

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117849.D
 Acq On : 18 Nov 2019 21:40
 Operator : JU
 Sample : K5792-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:57:33 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

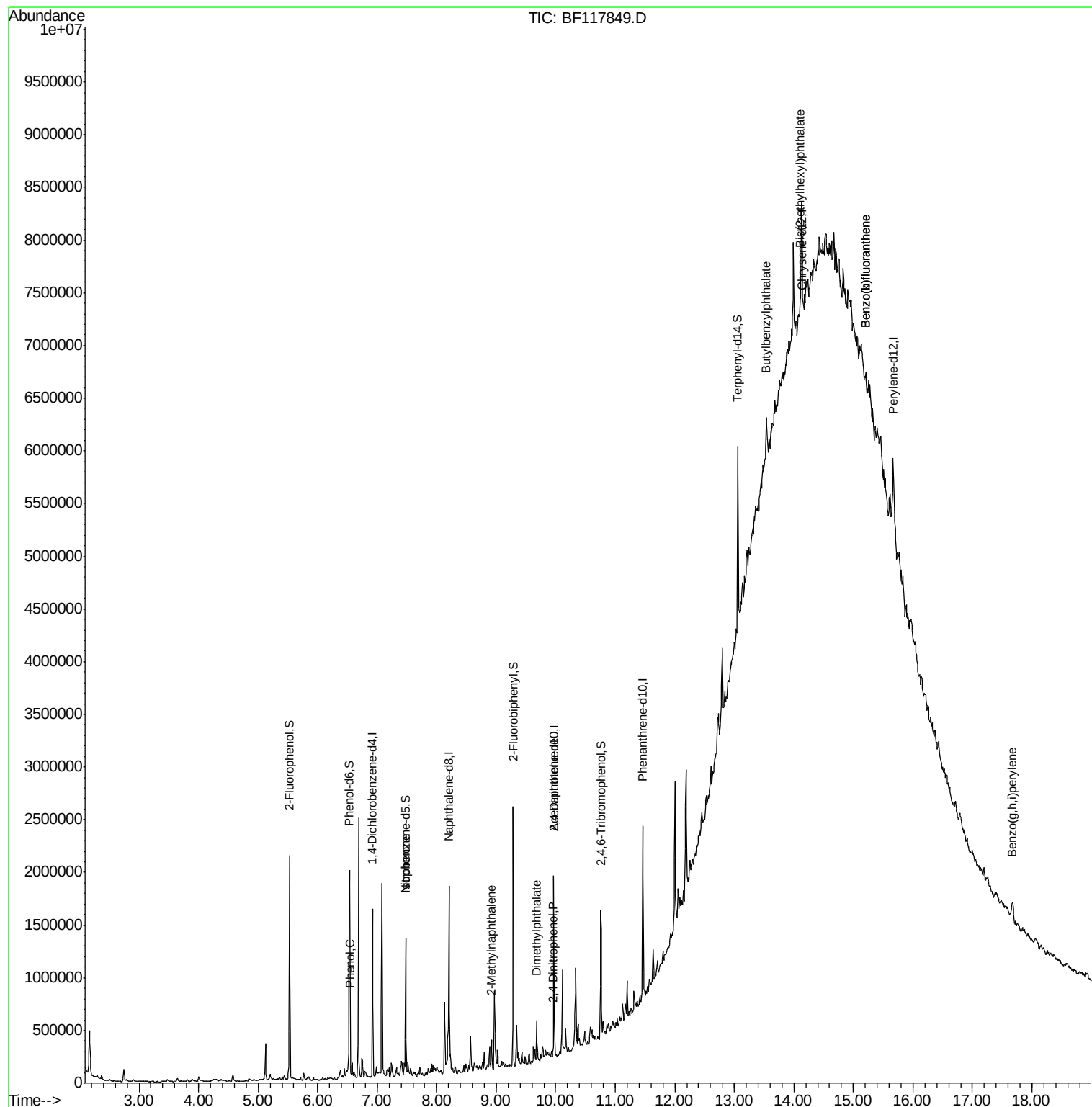
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	206094	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	735824	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	333220	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	574085	20.00	ng	0.00
76) Chrysene-d12	14.13	240	402684	20.00	ng	0.02
87) Perylene-d12	15.67	264	330335	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	541298	46.49	ng	0.00
7) Phenol-d6	6.53	99	661705	47.12	ng	-0.01
23) Nitrobenzene-d5	7.48	82	380616	30.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	148971	42.23	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	690343	37.17	ng	0.00
79) Terphenyl-d14	13.06	244	652953	29.63	ng	0.00
Target Compounds						
9) Benzaldehyde	6.47	77	8964	Below Cal		Qvalue # 81
10) Phenol	6.55	94	35035	2.401 ng		96
25) Isophorone	7.48	82	378422	16.680 ng	#	62
37) 2-Methylnaphthalene	8.92	142	64019	2.762 ng		99
50) Dimethylphthalate	9.68	163	112405	4.810 ng		98
54) 2,4-Dinitrophenol	9.95	184	244	7.309 ng	#	1
57) 2,4-Dinitrotoluene	9.97	165	45865	7.060 ng	#	26
75) Fluoranthene	12.69	202	19389	Below Cal	#	19
80) Butylbenzylphthalate	13.54	149	76331	5.461 ng	#	66
84) Bis(2-ethylhexyl)phthalate	14.10	149	47901	2.827 ng	#	97
88) Benzo(b)fluoranthene	15.22	252	57170	2.664 ng	#	1
89) Benzo(k)fluoranthene	15.22	252	57170	2.827 ng	#	1
92) Benzo(a,h,i)perylene	17.67	276	138066	8.533 ng		97

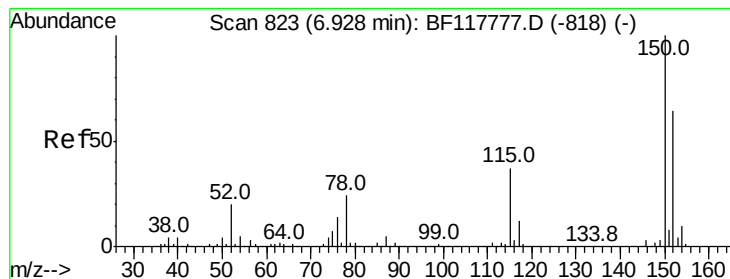
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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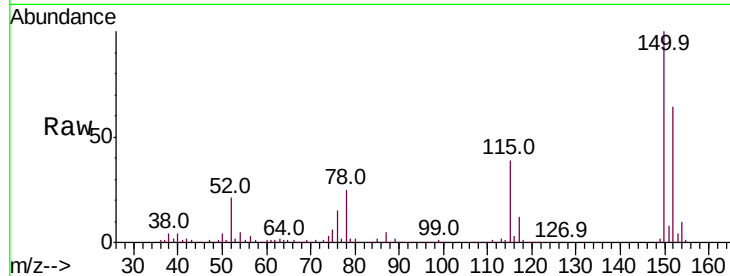


#1

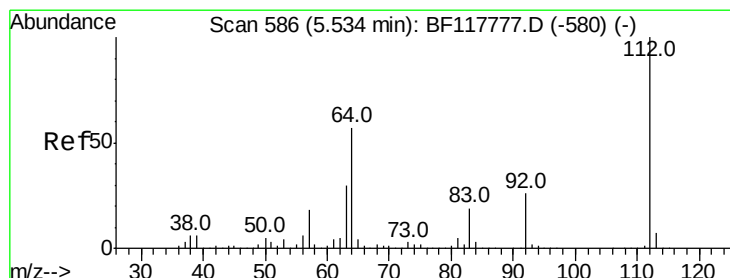
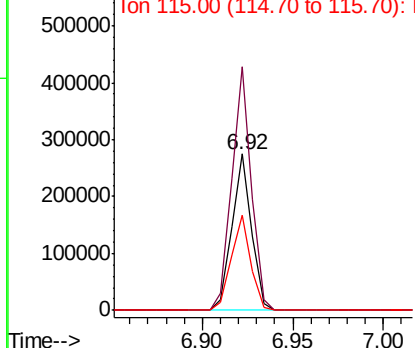
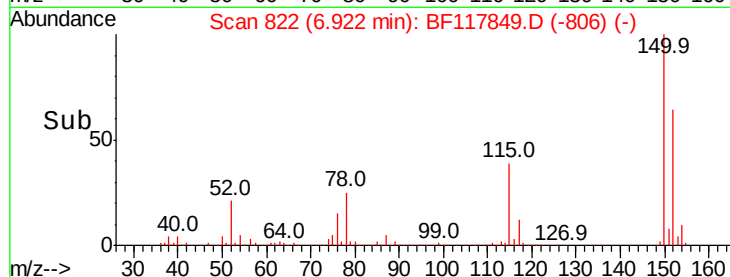
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.3	187.9
115	61.1	47.0	70.4



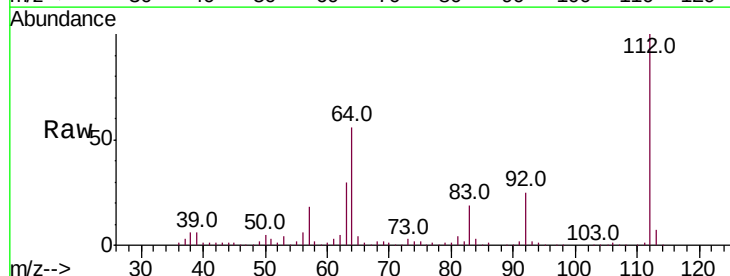
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



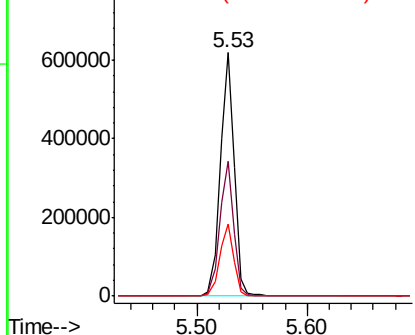
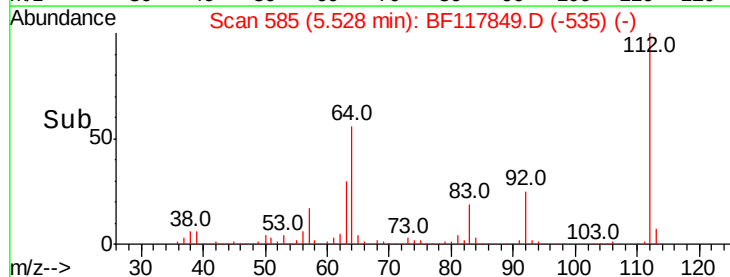
#5

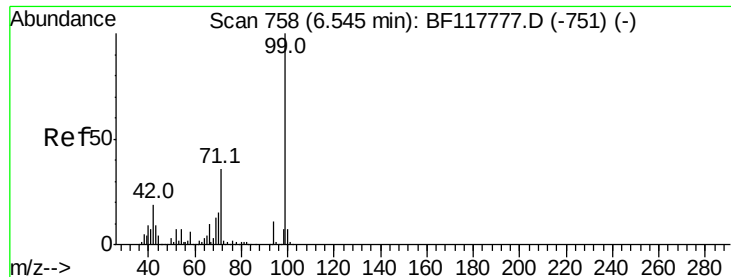
2-Fluorophenol
 Concen: 46.491 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.6	68.4
63	29.8	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: 47.119 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

Instrument :

BNA_F

ClientSampleId :

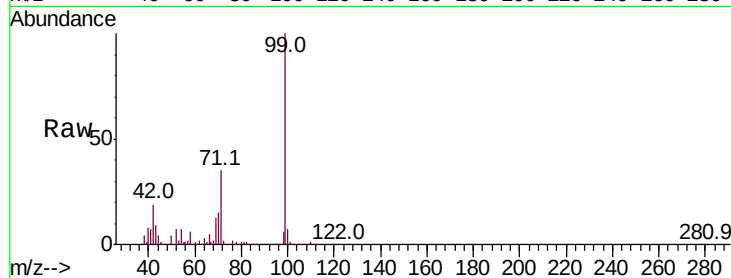
Tot Ion: 99 Resp: 661705

Ion Ratio Lower Upper

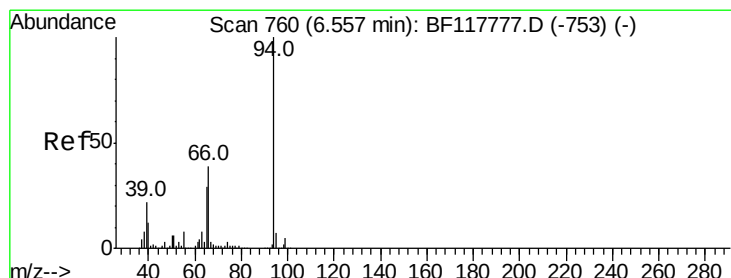
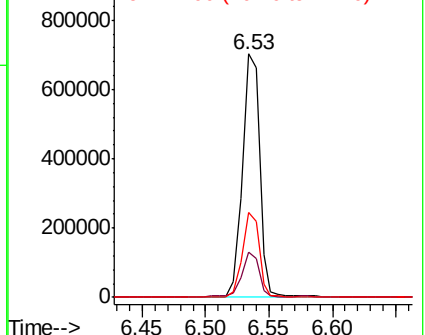
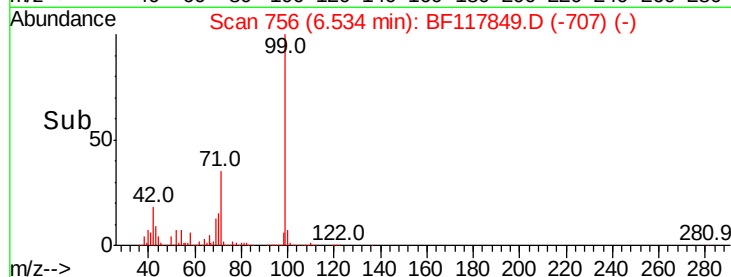
99 100

42 18.6 14.9 22.3

71 35.0 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: 2.401 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

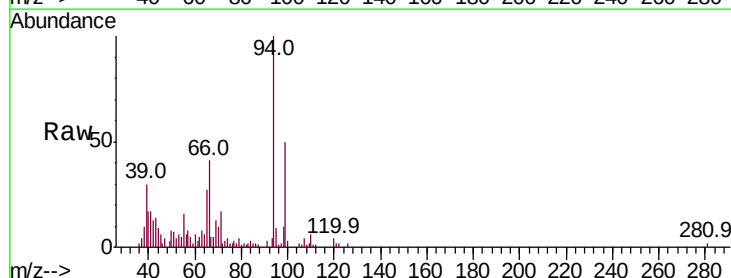
Tgt Ion: 94 Resp: 35035

Ion Ratio Lower Upper

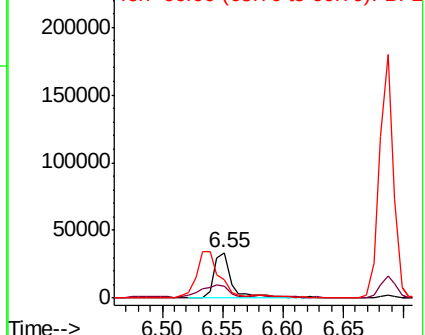
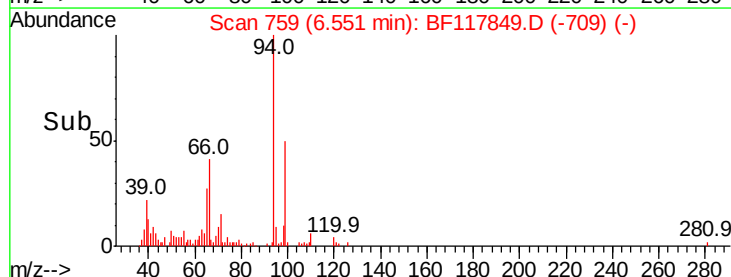
94 100

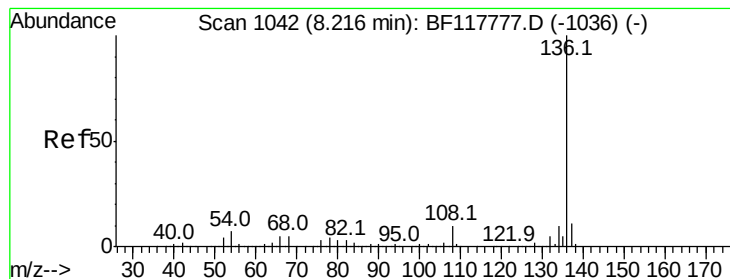
65 26.5 8.9 48.9

66 41.3 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 735824

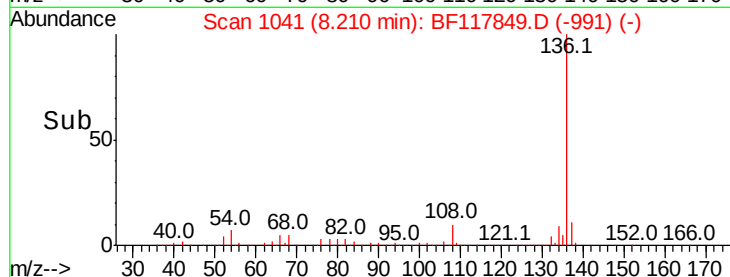
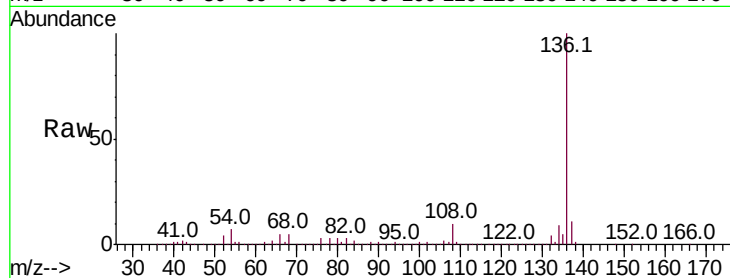
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.7 5.4 8.2

68 5.3 4.3 6.5

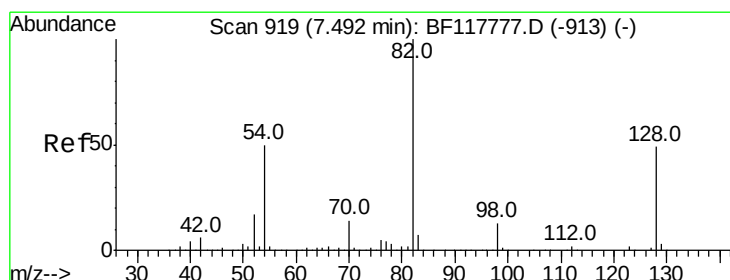
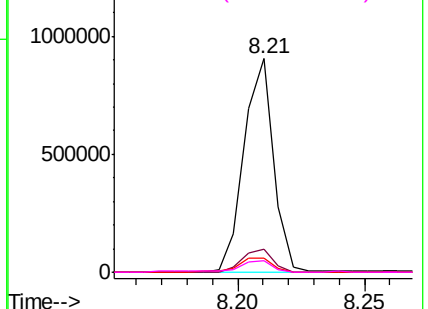


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 30.749 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

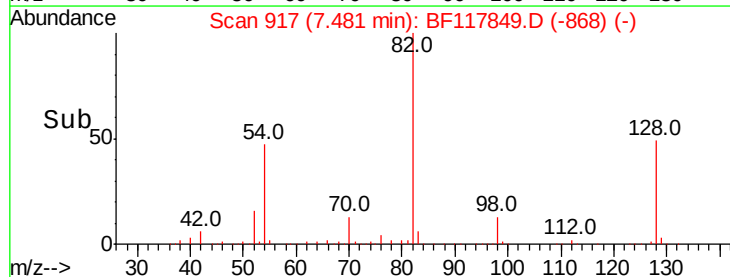
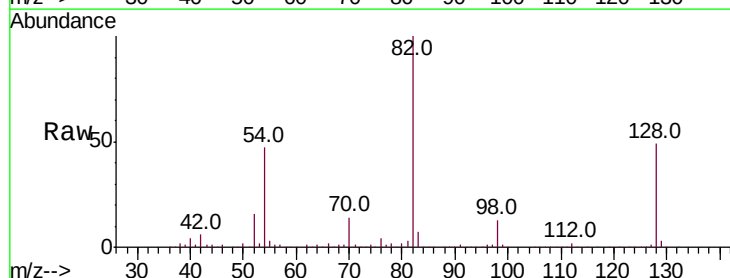
Tgt Ion: 82 Resp: 380616

Ion Ratio Lower Upper

82 100

128 48.9 38.9 58.3

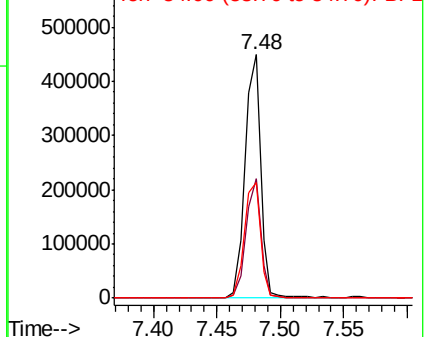
54 47.5 39.8 59.6

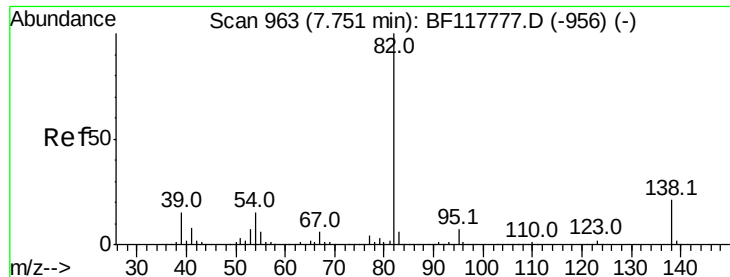


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.680 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

Instrument :

BNA_F

ClientSampleId :

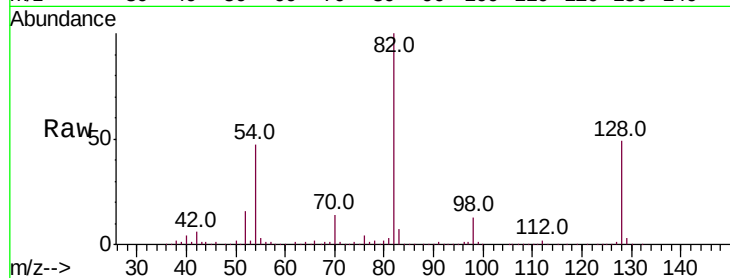
Tot Ion: 82 Resp: 378422

Ion Ratio Lower Upper

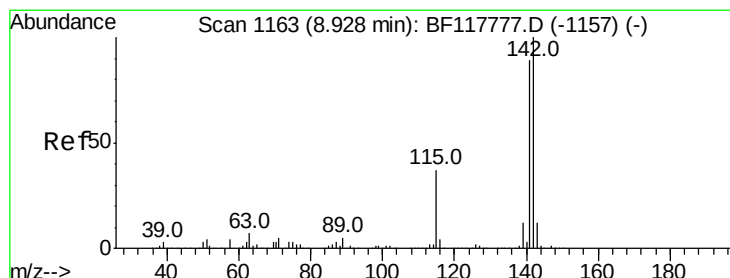
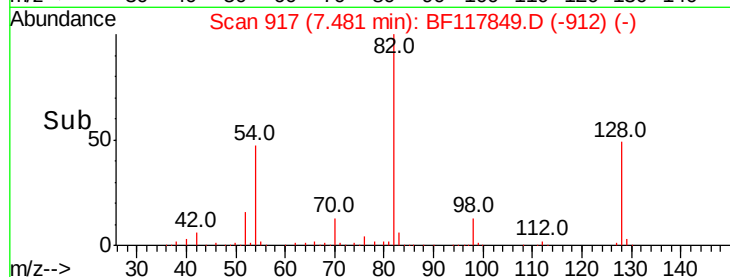
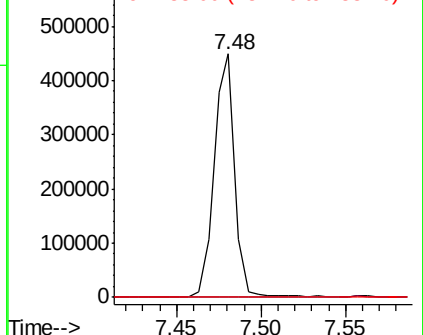
82 100

95 0.3 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



#37

2-Methylnaphthalene

Concen: 2.762 ng

RT: 8.92 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

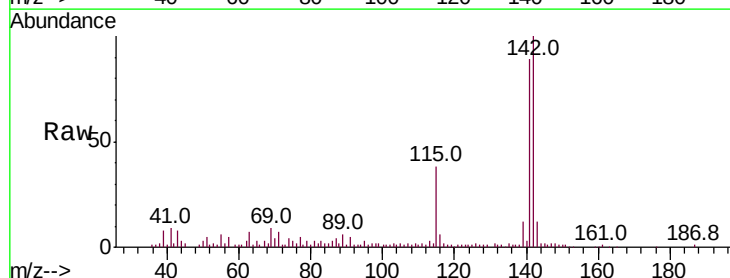
Tgt Ion: 142 Resp: 64019

Ion Ratio Lower Upper

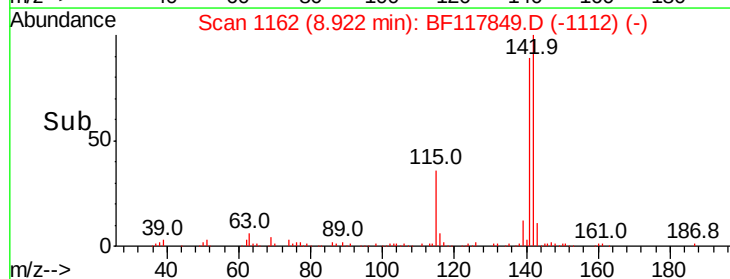
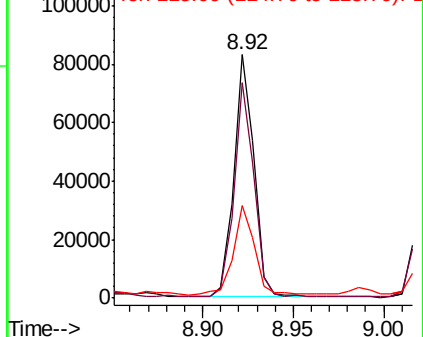
142 100

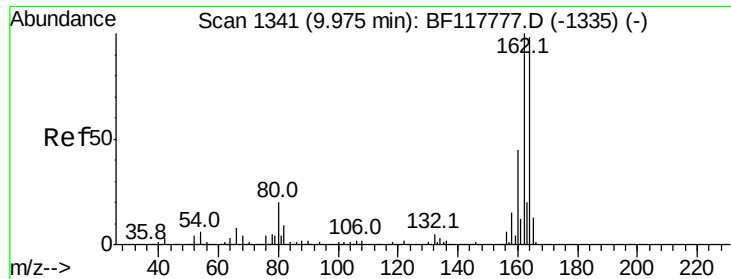
141 88.6 71.1 106.7

115 38.0 29.2 43.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

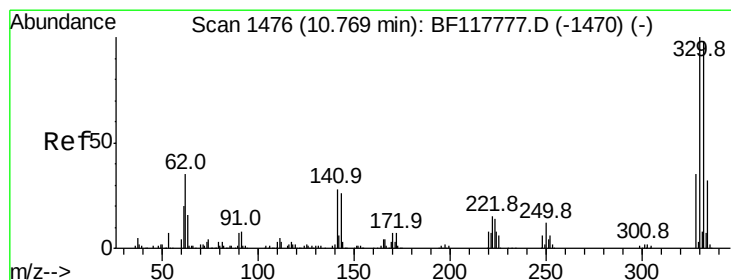
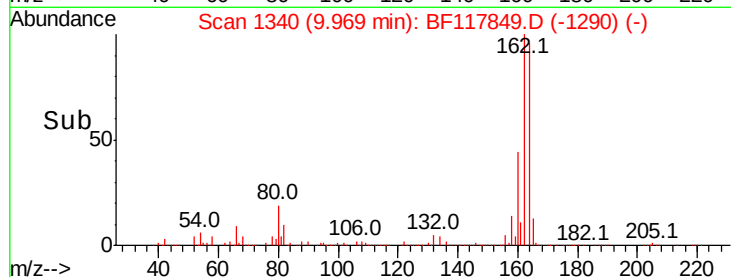
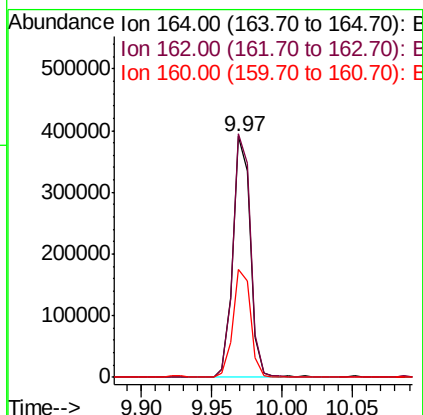
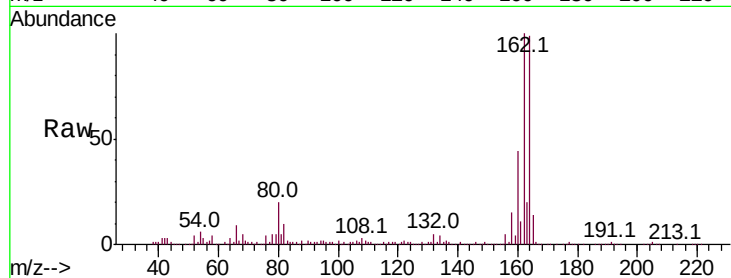




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

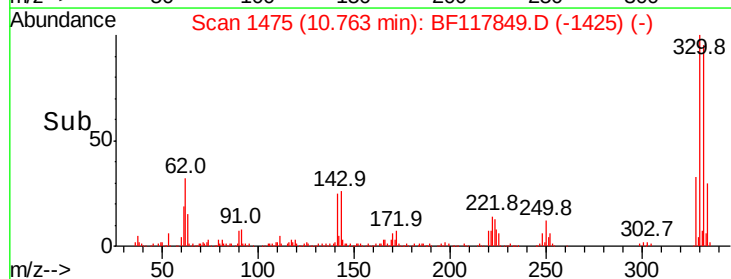
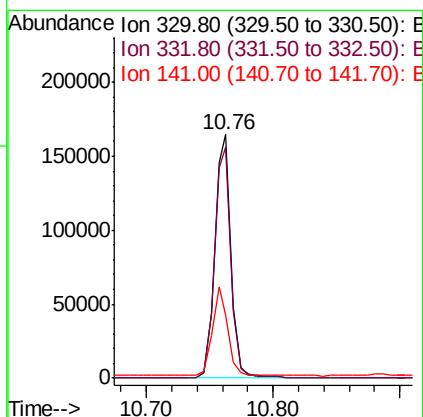
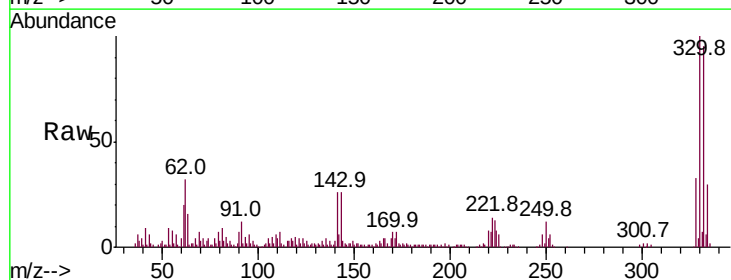
Instrument :
 BNA_F
 ClientSampleId :

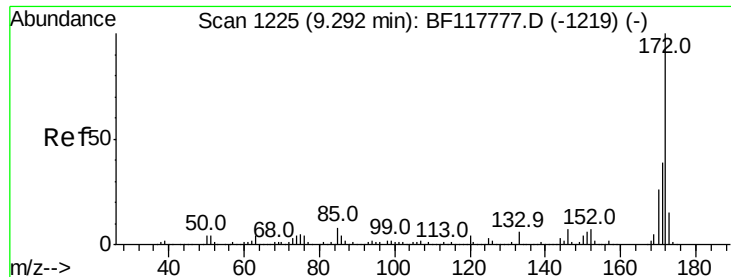
Tot Ion:164 Resp: 333220
 Ion Ratio Lower Upper
 164 100
 162 101.1 81.3 121.9
 160 44.6 36.6 55.0



#42
 2,4,6-Tribromophenol
 Concen: 42.228 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

Tgt Ion:330 Resp: 148971
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.7 115.1
 141 34.1 27.7 41.5

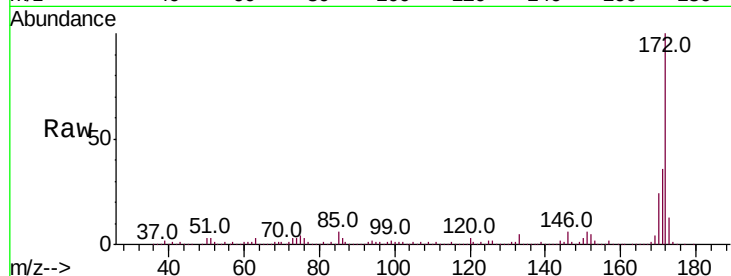




#45
2-Fluorobiphenyl
Concen: 37.168 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117849.D
Acq: 18 Nov 2019 21:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.9	46.3
170	23.8	21.0	31.4

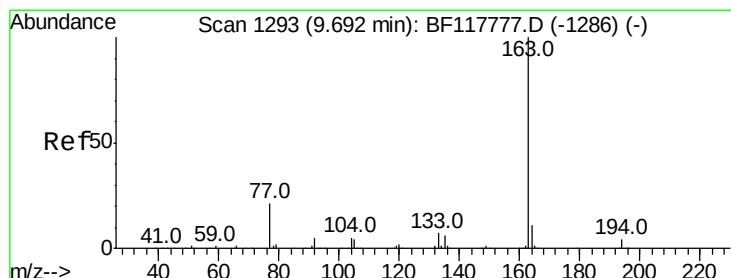
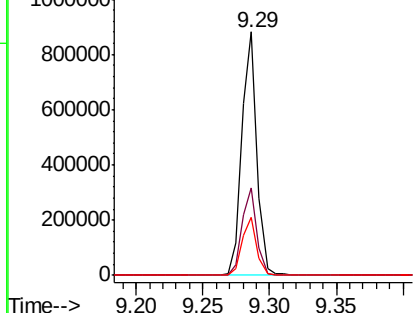
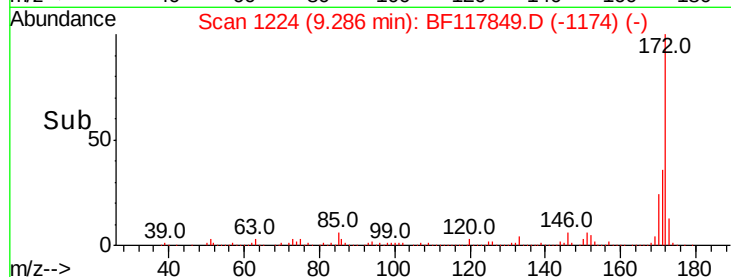


Abundance

Ion 172.00 (171.70 to 172.70): E

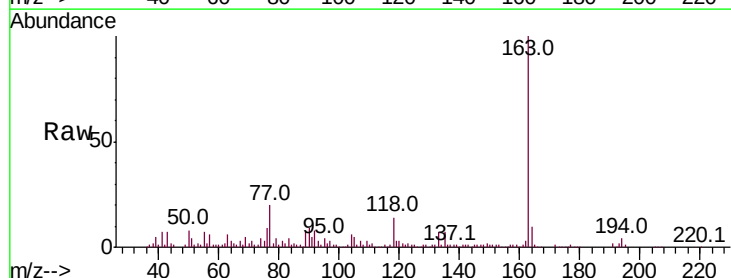
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.810 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF117849.D
Acq: 18 Nov 2019 21:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.2	8.7	13.1

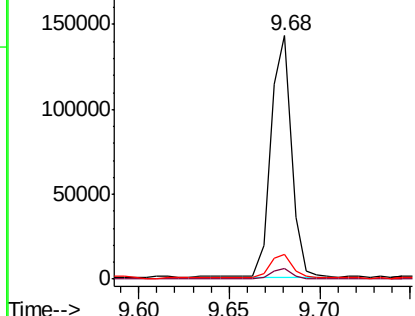
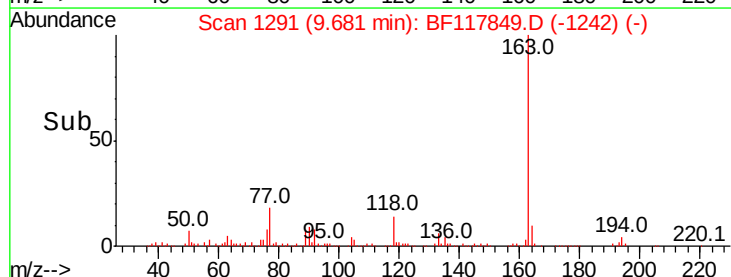


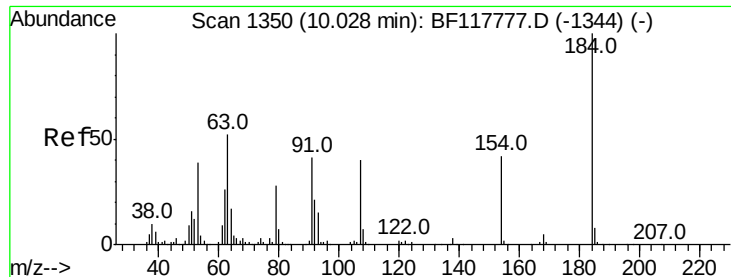
Abundance

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

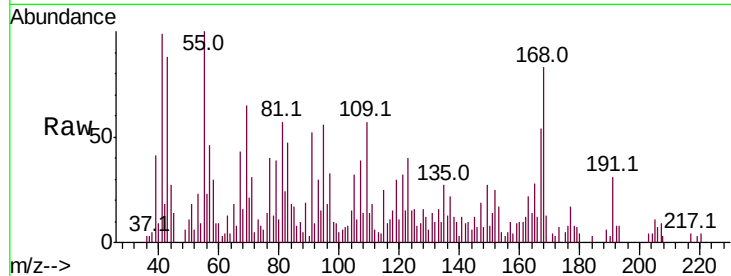




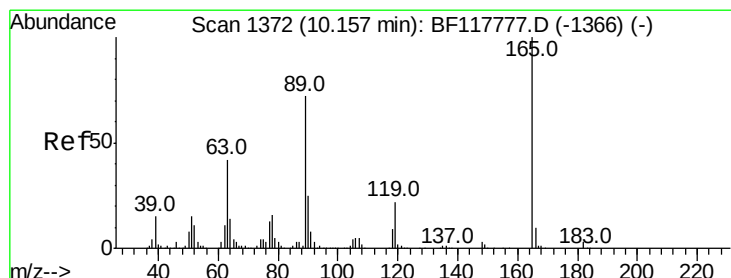
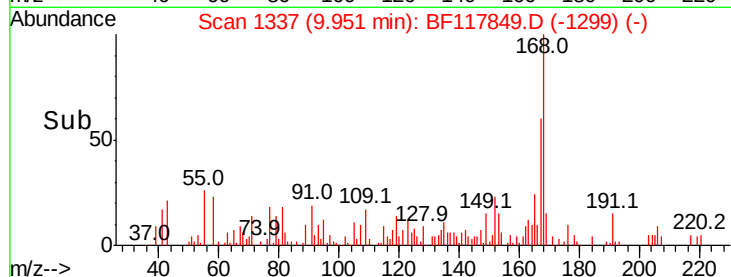
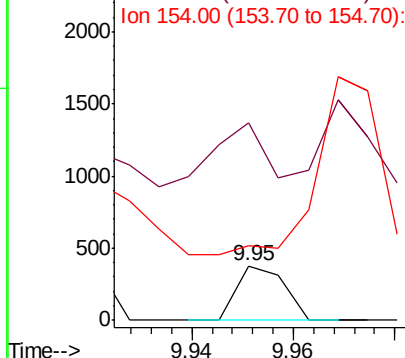
#54
2,4-Dinitrophenol
Concen: 7.309 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.08 min
Lab File: BF117849.D
Acq: 18 Nov 2019 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 244
Ion Ratio Lower Upper
184 100
63 361.4 43.0 64.6#
154 136.8 48.0 72.0#

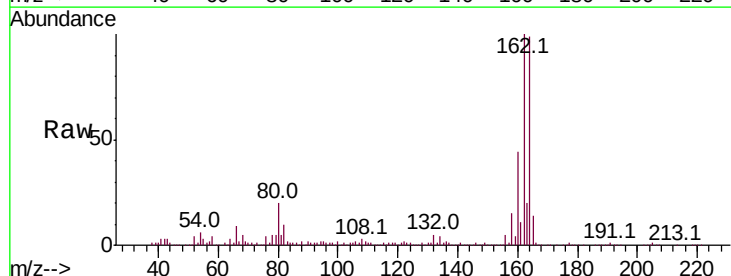


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

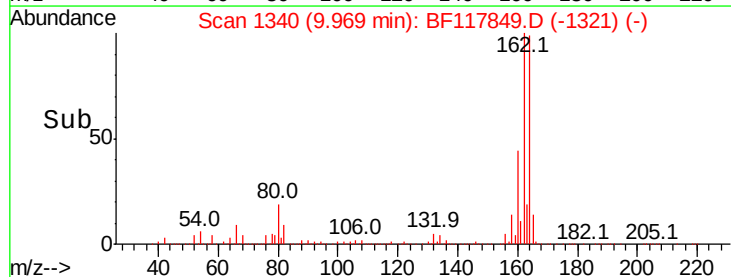
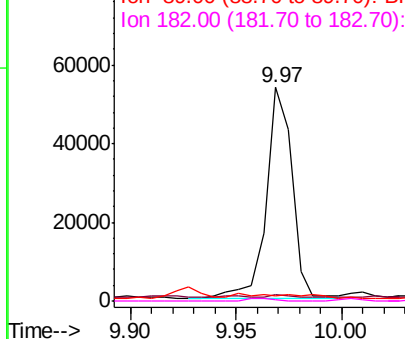


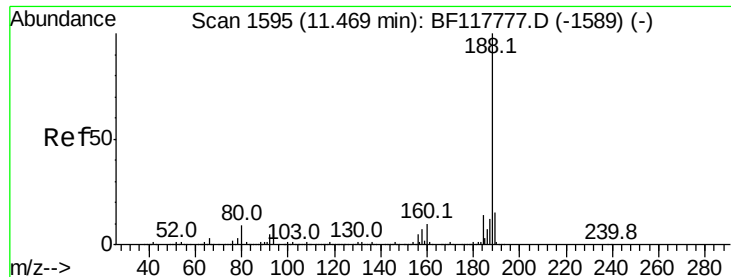
#57
2,4-Dinitrotoluene
Concen: 7.060 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.19 min
Lab File: BF117849.D
Acq: 18 Nov 2019 21:40

Tgt Ion:165 Resp: 45865
Ion Ratio Lower Upper
165 100
63 2.8 33.7 50.5#
89 2.4 57.3 85.9#
182 0.7 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: BF117849.D

Acq: 18 Nov 2019 21:40

Instrument :

BNA_F

ClientSampleId :

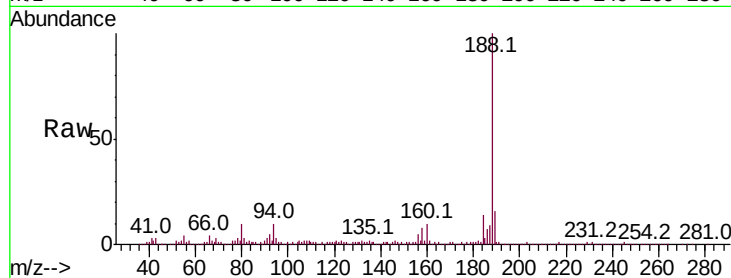
Tot Ion:188 Resp: 574085

Ion Ratio Lower Upper

188 100

94 9.6 6.6 10.0

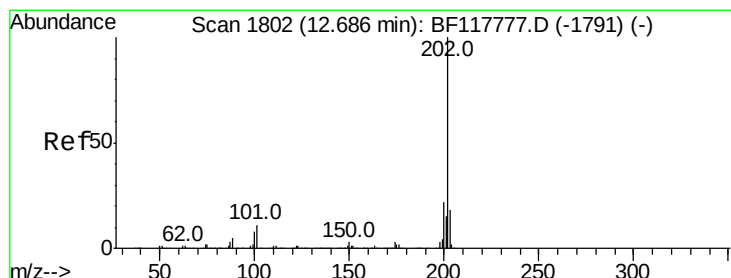
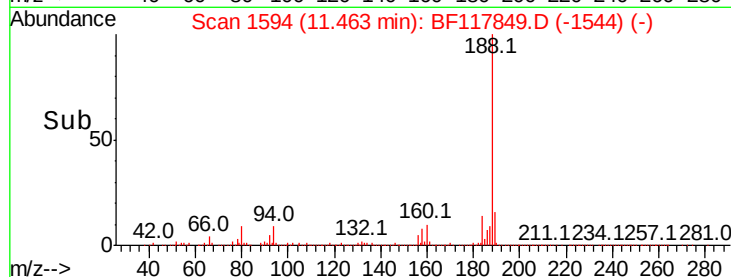
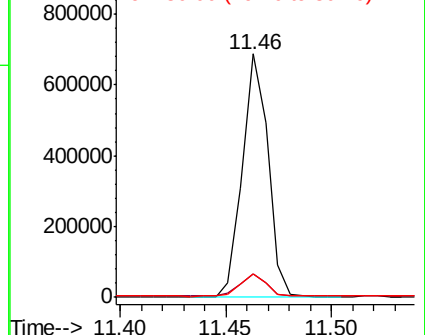
80 9.8 7.2 10.8



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



#75

Fluoranthene

Concen: Below Cal

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

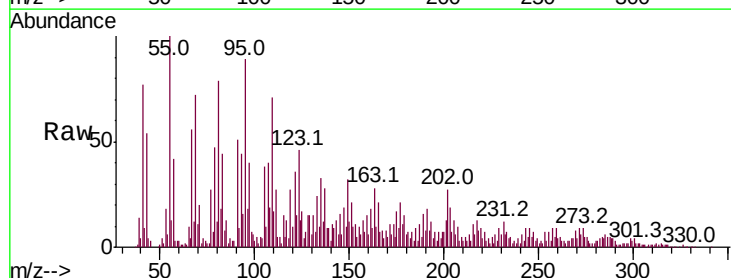
Tgt Ion:202 Resp: 19389

Ion Ratio Lower Upper

202 100

101 17.7 0.0 31.1

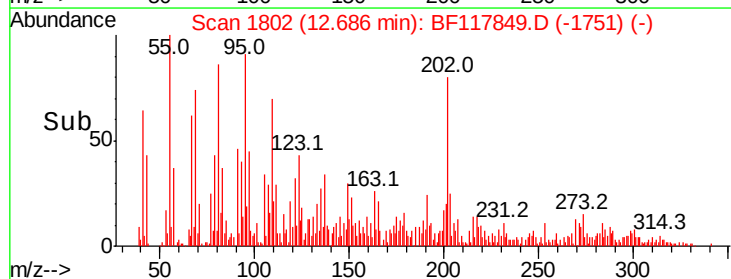
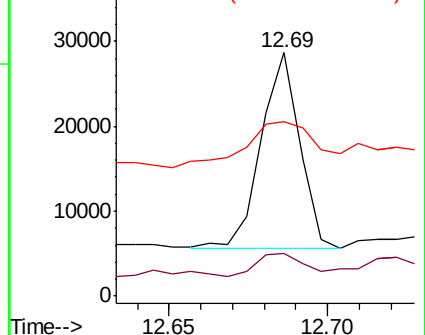
203 71.6 0.0 38.2#

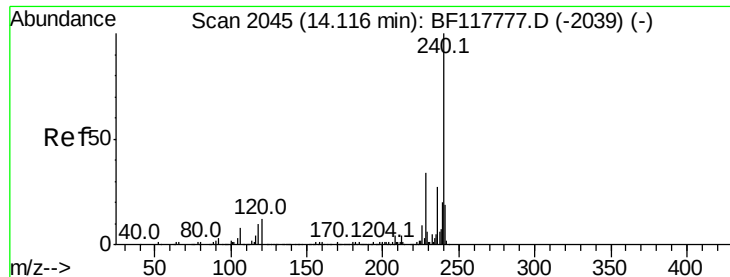


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

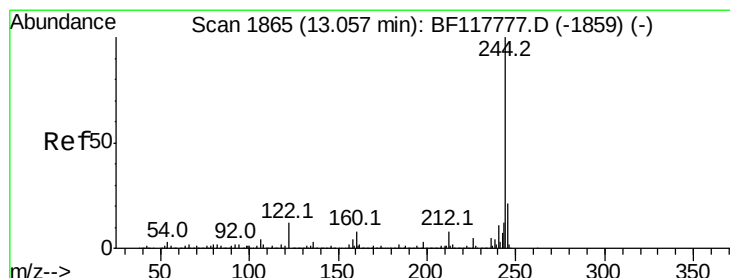
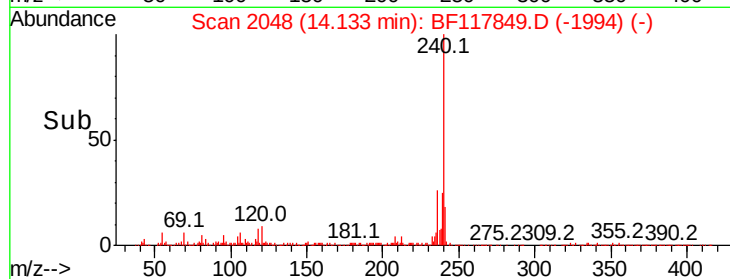
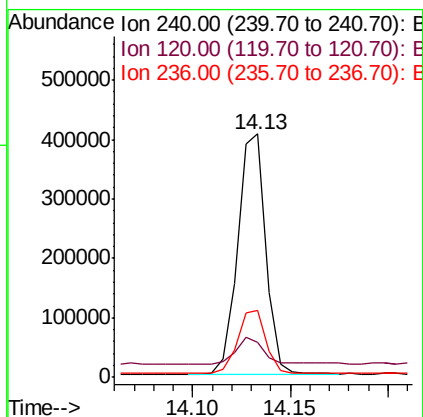
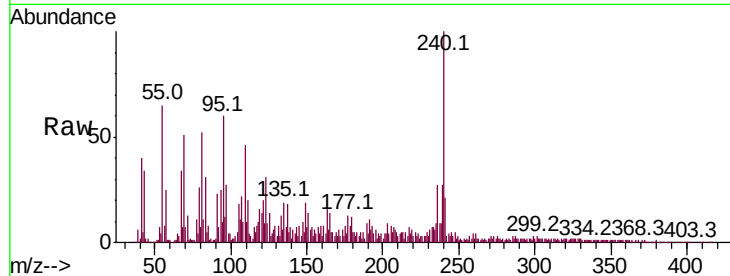




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.02 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

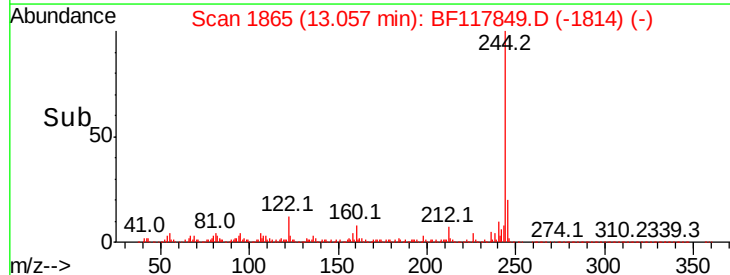
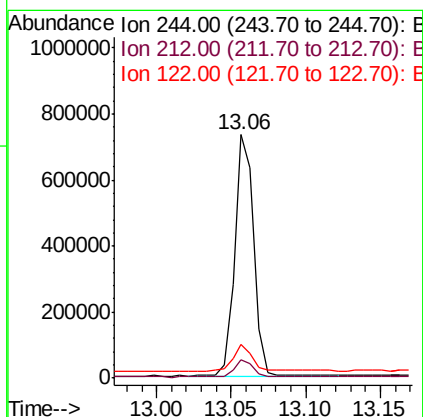
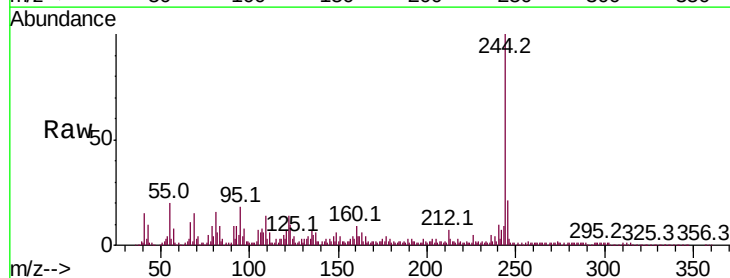
Instrument :
 BNA_F
 ClientSampleId :

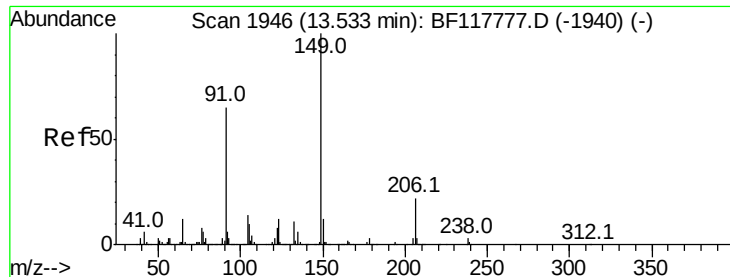
Tot Ion:240 Resp: 402684
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 27.4 21.3 31.9



#79
 Terphenyl-d14
 Concen: 29.635 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

Tgt Ion:244 Resp: 652953
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 13.9 9.4 14.2

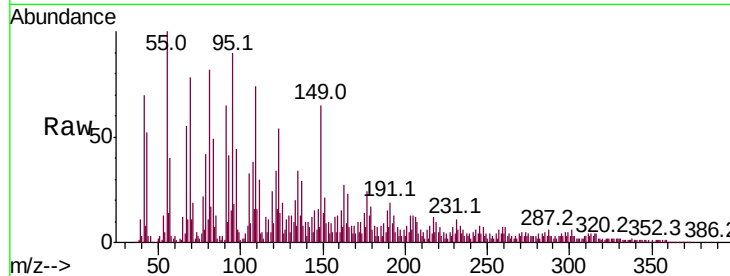




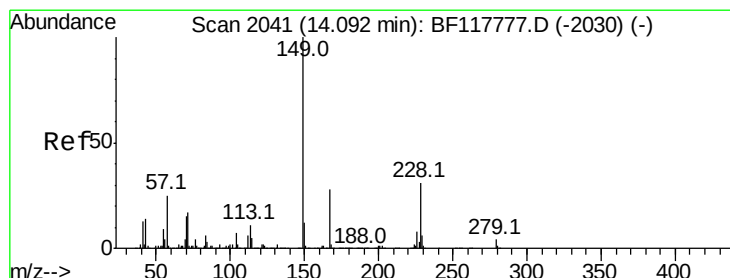
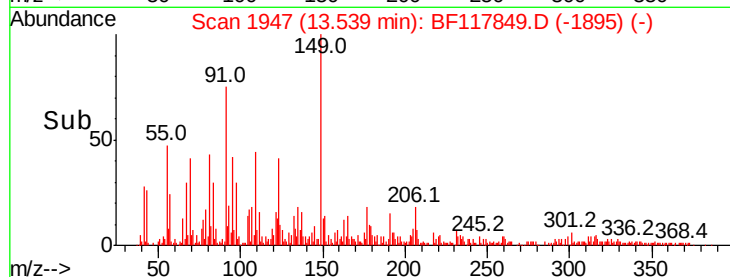
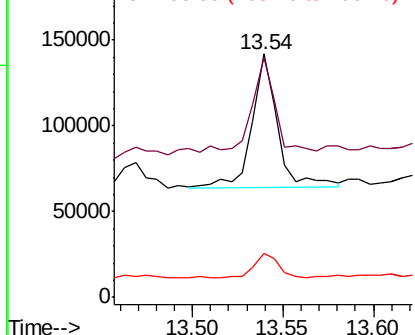
#80
 Butylbenzylphthalate
 Concen: 5.461 ng
 RT: 13.54 min Scan# 1947
 Delta R.T. 0.01 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 76331
 Ion Ratio Lower Upper
 149 100
 91 98.7 51.9 77.9#
 206 17.8 17.2 25.8

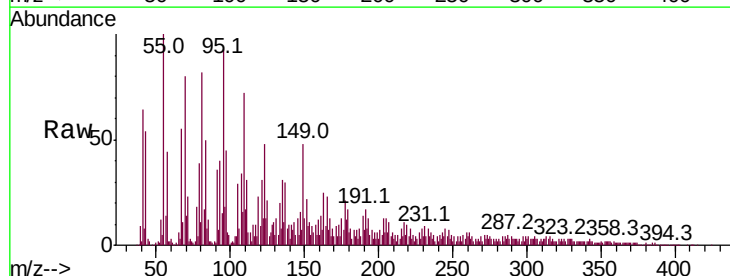


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E

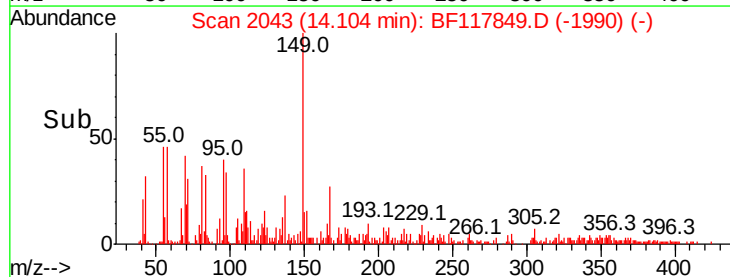
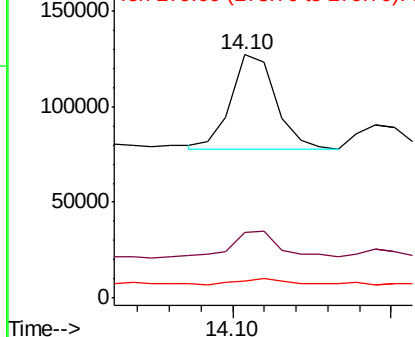


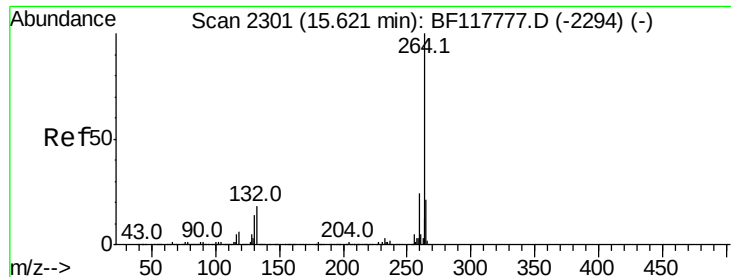
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.827 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. 0.01 min
 Lab File: BF117849.D
 Acq: 18 Nov 2019 21:40

Tgt Ion:149 Resp: 47901
 Ion Ratio Lower Upper
 149 100
 167 26.8 22.2 33.2
 279 7.1 3.4 5.2#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.05 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

Instrument :

BNA_F

ClientSampleId :

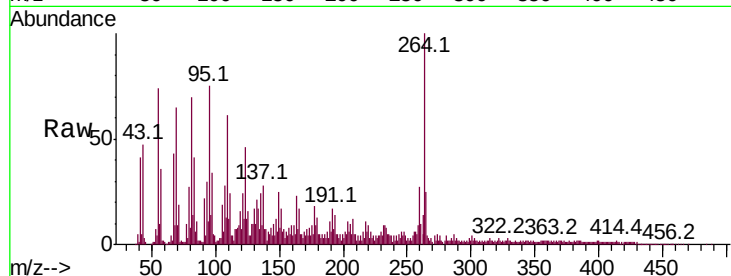
Tot Ion:264 Resp: 330335

Ion Ratio Lower Upper

264 100

260 27.1 19.4 29.0

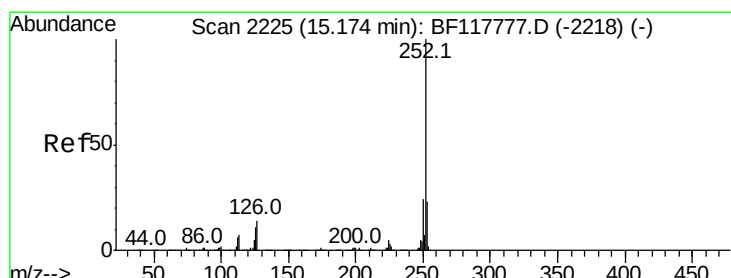
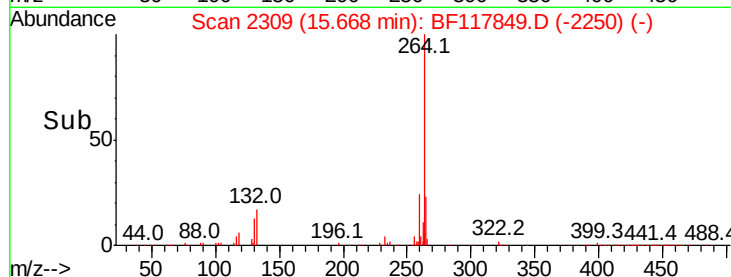
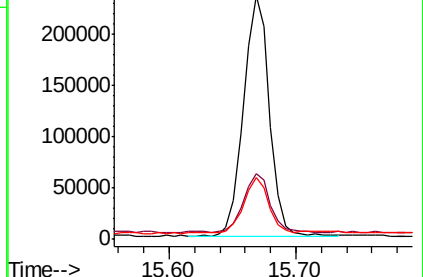
265 25.4 17.1 25.7



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: 2.664 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.04 min

Lab File: BF117849.D

Acq: 18 Nov 2019 21:40

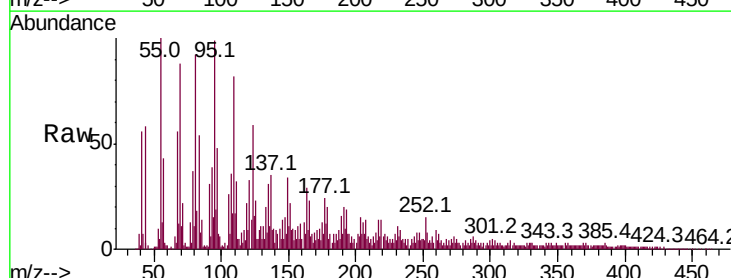
Tgt Ion:252 Resp: 57170

Ion Ratio Lower Upper

252 100

253 51.3 18.0 27.0#

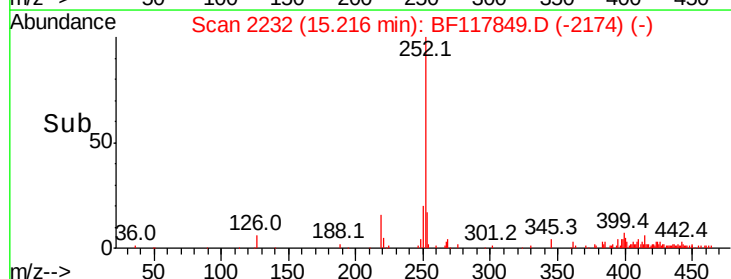
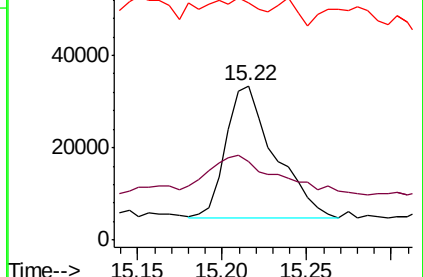
125 153.6 8.6 13.0#

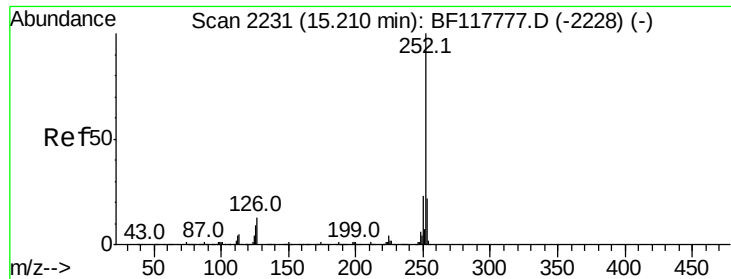


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

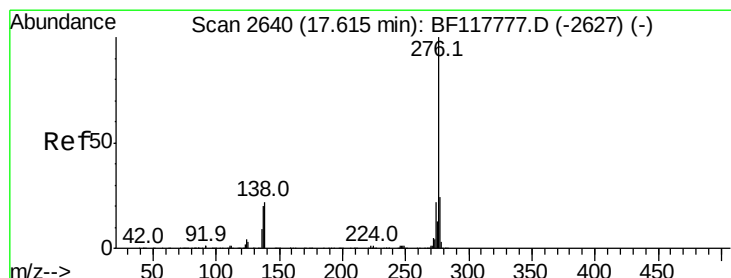
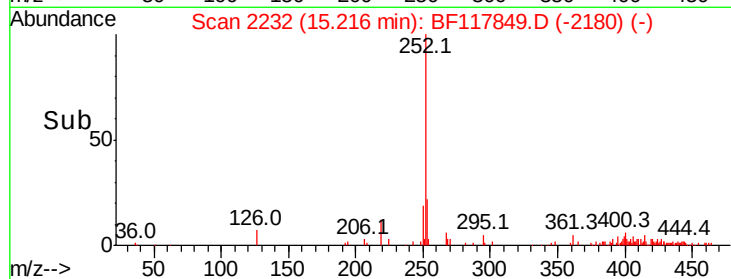
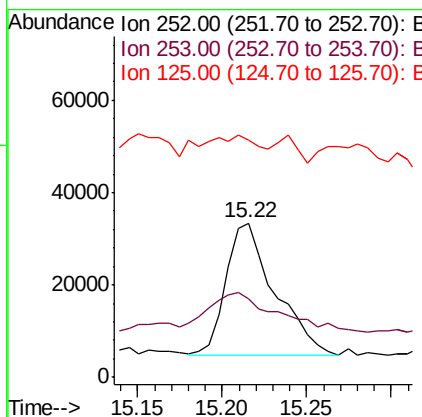
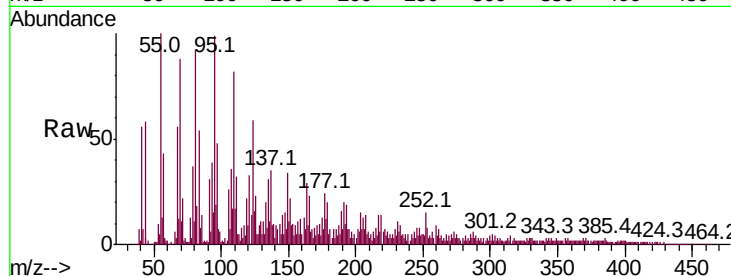




#89
Benzo(k)fluoranthene
Concen: 2.827 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF117849.D
Acq: 18 Nov 2019 21:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 57170
Ion Ratio Lower Upper
252 100
253 51.3 17.5 26.3#
125 153.6 7.9 11.9#



#92
Benzo(g,h,i)perylene
Concen: 8.533 ng
RT: 17.67 min Scan# 2650
Delta R.T. 0.06 min
Lab File: BF117849.D
Acq: 18 Nov 2019 21:40

Tgt Ion:276 Resp: 138066
Ion Ratio Lower Upper
276 100
277 24.1 18.9 28.3
138 24.0 17.4 26.2

