

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117840.D
 Acq On : 18 Nov 2019 17:30
 Operator : JU
 Sample : K5669-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:56:01 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	238380	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	916588	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	446897	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	716268	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	491887	20.00	ng	0.00
87) Perylene-d12	15.62	264	601354	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1211128	89.93	ng	0.00
7) Phenol-d6	6.54	99	1514785	93.26	ng	0.00
23) Nitrobenzene-d5	7.48	82	924464	59.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	399918	84.53	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1728954	69.41	ng	0.00
79) Terphenyl-d14	13.05	244	1421191	52.80	ng	0.00

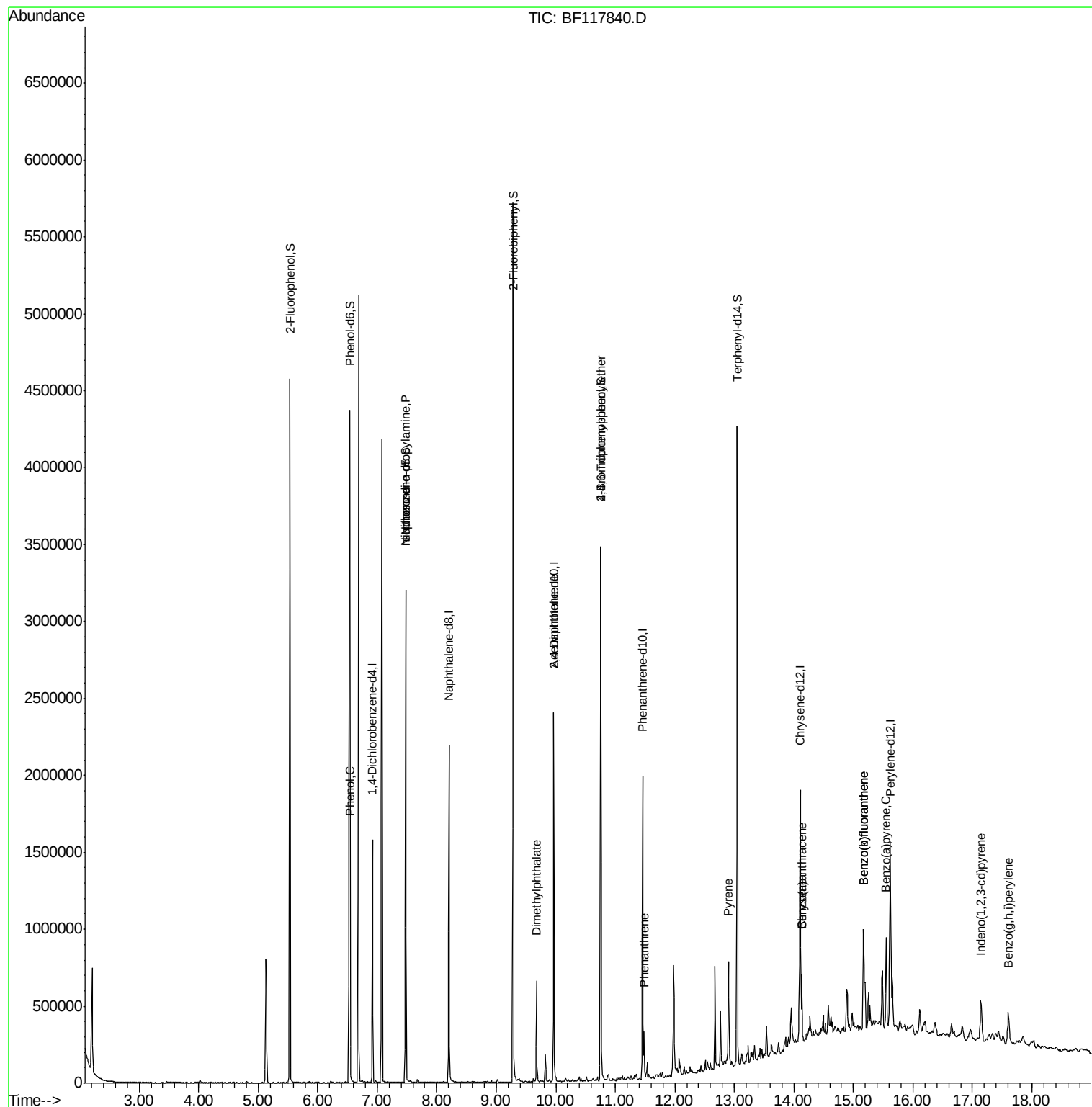
Target Compounds				Qvalue		
9) Benzaldehyde	6.54	77	3262	Below Cal	#	1
10) Phenol	6.55	94	54458	3.226	ng	93
19) n-Nitroso-di-n-propylamine	7.48	70	127023	12.676	ng	# 75
25) Isophorone	7.48	82	924601	32.717	ng	# 62
50) Dimethylphthalate	9.67	163	245395	7.831	ng	98
57) 2,4-Dinitrotoluene	9.97	165	57810	6.635	ng	# 25
67) 4-Bromophenyl-phenylether	10.76	248	25807	3.339	ng	# 1
71) Phenanthrene	11.48	178	97481	2.707	ng	96
75) Fluoranthene	12.67	202	225621	Below Cal		98
78) Pyrene	12.90	202	254631	6.405	ng	99
81) Benzo(a)anthracene	14.13	228	184027	5.662	ng	97
83) Chrysene	14.13	228	184027	5.843	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	189293	7.061	ng	95
88) Benzo(b)fluoranthene	15.17	252	489239	12.522	ng	99
89) Benzo(k)fluoranthene	15.17	252	489239	13.290	ng	97
90) Benzo(a)pyrene	15.55	252	267551	7.788	ng	97
92) Benzo(a,h,i)perylene	17.60	276	176753	6.001	ng	99

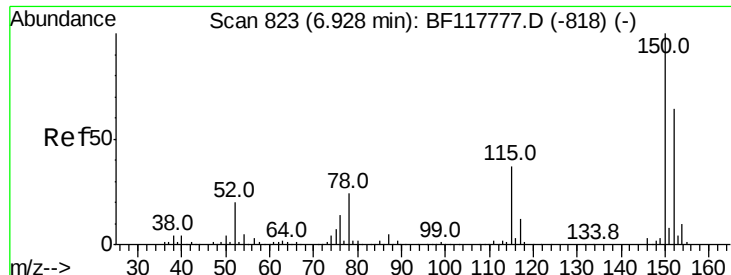
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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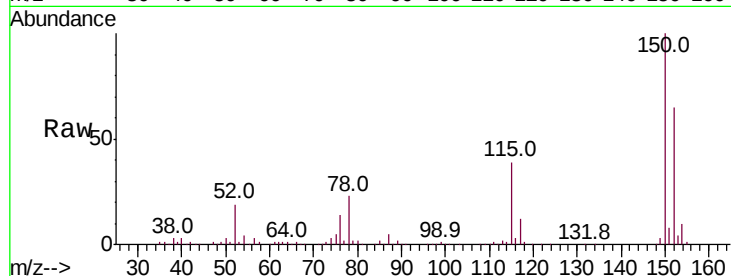


#1

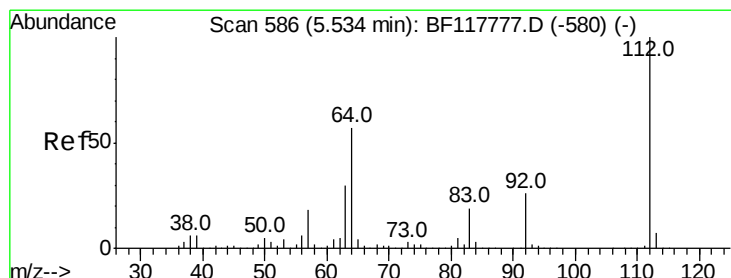
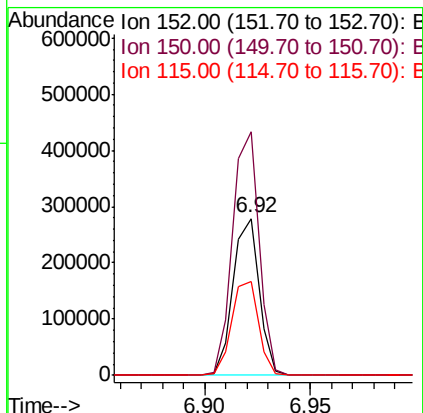
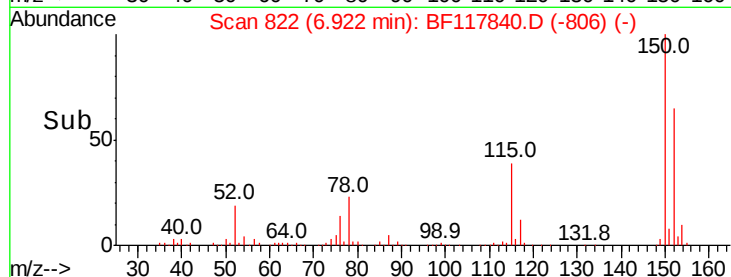
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 238380
Ion Ratio Lower Upper
152 100
150 155.0 125.3 187.9
115 60.0 47.0 70.4



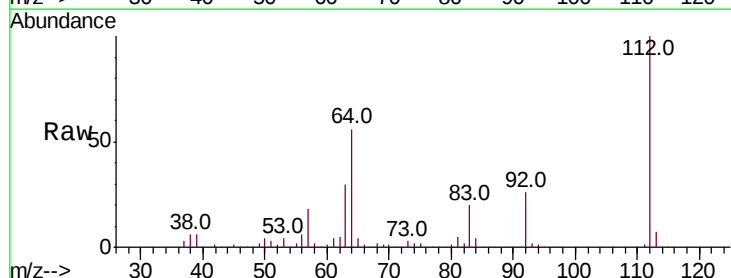
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



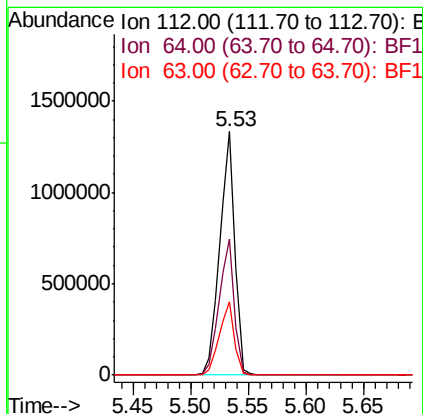
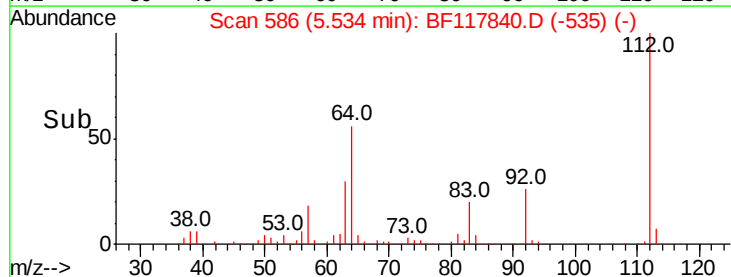
#5

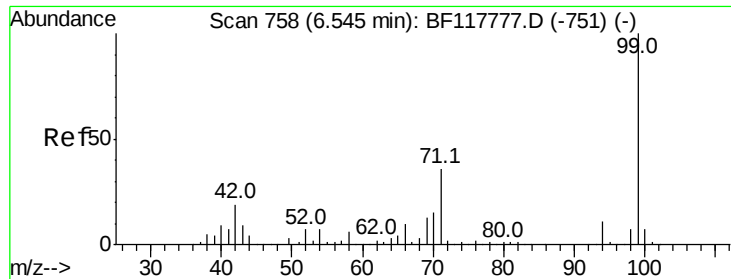
2-Fluorophenol
Concen: 89.933 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion:112 Resp: 1211128
Ion Ratio Lower Upper
112 100
64 56.1 45.6 68.4
63 30.1 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: 93.256 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

Instrument :

BNA_F

ClientSampleId :

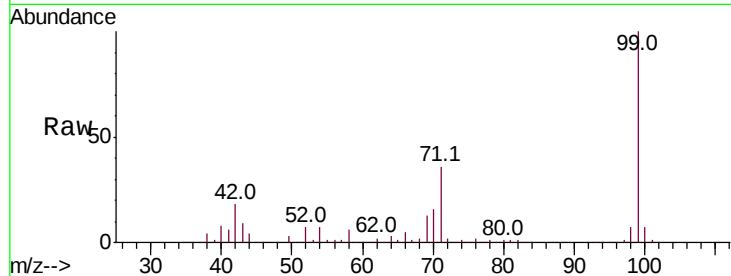
Tot Ion: 99 Resp: 1514785

Ion Ratio Lower Upper

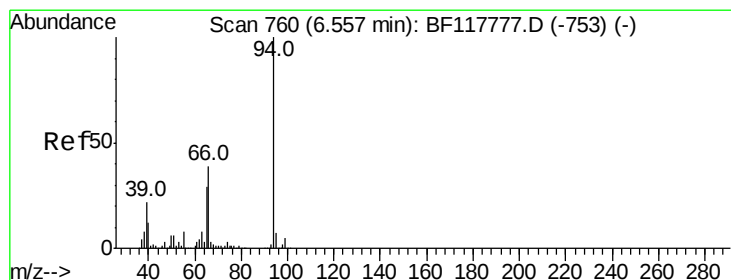
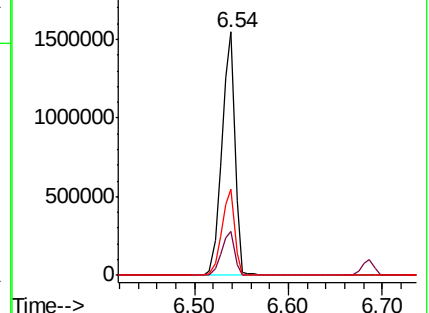
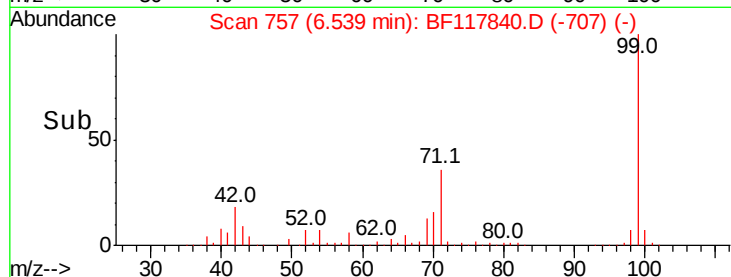
99 100

42 18.1 14.9 22.3

71 35.5 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: 3.226 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

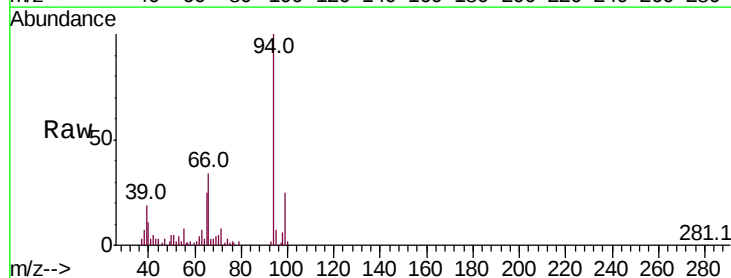
Tgt Ion: 94 Resp: 54458

Ion Ratio Lower Upper

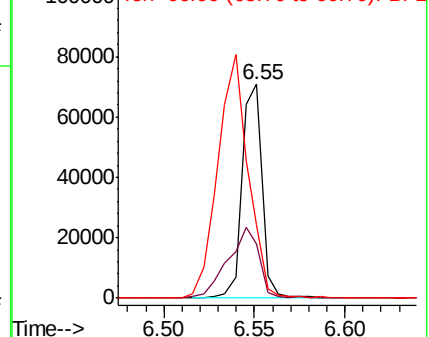
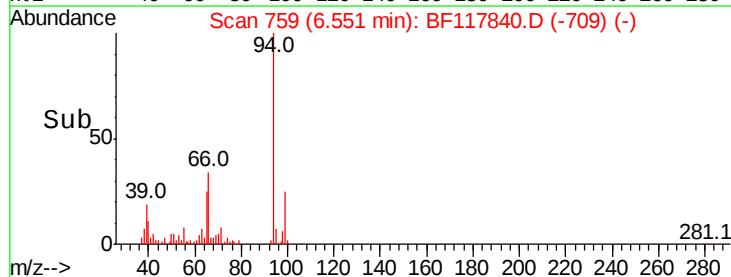
94 100

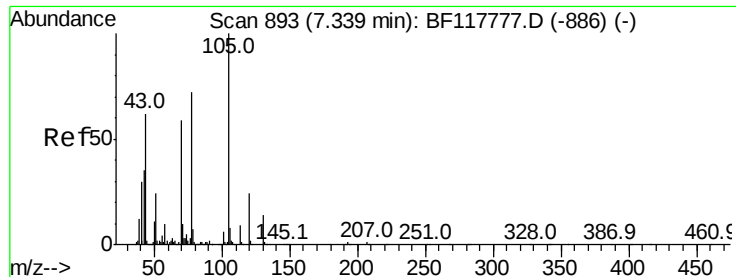
65 25.3 8.9 48.9

66 34.0 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

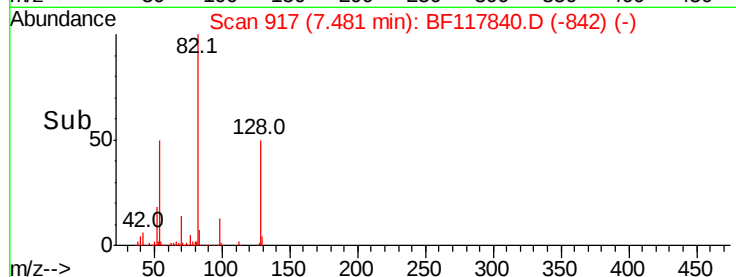
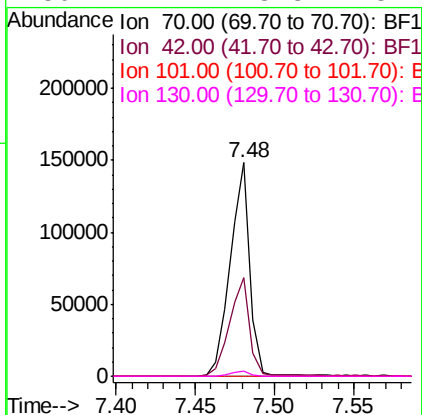
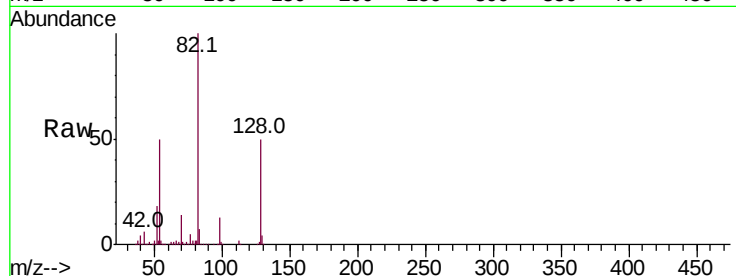




#19
n-Nitroso-di-n-propylamine
Concen: 12.676 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.14 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

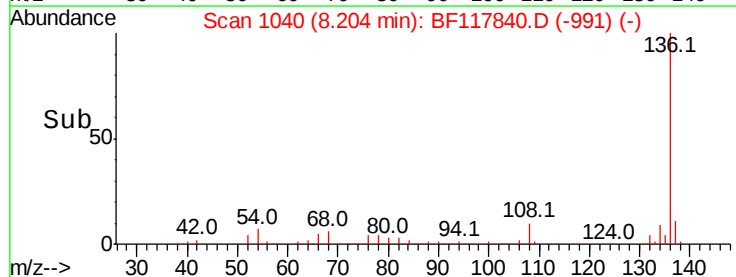
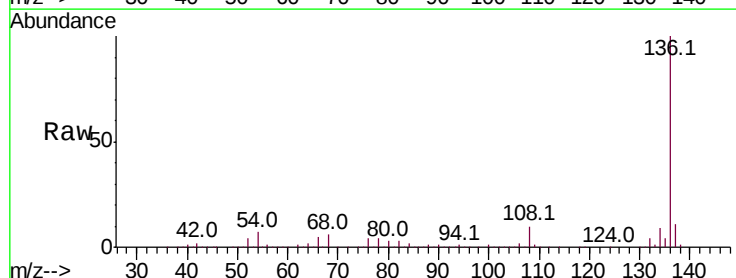
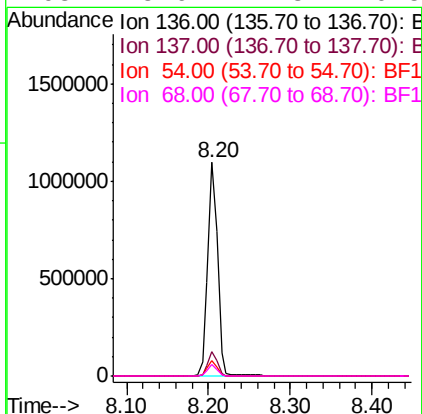
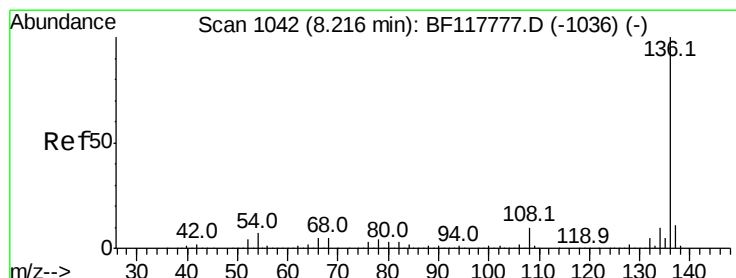
Instrument :
BNA_F
ClientSampleId :

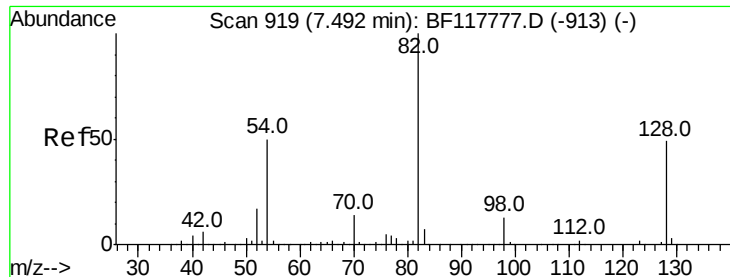
Tot Ion: 70 Resp: 127023
Ion Ratio Lower Upper
70 100
42 46.2 47.4 71.2#
101 0.0 8.4 12.6#
130 2.4 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion: 136 Resp: 916588
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.2 5.4 8.2
68 5.6 4.3 6.5

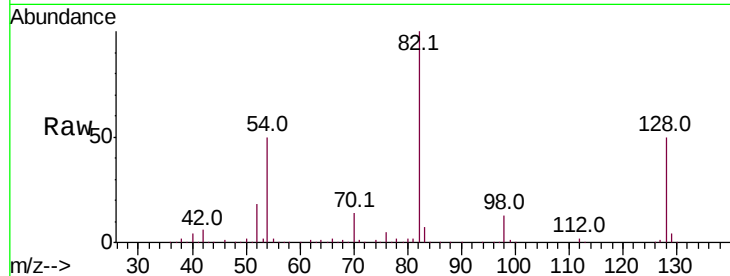




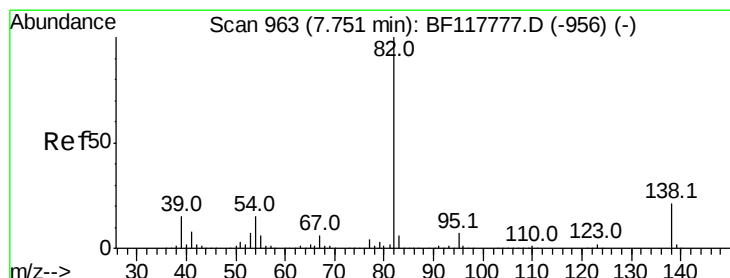
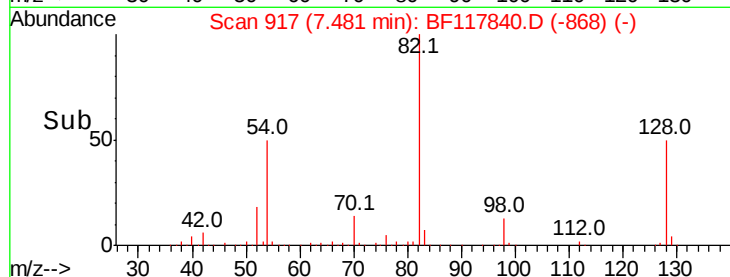
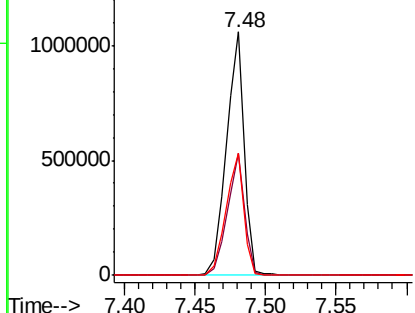
#23
Nitrobenzene-d5
Concen: 59.957 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.2	38.9	58.3
54	50.3	39.8	59.6

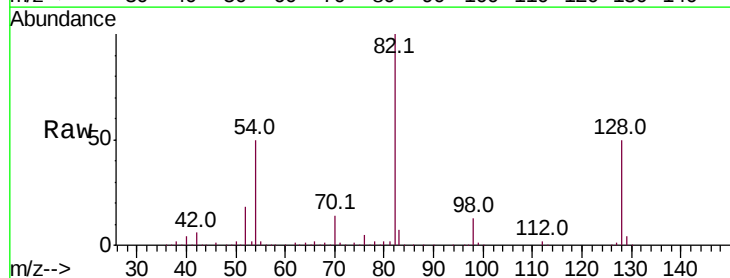


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

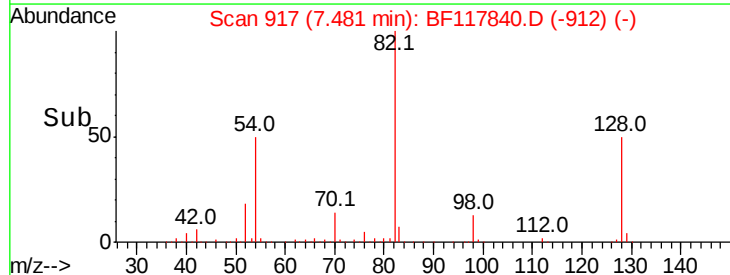
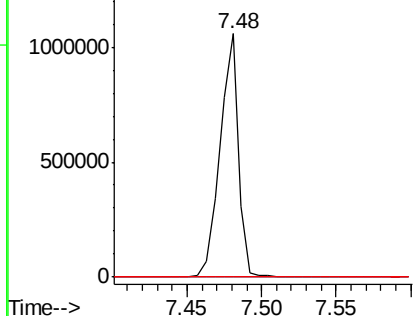


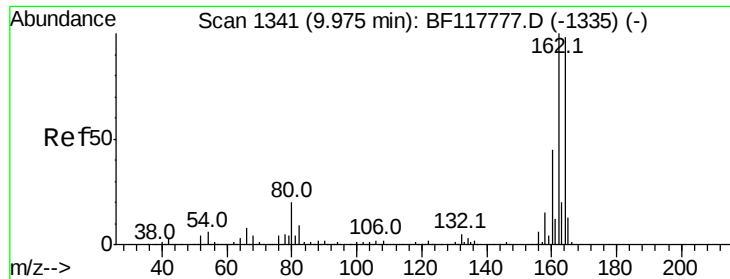
#25
Isophorone
Concen: 32.717 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.27 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt 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): BF1

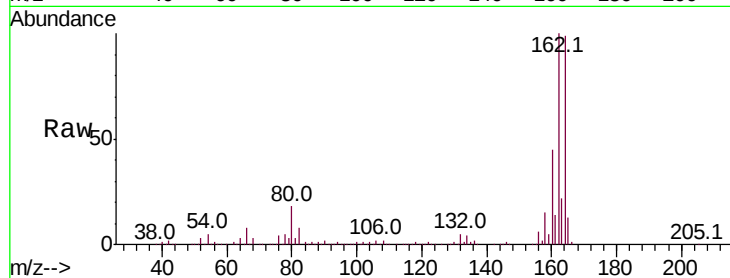




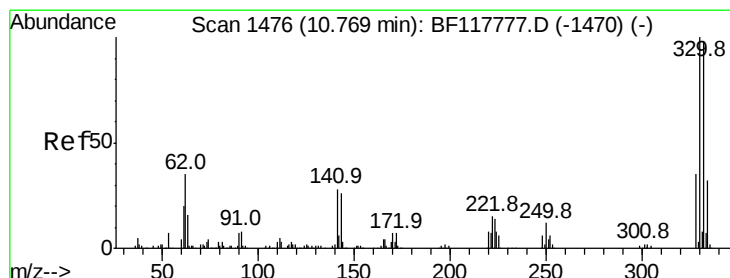
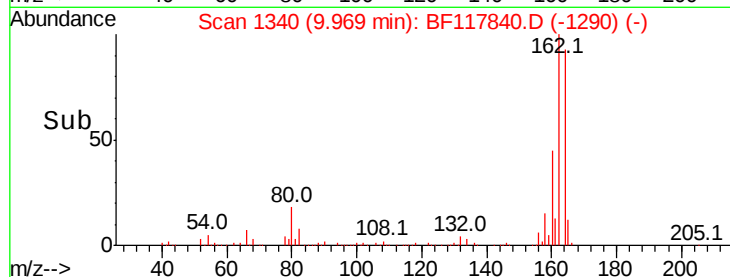
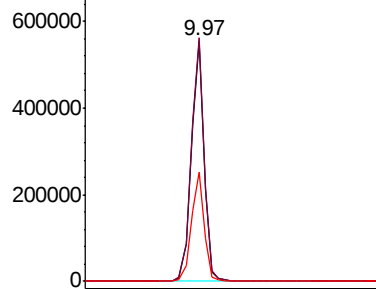
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	45.3	36.6	55.0

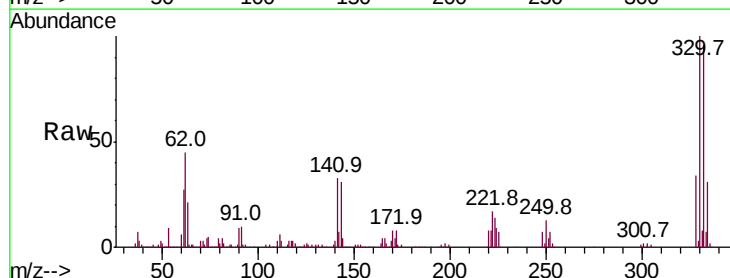


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

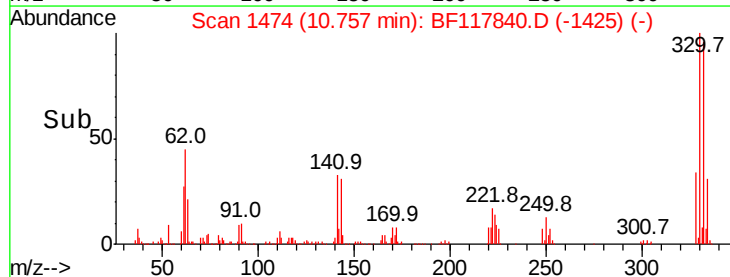
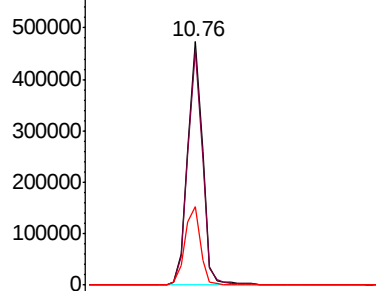


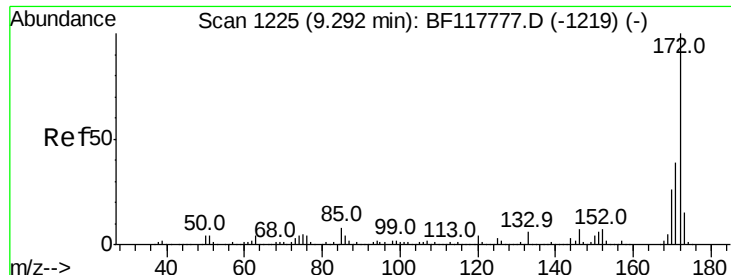
#42
 2,4,6-Tribromophenol
 Concen: 84.527 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.7	115.1
141	34.2	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



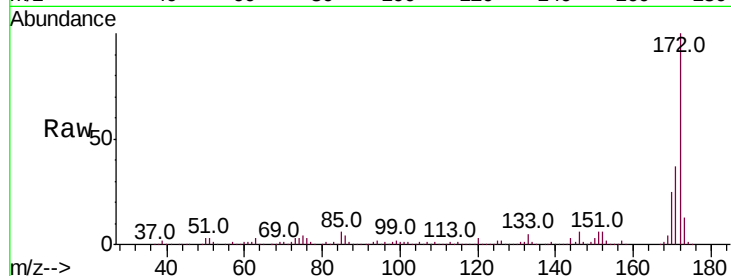


#45
 2-Fluorobiphenyl
 Concen: 69.408 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

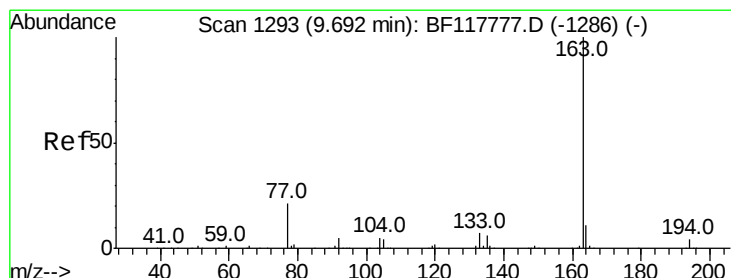
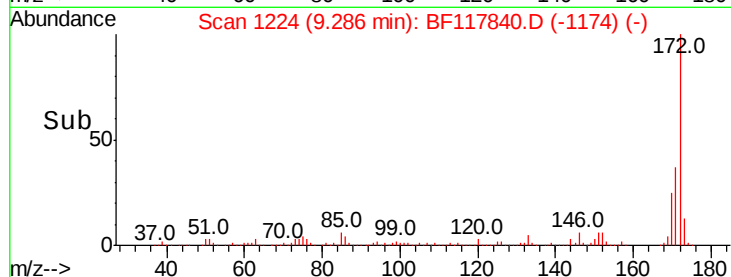
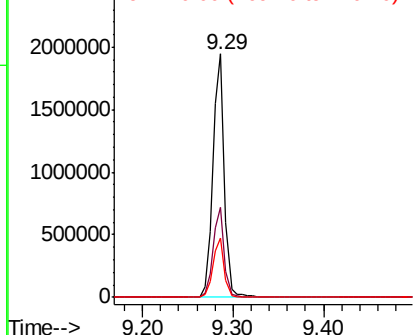
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1728954

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.9	46.3
170	24.5	21.0	31.4



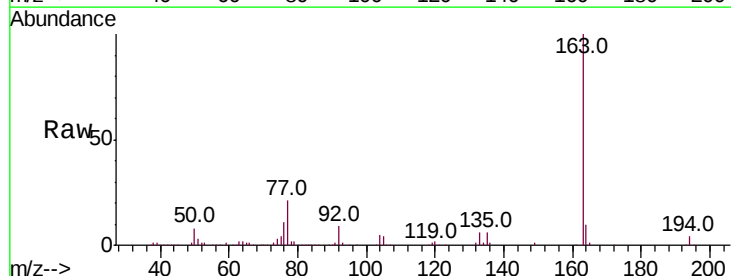
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



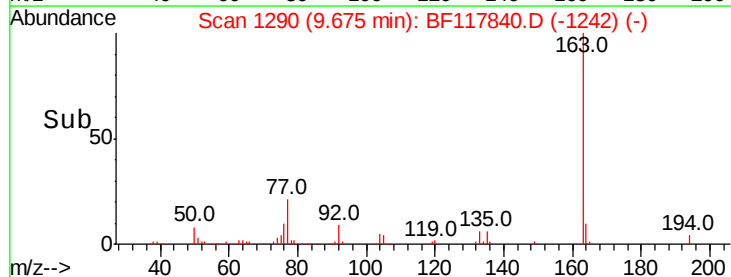
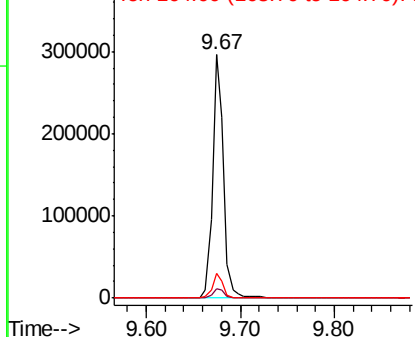
#50
 Dimethylphthalate
 Concen: 7.831 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

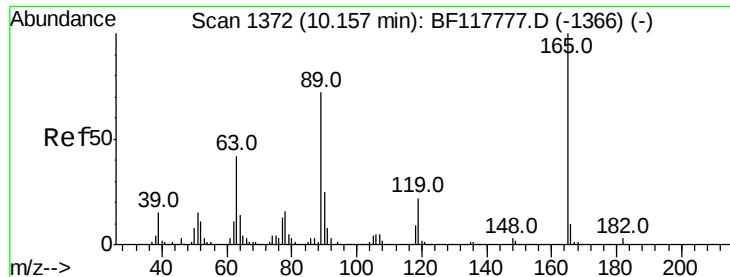
Tgt Ion:163 Resp: 245395

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	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

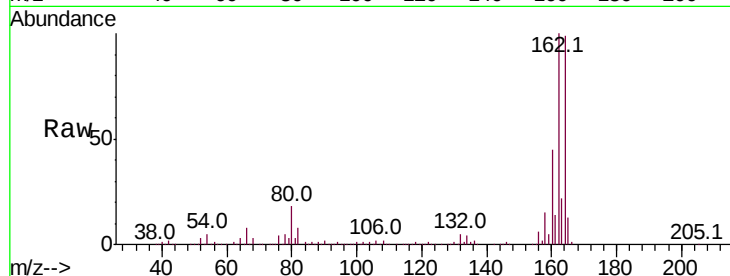




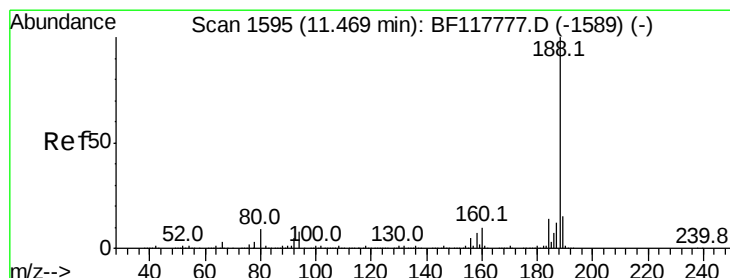
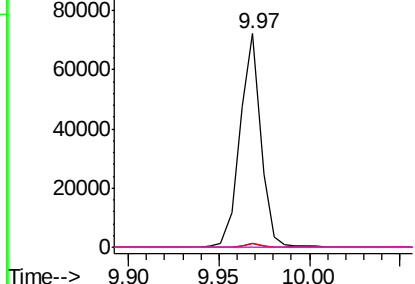
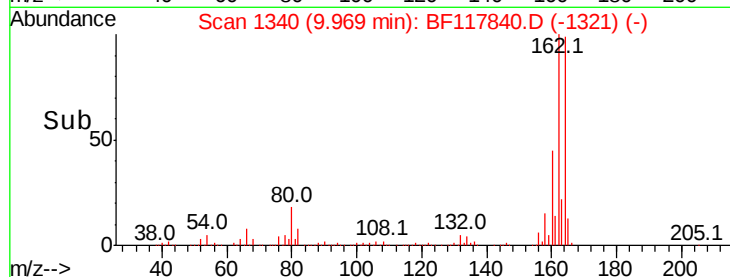
#57
2,4-Dinitrotoluene
Concen: 6.635 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.19 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 57810
Ion Ratio Lower Upper
165 100
63 1.6 33.7 50.5#
89 1.6 57.3 85.9#
182 0.0 2.3 3.5#

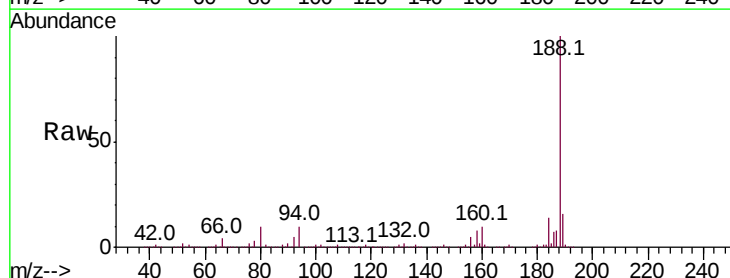


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

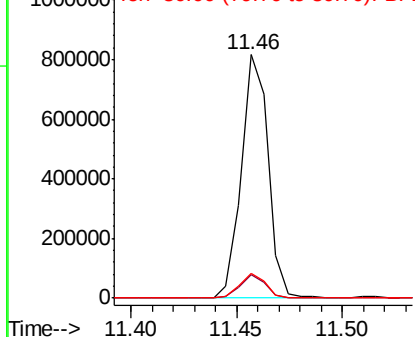
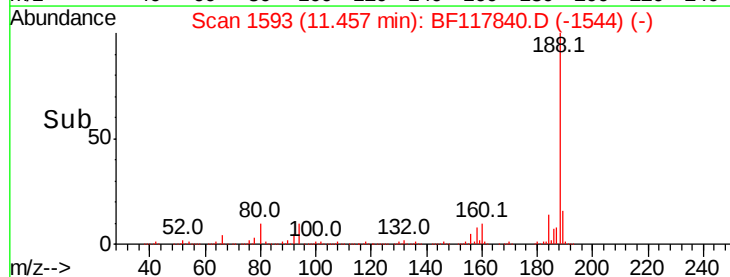


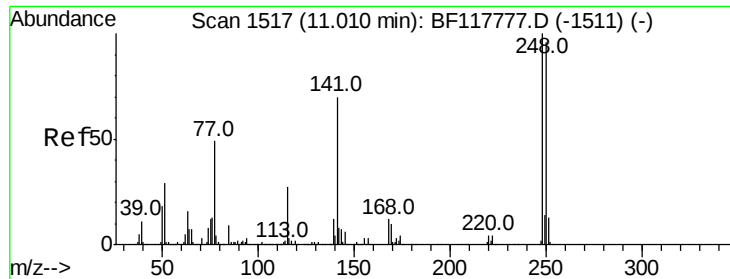
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion:188 Resp: 716268
Ion Ratio Lower Upper
188 100
94 9.5 6.6 10.0
80 10.2 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

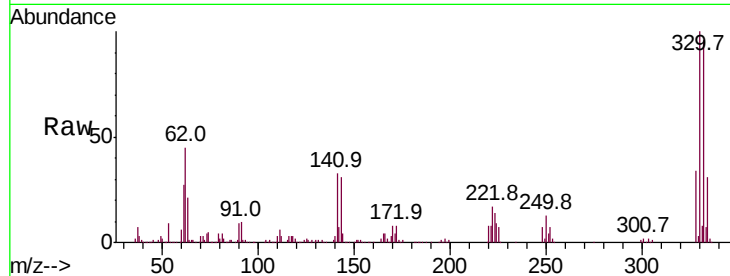




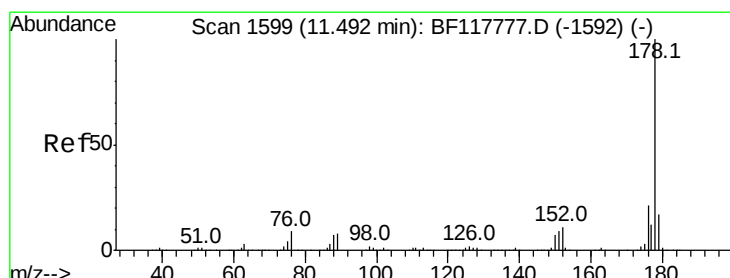
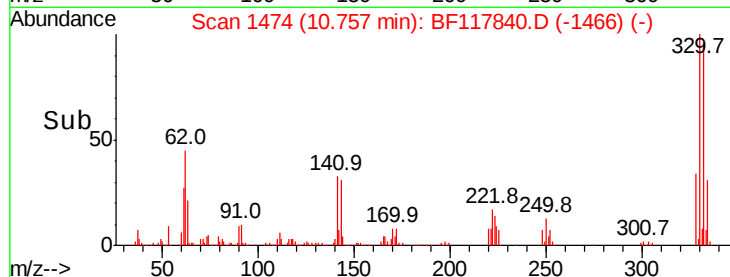
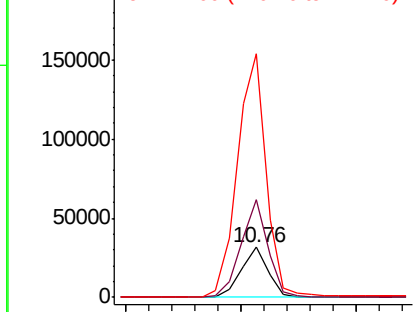
#67
 4-Bromophenyl-phenylether
 Concen: 3.339 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.25 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 25807
 Ion Ratio Lower Upper
 248 100
 250 195.8 76.6 115.0#
 141 485.7 55.9 83.9#

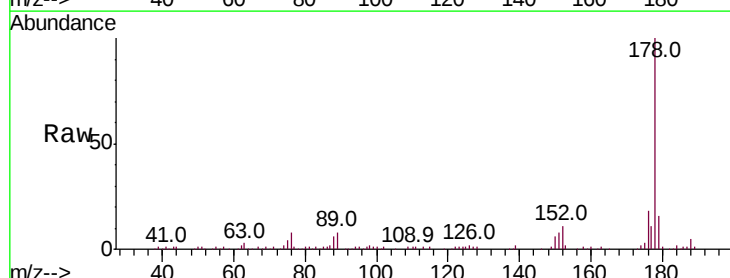


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

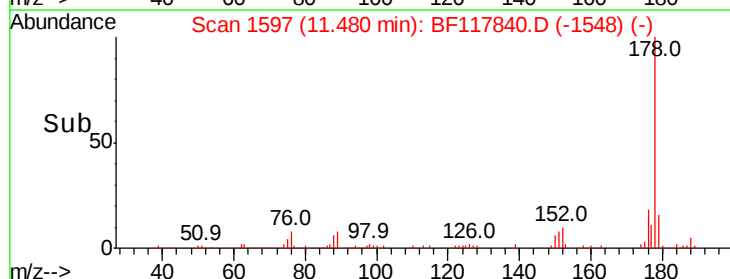
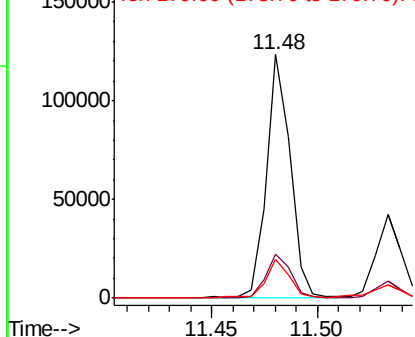


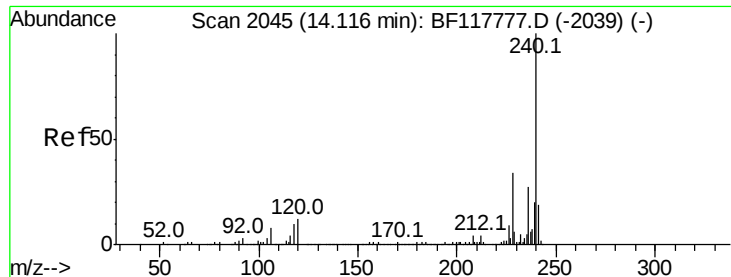
#71
 Phenanthrene
 Concen: 2.707 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Tgt Ion:178 Resp: 97481
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.6 25.0
 179 15.7 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

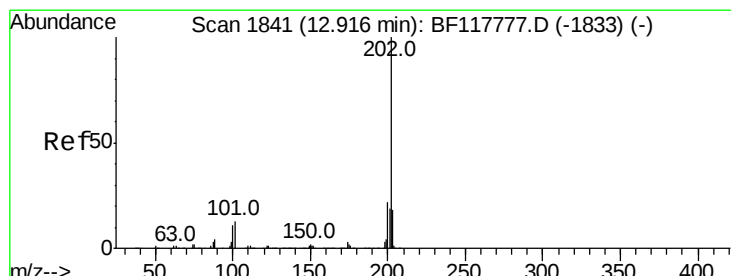
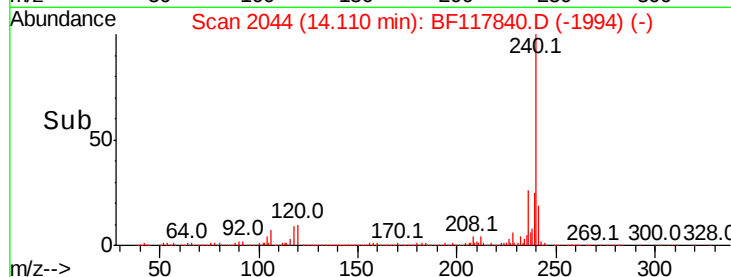
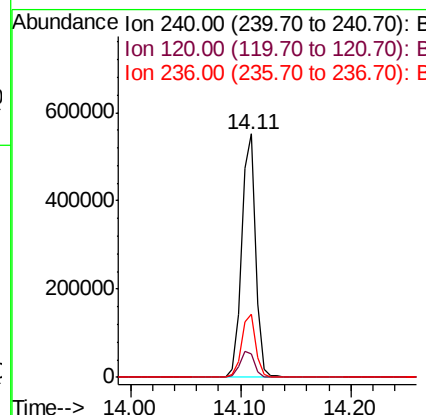
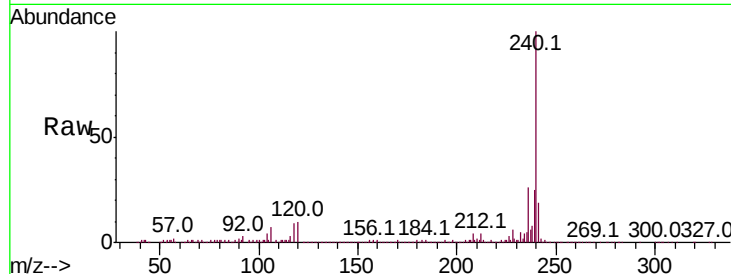




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

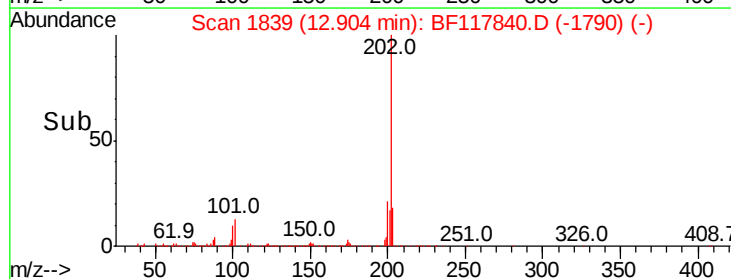
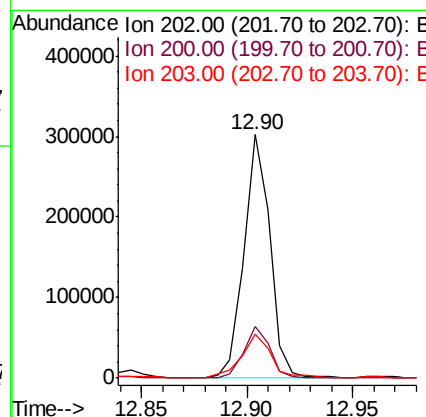
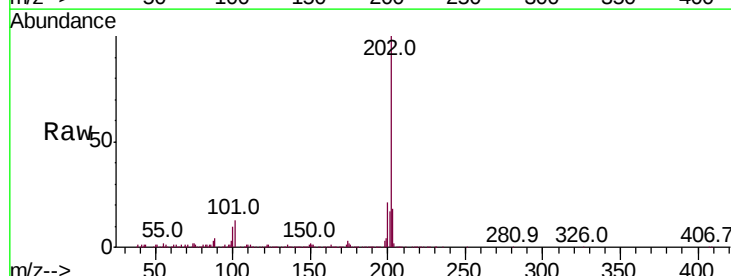
Instrument :
 BNA_F
 ClientSampleId :

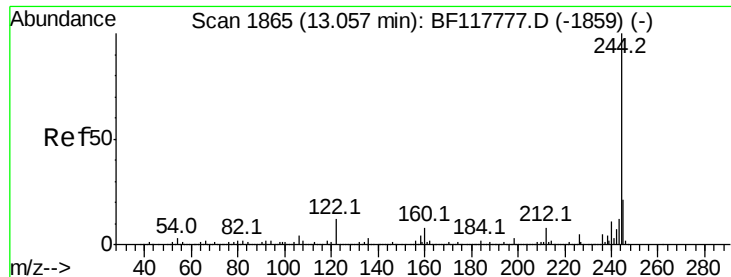
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.5	14.3
236	26.1	21.3	31.9



#78
 Pyrene
 Concen: 6.405 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.8
203	18.1	14.6	22.0



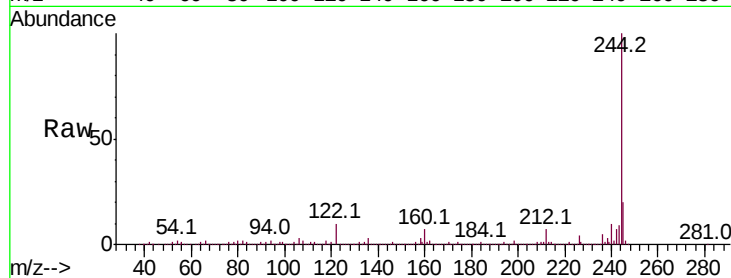


#79
 Terphenyl-d14
 Concen: 52.804 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

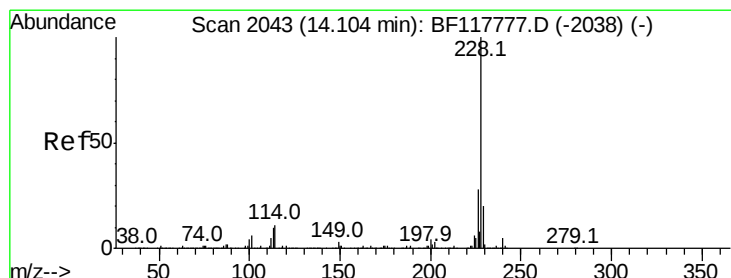
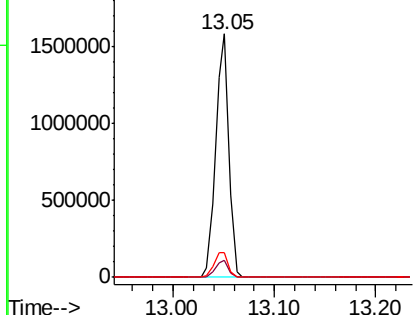
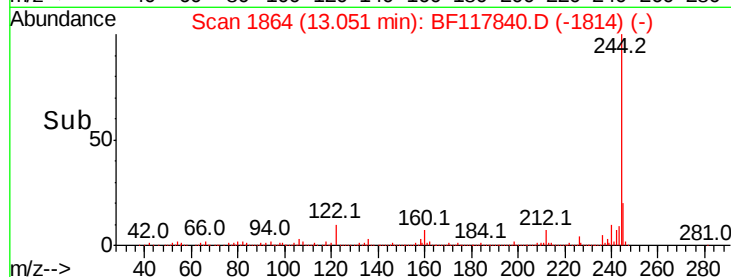
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1421191

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	10.4	9.4	14.2



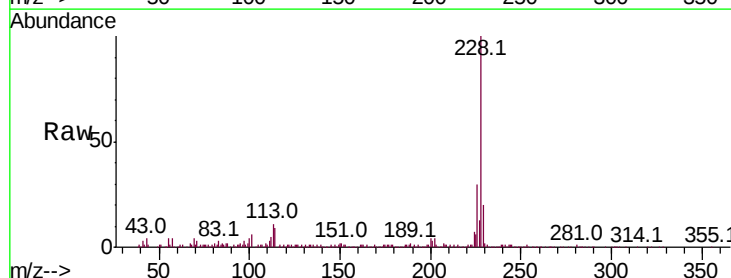
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



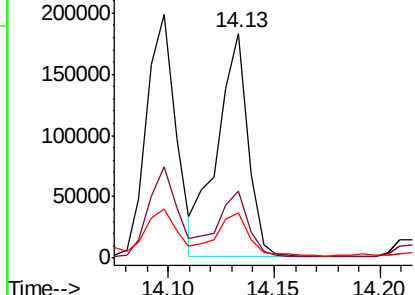
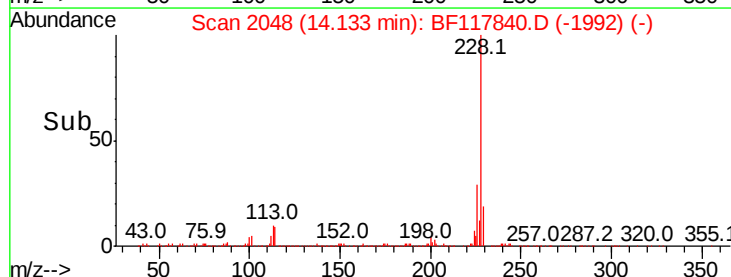
#81
 Benzo(a)anthracene
 Concen: 5.662 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.03 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

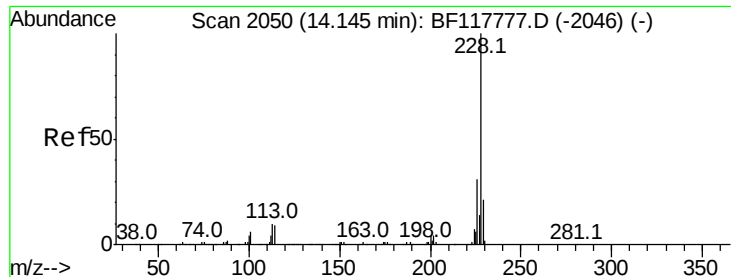
Tgt Ion:228 Resp: 184027

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.2	33.2
229	20.4	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

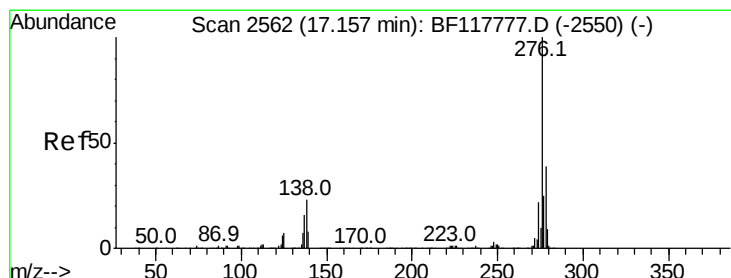
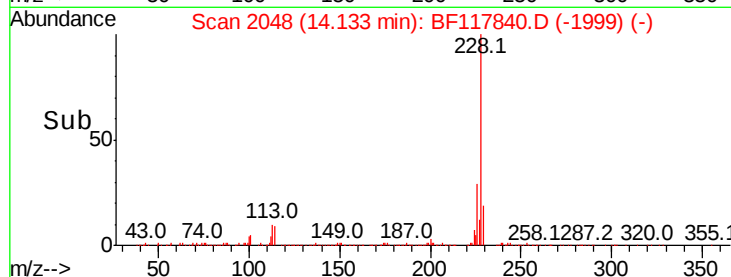
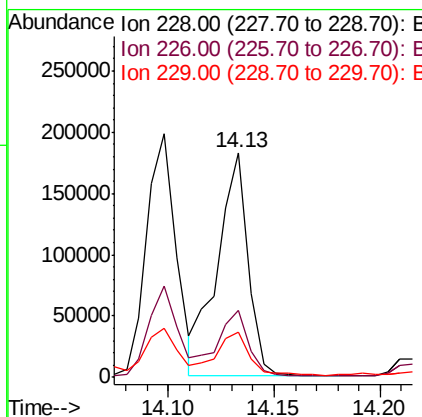
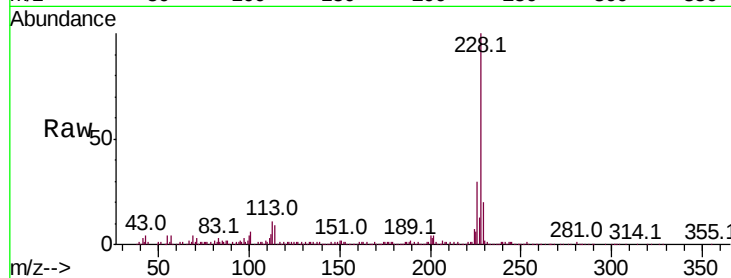




#83
Chrysene
Concen: 5.843 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

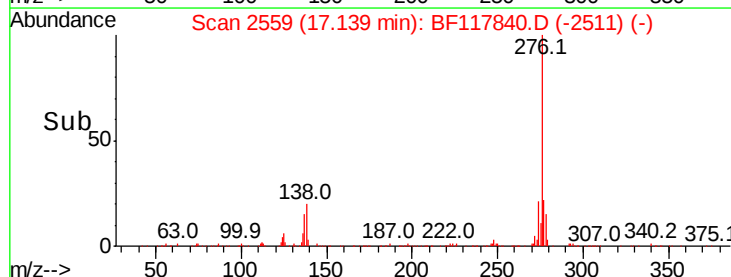
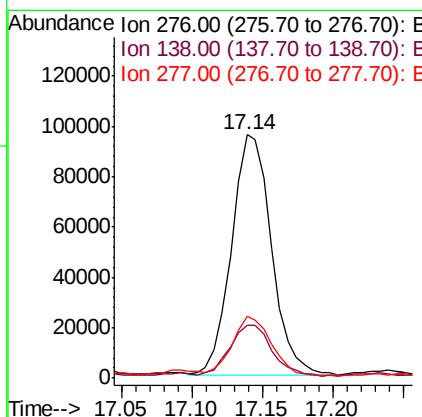
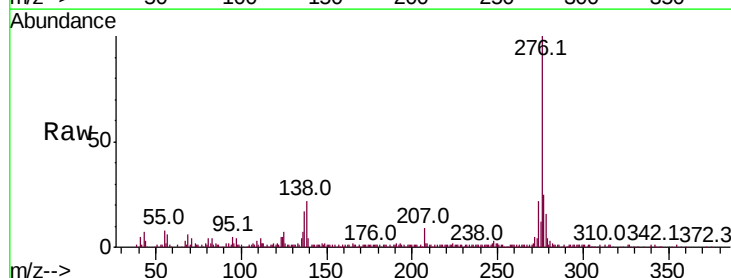
Instrument :
BNA_F
ClientSampled :

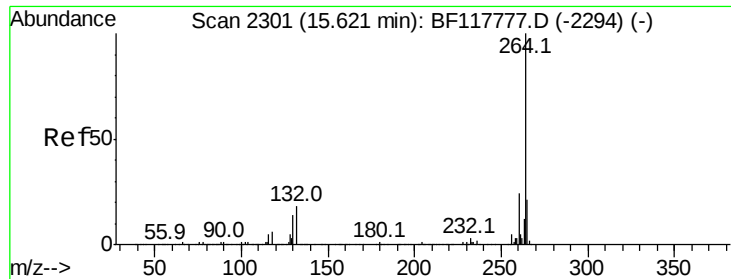
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	20.4	16.6	25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.061 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.9	31.3
277	24.0	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

Instrument :

BNA_F

ClientSampleId :

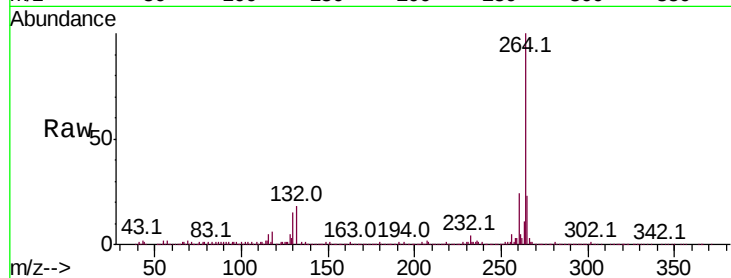
Tot Ion:264 Resp: 601354

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.0

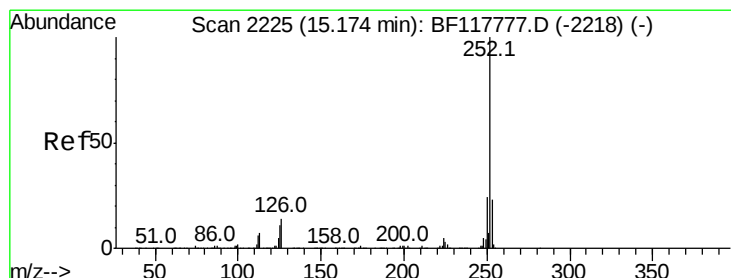
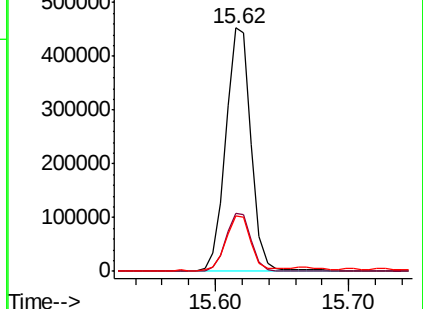
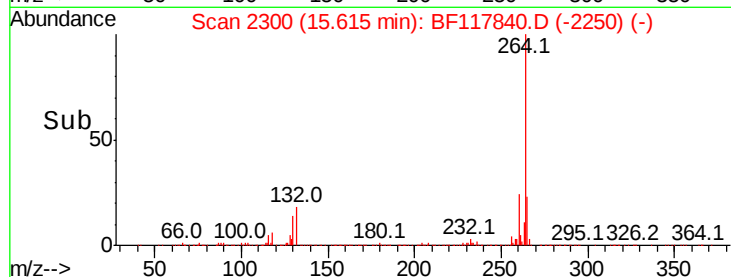
265 22.8 17.1 25.7



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: 12.522 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

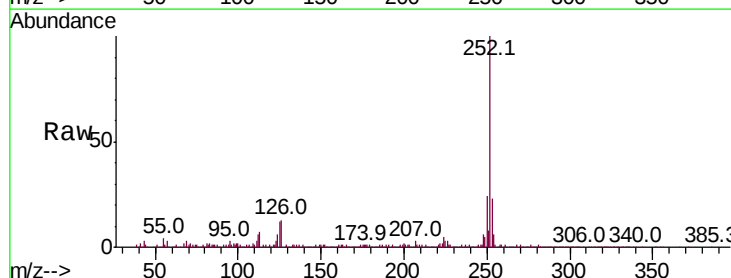
Tgt Ion:252 Resp: 489239

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

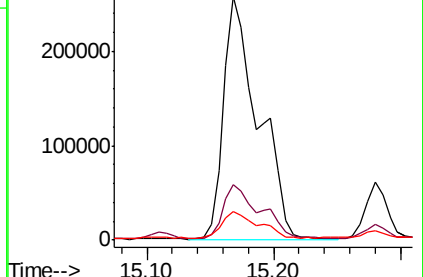
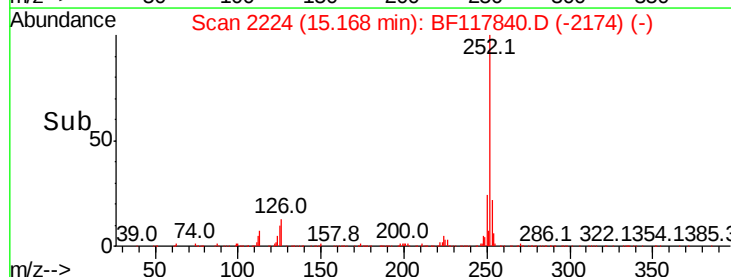
125 11.5 8.6 13.0

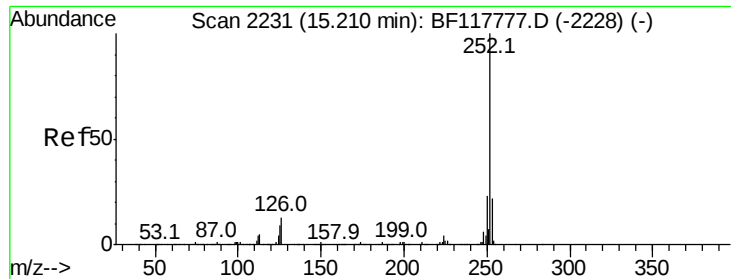


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

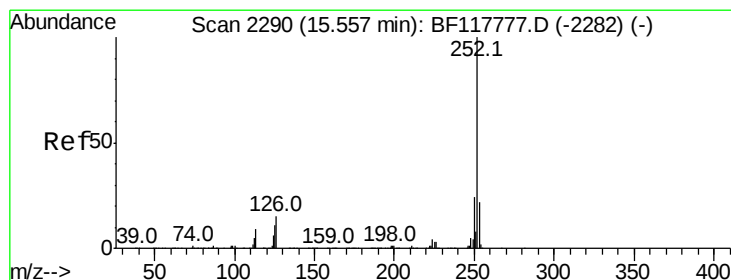
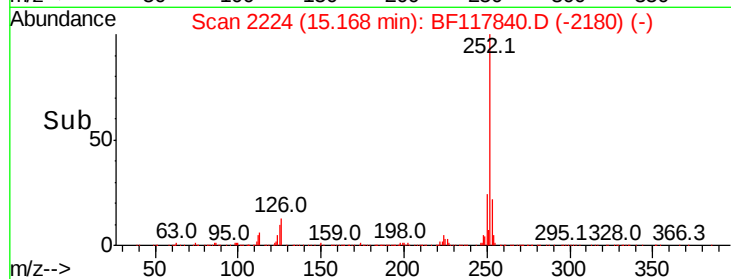
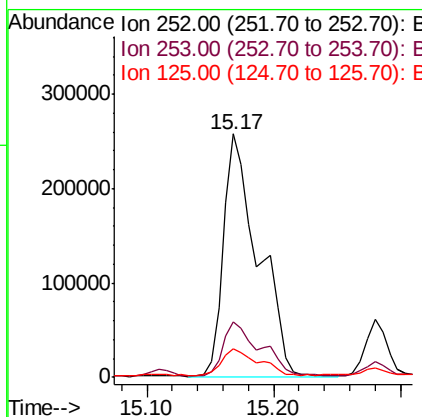
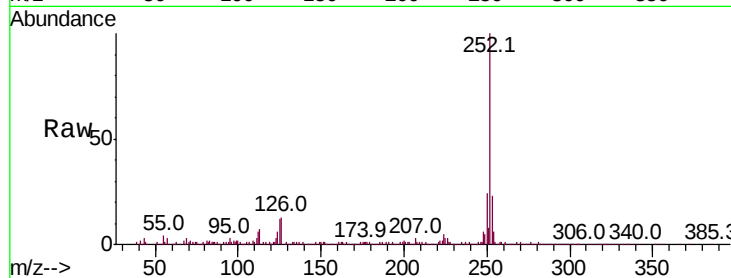




#89
Benzo(k)fluoranthene
Concen: 13.290 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

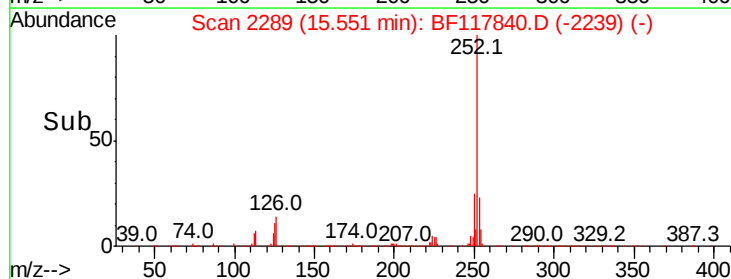
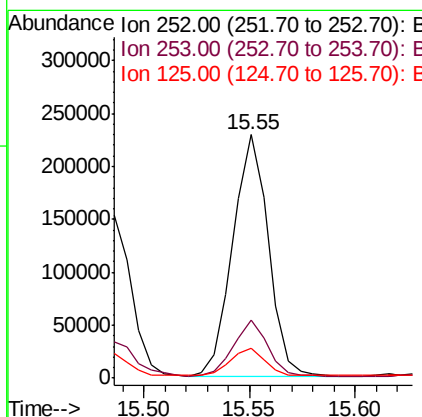
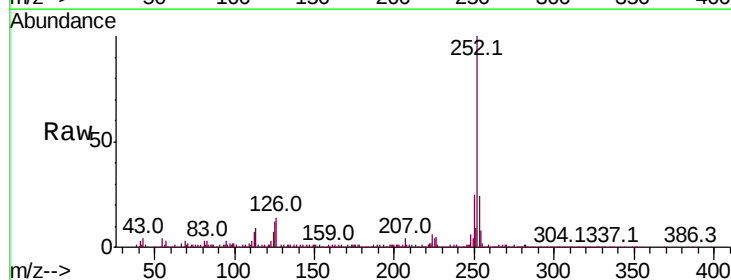
Instrument :
BNA_F
ClientSampleId :

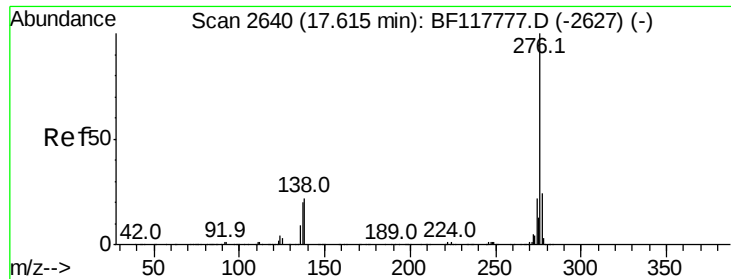
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.5	7.9	11.9



#90
Benzo(a)pyrene
Concen: 7.788 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	12.4	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.001 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.5	17.4	26.2

