

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111392.D
 Acq On : 14 Dec 2018 1:32
 Operator : JU/SJ
 Sample : J6210-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Dec 14 03:45:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	251945	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1063850	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	476670	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	697461	20.00	ng	0.00
76) Chrysene-d12	13.95	240	484168	20.00	ng	0.00
87) Perylene-d12	15.39	264	382854	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1979739	132.88	ng	0.02
7) Phenol-d6	6.45	99	2595218	129.19	ng	0.01
23) Nitrobenzene-d5	7.36	82	1500433	79.49	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	438437	104.34	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2112121	71.14	ng	0.00
79) Terphenyl-d14	12.90	244	1353585	61.53	ng	0.00

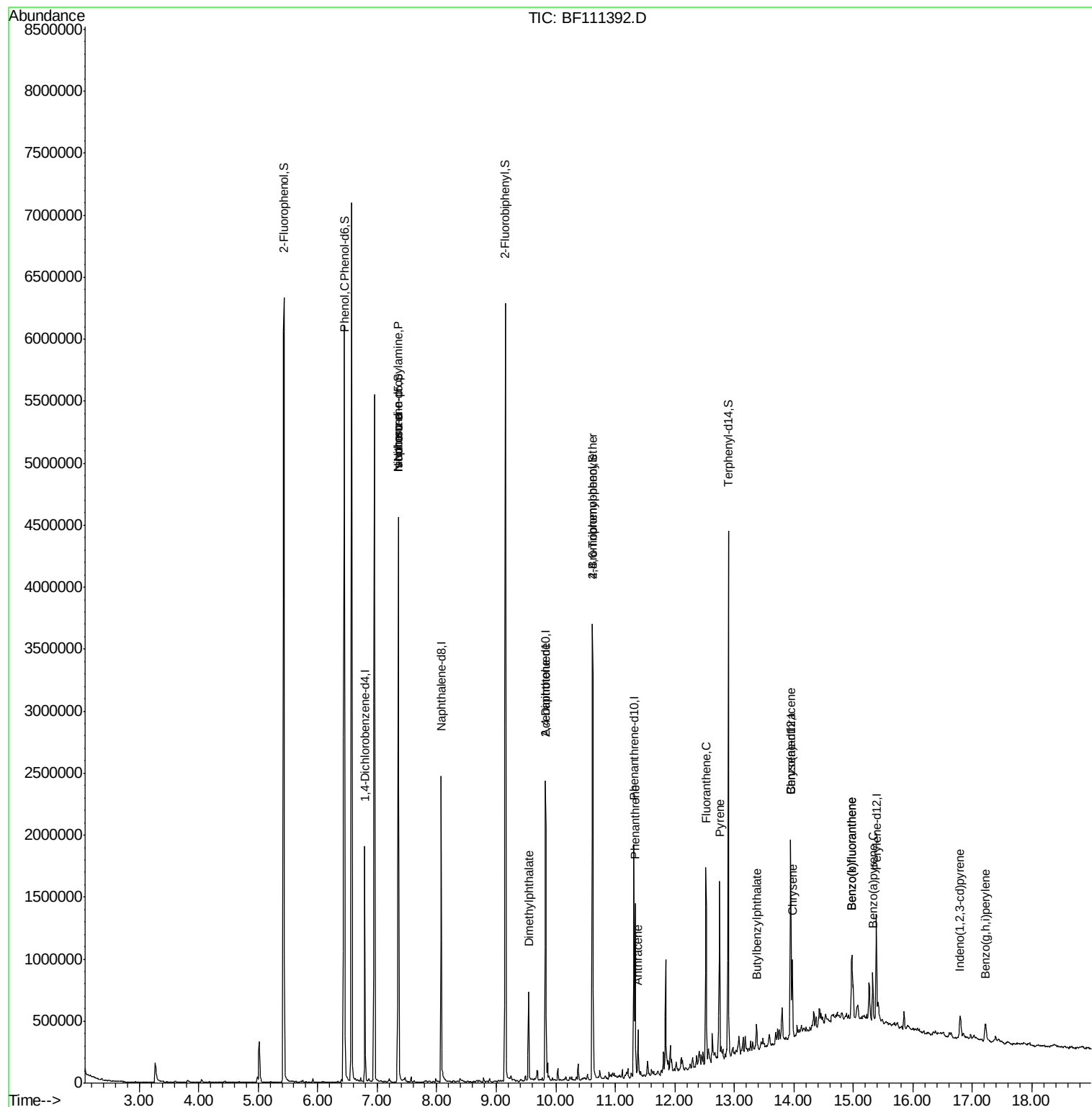
Target Compounds				Qvalue		
9) Benzaldehyde	6.34	77	1731	Below Cal	#	80
10) Phenol	6.46	94	203727	8.953	ng	90
19) n-Nitroso-di-n-propylamine	7.36	70	199151	14.919	ng	# 78
25) Isophorone	7.36	82	1489435	46.456	ng	# 64
50) Dimethylphthalate	9.55	163	238738	6.965	ng	99
57) 2,4-Dinitrotoluene	9.83	165	61565	6.322	ng	# 25
67) 4-Bromophenyl-phenylether	10.62	248	27440	3.534	ng	# 1
71) Phenanthrene	11.33	178	488800	13.559	ng	95
72) Anthracene	11.39	178	149162	4.064	ng	94
75) Fluoranthene	12.52	202	629825	17.896	ng	98
78) Pyrene	12.75	202	556071	14.881	ng	95
80) Butylbenzylphthalate	13.37	149	38016	2.119	ng	85
81) Benzo(a)anthracene	13.94	228	238469	8.803	ng	97
83) Chrysene	13.97	228	249974	9.044	ng	95
86) Indeno(1,2,3-cd)pyrene	16.79	276	111822	5.173	ng	94
88) Benzo(b)fluoranthene	14.97	252	373727	17.167	ng	# 97
89) Benzo(k)fluoranthene	14.97	252	373727	17.198	ng	# 96
90) Benzo(a)pyrene	15.32	252	187722	9.261	ng	98
92) Benzo(g,h,i)perylene	17.22	276	113549	6.734	ng	98

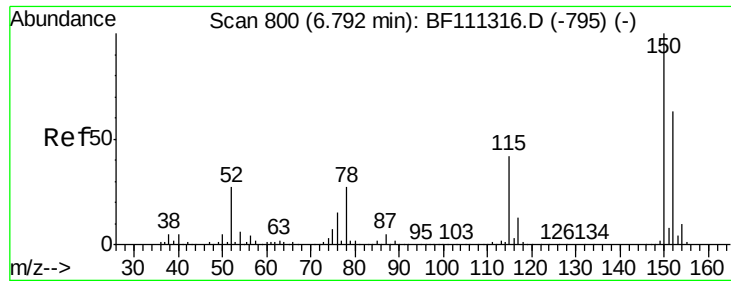
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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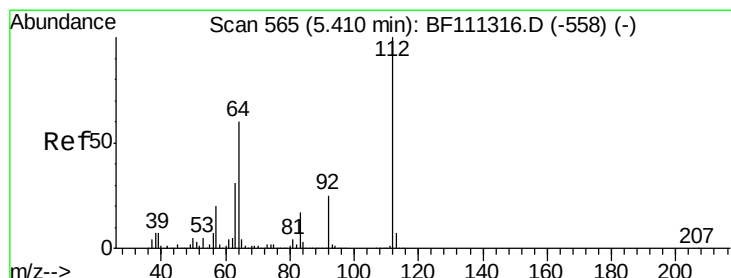
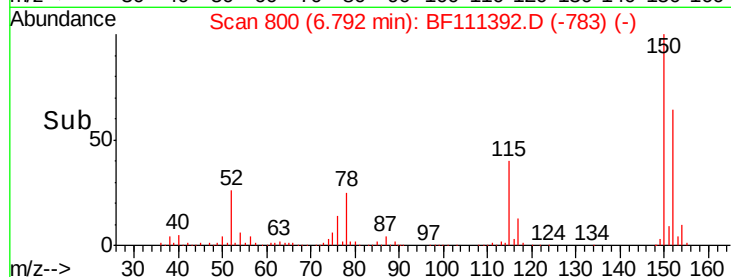
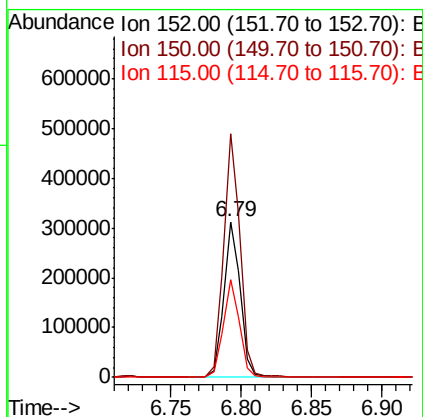
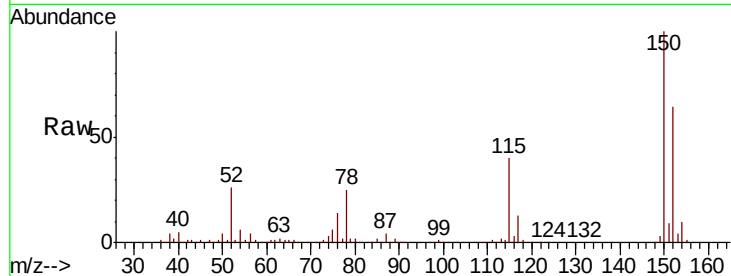




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

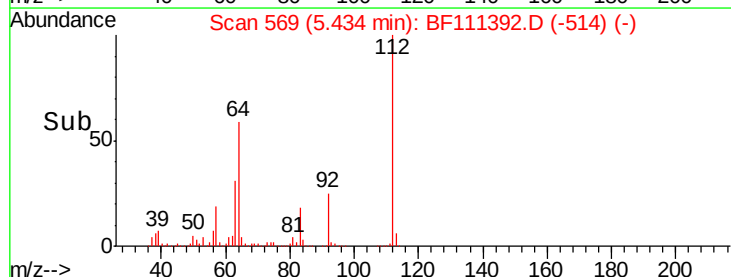
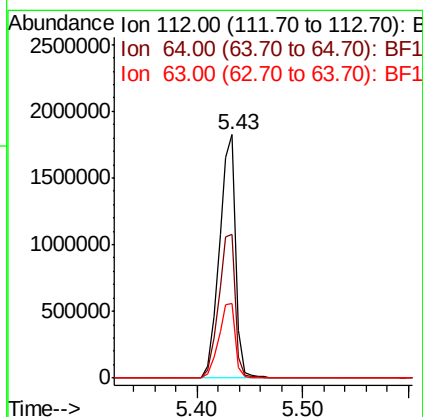
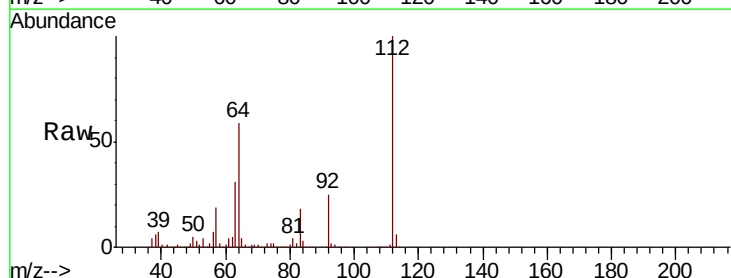
Instrument :
 BNA_F
 ClientSampled :
 TP-4

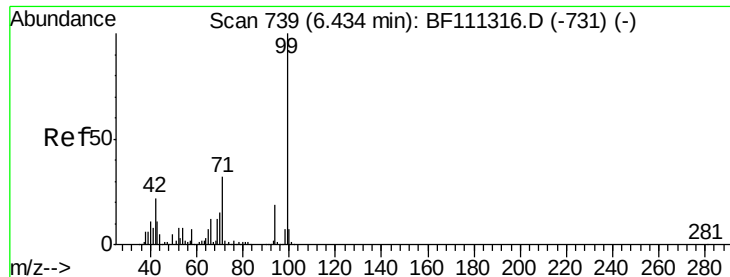
Tgt Ion:152 Resp: 251945
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.6 189.8
 115 62.7 50.7 76.1



#5
 2-Fluorophenol
 Concen: 132.878 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.02 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Tgt Ion:112 Resp: 1979739
 Ion Ratio Lower Upper
 112 100
 64 59.0 51.8 77.6
 63 30.6 26.8 40.2





#7

Phenol-d6

Concen: 129.194 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

ClientSampled :

TP-4

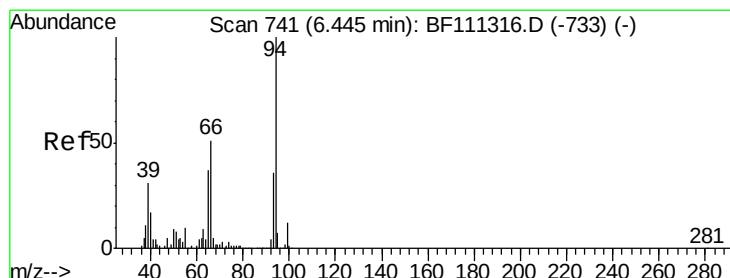
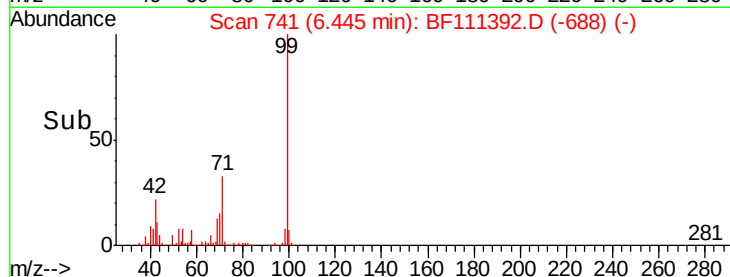
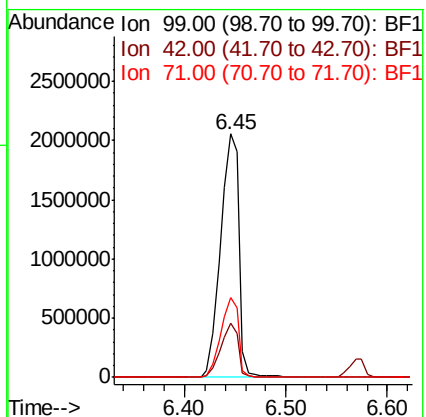
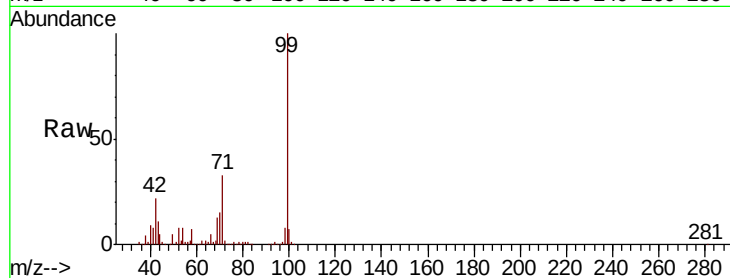
Tgt Ion: 99 Resp: 2595218

Ion Ratio Lower Upper

99 100

42 22.2 17.4 26.0

71 32.7 26.1 39.1



#10

Phenol

Concen: 8.953 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

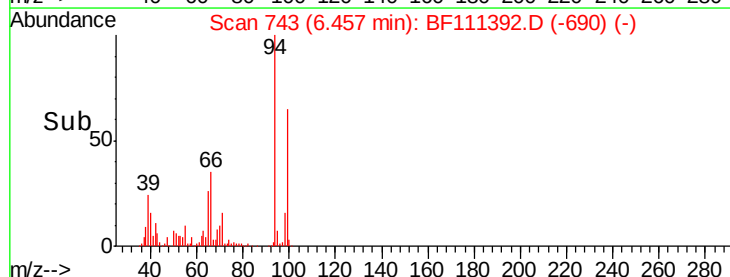
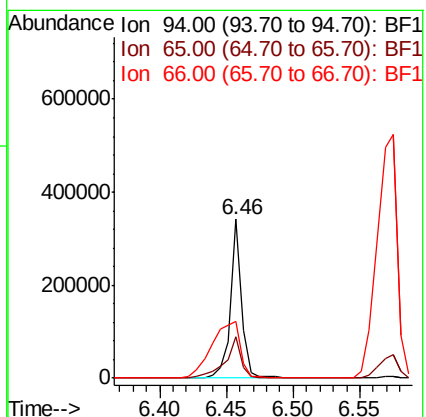
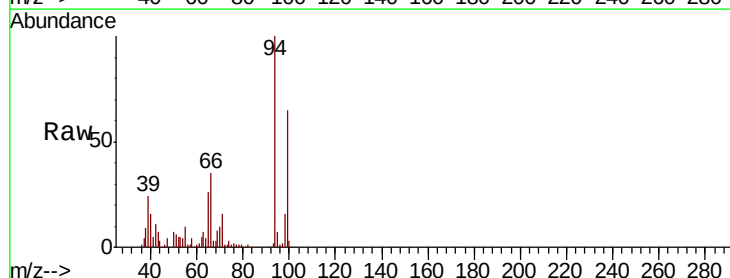
Tgt Ion: 94 Resp: 203727

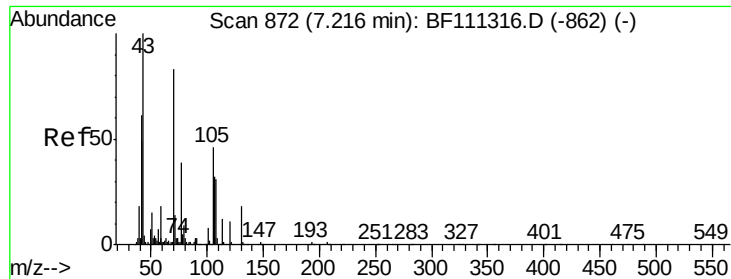
Ion Ratio Lower Upper

94 100

65 26.0 11.7 51.7

66 35.4 21.0 61.0

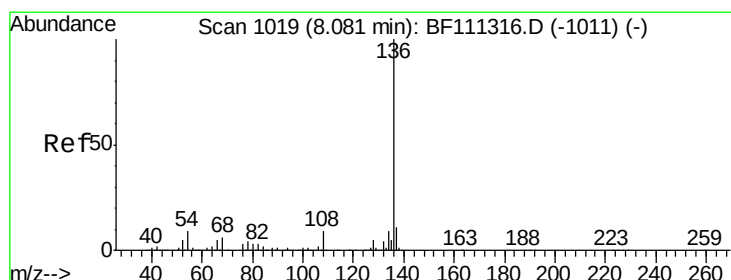
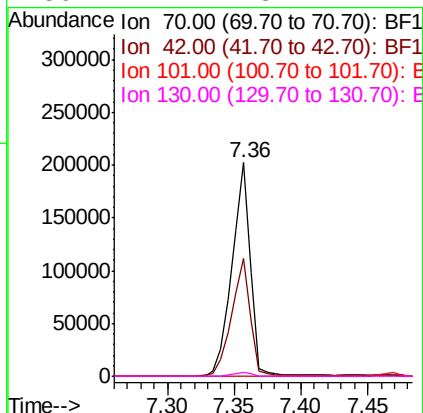
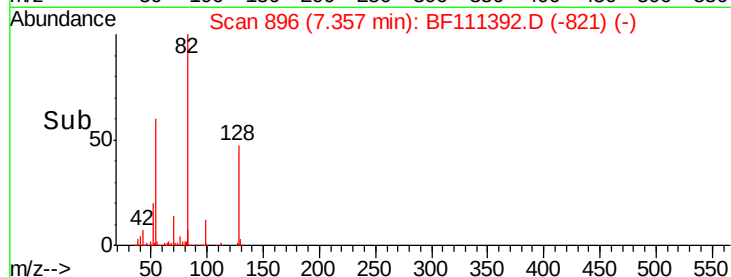
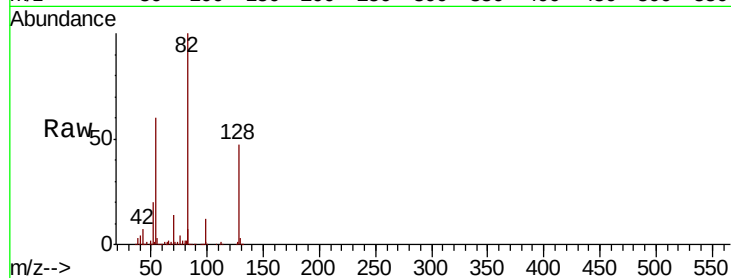




#19
n-Nitroso-di-n-propylamine
Concen: 14.919 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

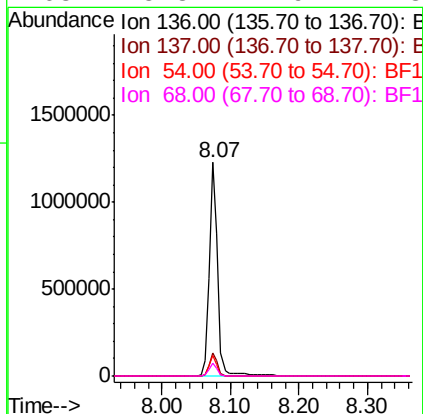
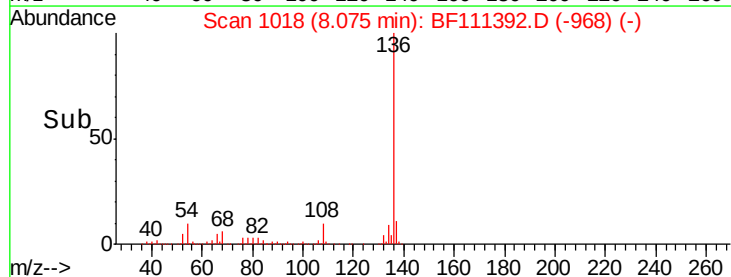
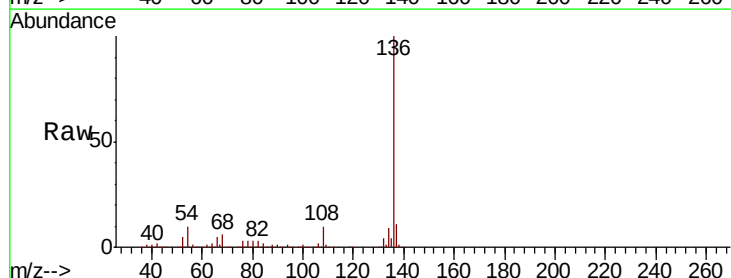
Instrument :
BNA_F
ClientSampleId :
TP-4

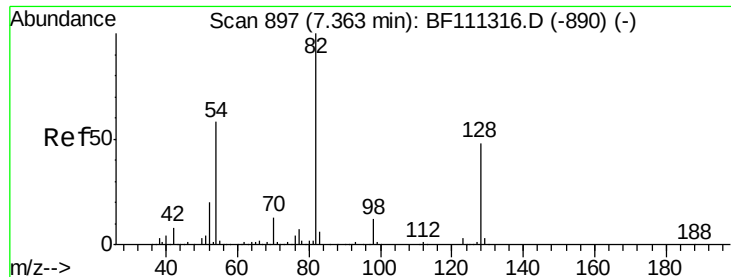
Tgt Ion: 70 Resp: 199151
Ion Ratio Lower Upper
70 100
42 54.9 53.2 79.8
101 0.0 8.2 12.4#
130 2.1 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion: 136 Resp: 1063850
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 9.6 7.7 11.5
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 79.494 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

ClientSampleId :

TP-4

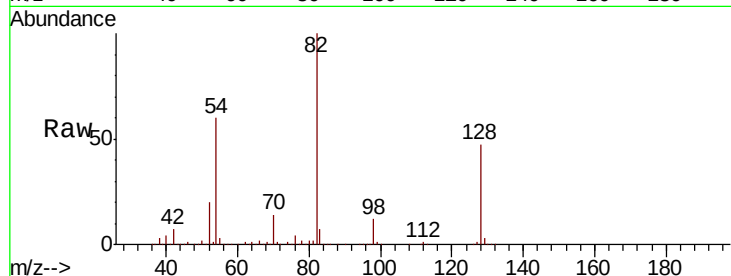
Tgt Ion: 82 Resp: 1500433

Ion Ratio Lower Upper

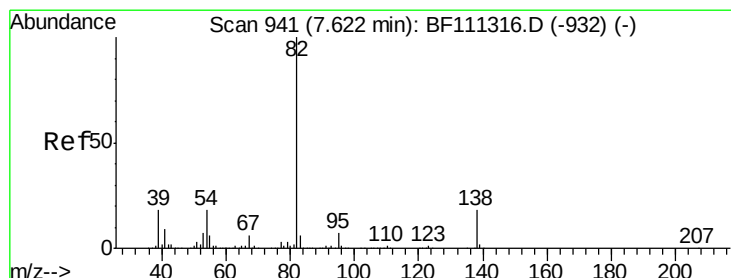
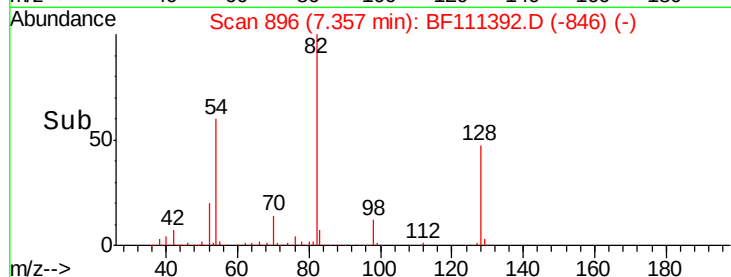
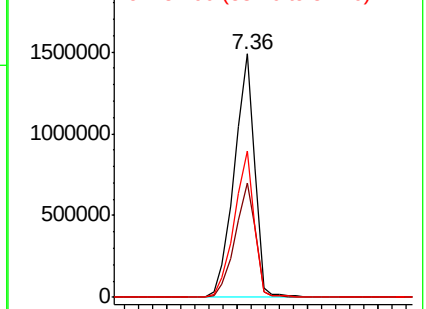
82 100

128 46.8 37.4 56.2

54 60.0 47.6 71.4



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 46.456 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

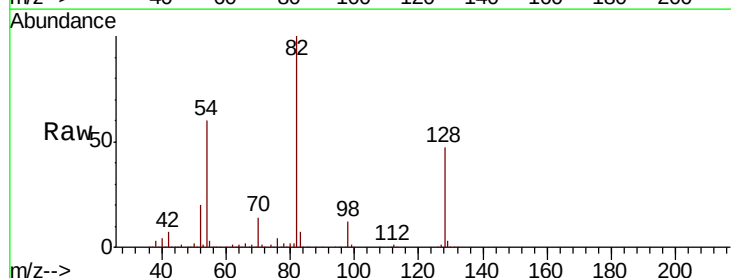
Tgt Ion: 82 Resp: 1489435

Ion Ratio Lower Upper

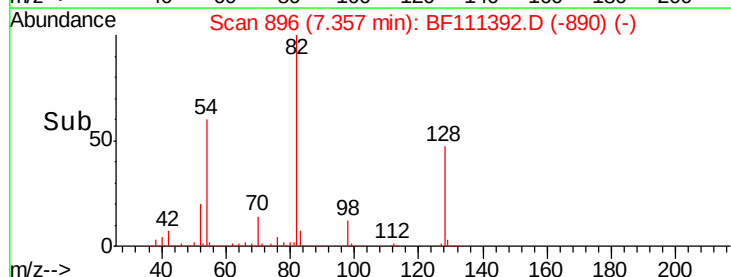
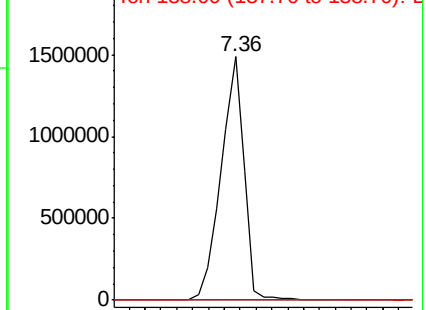
82 100

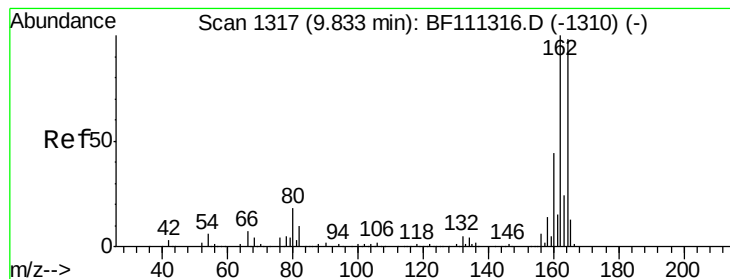
95 0.0 5.4 8.2#

138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 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: BF111392.D

Acq: 14 Dec 2018 1:32

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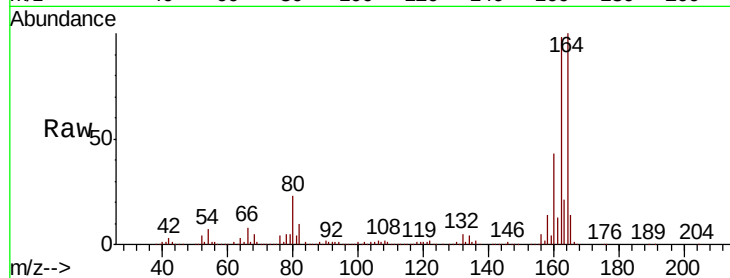
Tgt Ion:164 Resp: 476670

Ion Ratio Lower Upper

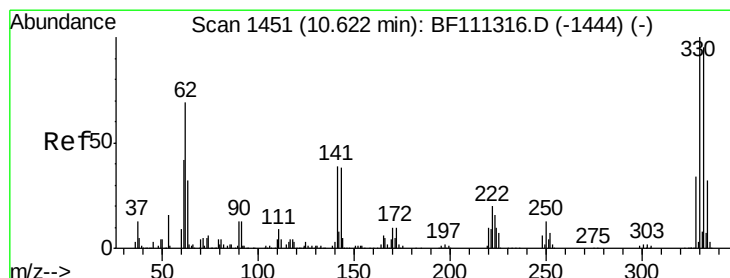
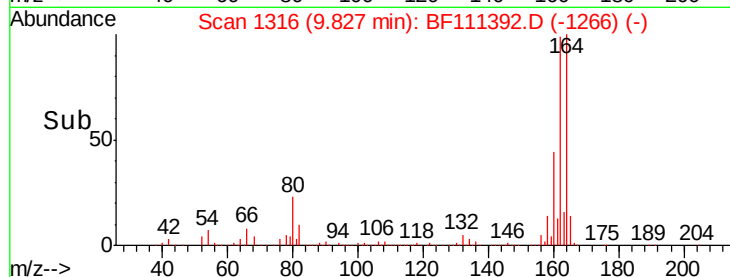
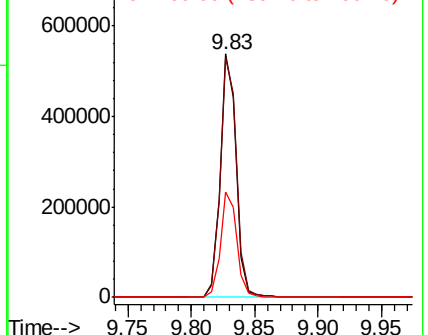
164 100

162 98.4 81.4 122.0

160 43.5 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: 104.342 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

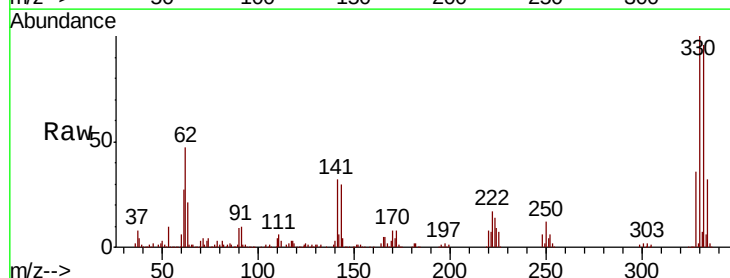
Tgt Ion:330 Resp: 438437

Ion Ratio Lower Upper

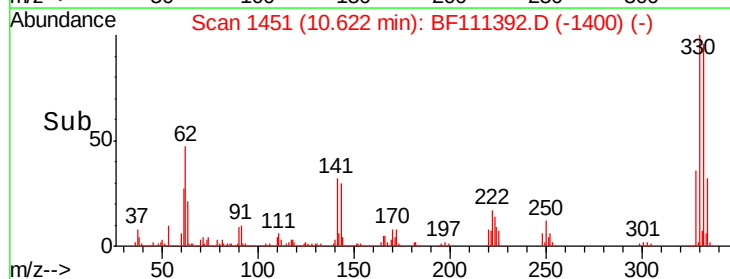
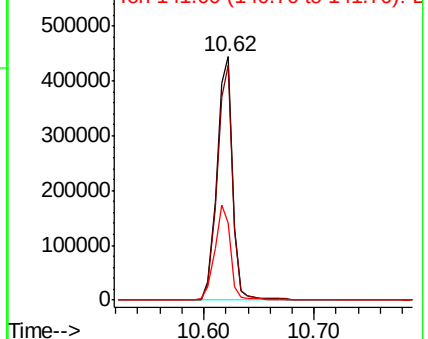
330 100

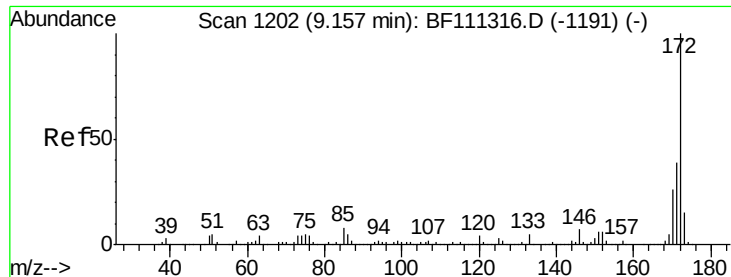
332 95.6 76.0 114.0

141 38.6 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

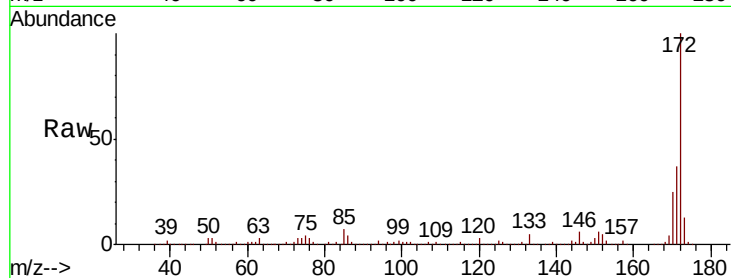




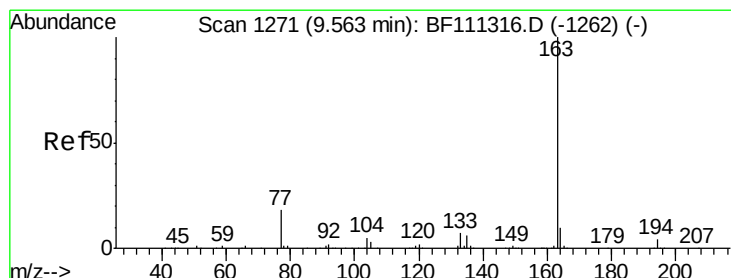
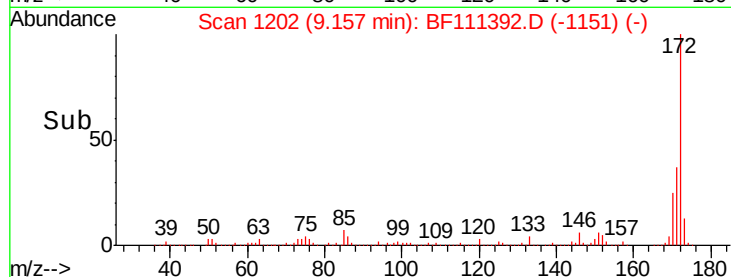
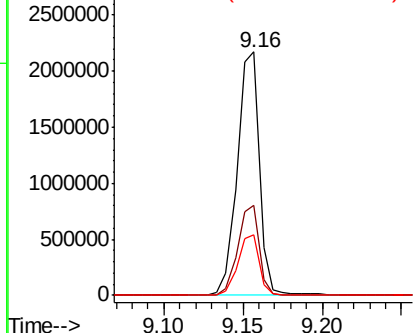
#45
 2-Fluorobiphenyl
 Concen: 71.139 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Instrument :
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 ClientSampled :
 TP-4

Tgt Ion:172 Resp: 2112121
 Ion Ratio Lower Upper
 172 100
 171 36.8 33.0 49.4
 170 24.6 22.3 33.5

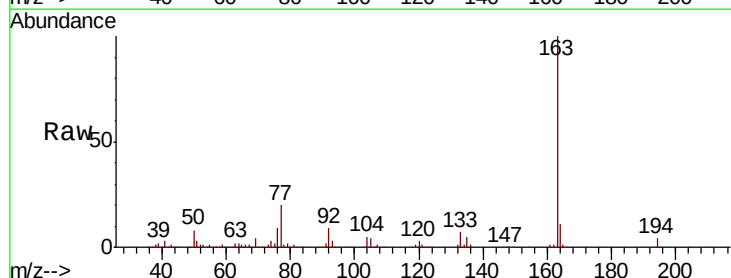


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

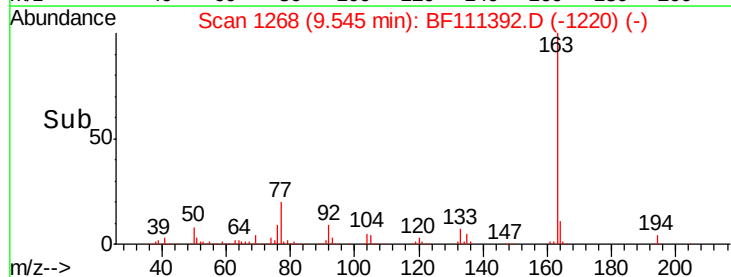
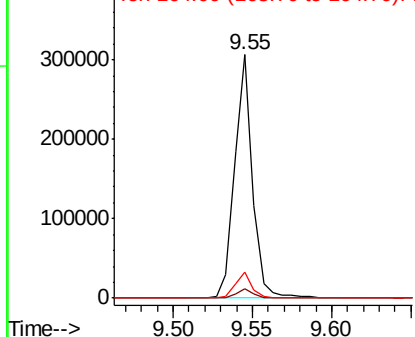


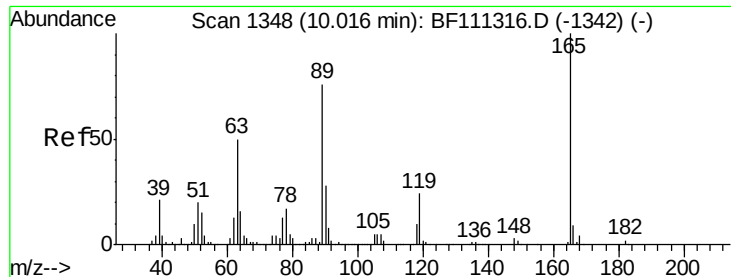
#50
 Dimethylphthalate
 Concen: 6.965 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Tgt Ion:163 Resp: 238738
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.0 4.6
 164 10.5 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

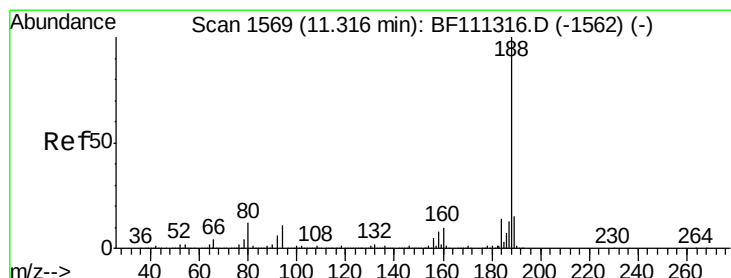
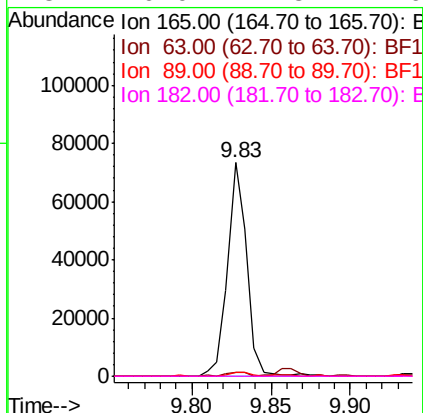
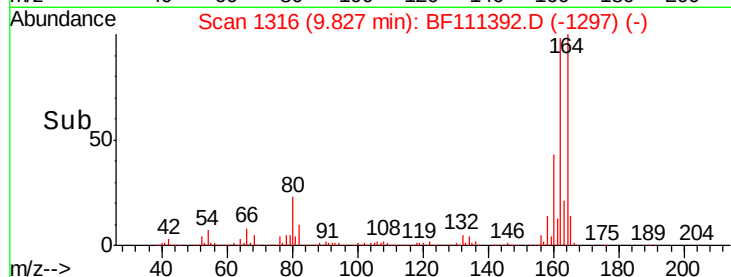
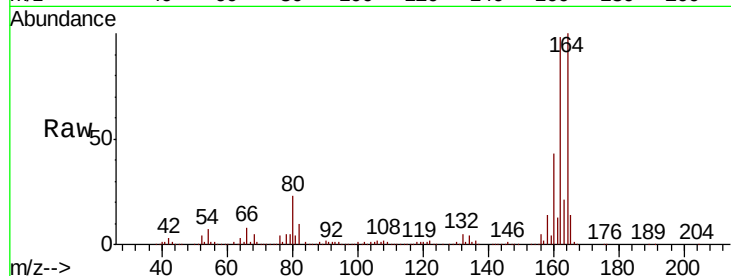




#57
 2,4-Dinitrotoluene
 Concen: 6.322 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

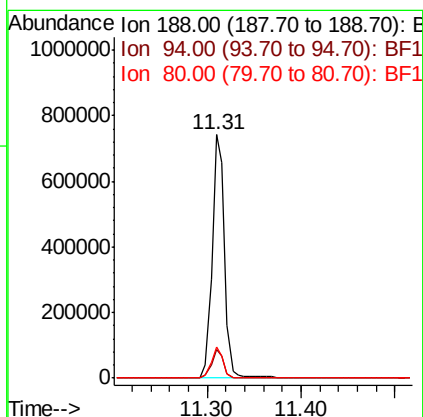
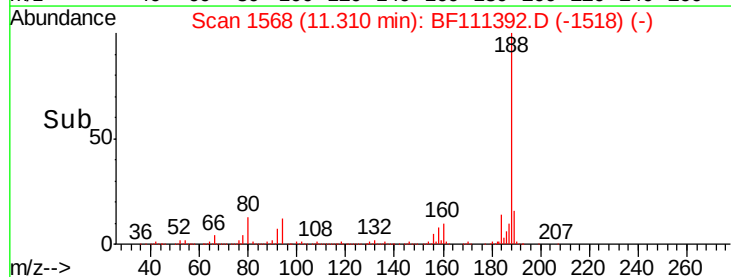
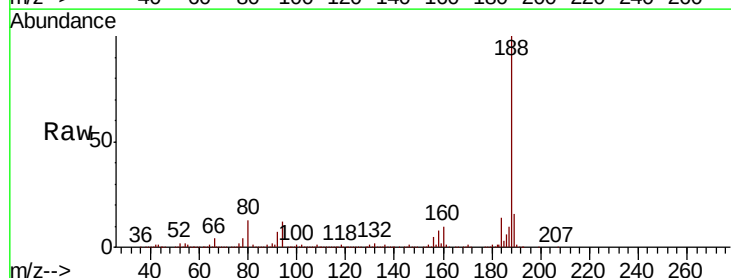
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

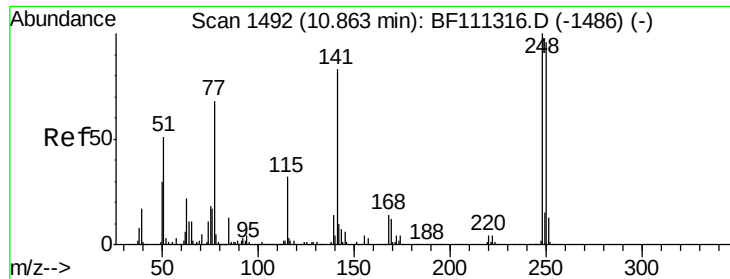
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.6	52.0#
89	1.5	56.2	84.4#
182	0.0	1.8	2.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.6	14.4
80	13.0	9.8	14.6

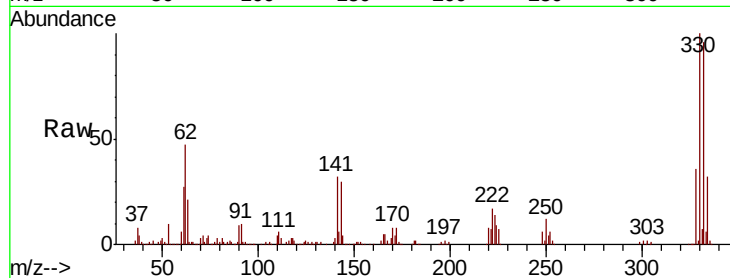




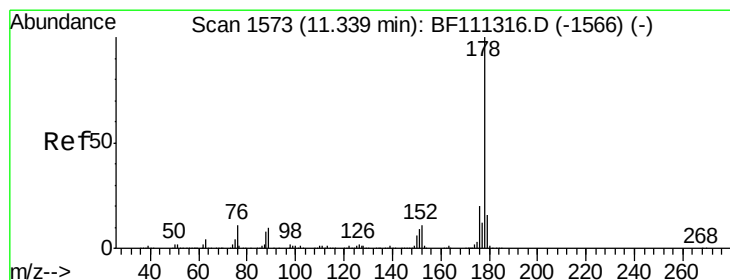
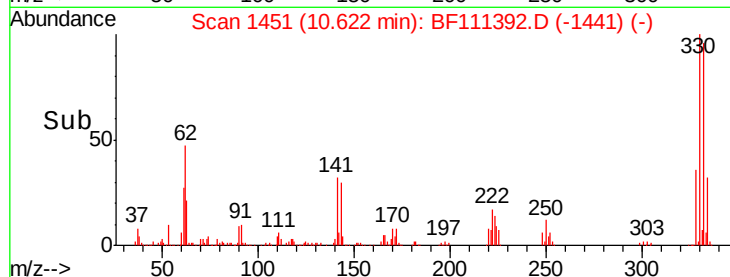
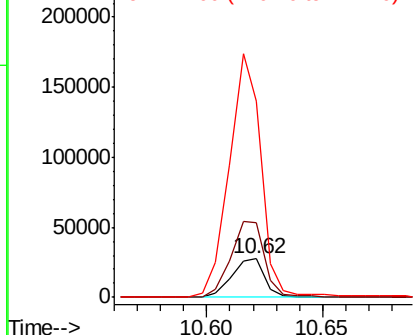
#67
 4-Bromophenyl-phenylether
 Concen: 3.534 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.24 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion: 248 Resp: 27440
 Ion Ratio Lower Upper
 248 100
 250 194.1 77.0 115.4#
 141 513.9 63.0 94.6#

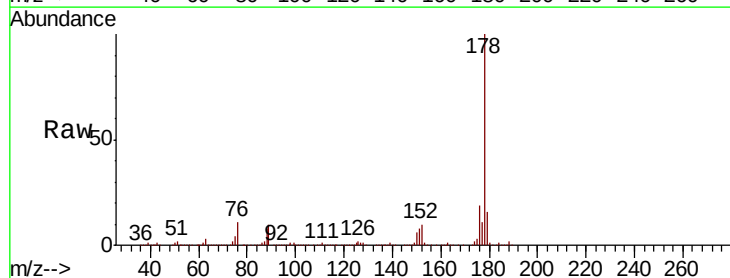


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

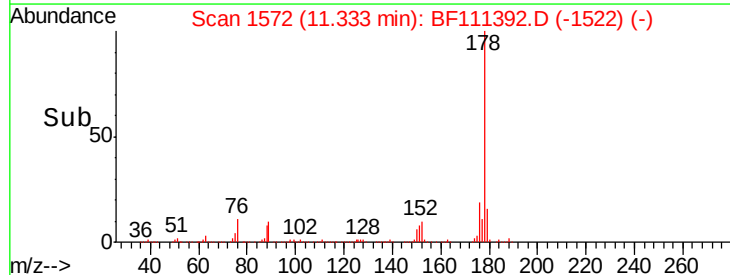
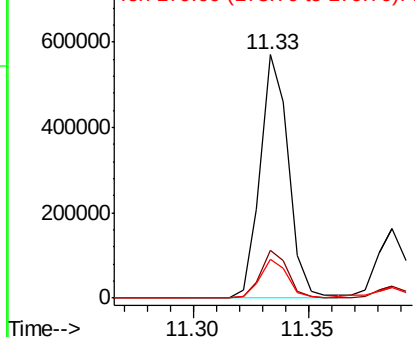


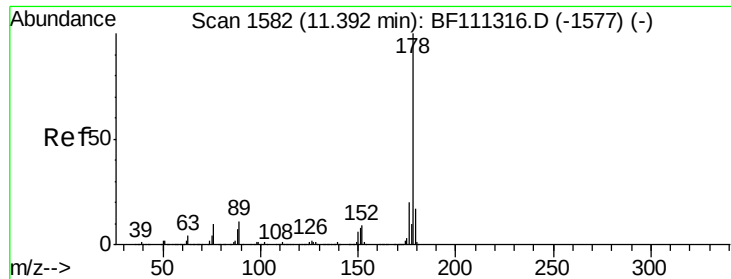
#71
 Phenanthrene
 Concen: 13.559 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Tgt Ion: 178 Resp: 488800
 Ion Ratio Lower Upper
 178 100
 176 19.4 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: 4.064 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

ClientSampleId :

TP-4

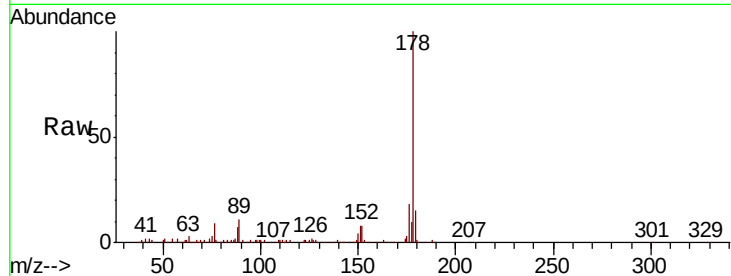
Tgt Ion:178 Resp: 149162

Ion Ratio Lower Upper

178 100

176 17.9 17.2 25.8

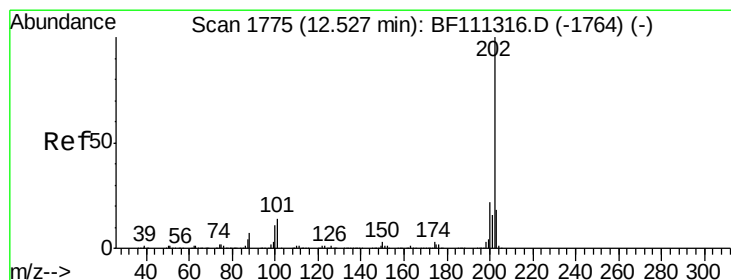
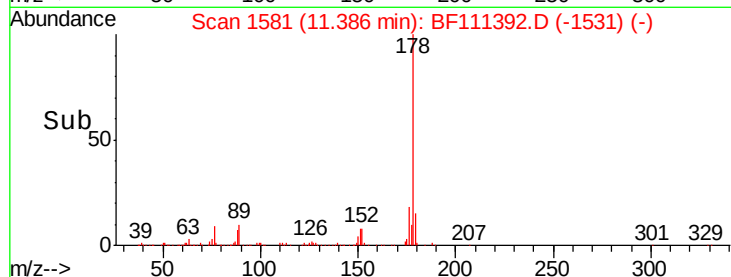
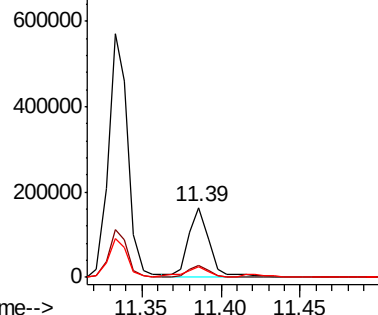
179 15.4 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 17.896 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

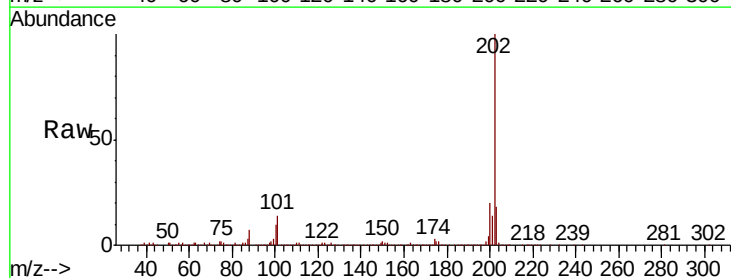
Tgt Ion:202 Resp: 629825

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.8

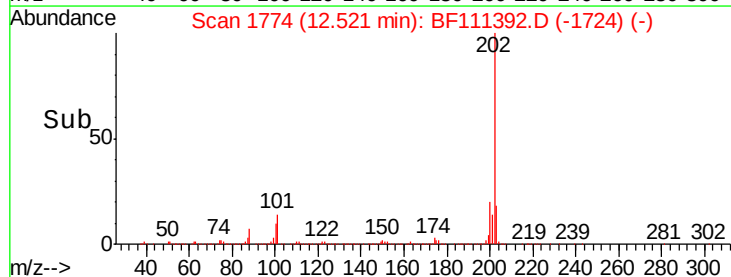
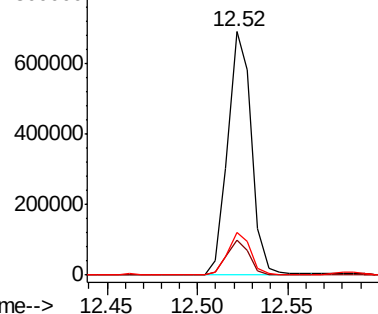
203 17.8 0.0 38.6

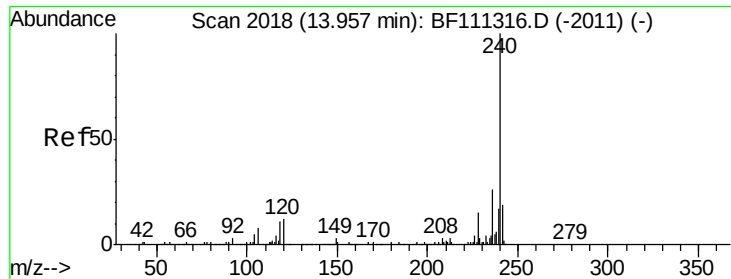


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

ClientSampleId :

TP-4

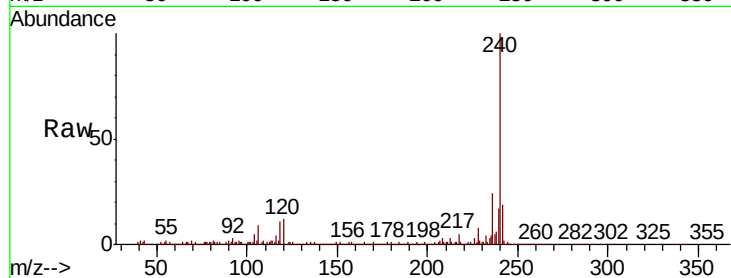
Tgt Ion:240 Resp: 484168

Ion Ratio Lower Upper

240 100

120 12.5 12.2 18.2

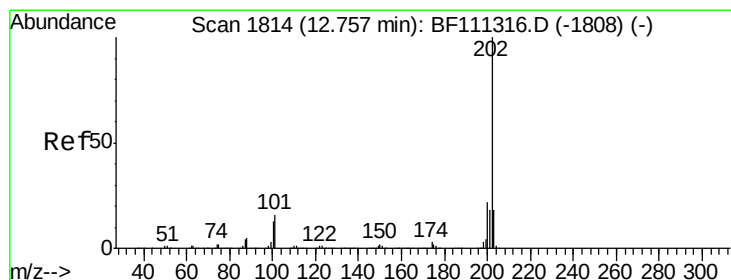
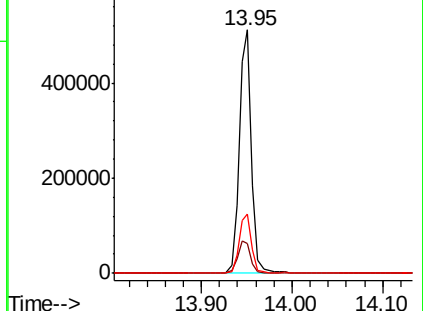
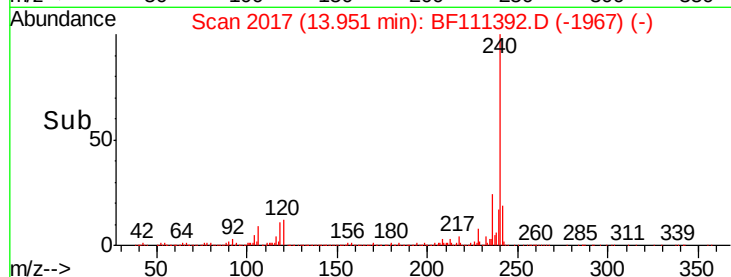
236 24.4 20.2 30.2



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: 14.881 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

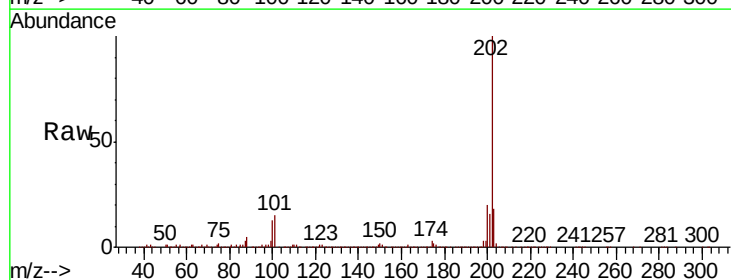
Tgt Ion:202 Resp: 556071

Ion Ratio Lower Upper

202 100

200 20.4 19.0 28.4

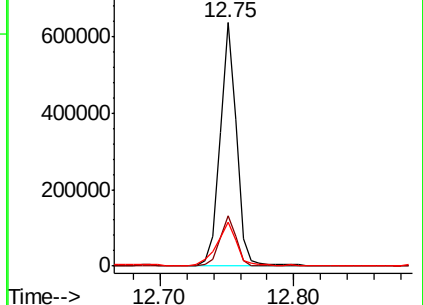
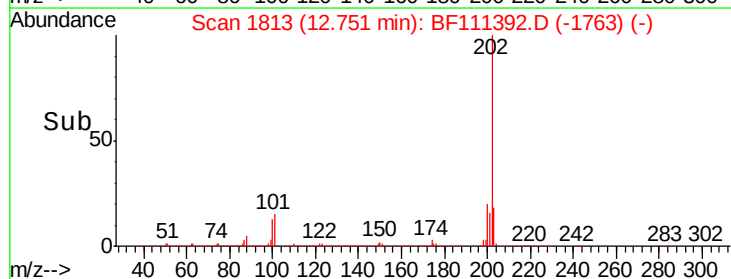
203 17.9 15.2 22.8

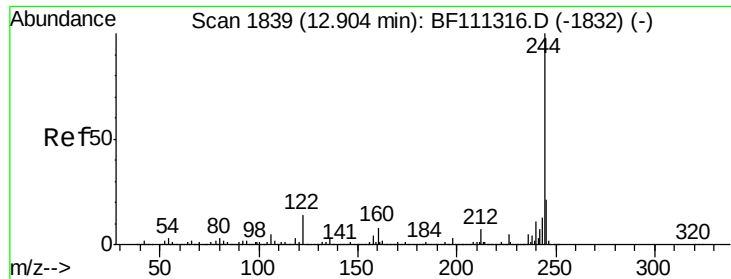


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.531 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

ClientSampleId :

TP-4

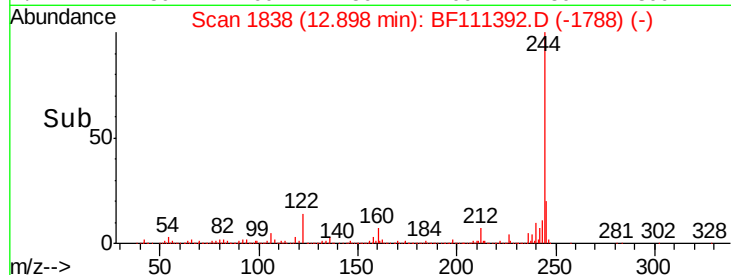
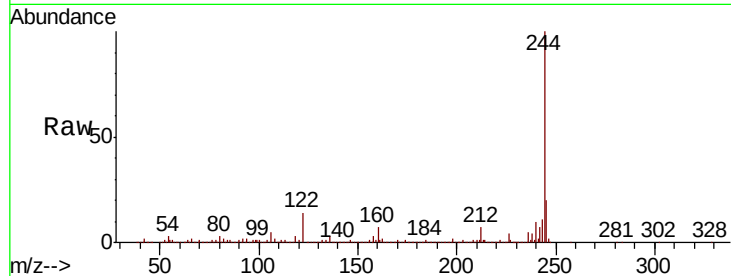
Tgt Ion:244 Resp: 1353585

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

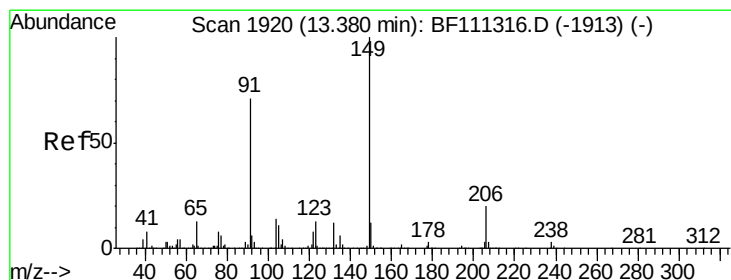
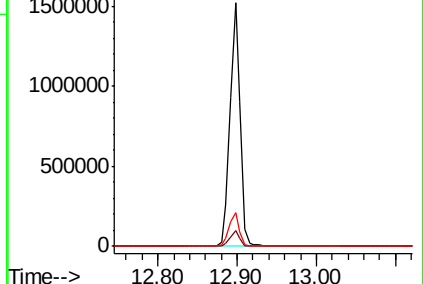
122 14.0 13.1 19.7



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



#80

Butylbenzylphthalate

Concen: 2.119 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

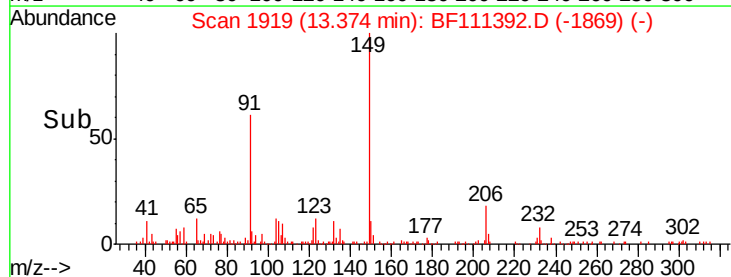
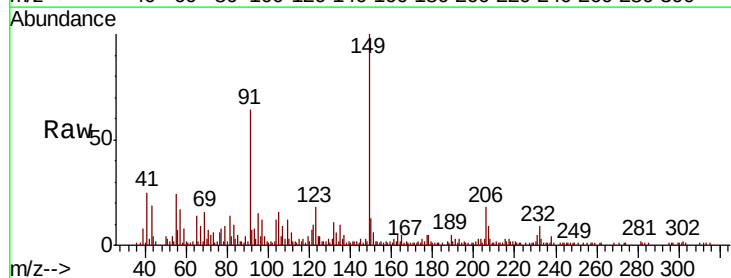
Tgt Ion:149 Resp: 38016

Ion Ratio Lower Upper

149 100

91 64.2 63.8 95.6

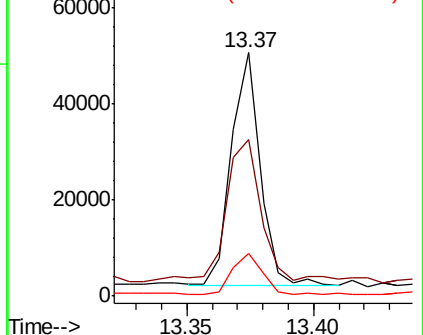
206 17.7 15.1 22.7

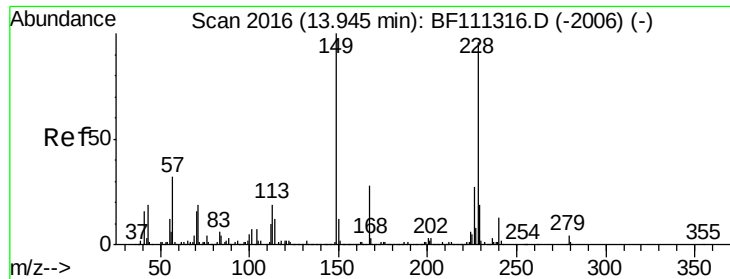


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

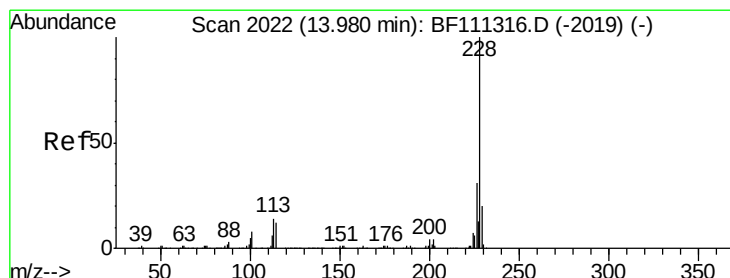
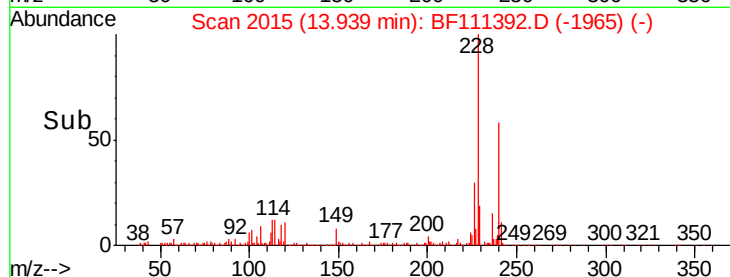
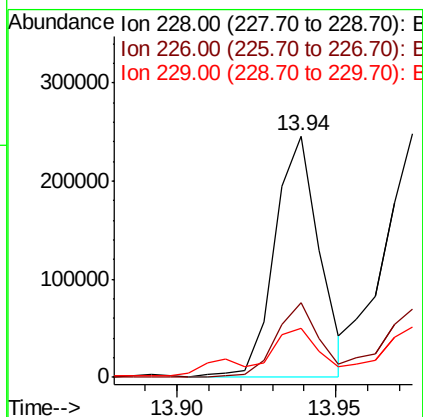
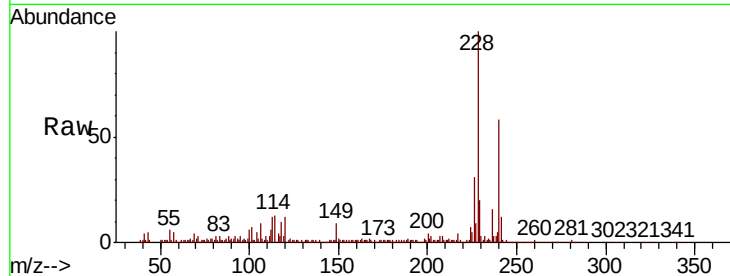




#81
Benzo(a)anthracene
Concen: 8.803 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

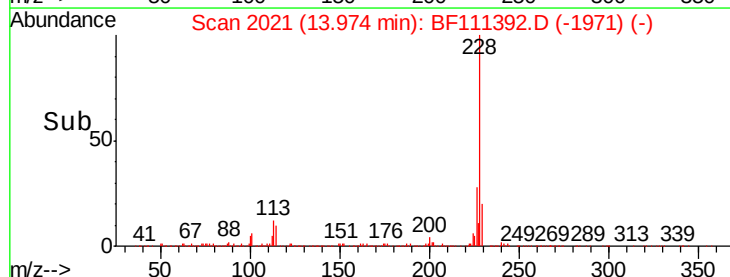
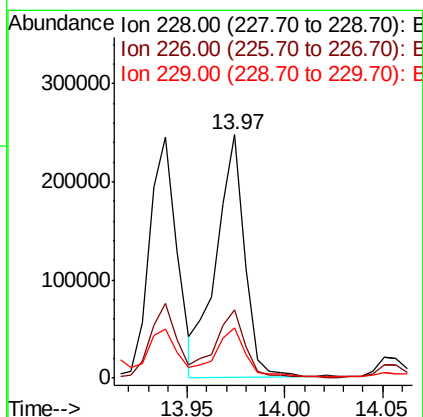
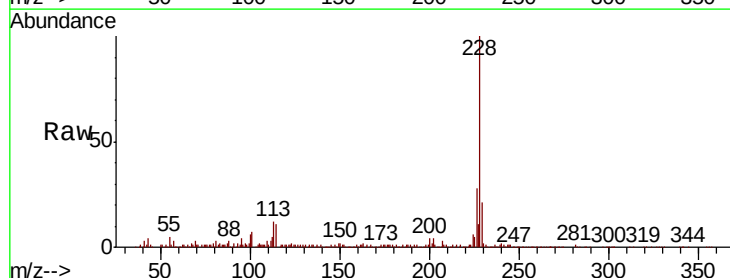
Instrument :
BNA_F
ClientSampleId :
TP-4

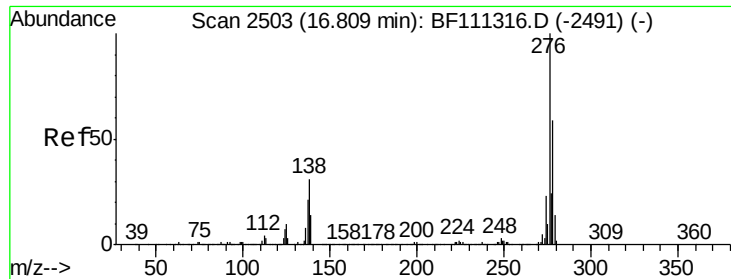
Tgt Ion:228 Resp: 238469
Ion Ratio Lower Upper
228 100
226 30.7 22.6 34.0
229 20.3 16.3 24.5



#83
Chrysene
Concen: 9.044 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion:228 Resp: 249974
Ion Ratio Lower Upper
228 100
226 27.8 25.3 37.9
229 20.5 17.2 25.8

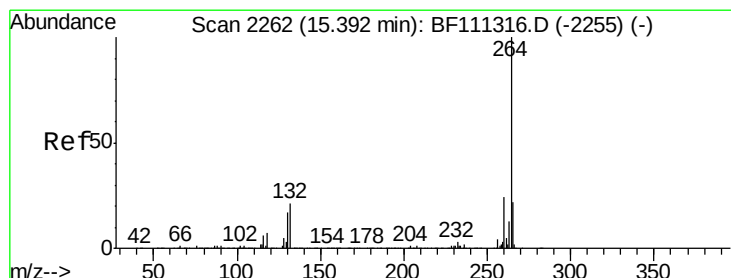
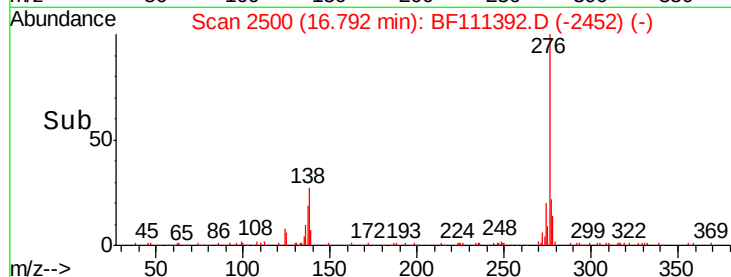
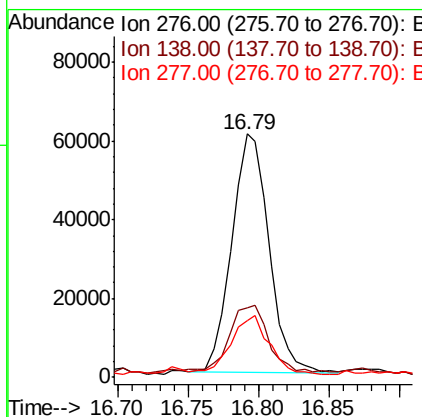
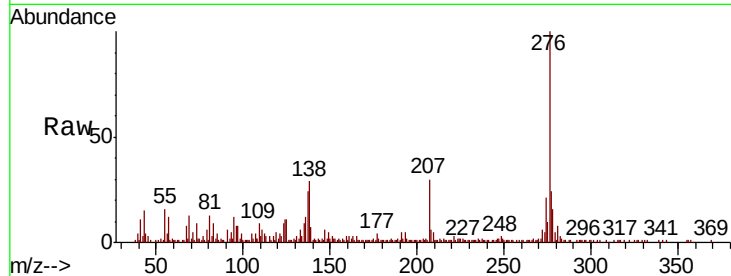




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.173 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.02 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

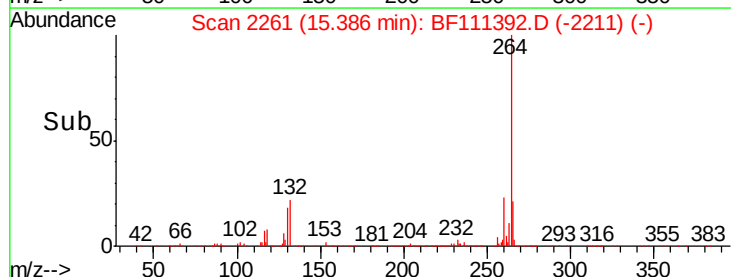
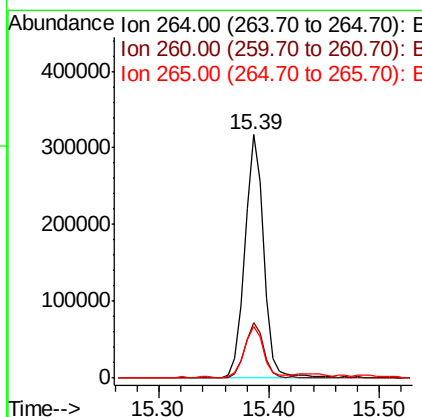
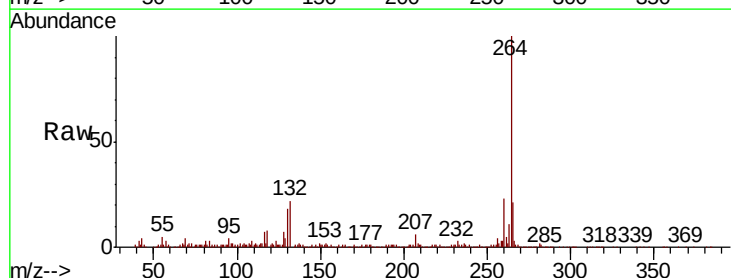
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

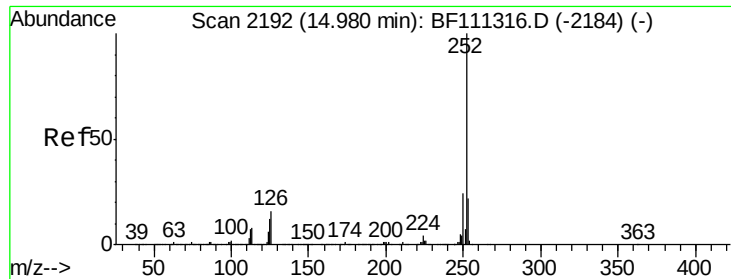
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.9	27.8	41.6
277	25.7	20.1	30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	21.4	17.7	26.5

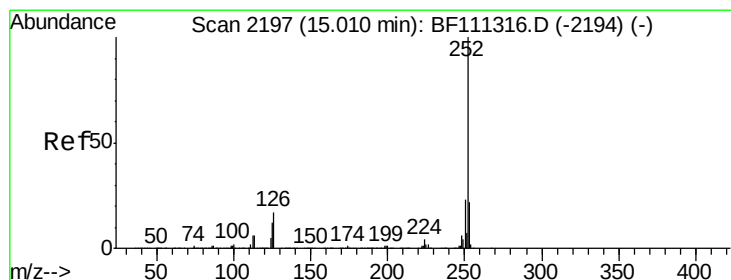
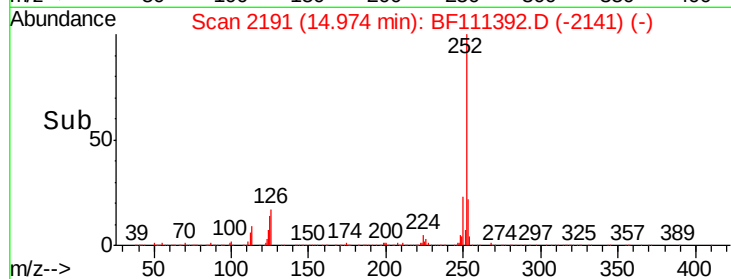
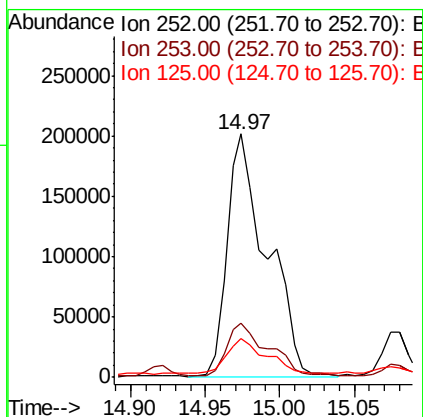
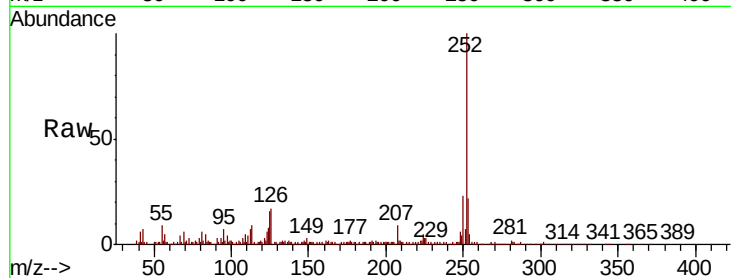




#88
Benzo(b)fluoranthene
Concen: 17.167 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

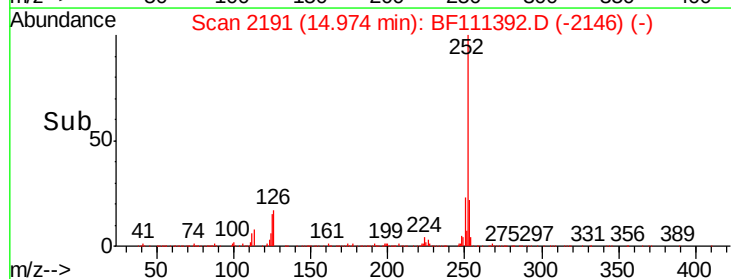
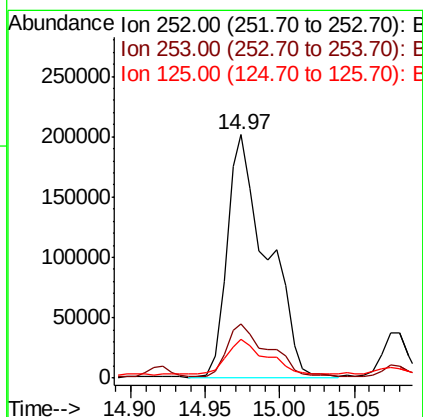
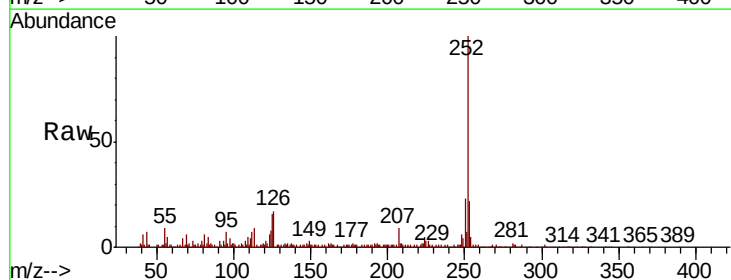
Instrument :
BNA_F
ClientSampled :
TP-4

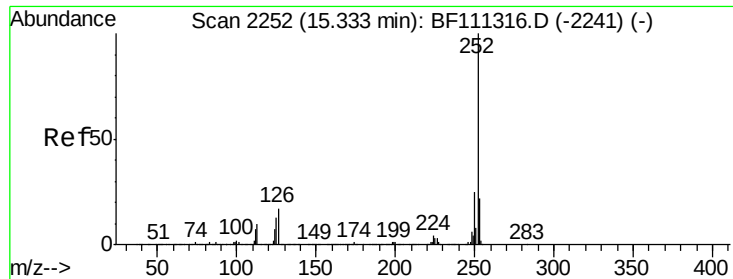
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	16.0	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 17.198 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	16.0	9.8	14.8

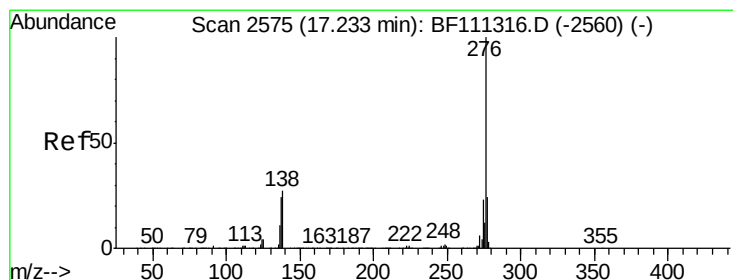
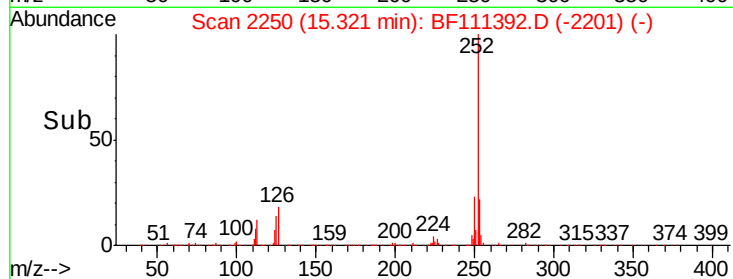
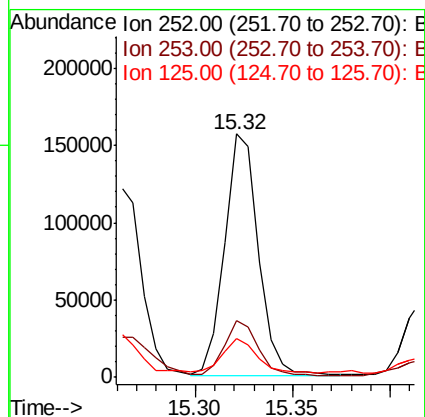
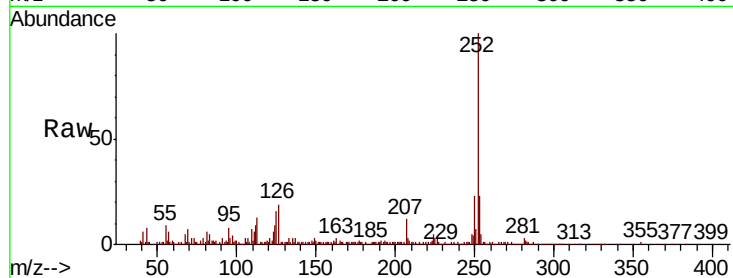




#90
Benzo(a)pyrene
Concen: 9.261 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 252 Resp: 187722
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 15.9 12.3 18.5



#92
Benzo(g,h,i)perylene
Concen: 6.734 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion: 276 Resp: 113549
Ion Ratio Lower Upper
276 100
277 24.6 19.2 28.8
138 29.4 24.9 37.3

