

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117622.D
 Acq On : 30 Oct 2019 14:12
 Operator : JU
 Sample : K5542-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:23:42 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	37523	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	156324	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	73342	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	105413	20.00	ng	0.00
76) Chrysene-d12	13.89	240	79556	20.00	ng	0.00
87) Perylene-d12	15.33	264	72376	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	234604	93.02	ng	0.00
7) Phenol-d6	6.39	99	324190	95.70	ng	0.00
23) Nitrobenzene-d5	7.29	82	194080	61.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	52024	81.98	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	317650	61.02	ng	-0.01
79) Terphenyl-d14	12.83	244	248729	51.00	ng	0.00

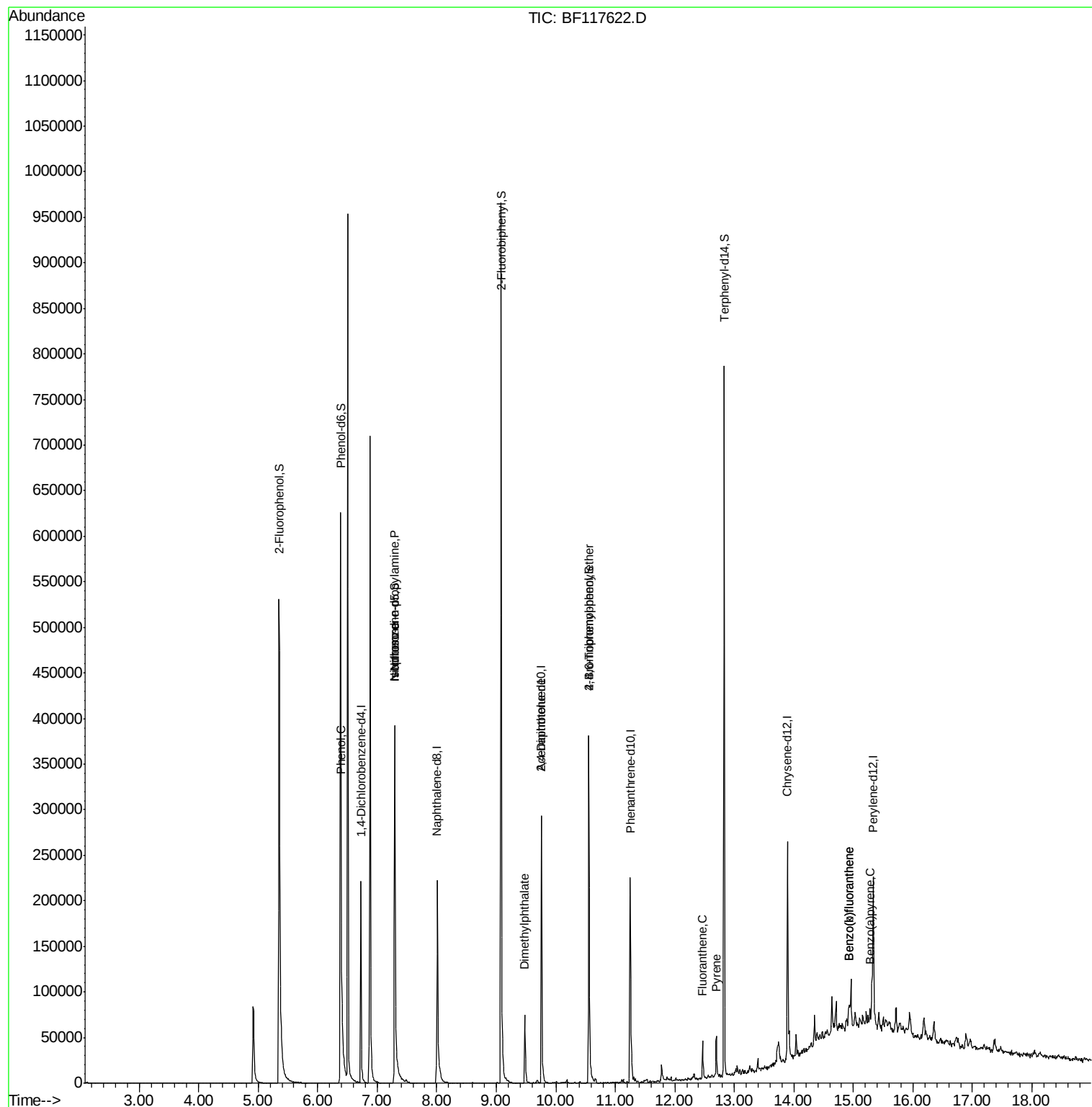
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	221	Below Cal	#	3
10) Phenol	6.40	94	7858	2.273	ng	80
19) n-Nitroso-di-n-propylamine	7.29	70	25858	12.499	ng	80
25) Isophorone	7.29	82	194099	35.434	ng	65
50) Dimethylphthalate	9.48	163	40690	7.782	ng	99
57) 2,4-Dinitrotoluene	9.76	165	9602	6.619	ng	12
67) 4-Bromophenyl-phenylether	10.56	248	3079	2.712	ng	1
75) Fluoranthene	12.47	202	19992	3.263	ng	97
77) Benzidine	12.83	184	3696	Below Cal	#	92
78) Pyrene	12.70	202	19131	2.800	ng	95
88) Benzo(b)fluoranthene	14.93	252	15223	3.562	ng	96
89) Benzo(k)fluoranthene	14.93	252	15223	3.475	ng	96
90) Benzo(a)pyrene	15.28	252	7832	2.016	ng	78

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

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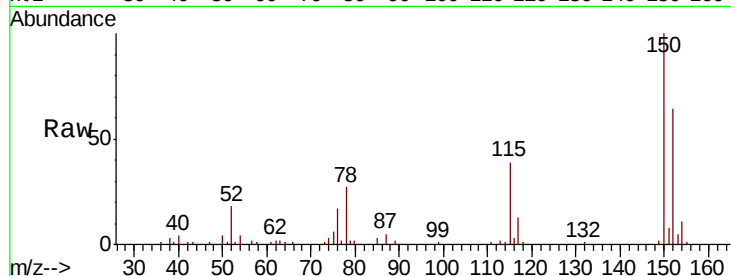


#1

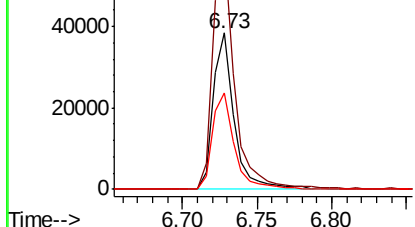
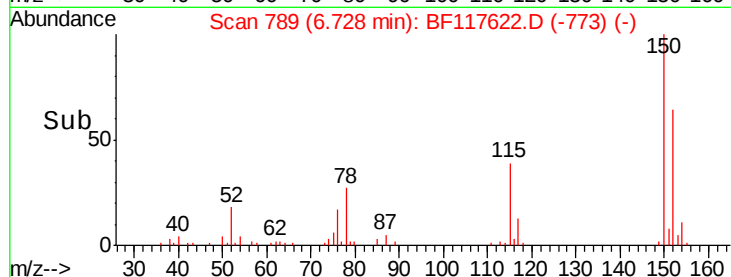
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 37523
Ion Ratio Lower Upper
152 100
150 155.6 126.8 190.2
115 61.3 51.6 77.4



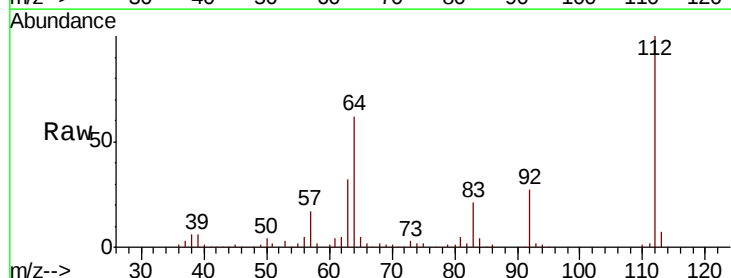
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



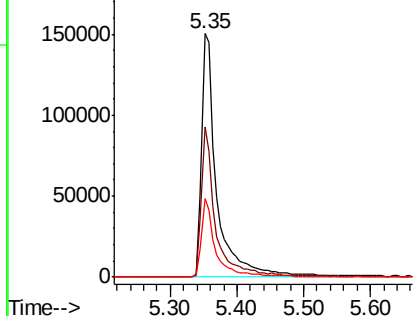
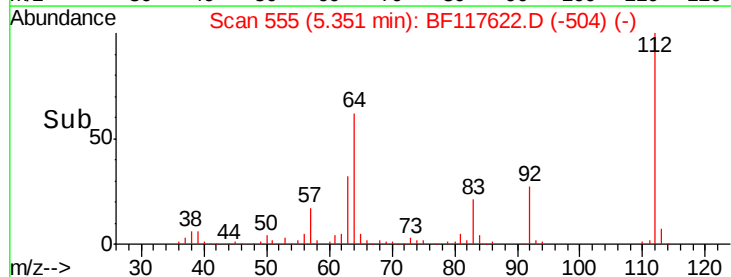
#5

2-Fluorophenol
Concen: 93.015 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

Tgt Ion:112 Resp: 234604
Ion Ratio Lower Upper
112 100
64 61.6 44.1 66.1
63 32.1 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: 95.699 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117622.D

Acq: 30 Oct 2019 14:12

Instrument :

BNA_F

ClientSampleId :

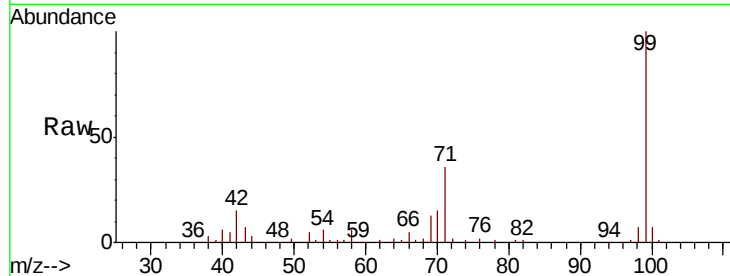
Tot Ion: 99 Resp: 324190

Ion Ratio Lower Upper

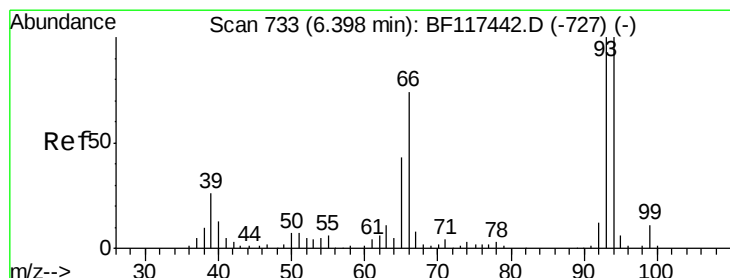
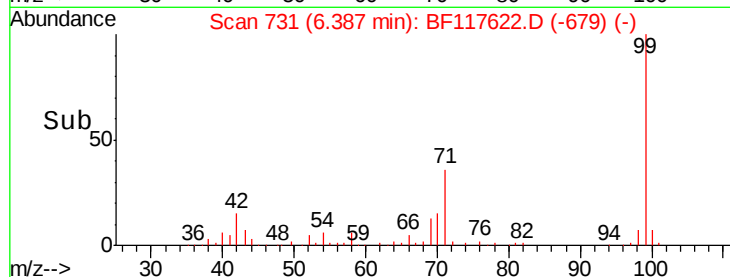
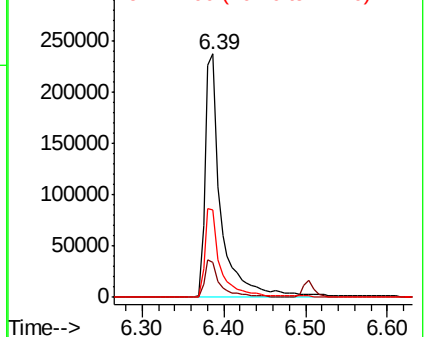
99 100

42 14.6 12.8 19.2

71 35.7 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: 2.273 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117622.D

Acq: 30 Oct 2019 14:12

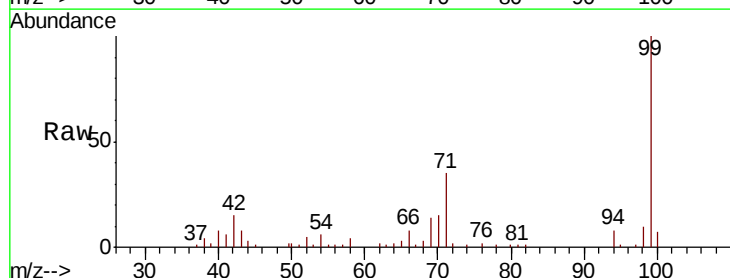
Tgt Ion: 94 Resp: 7858

Ion Ratio Lower Upper

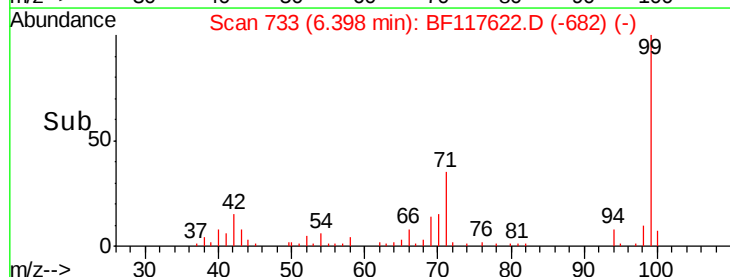
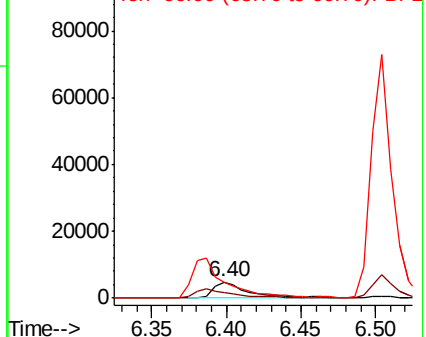
94 100

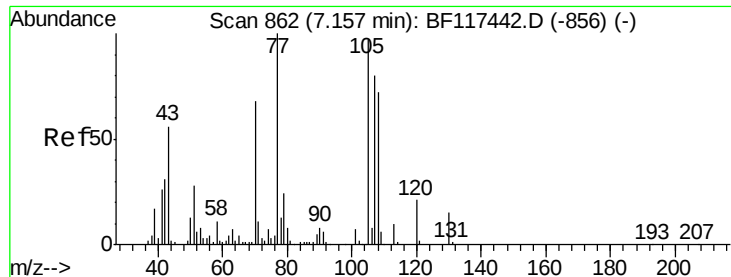
65 34.9 23.4 63.4

66 94.4 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

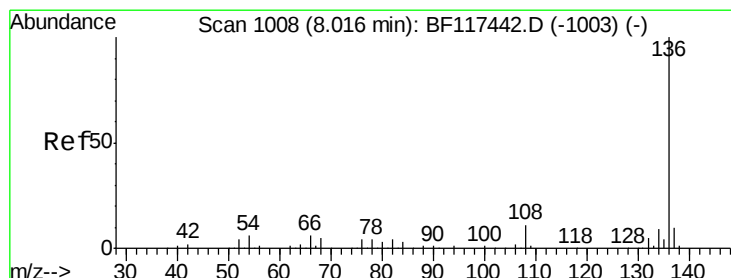
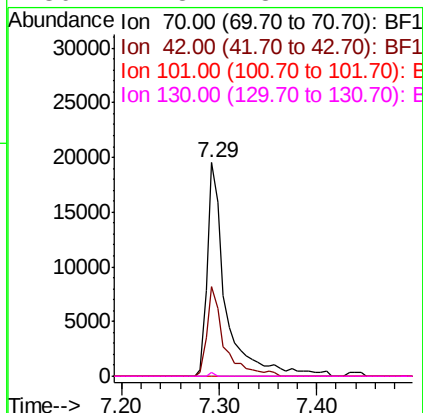
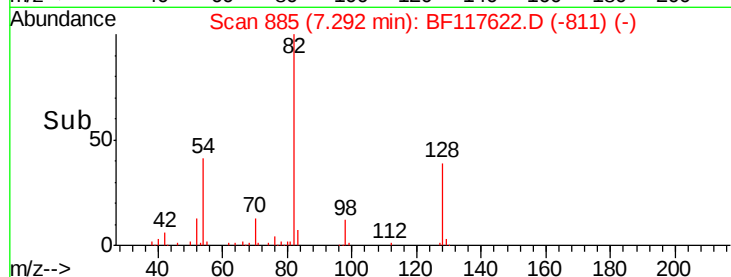
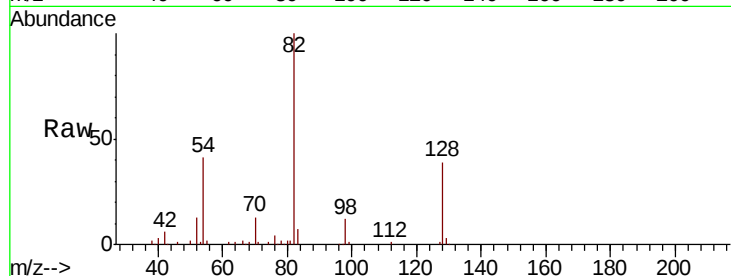




#19
n-Nitroso-di-n-propylamine
Concen: 12.499 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

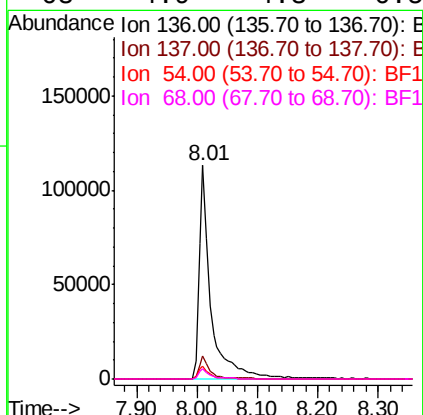
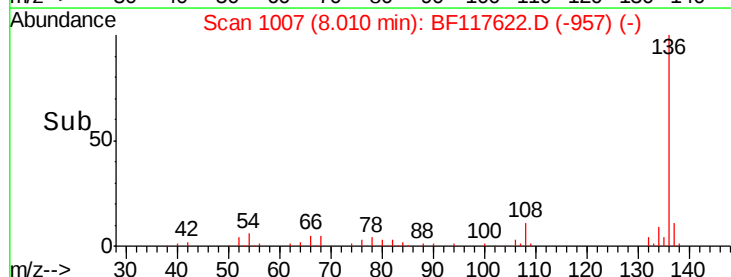
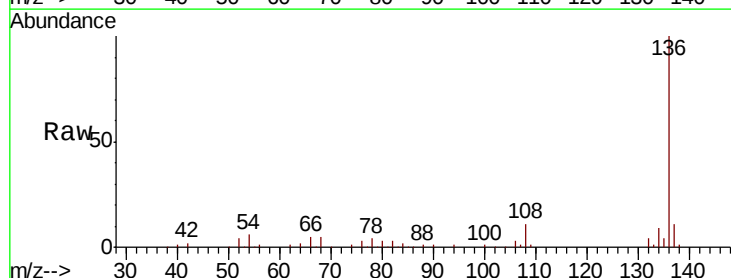
Instrument :
BNA_F
ClientSampleId :

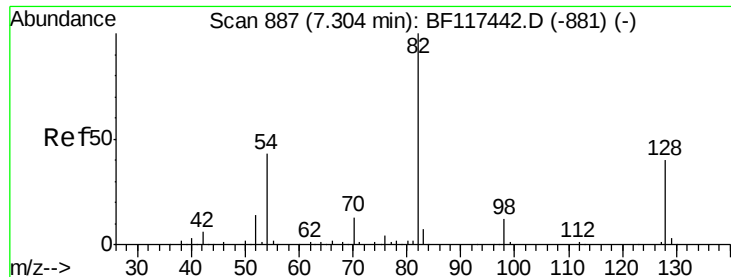
Tot Ion: 70 Resp: 25858
Ion Ratio Lower Upper
70 100
42 41.9 36.7 55.1
101 0.0 8.3 12.5#
130 1.8 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

Tgt Ion:136 Resp: 156324
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 5.9 4.5 6.7
68 4.9 4.3 6.5

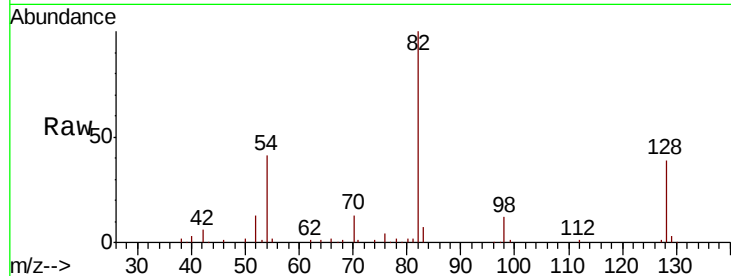




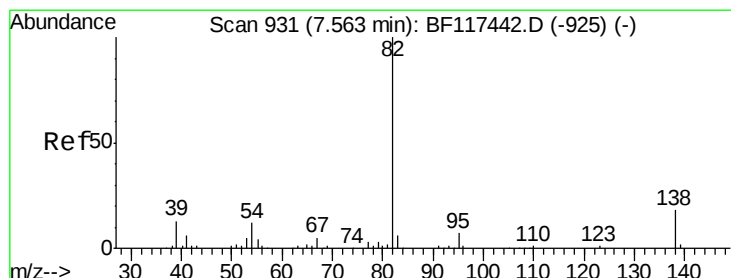
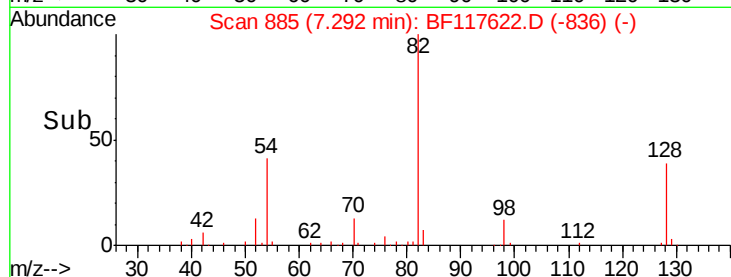
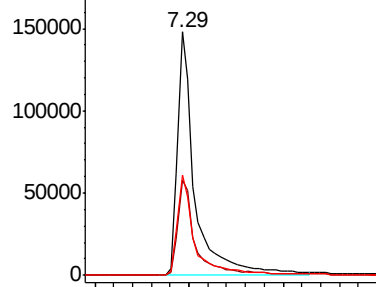
#23
 Nitrobenzene-d5
 Concen: 61.291 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117622.D
 Acq: 30 Oct 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.2	48.2
54	40.9	34.2	51.2

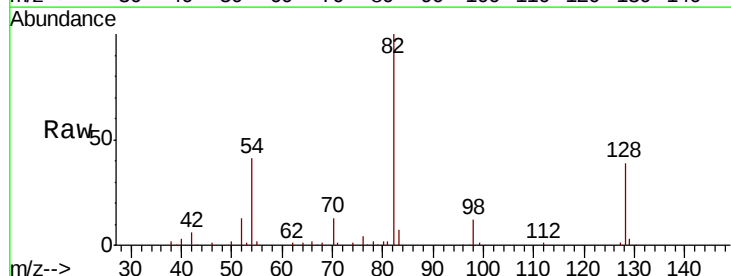


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

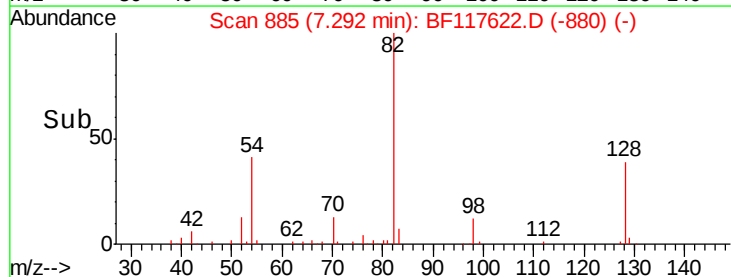
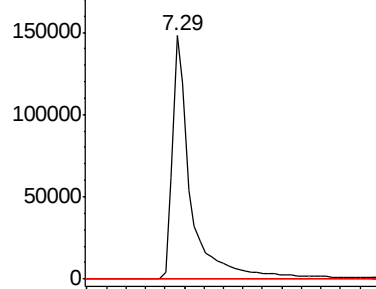


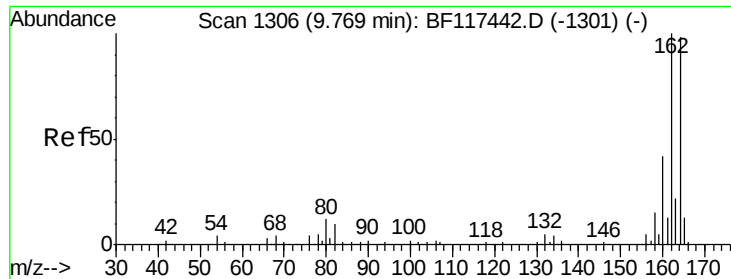
#25
 Isophorone
 Concen: 35.434 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117622.D
 Acq: 30 Oct 2019 14:12

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



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

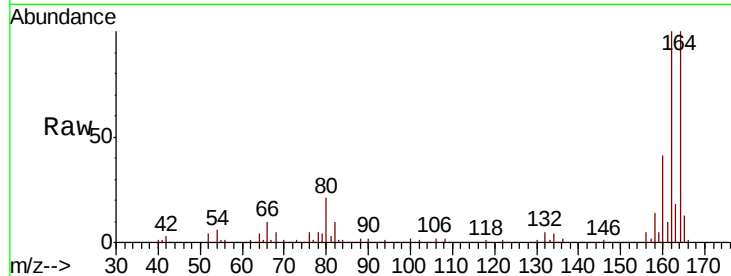




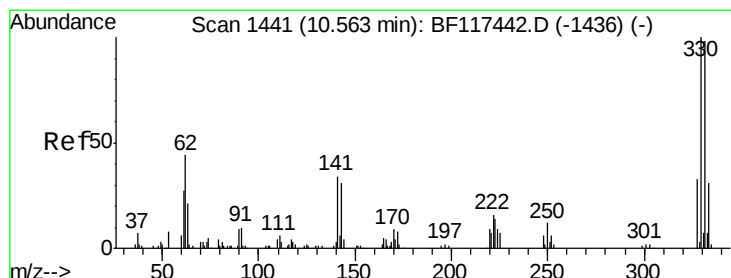
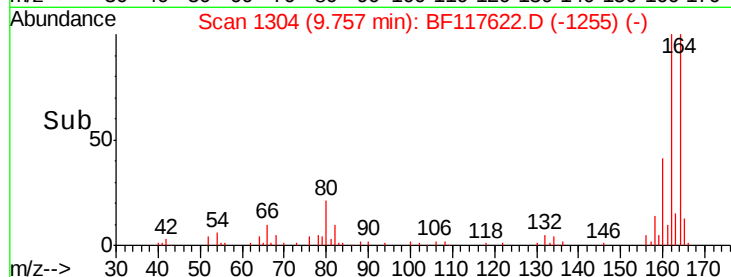
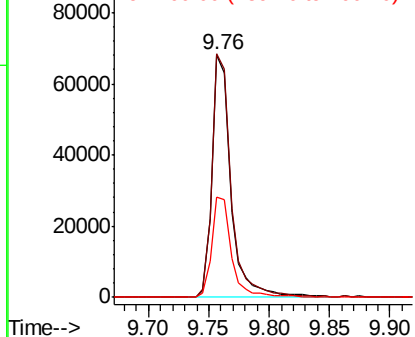
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 73342
Ion Ratio Lower Upper
164 100
162 100.2 81.8 122.6
160 41.5 34.4 51.6

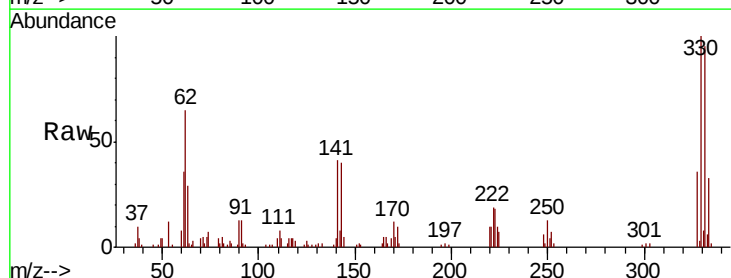


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

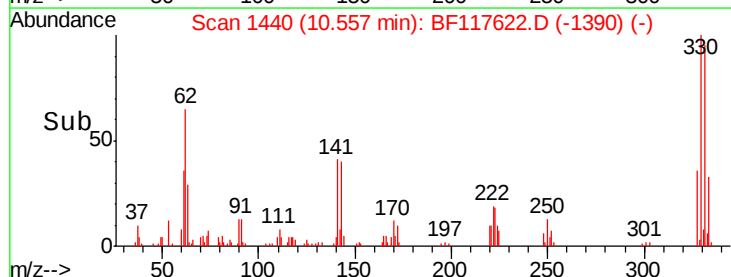
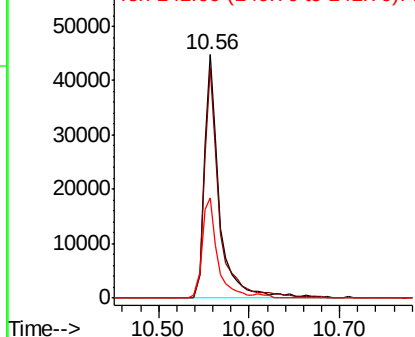


#42
2,4,6-Tribromophenol
Concen: 81.980 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

Tgt Ion:330 Resp: 52024
Ion Ratio Lower Upper
330 100
332 93.8 78.5 117.7
141 41.8 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

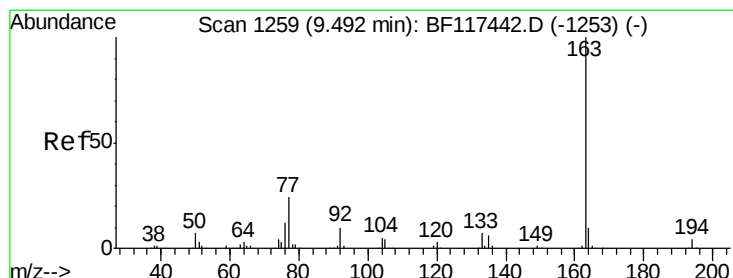
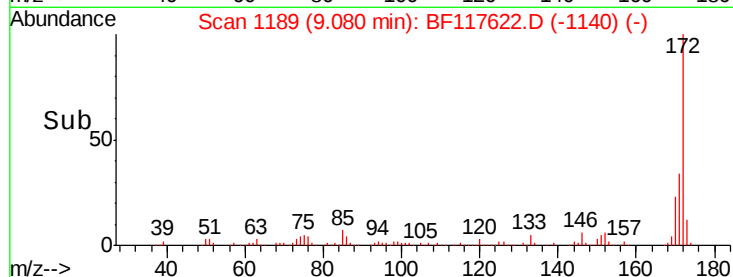
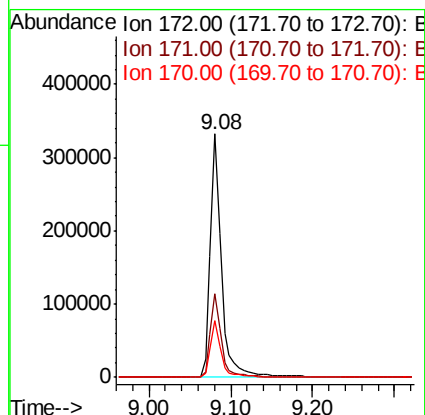
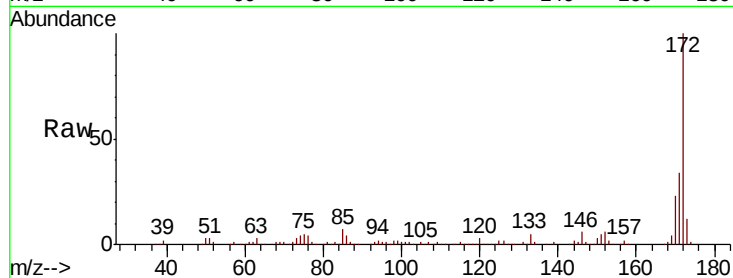




#45
2-Fluorobiphenyl
Concen: 61.024 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

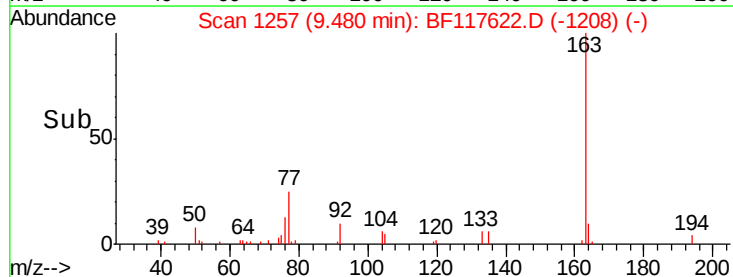
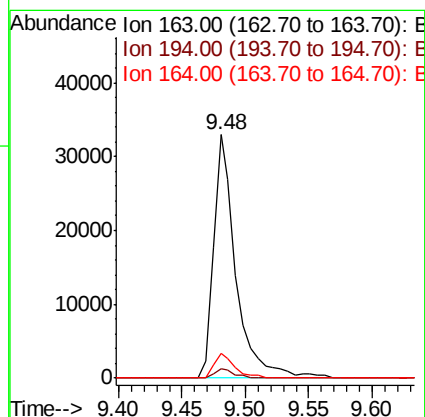
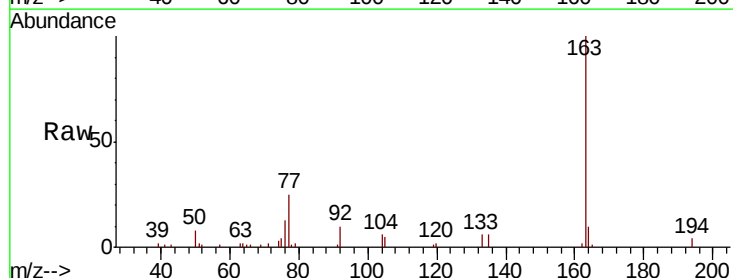
Instrument :
BNA_F
ClientSampleId :

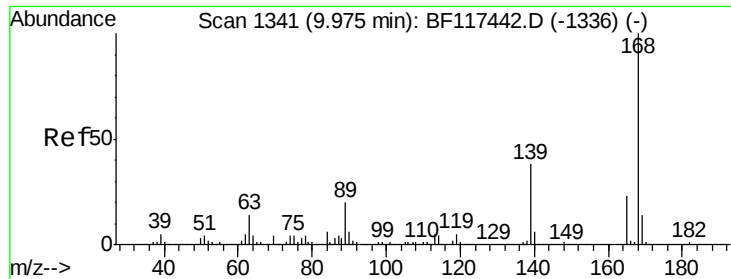
Tot Ion:172 Resp: 317650
Ion Ratio Lower Upper
172 100
171 34.3 27.5 41.3
170 23.5 18.6 27.8



#50
Dimethylphthalate
Concen: 7.782 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

Tgt Ion:163 Resp: 40690
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 10.4 8.2 12.2

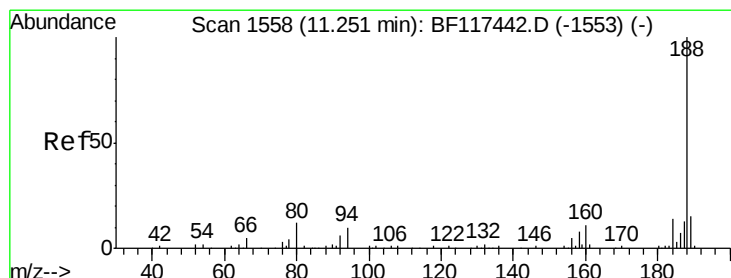
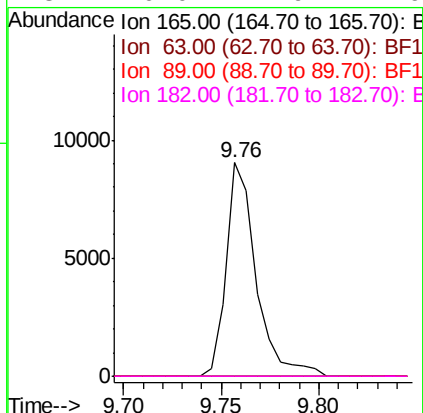
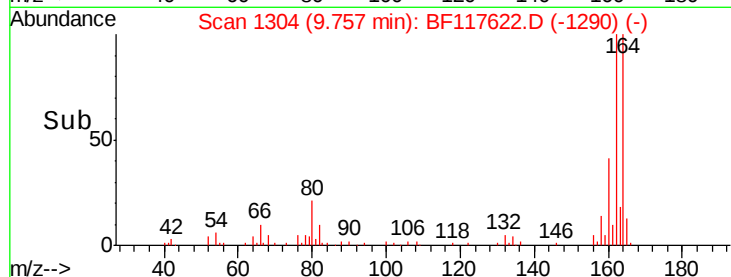
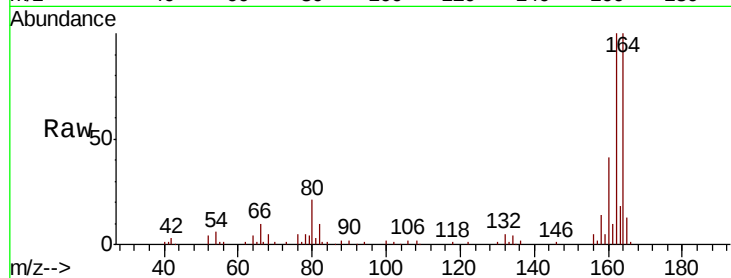




#57
 2,4-Dinitrotoluene
 Concen: 6.619 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117622.D
 Acq: 30 Oct 2019 14:12

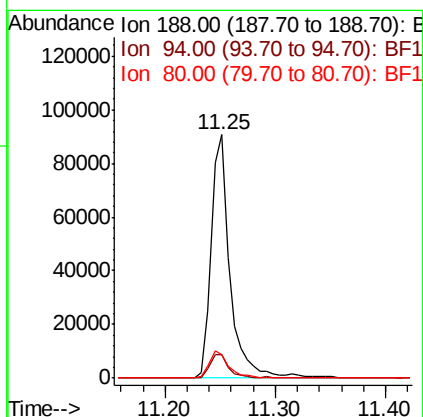
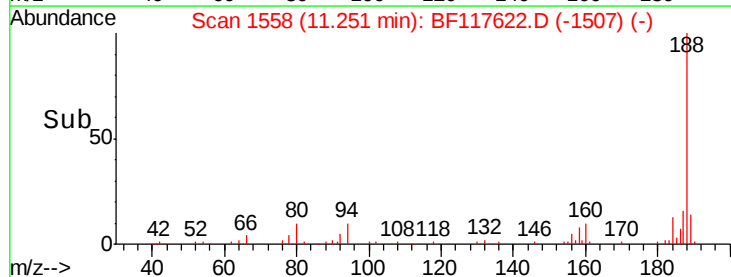
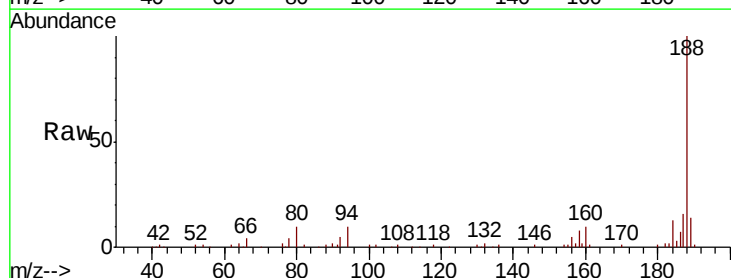
Instrument :
 BNA_F
 ClientSampled :

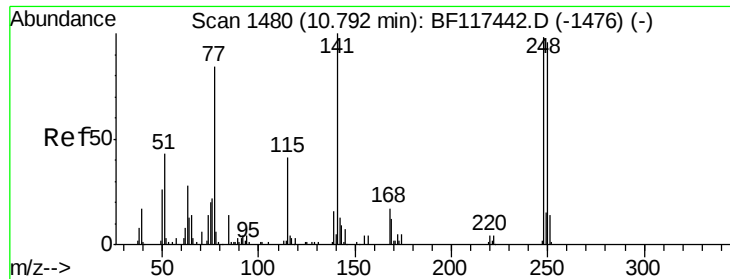
Tot Ion:165 Resp: 9602
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117622.D
 Acq: 30 Oct 2019 14:12

Tgt Ion:188 Resp: 105413
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.0 12.0
 80 9.8 9.5 14.3





#67

4-Bromophenyl-phenylether

Concen: 2.712 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117622.D

Acq: 30 Oct 2019 14:12

Instrument :

BNA_F

ClientSampled :

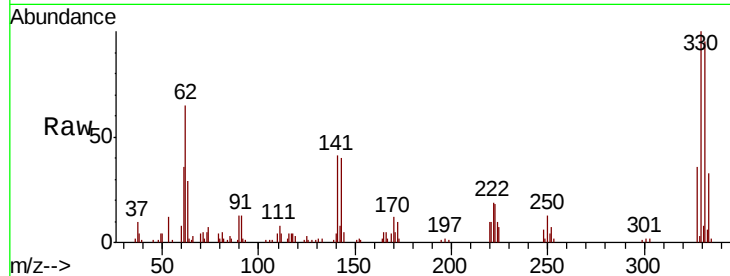
Tot Ion:248 Resp: 3079

Ion Ratio Lower Upper

248 100

250 201.5 78.0 117.0#

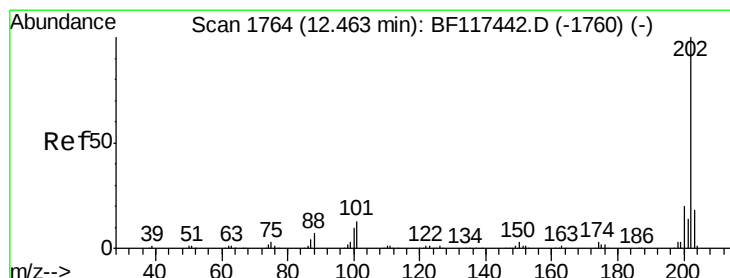
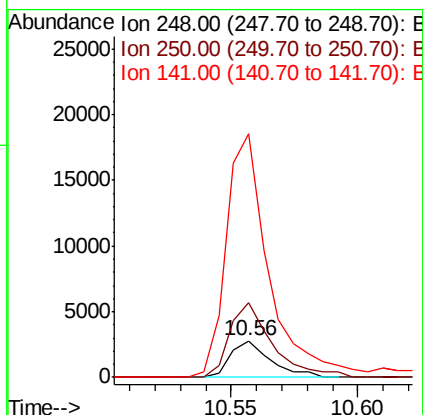
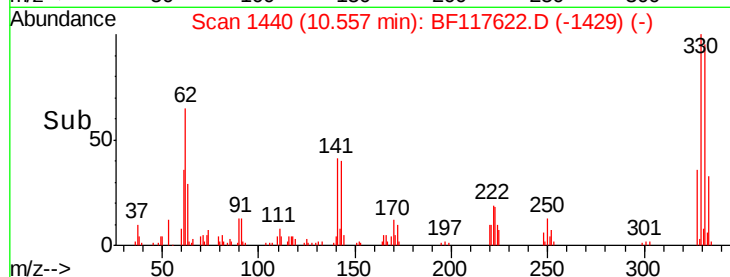
141 660.6 81.7 122.5#



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



#75

Fluoranthene

Concen: 3.263 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117622.D

Acq: 30 Oct 2019 14:12

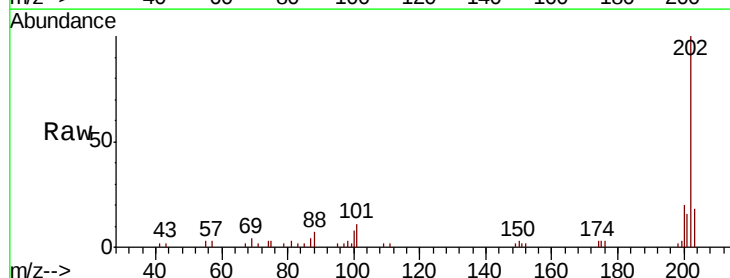
Tgt Ion:202 Resp: 19992

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.7

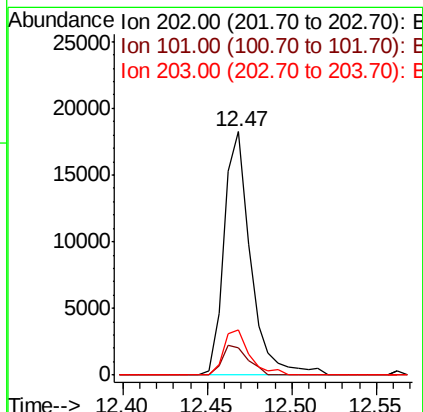
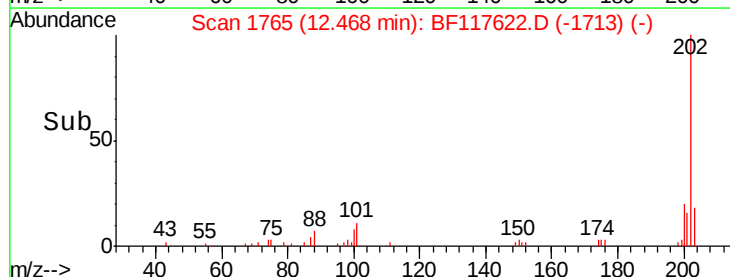
203 18.4 0.0 37.6

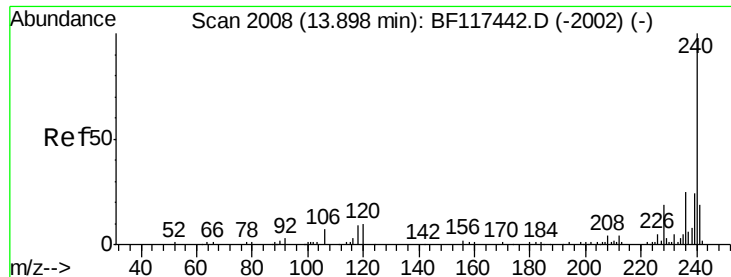


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117622.D

Acq: 30 Oct 2019 14:12

Instrument :

BNA_F

ClientSampled :

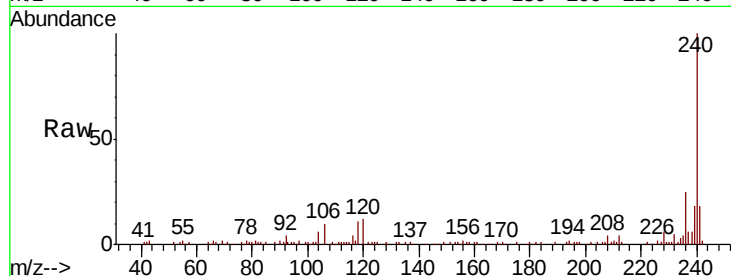
Tot Ion:240 Resp: 79556

Ion Ratio Lower Upper

240 100

120 12.3 8.4 12.6

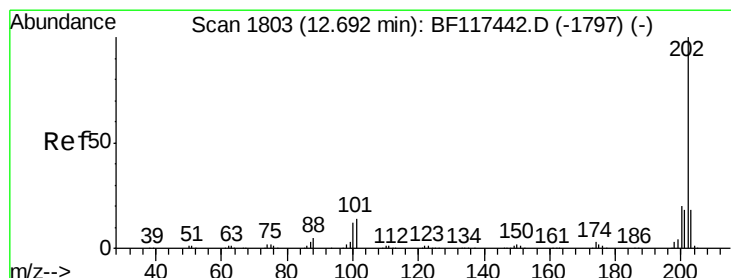
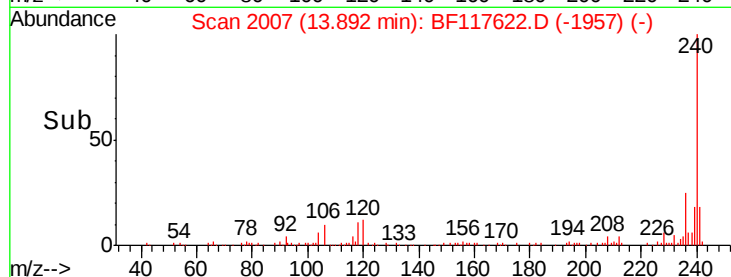
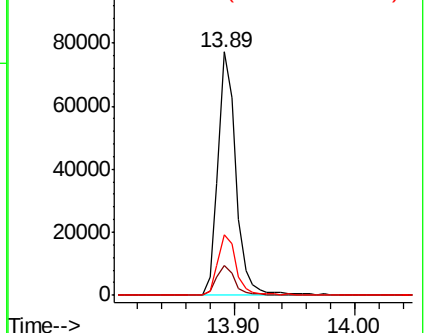
236 25.1 20.0 30.0



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: 2.800 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117622.D

Acq: 30 Oct 2019 14:12

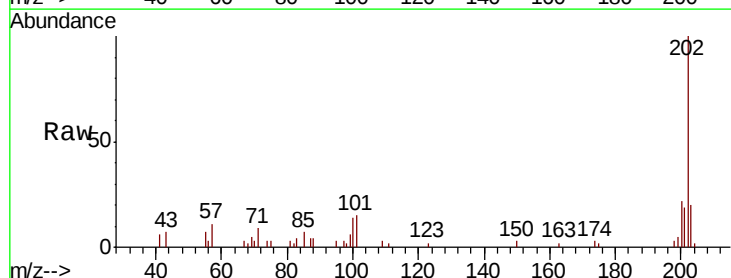
Tgt Ion:202 Resp: 19131

Ion Ratio Lower Upper

202 100

200 22.3 16.2 24.2

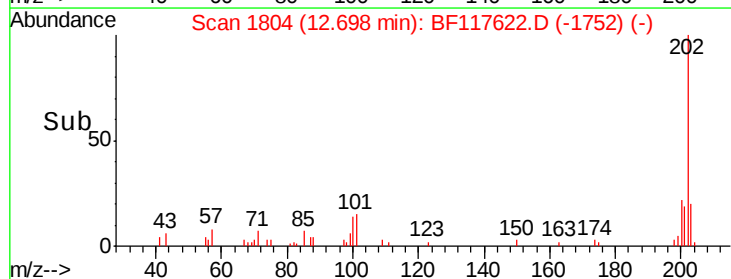
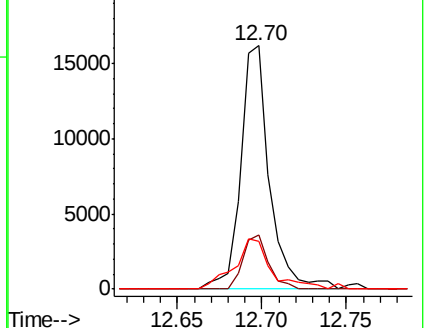
203 19.5 14.0 21.0

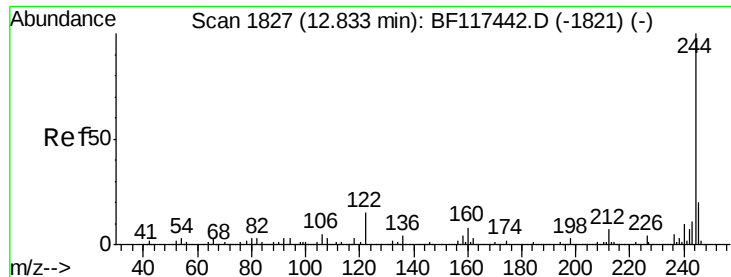


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

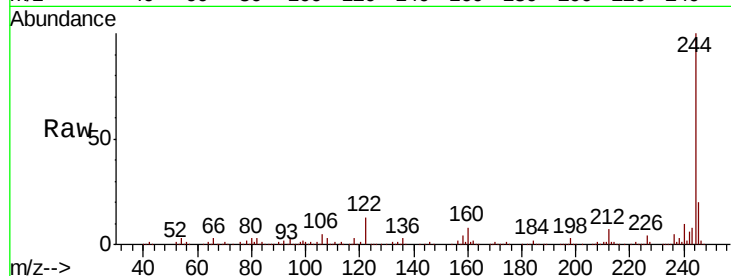




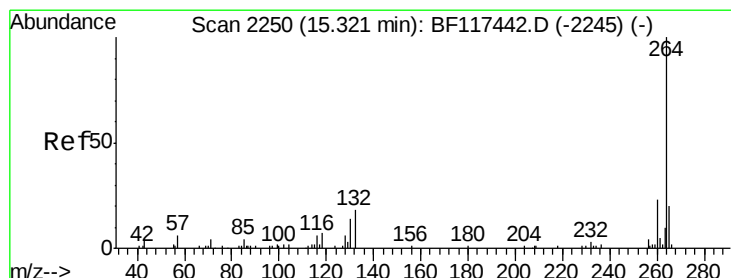
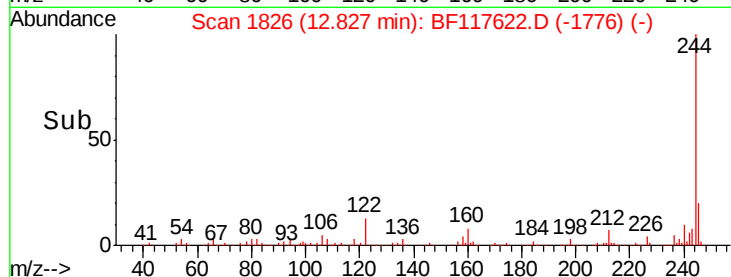
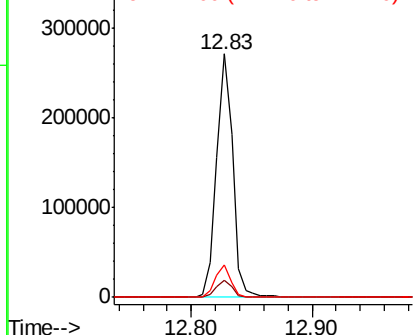
#79
 Terphenyl-d14
 Concen: 50.996 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117622.D
 Acq: 30 Oct 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 248729
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 13.3 11.8 17.8

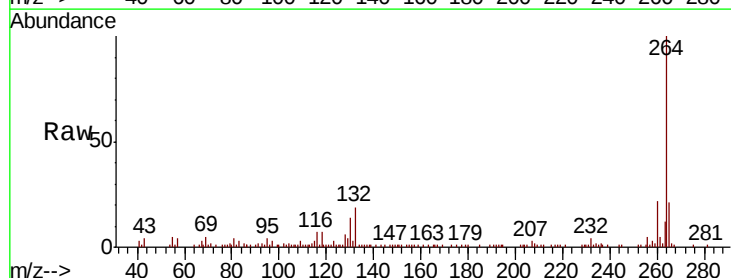


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

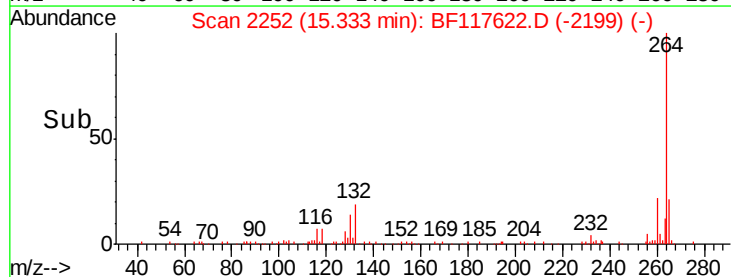
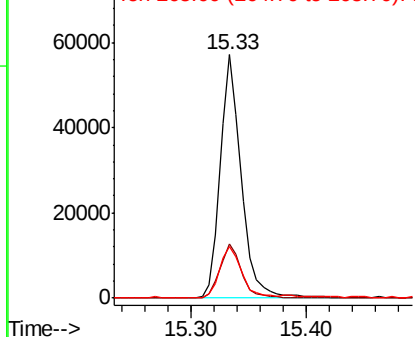


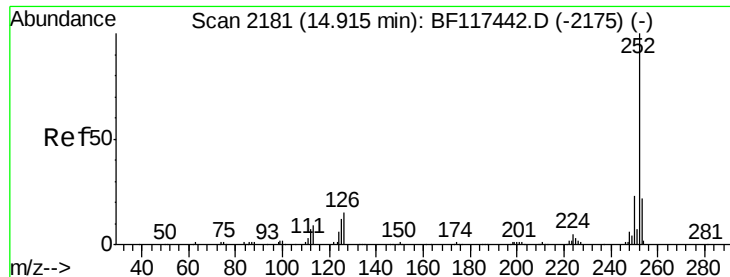
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117622.D
 Acq: 30 Oct 2019 14:12

Tgt Ion:264 Resp: 72376
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.4 27.6
 265 21.4 16.1 24.1



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

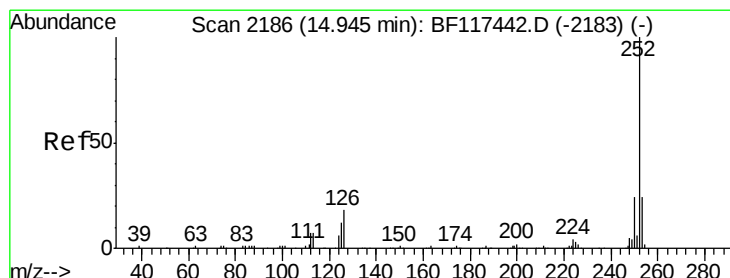
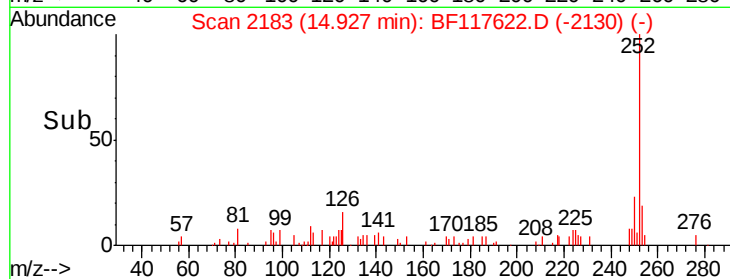
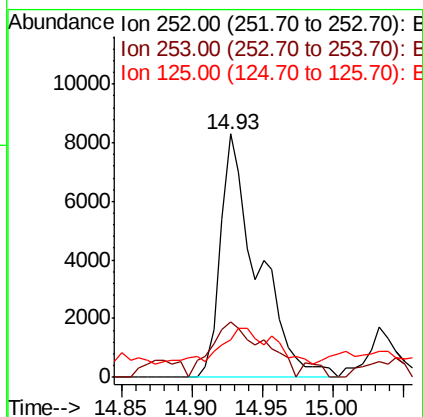
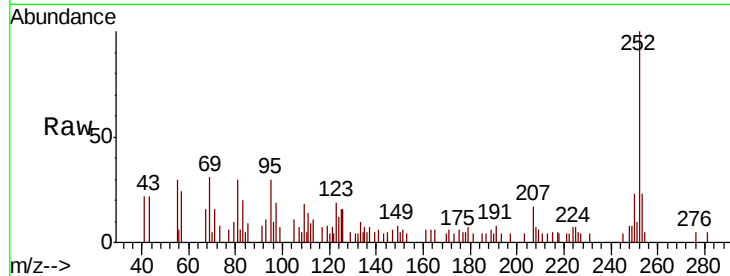




#88
Benzo(b)fluoranthene
Concen: 3.562 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

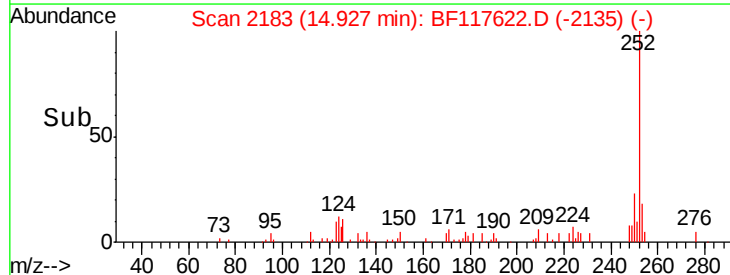
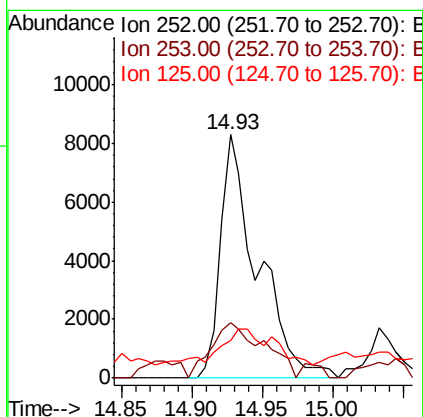
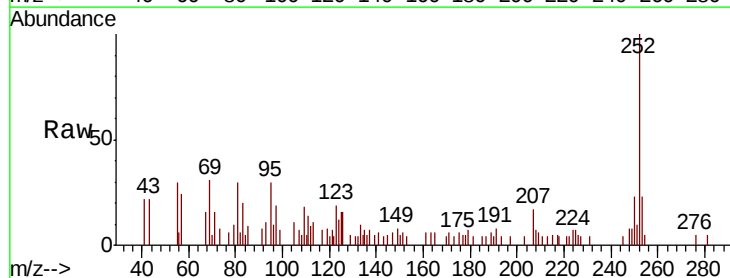
Instrument :
BNA_F
ClientSampled :

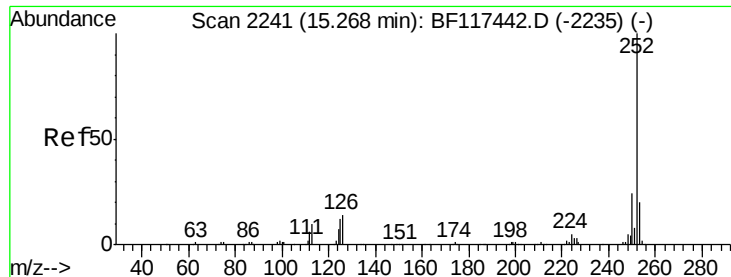
Tot Ion:252 Resp: 15223
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 15.7 9.9 14.9#



#89
Benzo(k)fluoranthene
Concen: 3.475 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117622.D
Acq: 30 Oct 2019 14:12

Tgt Ion:252 Resp: 15223
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 15.7 8.9 13.3#





#90
 Benzo(a)pyrene
 Concen: 2.016 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF117622.D
 Acq: 30 Oct 2019 14:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	16.3	24.5#
125	23.1	9.2	13.8#

