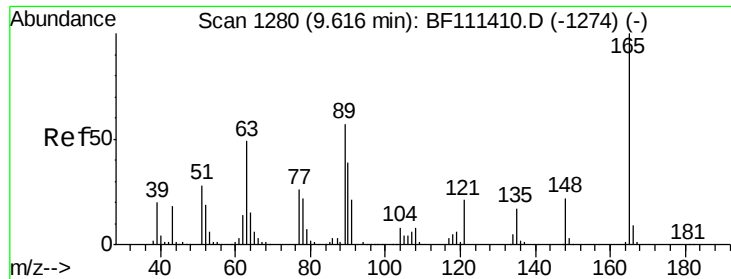


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.994 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.21 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

BNA_F

ClientSampleId :

TP-3

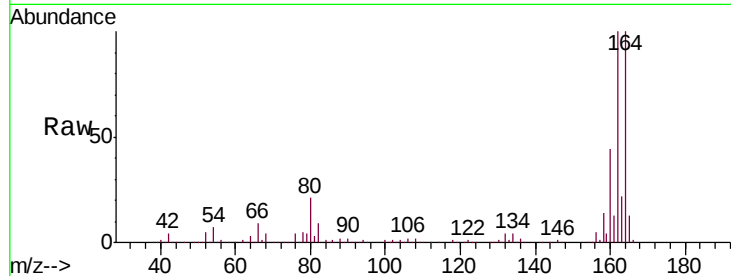
Tgt Ion:165 Resp: 42106

Ion Ratio Lower Upper

165 100

63 1.3 40.5 60.7#

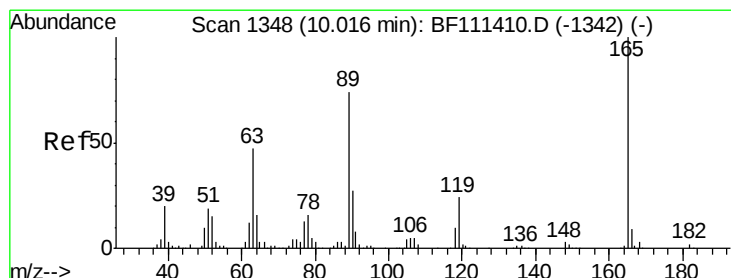
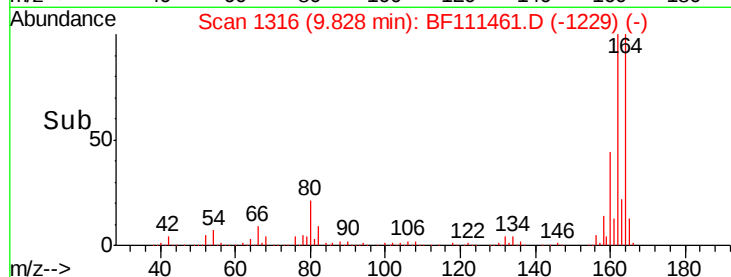
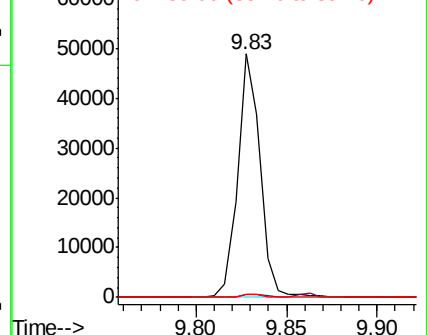
89 1.1 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 6.091 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.19 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Tgt Ion:165 Resp: 42106

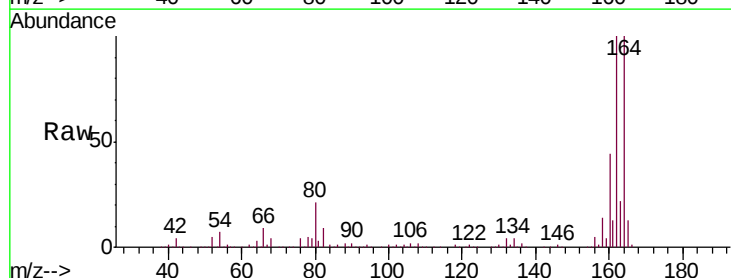
Ion Ratio Lower Upper

165 100

63 1.3 34.6 52.0#

89 1.1 56.2 84.4#

182 0.0 1.8 2.6#

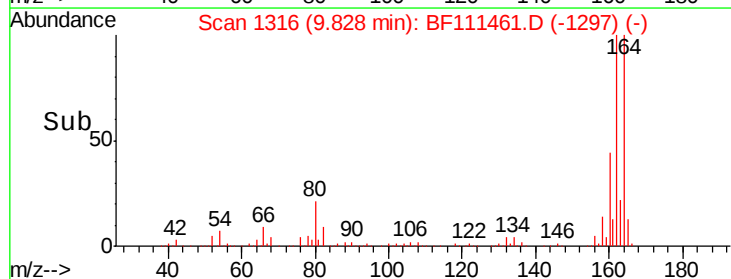
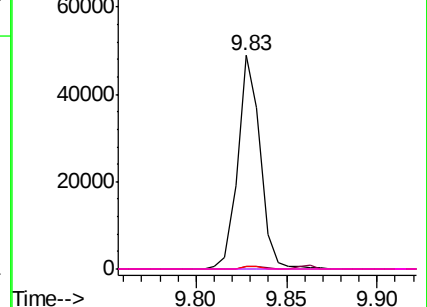


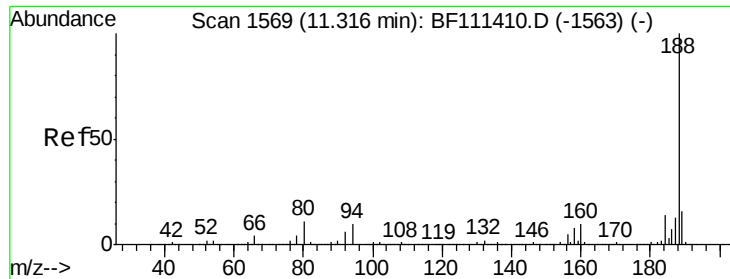
Abundance Ion 165.00 (164.70 to 165.70): E

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

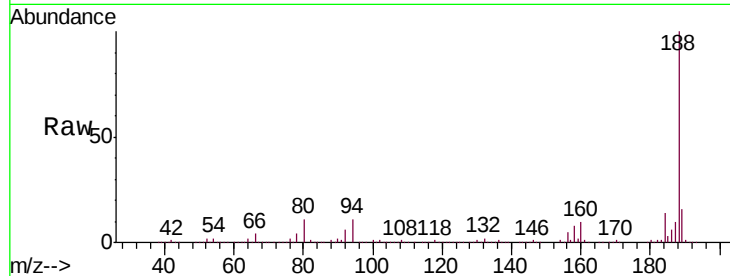




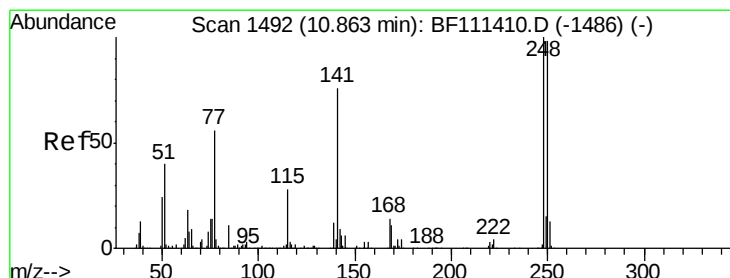
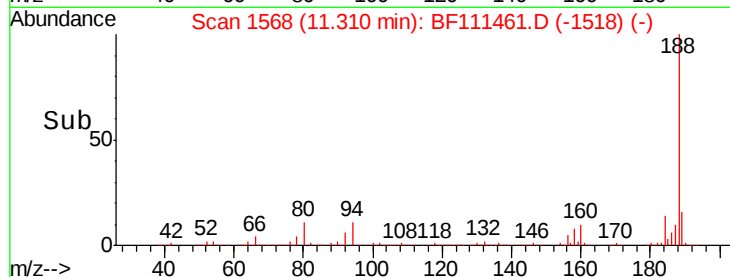
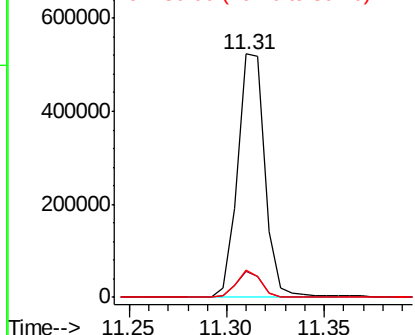
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:188 Resp: 508793
Ion Ratio Lower Upper
188 100
94 10.7 9.6 14.4
80 11.3 9.8 14.6

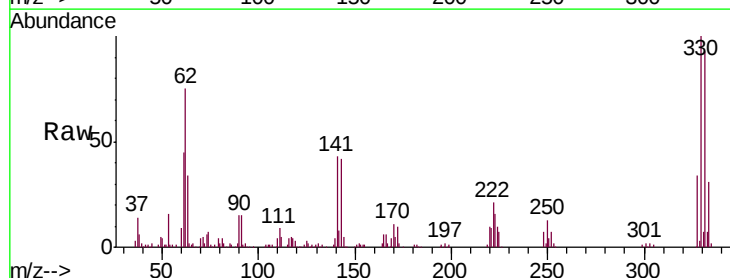


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

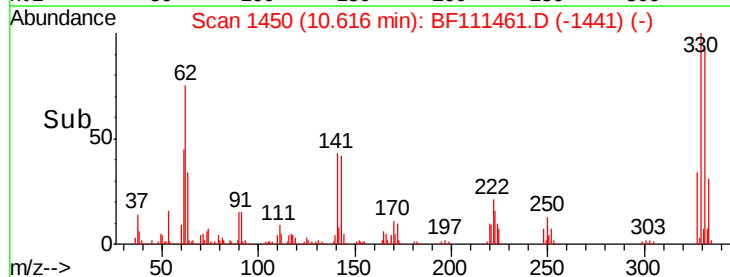
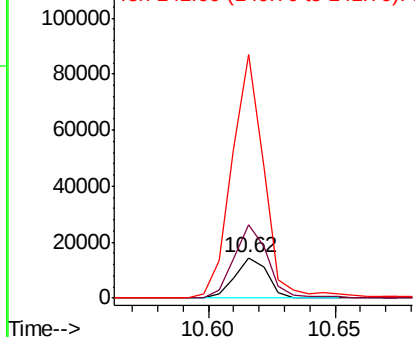


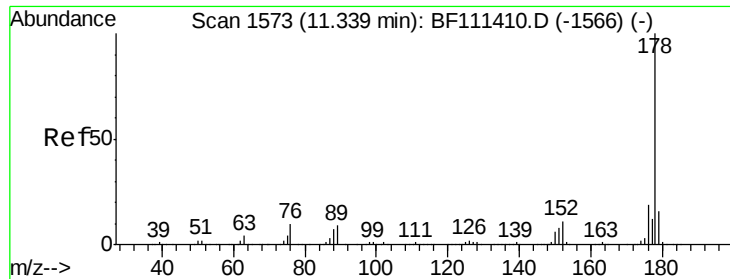
#67
4-Bromophenyl-phenylether
Concen: 2.341 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

Tgt Ion:248 Resp: 12835
Ion Ratio Lower Upper
248 100
250 182.8 77.0 115.4#
141 607.0 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

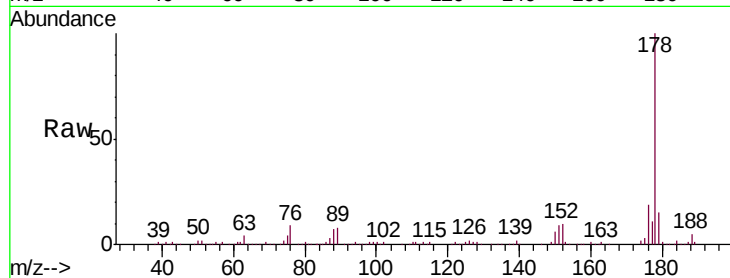




#71
Phenanthrene
Concen: 5.913 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

Instrument :
BNA_F
ClientSampled :
TP-3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	18.1	27.1
179	14.7	14.0	21.0

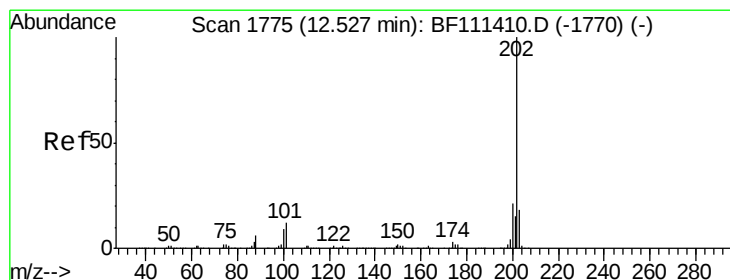
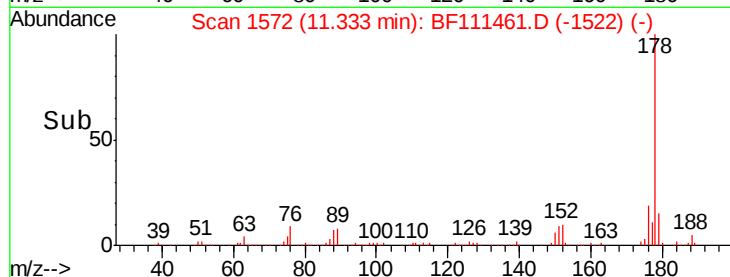
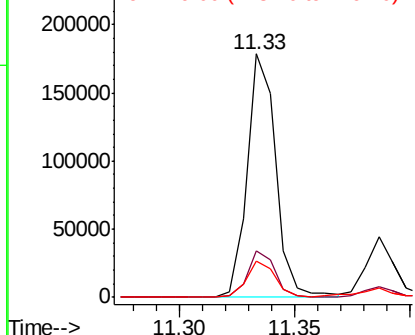


Abundance

Ion 178.00 (177.70 to 178.70): E

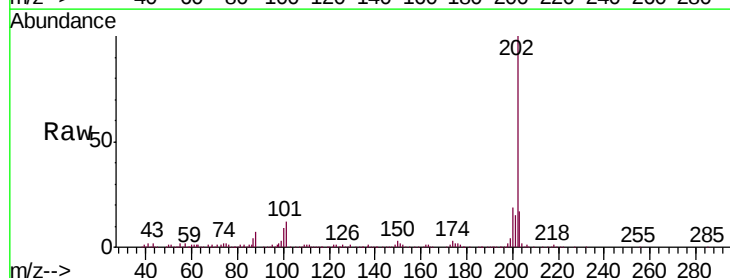
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 9.145 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.8
203	17.1	0.0	38.6

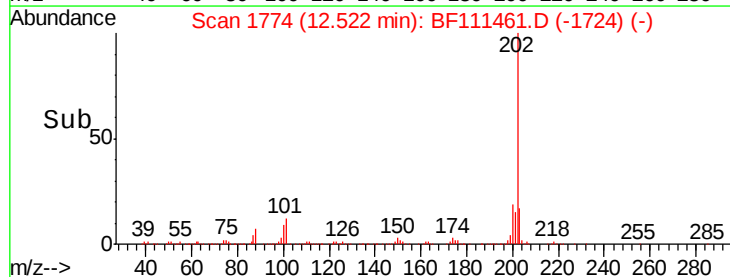
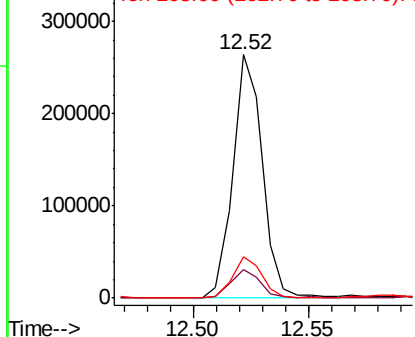


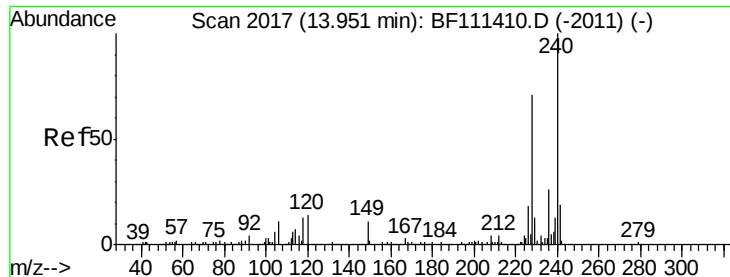
Abundance

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: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

BNA_F

ClientSampleId :

TP-3

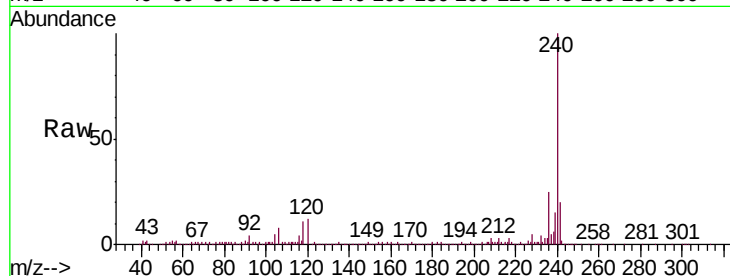
Tgt Ion:240 Resp: 358695

Ion Ratio Lower Upper

240 100

120 12.1 12.2 18.2#

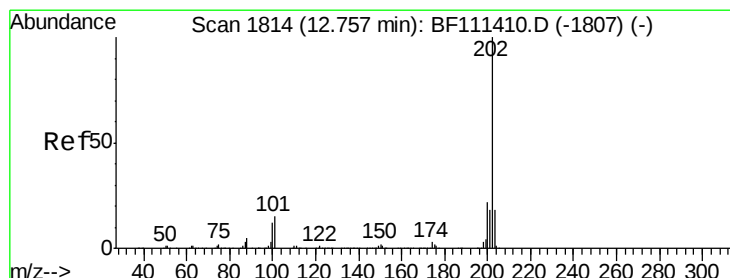
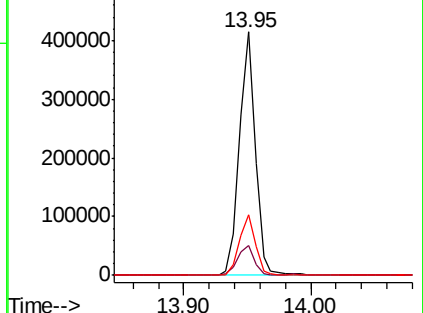
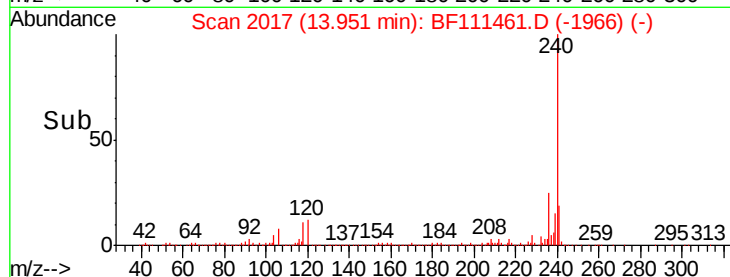
236 24.7 20.2 30.2



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: 8.675 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

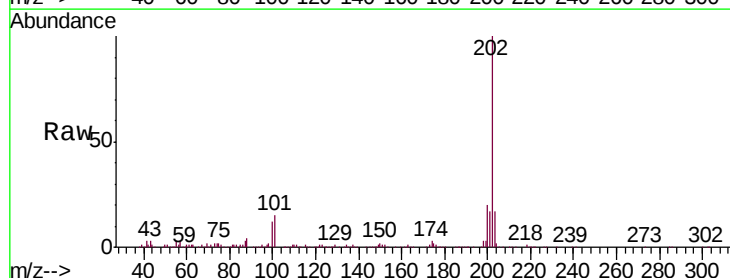
Tgt Ion:202 Resp: 219373

Ion Ratio Lower Upper

202 100

200 19.8 19.0 28.4

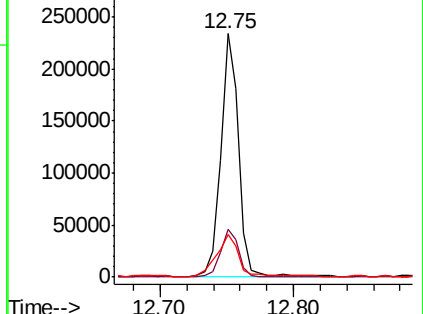
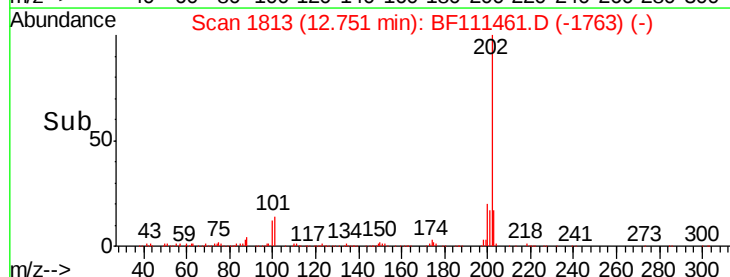
203 17.4 15.2 22.8

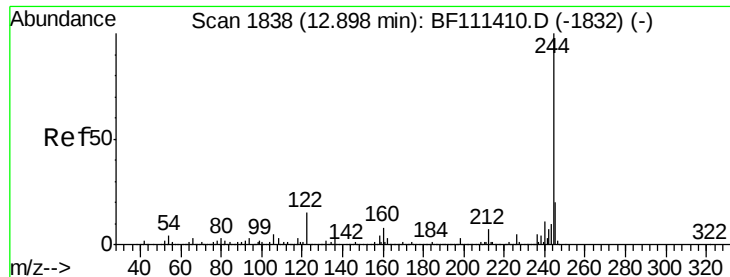


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 51.124 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

BNA_F

ClientSampleId :

TP-3

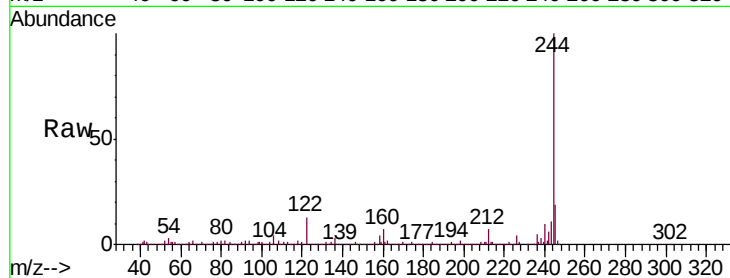
Tgt Ion:244 Resp: 780919

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

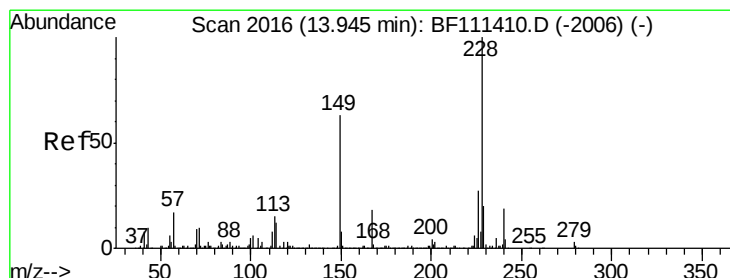
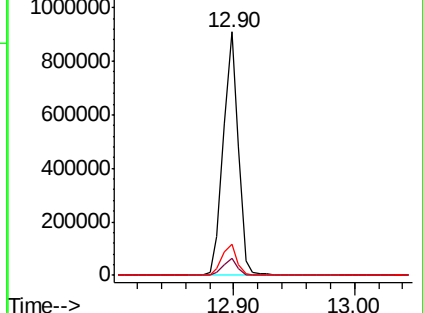
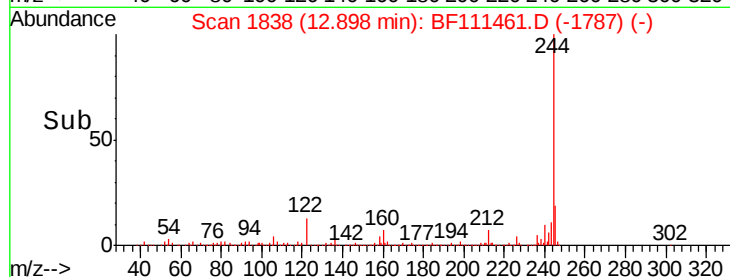
122 12.6 13.1 19.7#



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: 5.906 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

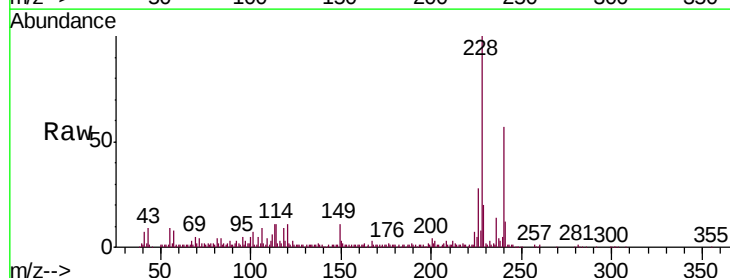
Tgt Ion:228 Resp: 115198

Ion Ratio Lower Upper

228 100

226 27.8 22.6 34.0

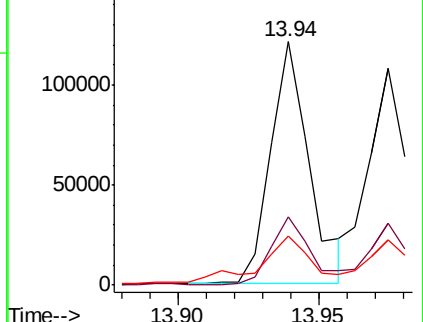
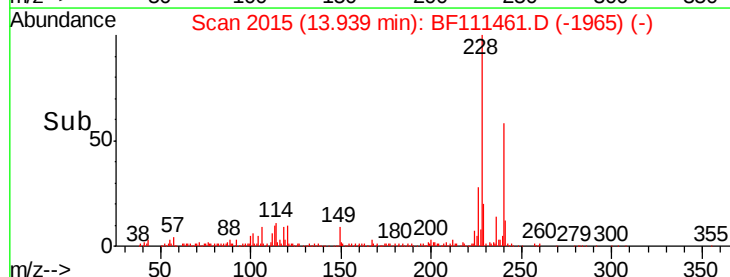
229 20.4 16.3 24.5

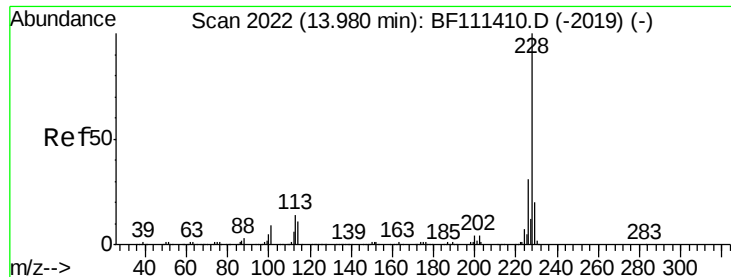


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

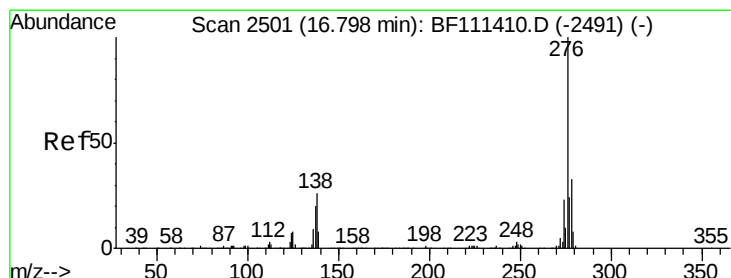
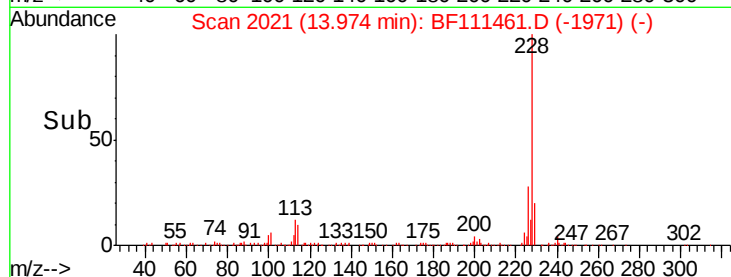
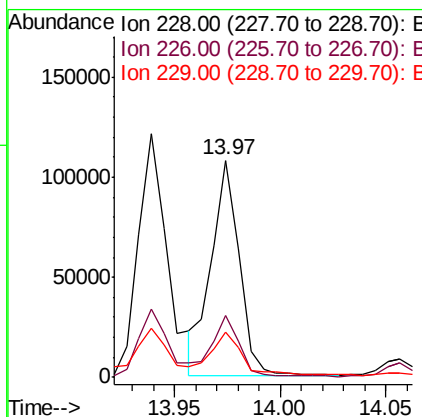
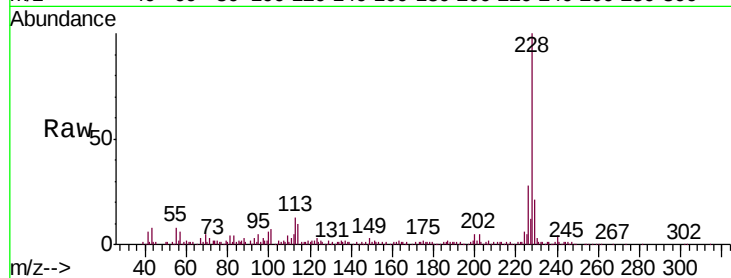




#83
Chrysene
Concen: 4.927 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

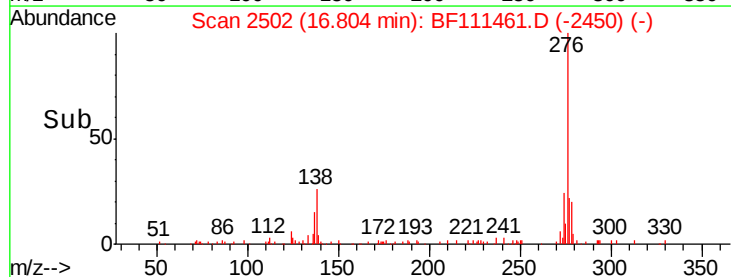
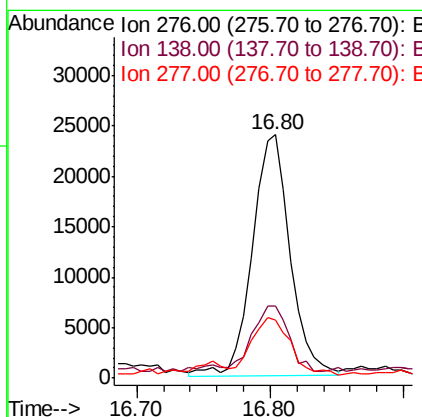
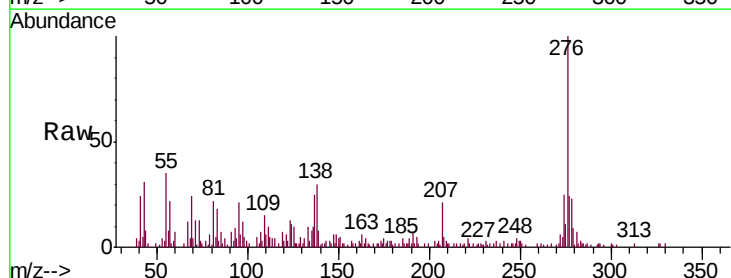
Instrument :
BNA_F
ClientSampleId :
TP-3

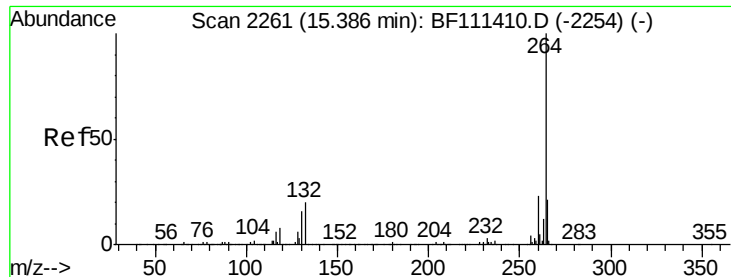
Tgt Ion: 228 Resp: 101224
Ion Ratio Lower Upper
228 100
226 28.5 25.3 37.9
229 20.6 17.2 25.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.143 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

Tgt Ion: 276 Resp: 46606
Ion Ratio Lower Upper
276 100
138 26.0 27.8 41.6#
277 23.5 20.1 30.1



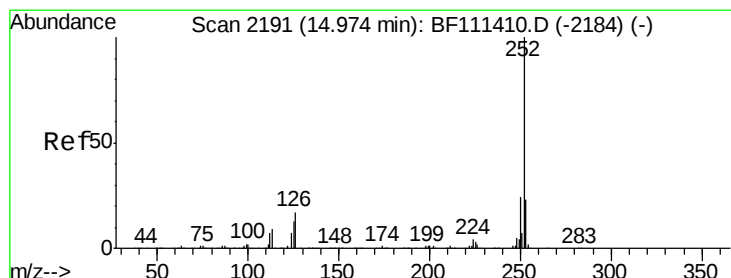
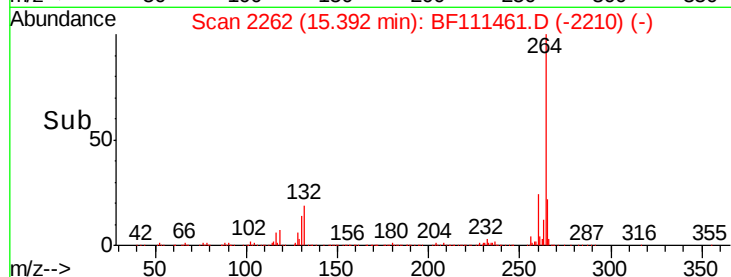
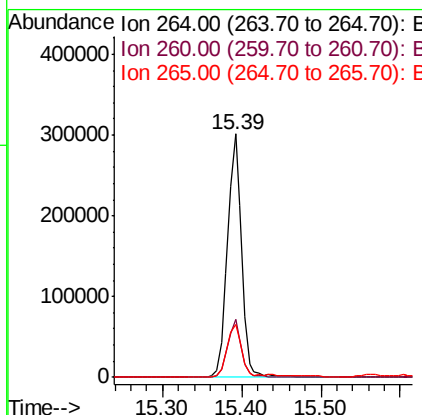
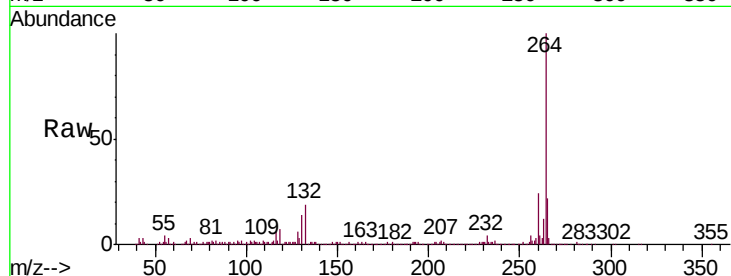


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:264 Resp: 375169

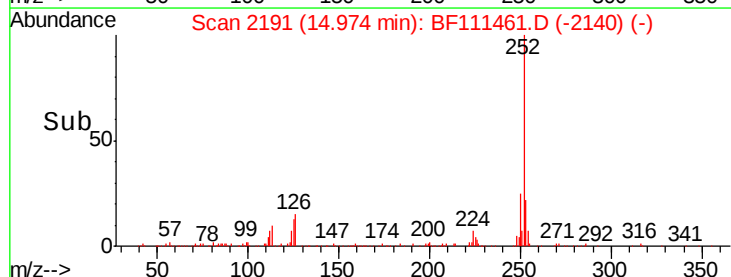
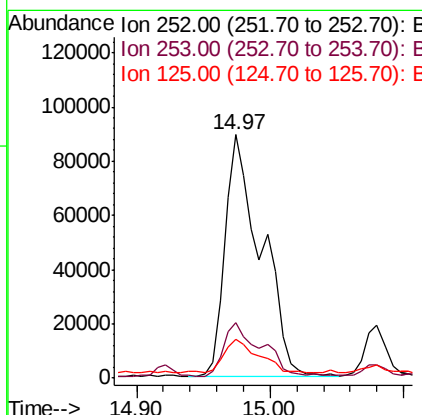
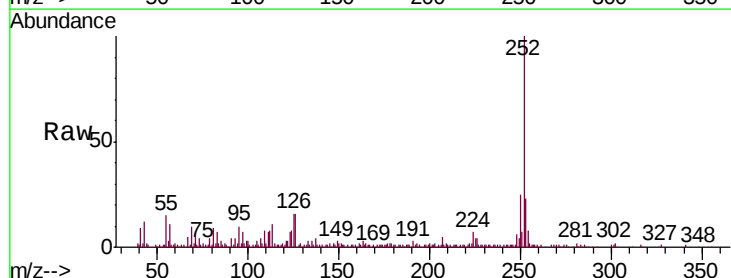
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	21.7	17.7	26.5

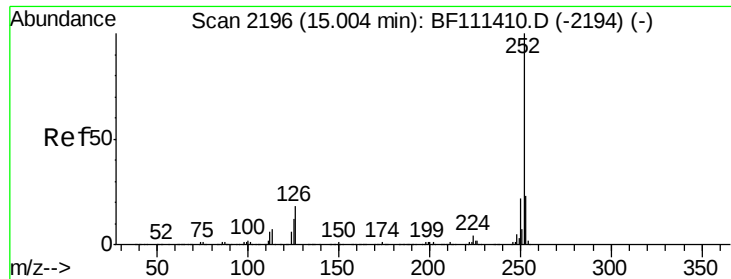


#88
Benzo(b)fluoranthene
Concen: 7.741 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111461.D
Acq: 15 Dec 2018 11:50

Tgt Ion:252 Resp: 169316

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	16.1	10.4	15.6#





#89

Benzo(k)fluoranthene

Concen: 8.101 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

Instrument :

BNA_F

ClientSampleId :

TP-3

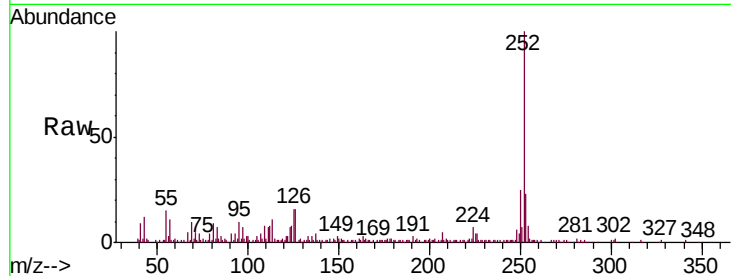
Tgt Ion:252 Resp: 169316

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

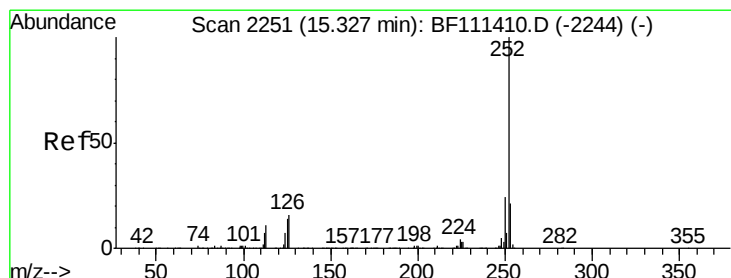
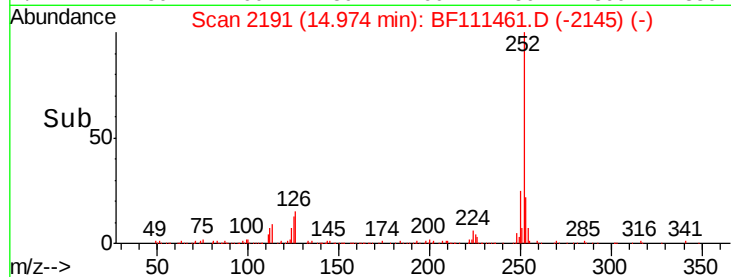
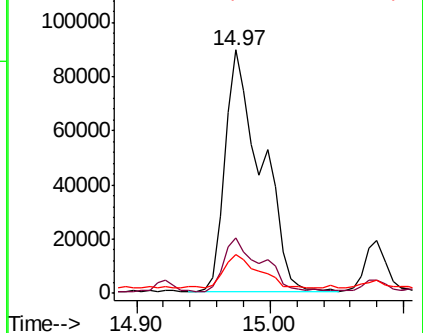
125 16.1 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 4.812 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111461.D

Acq: 15 Dec 2018 11:50

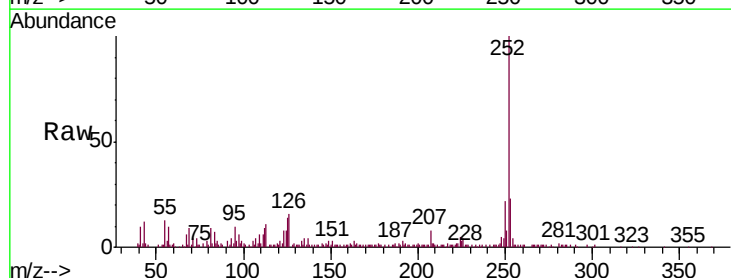
Tgt Ion:252 Resp: 94907

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

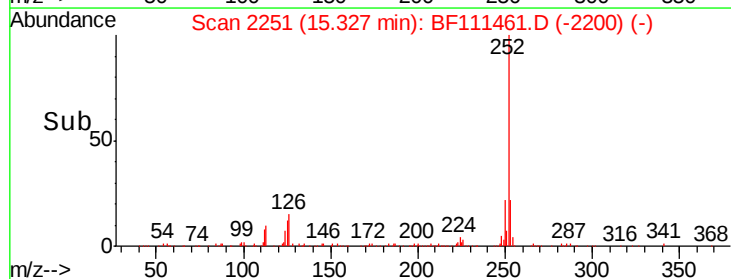
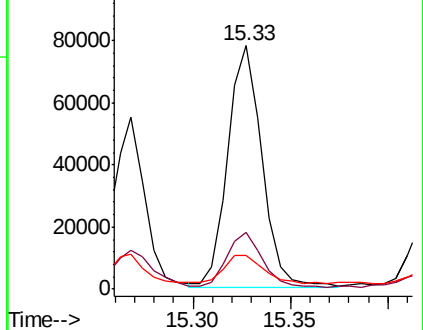
125 13.8 12.3 18.5

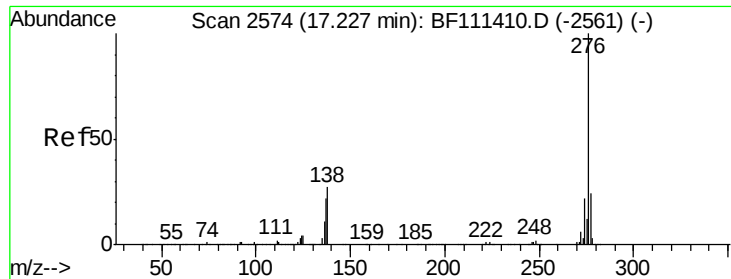


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.893 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF111461.D
 Acq: 15 Dec 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	27.9	24.9	37.3

