

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111391.D
 Acq On : 14 Dec 2018 1:05
 Operator : JU/SJ
 Sample : J6210-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Dec 14 03:45:43 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	302854	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1228636	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	509574	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	751916	20.00	ng	0.00
76) Chrysene-d12	13.95	240	521473	20.00	ng	0.00
87) Perylene-d12	15.39	264	412350	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1413692	78.94	ng	0.02
7) Phenol-d6	6.45	99	1792212	74.22	ng	0.01
23) Nitrobenzene-d5	7.36	82	1271003	58.31	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	321817	71.64	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1782725	56.17	ng	0.00
79) Terphenyl-d14	12.90	244	1207152	50.95	ng	0.00

Target Compounds

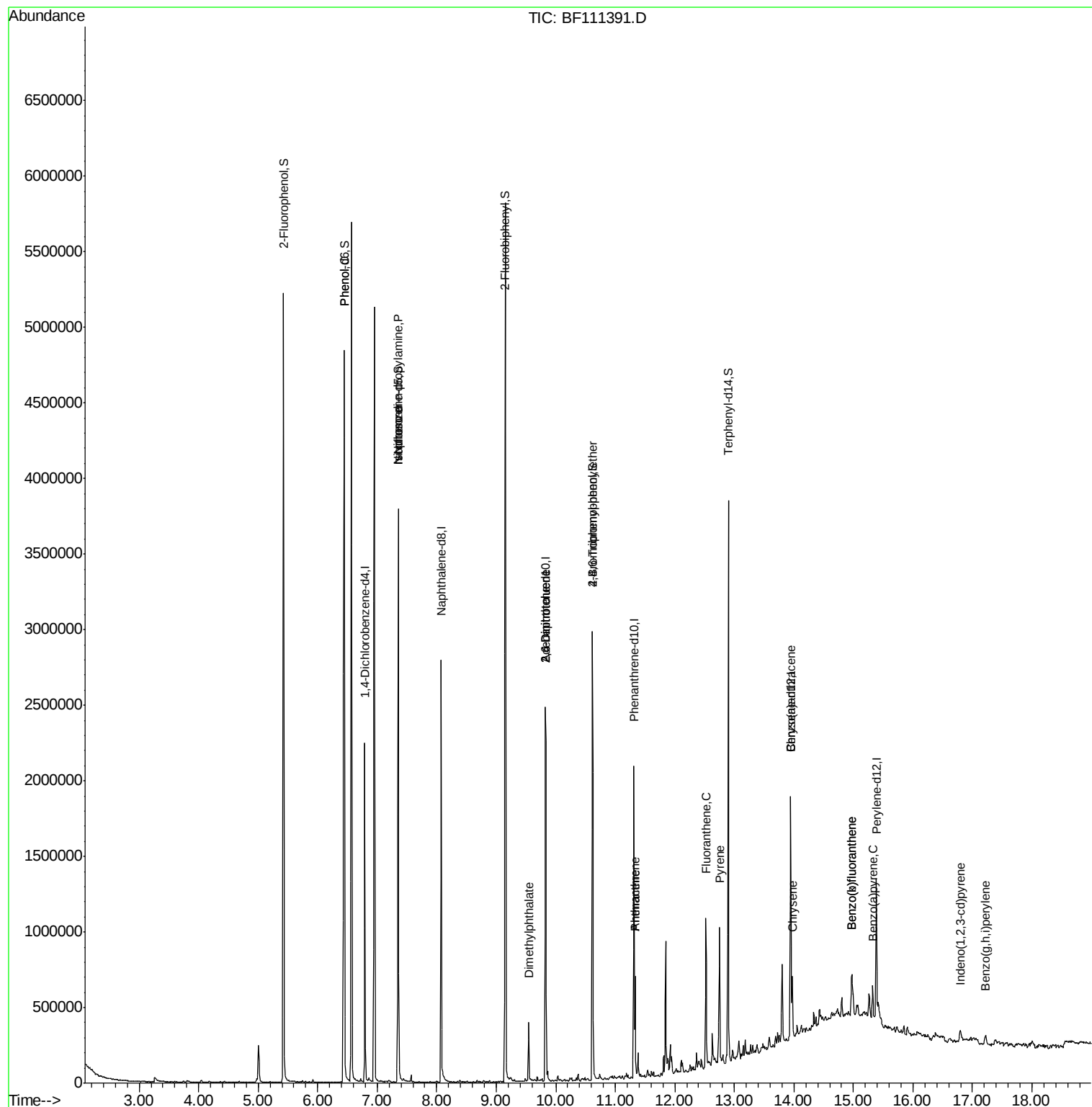
						Qvalue
9) Benzaldehyde	6.45	77	3648	Below Cal	#	1
10) Phenol	6.45	94	113416	4.146 ng		95
19) n-Nitroso-di-n-propylamine	7.36	70	165775	10.331 ng	#	73
25) Isophorone	7.36	82	1257076	33.950 ng	#	64
50) Dimethylphthalate	9.55	163	151971	4.147 ng		97
51) 2,6-Dinitrotoluene	9.83	165	65460	8.059 ng	#	29
57) 2,4-Dinitrotoluene	9.83	165	65847	6.325 ng	#	24
67) 4-Bromophenyl-phenylether	10.62	248	20726	2.476 ng	#	1
71) Phenanthrene	11.33	178	229398	5.902 ng		94
72) Anthracene	11.33	178	229398	5.797 ng		96
75) Fluoranthene	12.52	202	381730	10.061 ng		98
78) Pyrene	12.75	202	355719	8.839 ng		94
81) Benzo(a)anthracene	13.94	228	159551	5.468 ng		97
83) Chrysene	13.97	228	159444	5.356 ng		95
86) Indeno(1,2,3-cd)pyrene	16.79	276	51682	2.220 ng	#	91
88) Benzo(b)fluoranthene	14.97	252	199693	8.517 ng		98
89) Benzo(k)fluoranthene	14.97	252	199693	8.532 ng	#	97
90) Benzo(a)pyrene	15.32	252	107422	4.920 ng		98
92) Benzo(g,h,i)perylene	17.22	276	49178	2.708 ng		98

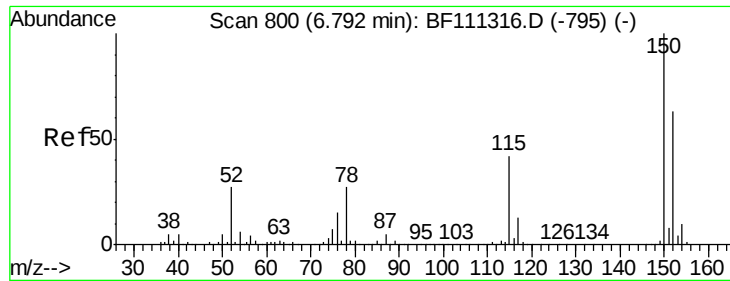
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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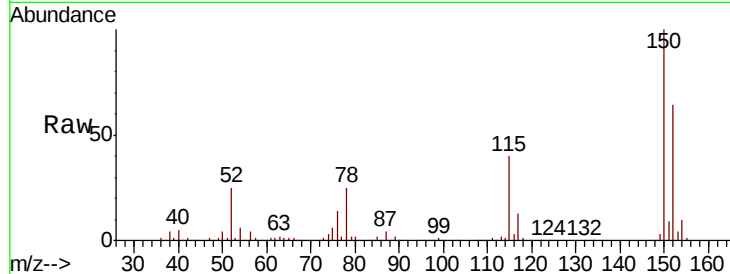


#1

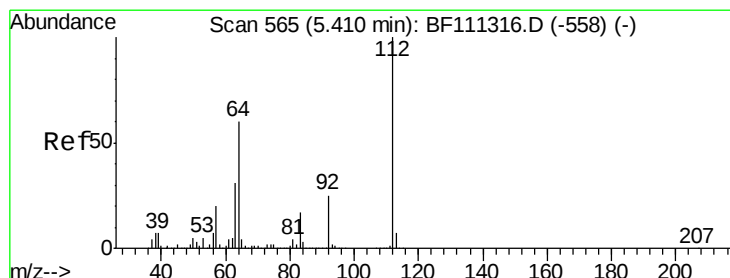
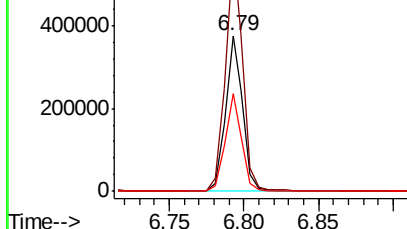
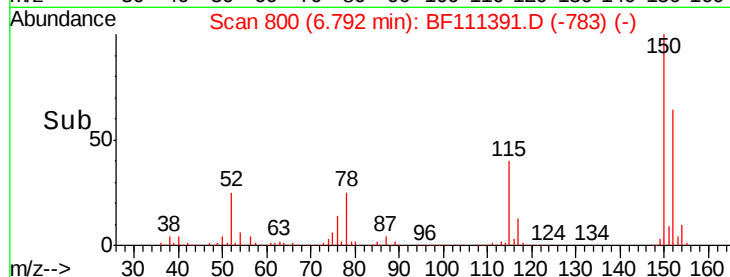
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 302854
Ion Ratio Lower Upper
152 100
150 156.8 126.6 189.8
115 62.8 50.7 76.1



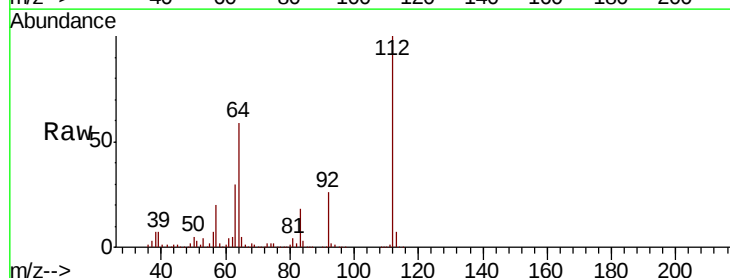
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



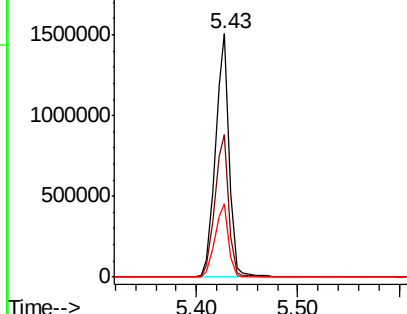
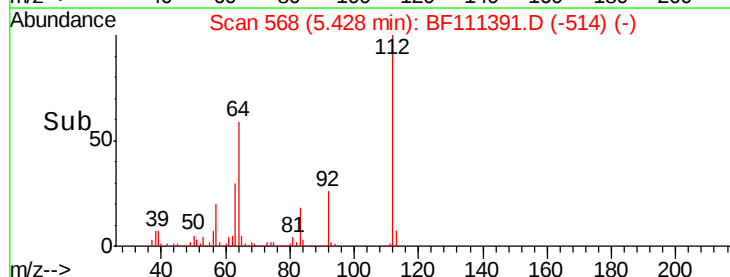
#5

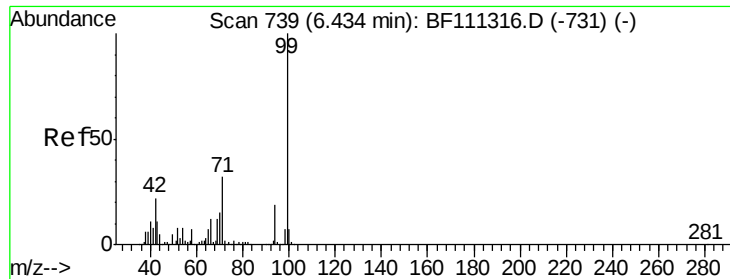
2-Fluorophenol
Concen: 78.936 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion:112 Resp: 1413692
Ion Ratio Lower Upper
112 100
64 58.6 51.8 77.6
63 30.4 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: 74.222 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

ClientSampleId :

TP-3

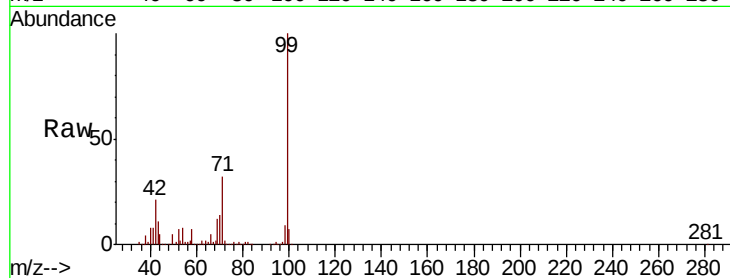
Tgt Ion: 99 Resp: 1792212

Ion Ratio Lower Upper

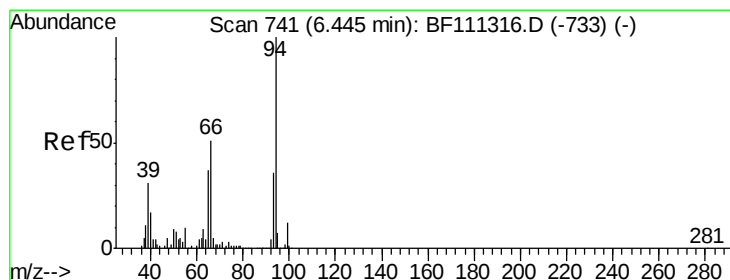
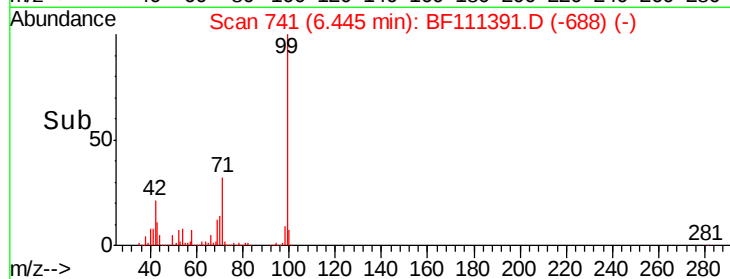
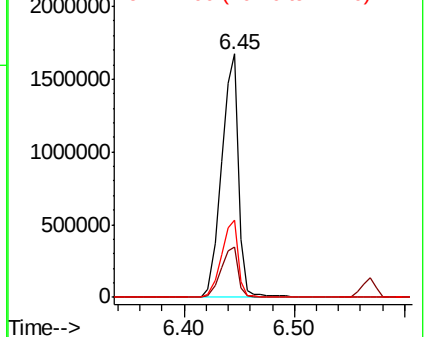
99 100

42 20.5 17.4 26.0

71 31.5 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: 4.146 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

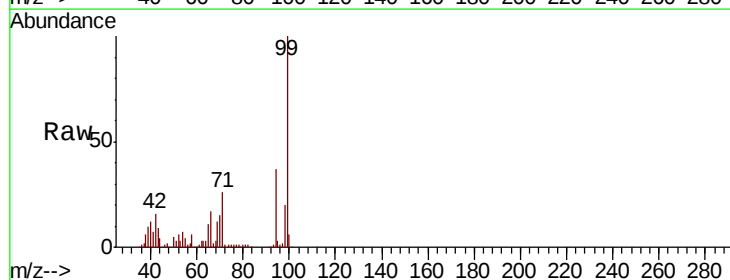
Tgt Ion: 94 Resp: 113416

Ion Ratio Lower Upper

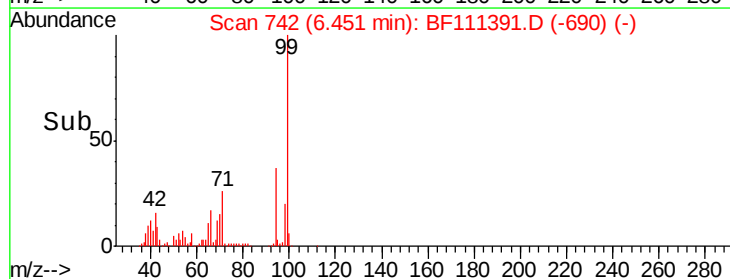
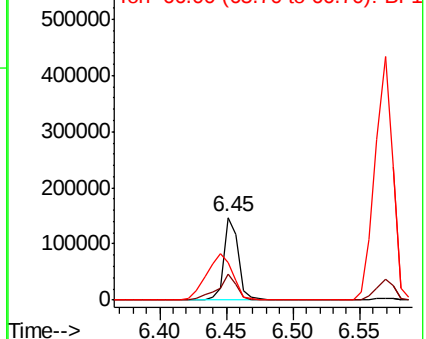
94 100

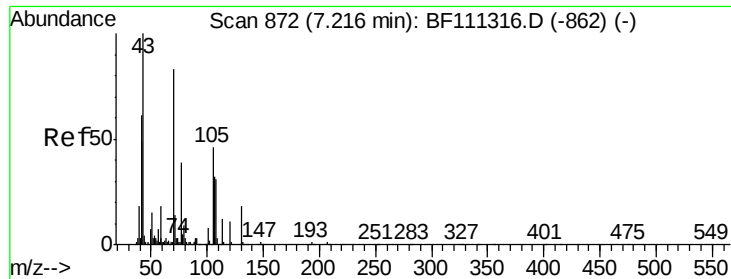
65 31.3 11.7 51.7

66 45.7 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

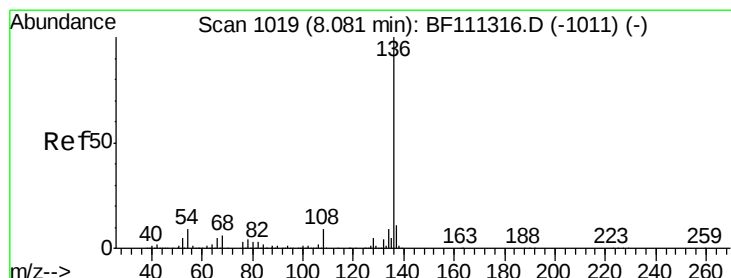
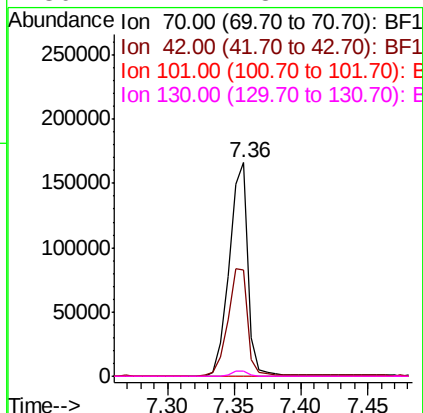
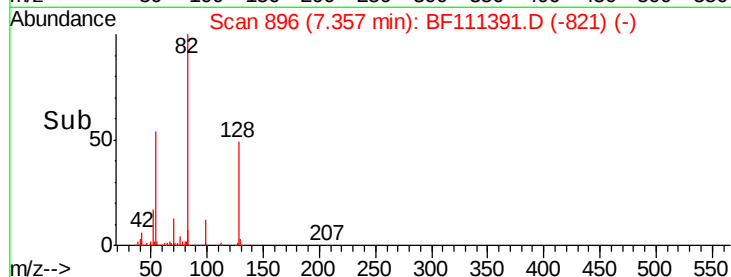
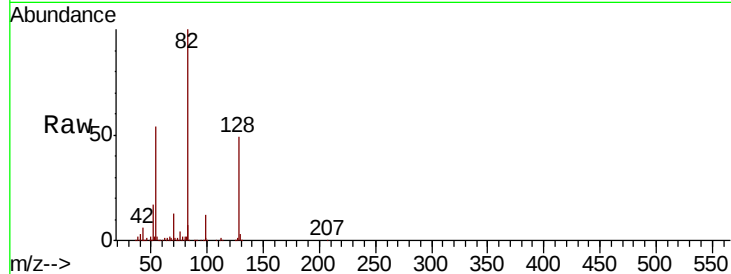




#19
n-Nitroso-di-n-propylamine
Concen: 10.331 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

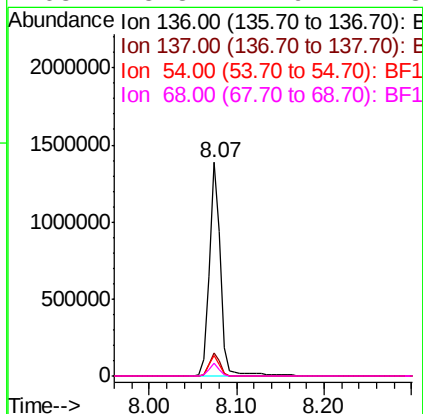
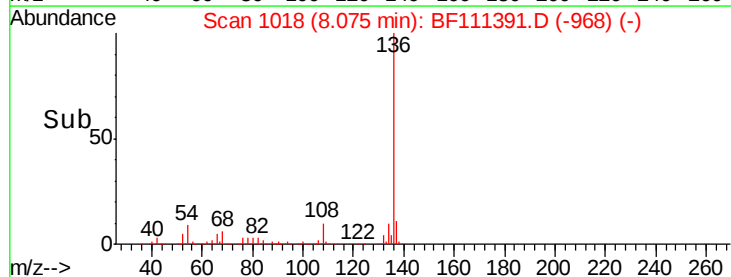
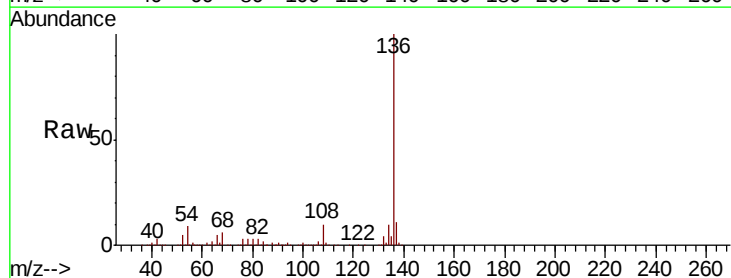
Instrument :
BNA_F
ClientSampled :
TP-3

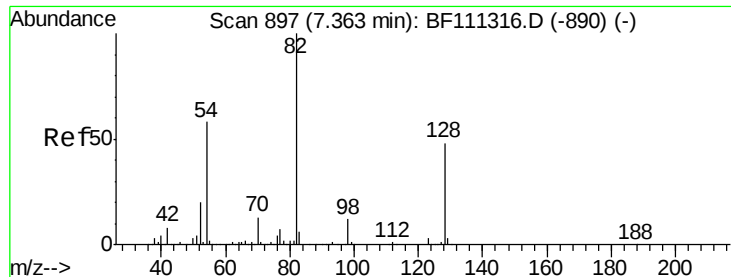
Tgt Ion: 70 Resp: 165775
Ion Ratio Lower Upper
70 100
42 49.5 53.2 79.8#
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion: 136 Resp: 1228636
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 9.4 7.7 11.5
68 5.8 4.9 7.3

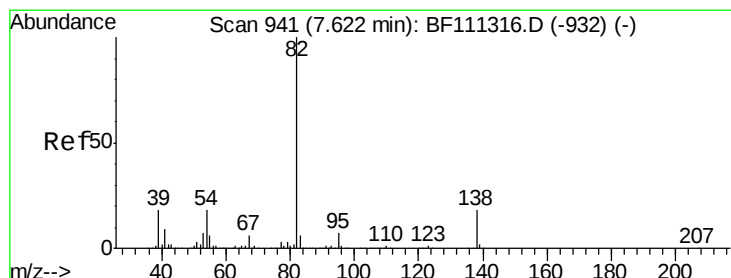
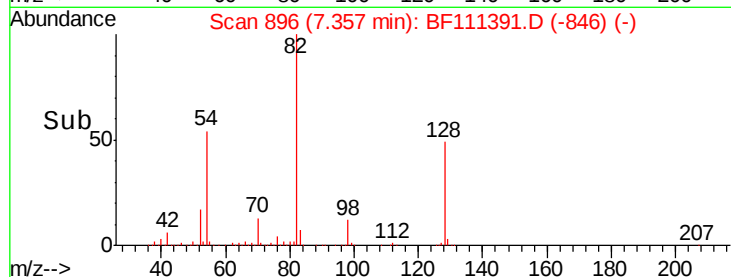
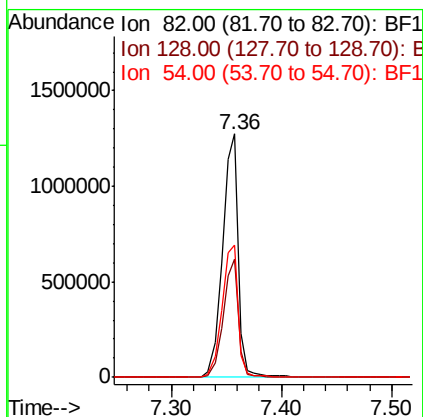
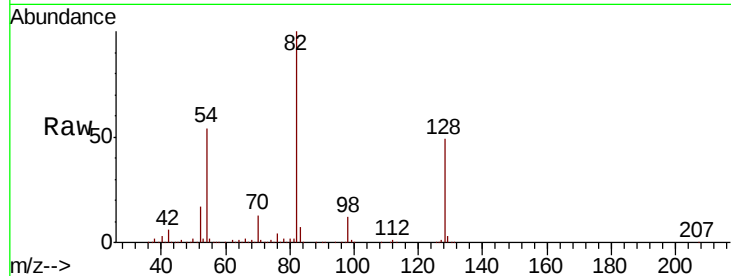




#23
 Nitrobenzene-d5
 Concen: 58.307 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF111391.D
 Acq: 14 Dec 2018 1:05

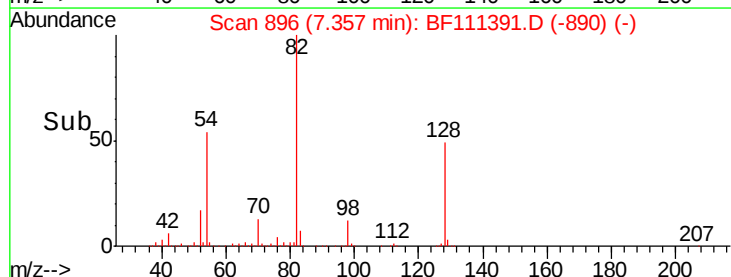
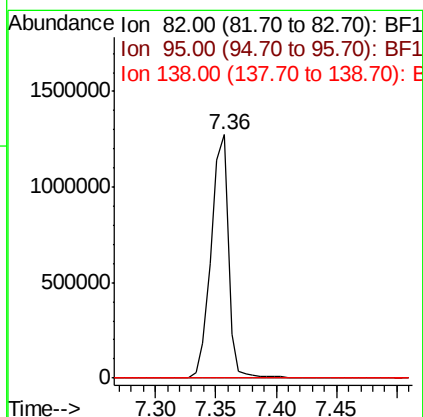
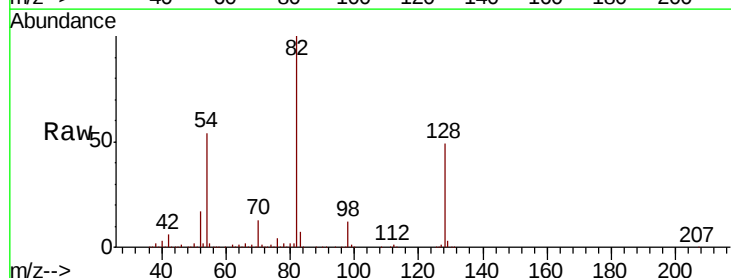
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

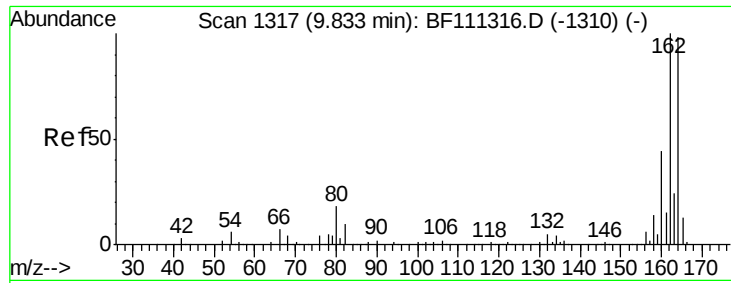
Tgt Ion: 82 Resp: 1271003
 Ion Ratio Lower Upper
 82 100
 128 48.5 37.4 56.2
 54 54.5 47.6 71.4



#25
 Isophorone
 Concen: 33.950 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF111391.D
 Acq: 14 Dec 2018 1:05

Tgt Ion: 82 Resp: 1257076
 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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

ClientSampleId :

TP-3

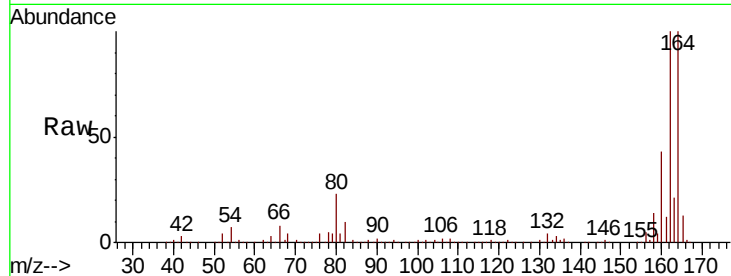
Tgt Ion:164 Resp: 509574

Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.0

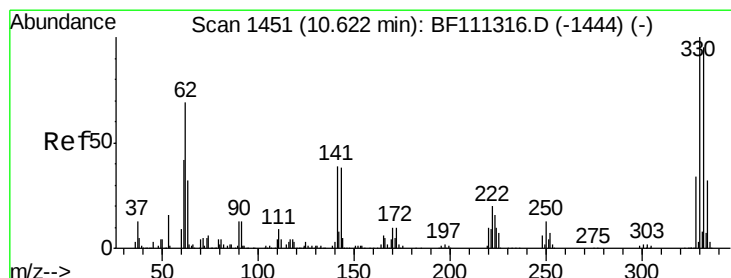
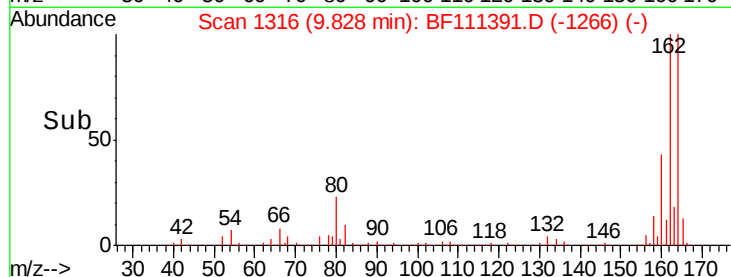
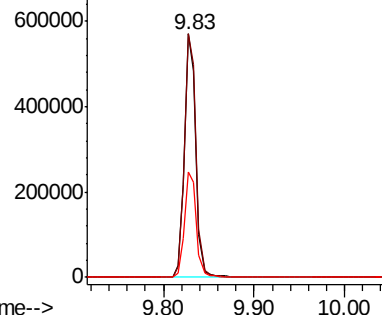
160 43.3 35.7 53.5



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: 71.643 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

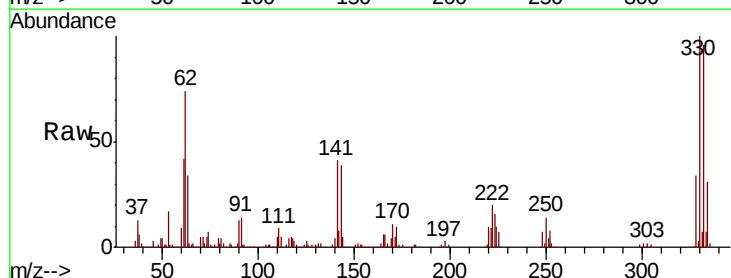
Tgt Ion:330 Resp: 321817

Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

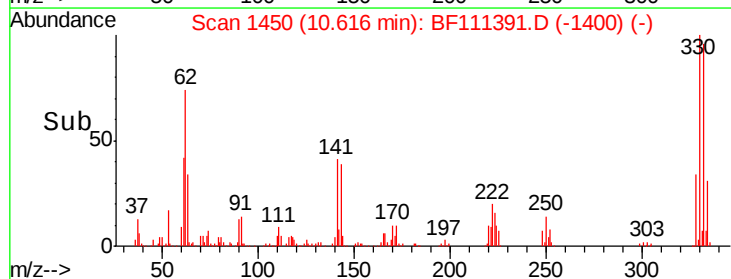
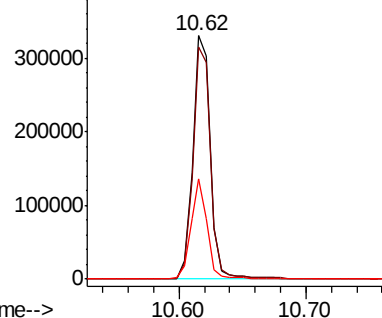
141 38.4 31.0 46.6

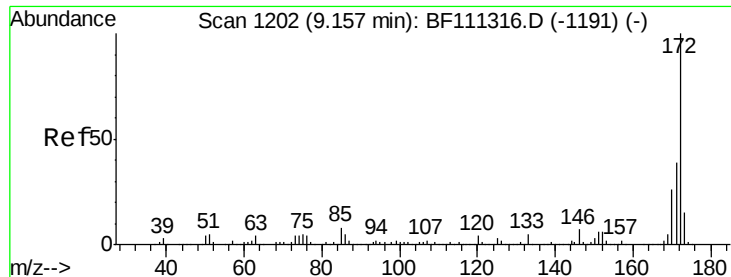


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

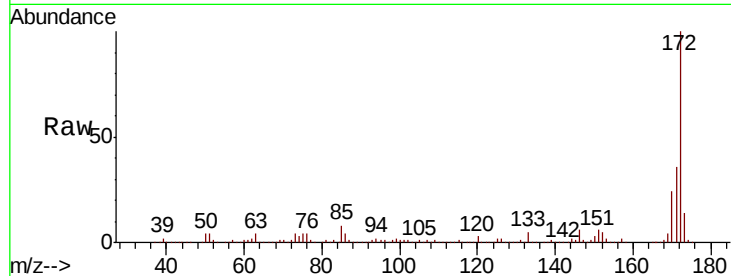




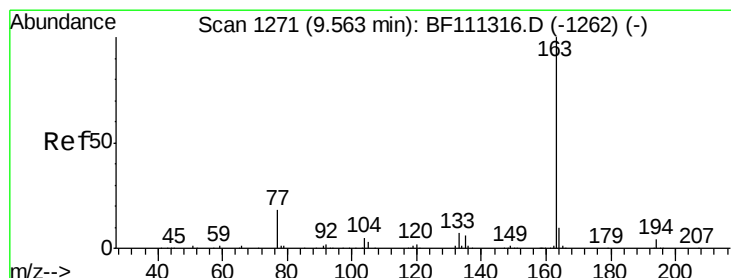
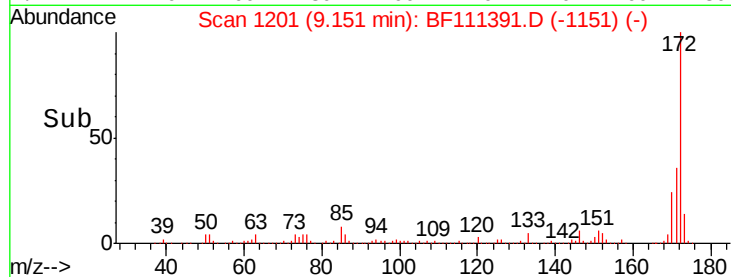
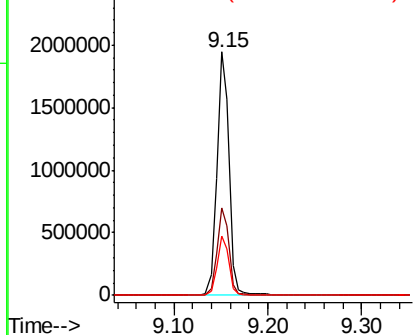
#45
 2-Fluorobiphenyl
 Concen: 56.167 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111391.D
 Acq: 14 Dec 2018 1:05

Instrument :
 BNA_F
 ClientSampled :
 TP-3

Tgt Ion:172 Resp: 1782725
 Ion Ratio Lower Upper
 172 100
 171 35.8 33.0 49.4
 170 24.3 22.3 33.5

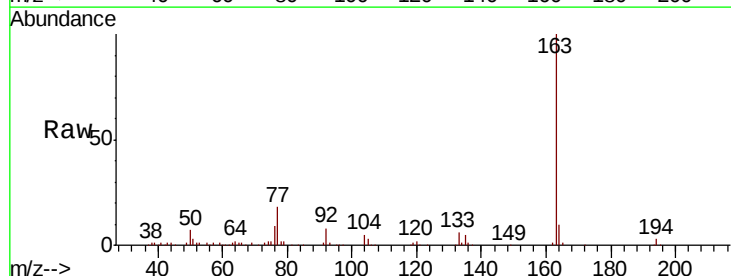


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

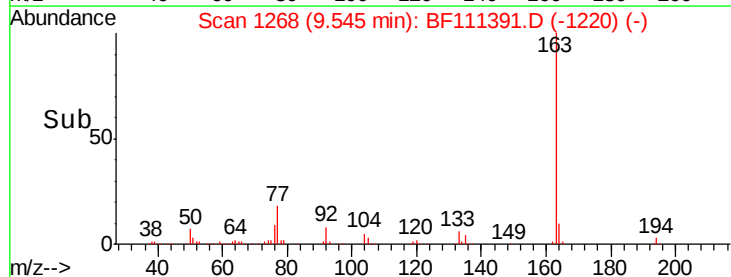
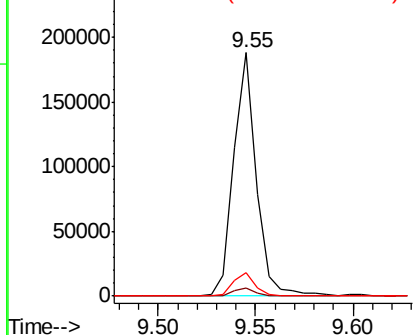


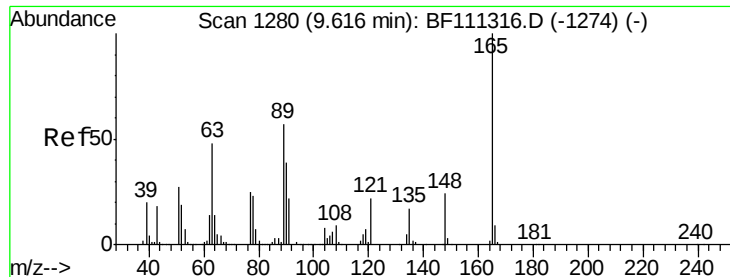
#50
 Dimethylphthalate
 Concen: 4.147 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF111391.D
 Acq: 14 Dec 2018 1:05

Tgt Ion:163 Resp: 151971
 Ion Ratio Lower Upper
 163 100
 194 3.2 3.0 4.6
 164 9.6 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

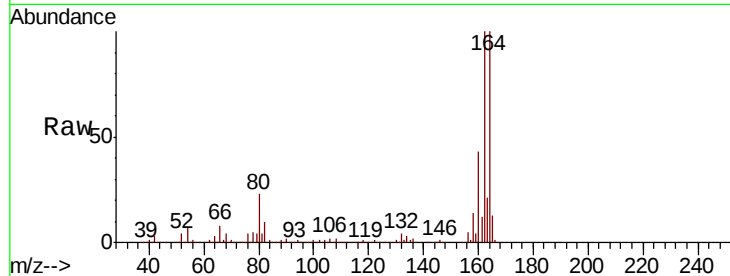




#51
2,6-Dinitrotoluene
Concen: 8.059 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.21 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

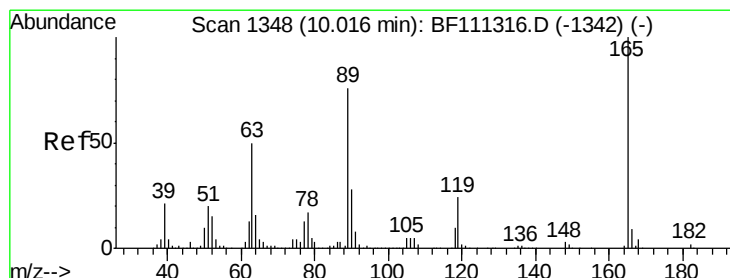
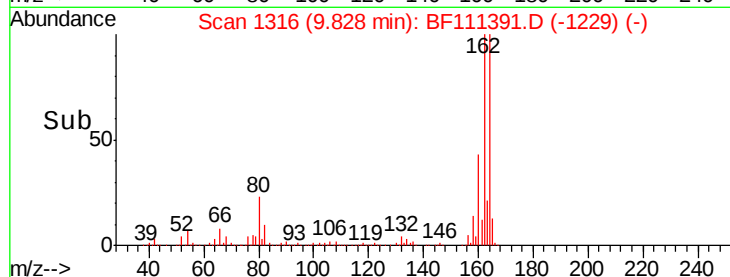
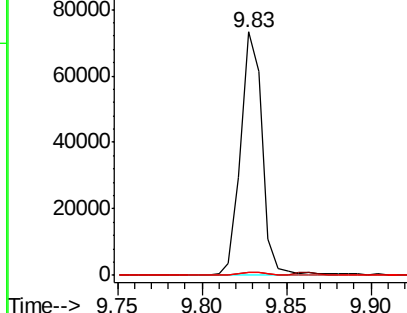
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.5	60.7#
89	1.1	40.0	60.0#



Abundance Ion 165.00 (164.70 to 165.70): E

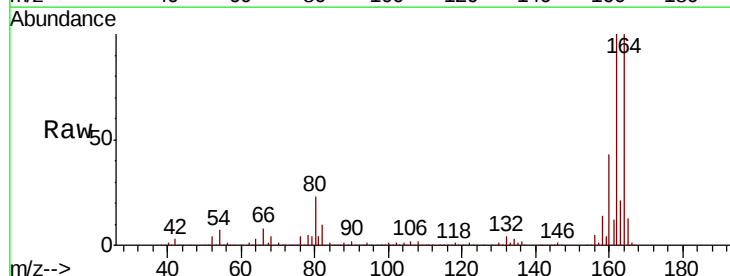
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.325 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.6	52.0#
89	1.1	56.2	84.4#
182	0.0	1.8	2.6#

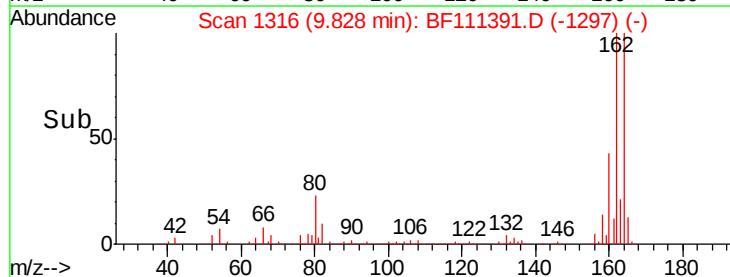
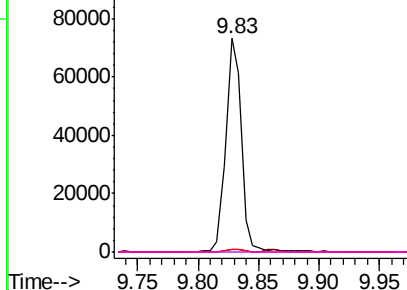


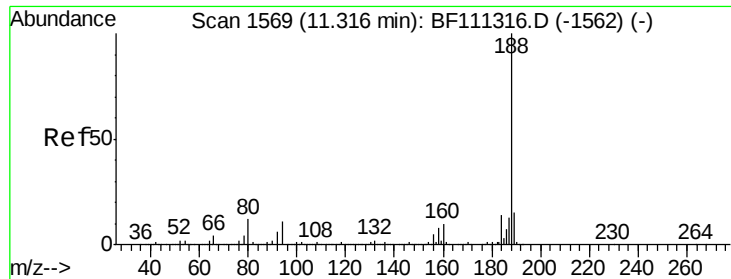
Abundance Ion 165.00 (164.70 to 165.70): E

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

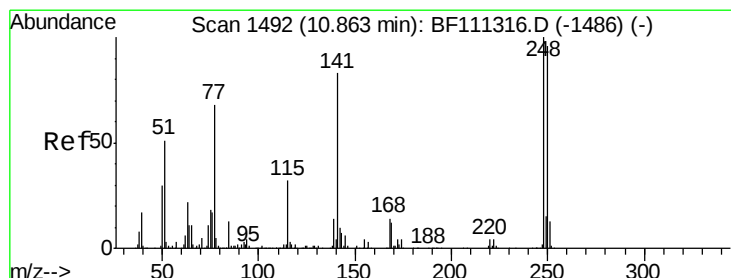
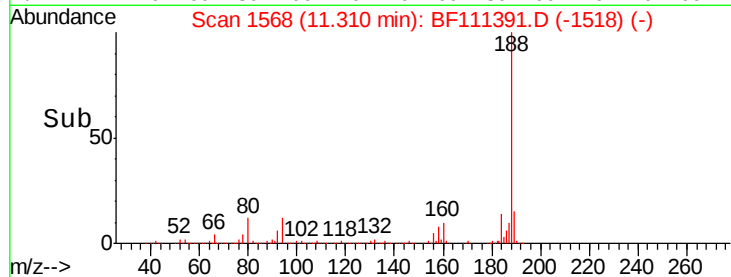
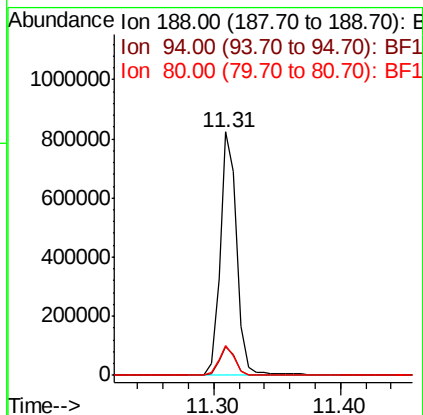
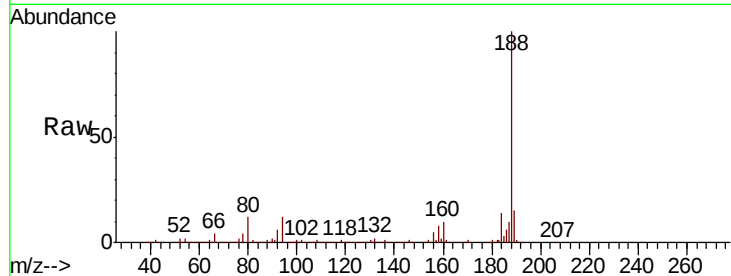




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

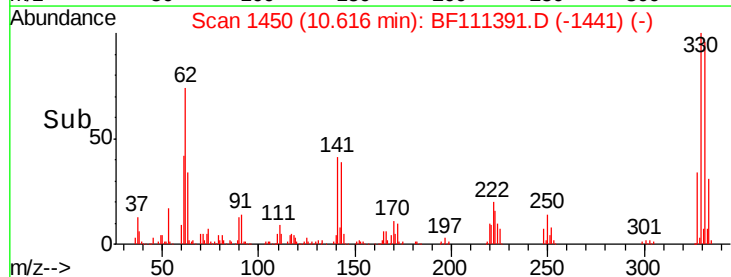
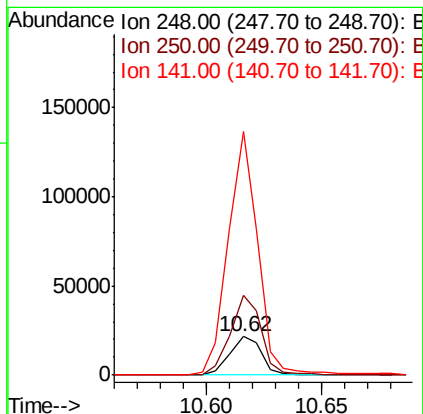
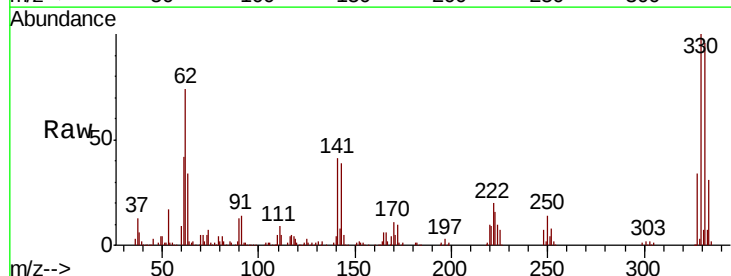
Instrument :
BNA_F
ClientSampleId :
TP-3

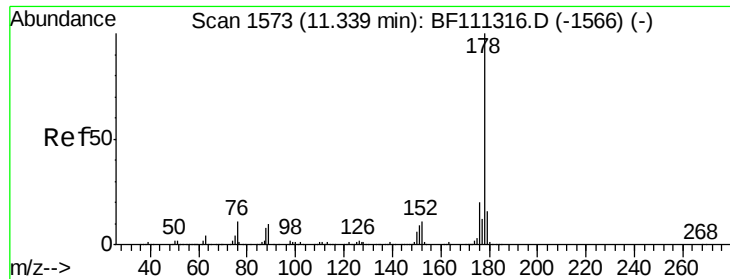
Tgt Ion:188 Resp: 751916
Ion Ratio Lower Upper
188 100
94 11.8 9.6 14.4
80 12.5 9.8 14.6



#67
4-Bromophenyl-phenylether
Concen: 2.476 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion:248 Resp: 20726
Ion Ratio Lower Upper
248 100
250 209.4 77.0 115.4#
141 634.9 63.0 94.6#

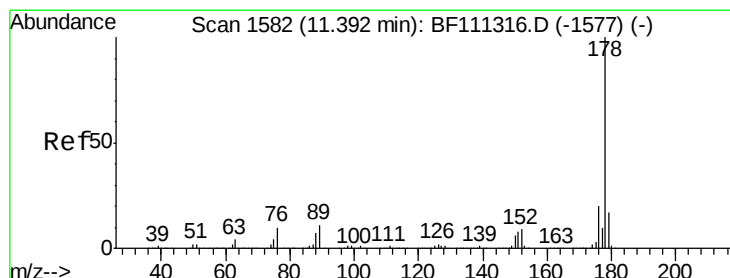
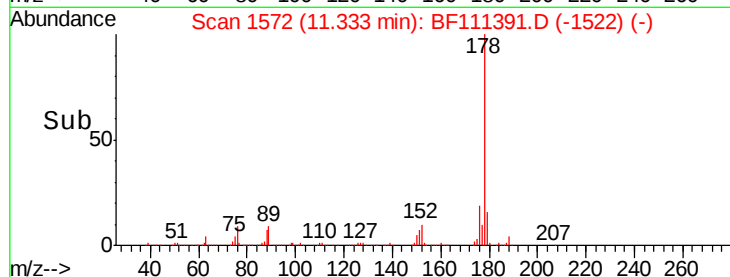
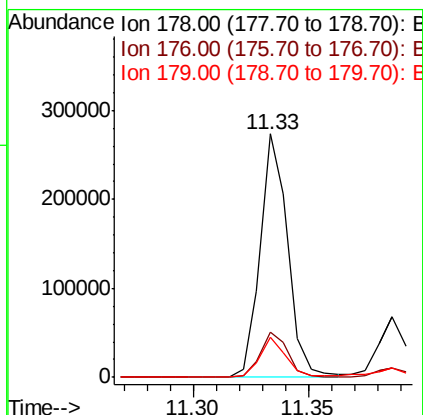
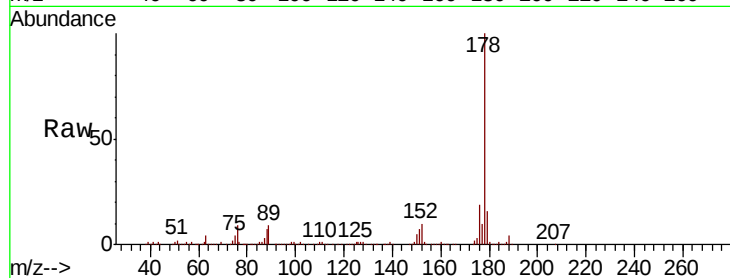




#71
Phenanthrene
Concen: 5.902 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

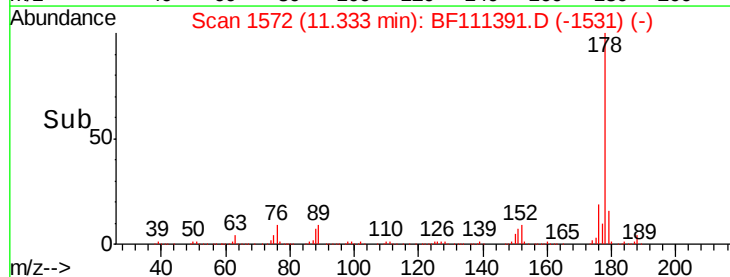
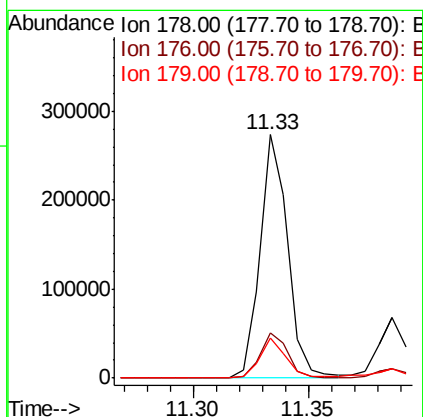
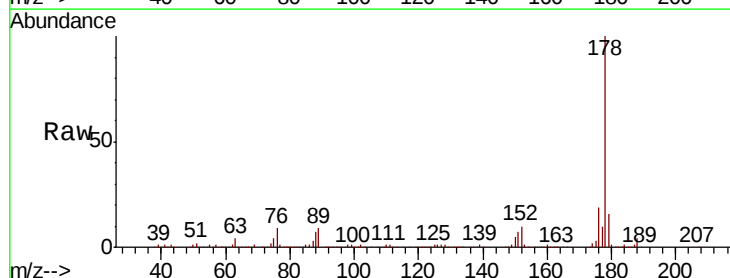
Instrument :
BNA_F
ClientSampleId :
TP-3

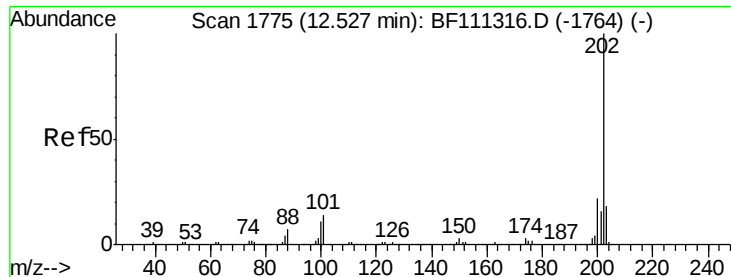
Tgt Ion:178 Resp: 229398
Ion Ratio Lower Upper
178 100
176 18.6 18.1 27.1
179 16.3 14.0 21.0



#72
Anthracene
Concen: 5.797 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.06 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion:178 Resp: 229398
Ion Ratio Lower Upper
178 100
176 18.6 17.2 25.8
179 16.3 13.8 20.8





#75

Fluoranthene

Concen: 10.061 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

ClientSampleId :

TP-3

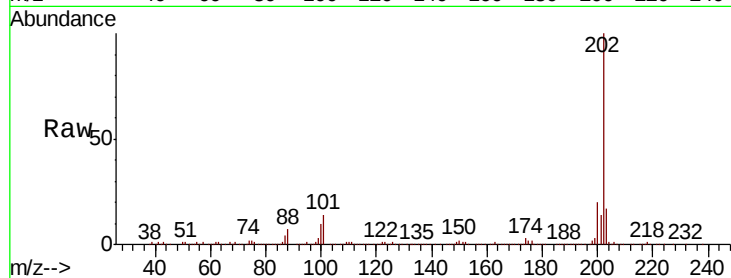
Tgt Ion:202 Resp: 381730

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.8

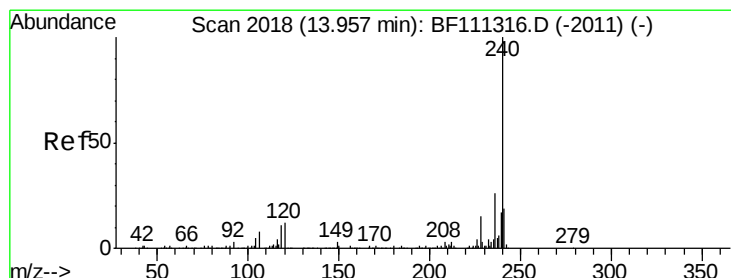
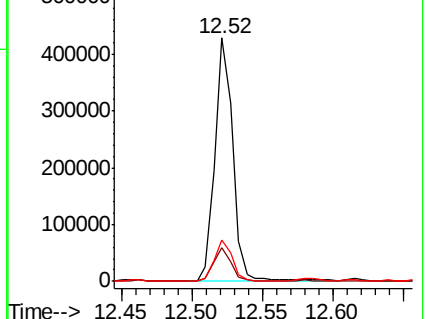
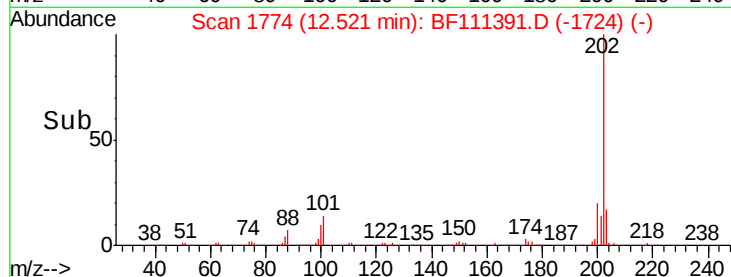
203 17.2 0.0 38.6



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: BF111391.D

Acq: 14 Dec 2018 1:05

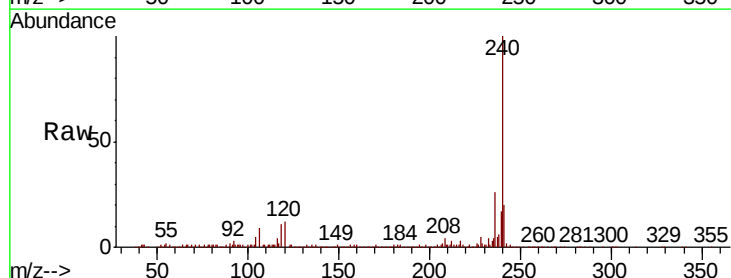
Tgt Ion:240 Resp: 521473

Ion Ratio Lower Upper

240 100

120 12.5 12.2 18.2

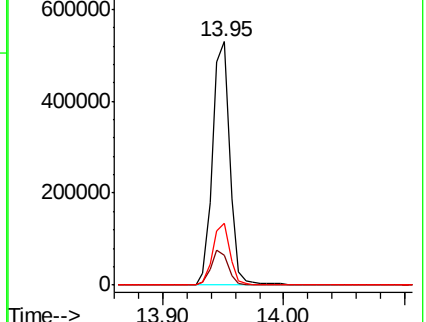
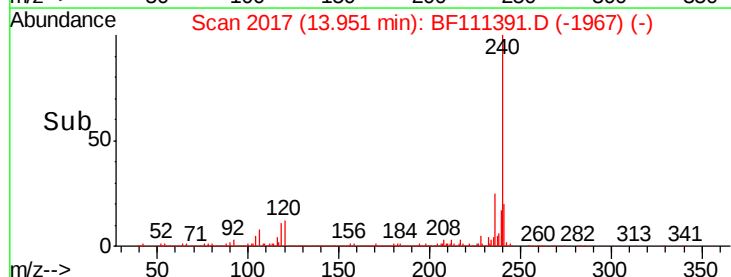
236 25.5 20.2 30.2

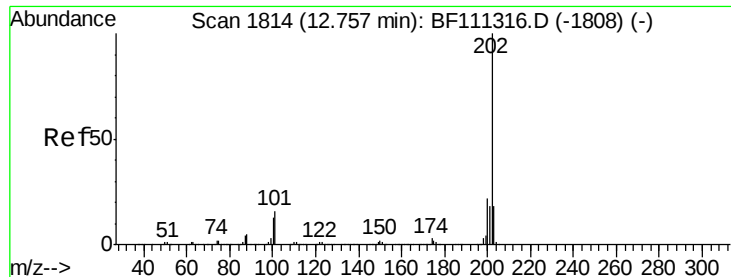


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

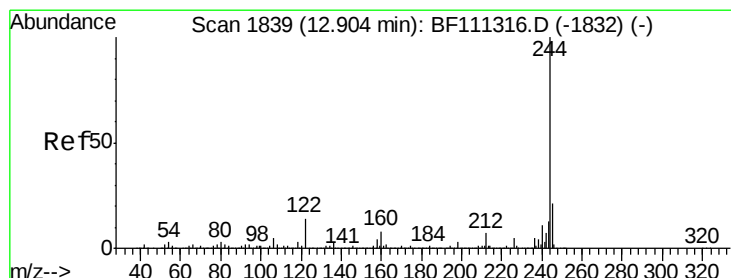
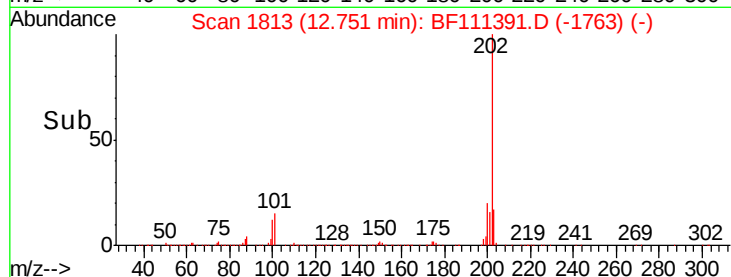
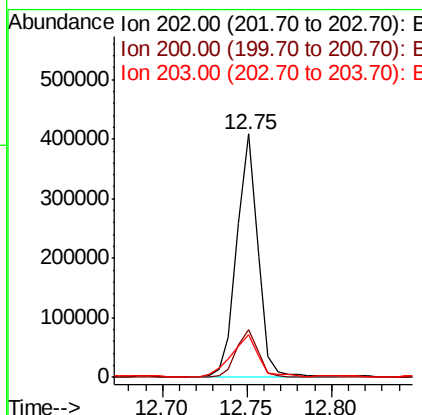
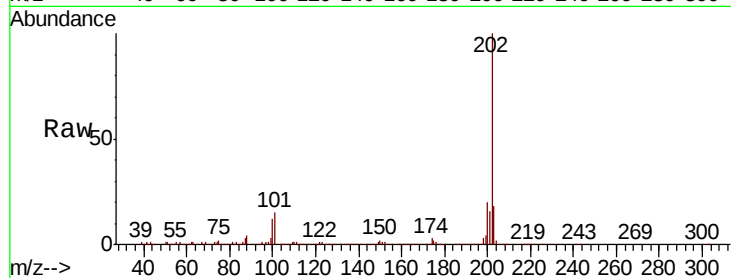




#78
Pyrene
Concen: 8.839 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

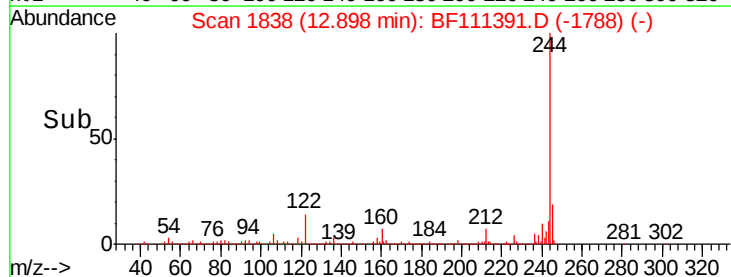
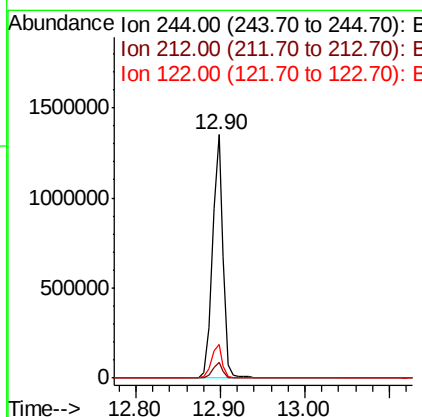
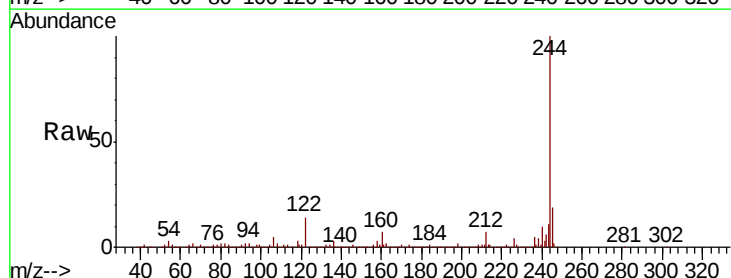
Instrument :
BNA_F
ClientSampled :
TP-3

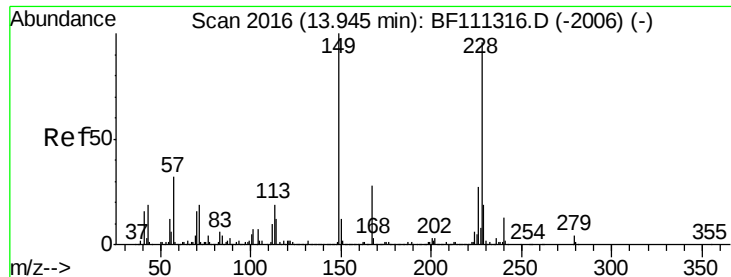
Tgt Ion:202 Resp: 355719
Ion Ratio Lower Upper
202 100
200 19.7 19.0 28.4
203 17.6 15.2 22.8



#79
Terphenyl-d14
Concen: 50.949 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion:244 Resp: 1207152
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 14.0 13.1 19.7

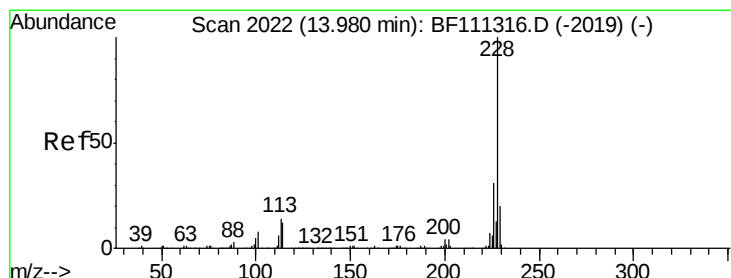
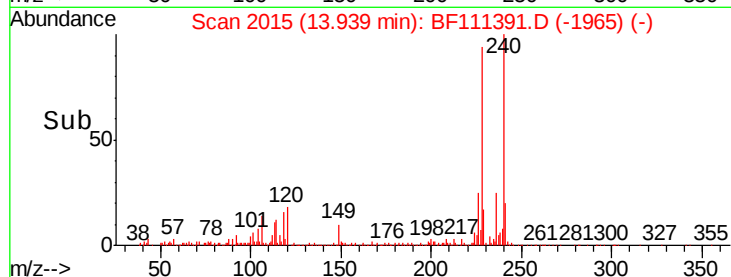
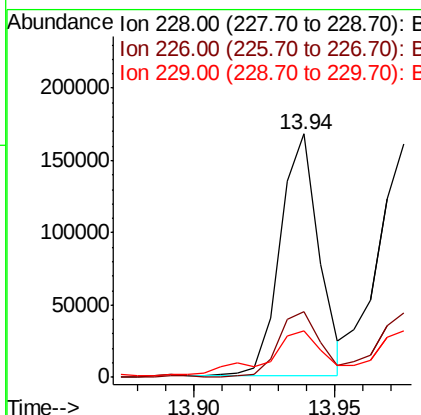
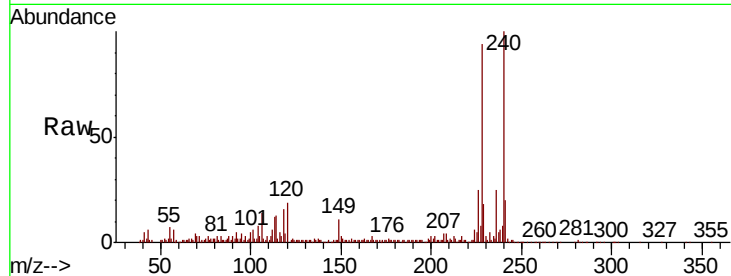




#81
Benzo(a)anthracene
Concen: 5.468 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

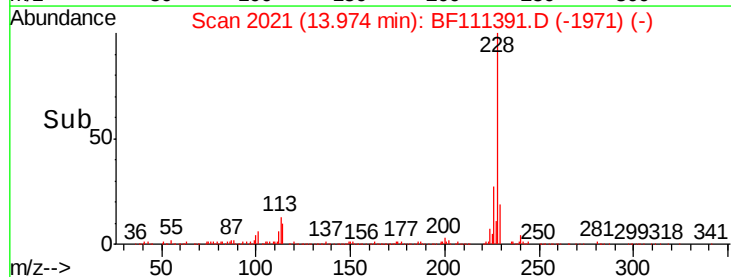
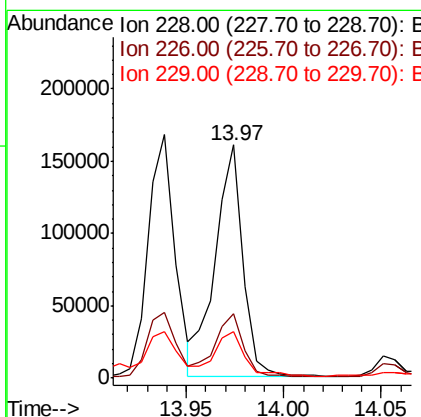
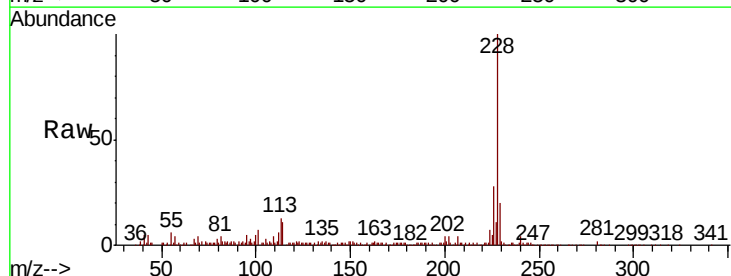
Instrument :
BNA_F
ClientSampleId :
TP-3

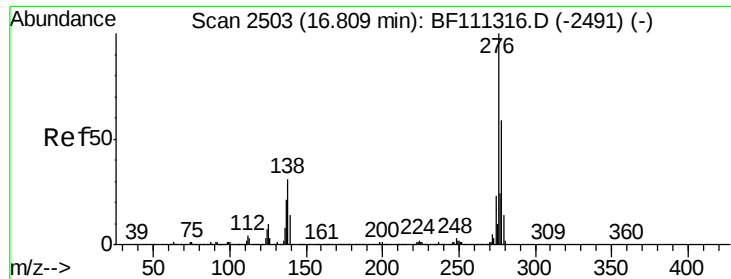
Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	34.0
229	19.3	16.3	24.5



#83
Chrysene
Concen: 5.356 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	25.3	37.9
229	20.1	17.2	25.8

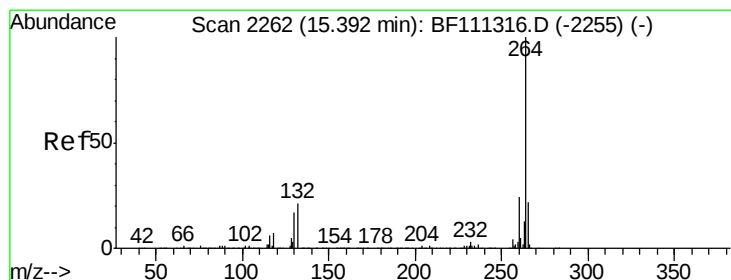
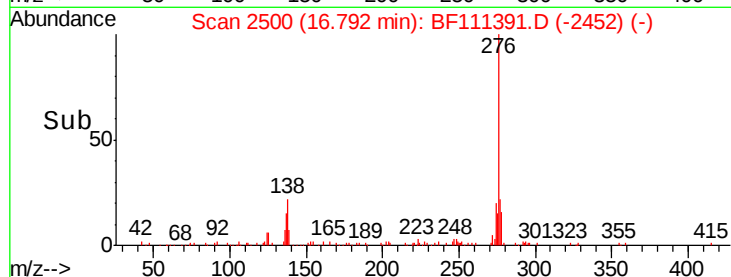
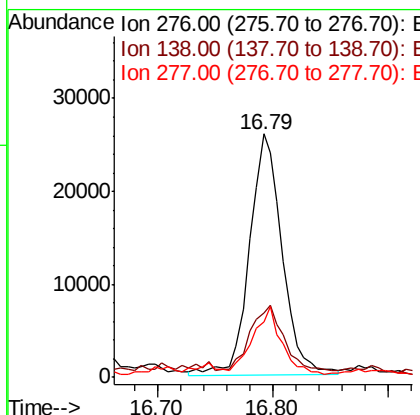
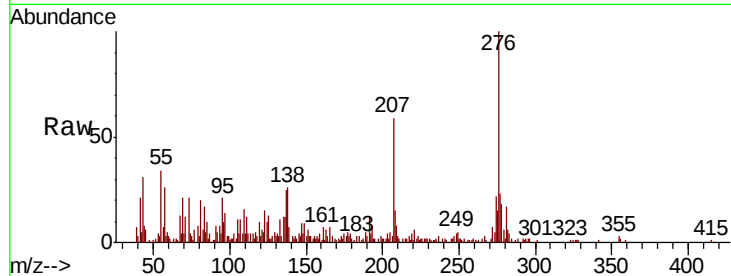




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.220 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. -0.02 min
 Lab File: BF111391.D
 Acq: 14 Dec 2018 1:05

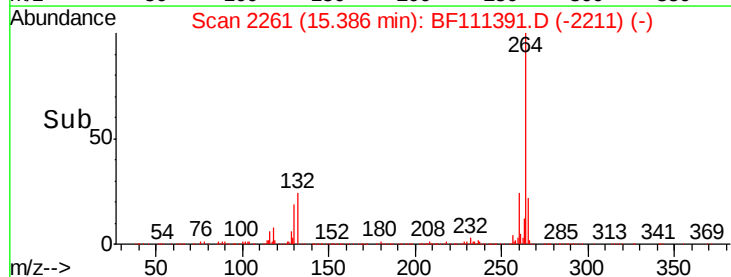
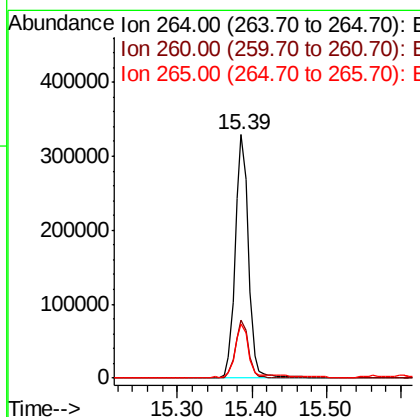
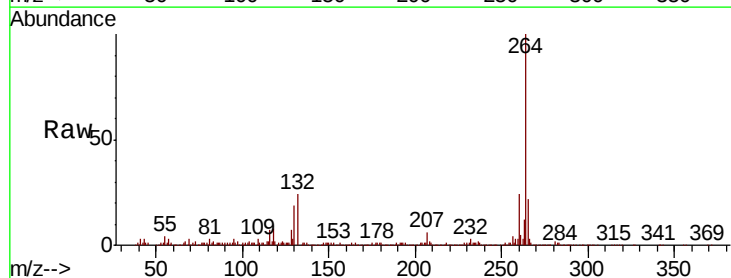
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

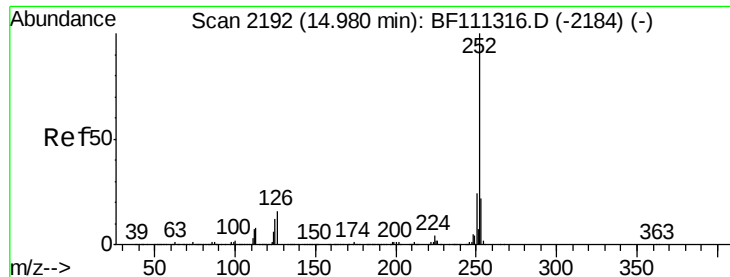
Tgt Ion: 276 Resp: 51682
 Ion Ratio Lower Upper
 276 100
 138 26.9 27.8 41.6#
 277 24.0 20.1 30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.39 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BF111391.D
 Acq: 14 Dec 2018 1:05

Tgt Ion: 264 Resp: 412350
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.3 27.5
 265 22.1 17.7 26.5

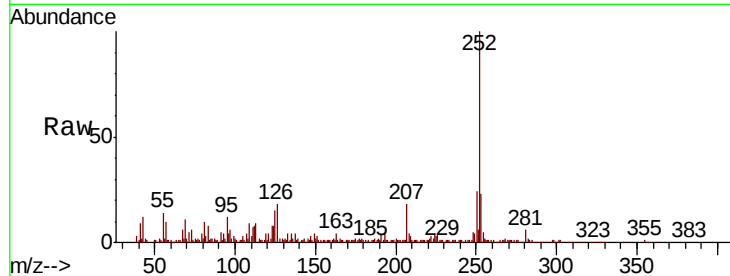




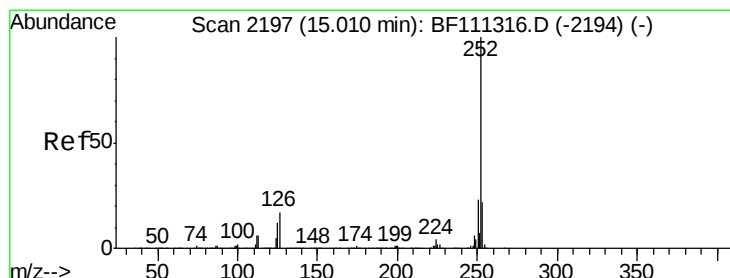
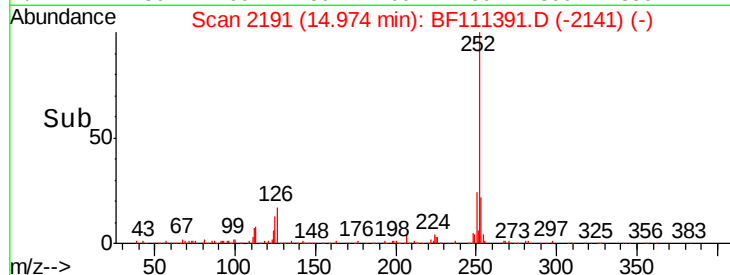
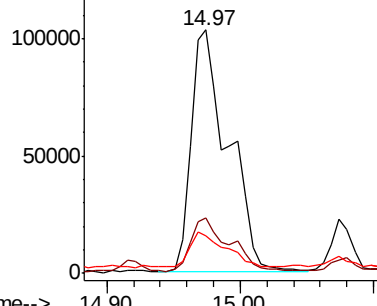
#88
Benzo(b)fluoranthene
Concen: 8.517 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	15.2	10.4	15.6

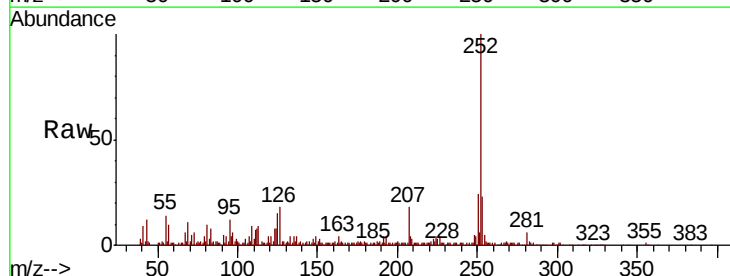


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

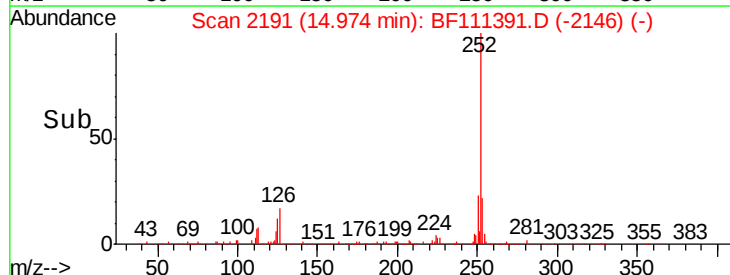
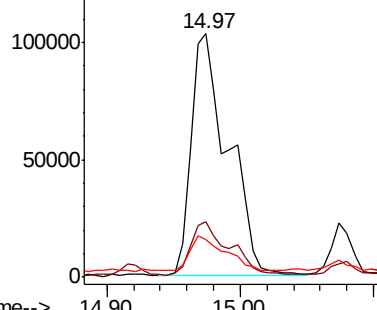


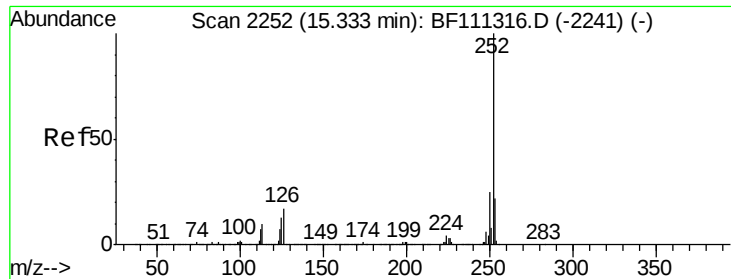
#89
Benzo(k)fluoranthene
Concen: 8.532 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.2	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

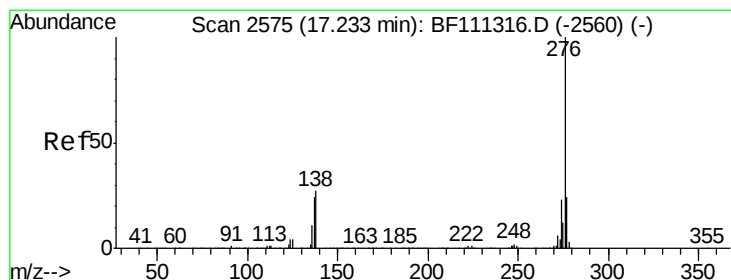
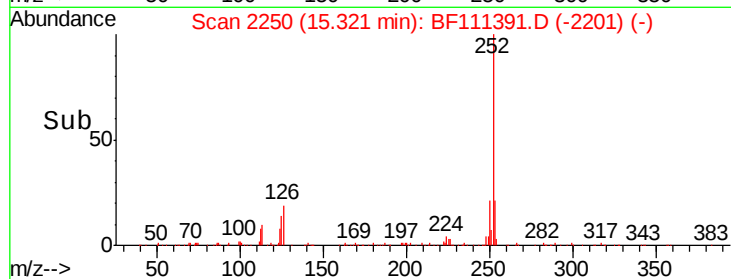
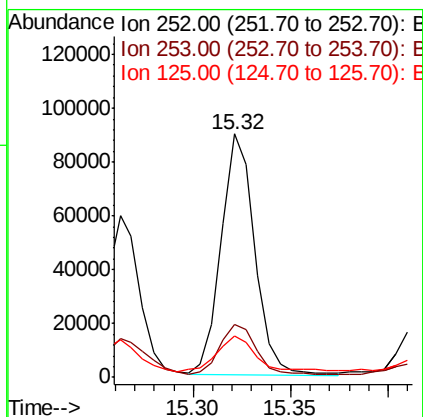
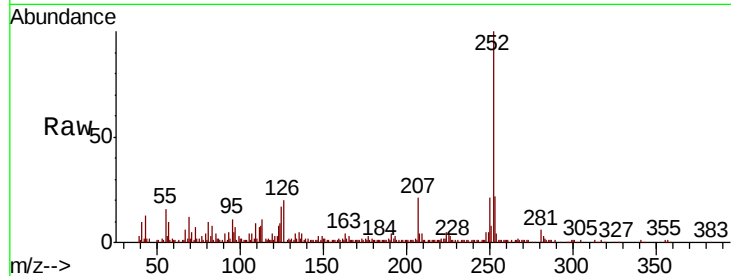




#90
Benzo(a)pyrene
Concen: 4.920 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	17.2	12.3	18.5



#92
Benzo(g,h,i)perylene
Concen: 2.708 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	29.6	24.9	37.3

