

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117839.D
 Acq On : 18 Nov 2019 17:02
 Operator : JU
 Sample : K5833-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:55:51 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	227271	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	886627	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	461046	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	821908	20.00	ng	0.00
76) Chrysene-d12	14.11	240	484041	20.00	ng	0.00
87) Perylene-d12	15.62	264	597799	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1197061	93.23	ng	0.00
7) Phenol-d6	6.54	99	1527626	98.64	ng	0.00
23) Nitrobenzene-d5	7.48	82	949513	63.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	461455	94.54	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1725902	67.16	ng	0.00
79) Terphenyl-d14	13.05	244	1703412	64.32	ng	0.00

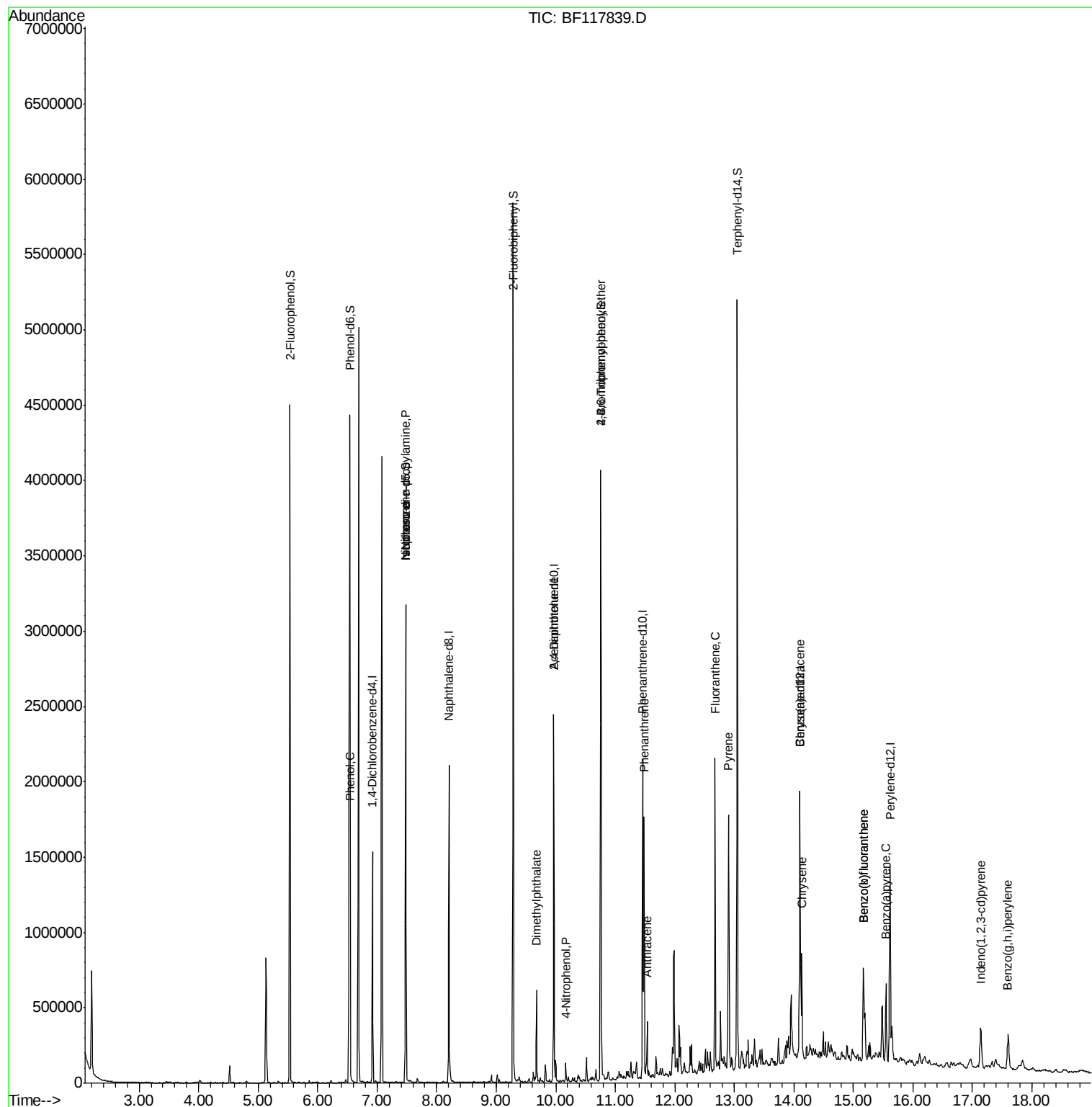
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	2385	Below Cal		93
10) Phenol	6.55	94	73465	4.565 ng		94
19) n-Nitroso-di-n-propylamine	7.48	70	130445	13.654 ng	#	75
25) Isophorone	7.48	82	949500	34.734 ng	#	62
50) Dimethylphthalate	9.67	163	225931	6.988 ng		98
56) 4-Nitrophenol	10.17	139	13249	2.099 ng	#	8
57) 2,4-Dinitrotoluene	9.97	165	61134	6.801 ng	#	24
67) 4-Bromophenyl-phenylether	10.76	248	29771	3.357 ng	#	1
71) Phenanthrene	11.49	178	671939	16.261 ng		96
72) Anthracene	11.53	178	125236	3.057 ng		96
75) Fluoranthene	12.67	202	795563	16.351 ng		99
78) Pyrene	12.90	202	691046	17.666 ng		99
81) Benzo(a)anthracene	14.10	228	281787	8.810 ng		98
83) Chrysene	14.13	228	278688	8.991 ng		98
86) Indeno(1,2,3-cd)pyrene	17.14	276	190366	7.216 ng		94
88) Benzo(b)fluoranthene	15.17	252	476487	12.268 ng		99
89) Benzo(k)fluoranthene	15.17	252	476487	13.020 ng		99
90) Benzo(a)pyrene	15.55	252	262245	7.679 ng		99
92) Benzo(a,h,i)perylene	17.60	276	185483	6.335 ng		99

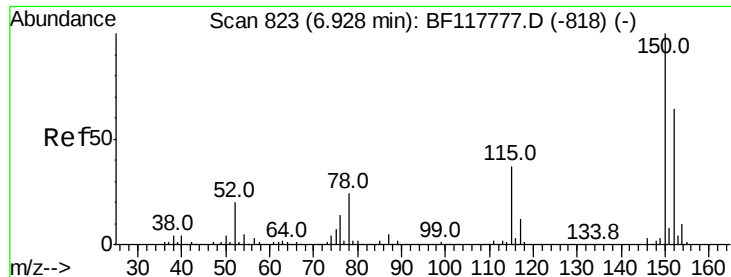
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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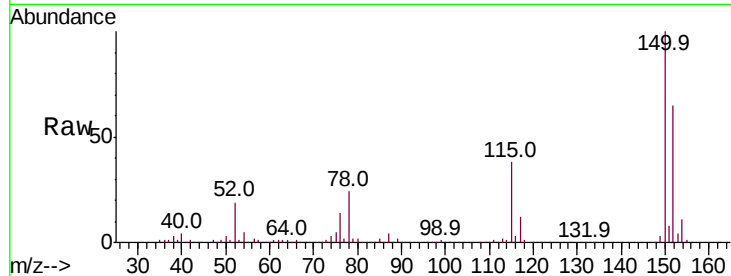


#1

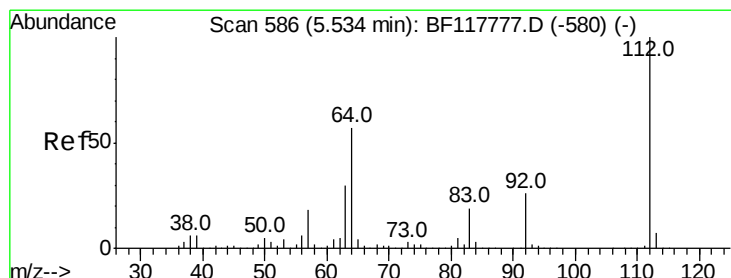
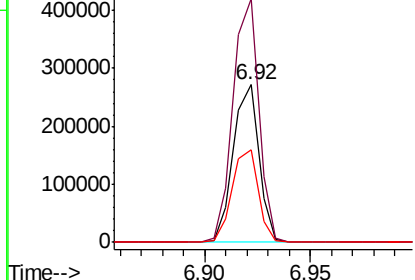
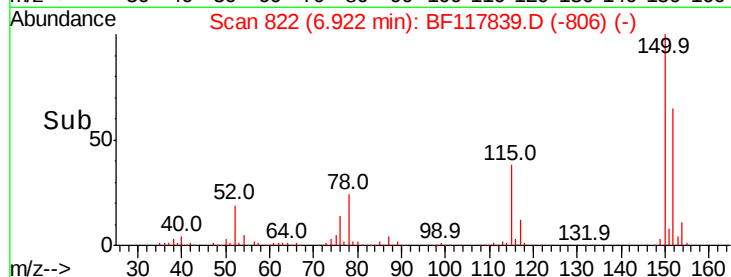
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 227271
Ion Ratio Lower Upper
152 100
150 154.8 125.3 187.9
115 59.0 47.0 70.4



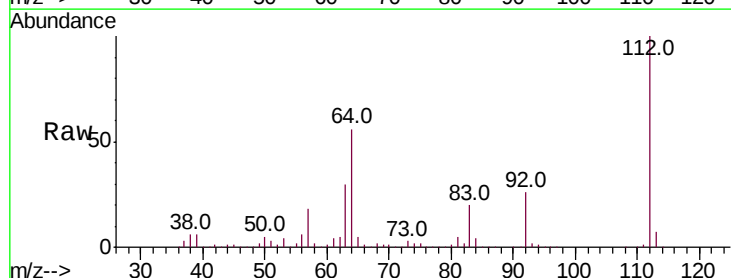
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



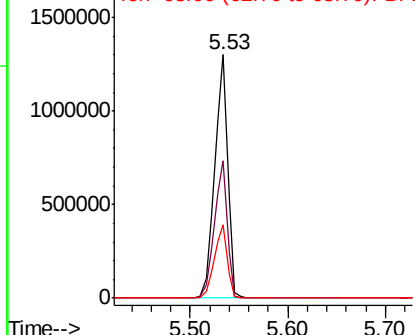
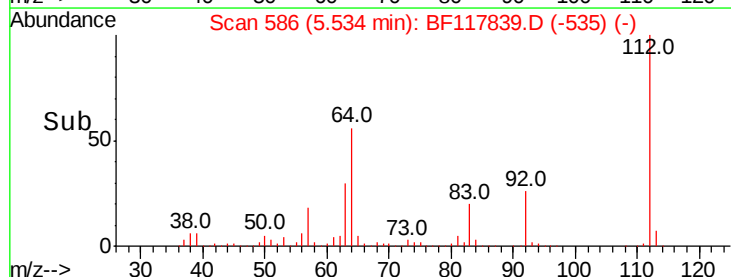
#5

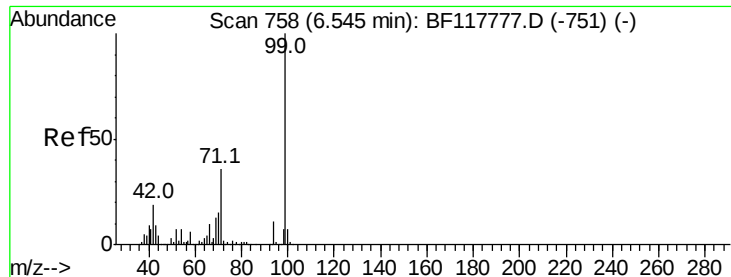
2-Fluorophenol
Concen: 93.233 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion:112 Resp: 1197061
Ion Ratio Lower Upper
112 100
64 56.2 45.6 68.4
63 30.0 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: 98.643 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

ClientSampleId :

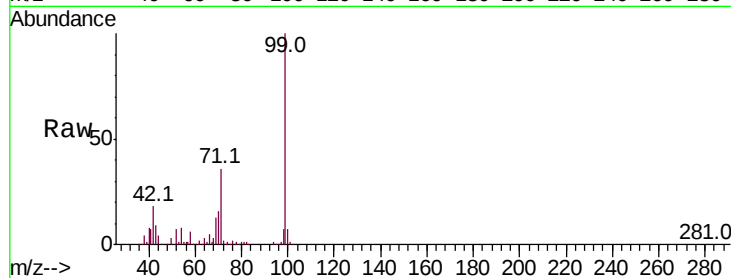
Tot Ion: 99 Resp: 1527626

Ion Ratio Lower Upper

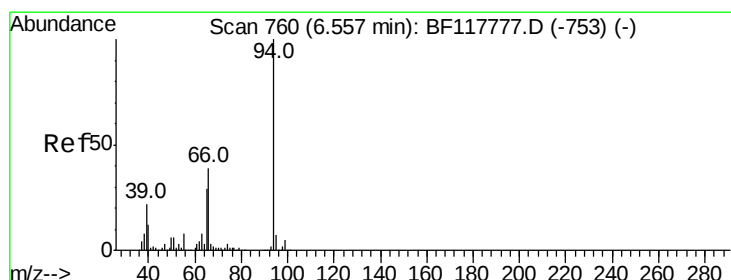
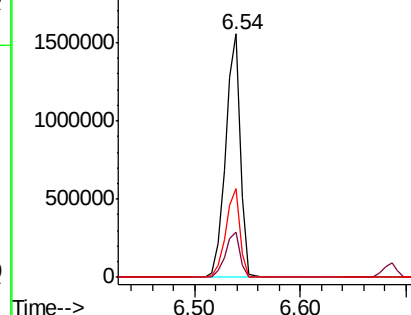
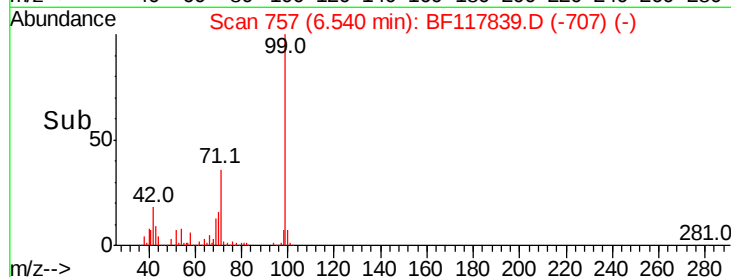
99 100

42 18.4 14.9 22.3

71 36.4 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: 4.565 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

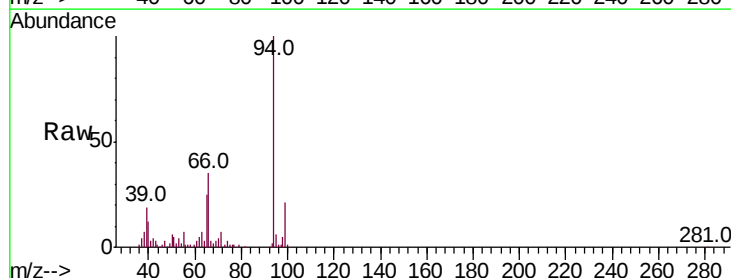
Tgt Ion: 94 Resp: 73465

Ion Ratio Lower Upper

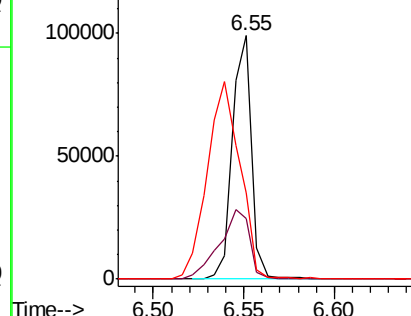
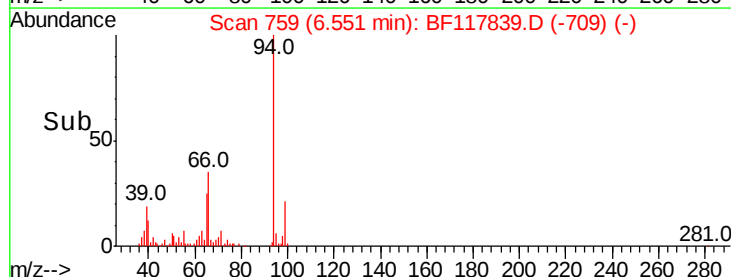
94 100

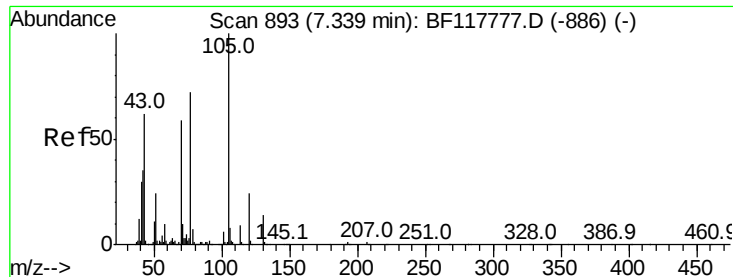
65 25.1 8.9 48.9

66 35.2 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

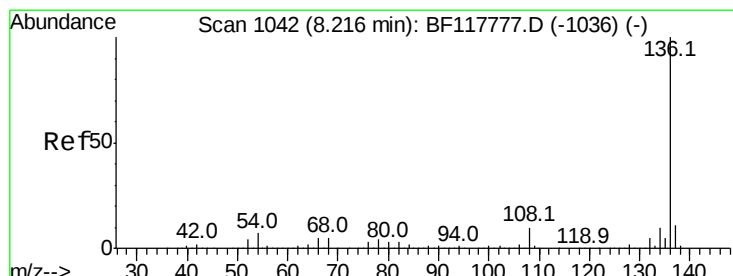
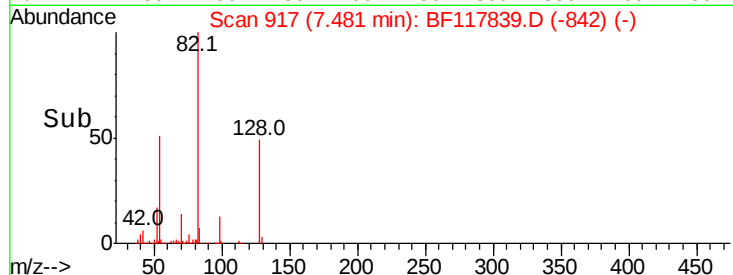
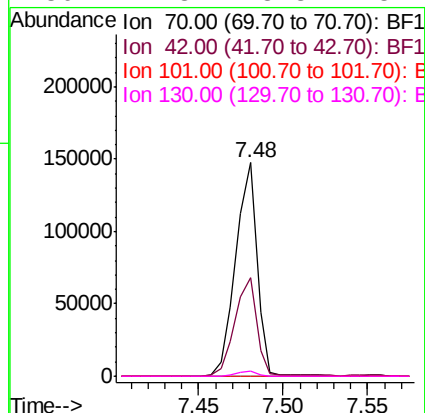
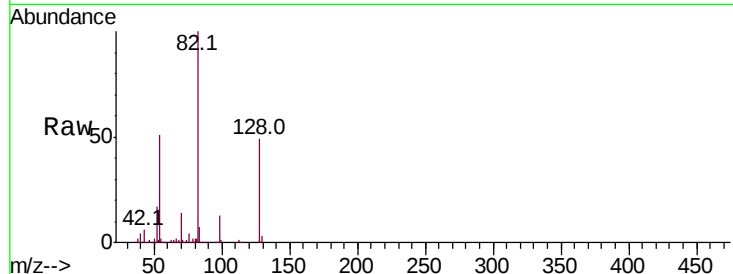




#19
n-Nitroso-di-n-propylamine
Concen: 13.654 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.14 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

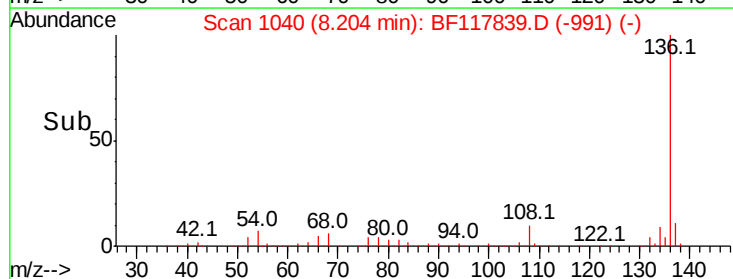
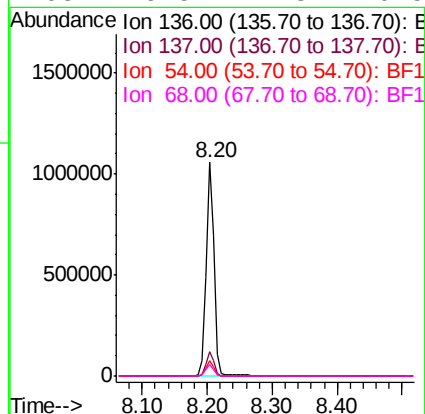
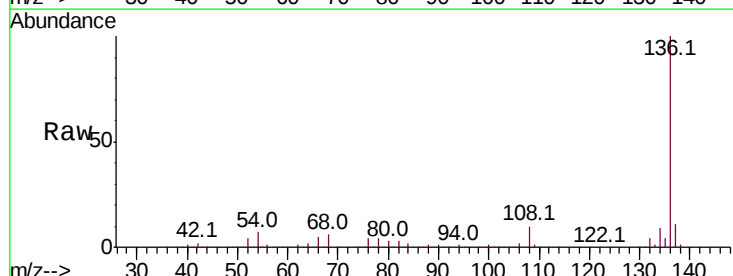
Instrument :
BNA_F
ClientSampleId :

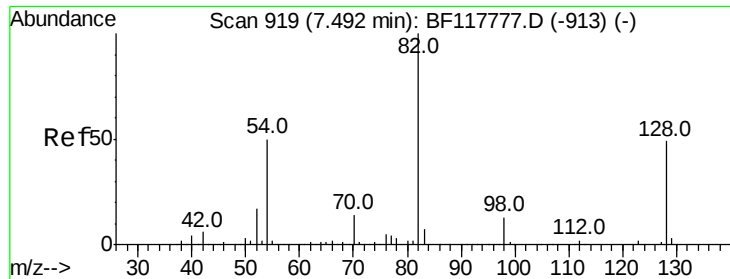
Tot Ion: 70 Resp: 130445
Ion Ratio Lower Upper
70 100
42 45.9 47.4 71.2#
101 0.0 8.4 12.6#
130 2.3 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion: 136 Resp: 886627
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 7.4 5.4 8.2
68 5.5 4.3 6.5

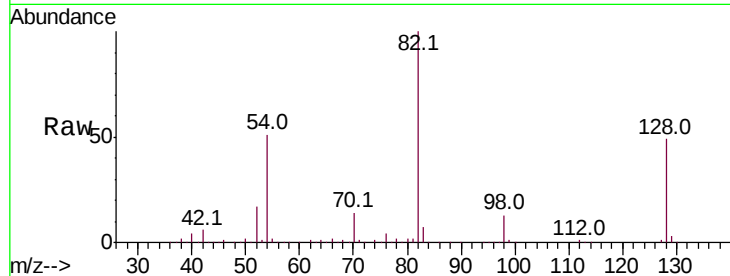




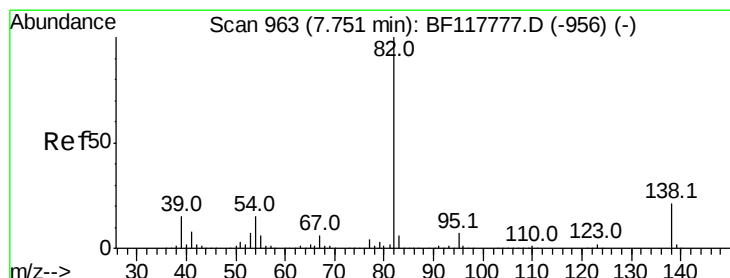
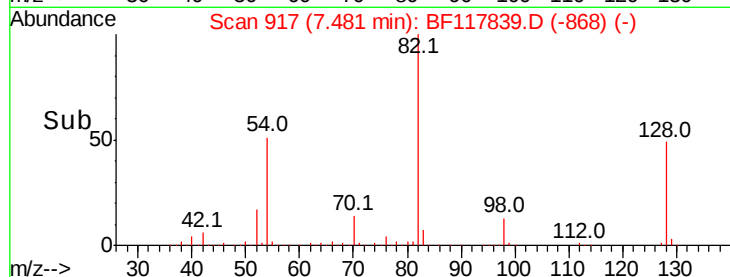
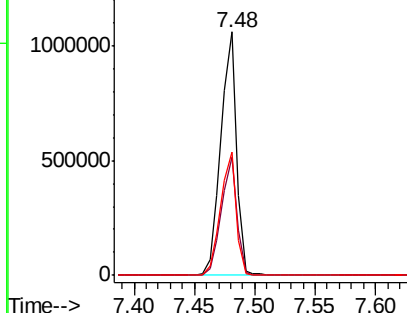
#23
 Nitrobenzene-d5
 Concen: 63.662 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	38.9	58.3
54	50.5	39.8	59.6

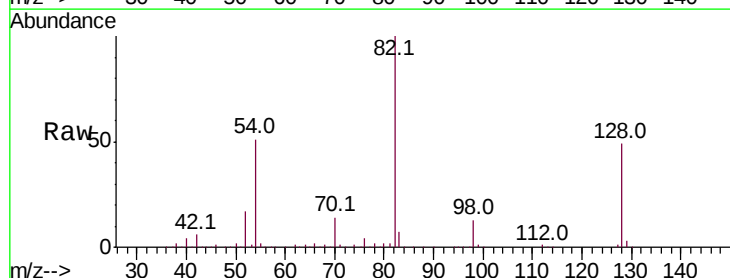


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

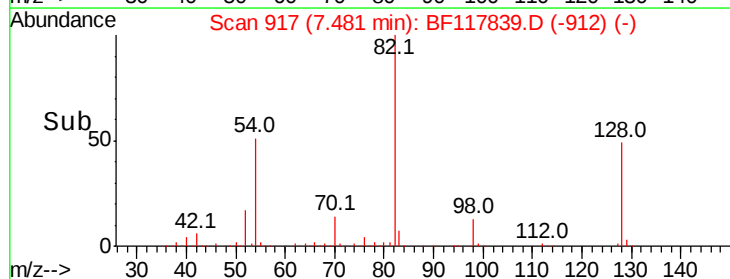
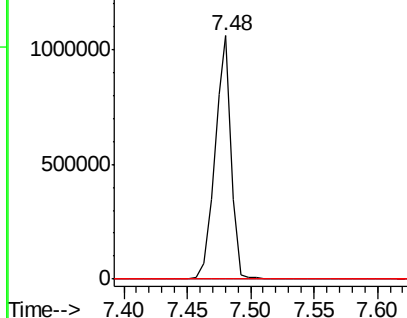


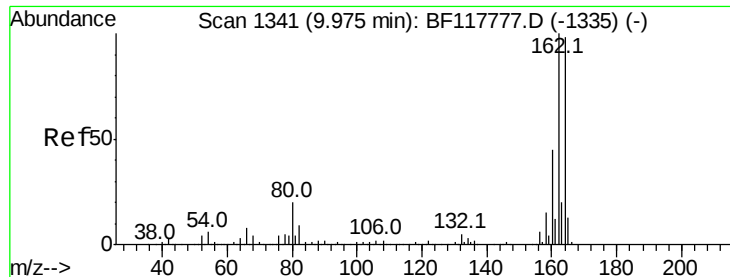
#25
 Isophorone
 Concen: 34.734 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.27 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

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

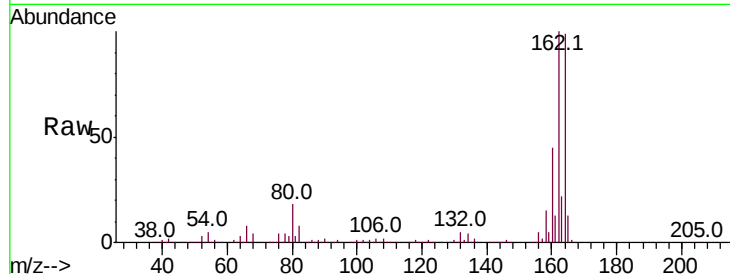




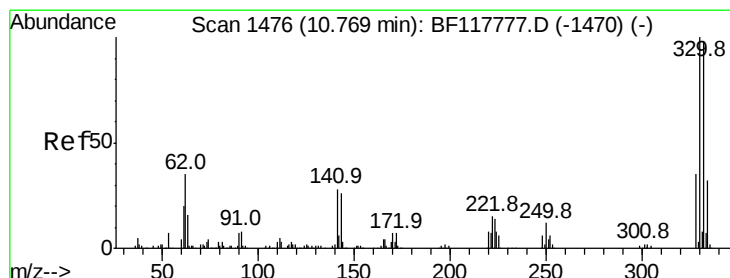
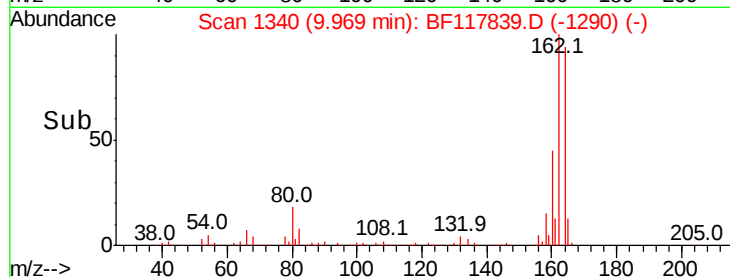
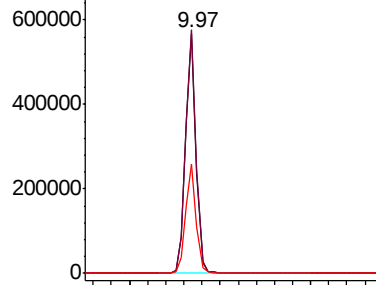
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.3	121.9
160	45.3	36.6	55.0

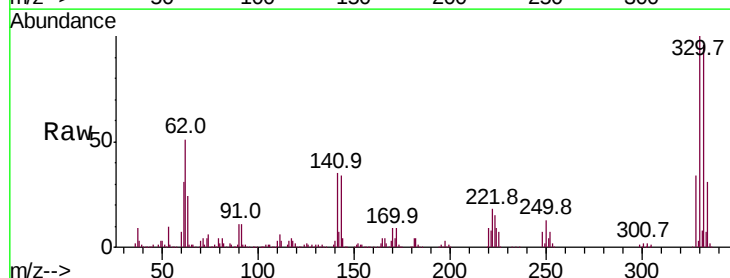


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

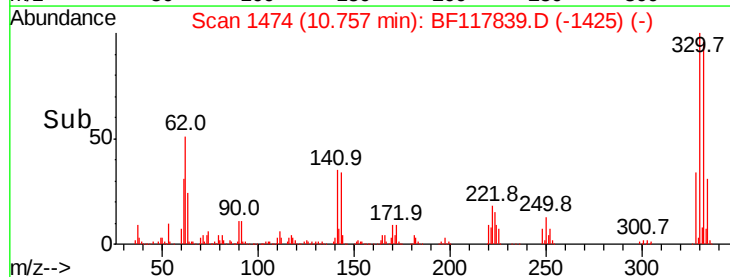
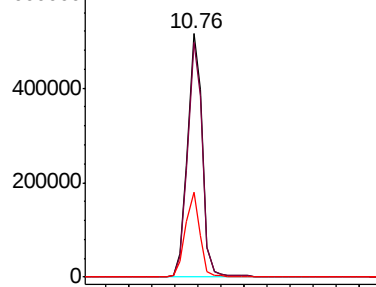


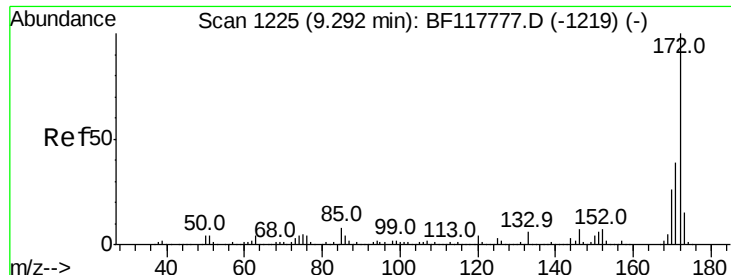
#42
2,4,6-Tribromophenol
Concen: 94.540 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.7	115.1
141	34.4	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



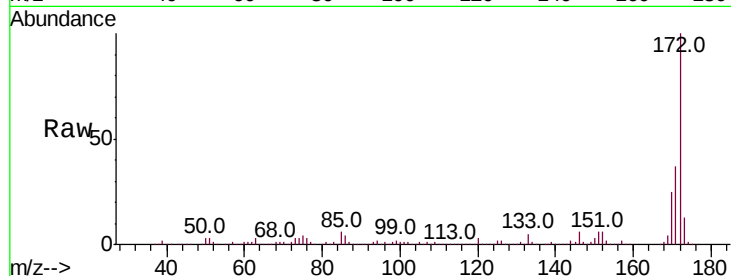


#45
 2-Fluorobiphenyl
 Concen: 67.159 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

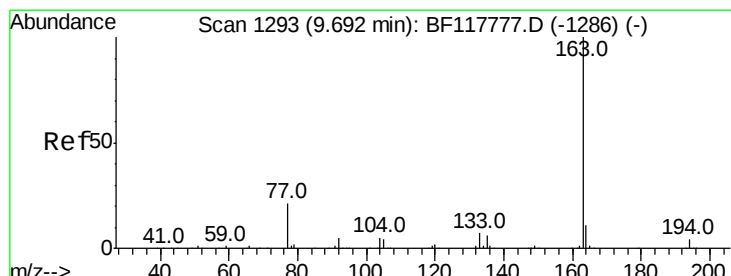
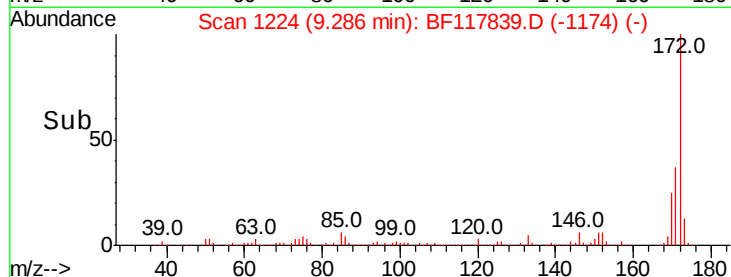
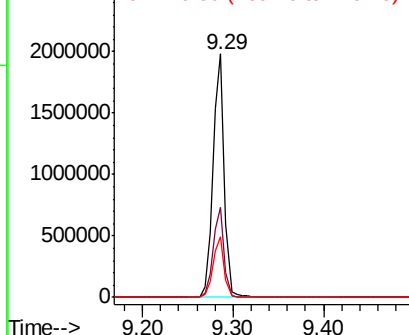
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1725902

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.9	46.3
170	24.8	21.0	31.4



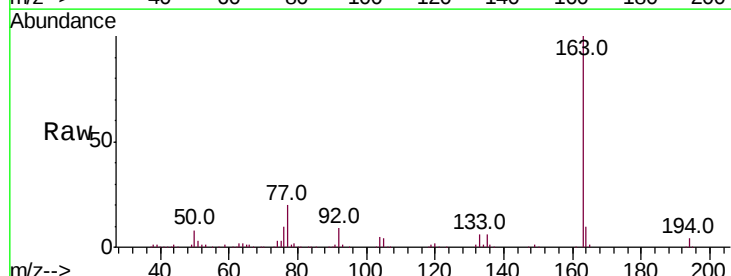
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



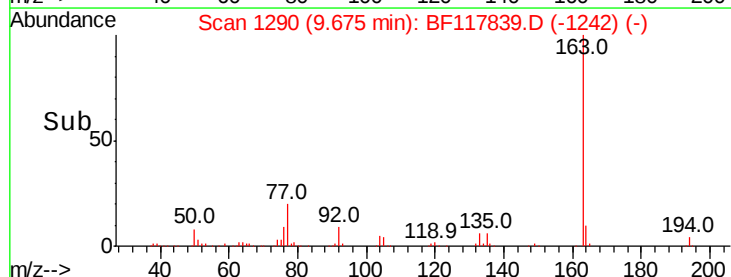
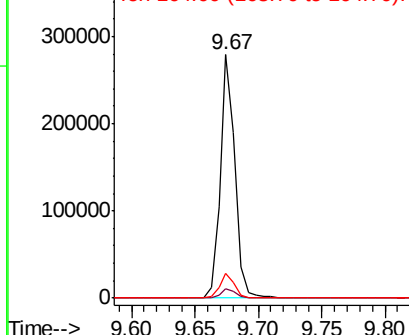
#50
 Dimethylphthalate
 Concen: 6.988 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

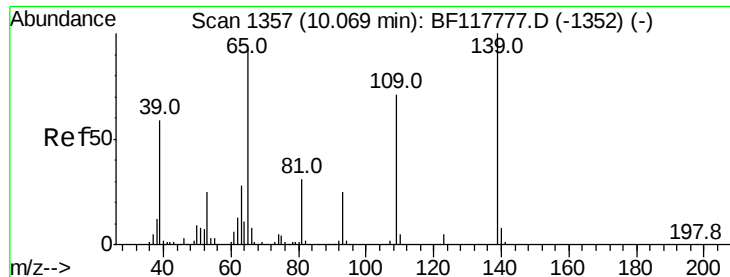
Tgt Ion:163 Resp: 225931

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	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

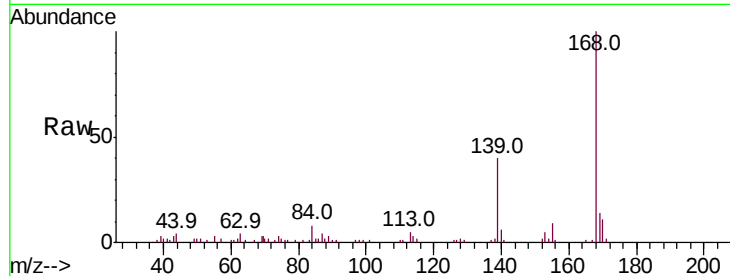




#56
4-Nitrophenol
Concen: 2.099 ng
RT: 10.17 min Scan# 1375
Delta R.T. 0.11 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	50.8	90.8#
65	0.0	73.6	113.6#

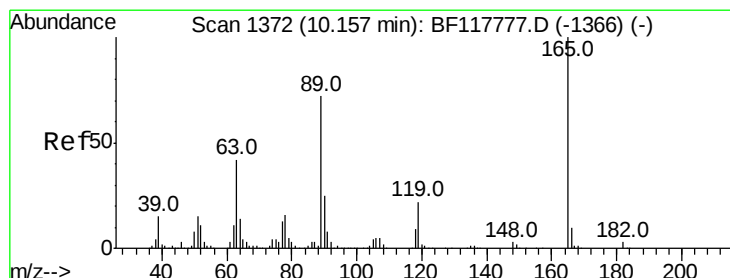
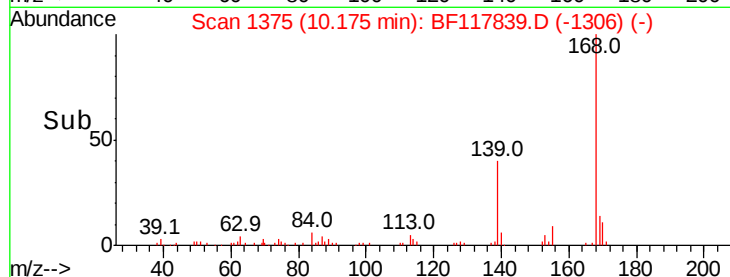
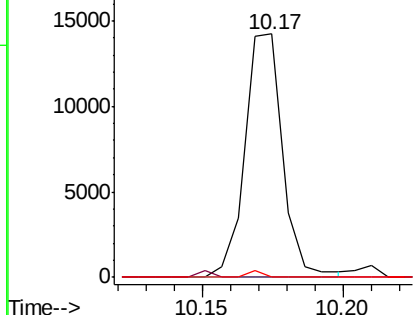


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.801 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.19 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	33.7	50.5#
89	1.4	57.3	85.9#
182	0.0	2.3	3.5#

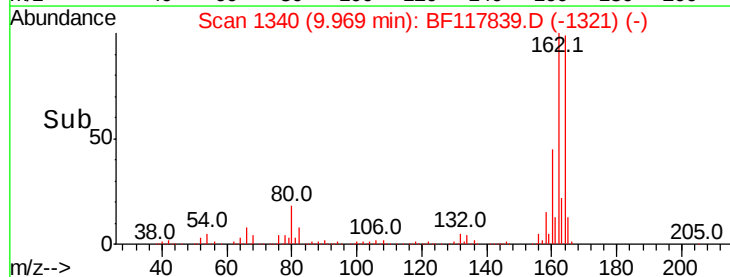
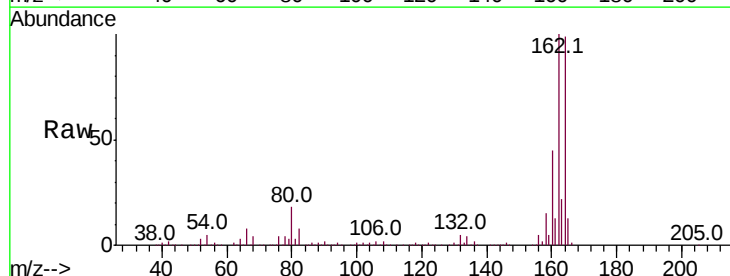
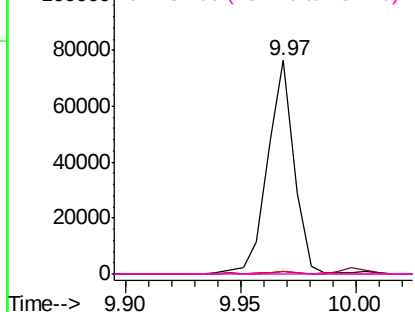
Abundance

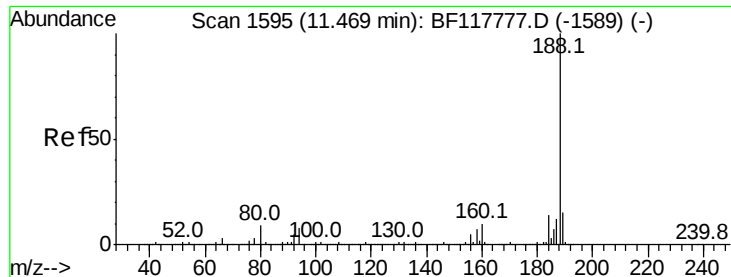
Ion 165.00 (164.70 to 165.70): E

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# 1594

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

ClientSampled :

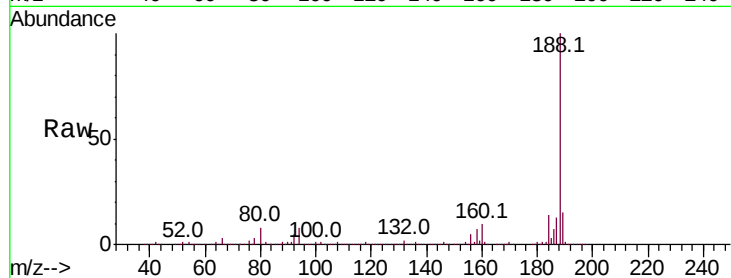
Tot Ion:188 Resp: 821908

Ion Ratio Lower Upper

188 100

94 7.8 6.6 10.0

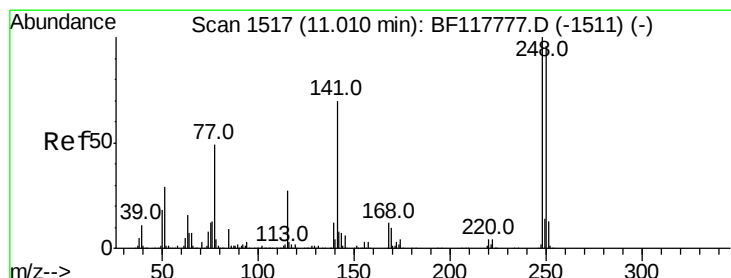
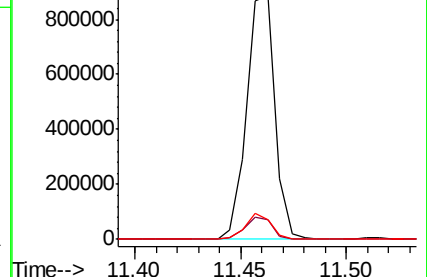
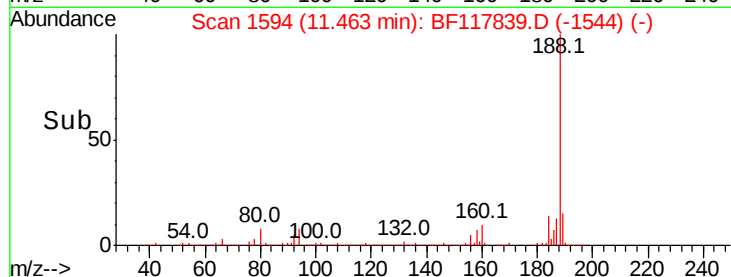
80 8.2 7.2 10.8



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: 3.357 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.25 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

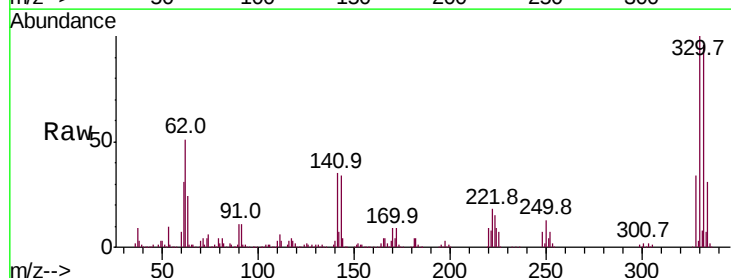
Tgt Ion:248 Resp: 29771

Ion Ratio Lower Upper

248 100

250 200.6 76.6 115.0#

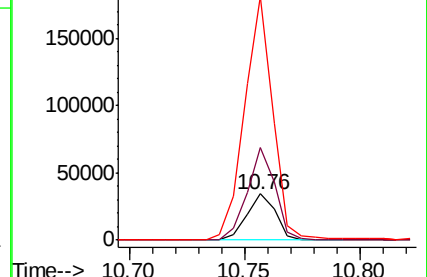
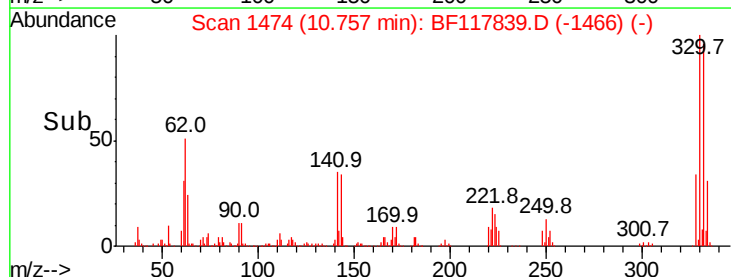
141 524.2 55.9 83.9#

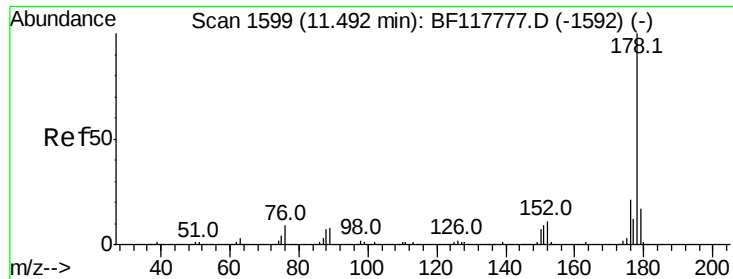


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 16.261 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

ClientSampleId :

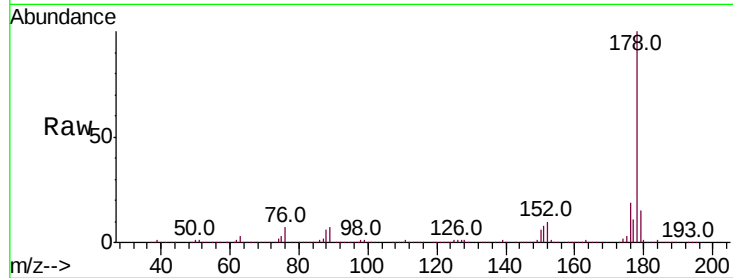
Tot Ion:178 Resp: 671939

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.6	25.0
179	15.1	13.2	19.8

178 100

176 19.0 16.6 25.0

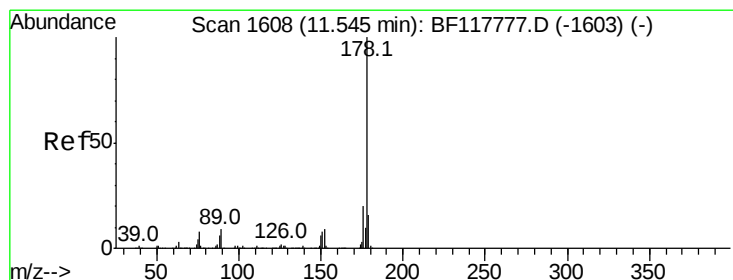
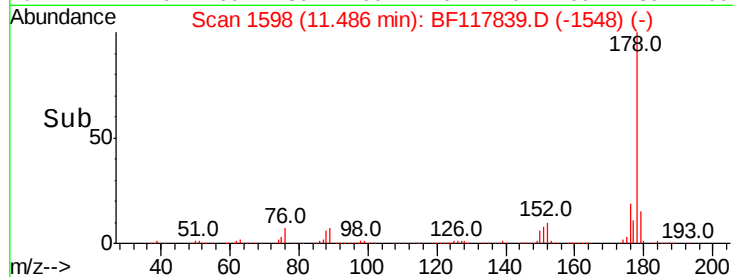
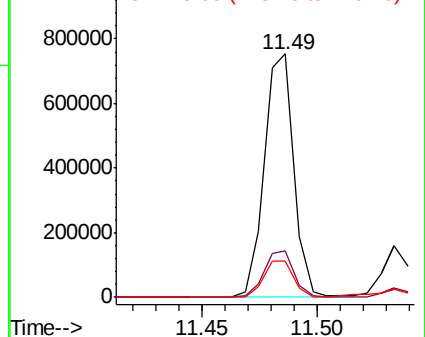
179 15.1 13.2 19.8



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: 3.057 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

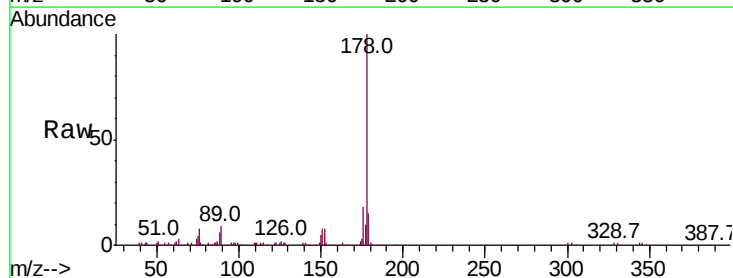
Tgt Ion:178 Resp: 125236

Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.1	24.1
179	15.2	13.0	19.4

178 100

176 17.9 16.1 24.1

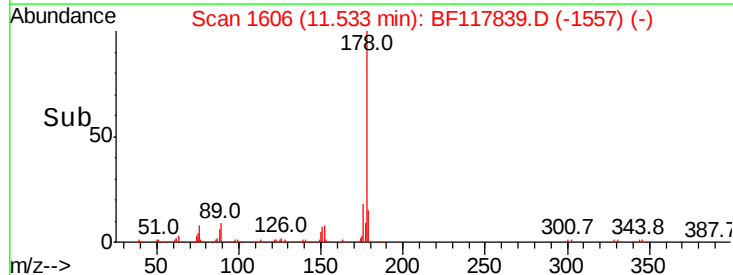
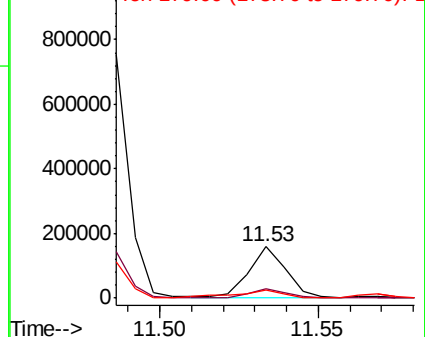
179 15.2 13.0 19.4

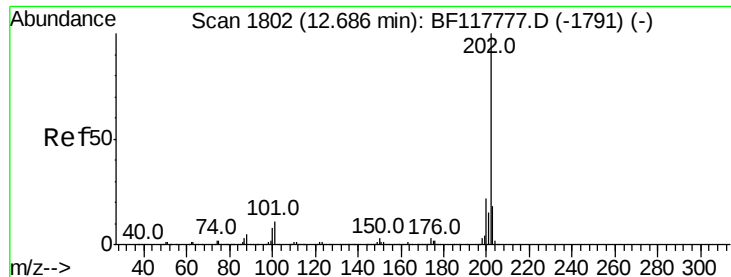


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.351 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

ClientSampleId :

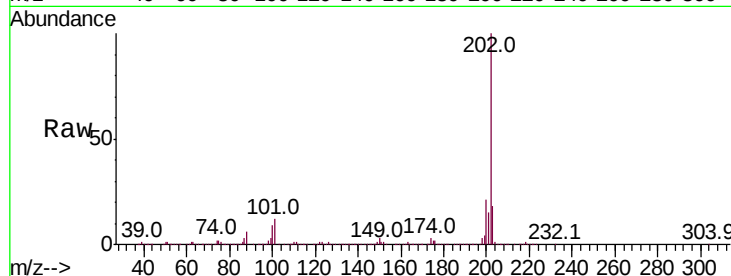
Tot Ion:202 Resp: 795563

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.1

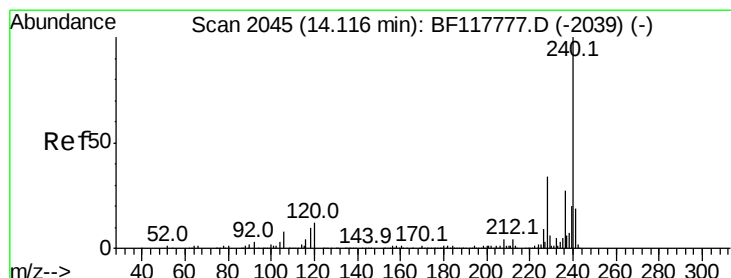
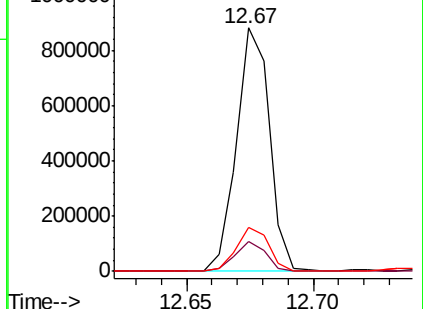
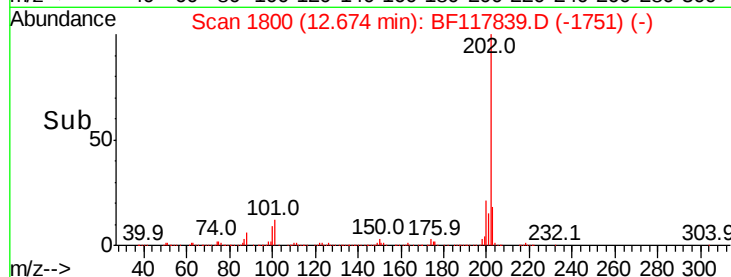
203 18.2 0.0 38.2



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: BF117839.D

Acq: 18 Nov 2019 17:02

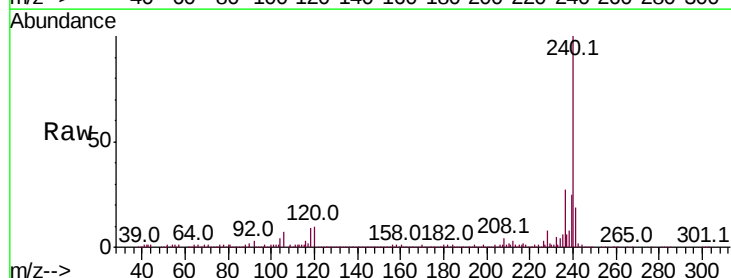
Tgt Ion:240 Resp: 484041

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

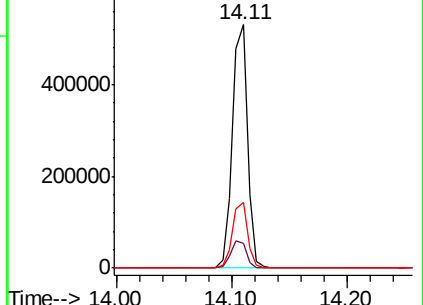
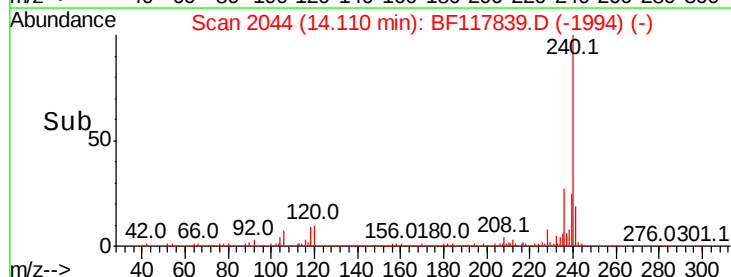
236 26.9 21.3 31.9

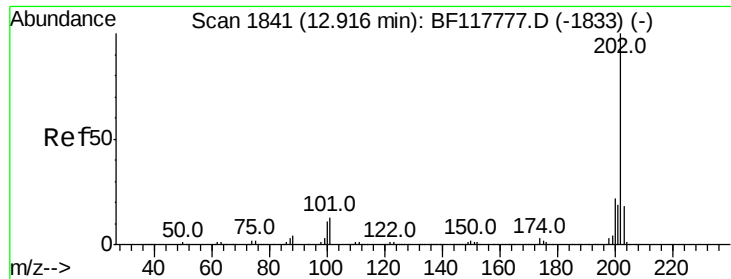


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 17.666 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

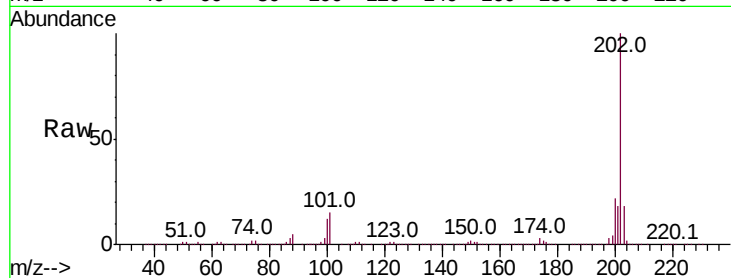
Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 691046

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.8
203	18.3	14.6	22.0

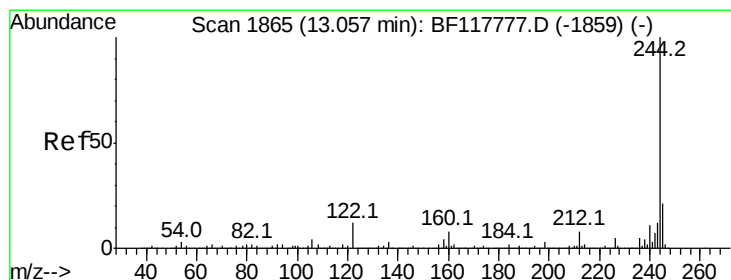
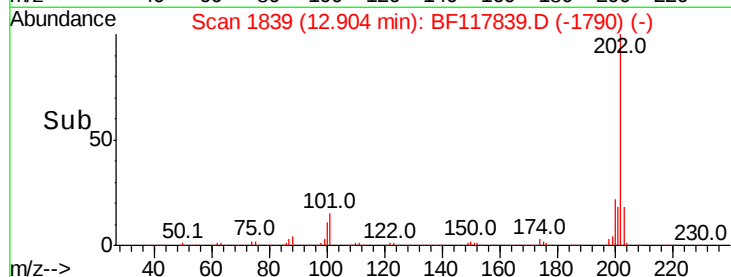
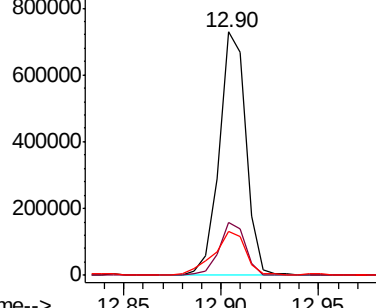


Abundance Ion 202.00 (201.70 to 202.70): E

1000000

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 64.316 ng

RT: 13.05 min Scan# 1864

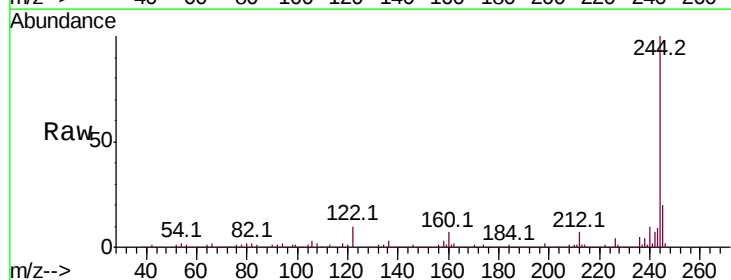
Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Tgt Ion:244 Resp: 1703412

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	10.5	9.4	14.2

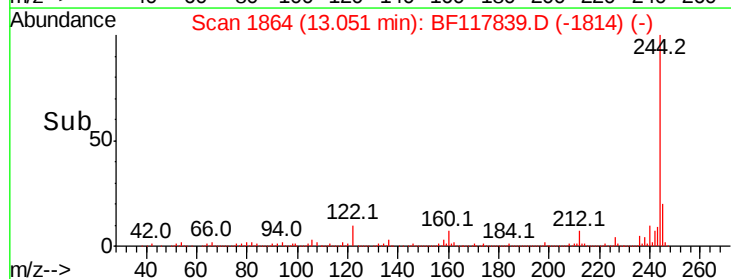
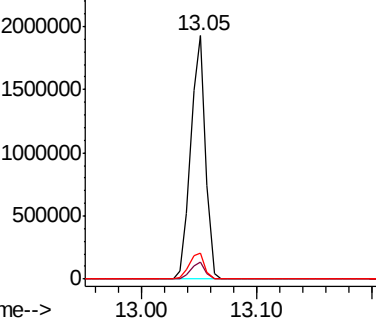


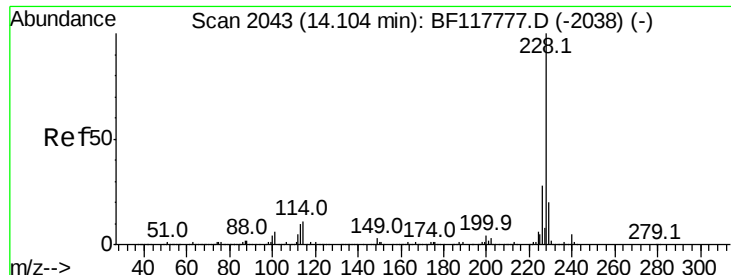
Abundance Ion 244.00 (243.70 to 244.70): E

2500000

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 8.810 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

ClientSampleId :

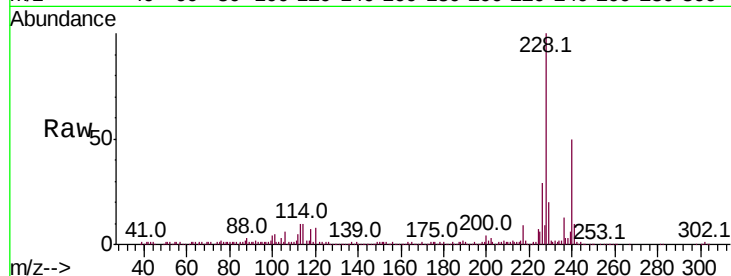
Tot Ion:228 Resp: 281787

Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.2

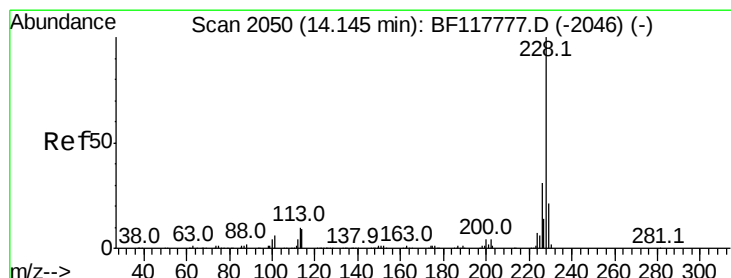
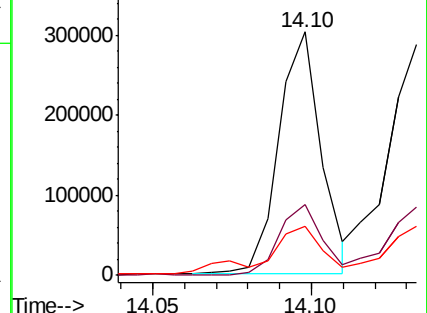
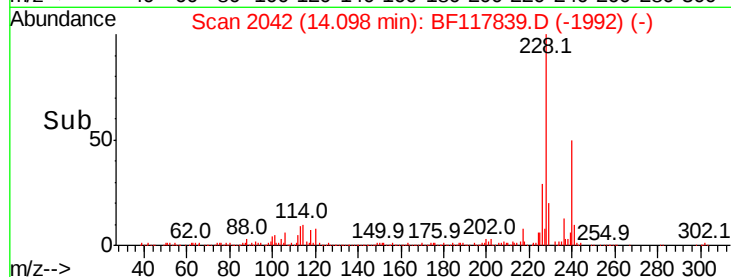
229 20.4 15.9 23.9



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: 8.991 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

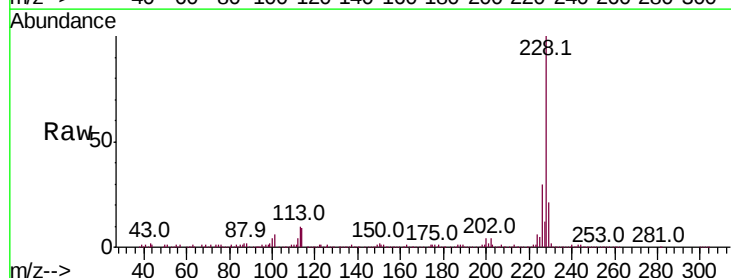
Tgt Ion:228 Resp: 278688

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.4

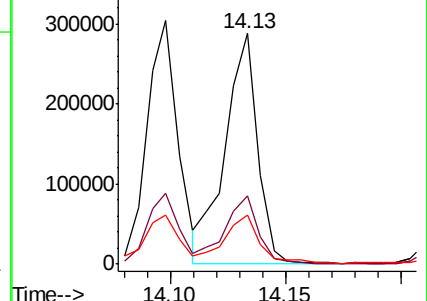
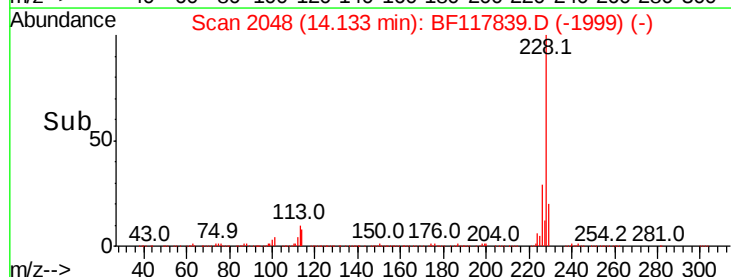
229 21.3 16.6 25.0

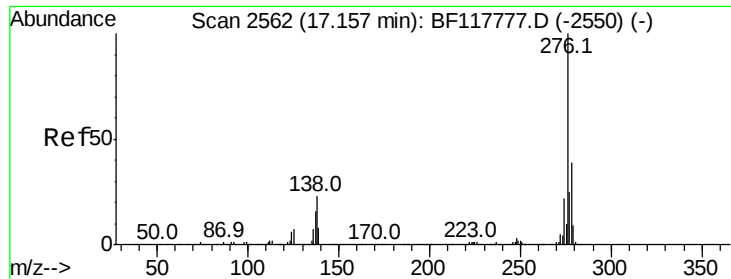


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

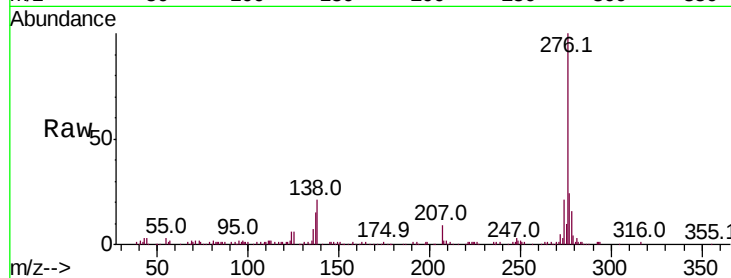




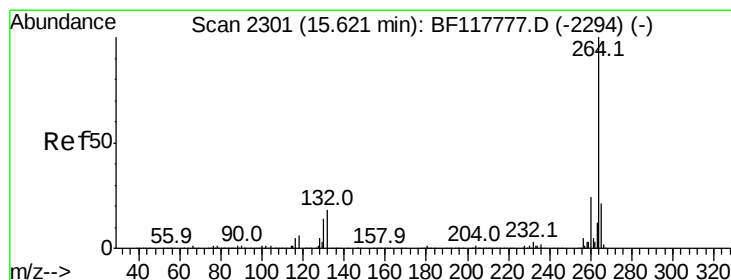
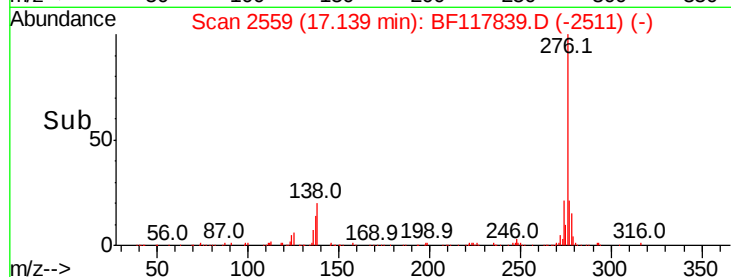
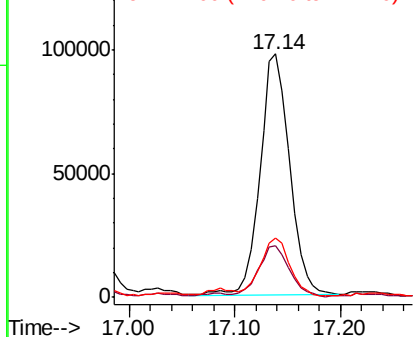
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.216 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. -0.02 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	23.3	20.3	30.5

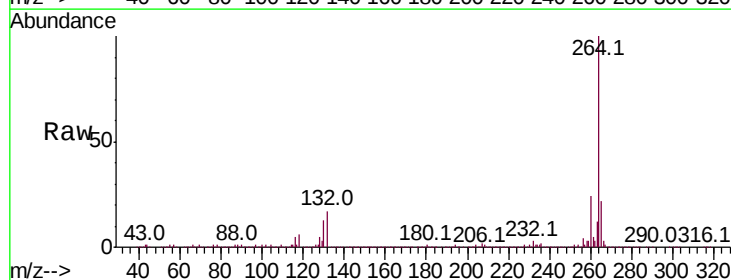


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

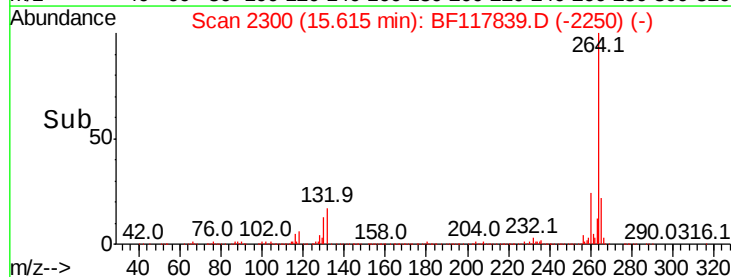
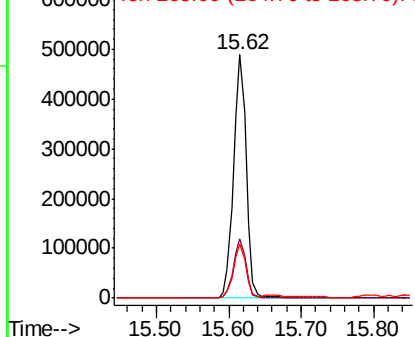


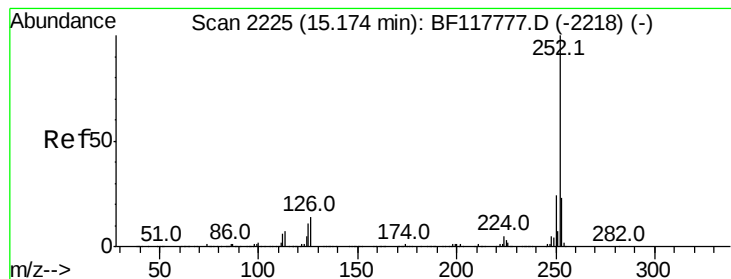
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	22.3	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: 12.268 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

ClientSampleId :

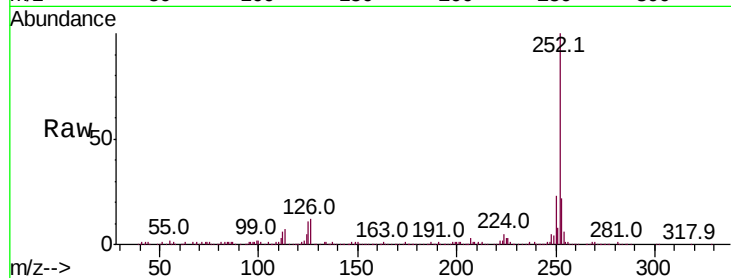
Tot Ion:252 Resp: 476487

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

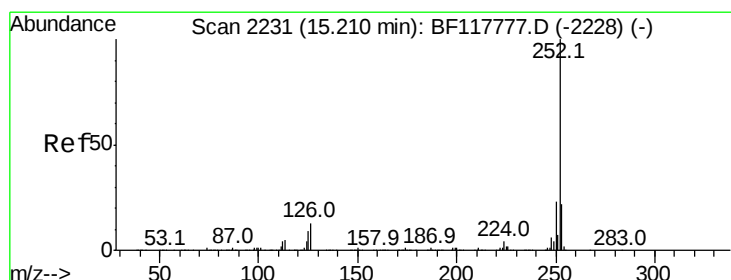
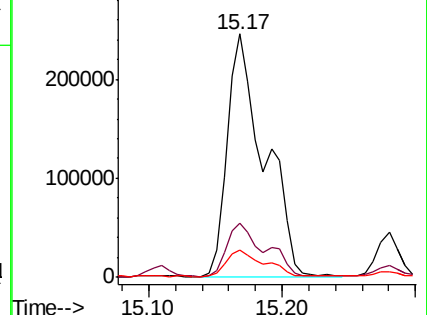
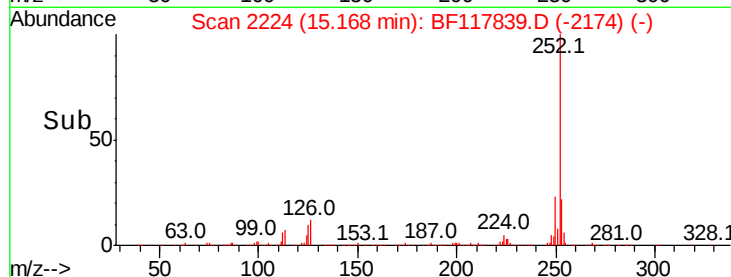
125 11.0 8.6 13.0



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: 13.020 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.04 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

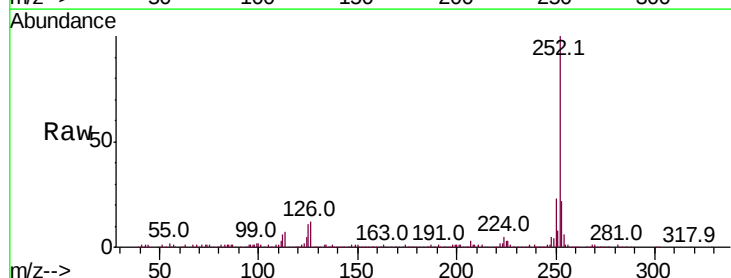
Tgt Ion:252 Resp: 476487

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

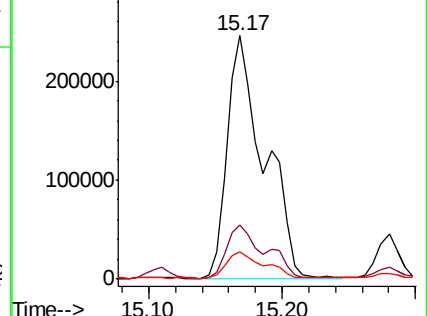
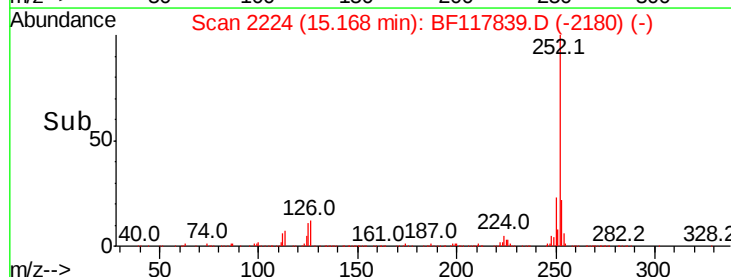
125 11.0 7.9 11.9

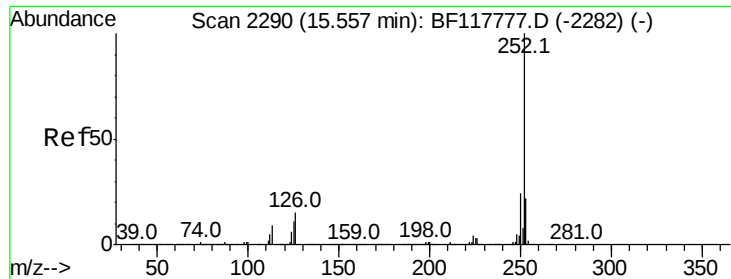


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

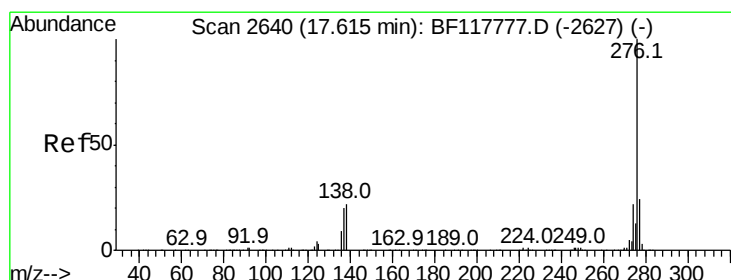
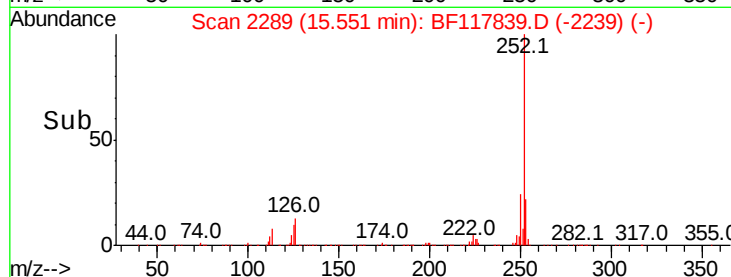
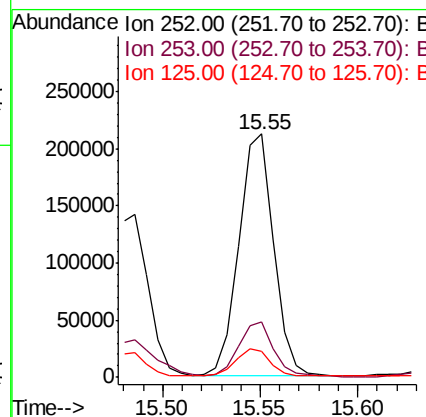
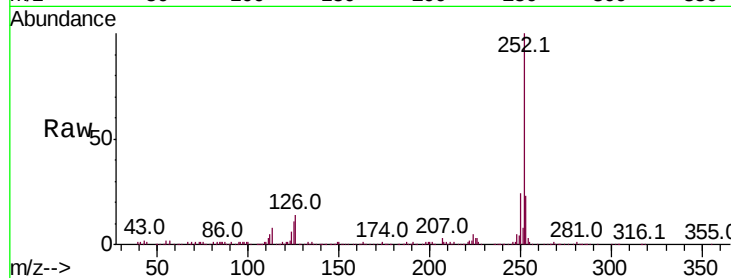




#90
Benzo(a)pyrene
Concen: 7.679 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.8	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 6.335 ng
RT: 17.60 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	22.3	17.4	26.2

