

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117973.D
 Acq On : 23 Nov 2019 22:50
 Operator : JU
 Sample : K5670-09 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 25 07:55:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	146300	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	498116	20.00	ng	-0.02
39) Acenaphthene-d10	9.96	164	274675	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	600630	20.00	ng	-0.02
76) Chrysene-d12	14.10	240	350460	20.00	ng	-0.02
87) Perylene-d12	15.61	264	445888	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	140039	16.94	ng	-0.03
7) Phenol-d6	6.52	99	206926	20.76	ng	-0.03
23) Nitrobenzene-d5	7.46	82	114005	13.61	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	59126	20.33	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	279617	18.26	ng	-0.02
79) Terphenyl-d14	13.03	244	256533	13.38	ng	-0.02

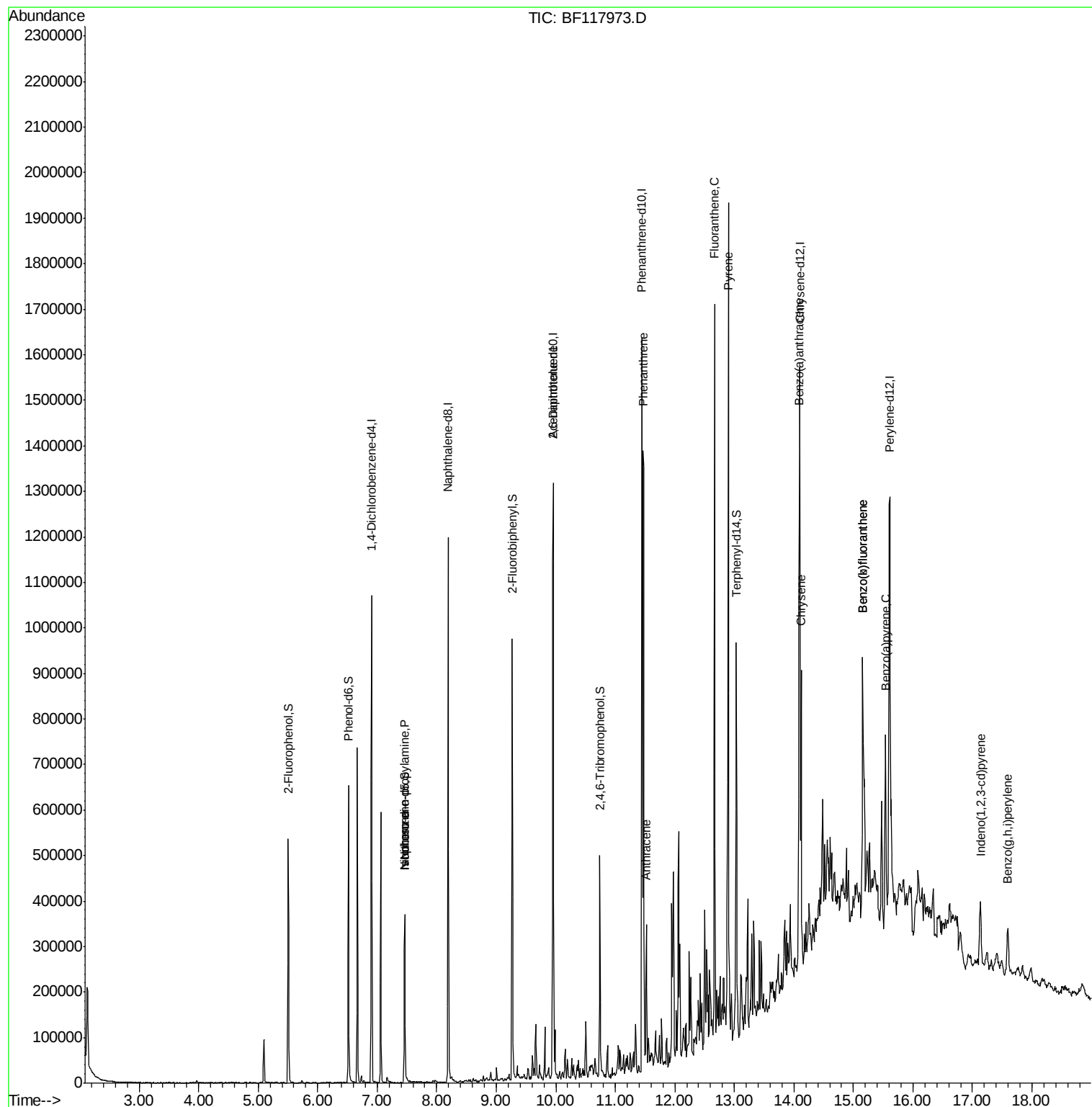
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	251	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.46	70	15050	2.447	ng	# 74
25) Isophorone	7.46	82	114003	7.423	ng	# 62
51) 2,6-Dinitrotoluene	9.96	165	37159	8.827	ng	# 24
71) Phenanthrene	11.47	178	524698	17.375	ng	96
72) Anthracene	11.52	178	109169	3.646	ng	96
75) Fluoranthene	12.67	202	649014	19.305	ng	97
78) Pyrene	12.90	202	703859	24.852	ng	98
81) Benzo(a)anthracene	14.09	228	233122	10.066	ng	94
83) Chrysene	14.12	228	228485	10.182	ng	97
86) Indeno(1,2,3-cd)pyrene	17.13	276	91126	4.771	ng	96
88) Benzo(b)fluoranthene	15.16	252	399419	13.788	ng	98
89) Benzo(k)fluoranthene	15.16	252	399419	14.633	ng	97
90) Benzo(a)pyrene	15.54	252	195125	7.660	ng	99
92) Benzo(a,h,i)perylene	17.59	276	89271	4.088	ng	97

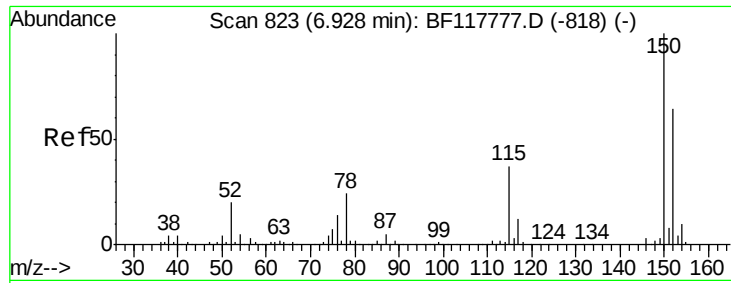
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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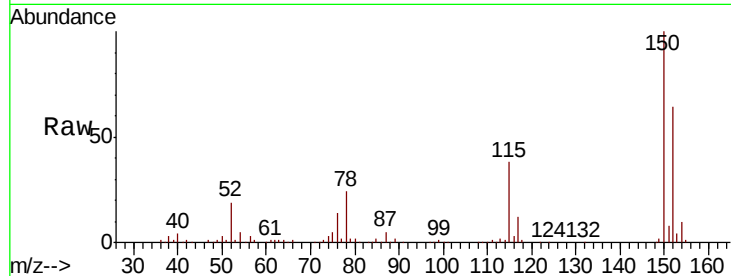




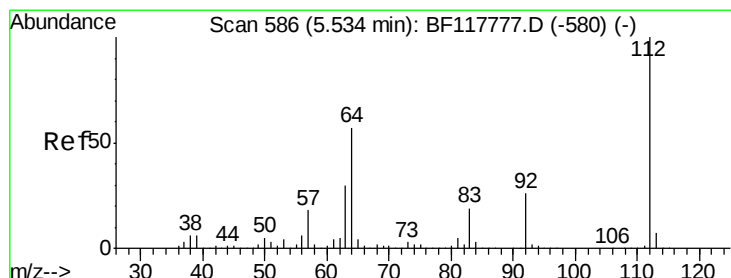
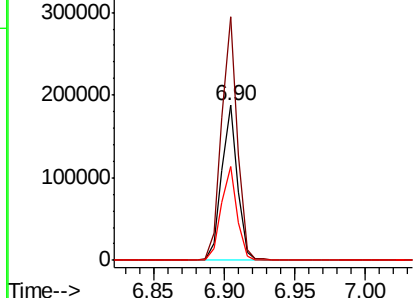
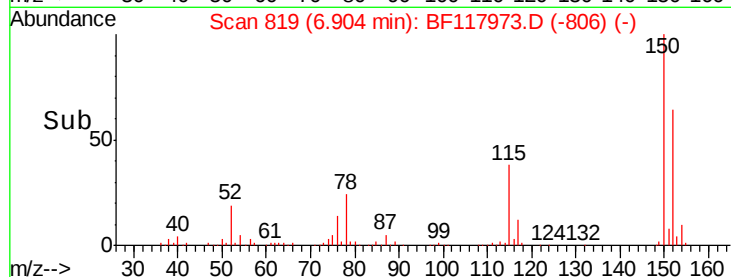
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF117973.D
 Acq: 23 Nov 2019 22:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 146300
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.3 187.9
 115 60.4 47.0 70.4

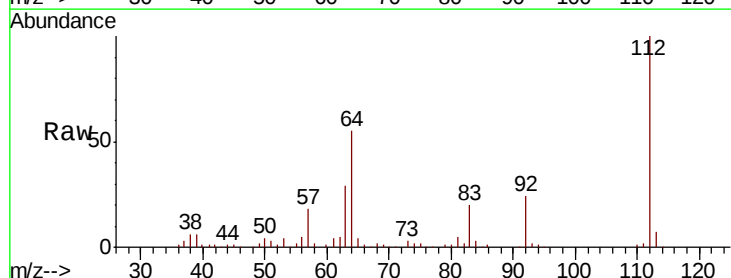


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

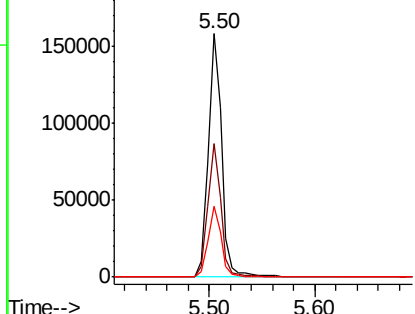
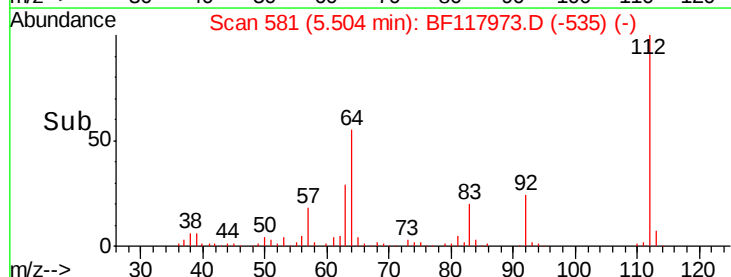


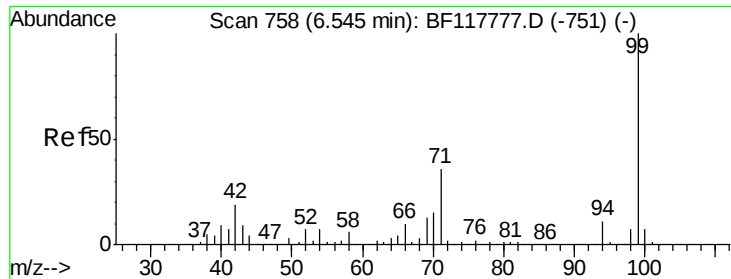
#5
 2-Fluorophenol
 Concen: 16.944 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.03 min
 Lab File: BF117973.D
 Acq: 23 Nov 2019 22:50

Tgt Ion:112 Resp: 140039
 Ion Ratio Lower Upper
 112 100
 64 54.8 45.6 68.4
 63 29.2 24.1 36.1



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

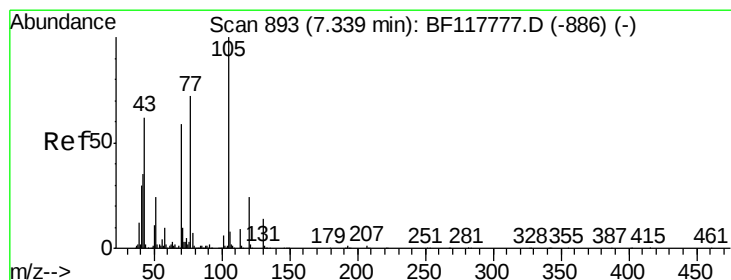
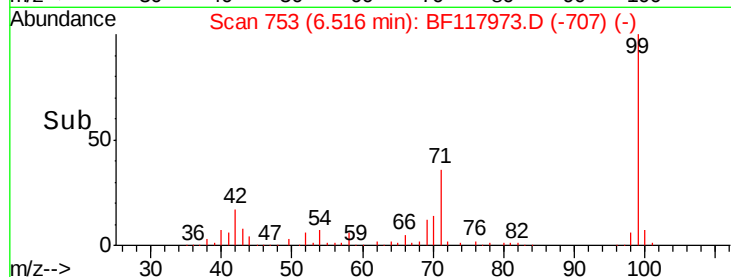
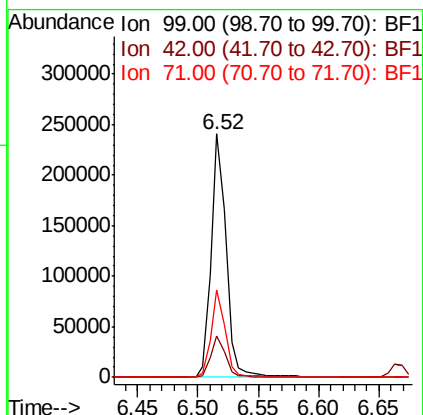
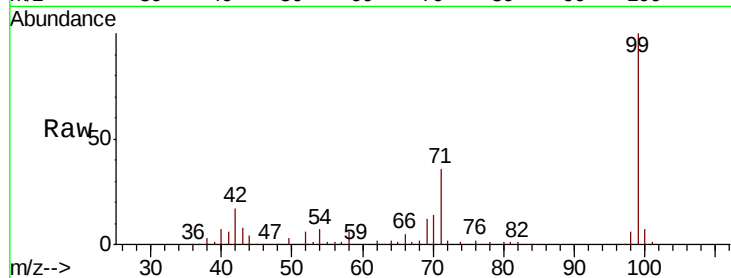




#7
Phenol-d6
Concen: 20.757 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.03 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

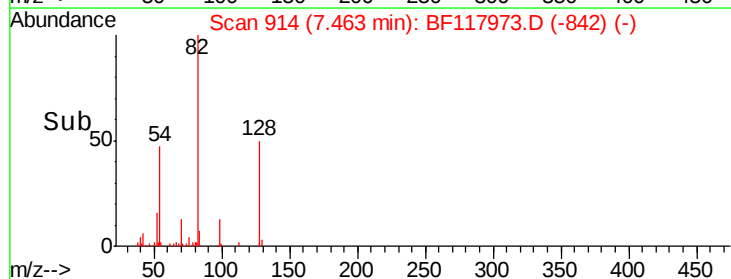
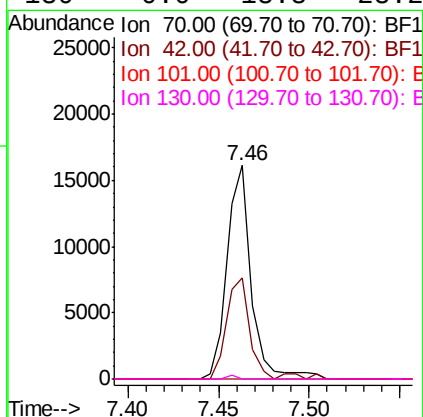
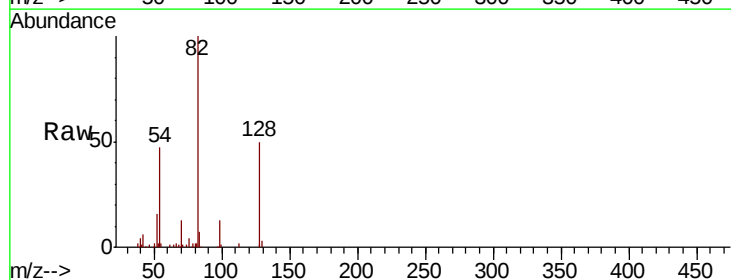
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.9	22.3
71	35.7	28.6	43.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.447 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.12 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
70	100		
42	47.1	47.4	71.2#
101	0.0	8.4	12.6#
130	0.0	18.8	28.2#

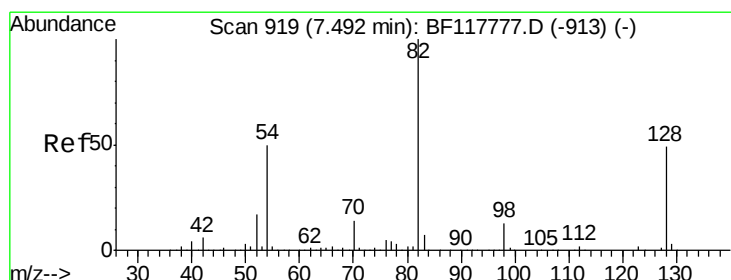
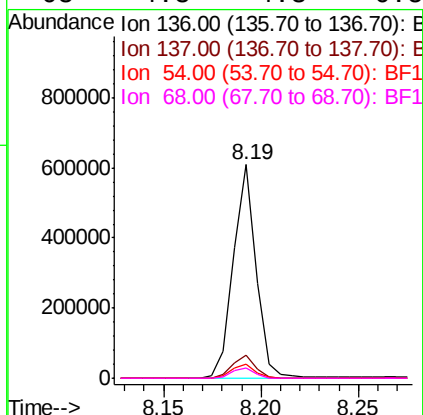
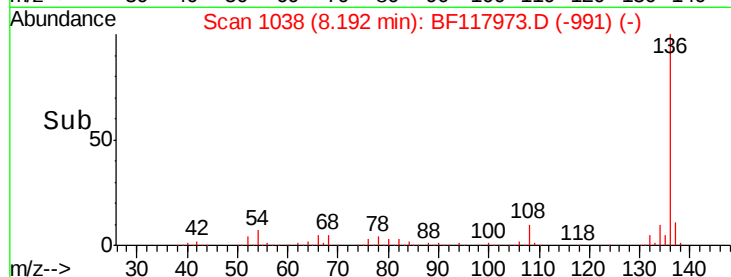
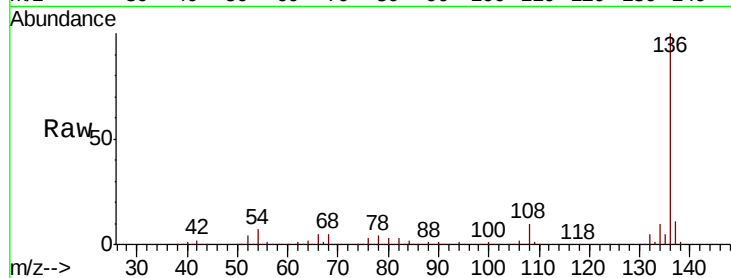




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

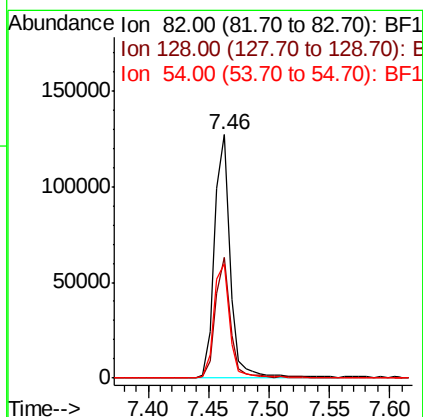
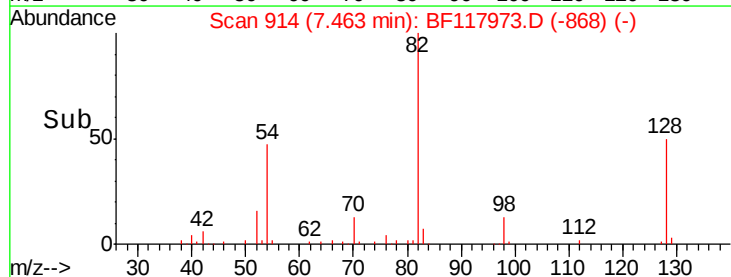
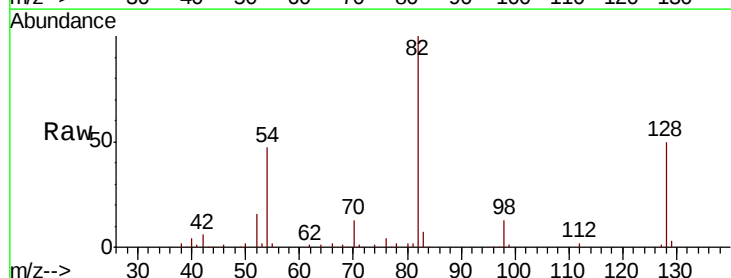
Instrument :
BNA_F
ClientSampleId :

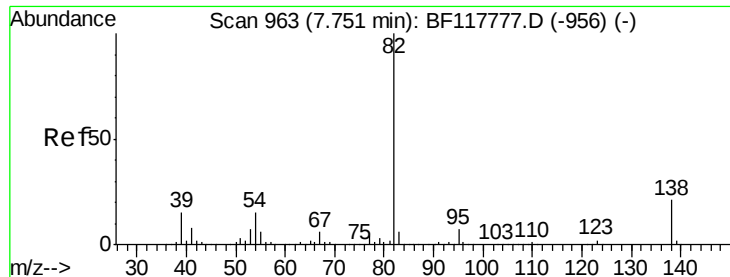
Tot Ion:136	Resp:	498116
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	6.6	5.4 8.2
68	4.8	4.3 6.5



#23
Nitrobenzene-d5
Concen: 13.606 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion: 82	Resp:	114005
Ion Ratio	Lower	Upper
82	100	
128	49.7	38.9 58.3
54	47.0	39.8 59.6





#25

Isophorone

Concen: 7.423 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.29 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

ClientSampleId :

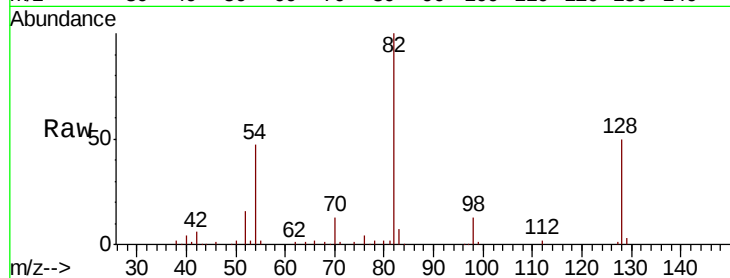
Tot Ion: 82 Resp: 114003

Ion Ratio Lower Upper

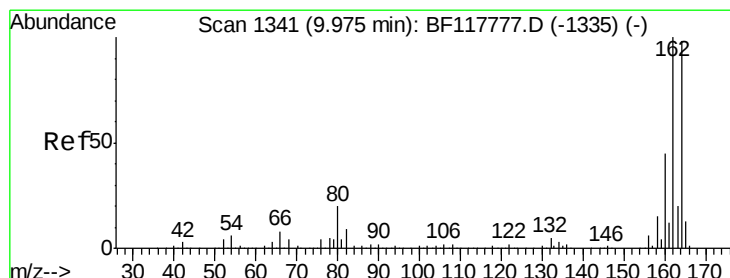
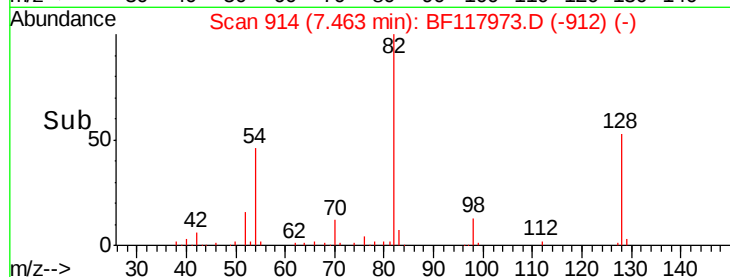
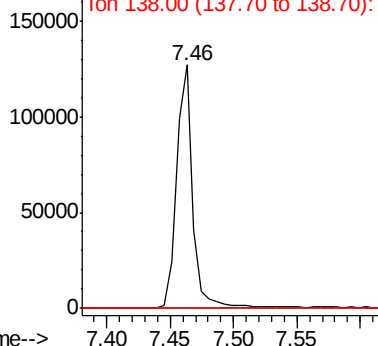
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

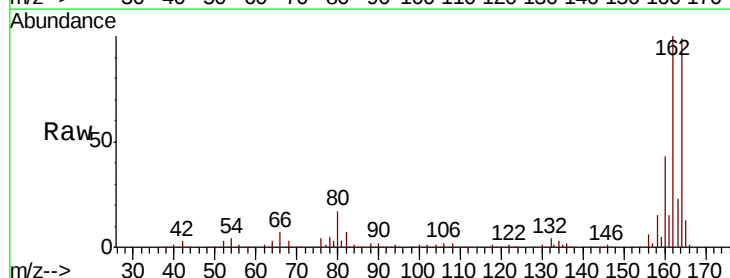
Tgt Ion:164 Resp: 274675

Ion Ratio Lower Upper

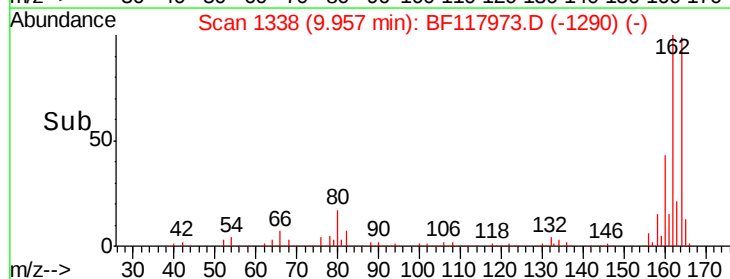
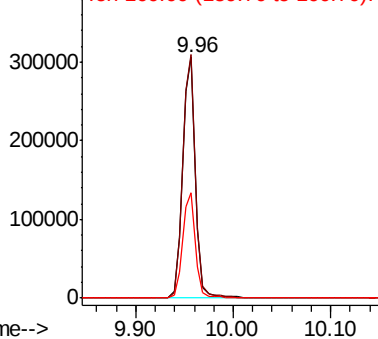
164 100

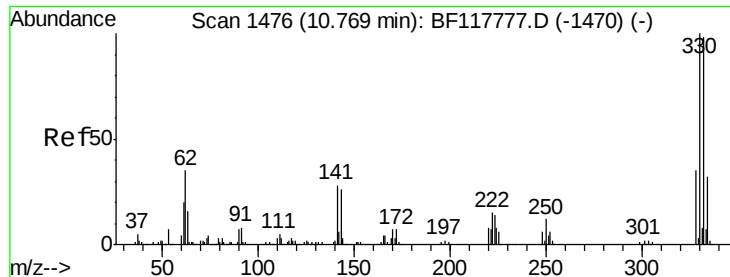
162 101.2 81.3 121.9

160 43.6 36.6 55.0



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: 20.333 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

ClientSampleId :

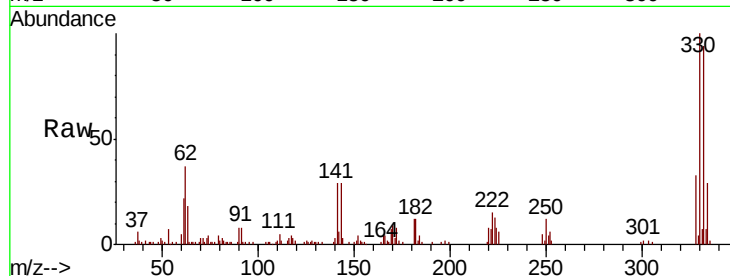
Tot Ion:330 Resp: 59126

Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

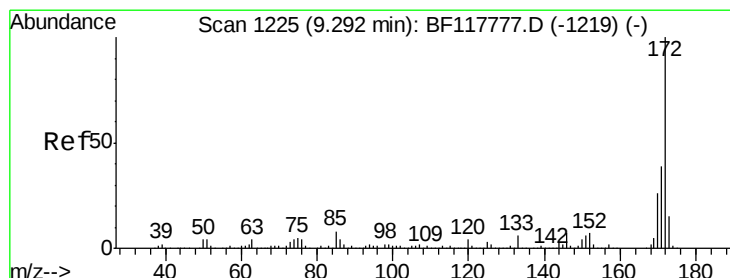
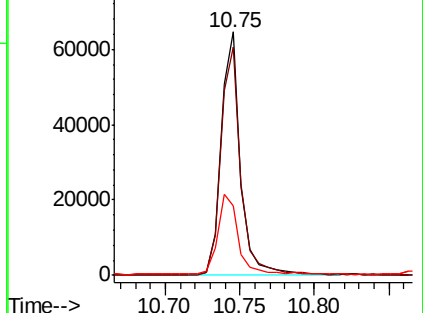
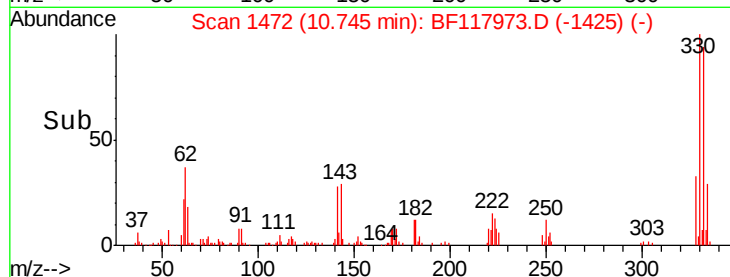
141 39.3 27.7 41.5



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: 18.263 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

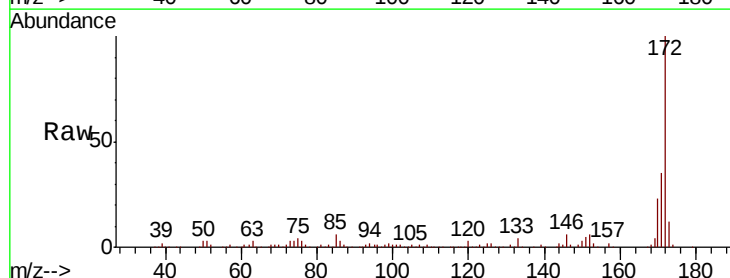
Tgt Ion:172 Resp: 279617

Ion Ratio Lower Upper

172 100

171 35.2 30.9 46.3

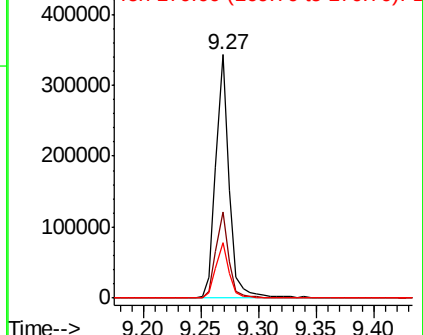
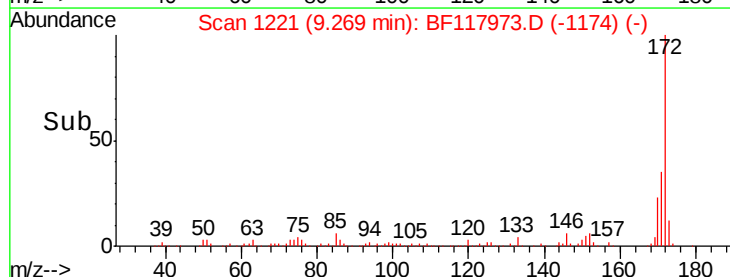
170 22.9 21.0 31.4

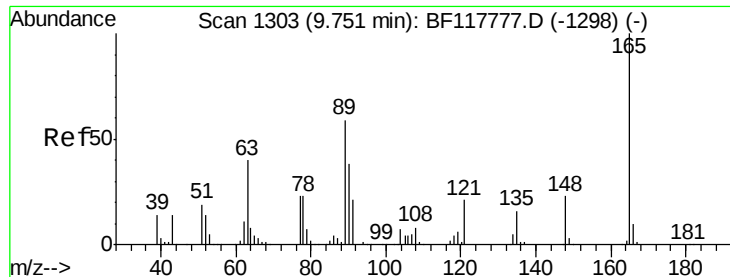


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.827 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.21 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

ClientSampleId :

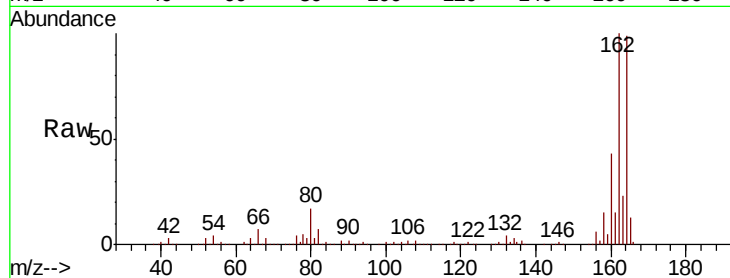
Tot Ion:165 Resp: 37159

Ion Ratio Lower Upper

165 100

63 1.3 46.0 69.0#

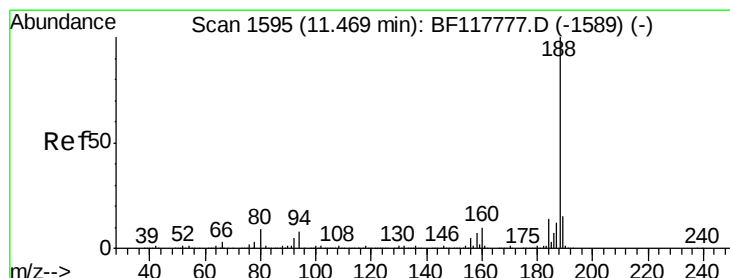
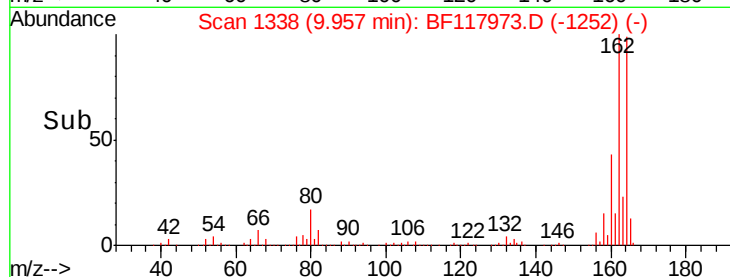
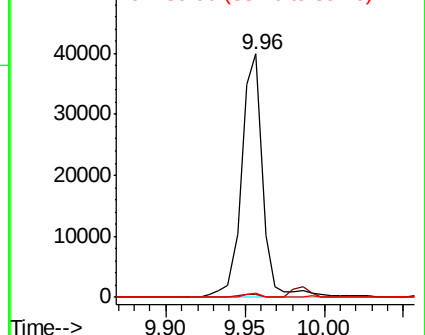
89 1.6 47.7 71.5#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

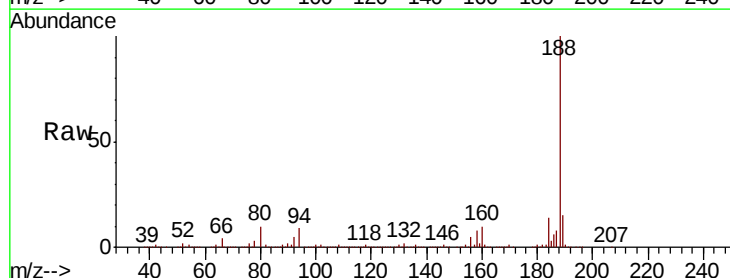
Tgt Ion:188 Resp: 600630

Ion Ratio Lower Upper

188 100

94 9.4 6.6 10.0

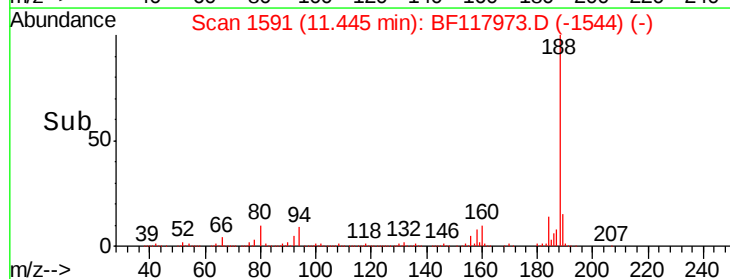
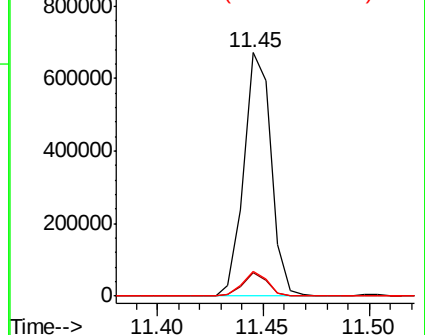
80 10.1 7.2 10.8

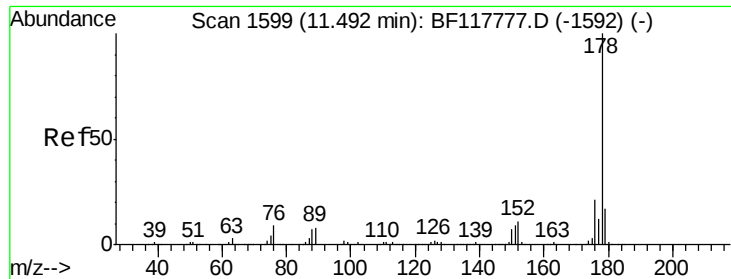


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

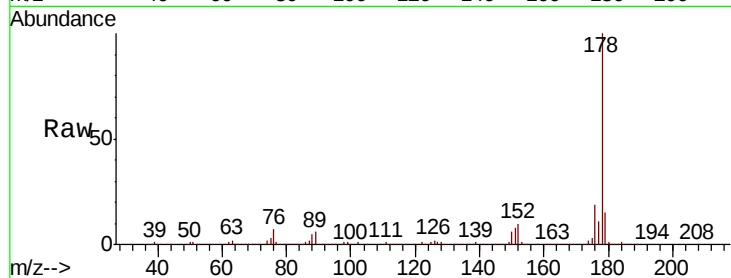




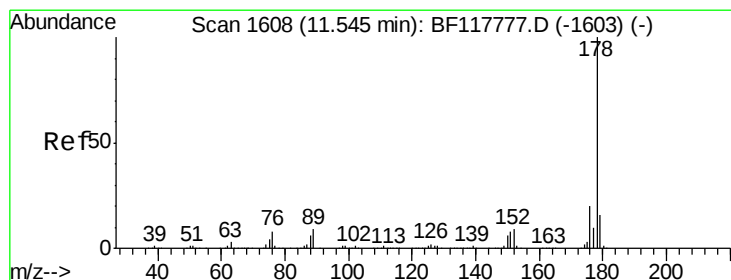
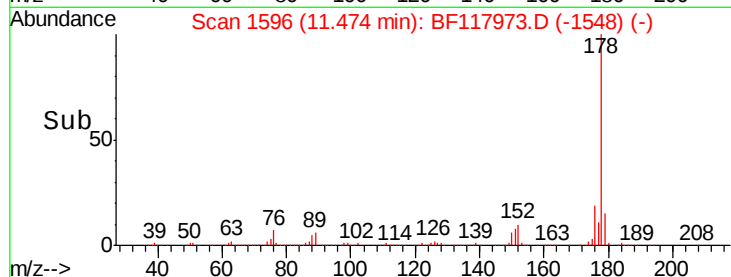
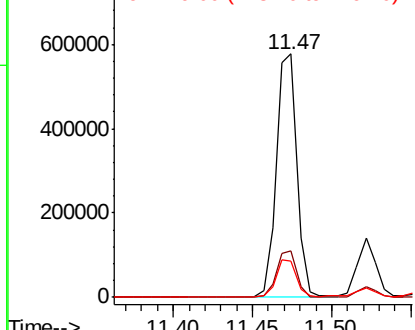
#71
Phenanthrene
Concen: 17.375 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 524698
Ion Ratio Lower Upper
178 100
176 19.2 16.6 25.0
179 14.7 13.2 19.8

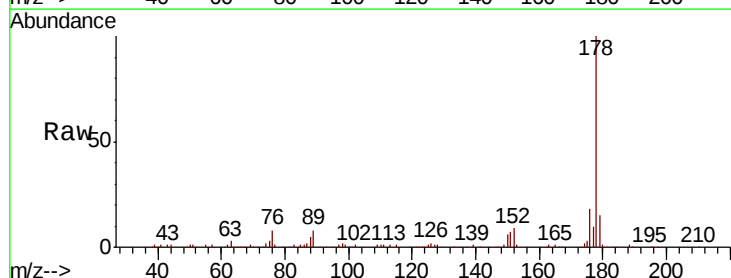


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

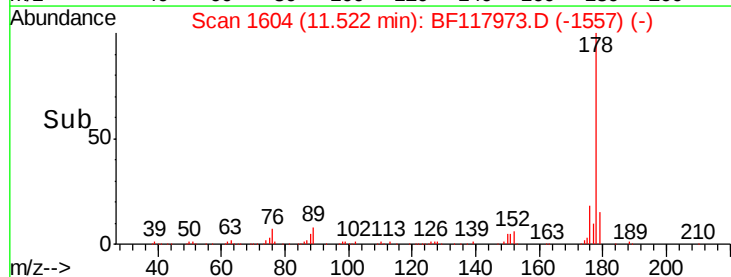
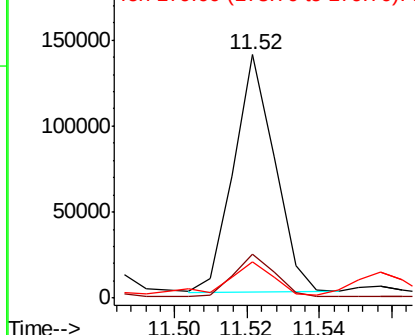


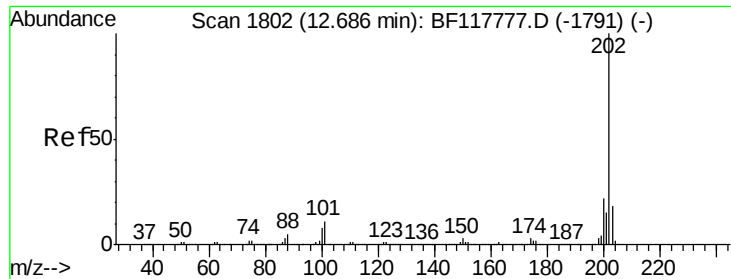
#72
Anthracene
Concen: 3.646 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion:178 Resp: 109169
Ion Ratio Lower Upper
178 100
176 18.0 16.1 24.1
179 15.0 13.0 19.4



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: 19.305 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

ClientSampled :

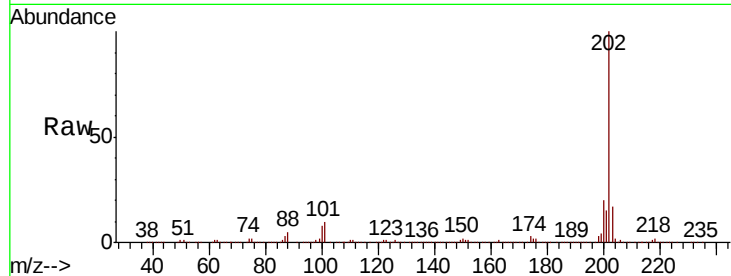
Tot Ion:202 Resp: 649014

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.1

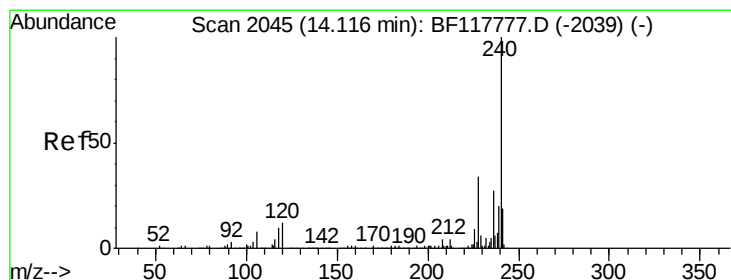
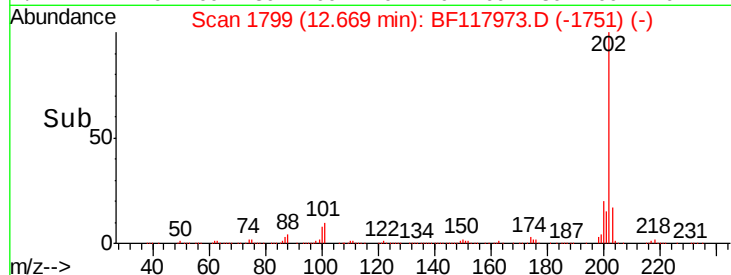
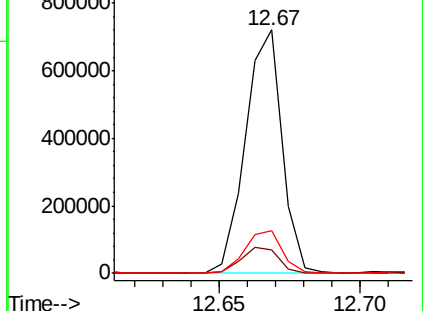
203 17.4 0.0 38.2



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: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

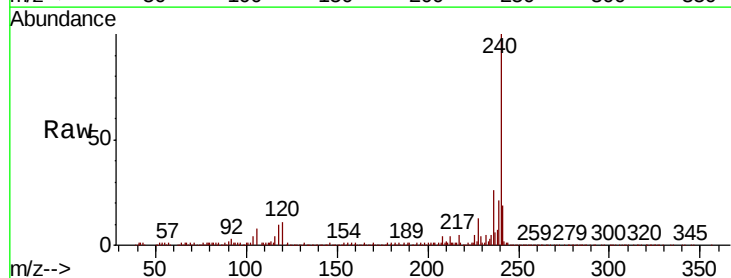
Tgt Ion:240 Resp: 350460

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

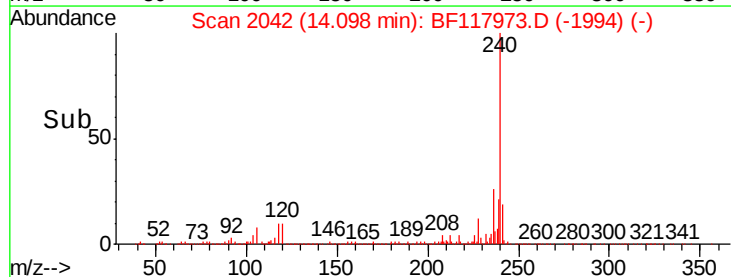
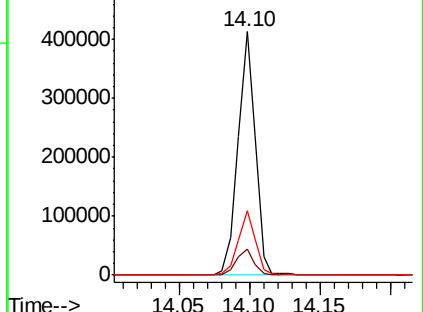
236 26.3 21.3 31.9

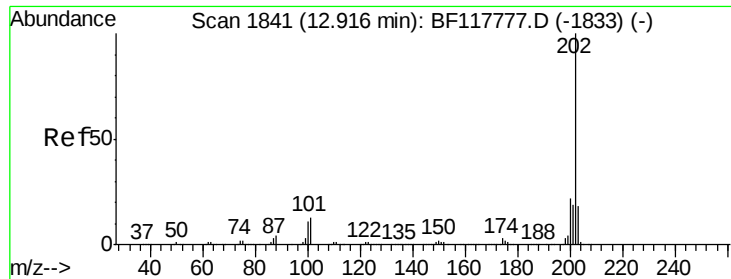


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

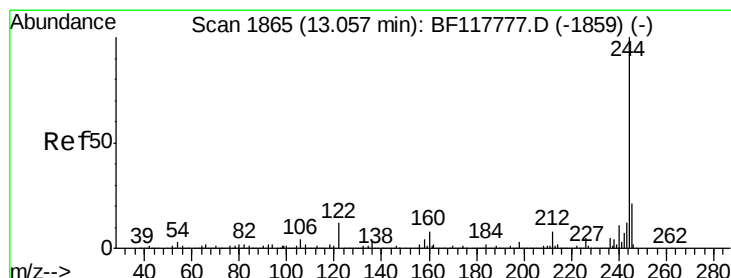
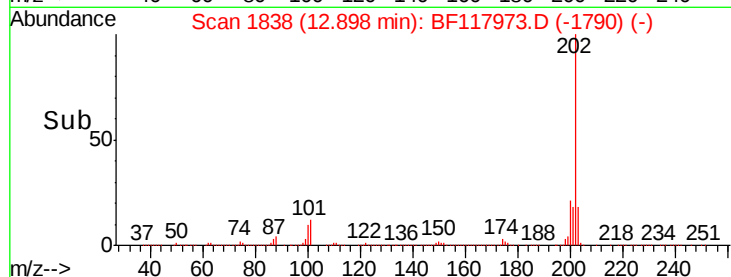
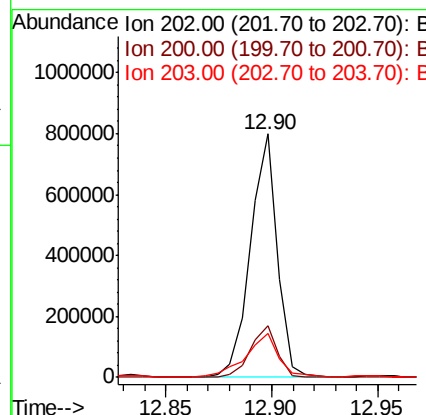
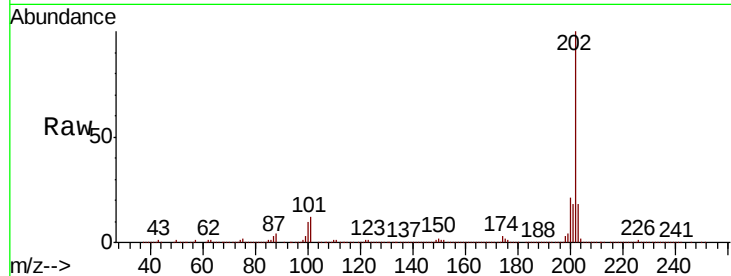




#78
Pvrene
Concen: 24.852 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

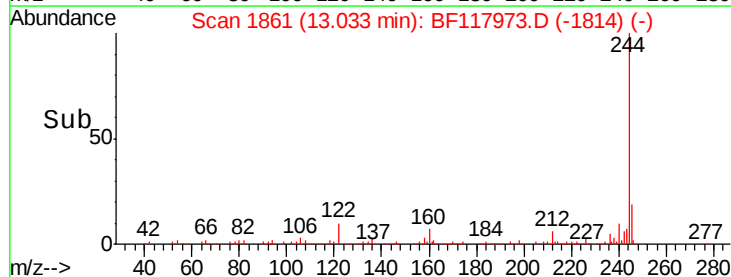
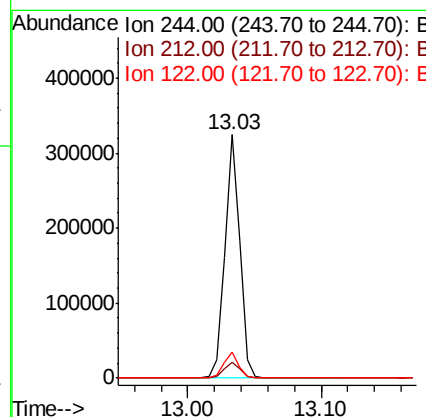
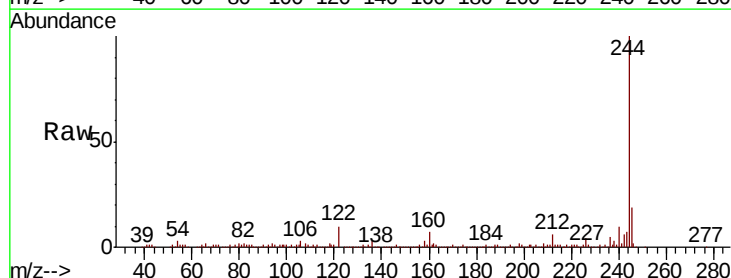
Instrument :
BNA_F
ClientSampleId :

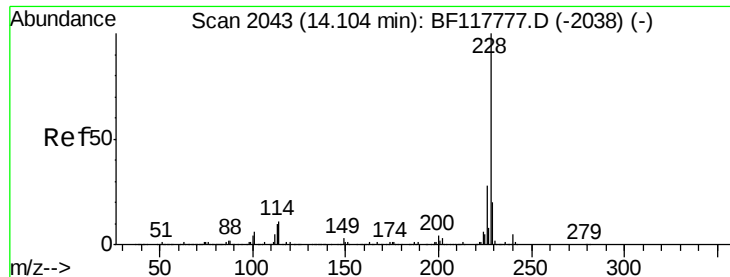
Tot Ion:202 Resp: 703859
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.8
203 17.8 14.6 22.0



#79
Terphenyl-d14
Concen: 13.378 ng
RT: 13.03 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion:244 Resp: 256533
Ion Ratio Lower Upper
244 100
212 6.4 6.3 9.5
122 10.4 9.4 14.2





#81

Benzo(a)anthracene

Concen: 10.066 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

ClientSampleId :

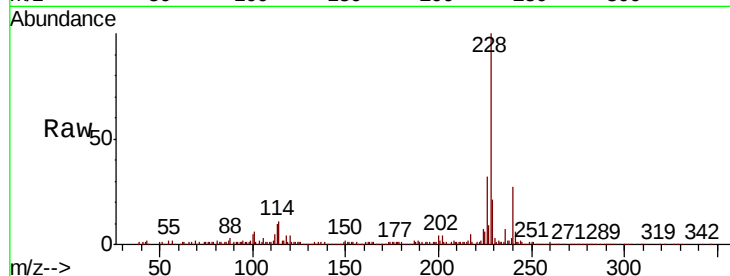
Tot Ion:228 Resp: 233122

Ion Ratio Lower Upper

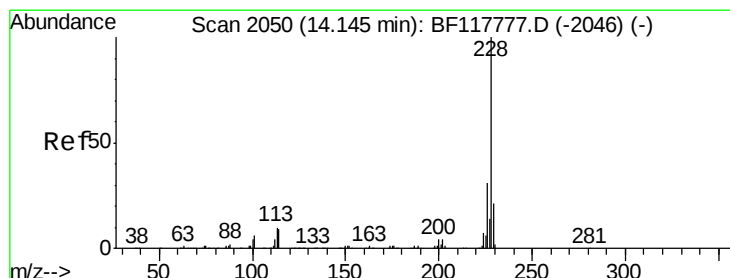
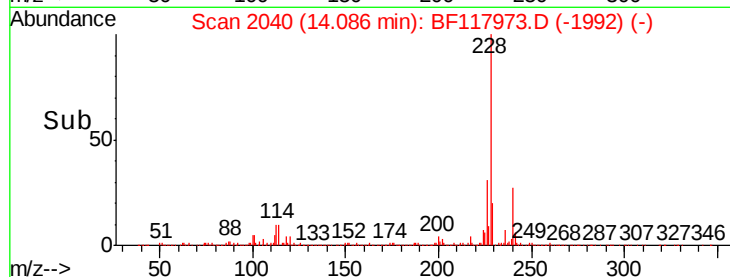
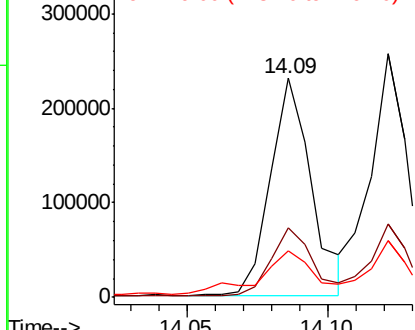
228 100

226 31.9 22.2 33.2

229 21.4 15.9 23.9



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: 10.182 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

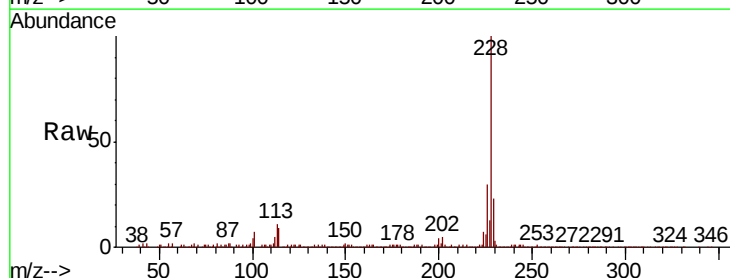
Tgt Ion:228 Resp: 228485

Ion Ratio Lower Upper

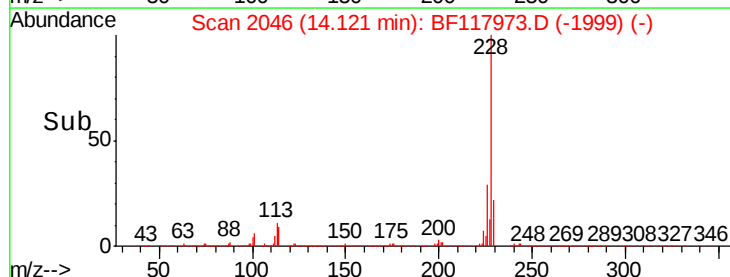
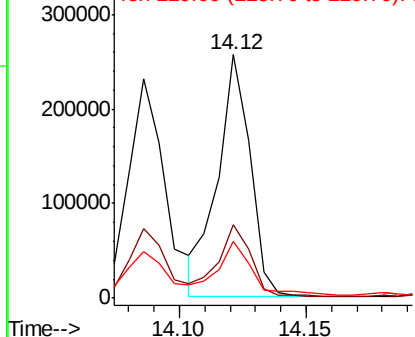
228 100

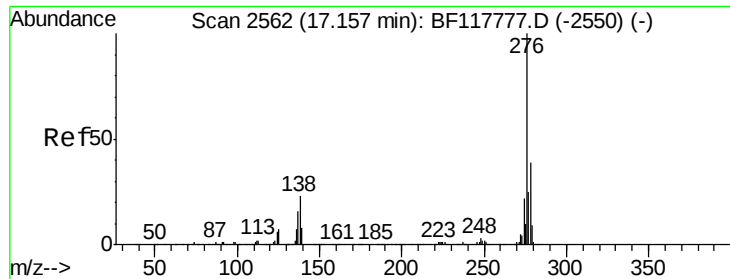
226 29.9 25.0 37.4

229 23.2 16.6 25.0



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: 4.771 ng

RT: 17.13 min Scan# 2558

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

ClientSampleId :

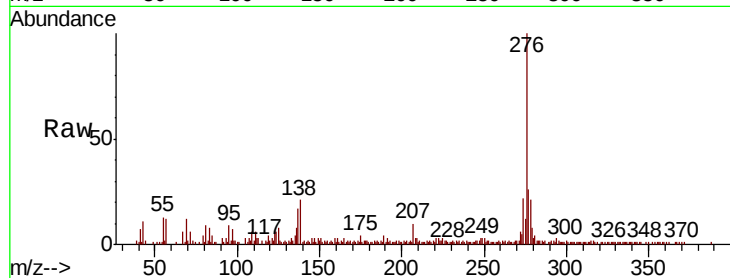
Tot Ion:276 Resp: 91126

Ion Ratio Lower Upper

276 100

138 21.9 20.9 31.3

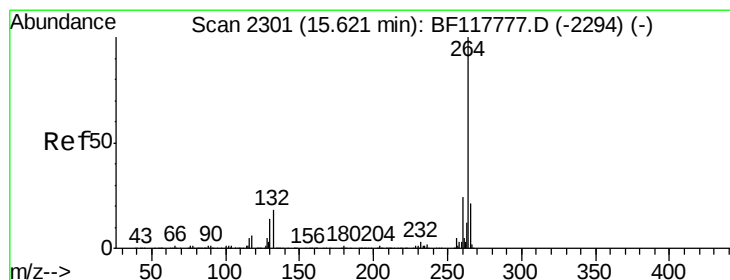
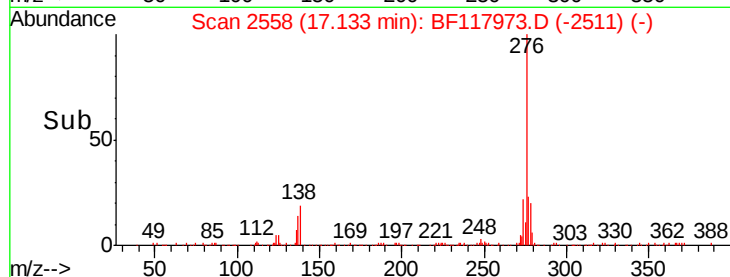
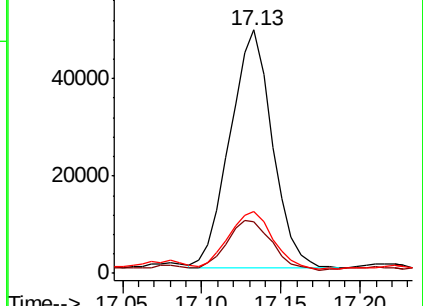
277 25.3 20.3 30.5



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: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

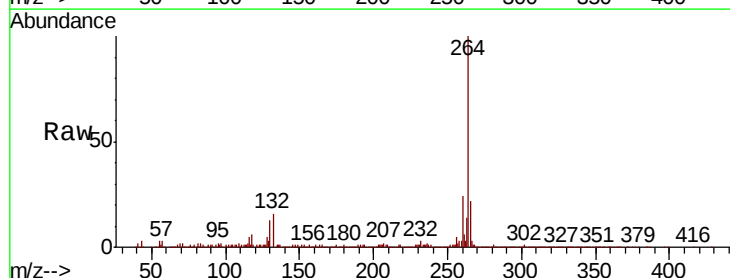
Tgt Ion:264 Resp: 445888

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

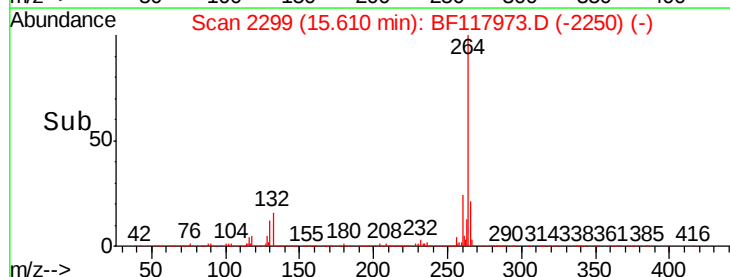
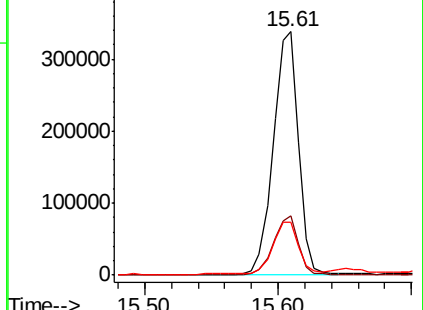
265 21.6 17.1 25.7

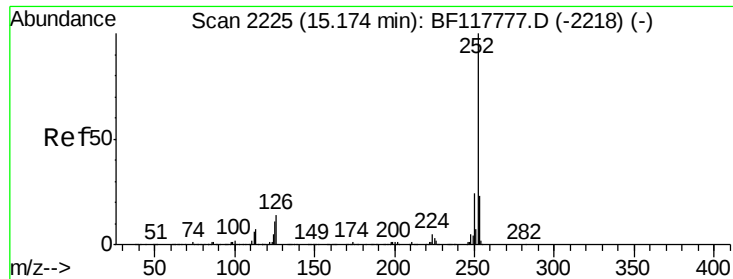


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

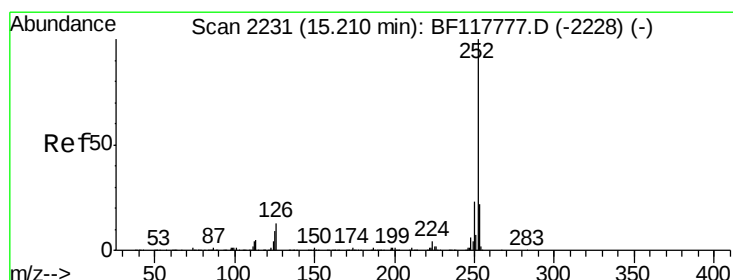
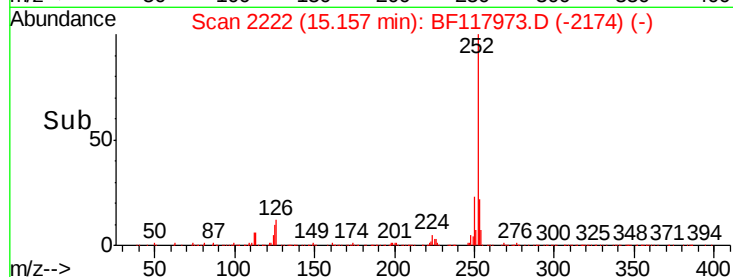
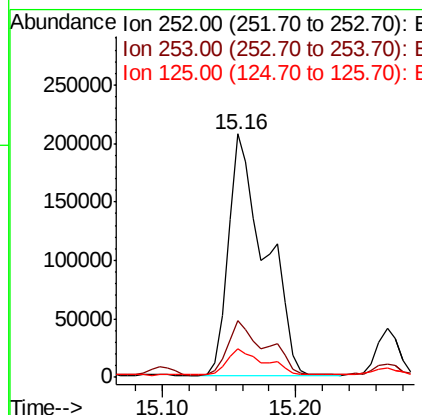
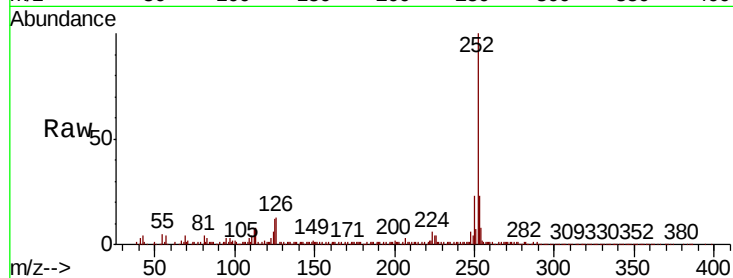




#88
Benzo(b)fluoranthene
Concen: 13.788 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

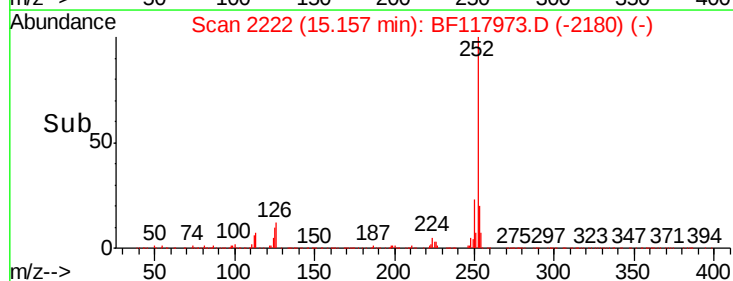
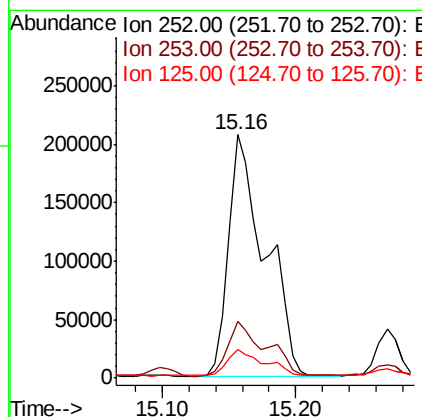
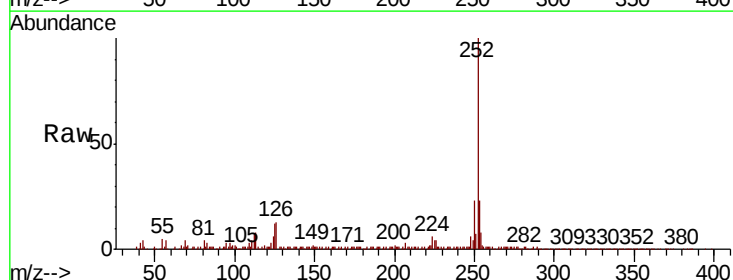
Instrument :
BNA_F
ClientSampleId :

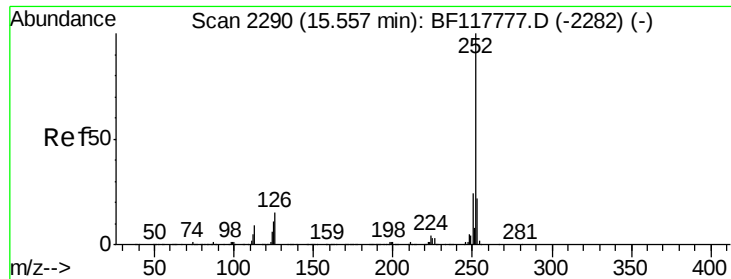
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.6	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 14.633 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.05 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	11.6	7.9	11.9

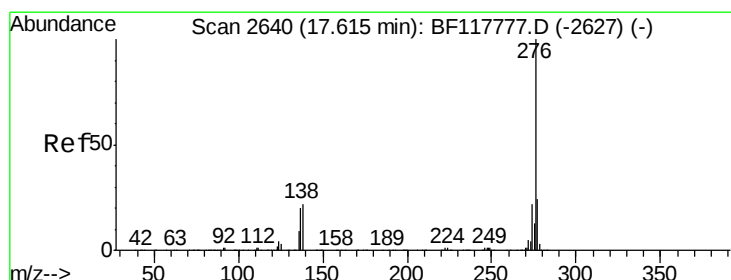
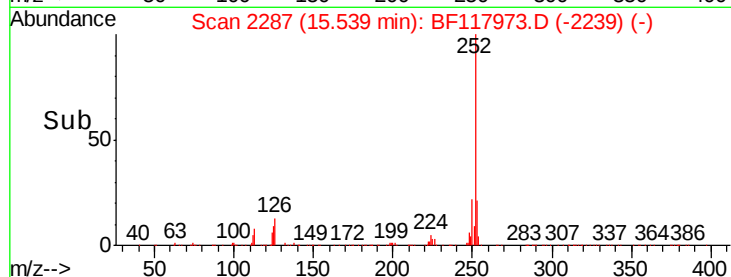
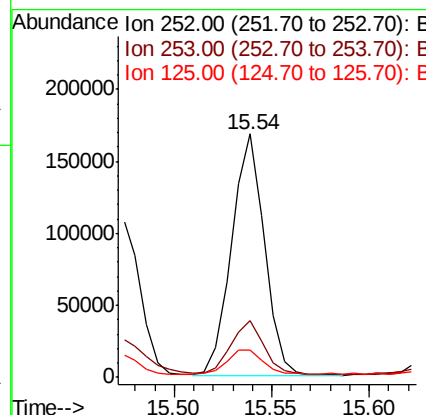
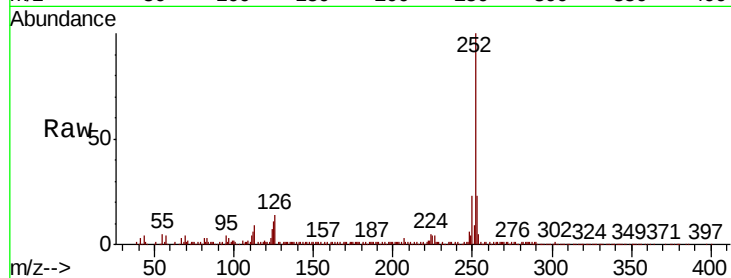




#90
Benzo(a)pyrene
Concen: 7.660 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.4	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 4.088 ng
RT: 17.59 min Scan# 2636
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	23.4	17.4	26.2

