

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117848.D
 Acq On : 18 Nov 2019 21:12
 Operator : JU
 Sample : K5865-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:57:23 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	6.92	152	201149	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	746258	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	342759	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	570173	20.00	ng	0.00
76) Chrysene-d12	14.11	240	507273	20.00	ng	0.00
87) Perylene-d12	15.63	264	454390	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	105281	9.26	ng	0.00
7) Phenol-d6	6.53	99	914199	66.70	ng	-0.01
23) Nitrobenzene-d5	7.48	82	894079	71.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	5061	1.39	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1634681	85.56	ng	0.00
79) Terphenyl-d14	13.05	244	1716305	61.84	ng	0.00

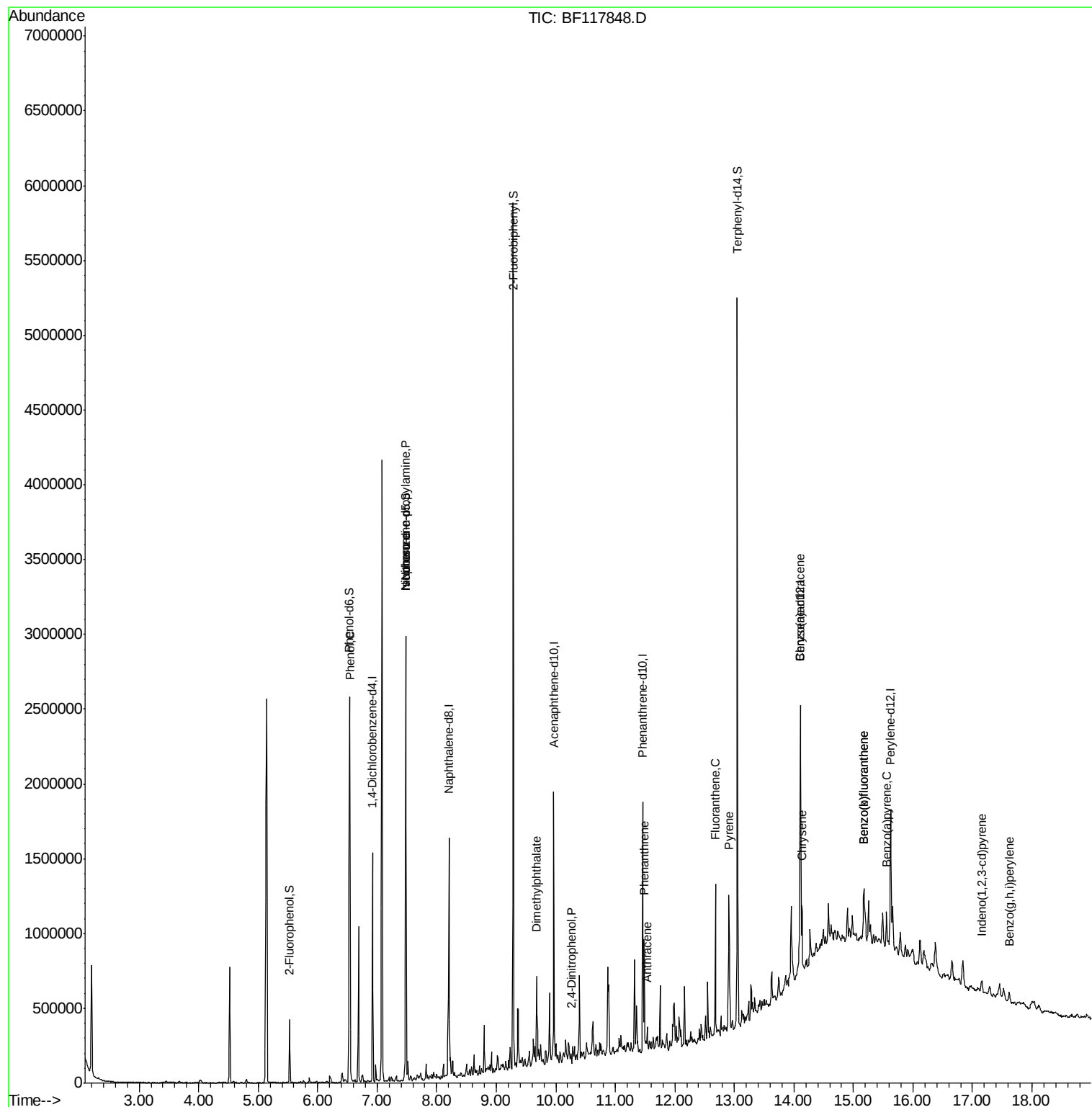
Target Compounds				Qvalue		
9) Benzaldehyde	6.47	77	2701	Below Cal		92
10) Phenol	6.55	94	110880	7.785 ng		96
19) n-Nitroso-di-n-propylamine	7.48	70	122629	14.502 ng	#	78
25) Isophorone	7.48	82	884264	38.432 ng	#	62
50) Dimethylphthalate	9.67	163	182586	7.596 ng		100
54) 2,4-Dinitrophenol	10.26	184	356	7.345 ng	#	23
71) Phenanthrene	11.49	178	259022	9.036 ng		97
72) Anthracene	11.54	178	59844	2.106 ng		97
75) Fluoranthene	12.68	202	366618	7.829 ng		99
78) Pyrene	12.91	202	354805	8.655 ng		99
81) Benzo(a)anthracene	14.10	228	180779	5.393 ng		95
83) Chrysene	14.14	228	177540	5.466 ng		97
86) Indeno(1,2,3-cd)pyrene	17.15	276	58652	2.122 ng		96
88) Benzo(b)fluoranthene	15.17	252	255111	8.641 ng	#	94
89) Benzo(k)fluoranthene	15.17	252	255111	9.171 ng	#	92
90) Benzo(a)pyrene	15.56	252	123606	4.761 ng	#	92
92) Benzo(a,h,i)perylene	17.62	276	60450	2.716 ng	#	94

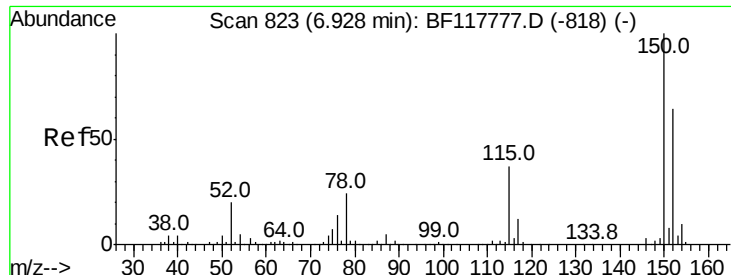
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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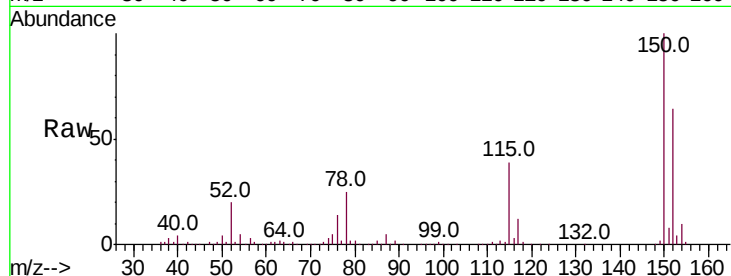


#1

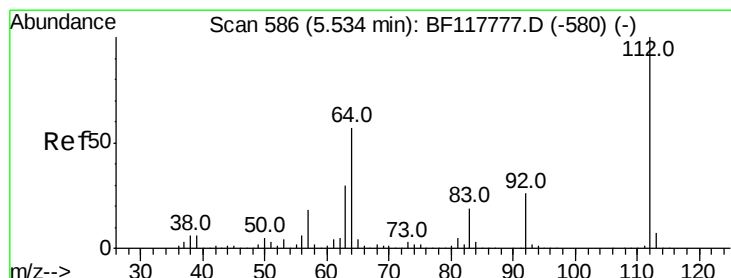
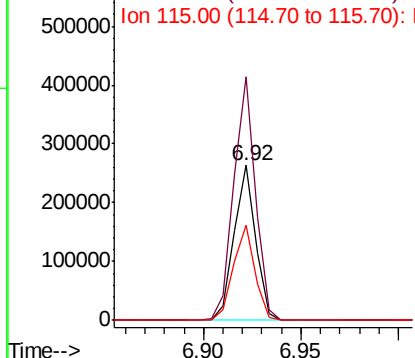
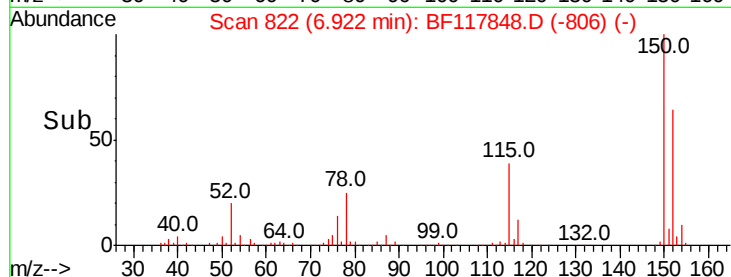
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 201149
Ion Ratio Lower Upper
152 100
150 157.3 125.3 187.9
115 61.7 47.0 70.4



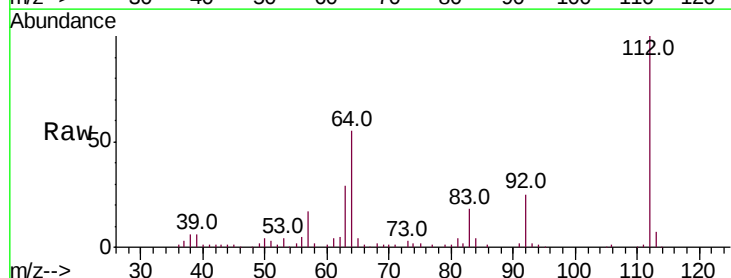
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



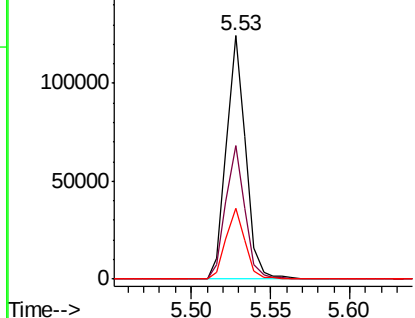
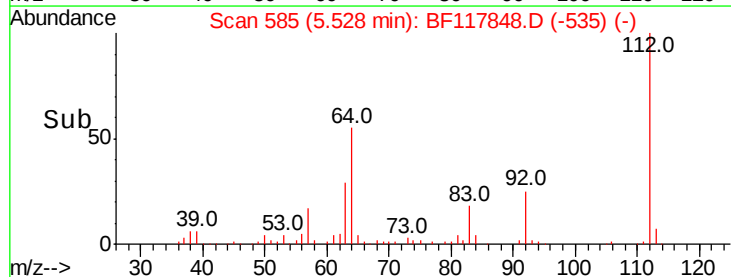
#5

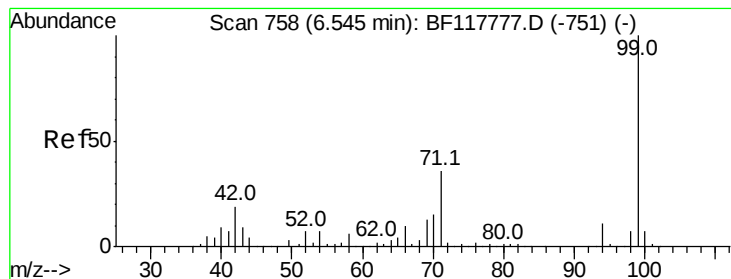
2-Fluorophenol
Concen: 9.265 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Tgt Ion:112 Resp: 105281
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: 66.699 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

Instrument :

BNA_F

ClientSampleId :

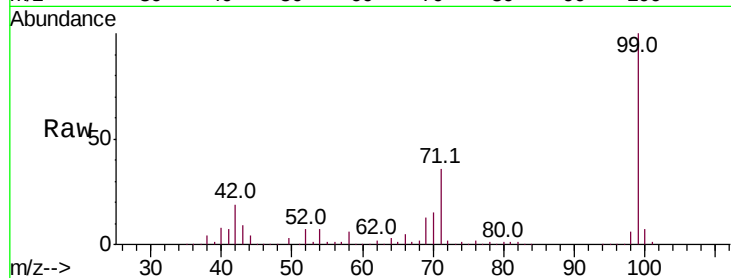
Tot Ion: 99 Resp: 914199

Ion Ratio Lower Upper

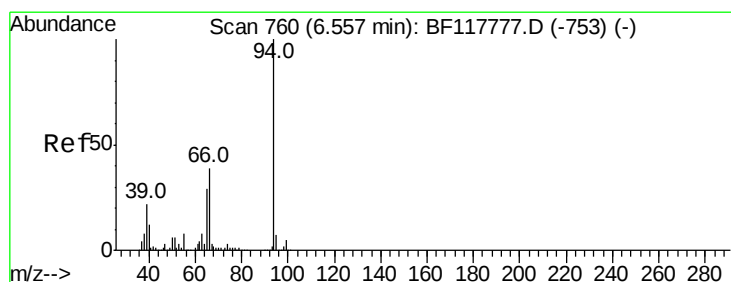
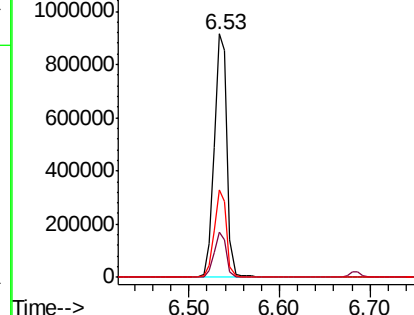
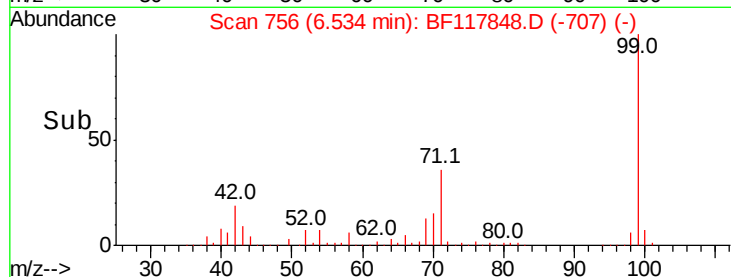
99 100

42 18.7 14.9 22.3

71 36.0 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: 7.785 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

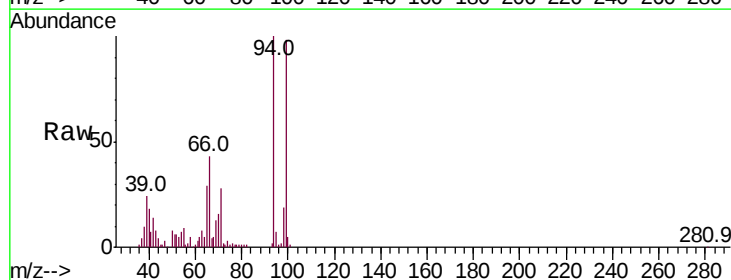
Tgt Ion: 94 Resp: 110880

Ion Ratio Lower Upper

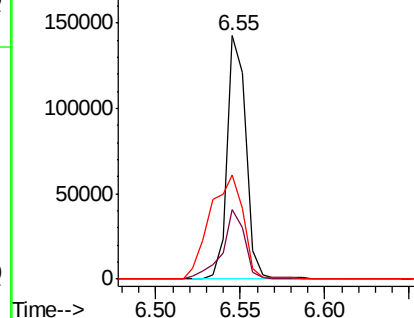
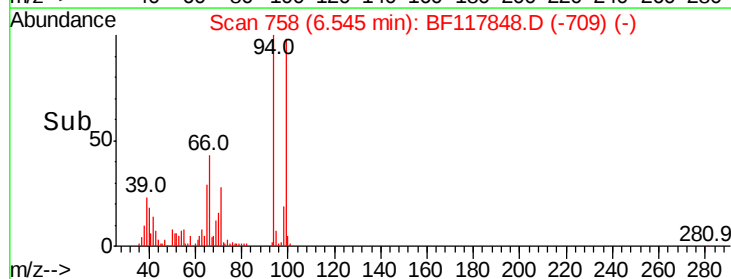
94 100

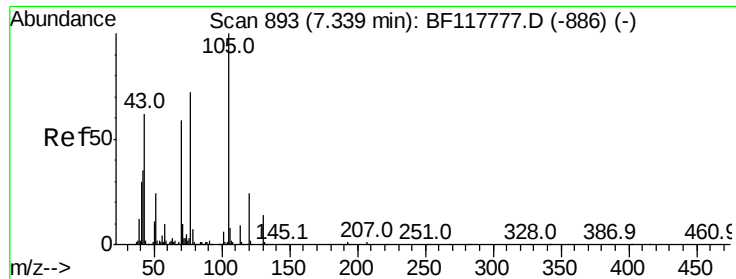
65 28.7 8.9 48.9

66 42.6 18.7 58.7



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: 14.502 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117848.D

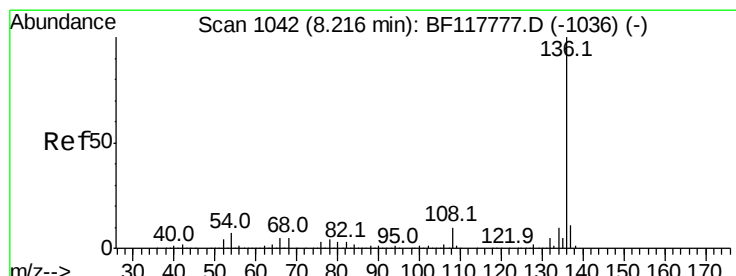
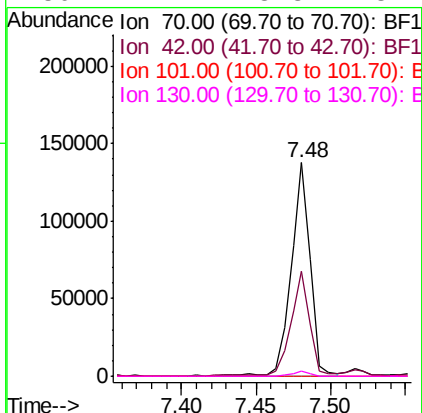
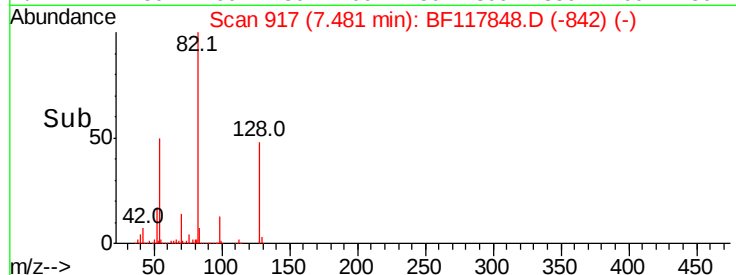
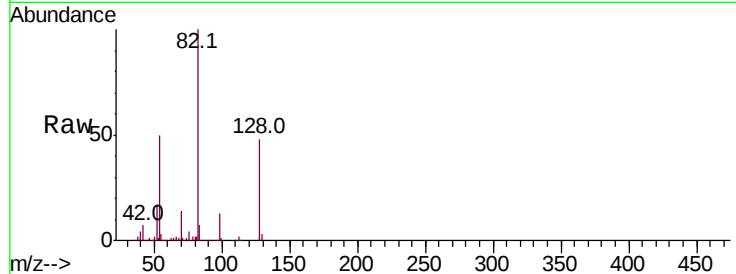
Acq: 18 Nov 2019 21:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	122629
Ion	Ratio	Lower	Upper
70	100		
42	49.4	47.4	71.2
101	0.0	8.4	12.6#
130	2.2	18.8	28.2#



#21

Naphthalene-d8

Concen: 20.000 ng

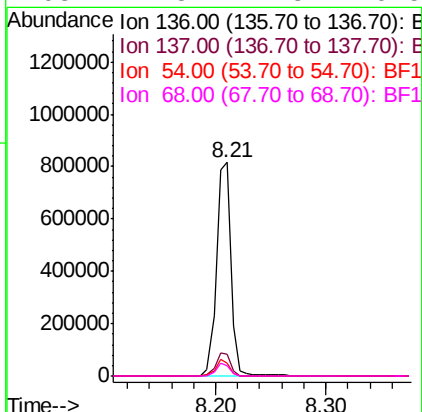
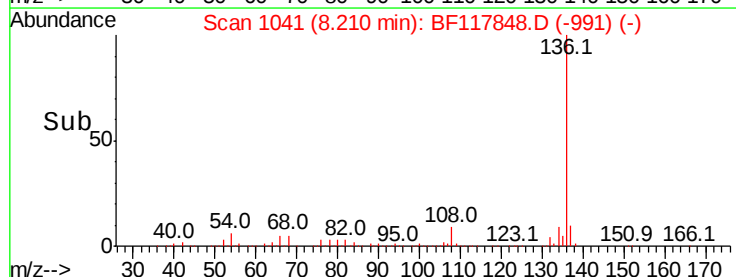
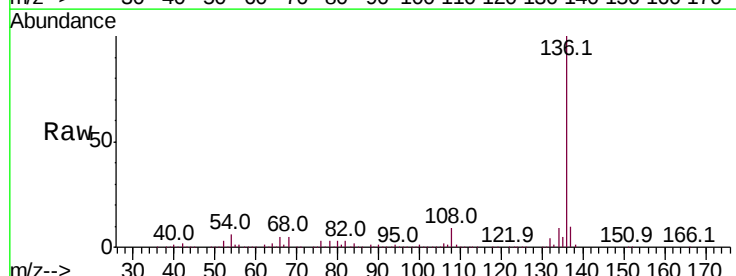
RT: 8.21 min Scan# 1041

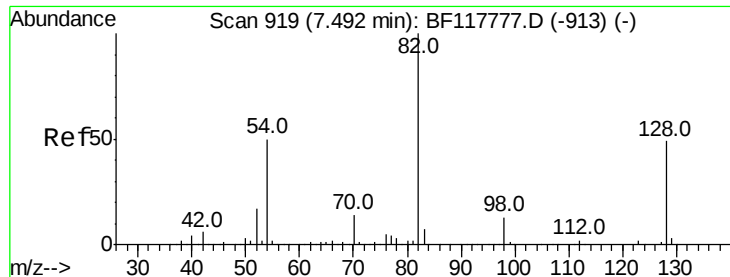
Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

Tgt Ion:	136	Resp:	746258
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	6.3	5.4	8.2
68	4.8	4.3	6.5

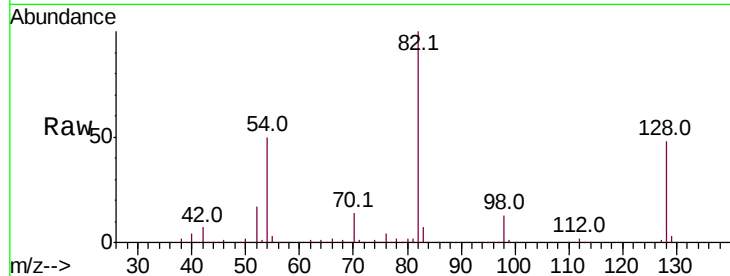




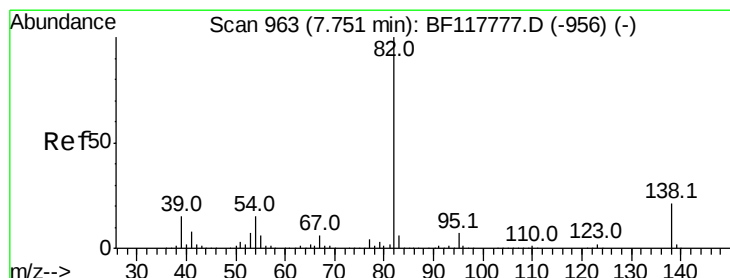
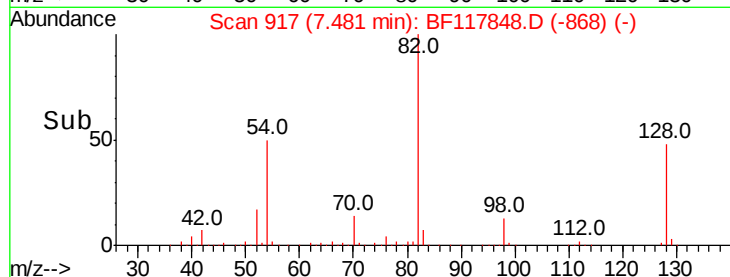
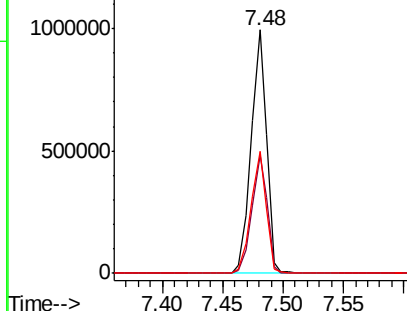
#23
Nitrobenzene-d5
Concen: 71.221 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	894079
Ion Ratio	Lower	Upper	
82	100		
128	48.3	38.9	58.3
54	50.3	39.8	59.6

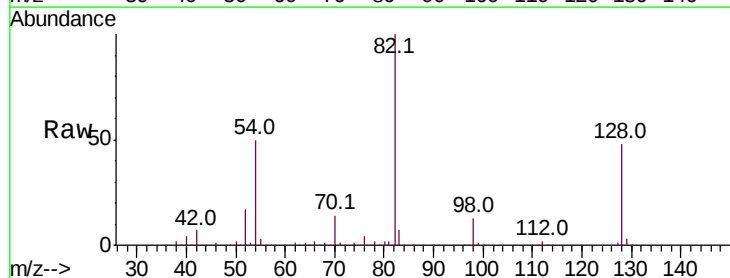


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

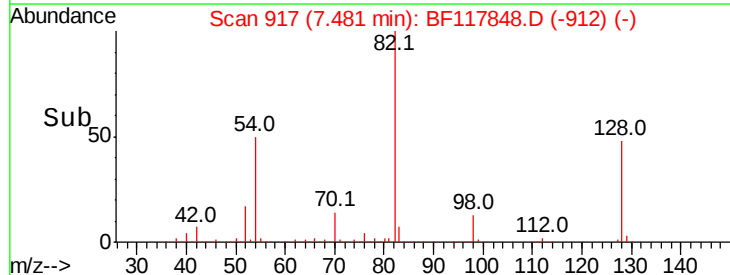
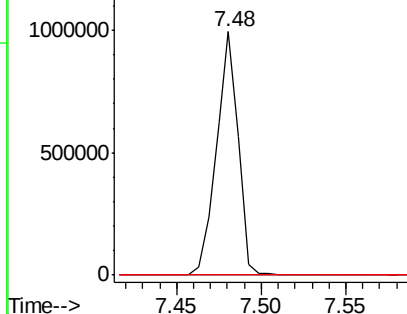


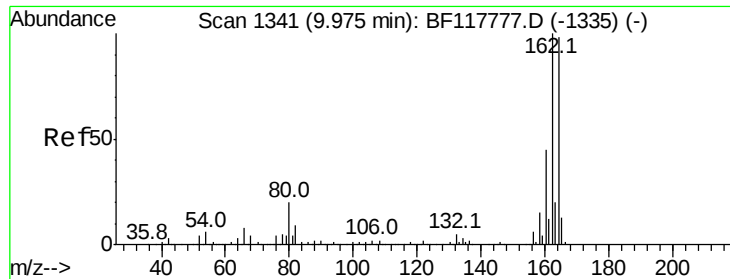
#25
Isophorone
Concen: 38.432 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.27 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Tgt Ion	82	Resp	884264
Ion Ratio	Lower	Upper	
82	100		
95	0.1	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): BF1

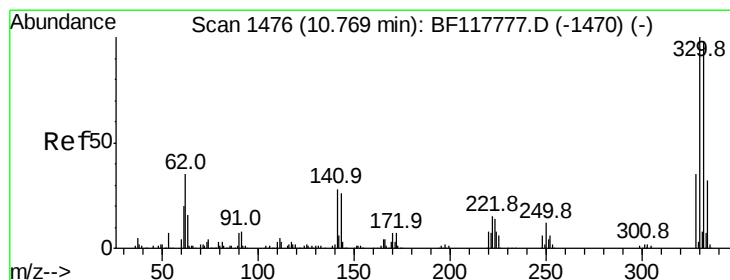
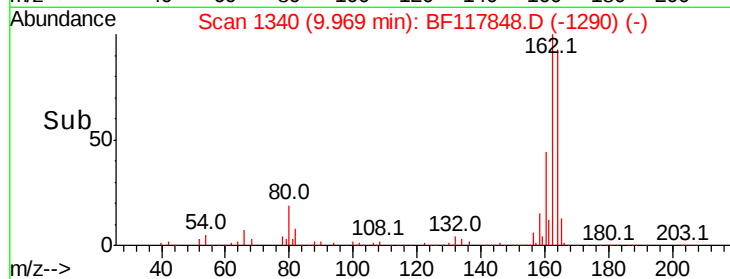
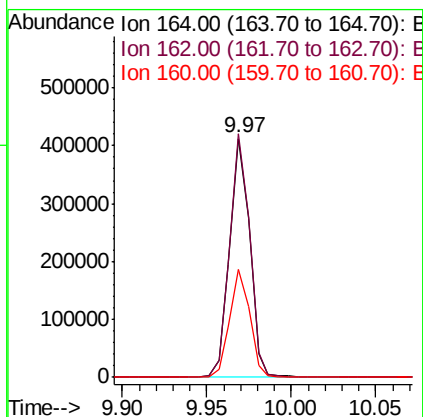
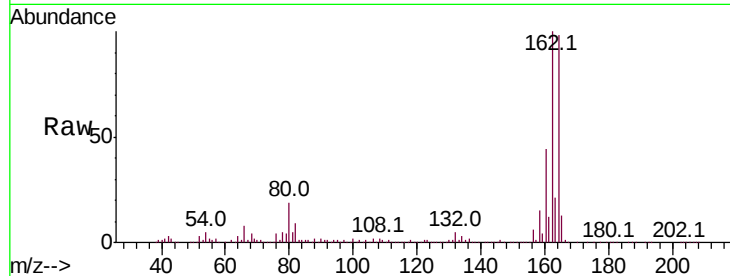




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF117848.D
 Acq: 18 Nov 2019 21:12

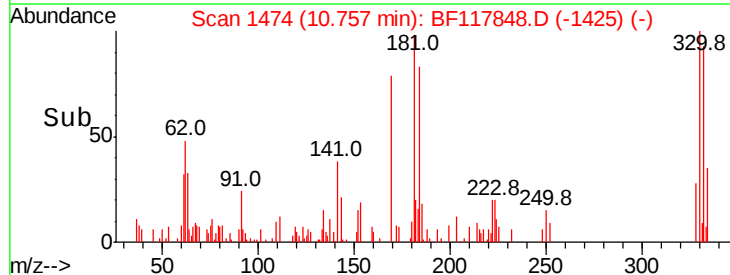
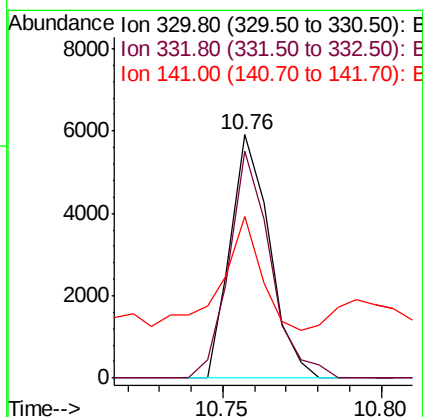
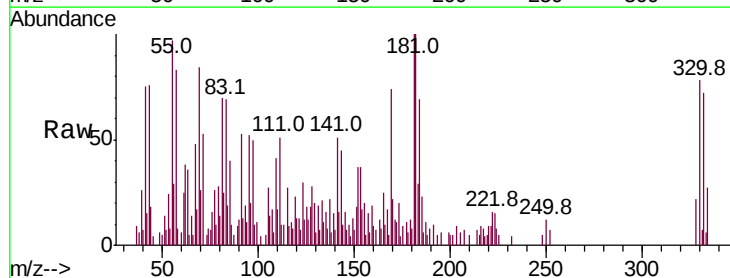
Instrument :
 BNA_F
 ClientSampleId :

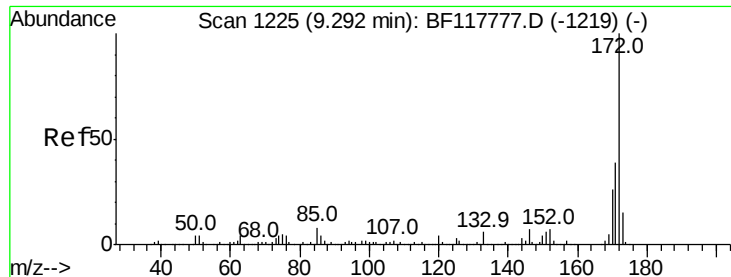
Tot Ion:164 Resp: 342759
 Ion Ratio Lower Upper
 164 100
 162 101.9 81.3 121.9
 160 45.0 36.6 55.0



#42
 2,4,6-Tribromophenol
 Concen: 1.395 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117848.D
 Acq: 18 Nov 2019 21:12

Tgt Ion:330 Resp: 5061
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.7 115.1
 141 47.3 27.7 41.5#

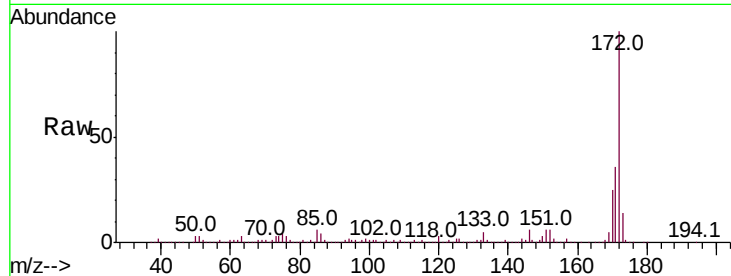




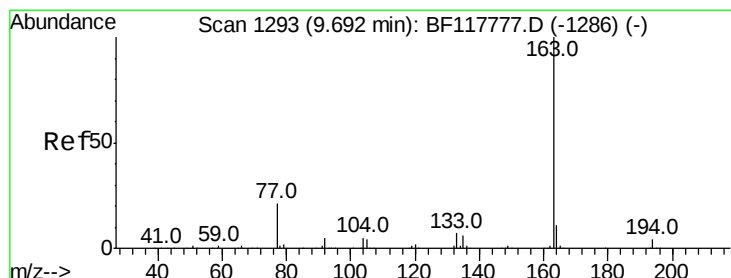
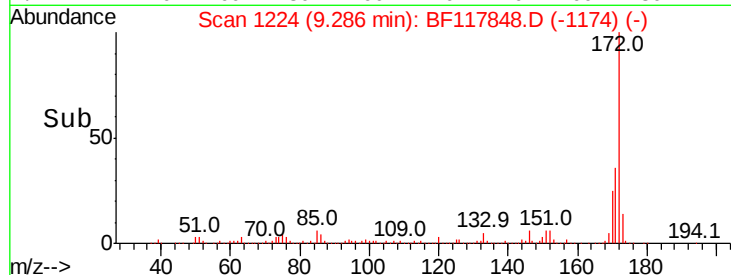
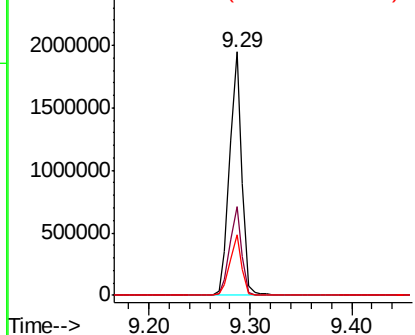
#45
2-Fluorobiphenyl
Concen: 85.561 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1634681
Ion Ratio Lower Upper
172 100
171 36.3 30.9 46.3
170 24.7 21.0 31.4

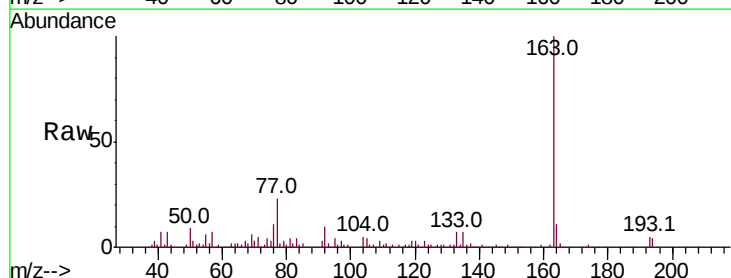


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

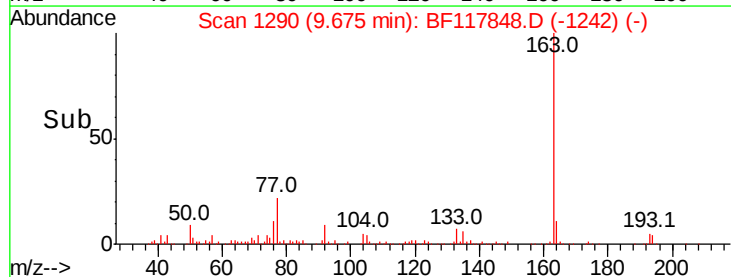
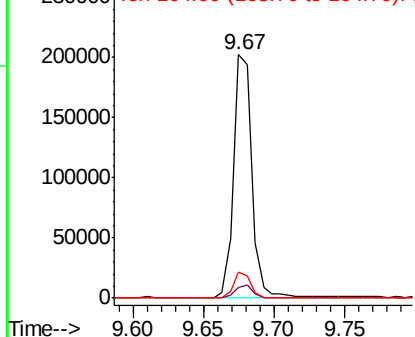


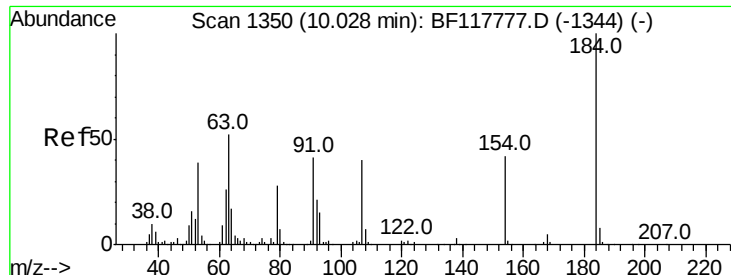
#50
Dimethylphthalate
Concen: 7.596 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Tgt Ion:163 Resp: 182586
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.8 8.7 13.1



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

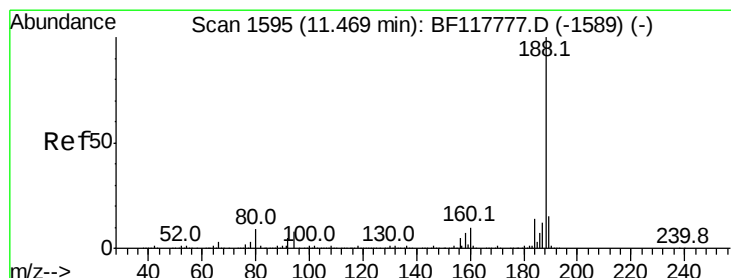
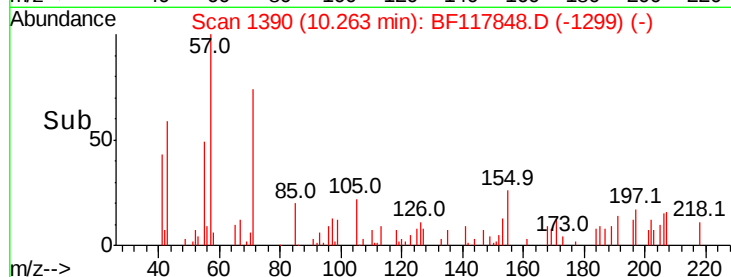
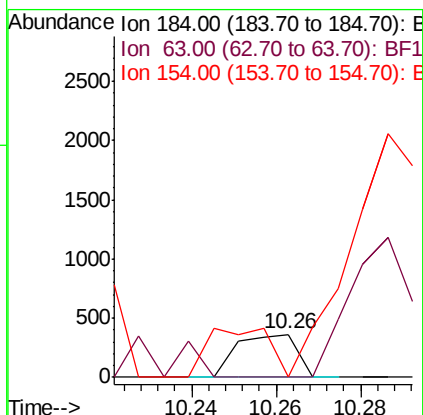
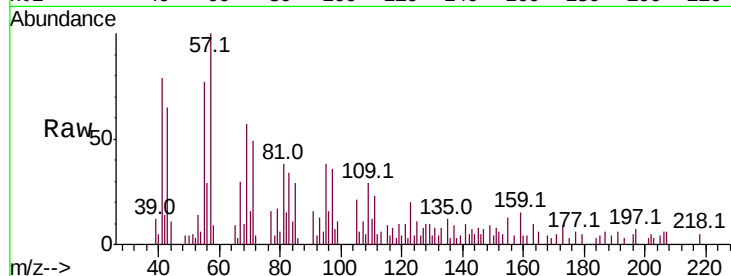




#54
 2,4-Dinitrophenol
 Concen: 7.345 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.24 min
 Lab File: BF117848.D
 Acq: 18 Nov 2019 21:12

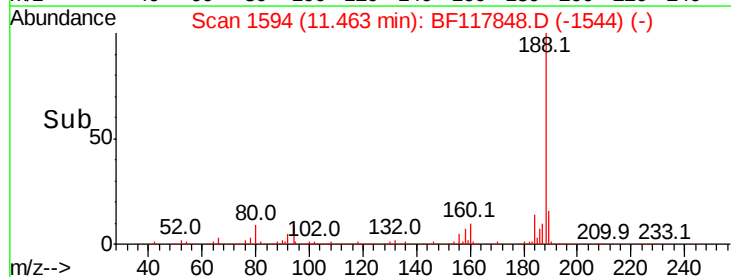
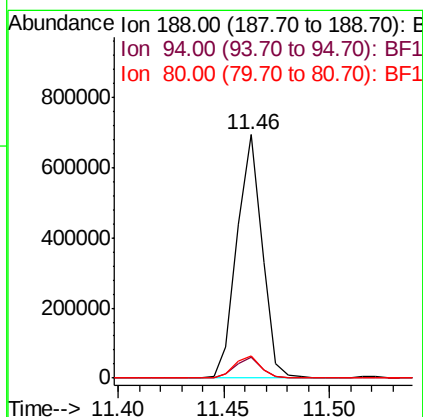
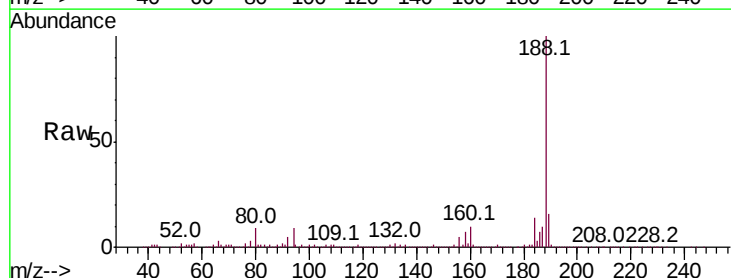
Instrument :
 BNA_F
 ClientSampled :

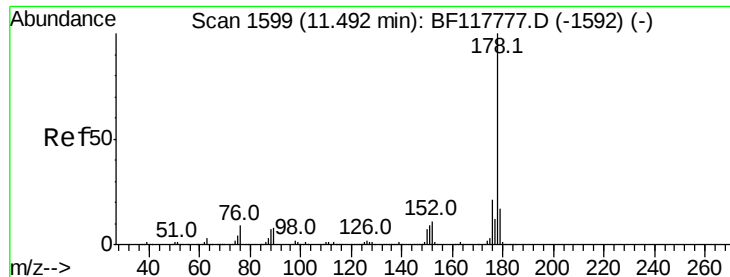
Tot Ion:184 Resp: 356
 Ion Ratio Lower Upper
 184 100
 63 0.0 43.0 64.6#
 154 0.0 48.0 72.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117848.D
 Acq: 18 Nov 2019 21:12

Tgt Ion:188 Resp: 570173
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.6 10.0
 80 9.2 7.2 10.8





#71

Phenanthrene

Concen: 9.036 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

Instrument :

BNA_F

ClientSampleId :

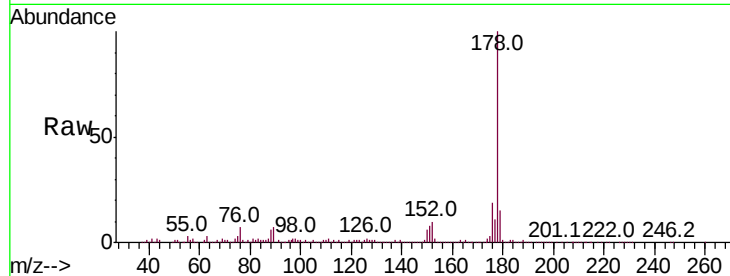
Tot Ion:178 Resp: 259022

Ion Ratio Lower Upper

178 100

176 19.5 16.6 25.0

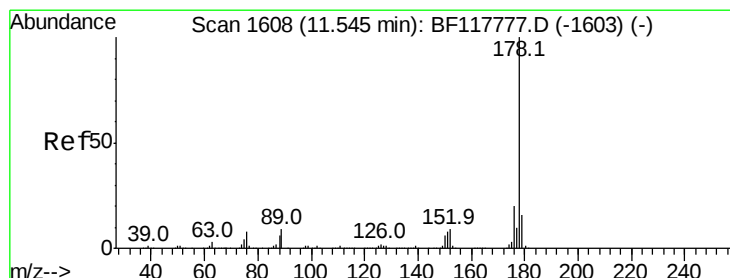
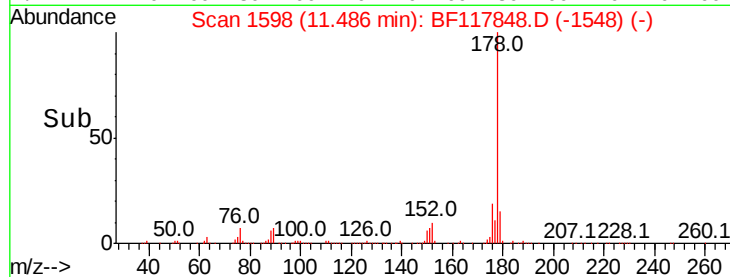
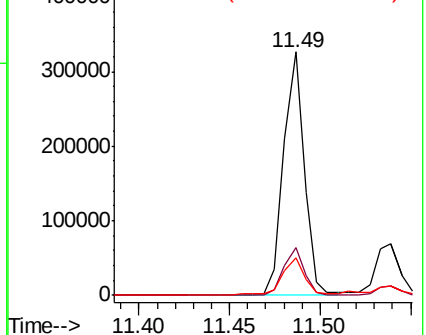
179 15.4 13.2 19.8



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: 2.106 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

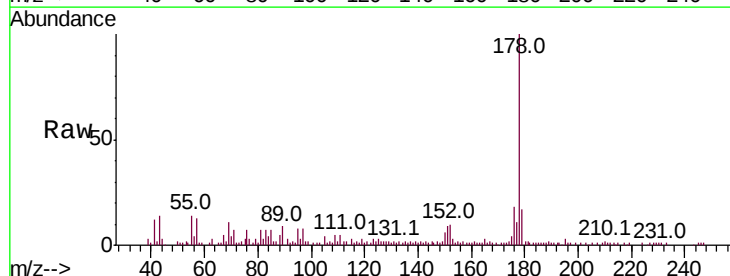
Tgt Ion:178 Resp: 59844

Ion Ratio Lower Upper

178 100

176 18.5 16.1 24.1

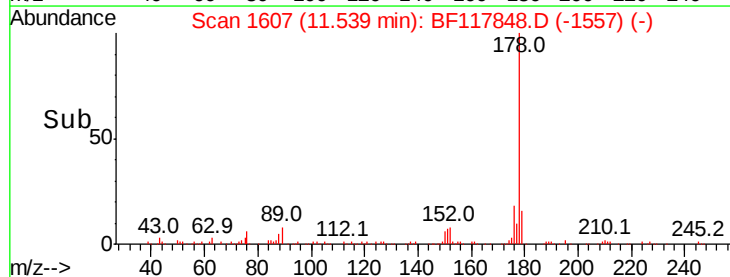
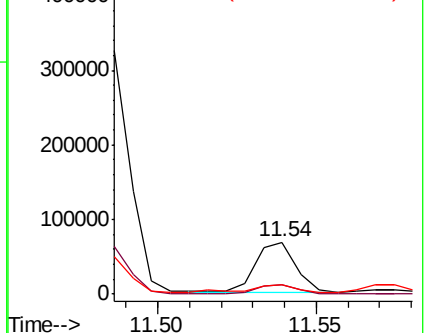
179 17.2 13.0 19.4

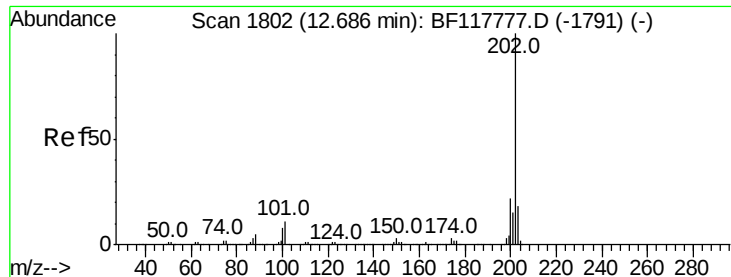


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.829 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

Instrument :

BNA_F

ClientSampleId :

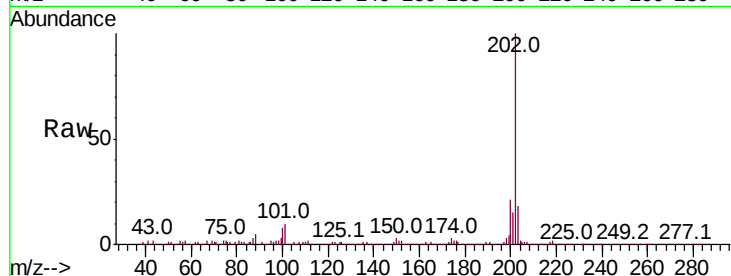
Tot Ion:202 Resp: 366618

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.1

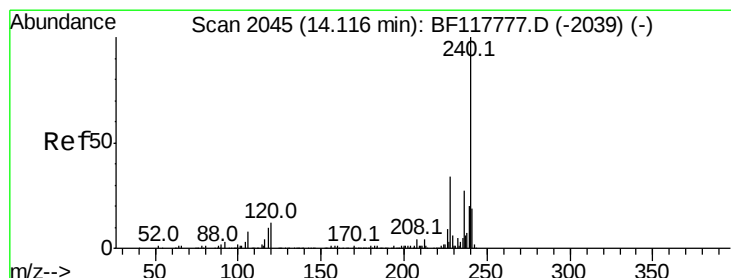
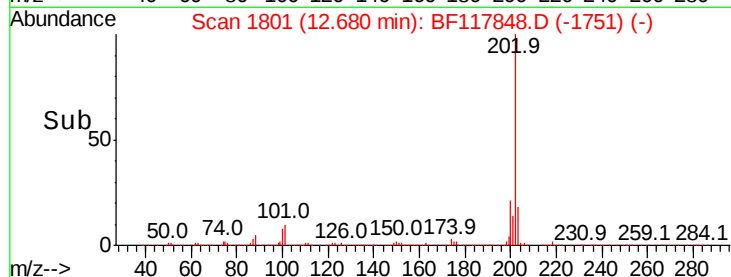
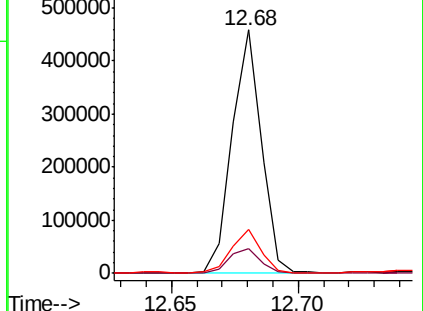
203 17.8 0.0 38.2



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: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

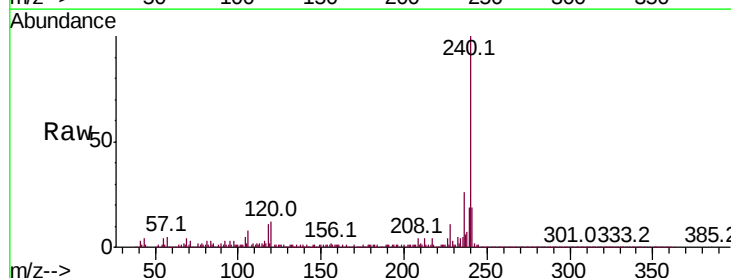
Tgt Ion:240 Resp: 507273

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

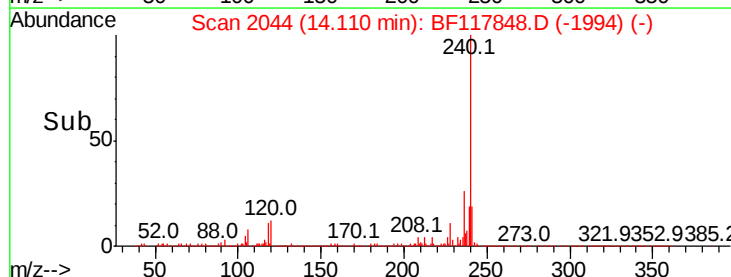
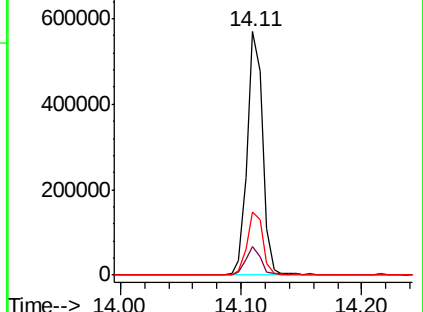
236 26.2 21.3 31.9

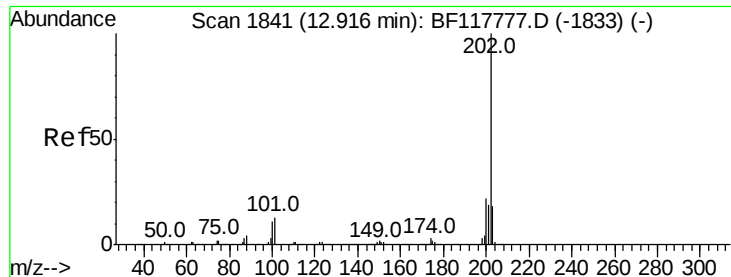


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

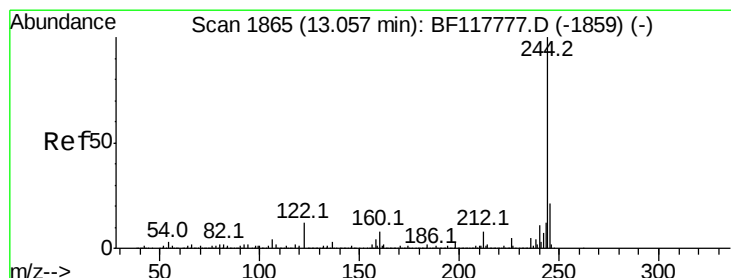
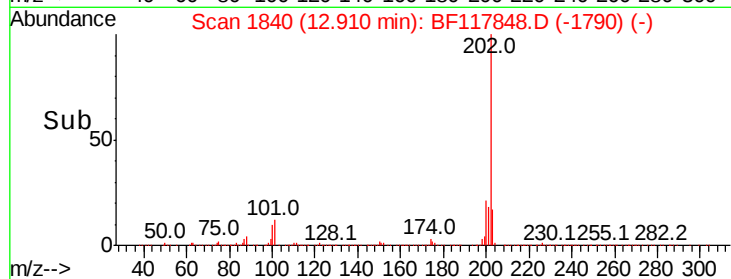
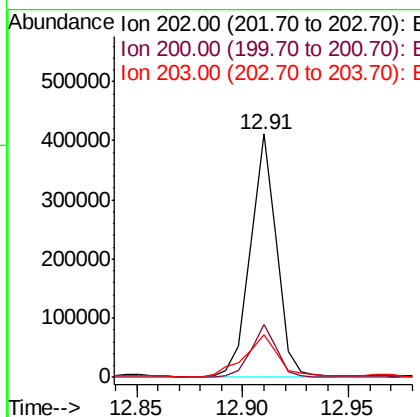
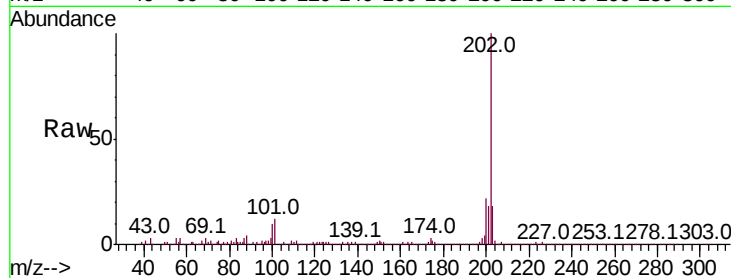




#78
Pvrene
Concen: 8.655 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

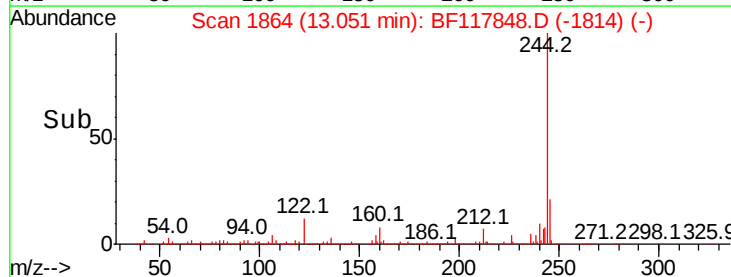
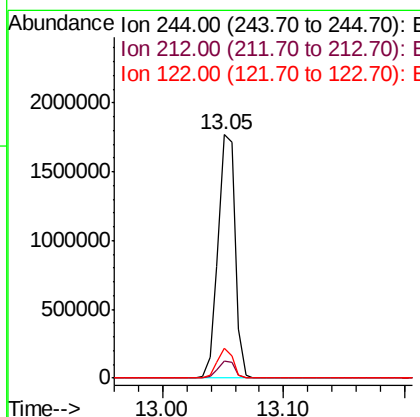
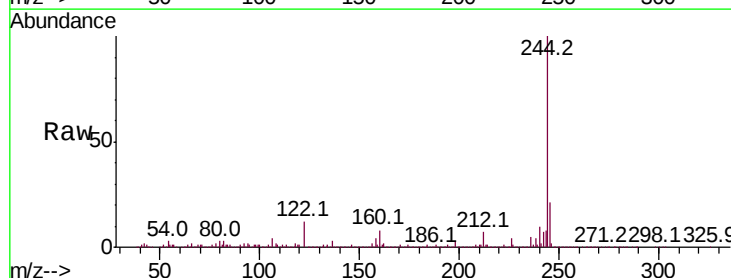
Instrument :
BNA_F
ClientSampled :

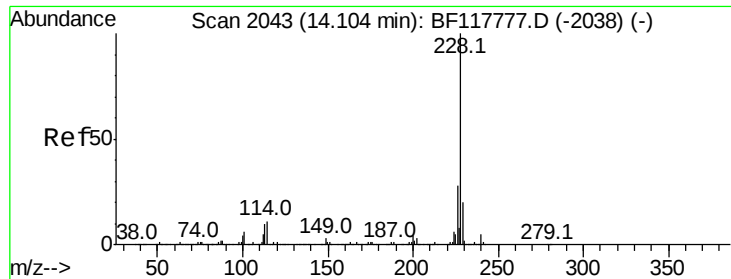
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.8
203	17.8	14.6	22.0



#79
Terphenyl-d14
Concen: 61.835 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.3	9.5
122	12.2	9.4	14.2





#81

Benzo(a)anthracene

Concen: 5.393 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

Instrument :

BNA_F

ClientSampled :

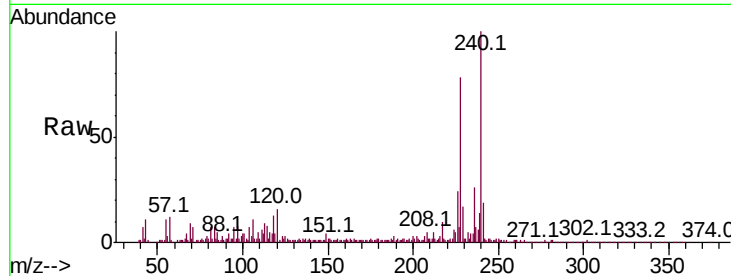
Tot Ion:228 Resp: 180779

Ion Ratio Lower Upper

228 100

226 31.2 22.2 33.2

229 21.4 15.9 23.9

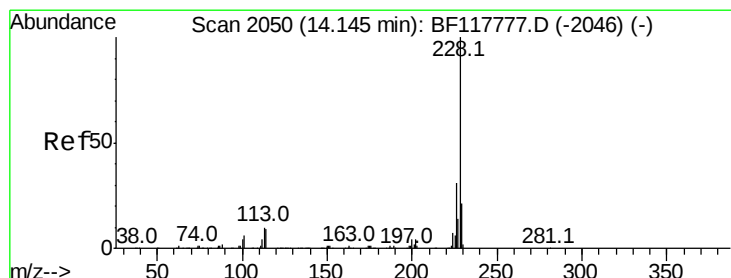
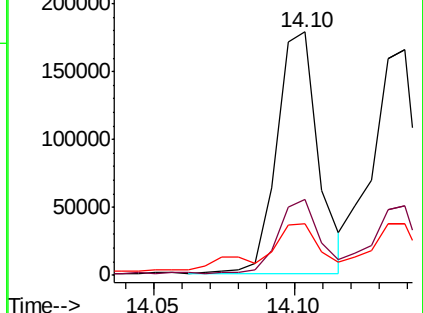
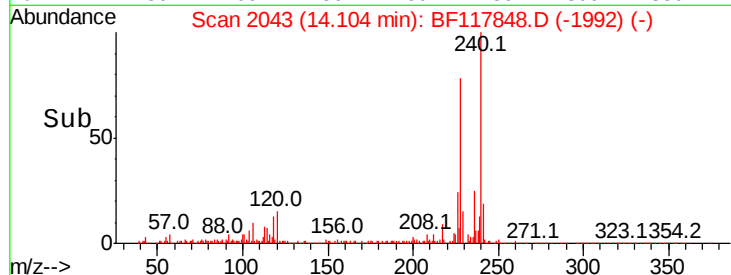


Abundance

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: 5.466 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

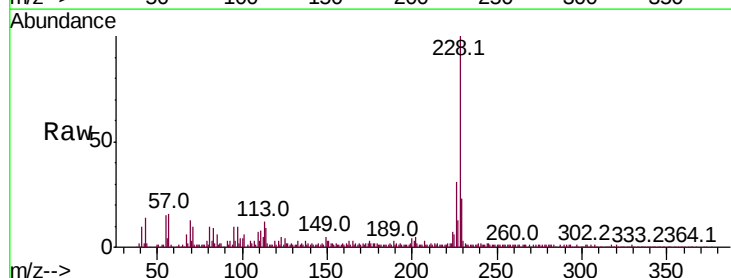
Tgt Ion:228 Resp: 177540

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.4

229 23.1 16.6 25.0

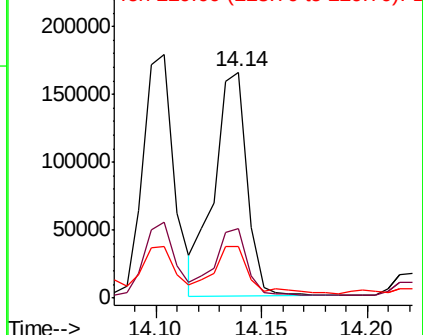
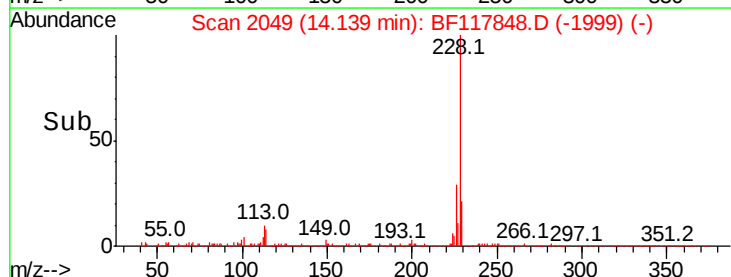


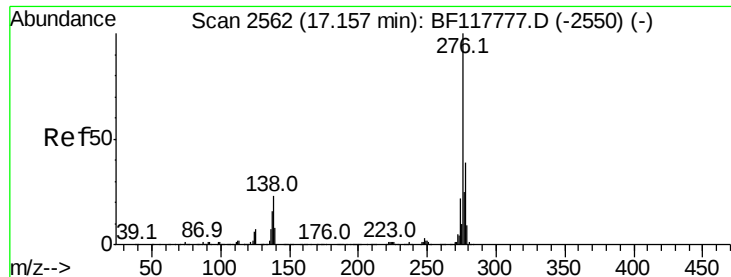
Abundance

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

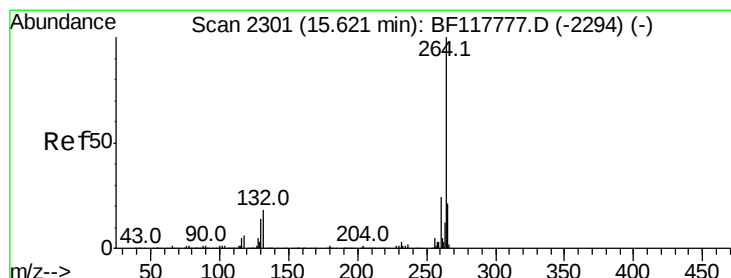
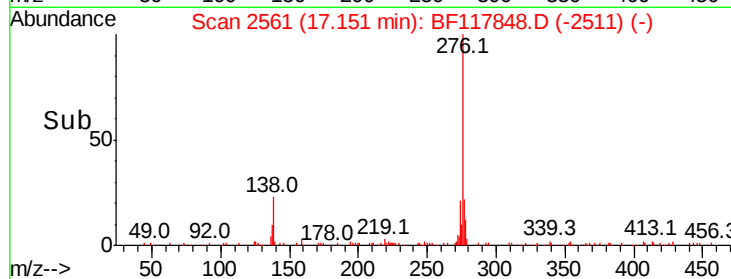
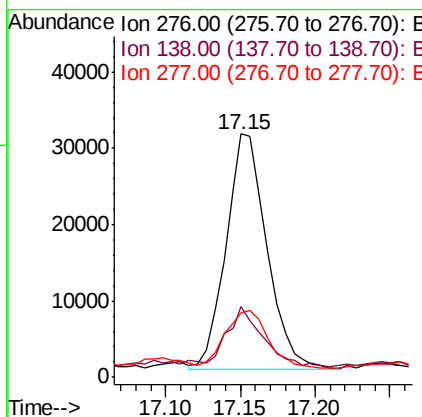
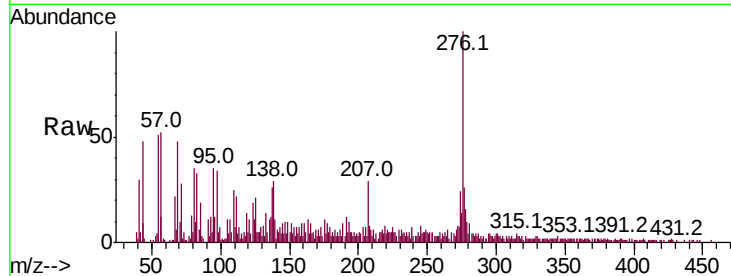




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.122 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.01 min
 Lab File: BF117848.D
 Acq: 18 Nov 2019 21:12

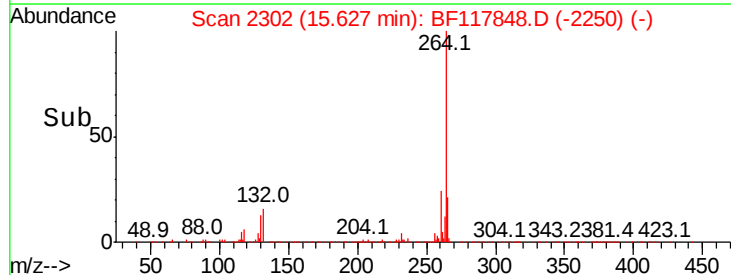
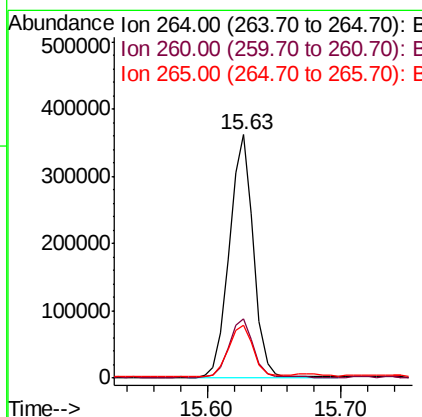
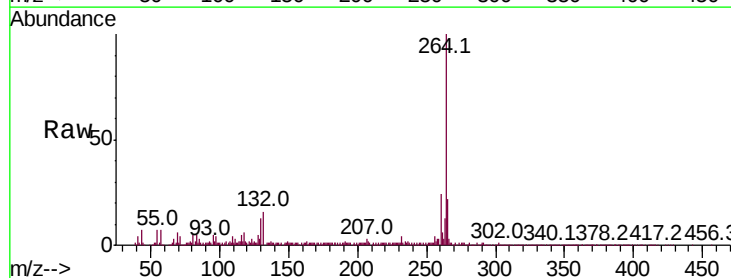
Instrument :
 BNA_F
 ClientSampleId :

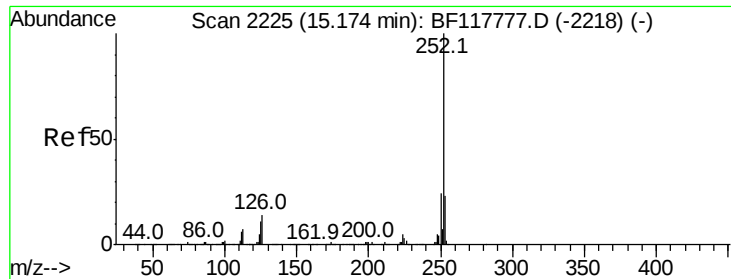
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.9	31.3
277	26.1	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. 0.01 min
 Lab File: BF117848.D
 Acq: 18 Nov 2019 21:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.5	17.1	25.7

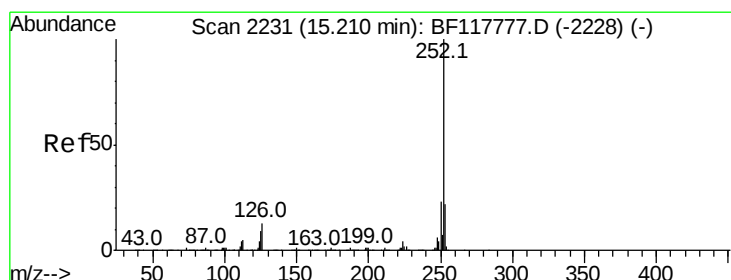
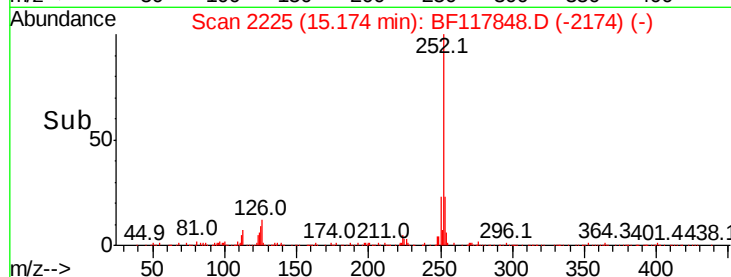
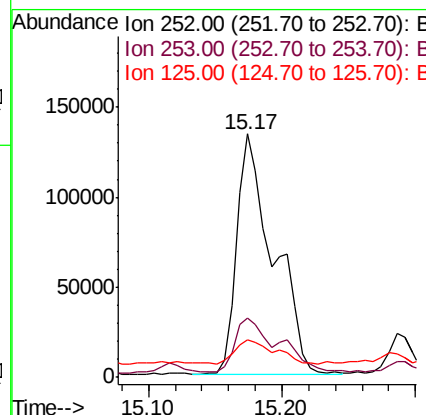
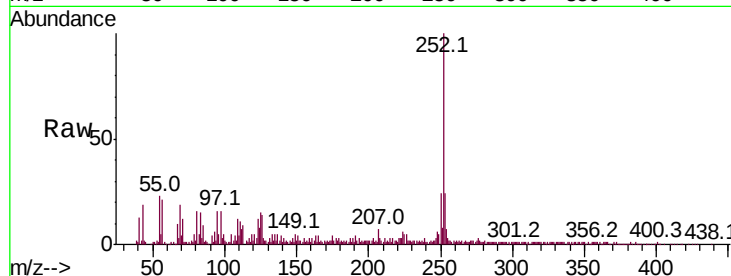




#88
Benzo(b)fluoranthene
Concen: 8.641 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

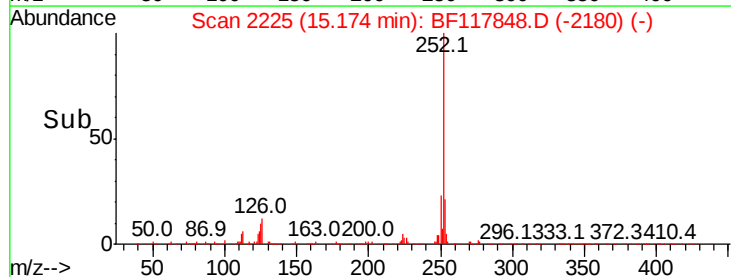
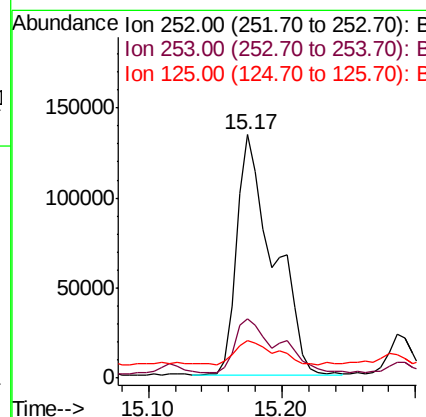
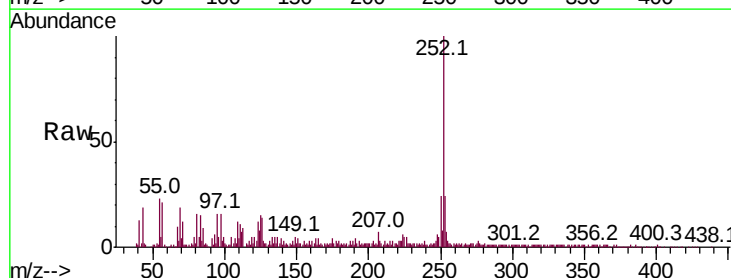
Instrument :
BNA_F
ClientSampleId :

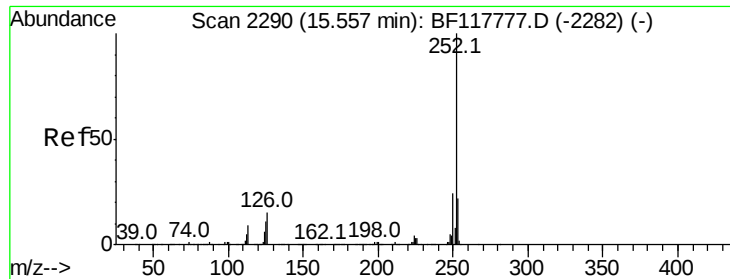
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	15.3	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 9.171 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF117848.D
Acq: 18 Nov 2019 21:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	15.3	7.9	11.9





#90

Benzo(a)pyrene

Concen: 4.761 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.00 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

Instrument :

BNA_F

ClientSampleId :

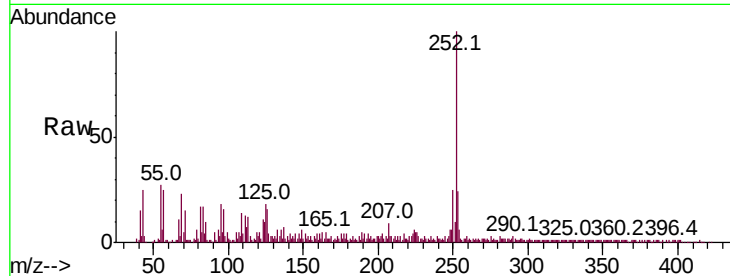
Tot Ion:252 Resp: 123606

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

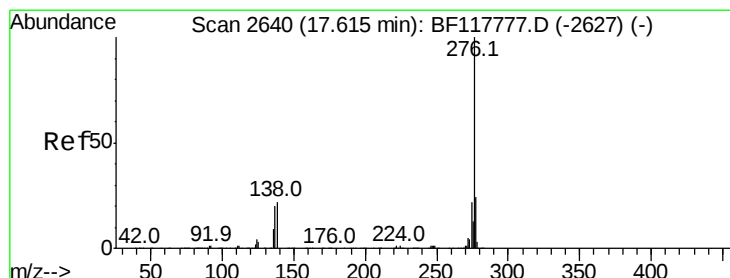
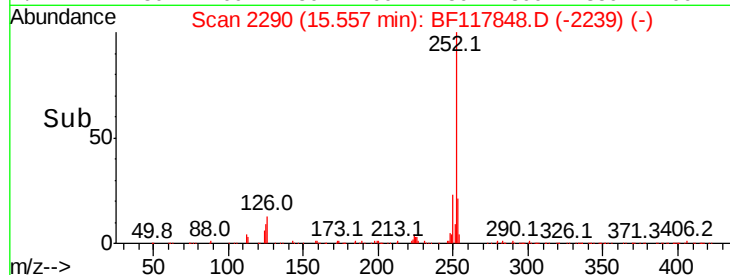
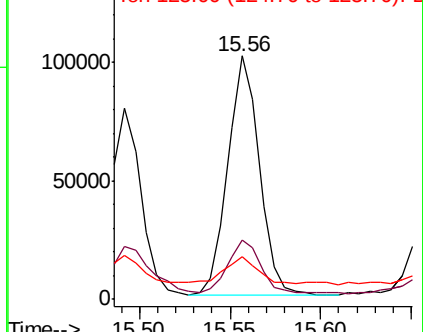
125 17.6 9.2 13.8#



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



#92

Benzo(g,h,i)perylene

Concen: 2.716 ng

RT: 17.62 min Scan# 2641

Delta R.T. 0.01 min

Lab File: BF117848.D

Acq: 18 Nov 2019 21:12

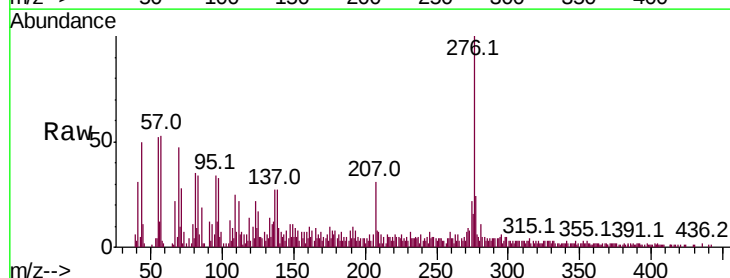
Tgt Ion:276 Resp: 60450

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 26.8 17.4 26.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

