

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117627.D
 Acq On : 30 Oct 2019 16:25
 Operator : JU
 Sample : K5541-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:24:40 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	36878	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	143418	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	66426	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	94498	20.00	ng	0.00
76) Chrysene-d12	13.90	240	76216	20.00	ng	0.00
87) Perylene-d12	15.33	264	62528	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	228614	92.23	ng	0.00
7) Phenol-d6	6.39	99	311544	93.57	ng	0.00
23) Nitrobenzene-d5	7.29	82	187636	64.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	43226	75.21	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	230269	48.84	ng	-0.01
79) Terphenyl-d14	12.83	244	171334	36.67	ng	0.00

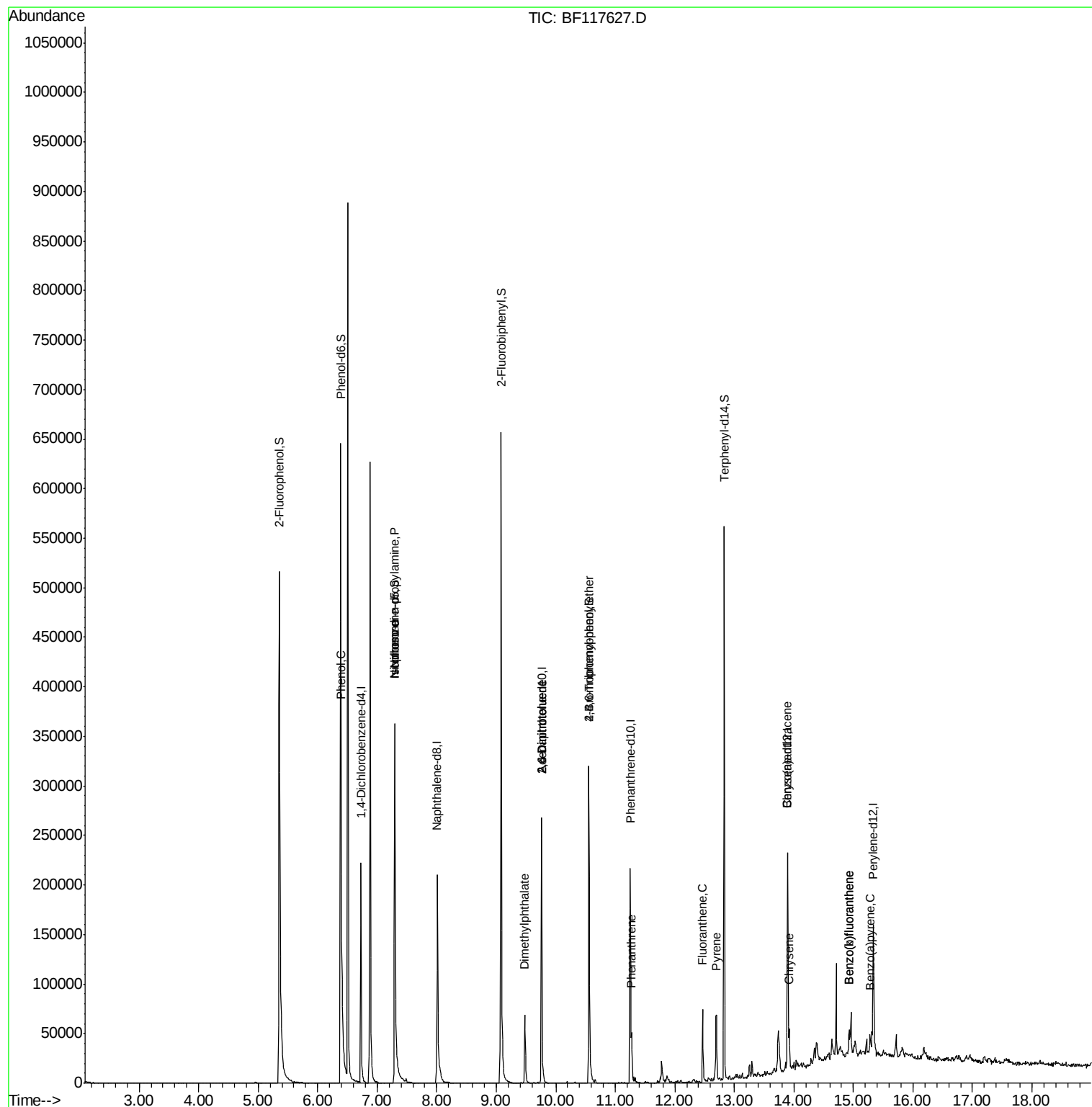
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	12888	3.793	ng	81
19) n-Nitroso-di-n-propylamine	7.29	70	24135	11.870	ng	# 78
25) Isophorone	7.29	82	187635	37.336	ng	# 65
50) Dimethylphthalate	9.48	163	37813	7.985	ng	98
51) 2,6-Dinitrotoluene	9.76	165	8099	8.196	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	8099	6.165	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2562	2.517	ng	# 1
71) Phenanthrene	11.27	178	18482	3.368	ng	99
75) Fluoranthene	12.47	202	35838	6.524	ng	97
77) Benzidine	12.83	184	2394	Below Cal		99
78) Pyrene	12.70	202	32447	4.956	ng	98
81) Benzo(a)anthracene	13.89	228	15196	2.956	ng	96
83) Chrysene	13.92	228	14061	2.791	ng	97
88) Benzo(b)fluoranthene	14.93	252	19309	5.229	ng	# 93
89) Benzo(k)fluoranthene	14.93	252	19309	5.102	ng	# 92
90) Benzo(a)pyrene	15.28	252	9840	2.931	ng	93

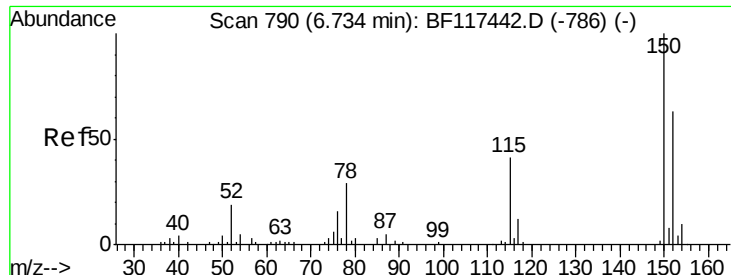
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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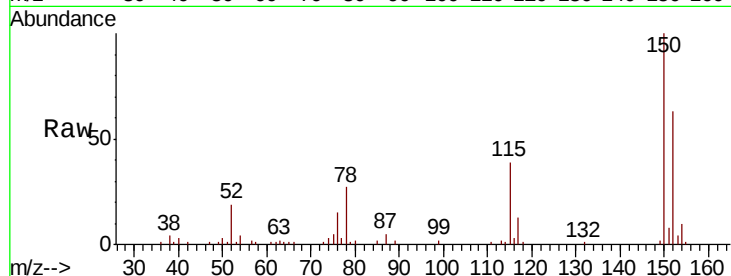


#1

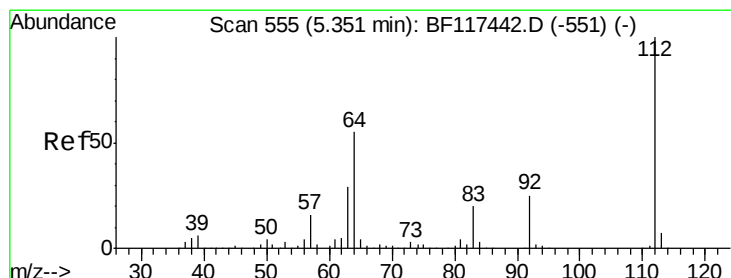
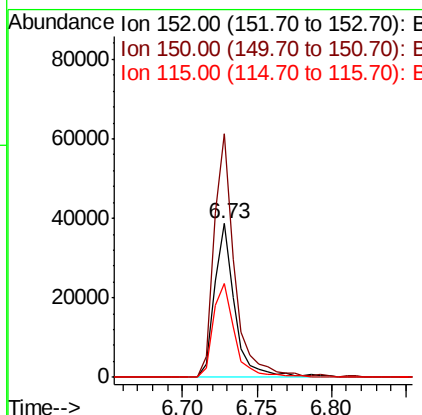
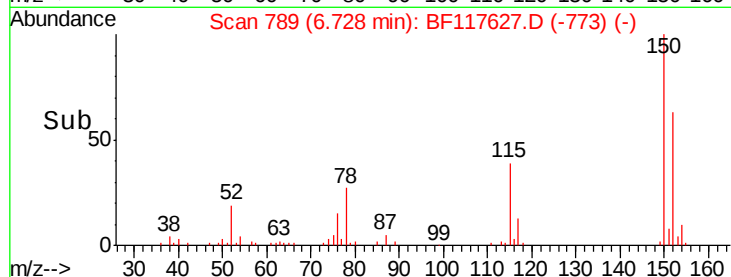
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 36878
 Ion Ratio Lower Upper
 152 100
 150 158.2 126.8 190.2
 115 61.4 51.6 77.4



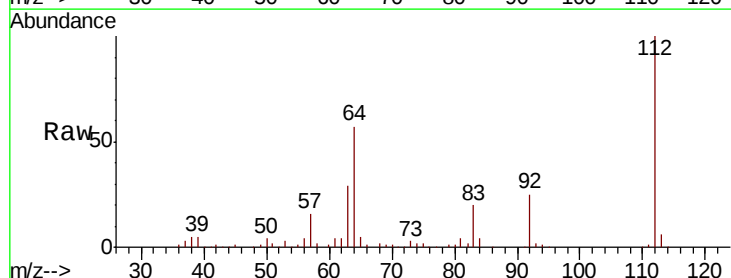
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



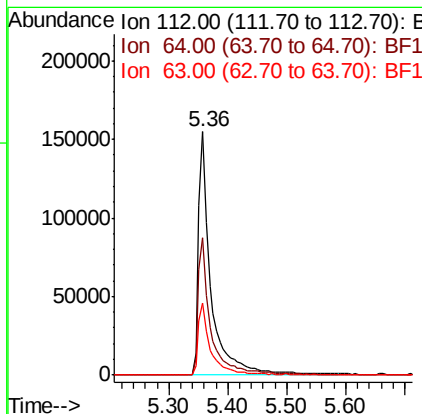
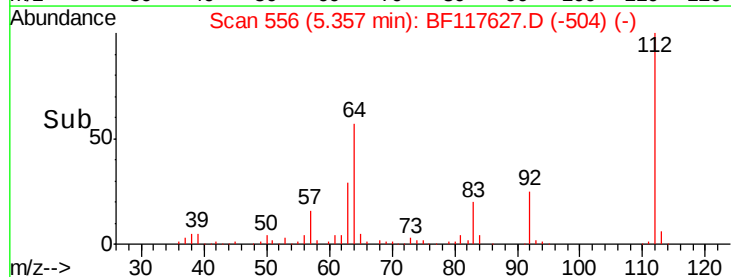
#5

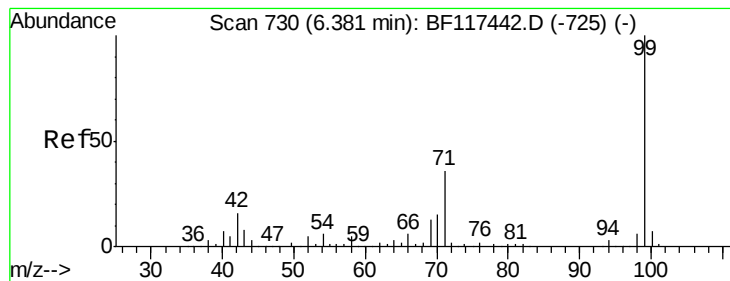
2-Fluorophenol
 Concen: 92.226 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Tgt Ion:112 Resp: 228614
 Ion Ratio Lower Upper
 112 100
 64 56.6 44.1 66.1
 63 29.4 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: 93.574 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117627.D

Acq: 30 Oct 2019 16:25

Instrument :

BNA_F

ClientSampled :

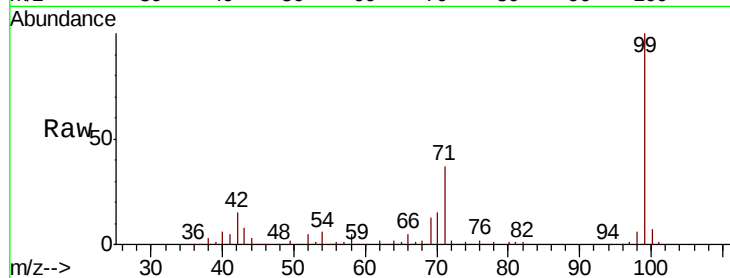
Tot Ion: 99 Resp: 311544

Ion Ratio Lower Upper

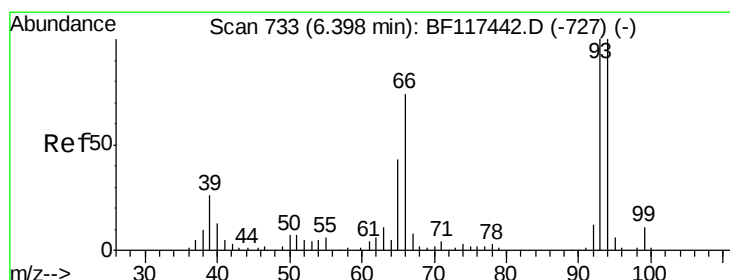
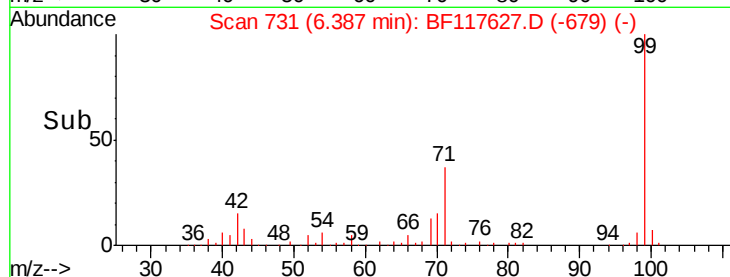
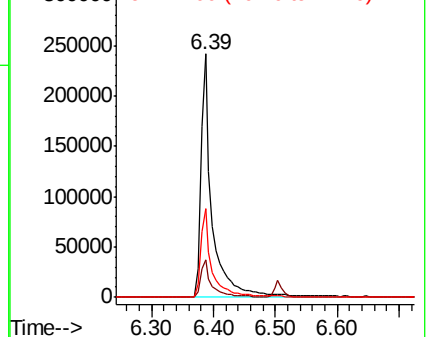
99 100

42 15.3 12.8 19.2

71 36.5 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



#10

Phenol

Concen: 3.793 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117627.D

Acq: 30 Oct 2019 16:25

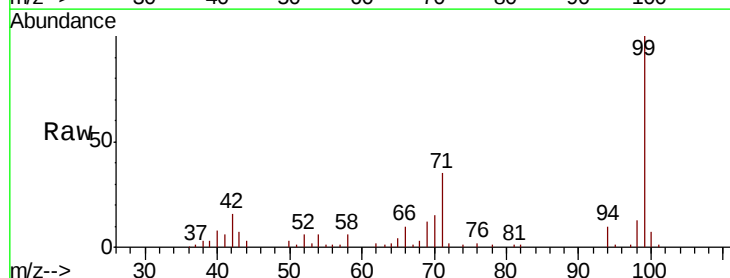
Tgt Ion: 94 Resp: 12888

Ion Ratio Lower Upper

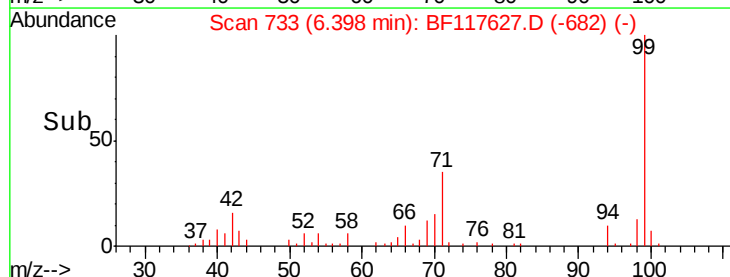
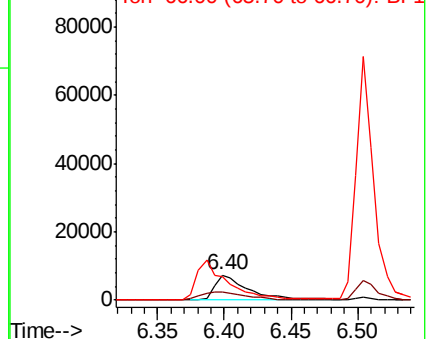
94 100

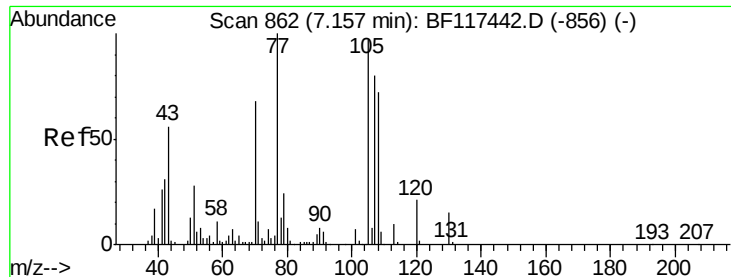
65 35.0 23.4 63.4

66 93.9 54.7 94.7



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

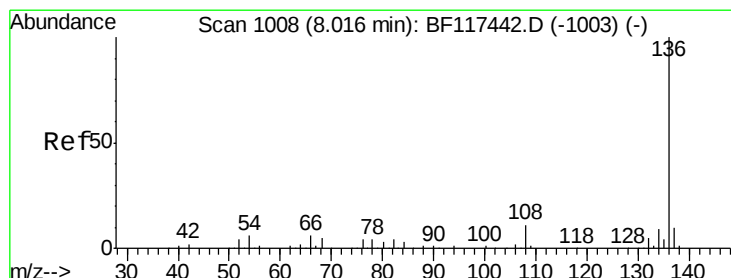
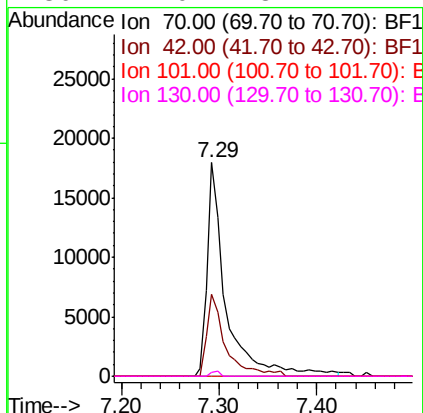
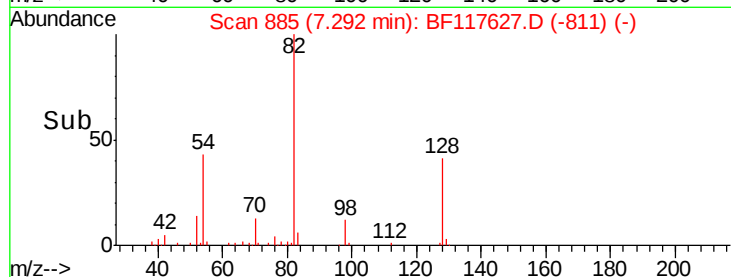
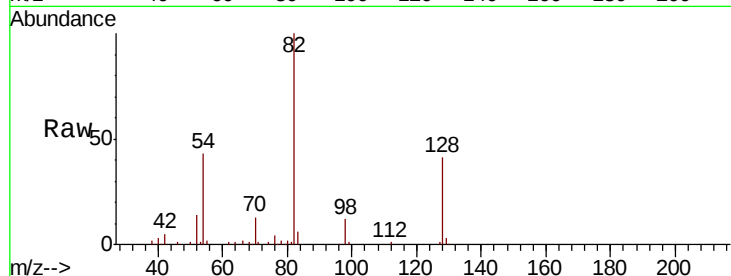




#19
n-Nitroso-di-n-propylamine
Concen: 11.870 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

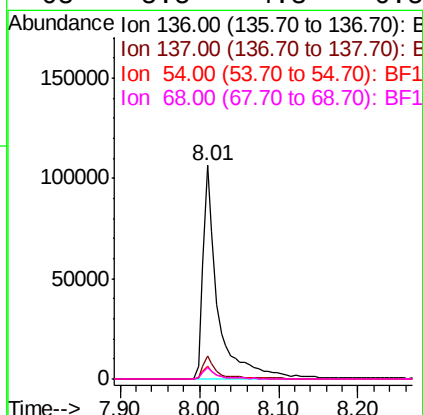
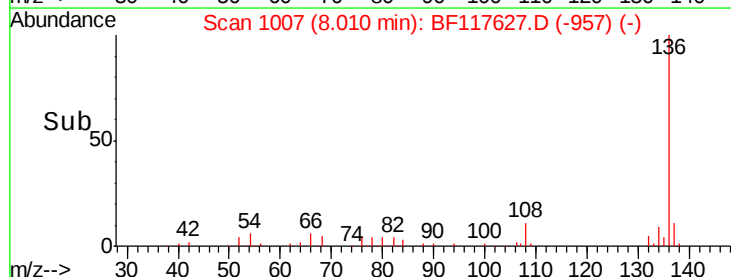
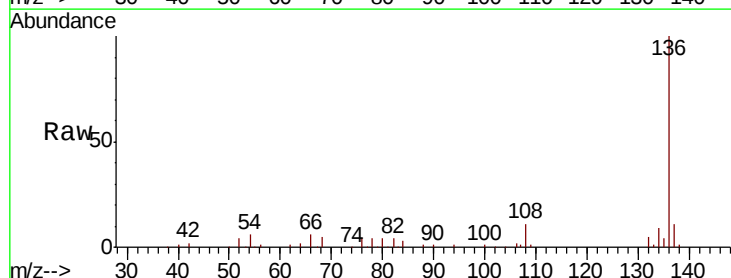
Instrument :
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ClientSampleId :

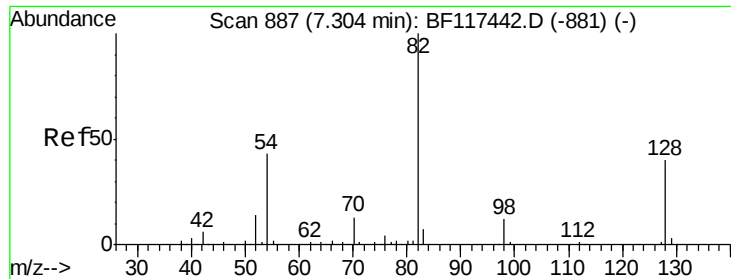
Tot Ion: 70 Resp: 24135
Ion Ratio Lower Upper
70 100
42 38.5 36.7 55.1
101 0.0 8.3 12.5#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

Tgt Ion:136 Resp: 143418
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 6.1 4.5 6.7
68 5.5 4.3 6.5

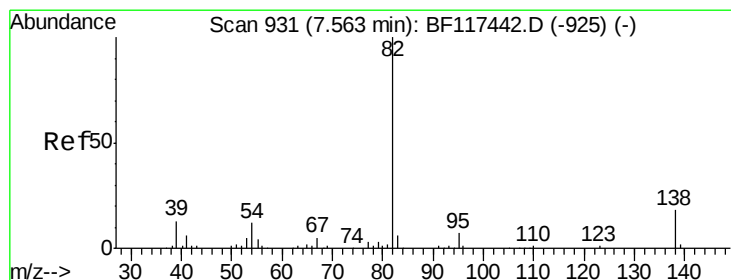
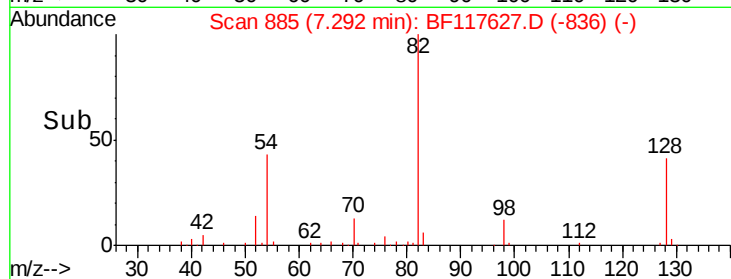
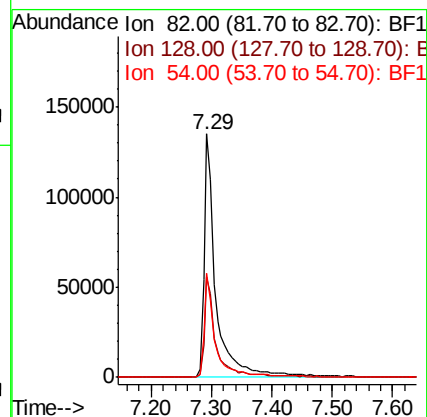
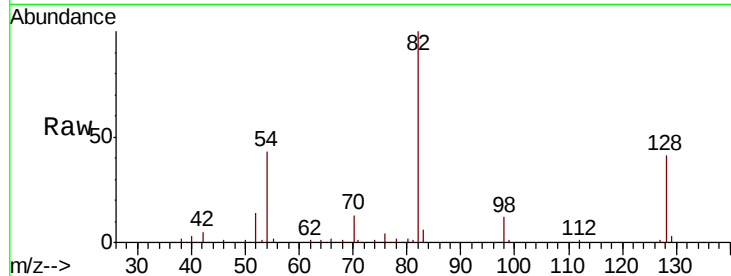




#23
 Nitrobenzene-d5
 Concen: 64.589 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

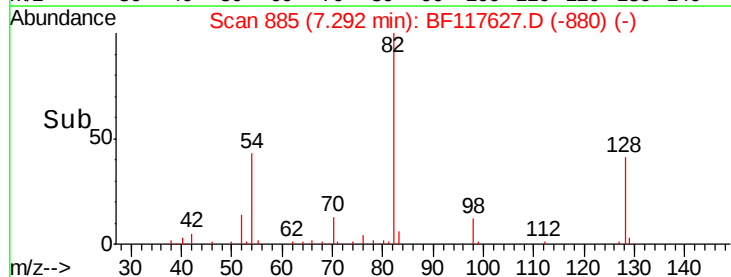
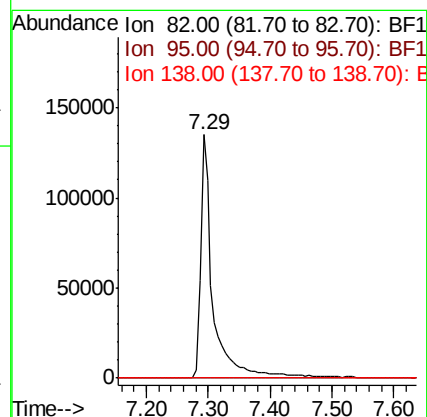
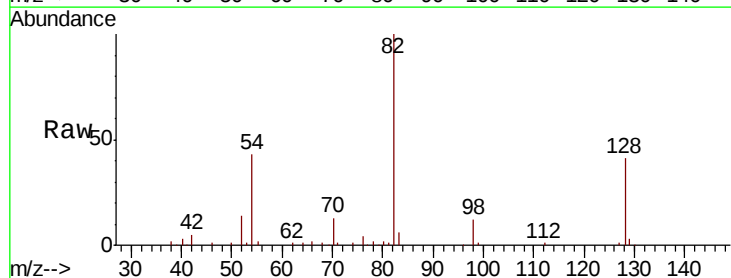
Instrument :
 BNA_F
 ClientSampleId :

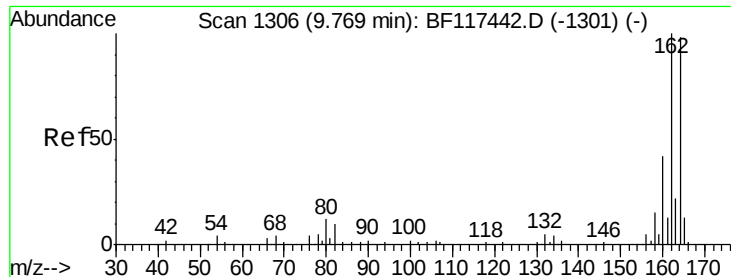
Tot Ion	82	Resp	187636
Ion Ratio	Lower	Upper	
82	100		
128	41.0	32.2	48.2
54	42.9	34.2	51.2



#25
 Isophorone
 Concen: 37.336 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Tgt Ion	82	Resp	187635
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

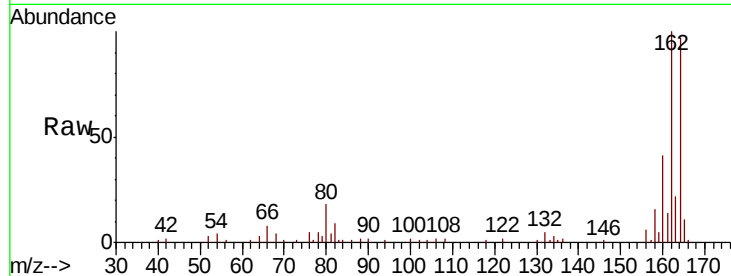




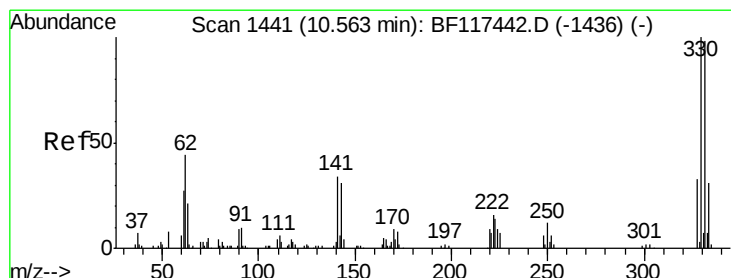
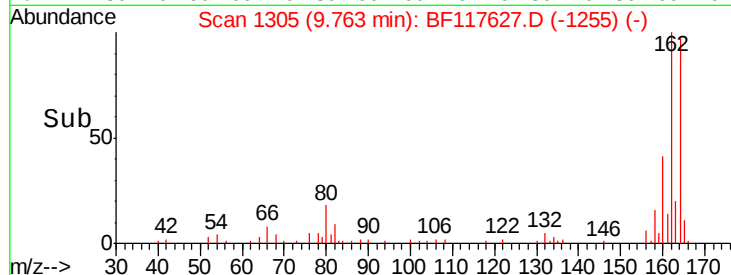
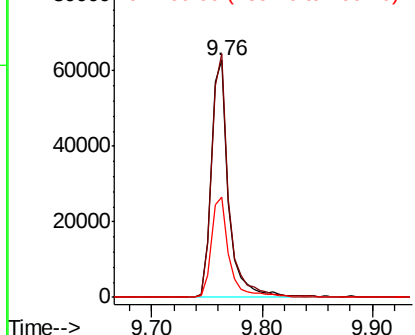
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 66426
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 42.3 34.4 51.6

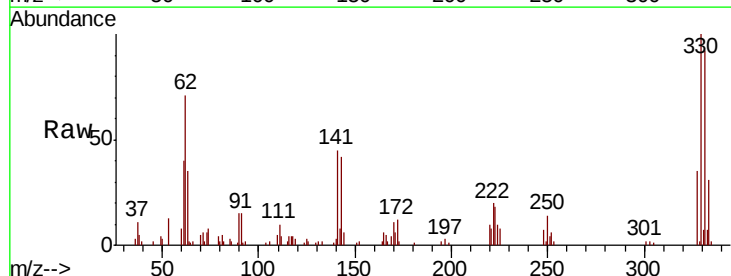


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

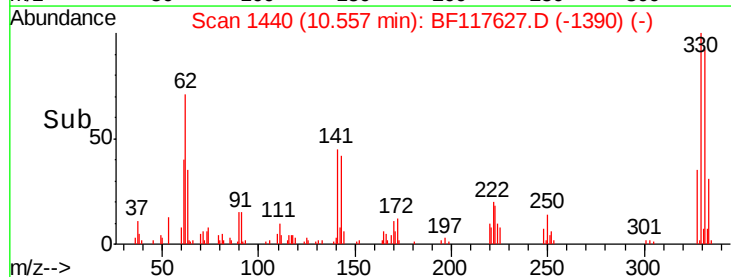
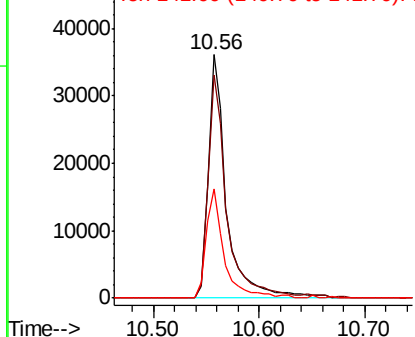


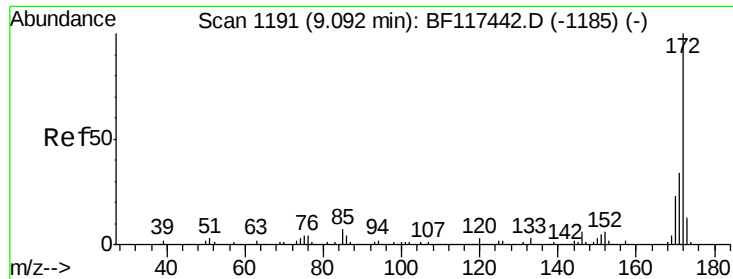
#42
2,4,6-Tribromophenol
Concen: 75.208 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

Tgt Ion:330 Resp: 43226
Ion Ratio Lower Upper
330 100
332 94.0 78.5 117.7
141 44.3 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



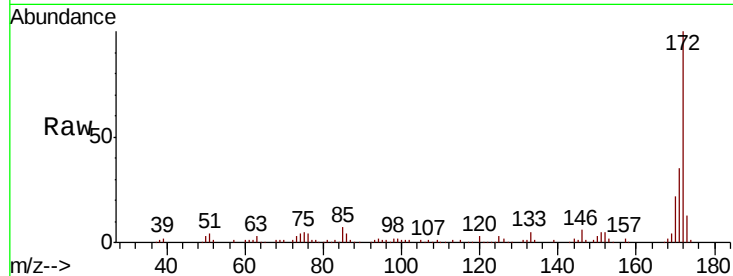


#45
 2-Fluorobiphenyl
 Concen: 48.843 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

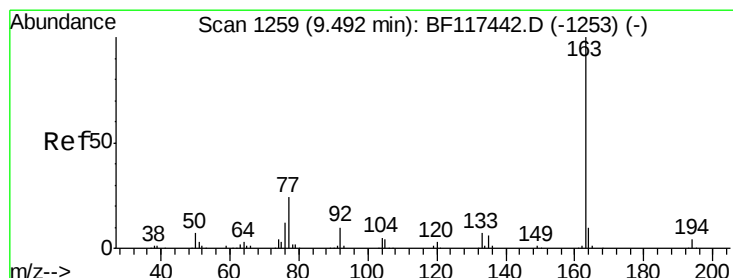
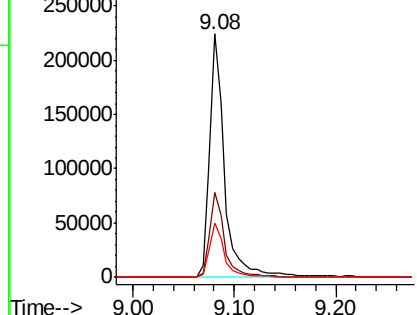
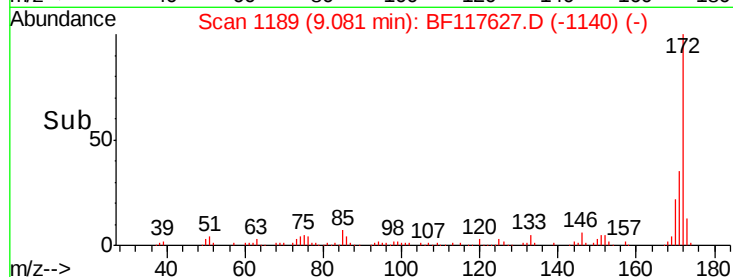
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 230269

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	22.4	18.6	27.8



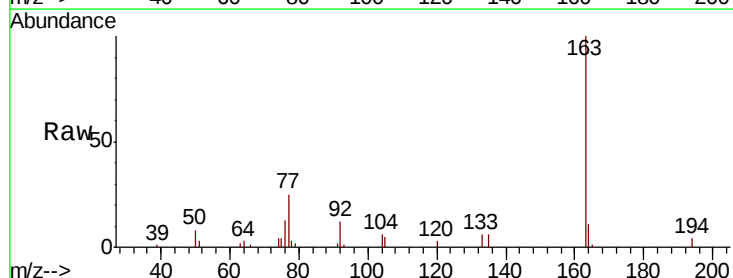
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



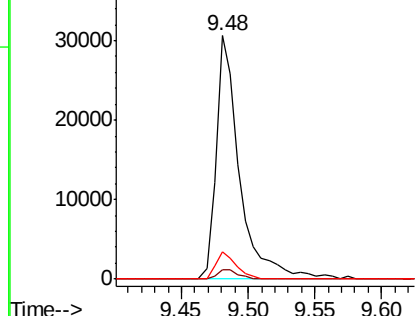
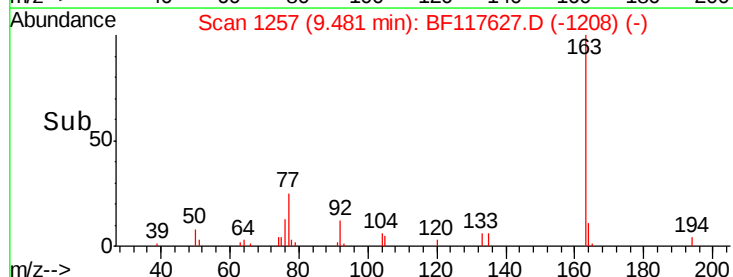
#50
 Dimethylphthalate
 Concen: 7.985 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

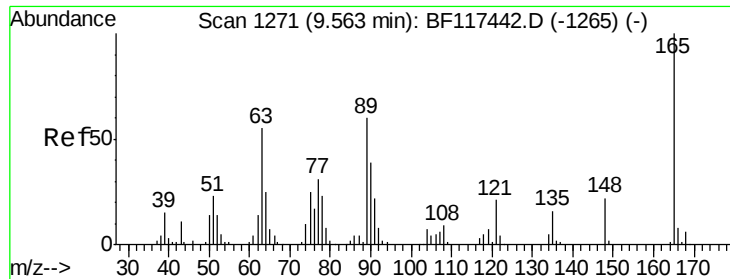
Tgt Ion:163 Resp: 37813

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.9	4.3
164	11.1	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

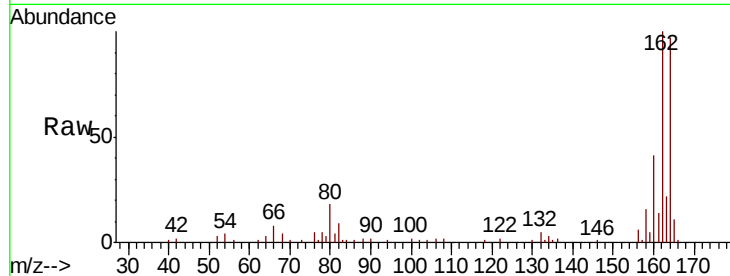




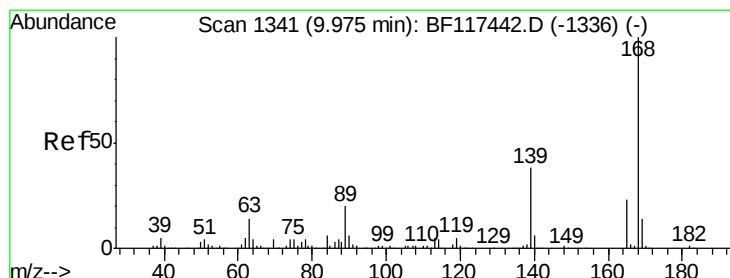
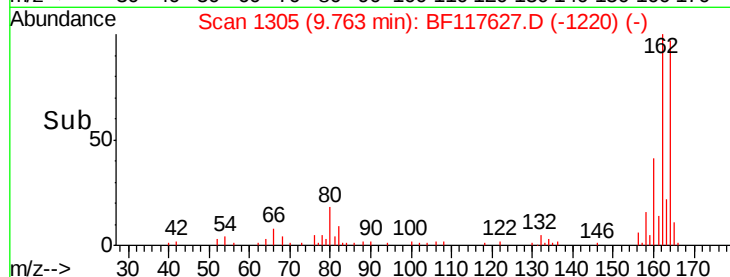
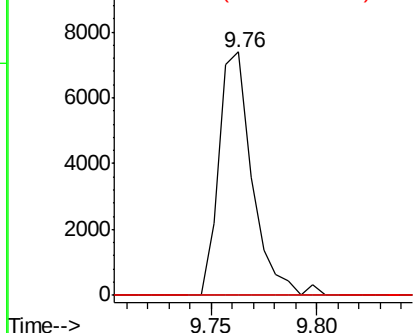
#51
 2,6-Dinitrotoluene
 Concen: 8.196 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

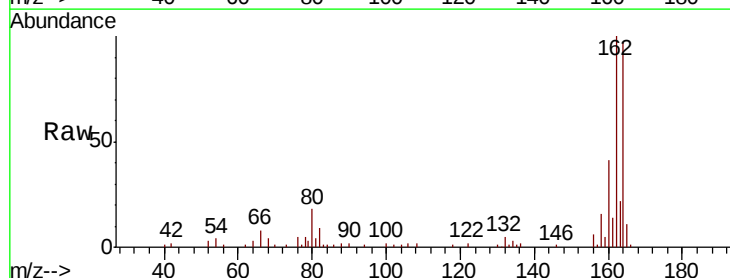


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

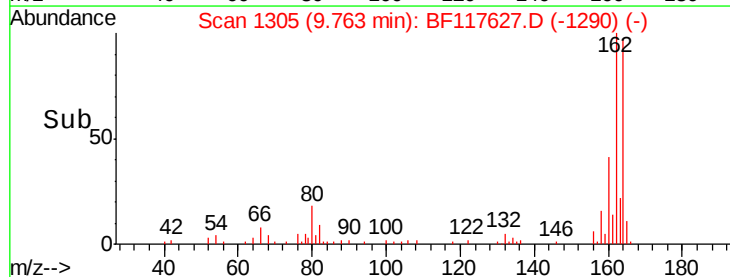
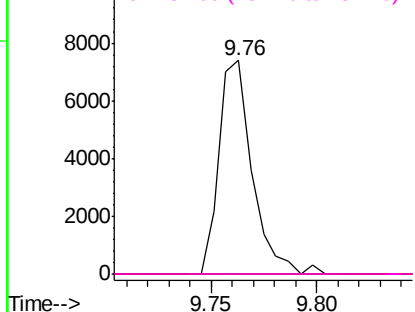


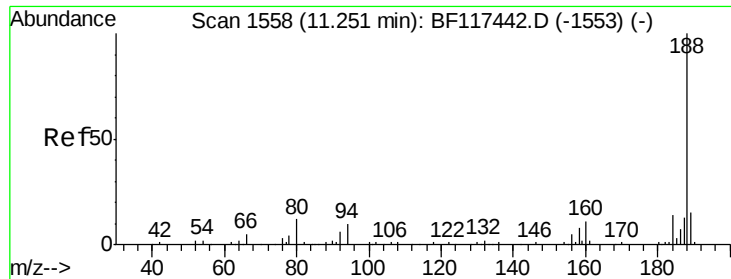
#57
 2,4-Dinitrotoluene
 Concen: 6.165 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	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

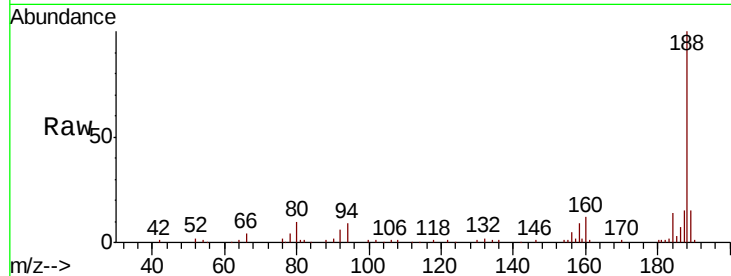




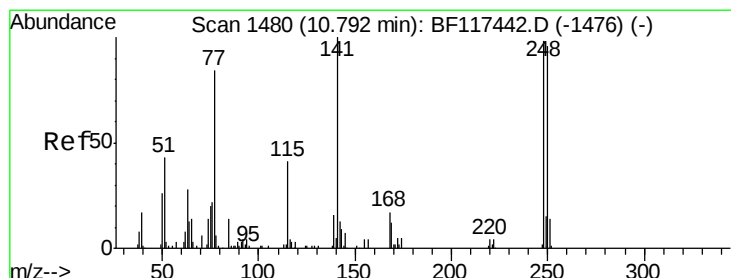
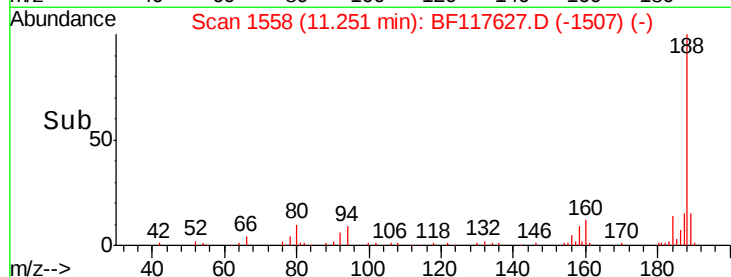
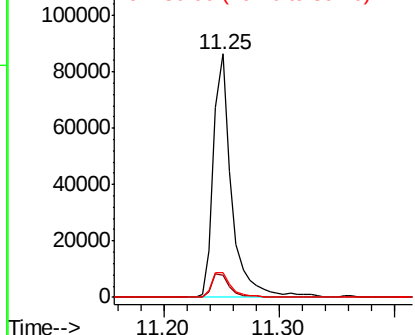
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 94498
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.0 12.0
 80 10.0 9.5 14.3

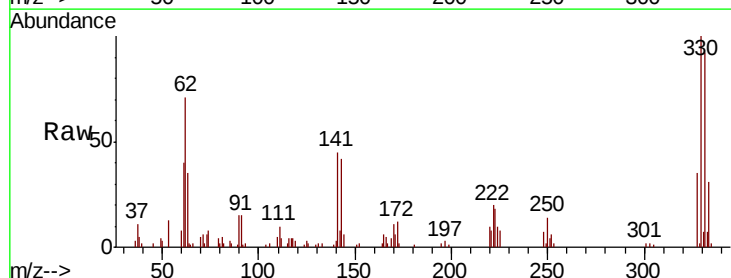


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

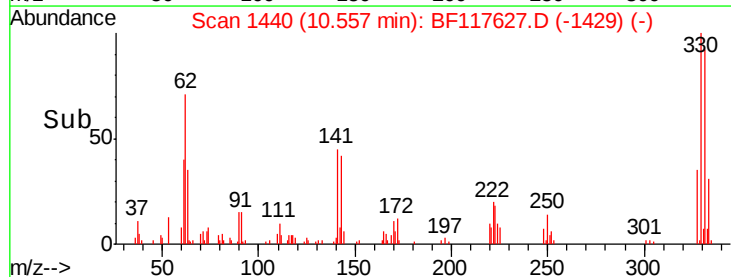
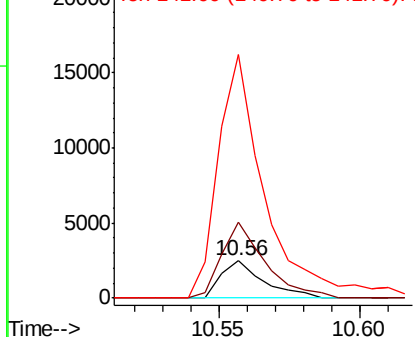


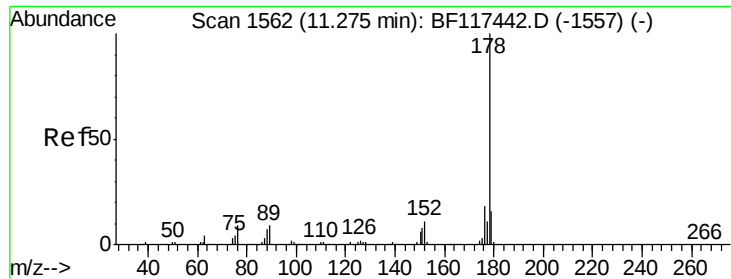
#67
 4-Bromophenyl-phenylether
 Concen: 2.517 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Tgt Ion:248 Resp: 2562
 Ion Ratio Lower Upper
 248 100
 250 204.7 78.0 117.0#
 141 657.6 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: 3.368 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117627.D

Acq: 30 Oct 2019 16:25

Instrument :

BNA_F

ClientSampleId :

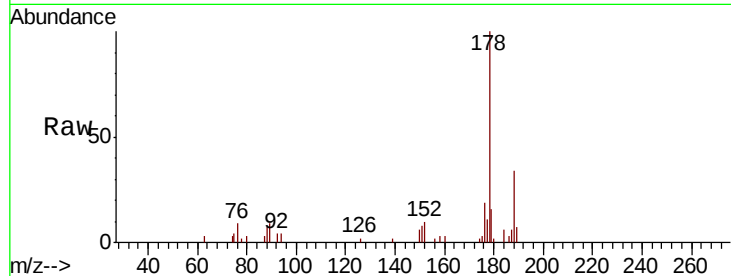
Tot Ion:178 Resp: 18482

Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

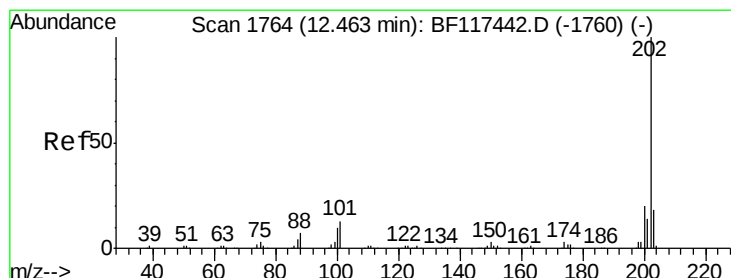
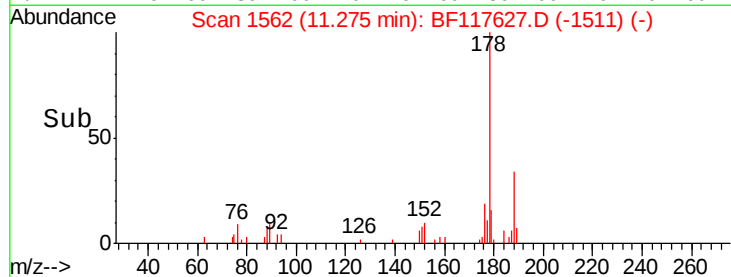
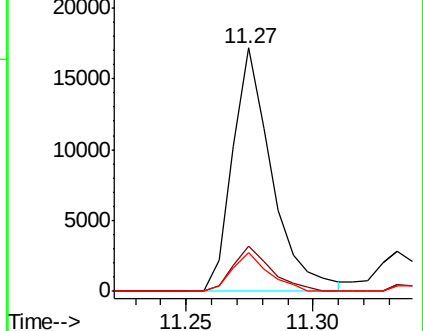
179 15.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.524 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117627.D

Acq: 30 Oct 2019 16:25

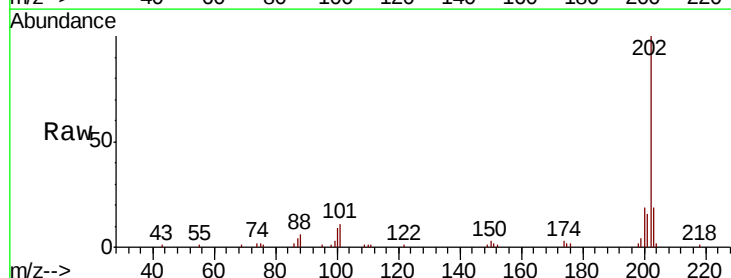
Tgt Ion:202 Resp: 35838

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.7

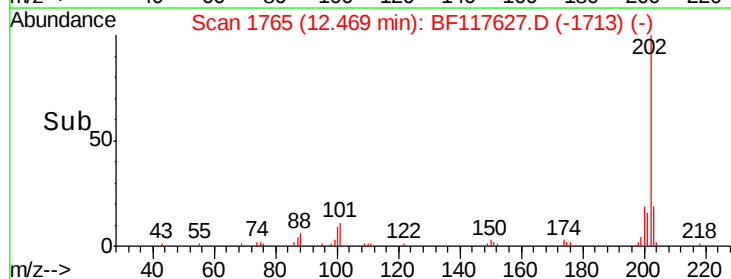
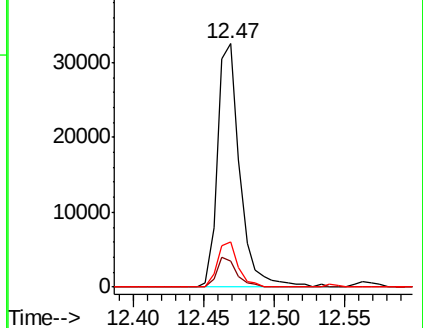
203 18.7 0.0 37.6

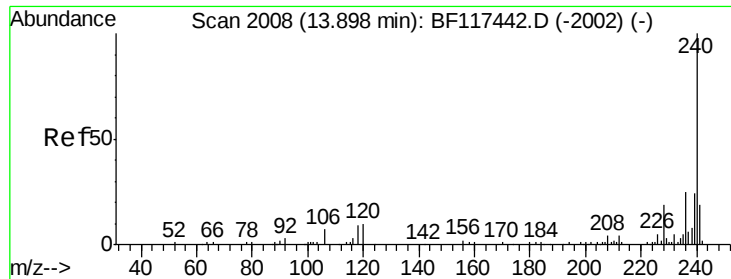


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

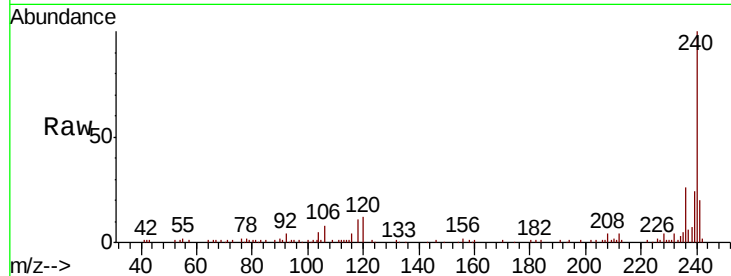




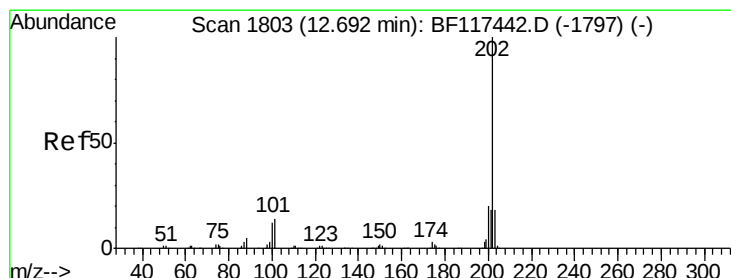
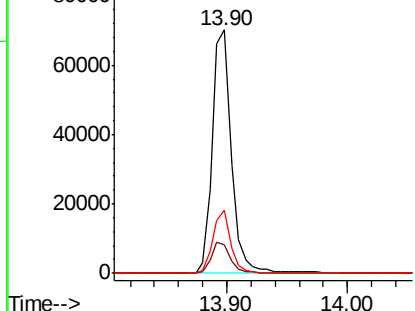
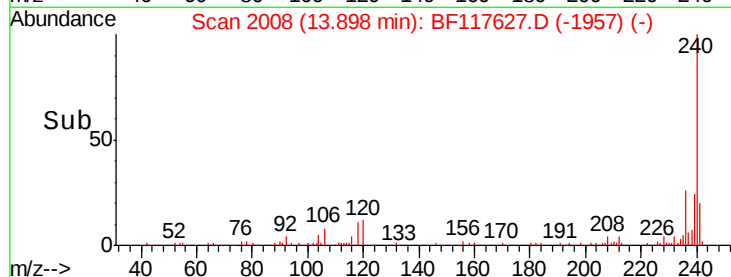
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 76216
Ion Ratio Lower Upper
240 100
120 11.6 8.4 12.6
236 25.8 20.0 30.0

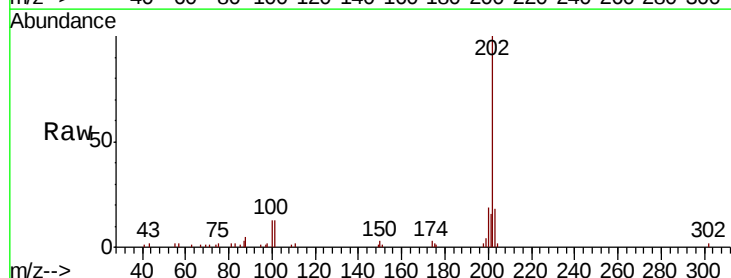


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

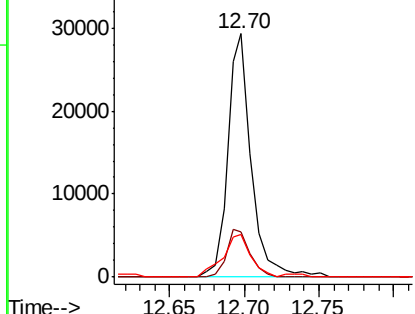
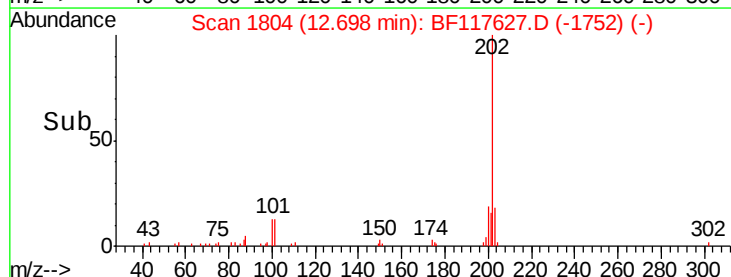


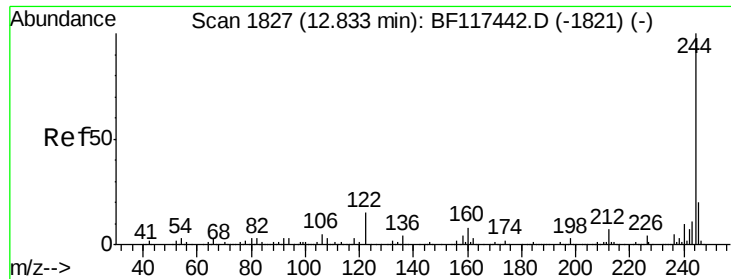
#78
Pyrene
Concen: 4.956 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

Tgt Ion:202 Resp: 32447
Ion Ratio Lower Upper
202 100
200 18.6 16.2 24.2
203 17.5 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: 36.668 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117627.D

Acq: 30 Oct 2019 16:25

Instrument :

BNA_F

ClientSampled :

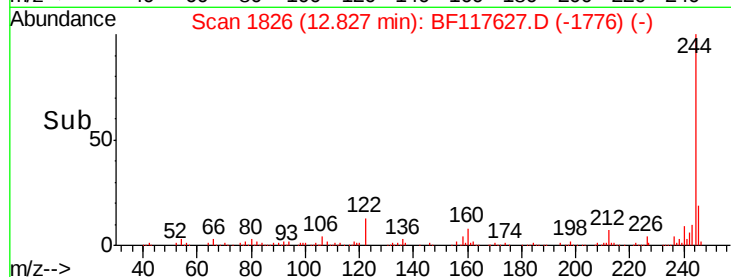
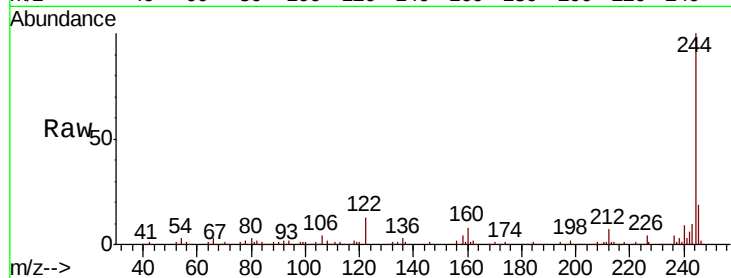
Tot Ion:244 Resp: 171334

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

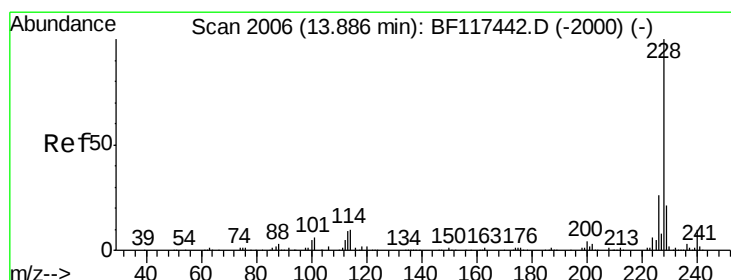
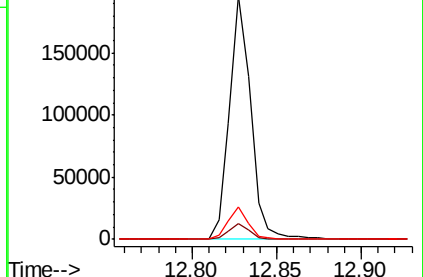
122 13.2 11.8 17.8



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: 2.956 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF117627.D

Acq: 30 Oct 2019 16:25

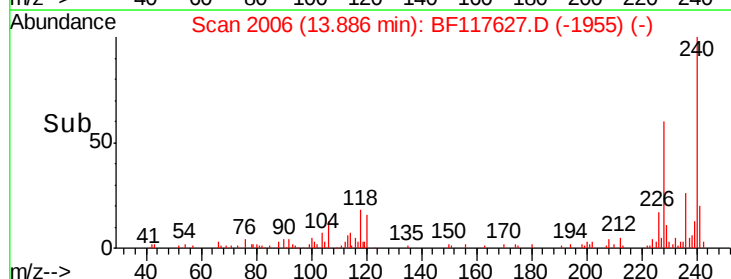
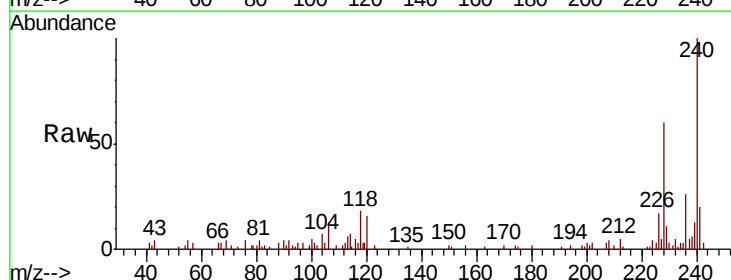
Tgt Ion:228 Resp: 15196

Ion Ratio Lower Upper

228 100

226 28.1 21.0 31.4

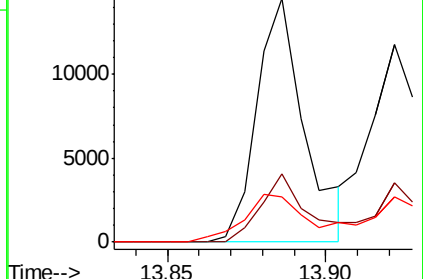
229 18.6 16.4 24.6

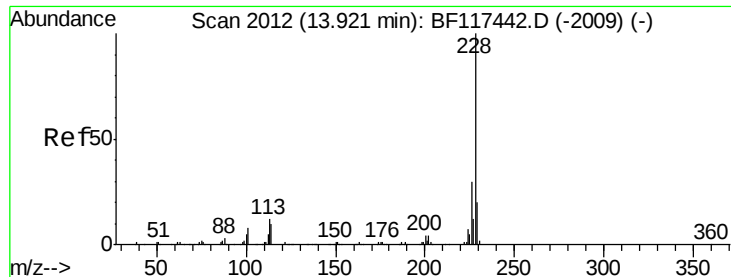


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

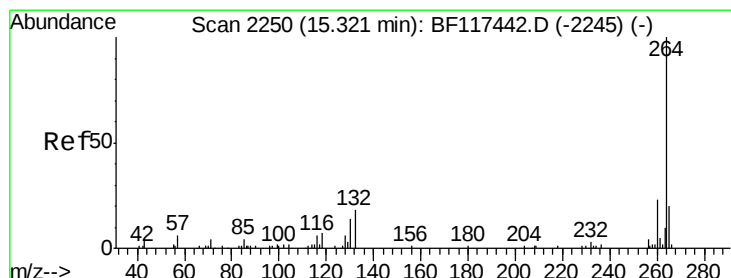
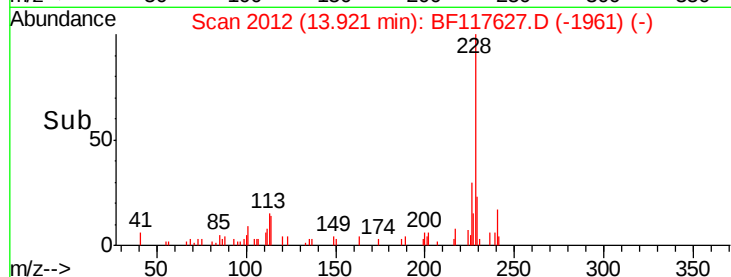
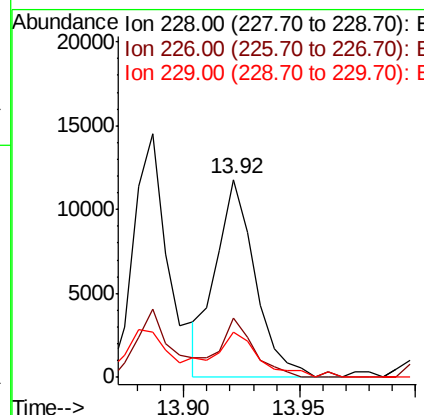
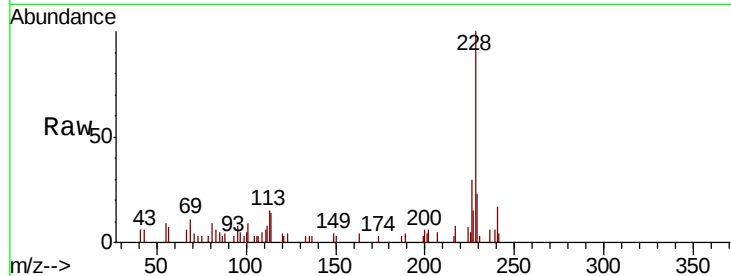




#83
Chrysene
Concen: 2.791 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

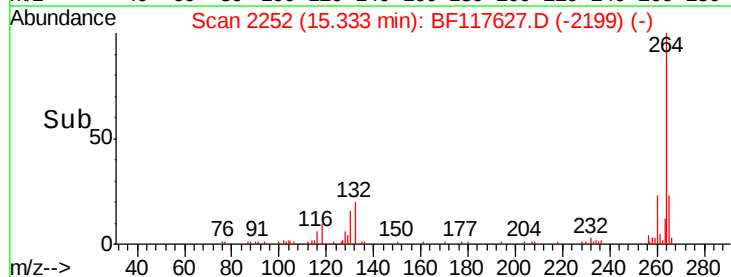
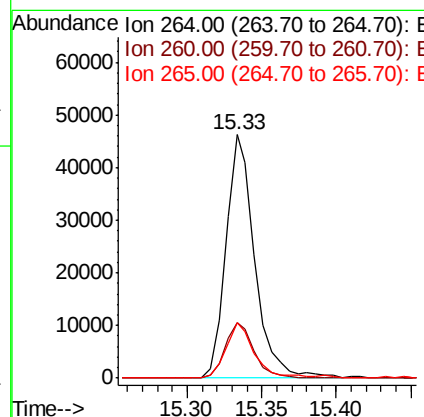
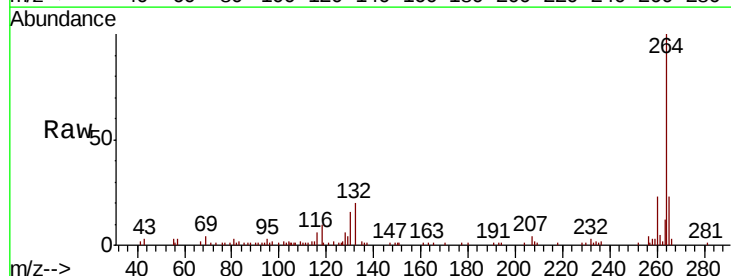
Instrument :
BNA_F
ClientSampleId :

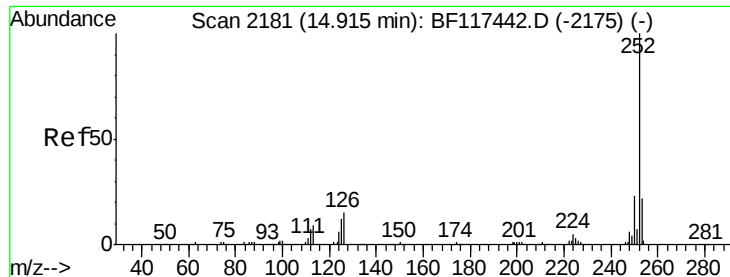
Tot Ion:228 Resp: 14061
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 23.0 15.8 23.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

Tgt Ion:264 Resp: 62528
Ion Ratio Lower Upper
264 100
260 22.6 18.4 27.6
265 22.8 16.1 24.1

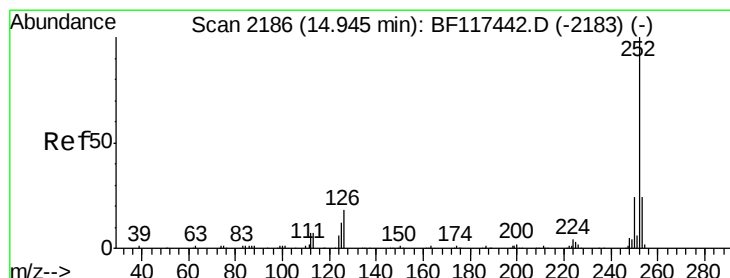
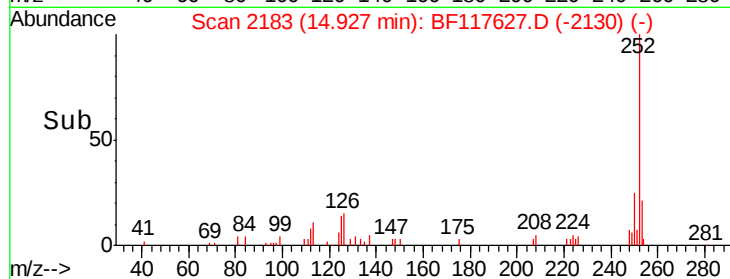
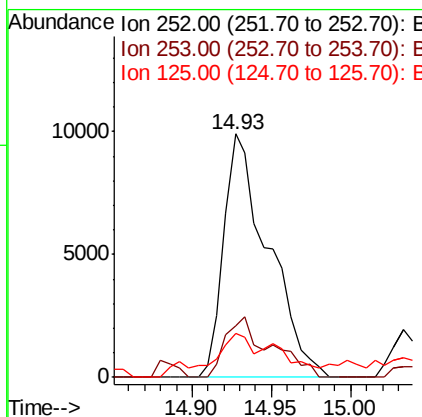
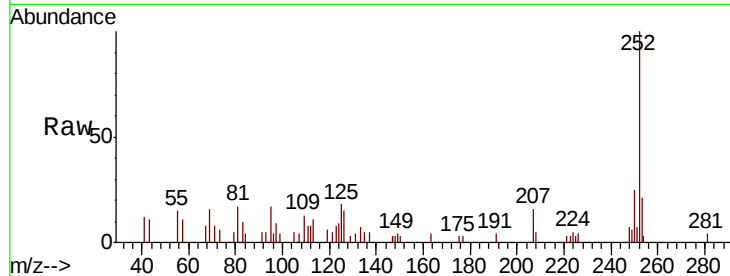




#88
Benzo(b)fluoranthene
Concen: 5.229 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

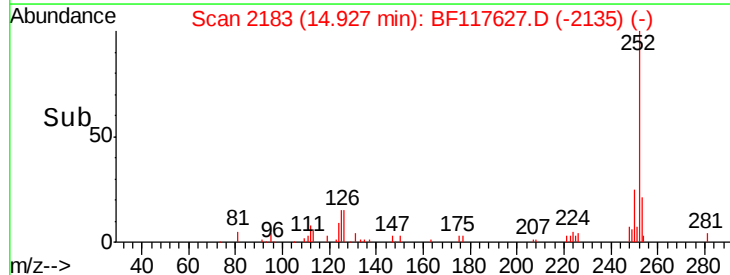
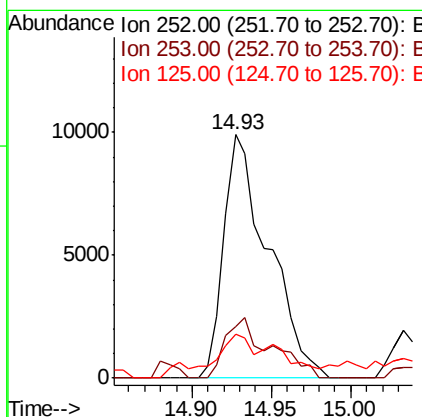
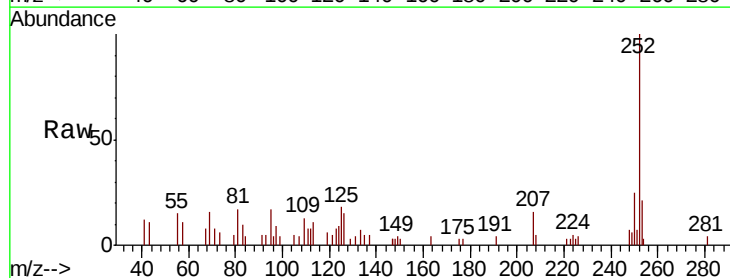
Instrument :
BNA_F
ClientSampleId :

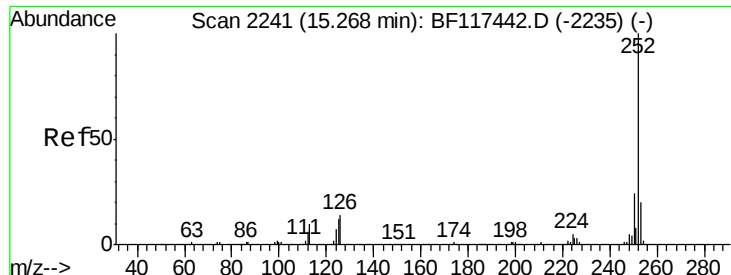
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	18.3	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 5.102 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117627.D
Acq: 30 Oct 2019 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	18.3	8.9	13.3#





#90
 Benzo(a)pyrene
 Concen: 2.931 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF117627.D
 Acq: 30 Oct 2019 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.3	24.5
125	13.8	9.2	13.8

