

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117583.D
 Acq On : 29 Oct 2019 11:51
 Operator : JU
 Sample : K5503-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:18:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	49623	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	193103	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	83072	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	104929	20.00	ng	0.00
76) Chrysene-d12	13.89	240	89144	20.00	ng	0.00
87) Perylene-d12	15.33	264	88299	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	241646	72.45	ng	0.00
7) Phenol-d6	6.39	99	321207	71.70	ng	0.00
23) Nitrobenzene-d5	7.29	82	200620	51.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	38614	53.72	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	291465	49.44	ng	-0.01
79) Terphenyl-d14	12.83	244	181593	33.23	ng	0.00

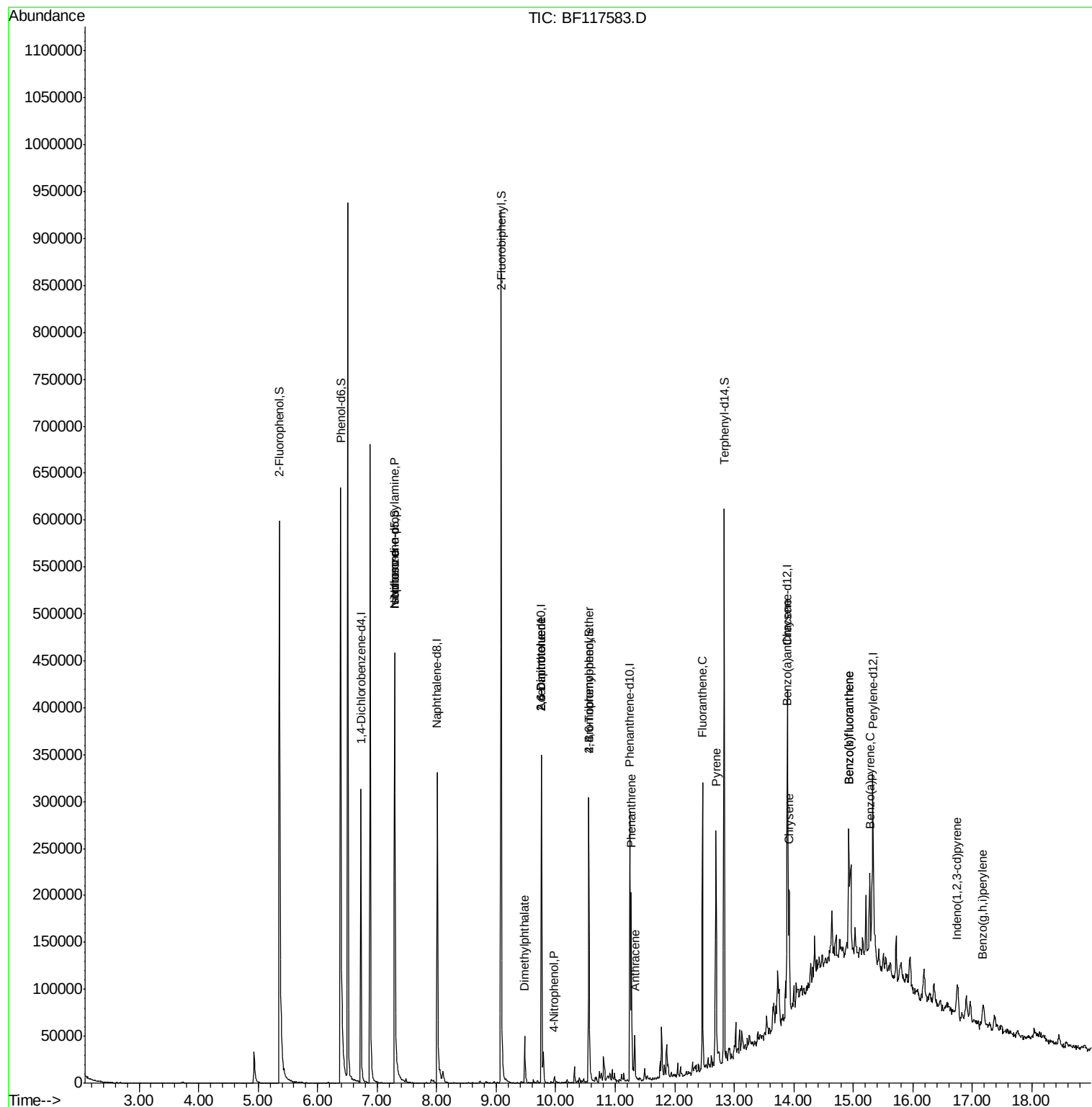
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	390	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.29	70	26142	9.555 ng	#	78
25) Isophorone	7.29	82	200619	29.648 ng	#	65
50) Dimethylphthalate	9.48	163	22671	3.828 ng	#	95
51) 2,6-Dinitrotoluene	9.76	165	10248	8.293 ng	#	25
56) 4-Nitrophenol	9.97	139	1573	6.292 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	10248	6.237 ng	#	14
67) 4-Bromophenyl-phenylether	10.56	248	2543	2.250 ng	#	1
71) Phenanthrene	11.27	178	76716	12.591 ng		98
72) Anthracene	11.33	178	26503	4.239 ng		95
75) Fluoranthene	12.46	202	114943	18.845 ng		98
77) Benzidine	12.83	184	2546	Below Cal	#	78
78) Pyrene	12.69	202	101678	13.279 ng		98
81) Benzo(a)anthracene	13.88	228	57883	9.626 ng		99
83) Chrysene	13.92	228	52476	8.904 ng		97
86) Indeno(1,2,3-cd)pyrene	16.75	276	22497	5.113 ng	#	93
88) Benzo(b)fluoranthene	14.92	252	86095	16.512 ng		96
89) Benzo(k)fluoranthene	14.92	252	86095	16.110 ng	#	96
90) Benzo(a)pyrene	15.27	252	44080	9.298 ng	#	93
92) Benzo(a,h,i)perylene	17.17	276	17893	4.613 ng		96

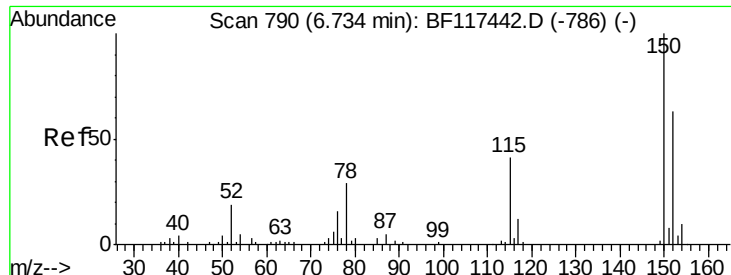
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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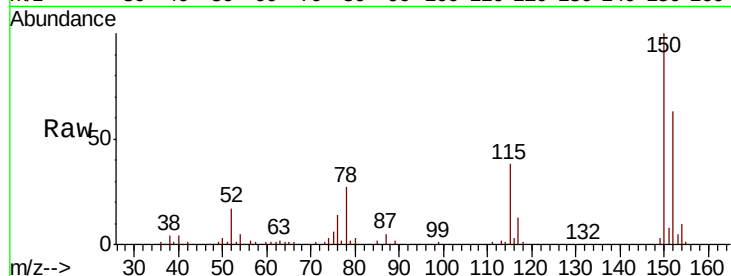


#1

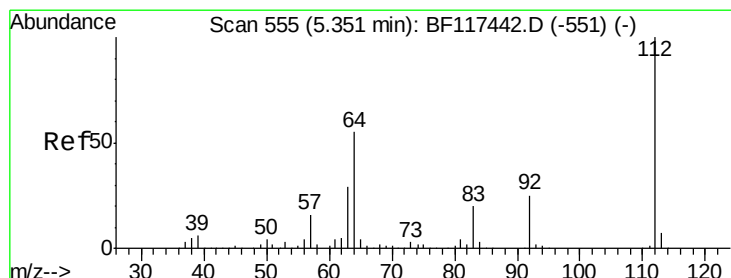
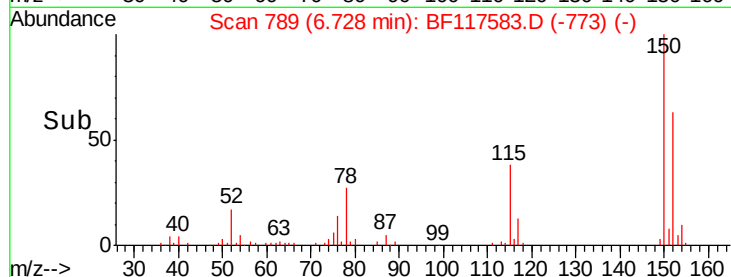
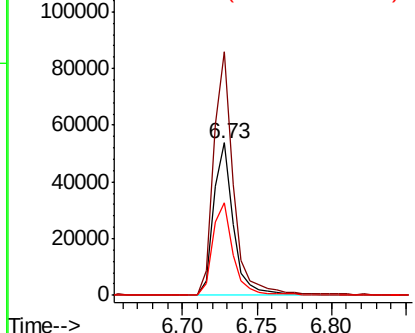
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 49623
Ion Ratio Lower Upper
152 100
150 159.9 126.8 190.2
115 61.1 51.6 77.4



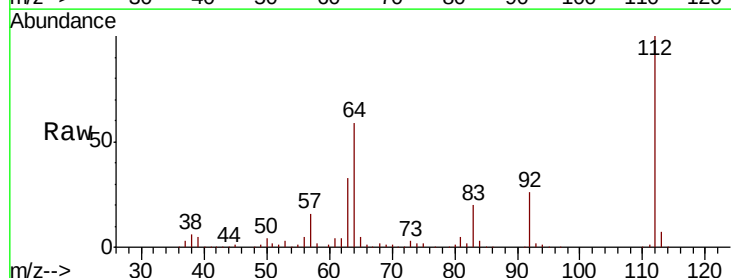
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



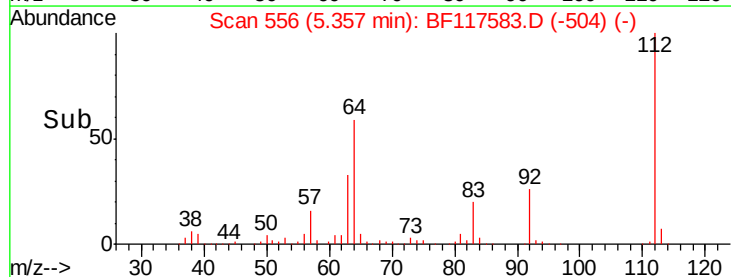
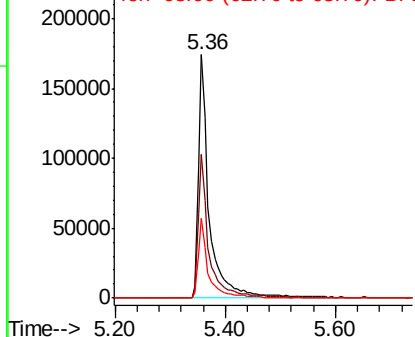
#5

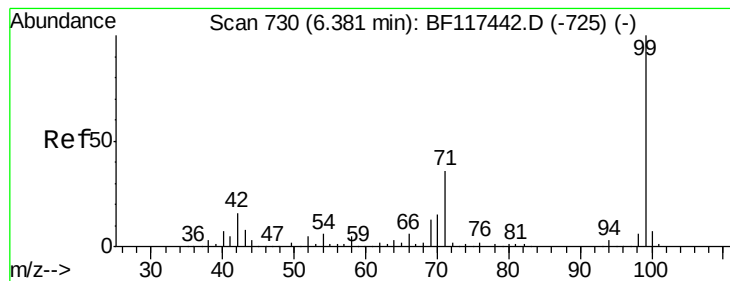
2-Fluorophenol
Concen: 72.446 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion:112 Resp: 241646
Ion Ratio Lower Upper
112 100
64 59.2 44.1 66.1
63 32.7 23.4 35.2



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: 71.698 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

ClientSampleId :

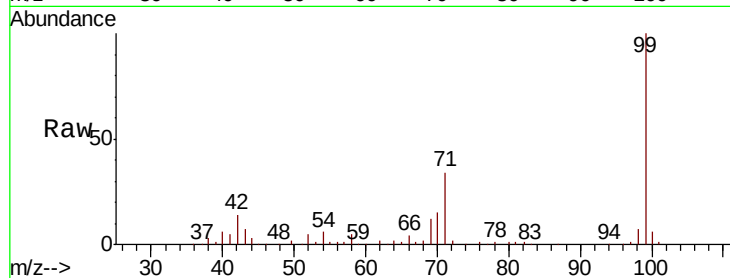
Tot Ion: 99 Resp: 321207

Ion Ratio Lower Upper

99 100

42 14.1 12.8 19.2

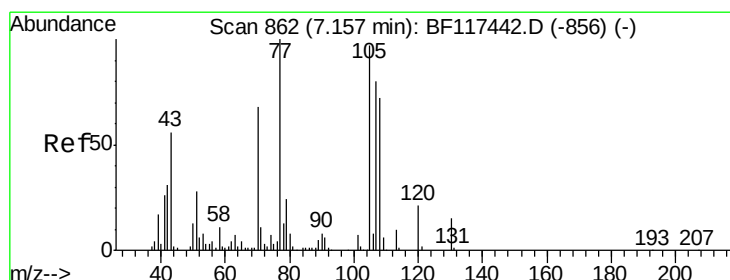
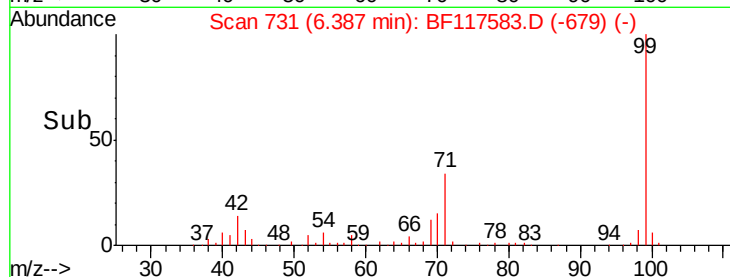
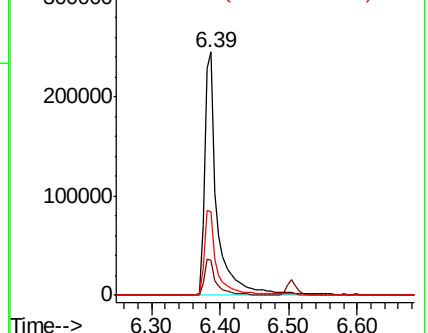
71 34.2 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.555 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Tgt Ion: 70 Resp: 26142

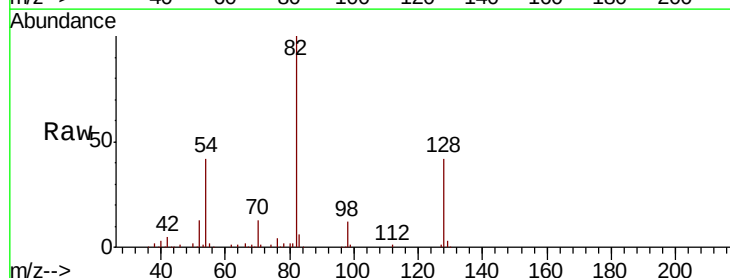
Ion Ratio Lower Upper

70 100

42 38.4 36.7 55.1

101 0.0 8.3 12.5#

130 2.1 18.1 27.1#

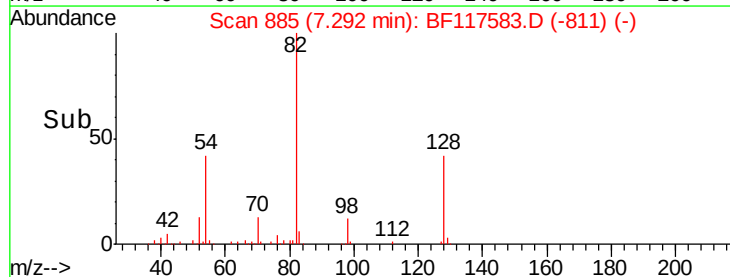
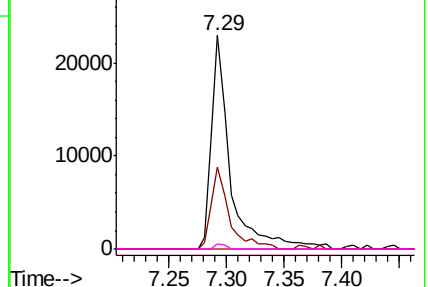


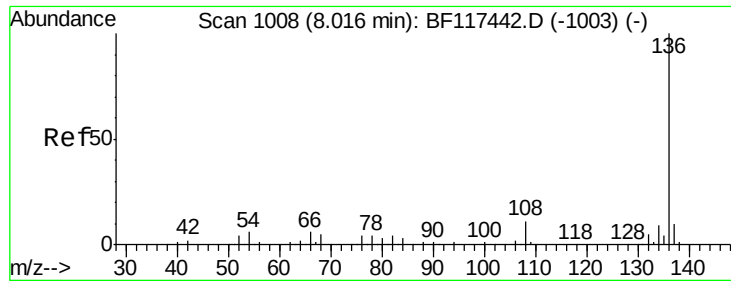
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

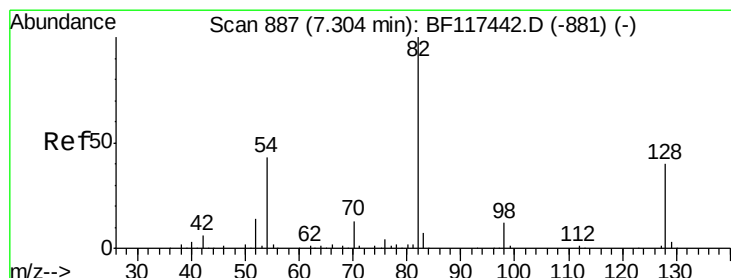
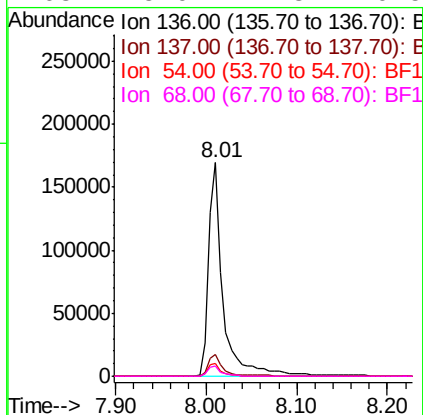
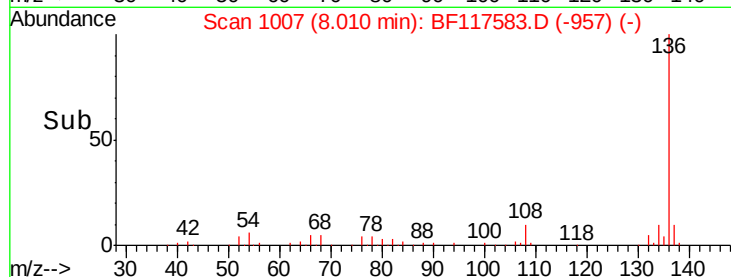
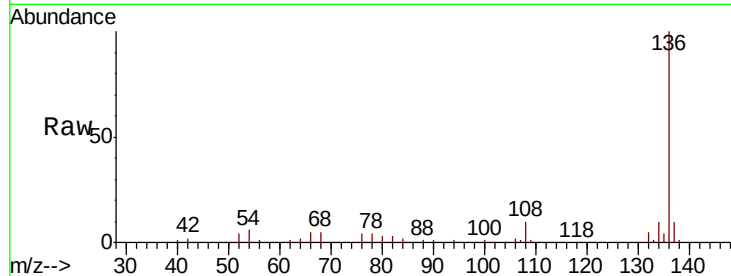




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

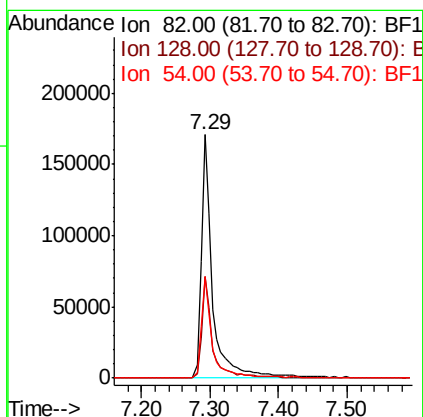
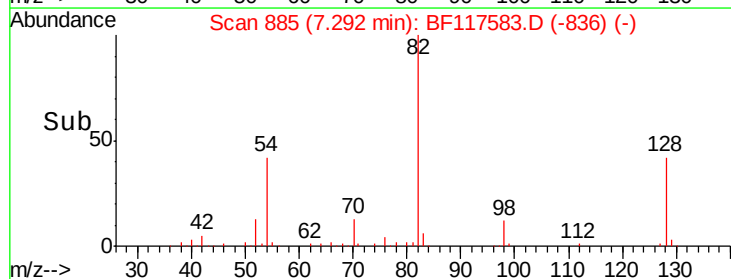
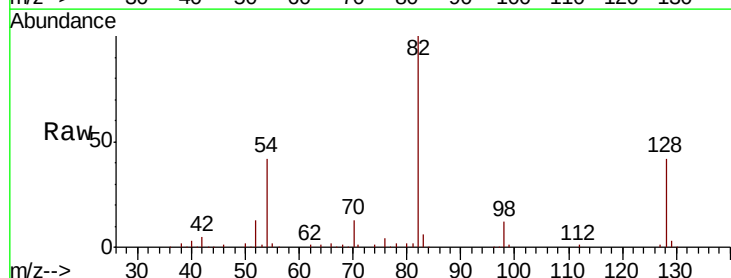
Instrument :
BNA_F
ClientSampleId :

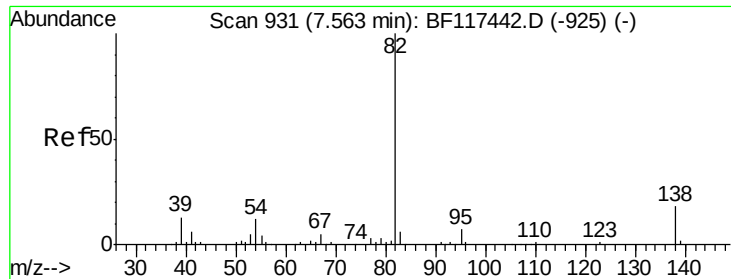
Tot Ion:136	Resp:	193103
Ion	Ratio	Lower Upper
136	100	
137	10.1	8.2 12.4
54	5.9	4.5 6.7
68	5.0	4.3 6.5



#23
Nitrobenzene-d5
Concen: 51.290 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion: 82	Resp:	200620
Ion	Ratio	Lower Upper
82	100	
128	41.8	32.2 48.2
54	41.6	34.2 51.2





#25

Isophorone

Concen: 29.648 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

ClientSampled :

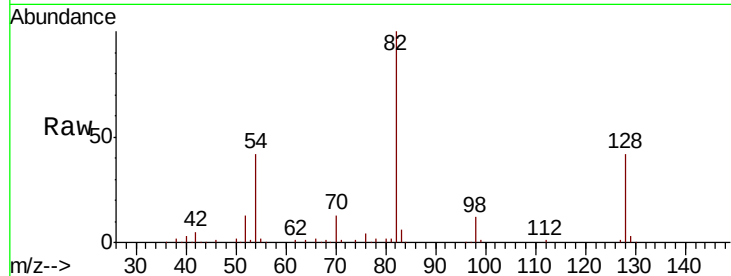
Tot Ion: 82 Resp: 200619

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

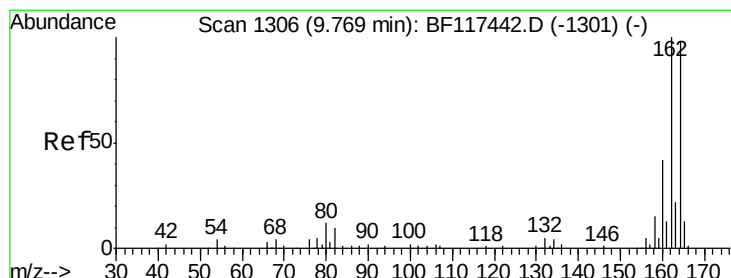
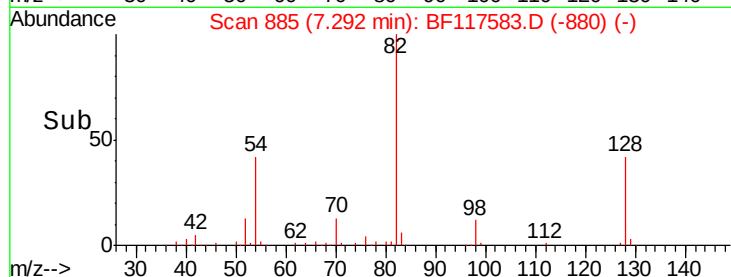
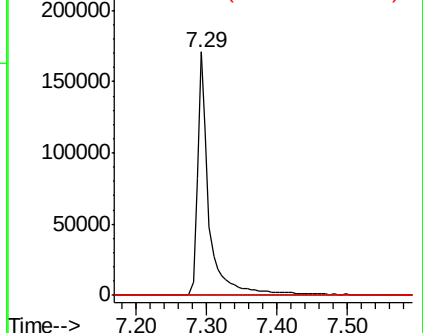
138 0.0 14.2 21.2#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

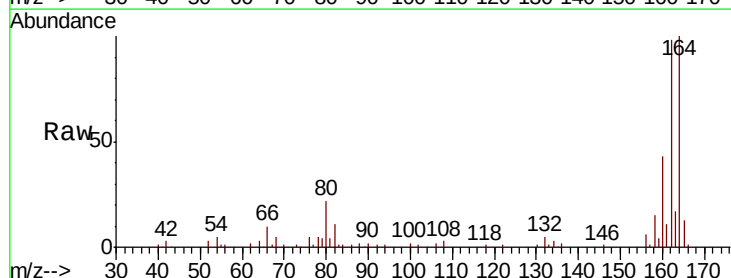
Tgt Ion:164 Resp: 83072

Ion Ratio Lower Upper

164 100

162 97.6 81.8 122.6

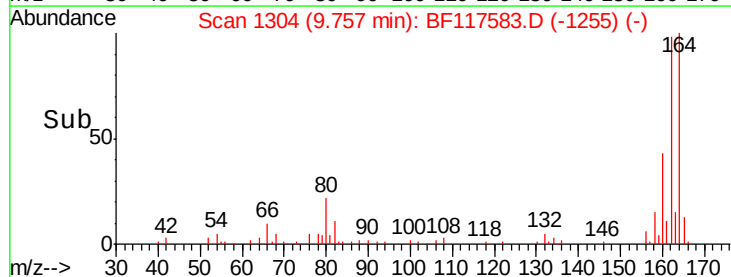
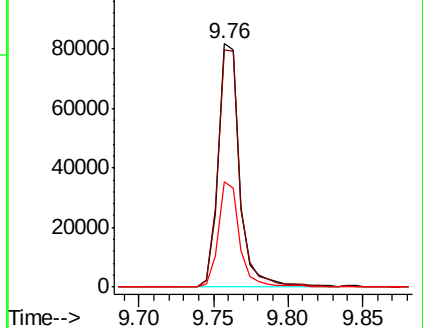
160 43.1 34.4 51.6

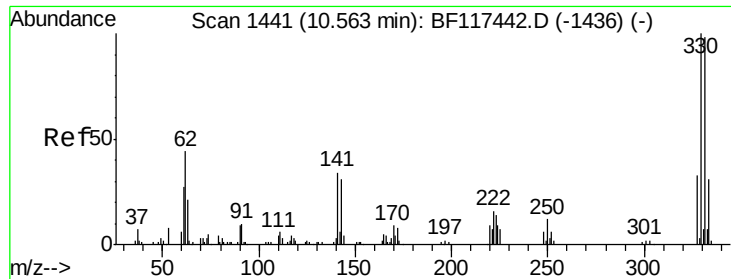


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

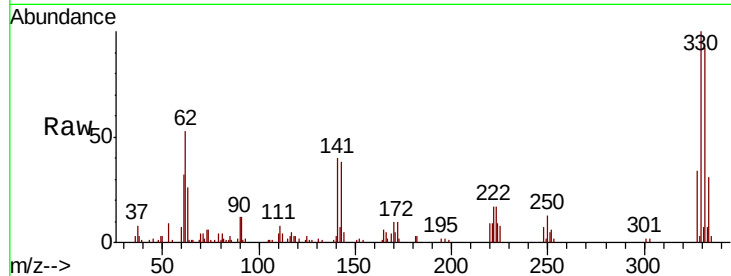




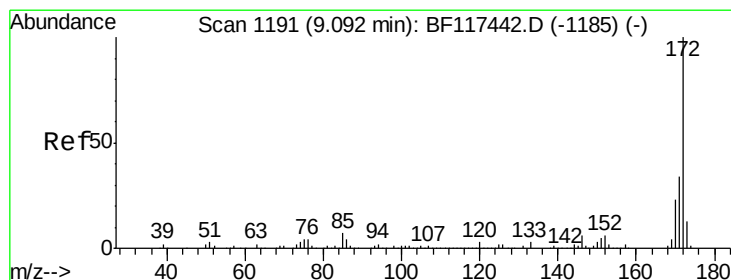
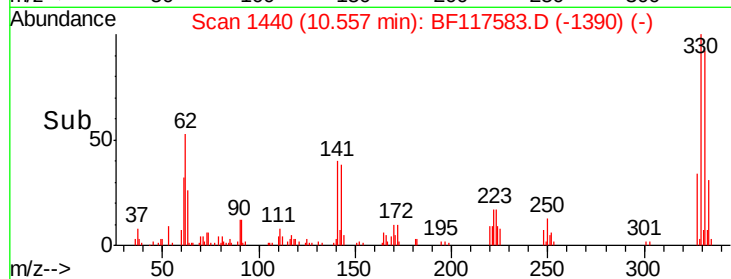
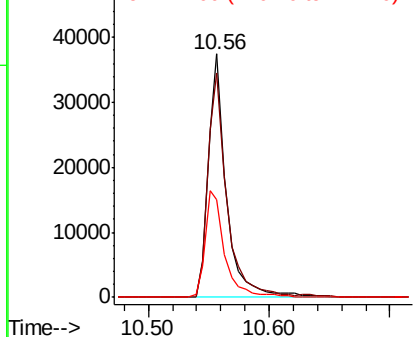
#42
 2,4,6-Tribromophenol
 Concen: 53.721 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117583.D
 Acq: 29 Oct 2019 11:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 38614
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.5 117.7
 141 47.5 37.0 55.6

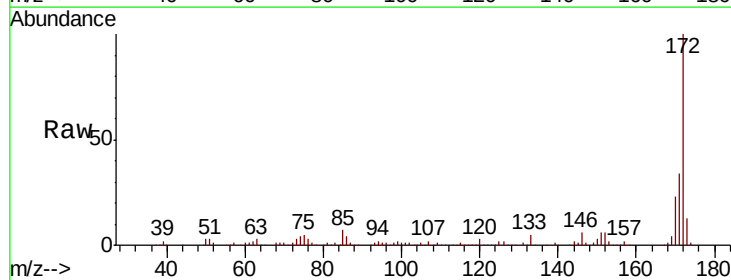


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

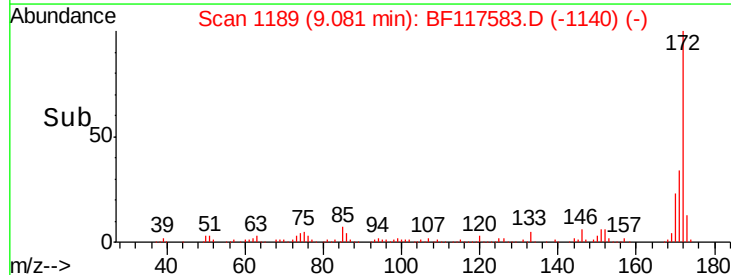
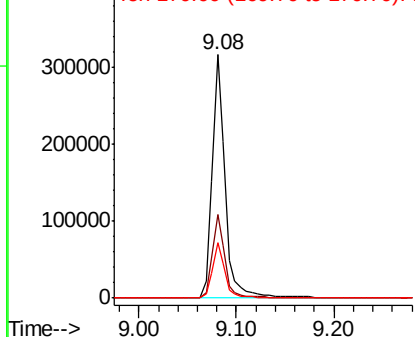


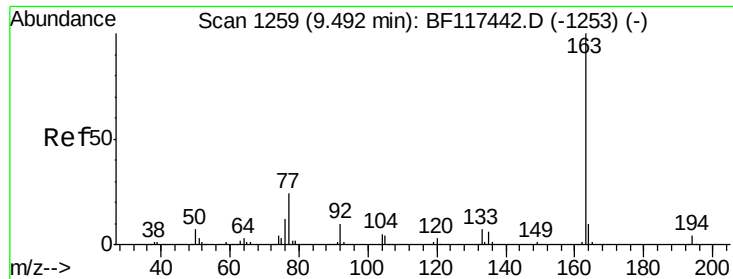
#45
 2-Fluorobiphenyl
 Concen: 49.436 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117583.D
 Acq: 29 Oct 2019 11:51

Tgt Ion:172 Resp: 291465
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.5 41.3
 170 22.7 18.6 27.8



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

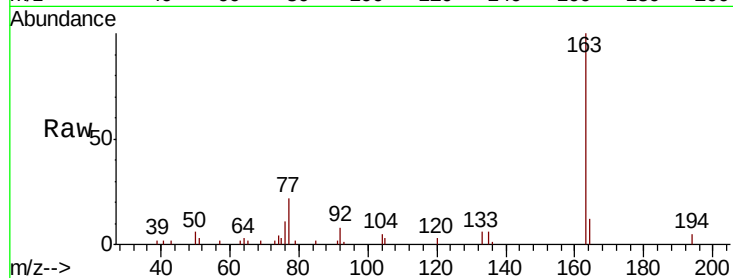




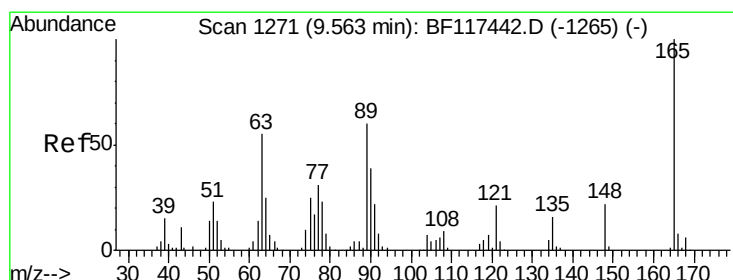
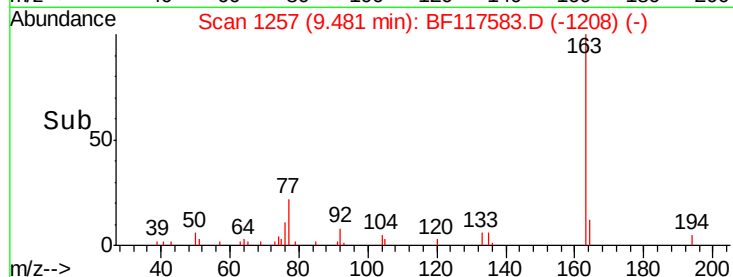
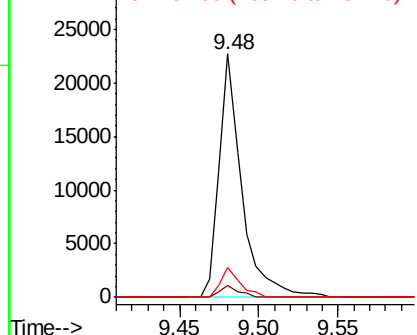
#50
Dimethylphthalate
Concen: 3.828 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 22671
Ion Ratio Lower Upper
163 100
194 4.7 2.9 4.3#
164 12.0 8.2 12.2

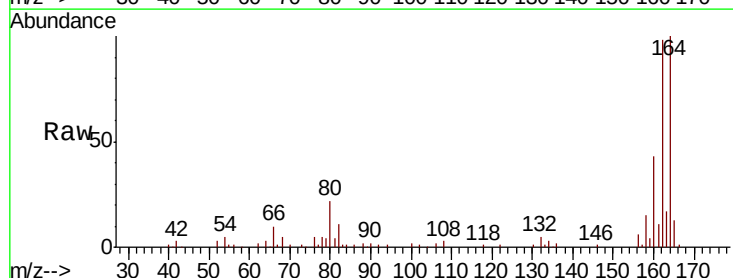


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

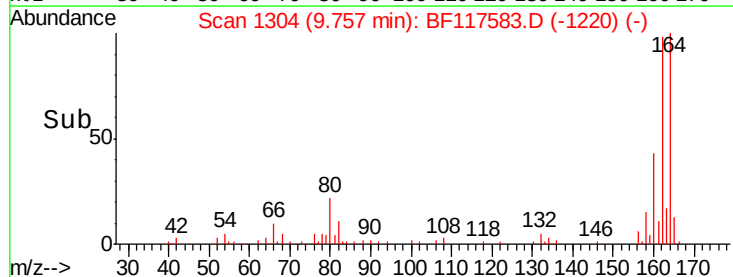
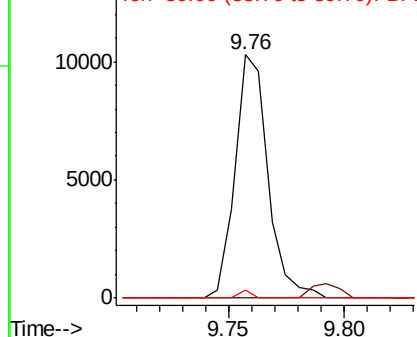


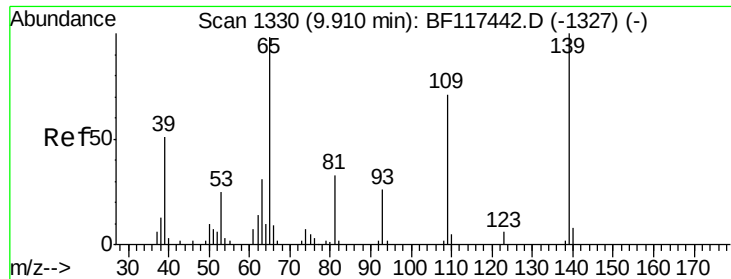
#51
2,6-Dinitrotoluene
Concen: 8.293 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.19 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion:165 Resp: 10248
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 3.2 47.6 71.4#



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

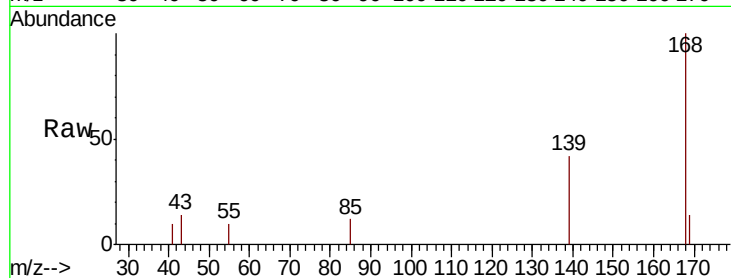




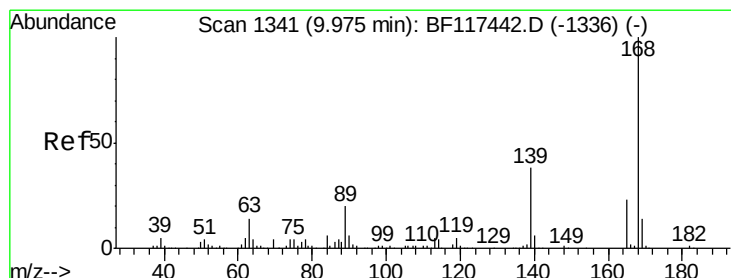
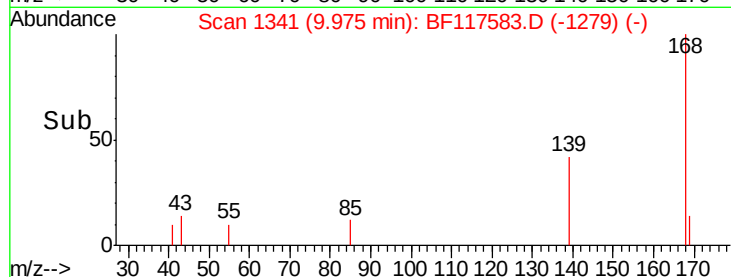
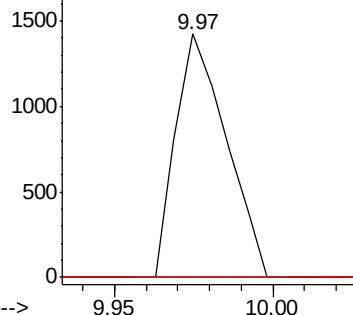
#56
4-Nitrophenol
Concen: 6.292 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1573
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

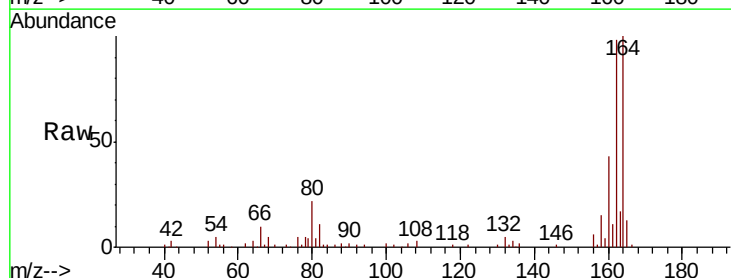


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

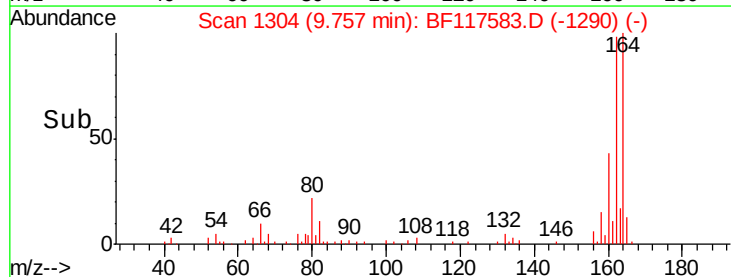
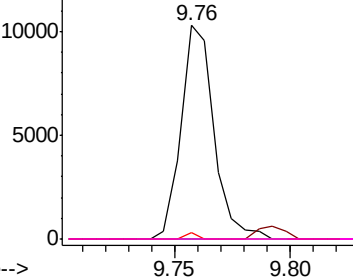


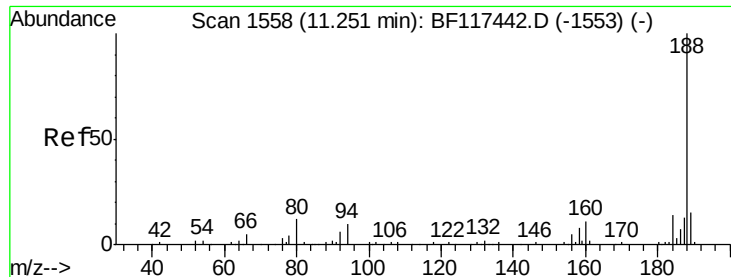
#57
2,4-Dinitrotoluene
Concen: 6.237 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion:165 Resp: 10248
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 3.2 69.9 104.9#
182 0.0 1.9 2.9#



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: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

ClientSampled :

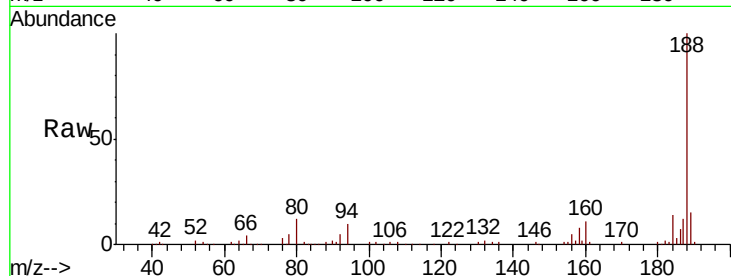
Tot Ion:188 Resp: 104929

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

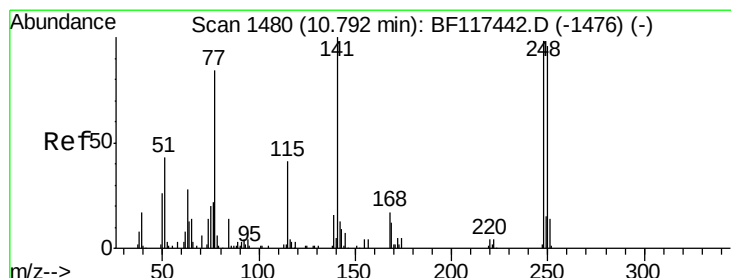
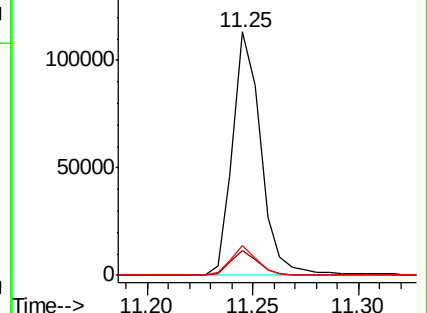
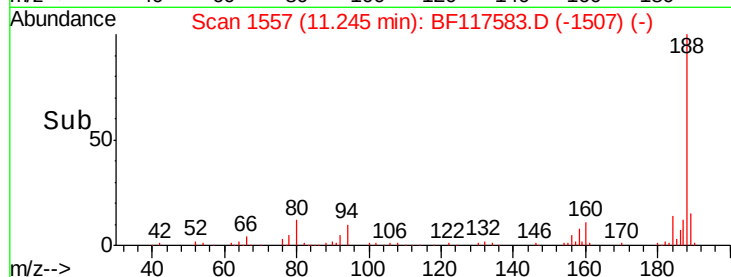
80 12.2 9.5 14.3



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: 2.250 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

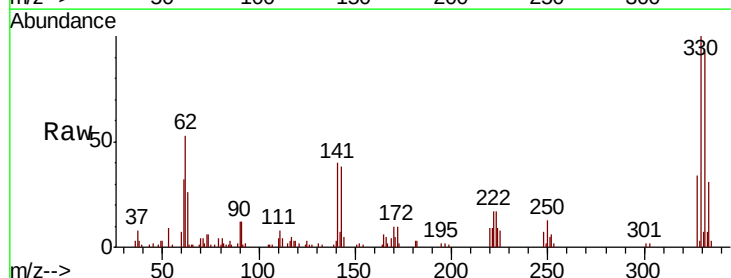
Tgt Ion:248 Resp: 2543

Ion Ratio Lower Upper

248 100

250 178.4 78.0 117.0#

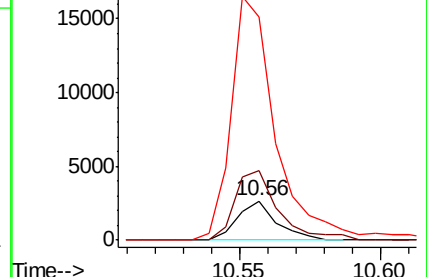
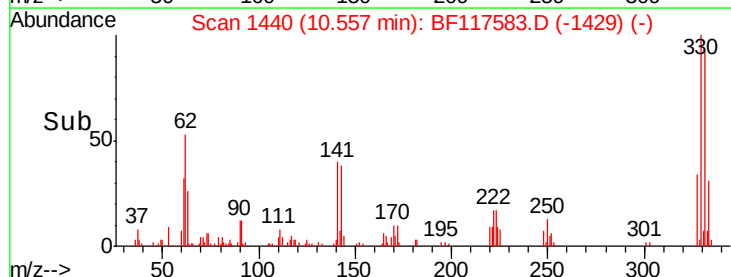
141 570.2 81.7 122.5#

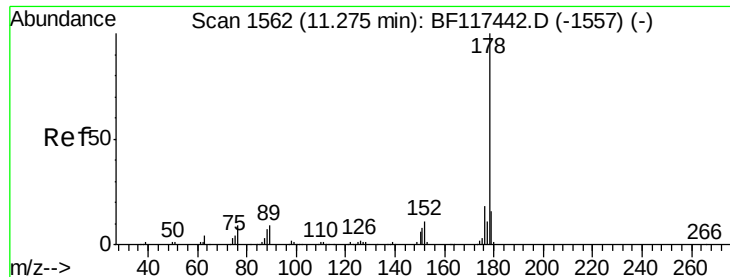


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

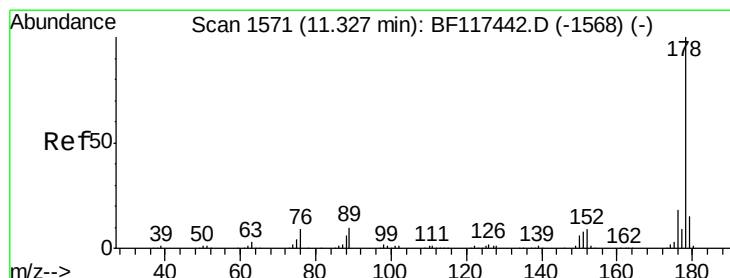
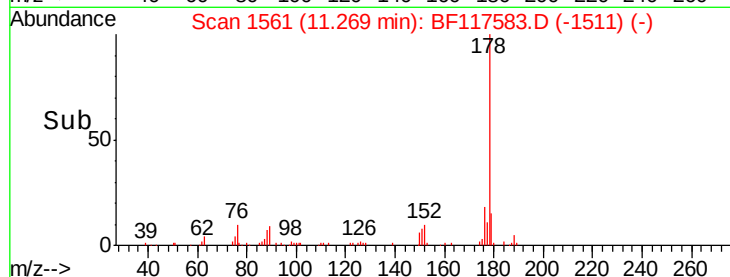
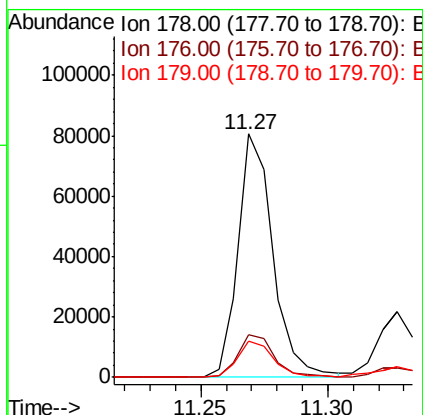
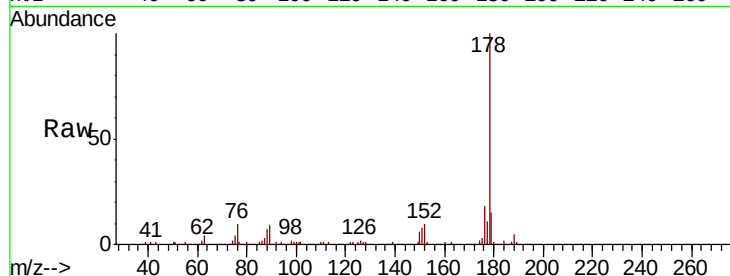




#71
Phenanthrene
Concen: 12.591 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

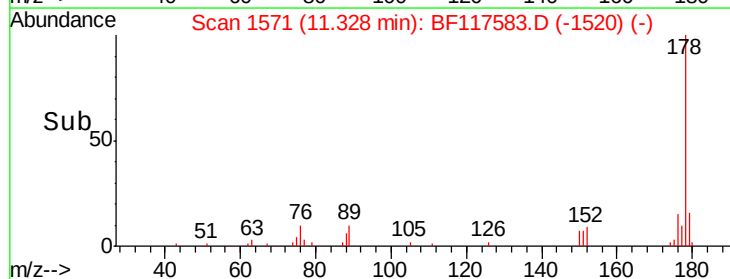
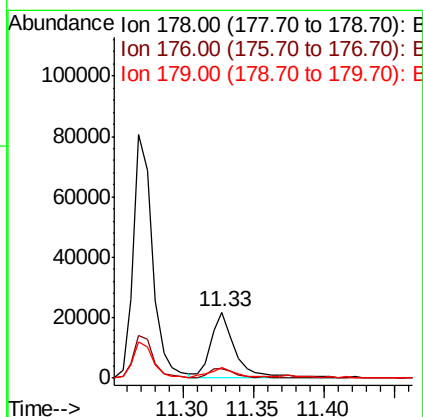
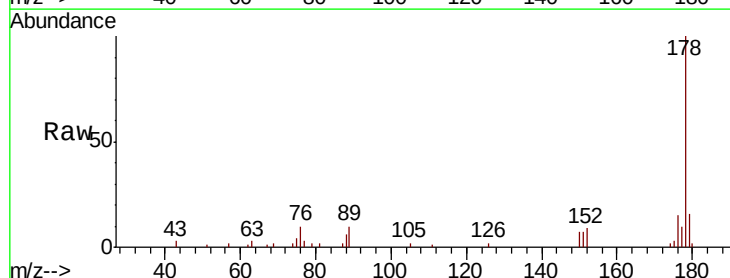
Instrument :
BNA_F
ClientSampled :

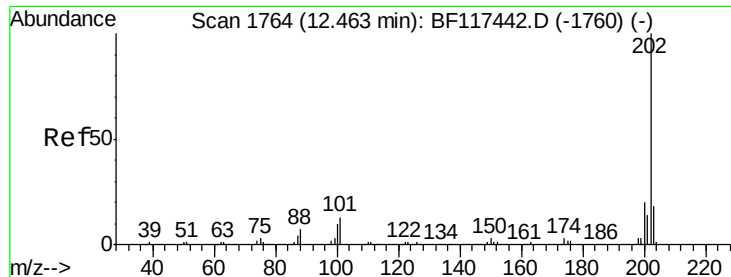
Tot Ion:178 Resp: 76716
Ion Ratio Lower Upper
178 100
176 17.7 14.6 22.0
179 14.8 12.6 19.0



#72
Anthracene
Concen: 4.239 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion:178 Resp: 26503
Ion Ratio Lower Upper
178 100
176 15.1 14.7 22.1
179 15.7 12.2 18.2





#75

Fluoranthene

Concen: 18.845 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

ClientSampleId :

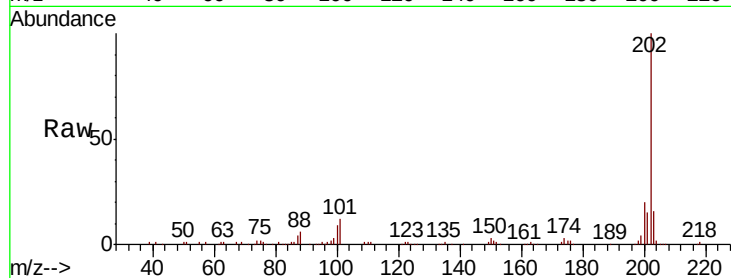
Tot Ion:202 Resp: 114943

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.7

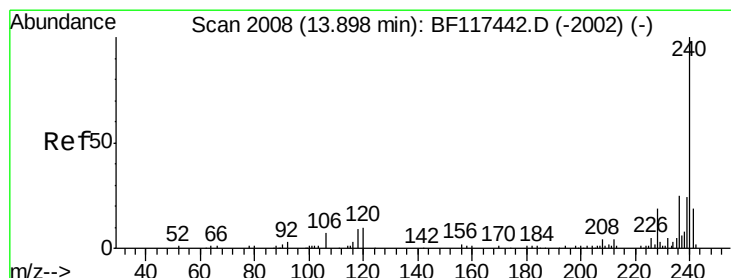
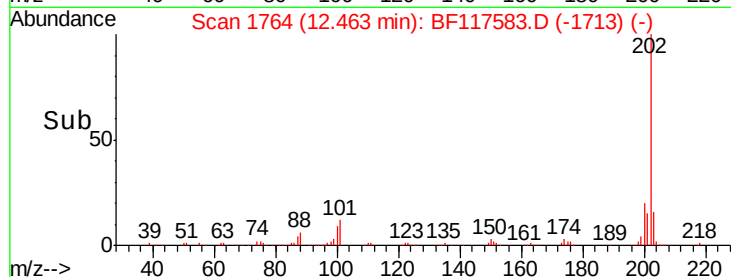
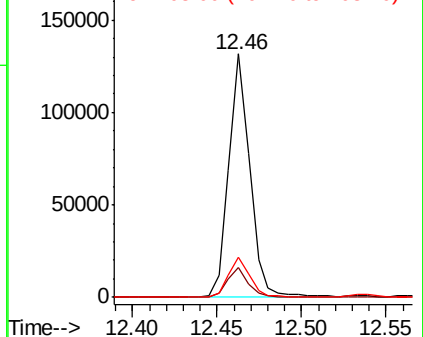
203 16.4 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

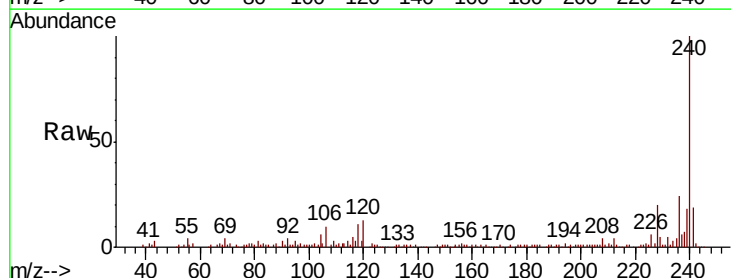
Tgt Ion:240 Resp: 89144

Ion Ratio Lower Upper

240 100

120 12.6 8.4 12.6#

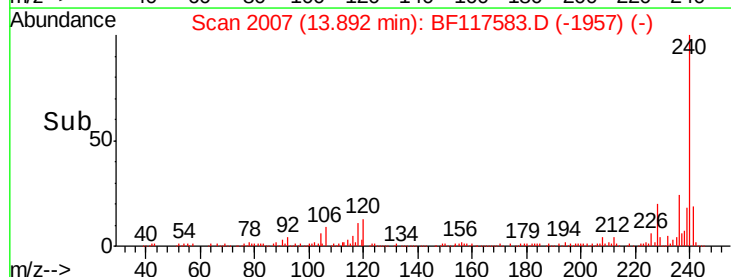
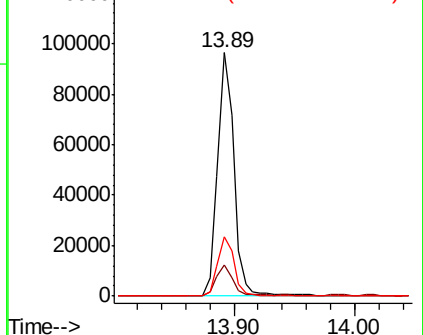
236 24.3 20.0 30.0

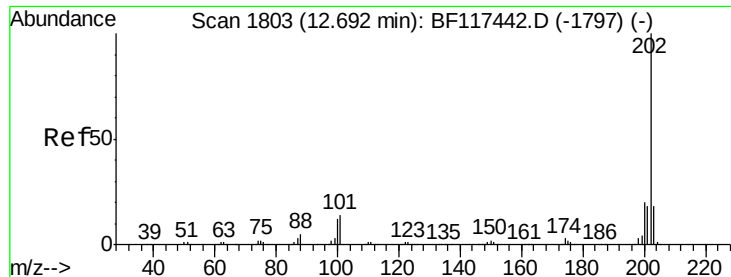


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.279 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

Instrument :

BNA_F

ClientSampled :

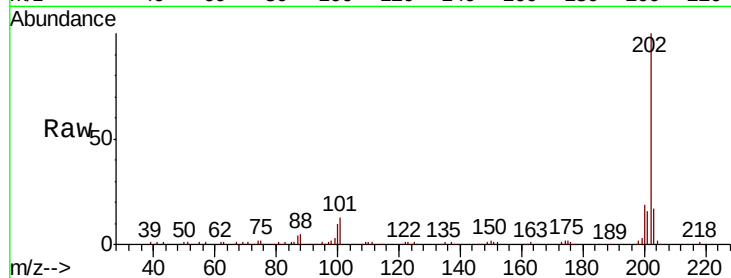
Tot Ion:202 Resp: 101678

Ion Ratio Lower Upper

202 100

200 18.7 16.2 24.2

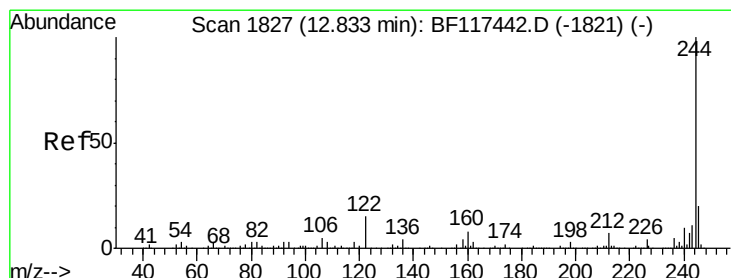
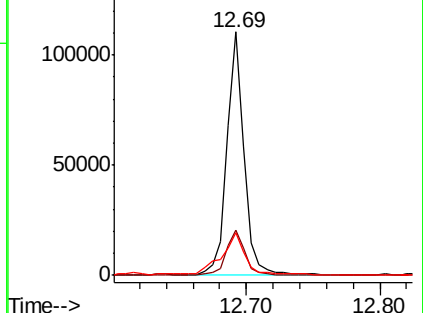
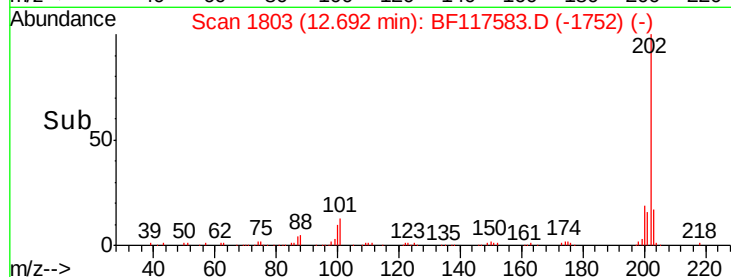
203 17.4 14.0 21.0



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: 33.227 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117583.D

Acq: 29 Oct 2019 11:51

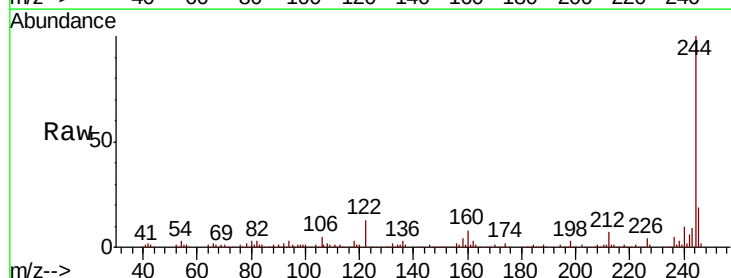
Tgt Ion:244 Resp: 181593

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

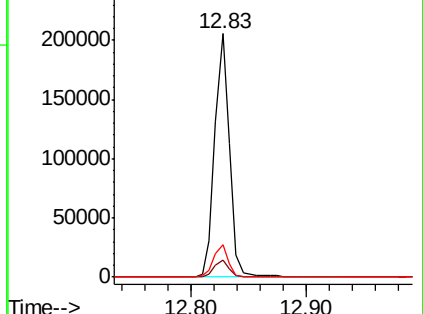
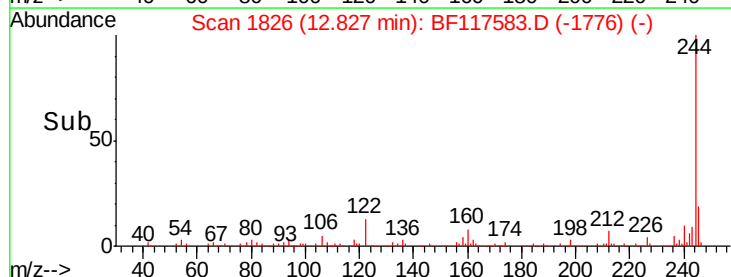
122 13.4 11.8 17.8

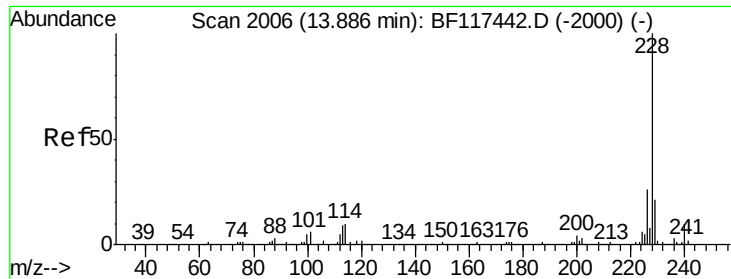


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

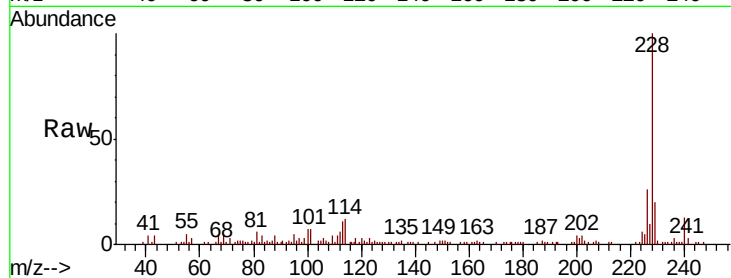




#81
Benzo(a)anthracene
Concen: 9.626 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.0	31.4
229	20.2	16.4	24.6

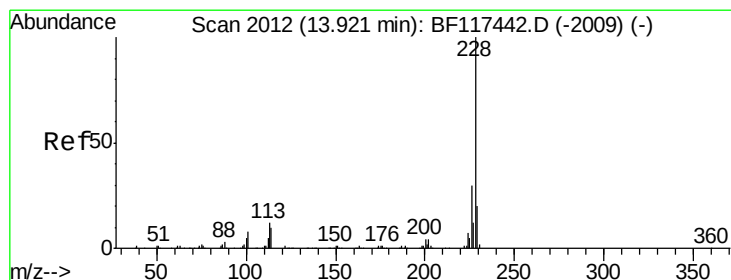
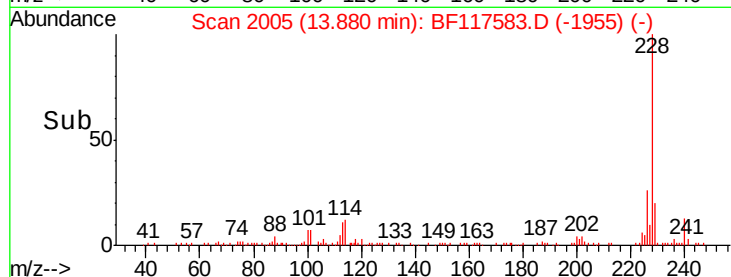
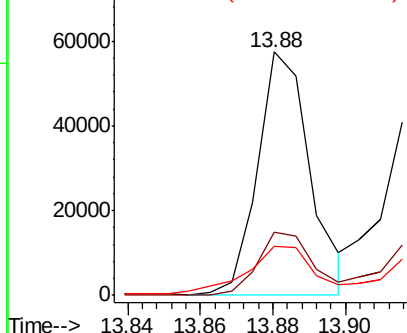


Abundance

Ion 228.00 (227.70 to 228.70): E

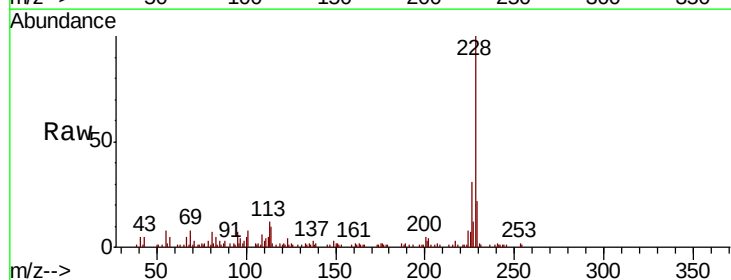
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 8.904 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	21.7	15.8	23.6

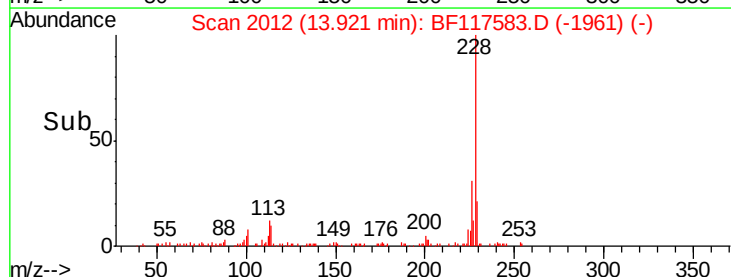
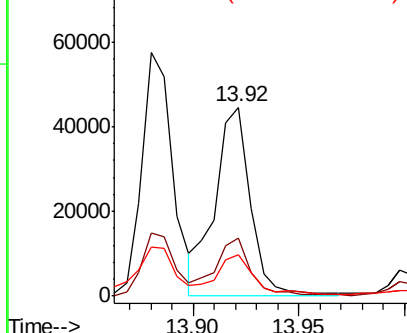


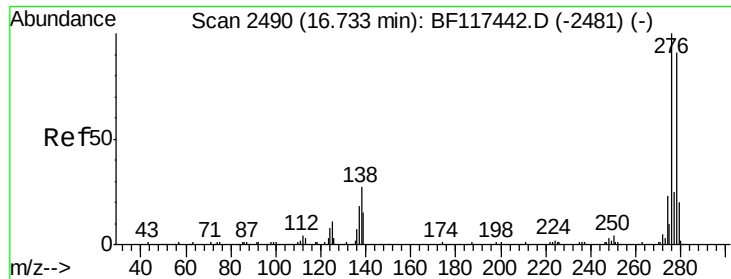
Abundance

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

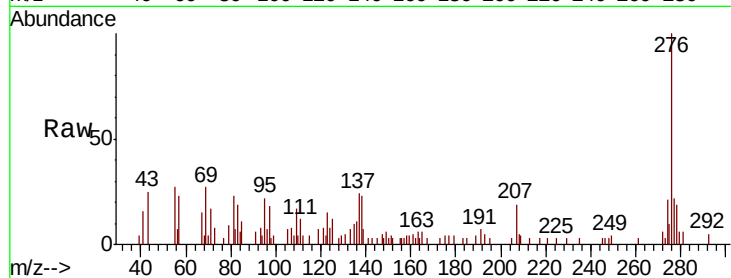




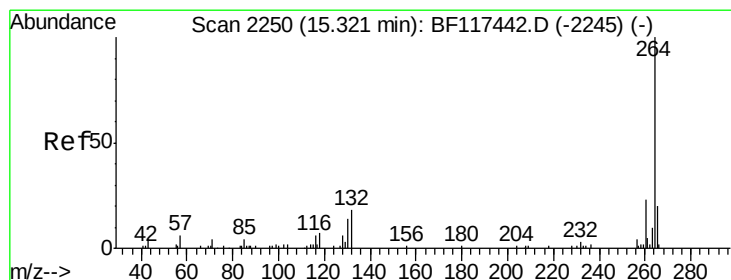
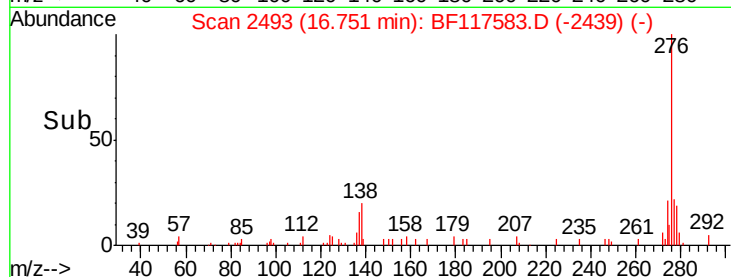
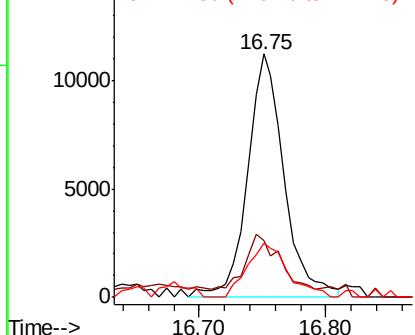
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.113 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117583.D
 Acq: 29 Oct 2019 11:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	21.8	32.8#
277	24.5	20.0	30.0

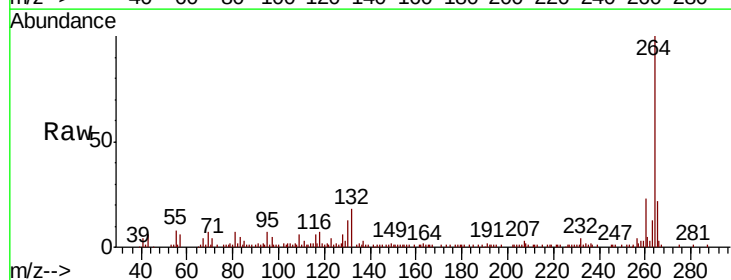


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

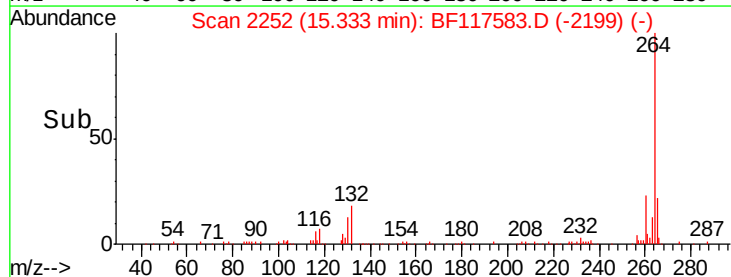
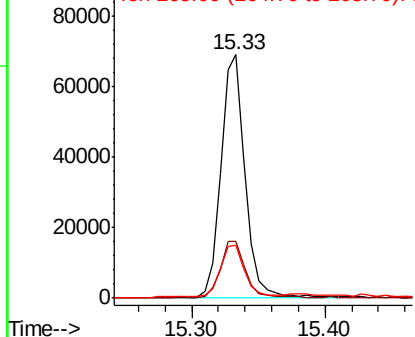


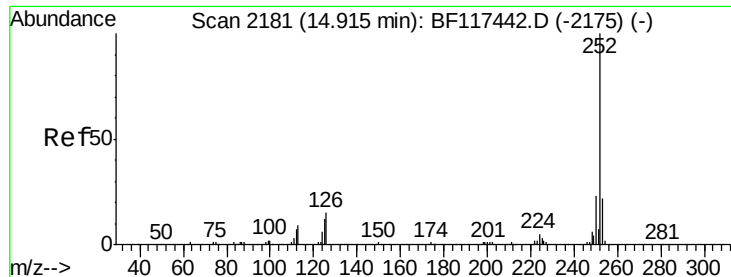
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117583.D
 Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	21.8	16.1	24.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

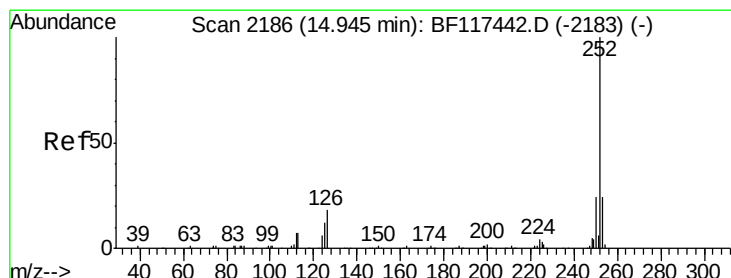
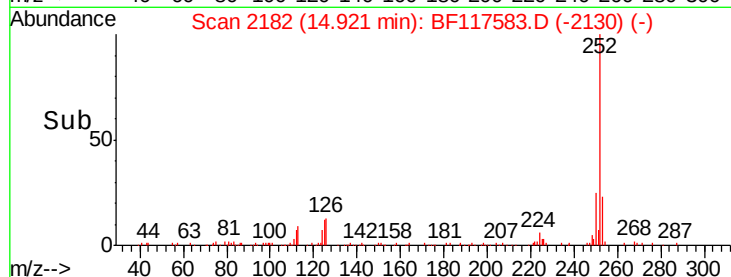
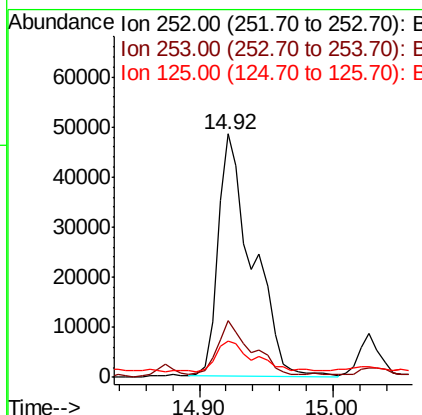
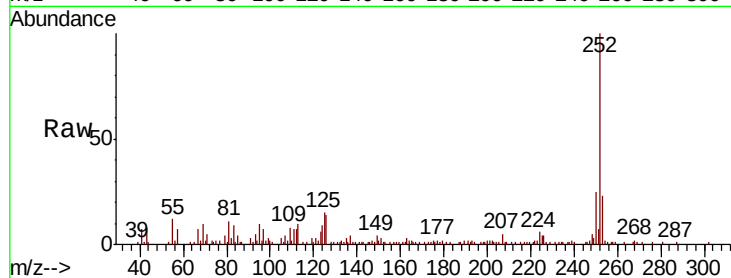




#88
Benzo(b)fluoranthene
Concen: 16.512 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

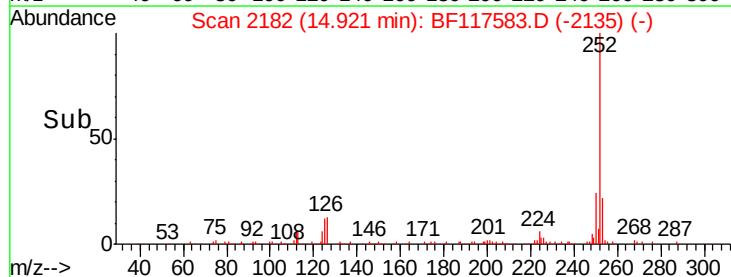
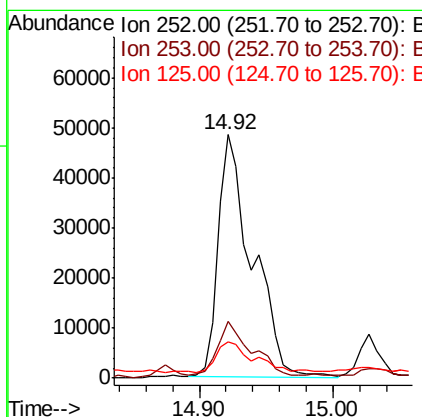
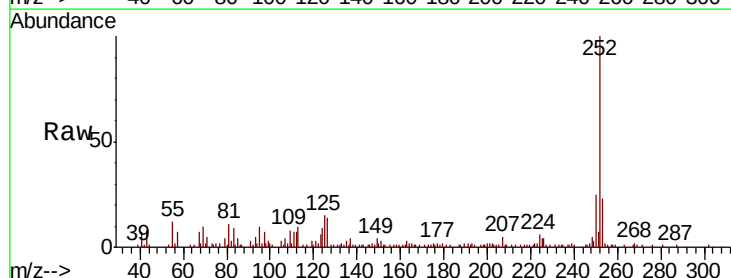
Instrument :
BNA_F
ClientSampleId :

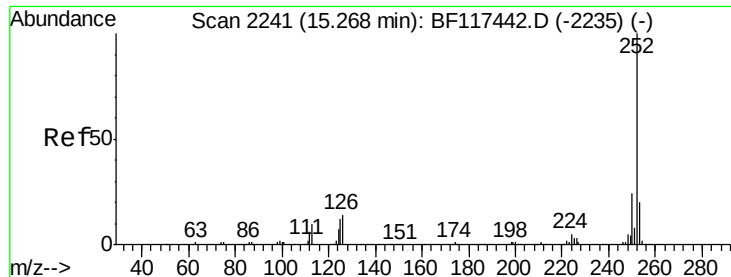
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	14.8	9.9	14.9



#89
Benzo(k)fluoranthene
Concen: 16.110 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.8	8.9	13.3

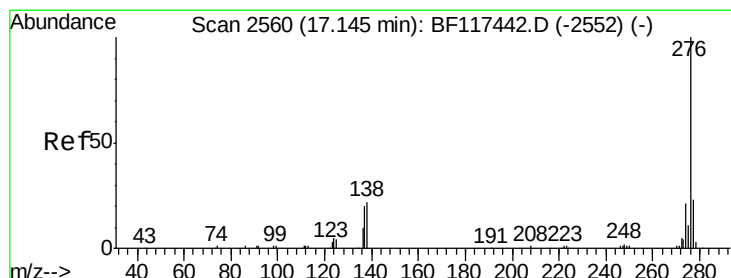
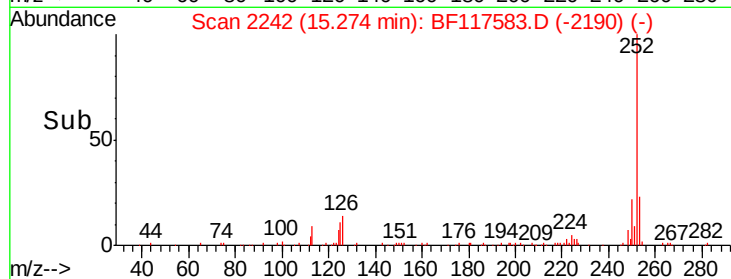
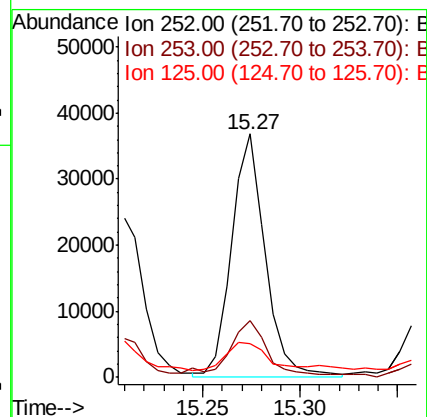
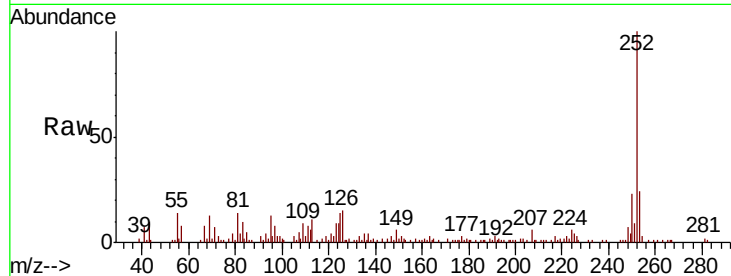




#90
Benzo(a)pyrene
Concen: 9.298 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44080
Ion Ratio Lower Upper
252 100
253 23.5 16.3 24.5
125 14.0 9.2 13.8#



#92
Benzo(g,h,i)perylene
Concen: 4.613 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.03 min
Lab File: BF117583.D
Acq: 29 Oct 2019 11:51

Tgt Ion:276 Resp: 17893
Ion Ratio Lower Upper
276 100
277 19.8 18.4 27.6
138 21.2 17.8 26.6

