

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117750.D
 Acq On : 8 Nov 2019 23:52
 Operator : JU
 Sample : K5657-06 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-110619

Quant Time: Nov 09 01:28:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	352844	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1390966	20.00	ng	-0.01
39) Acenaphthene-d10	9.98	164	729090	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1203134	20.00	ng	0.00
76) Chrysene-d12	14.12	240	729837	20.00	ng	0.00
87) Perylene-d12	15.63	264	788383	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	812941	41.71	ng	-0.01
7) Phenol-d6	6.54	99	1043605	43.42	ng	-0.02
23) Nitrobenzene-d5	7.49	82	615756	26.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	275377	38.61	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1230816	33.31	ng	-0.01
79) Terphenyl-d14	13.07	244	996654	28.11	ng	0.00

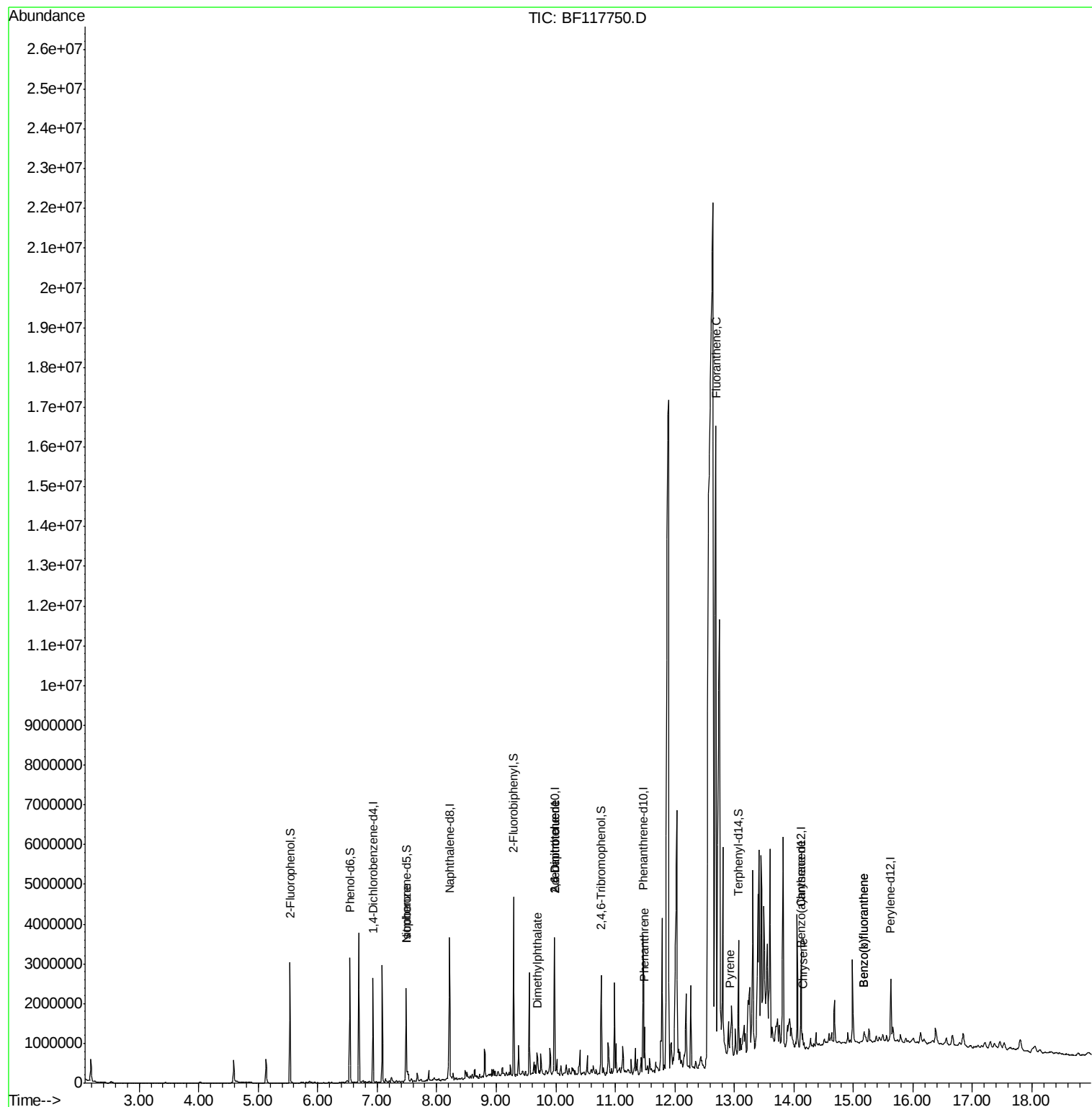
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.49	82	610422	13.546	ng	# 62
50) Dimethylphthalate	9.69	163	131318	2.664	ng	# 98
51) 2,6-Dinitrotoluene	9.97	165	99501	9.015	ng	# 25
57) 2,4-Dinitrotoluene	9.97	165	99501	7.028	ng	# 29
71) Phenanthrene	11.49	178	366083	6.348	ng	94
75) Fluoranthene	12.70	202	166949	2.835	ng	97
78) Pyrene	12.93	202	302644	5.681	ng	97
81) Benzo(a)anthracene	14.11	228	117455	2.585	ng	97
83) Chrysene	14.14	228	115347	2.571	ng	97
88) Benzo(b)fluoranthene	15.18	252	160770	3.238	ng	# 88
89) Benzo(k)fluoranthene	15.18	252	160770	3.630	ng	# 87

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

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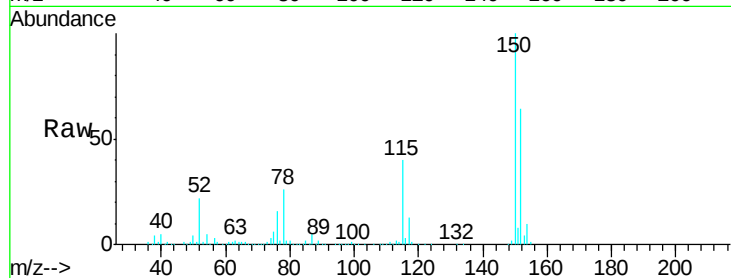


#1

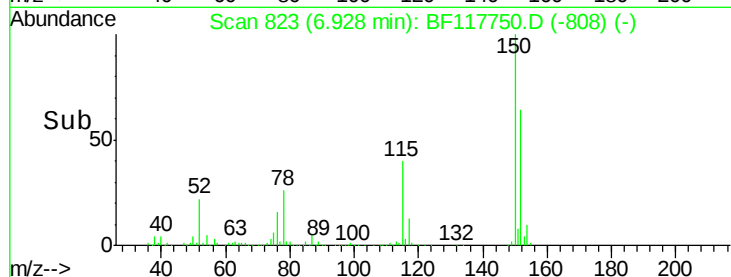
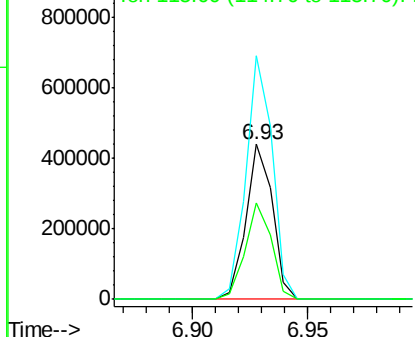
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117750.D
Acq: 8 Nov 2019 23:52

Instrument :
BNA_F
ClientSampleId :
TR-04-110619

Tgt Ion:152 Resp: 352844
Ion Ratio Lower Upper
152 100
150 157.1 121.4 182.2
115 62.4 46.7 70.1



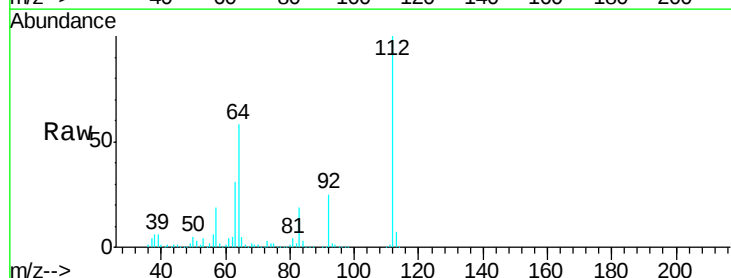
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



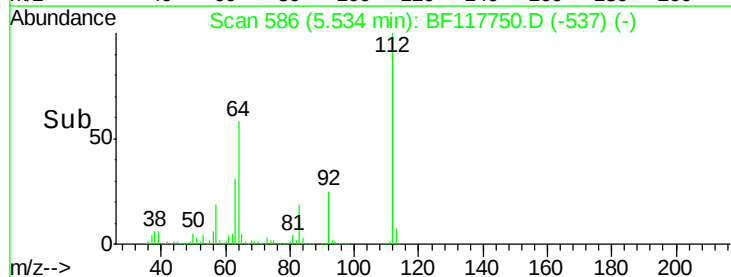
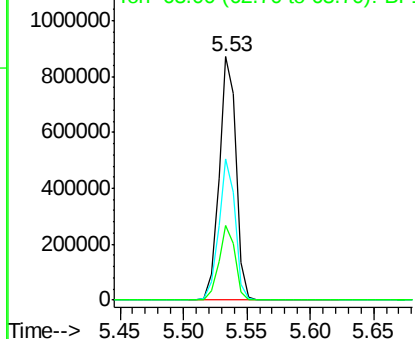
#5

2-Fluorophenol
Concen: 41.705 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF117750.D
Acq: 8 Nov 2019 23:52

Tgt Ion:112 Resp: 812941
Ion Ratio Lower Upper
112 100
64 58.1 46.4 69.6
63 30.6 24.6 37.0



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: 43.421 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Instrument :

BNA_F

ClientSampleId :

TR-04-110619

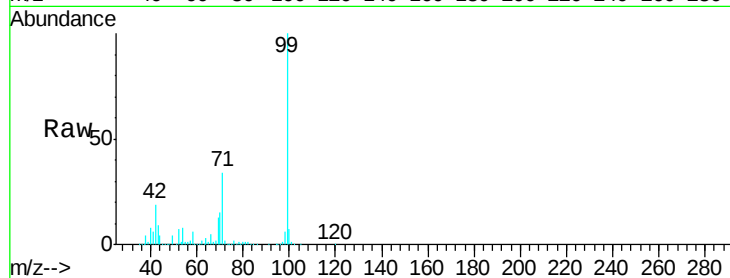
Tgt Ion: 99 Resp: 1043605

Ion Ratio Lower Upper

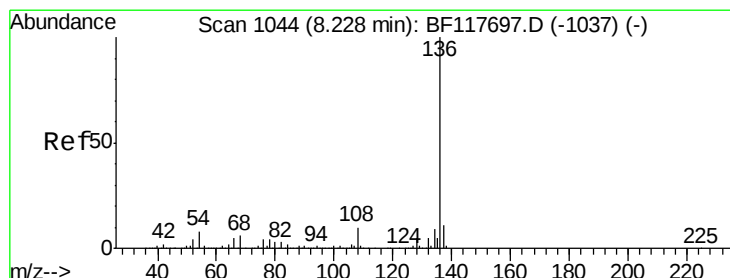
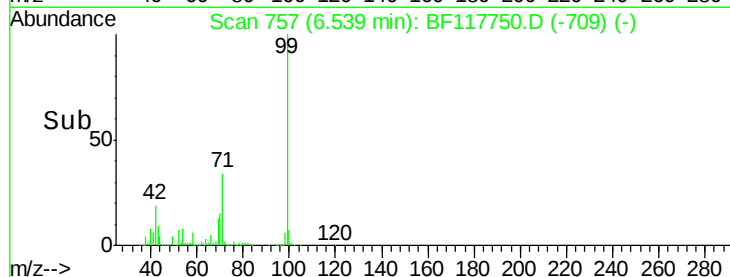
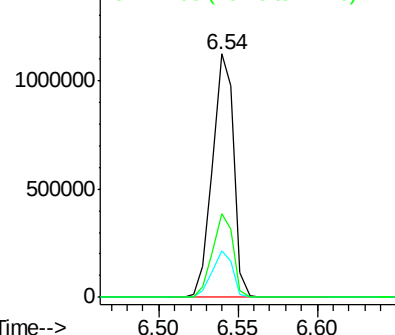
99 100

42 19.2 15.3 22.9

71 34.2 26.8 40.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Tgt Ion: 136 Resp: 1390966

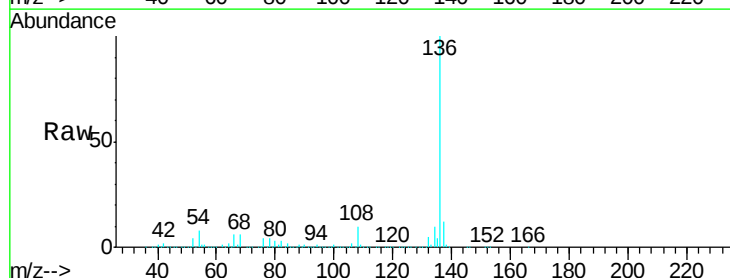
Ion Ratio Lower Upper

136 100

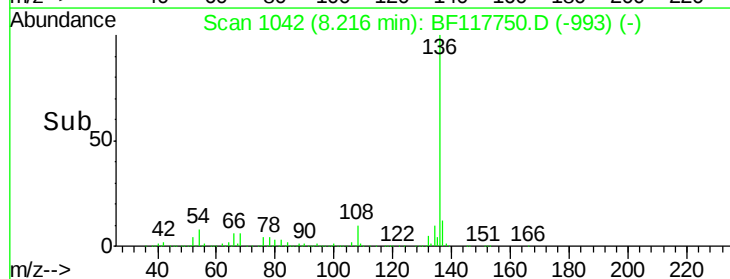
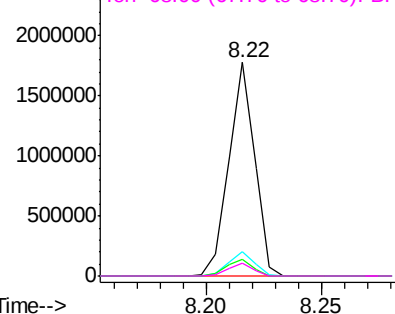
137 11.5 8.8 13.2

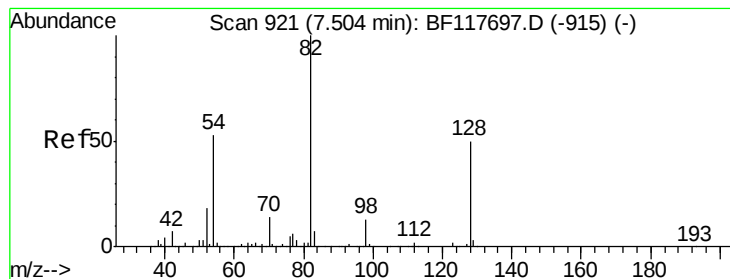
54 7.8 6.0 9.0

68 5.9 4.8 7.2



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: 26.136 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Instrument :

BNA_F

ClientSampleId :

TR-04-110619

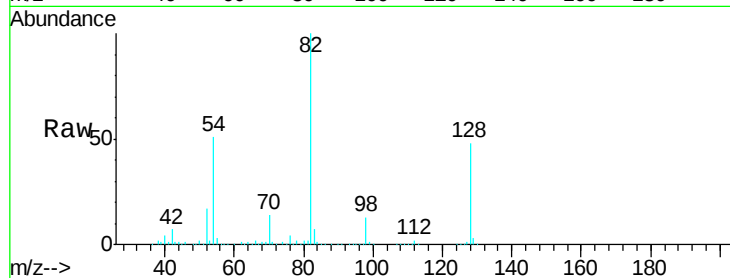
Tgt Ion: 82 Resp: 615756

Ion Ratio Lower Upper

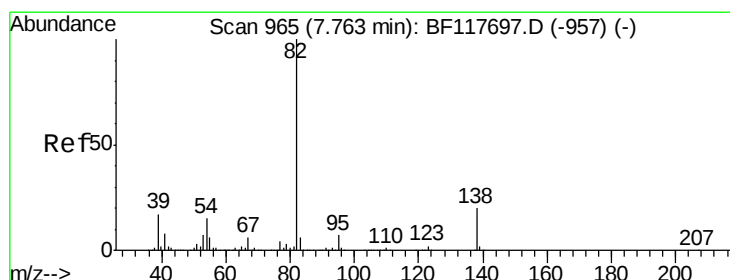
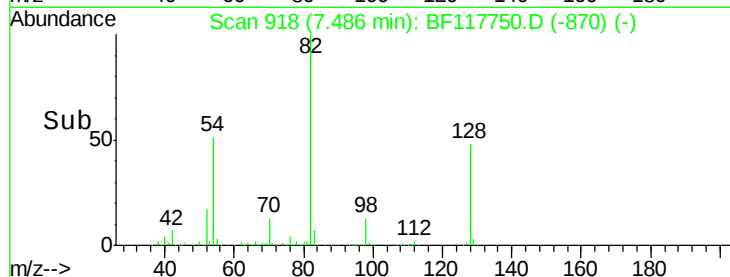
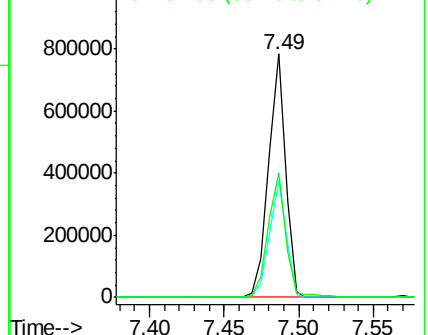
82 100

128 48.0 40.2 60.2

54 51.1 42.0 63.0



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: 13.546 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.28 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

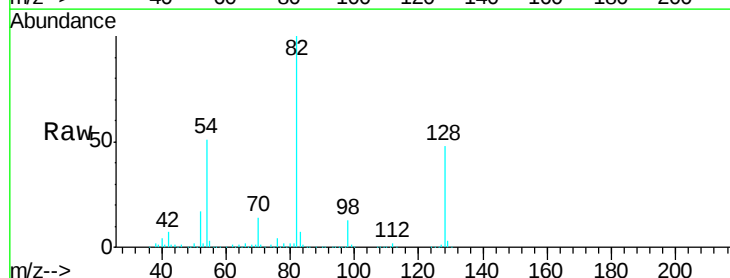
Tgt Ion: 82 Resp: 610422

Ion Ratio Lower Upper

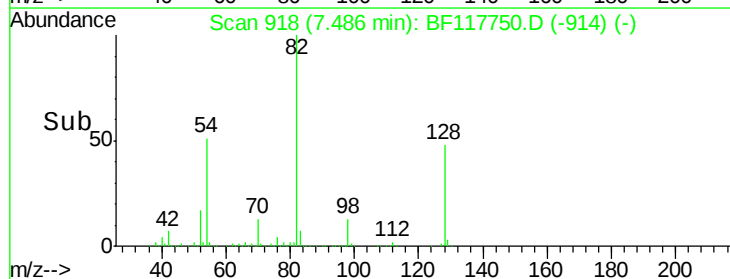
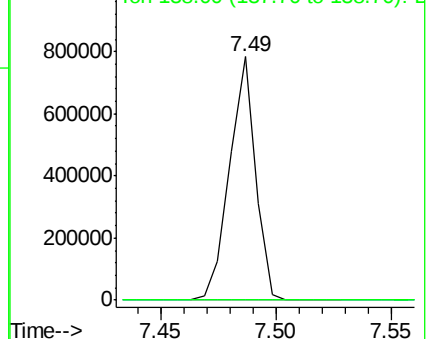
82 100

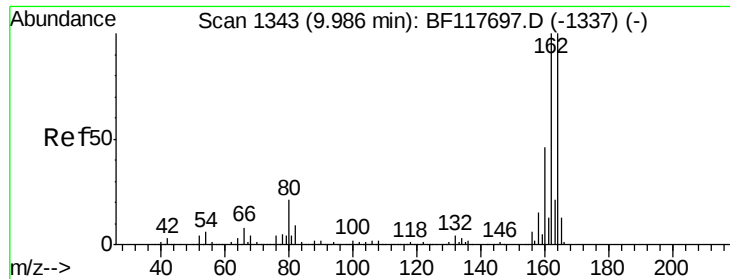
95 0.2 5.8 8.6#

138 0.0 16.2 24.2#



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

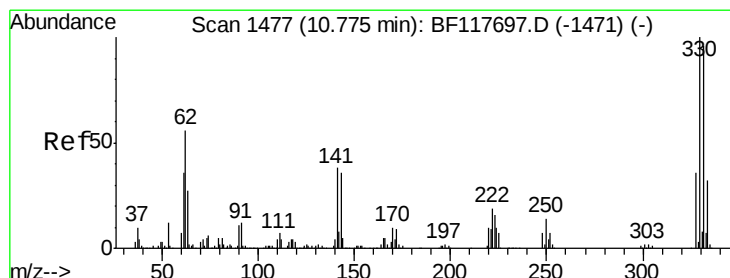
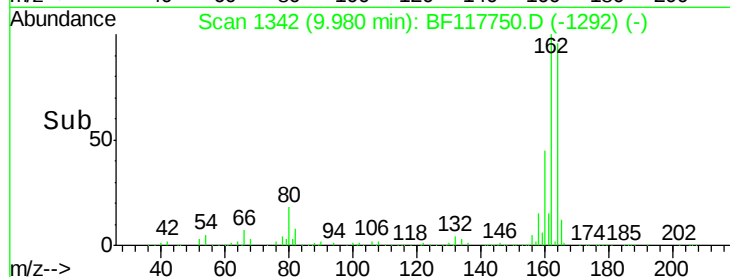
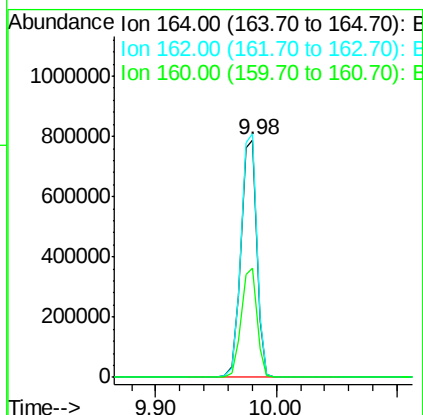
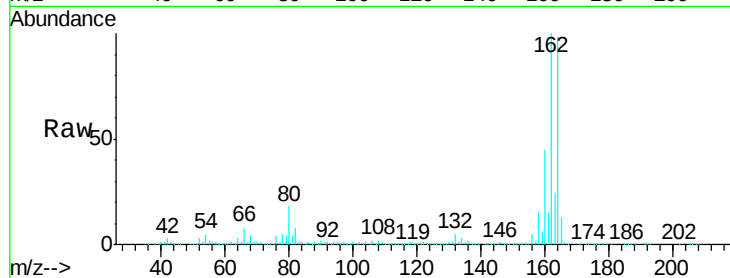




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.01 min
 Lab File: BF117750.D
 Acq: 8 Nov 2019 23:52

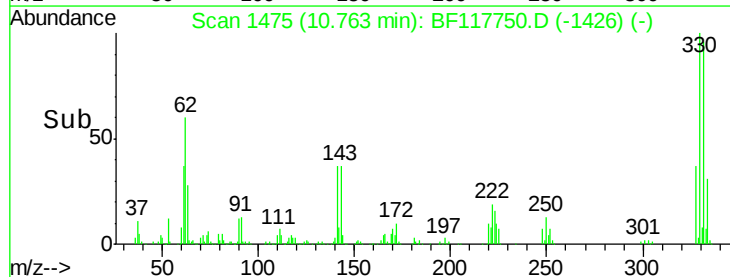
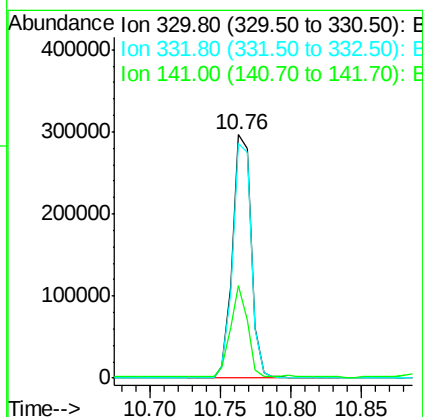
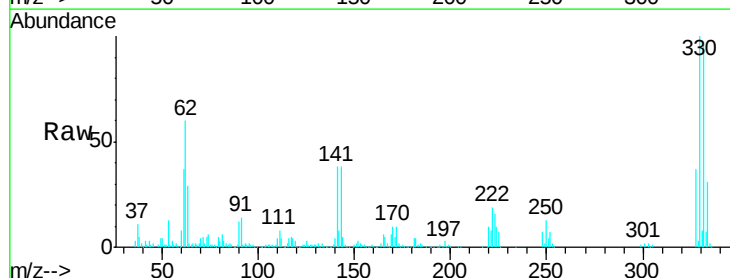
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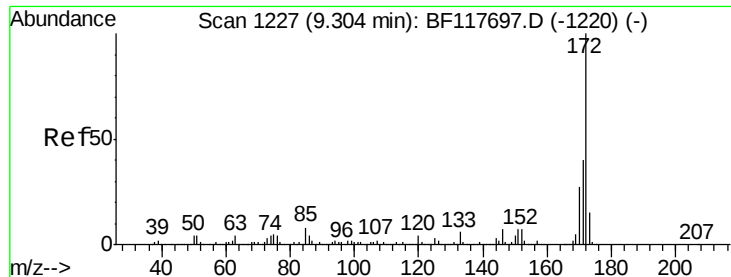
Tgt Ion:164 Resp: 729090
 Ion Ratio Lower Upper
 164 100
 162 102.5 79.7 119.5
 160 46.2 36.5 54.7



#42
 2,4,6-Tribromophenol
 Concen: 38.611 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF117750.D
 Acq: 8 Nov 2019 23:52

Tgt Ion:330 Resp: 275377
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.0
 141 34.1 28.0 42.0

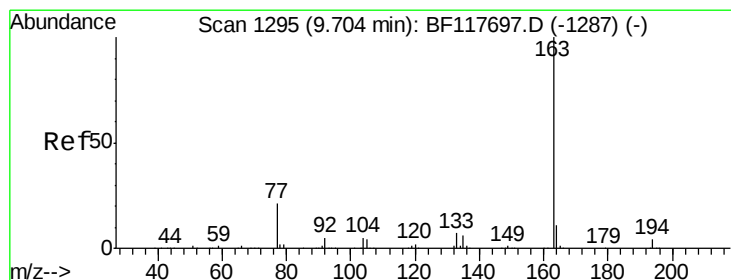
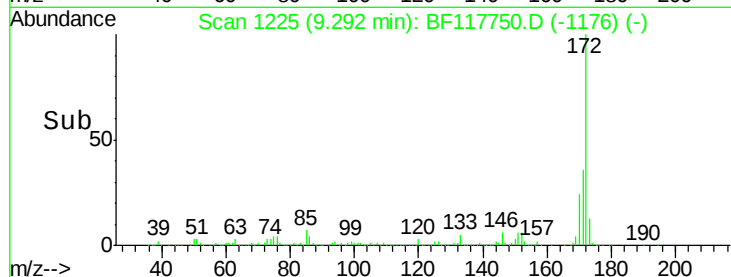
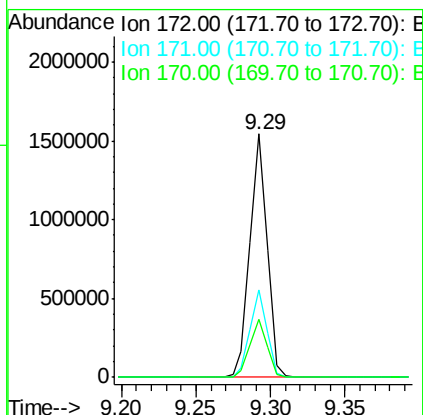
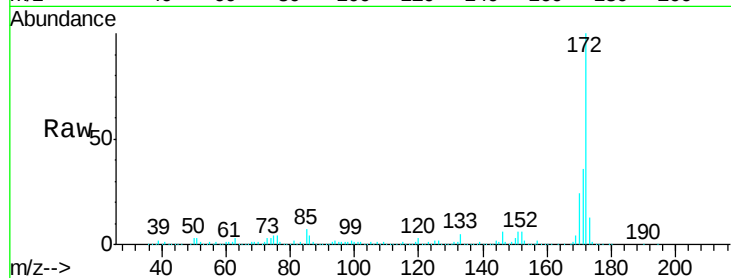




#45
2-Fluorobiphenyl
Concen: 33.308 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117750.D
Acq: 8 Nov 2019 23:52

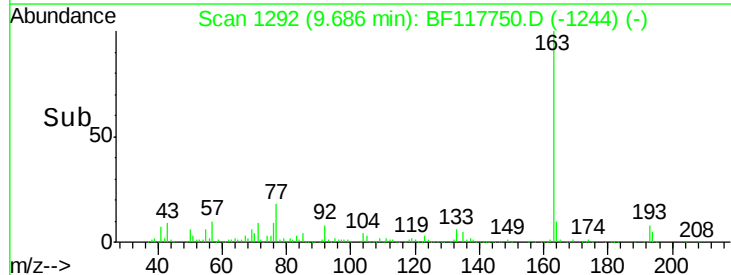
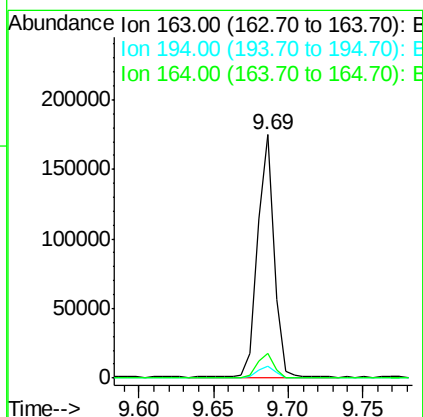
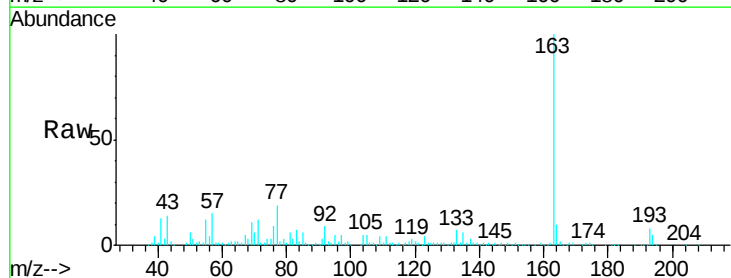
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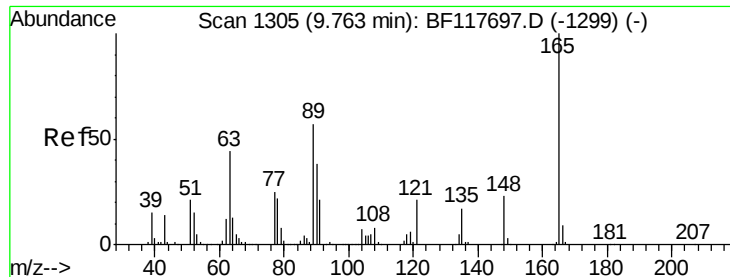
Tgt Ion:172 Resp: 1230816
Ion Ratio Lower Upper
172 100
171 35.7 31.8 47.8
170 23.8 21.6 32.4



#50
Dimethylphthalate
Concen: 2.664 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117750.D
Acq: 8 Nov 2019 23:52

Tgt Ion:163 Resp: 131318
Ion Ratio Lower Upper
163 100
194 5.1 3.4 5.0#
164 10.2 8.9 13.3

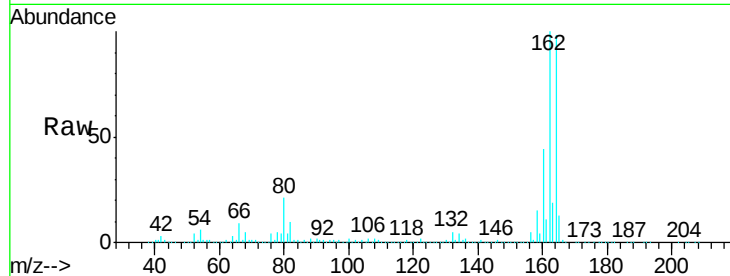




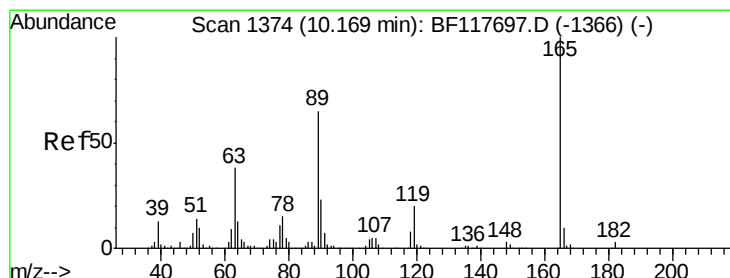
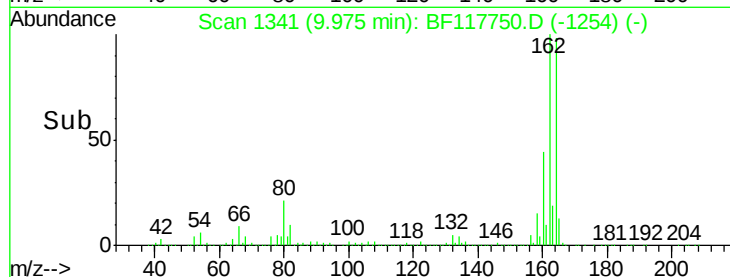
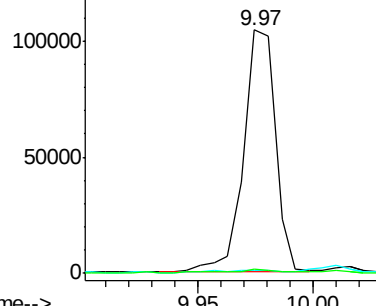
#51
 2,6-Dinitrotoluene
 Concen: 9.015 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.21 min
 Lab File: BF117750.D
 Acq: 8 Nov 2019 23:52

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-110619

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	45.6	68.4#
89	1.8	45.8	68.6#



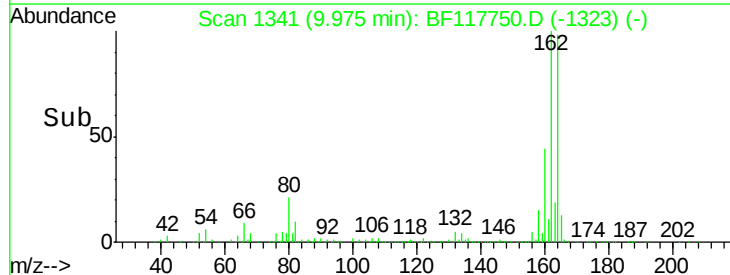
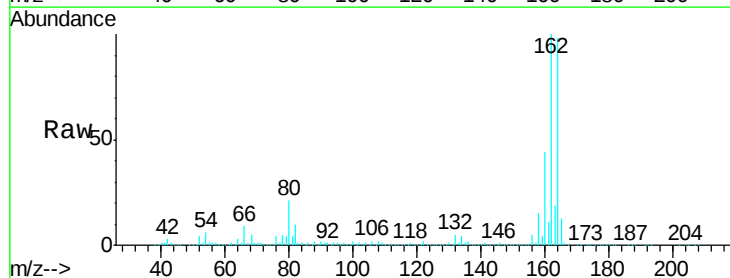
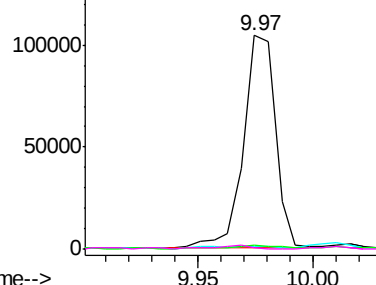
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

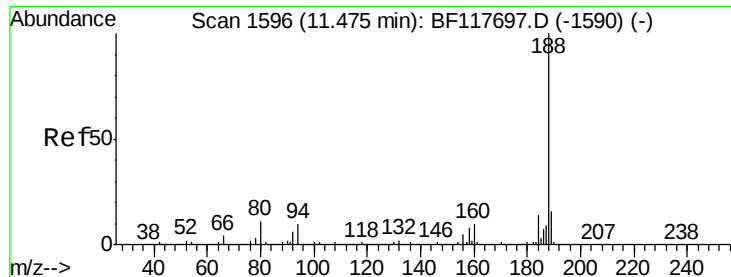


#57
 2,4-Dinitrotoluene
 Concen: 7.028 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.19 min
 Lab File: BF117750.D
 Acq: 8 Nov 2019 23:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	30.4	45.6#
89	1.8	52.2	78.4#
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: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Instrument :

BNA_F

ClientSampleId :

TR-04-110619

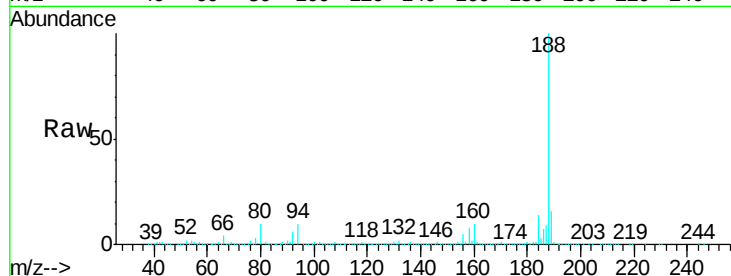
Tgt Ion:188 Resp: 1203134

Ion Ratio Lower Upper

188 100

94 9.7 8.2 12.4

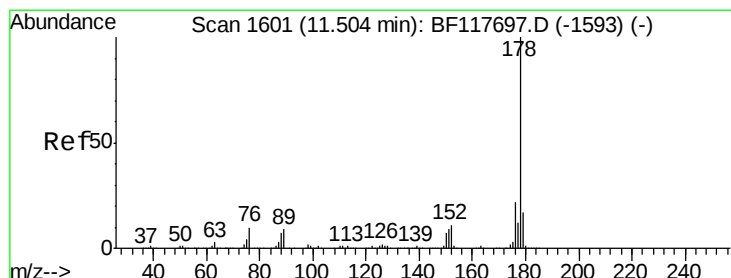
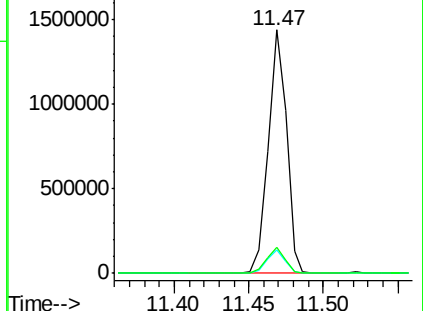
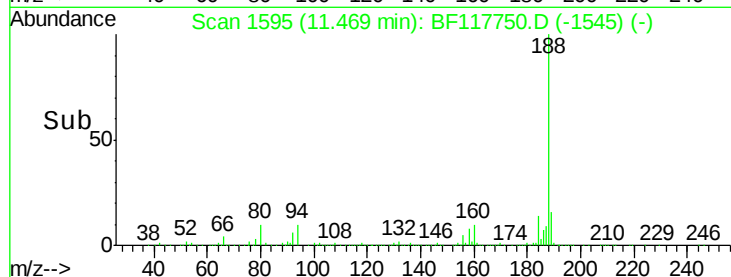
80 10.5 8.6 13.0



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



#71

Phenanthrene

Concen: 6.348 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

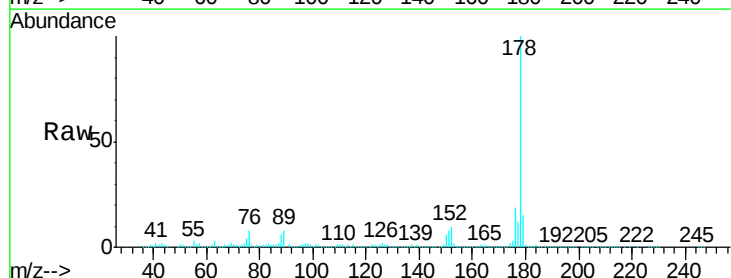
Tgt Ion:178 Resp: 366083

Ion Ratio Lower Upper

178 100

176 18.9 17.7 26.5

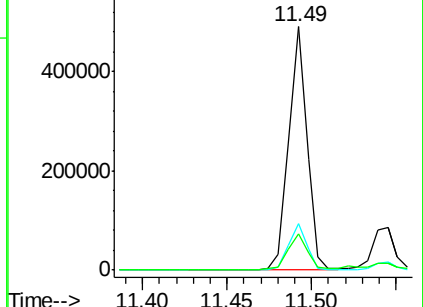
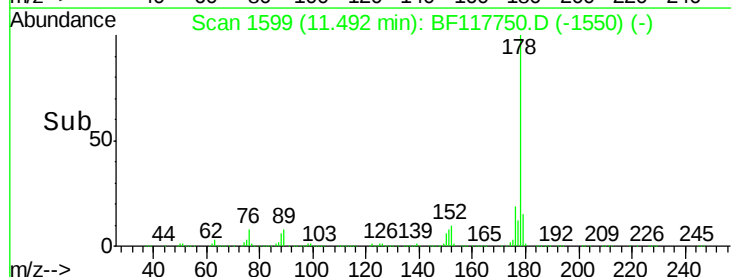
179 14.9 13.8 20.8

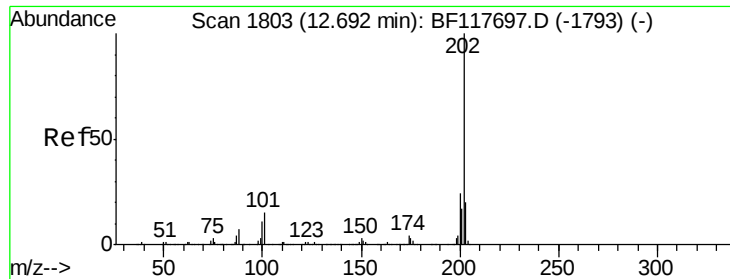


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.835 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Instrument :

BNA_F

ClientSampleId :

TR-04-110619

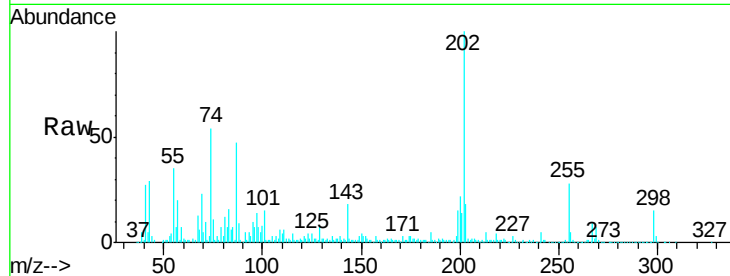
Tgt Ion:202 Resp: 166949

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.5

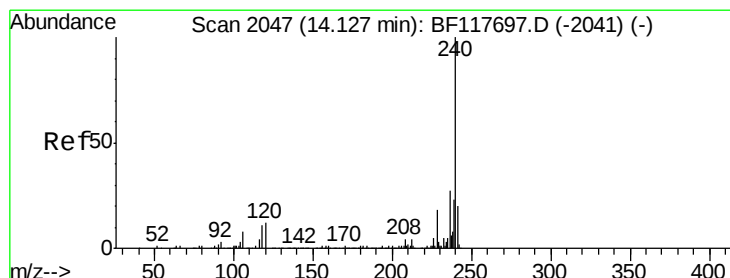
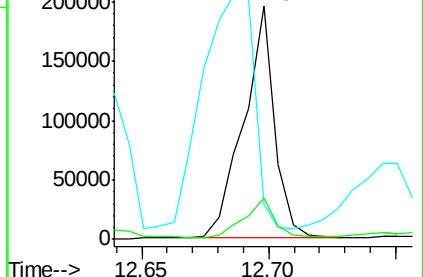
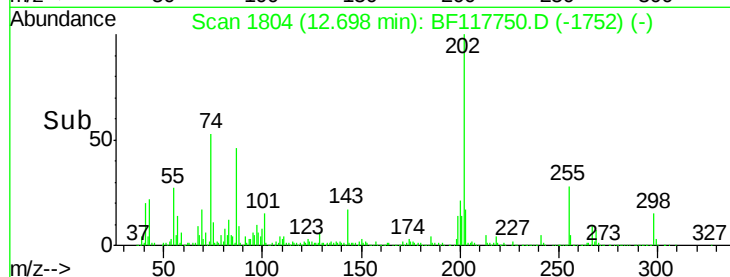
203 17.9 0.0 39.8



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: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

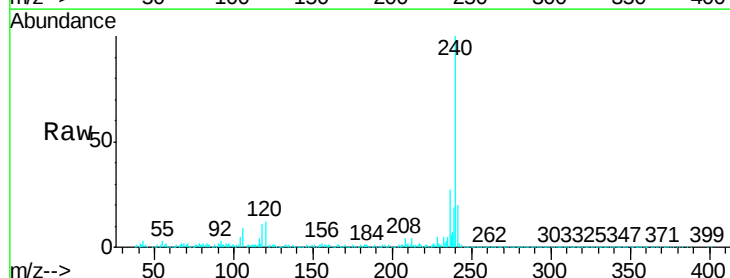
Tgt Ion:240 Resp: 729837

Ion Ratio Lower Upper

240 100

120 12.1 9.7 14.5

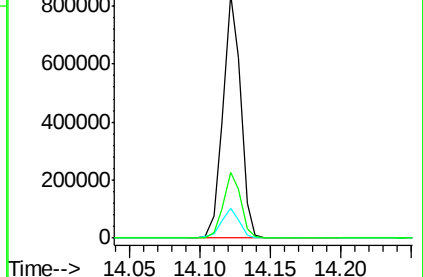
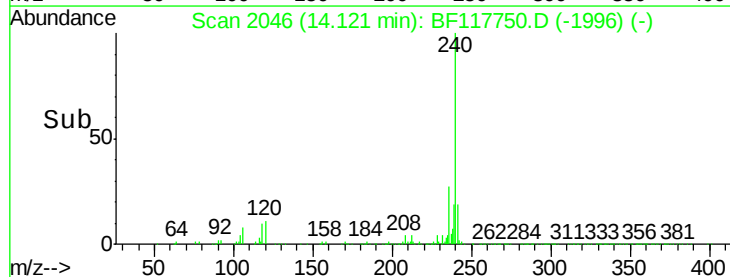
236 26.9 21.9 32.9

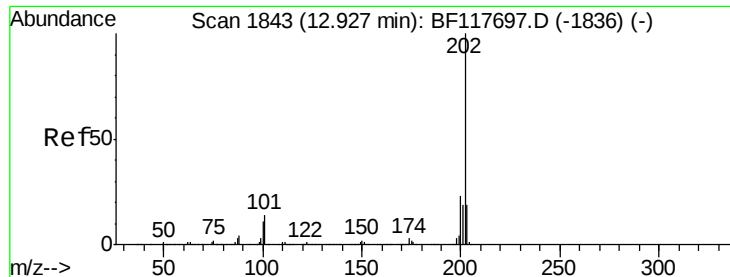


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

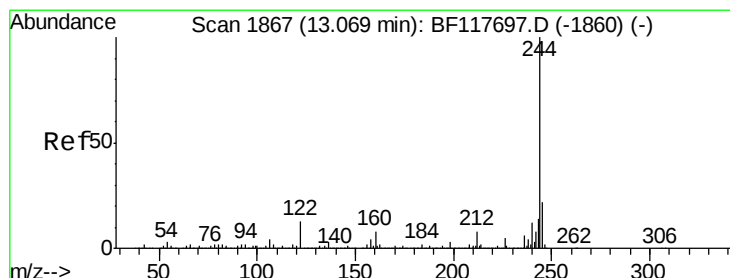
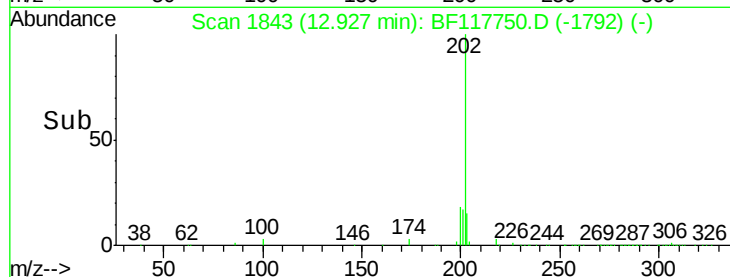
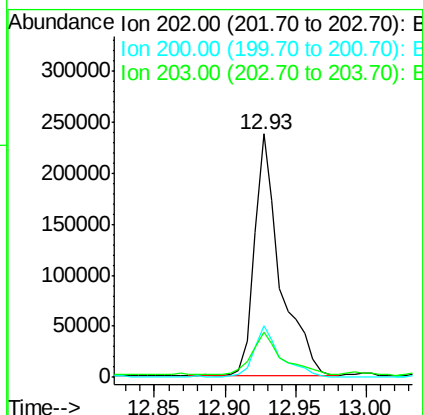
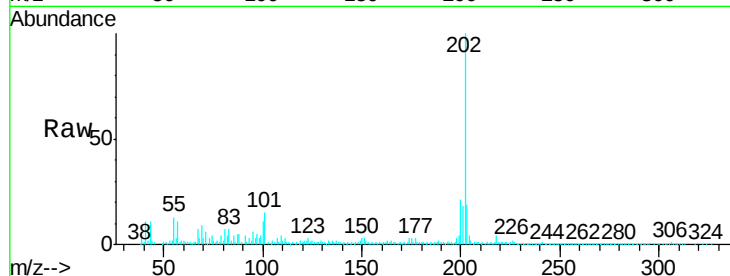




#78
 Pyrene
 Concen: 5.681 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: BF117750.D
 Acq: 8 Nov 2019 23:52

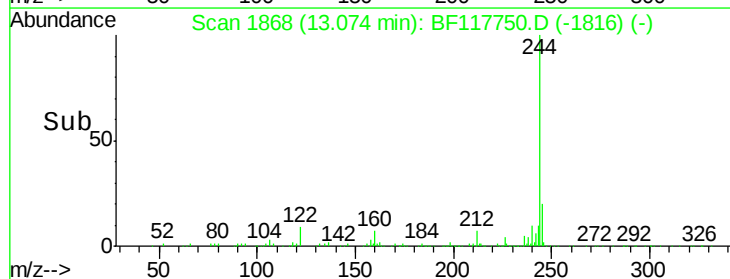
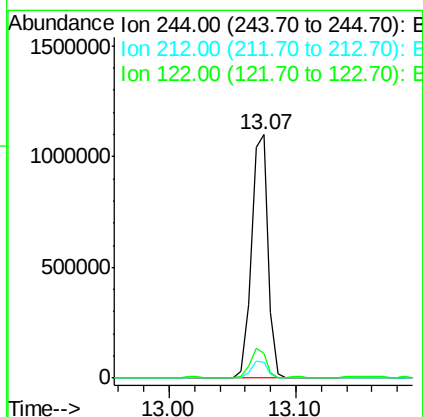
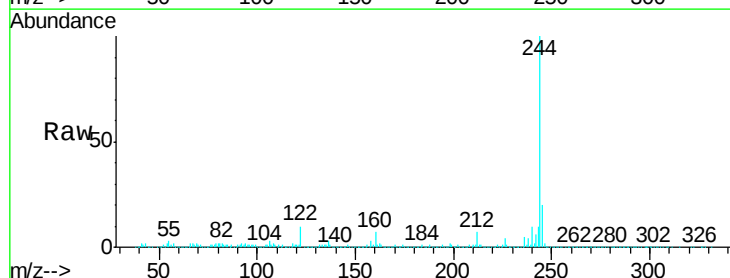
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-110619

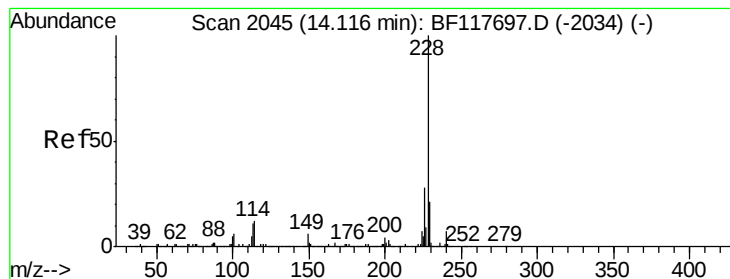
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.8	28.2
203	18.7	15.2	22.8



#79
 Terphenyl-d14
 Concen: 28.112 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: BF117750.D
 Acq: 8 Nov 2019 23:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.4	9.6
122	9.9	10.0	15.0





#81

Benzo(a)anthracene

Concen: 2.585 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Instrument :

BNA_F

ClientSampleId :

TR-04-110619

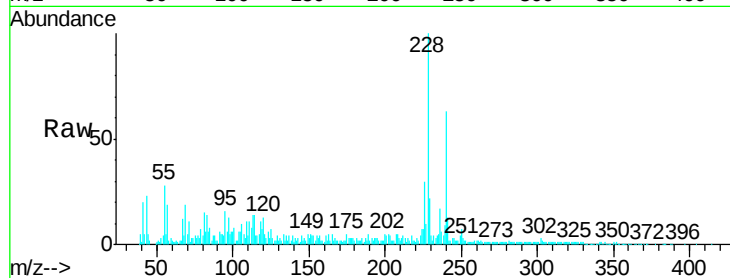
Tgt Ion:228 Resp: 117455

Ion Ratio Lower Upper

228 100

226 29.9 22.8 34.2

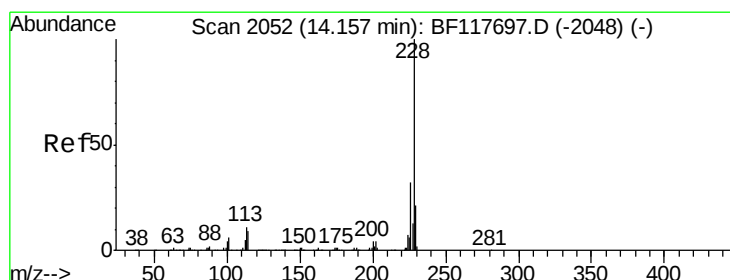
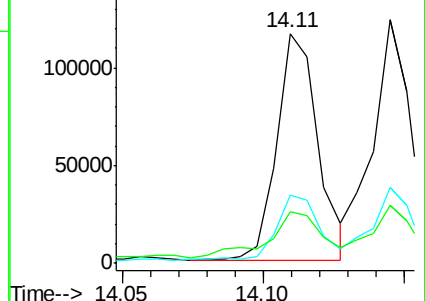
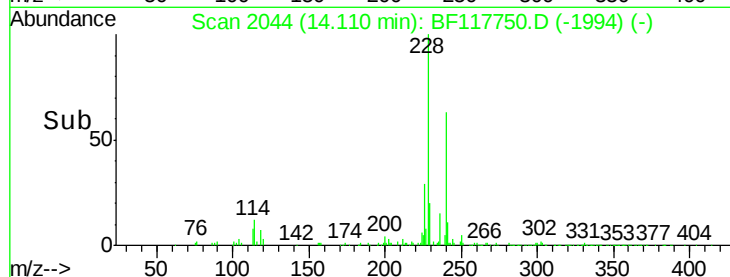
229 22.4 16.9 25.3



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: 2.571 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

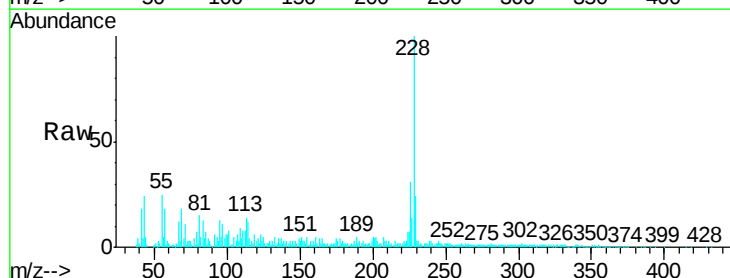
Tgt Ion:228 Resp: 115347

Ion Ratio Lower Upper

228 100

226 31.3 25.4 38.2

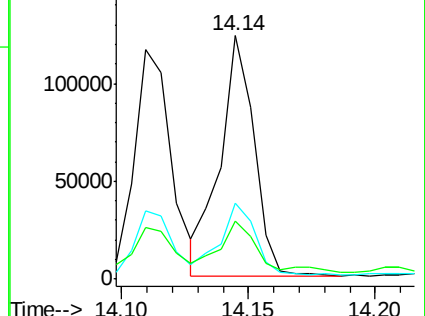
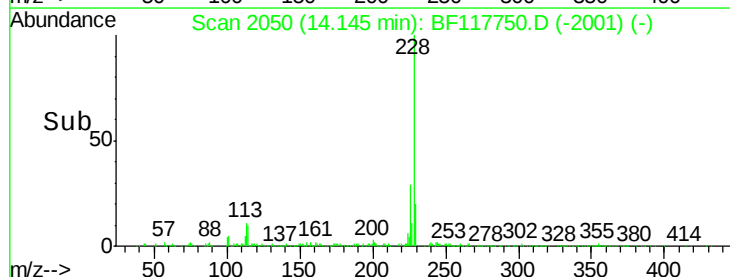
229 24.0 16.6 24.8

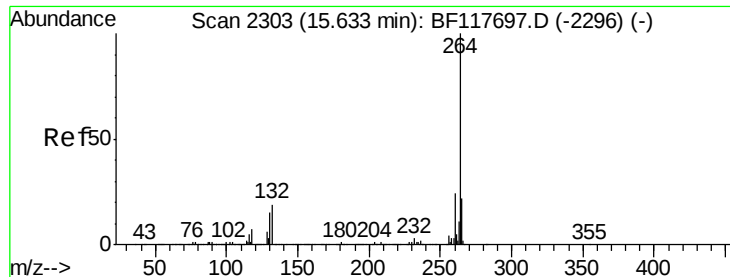


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Instrument :

BNA_F

ClientSampleId :

TR-04-110619

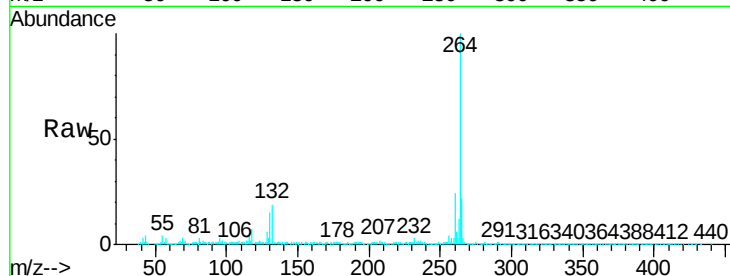
Tgt Ion:264 Resp: 788383

Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

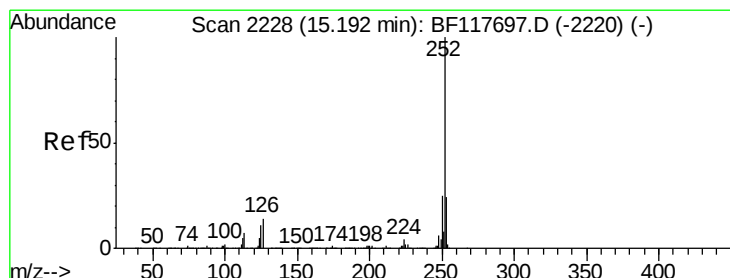
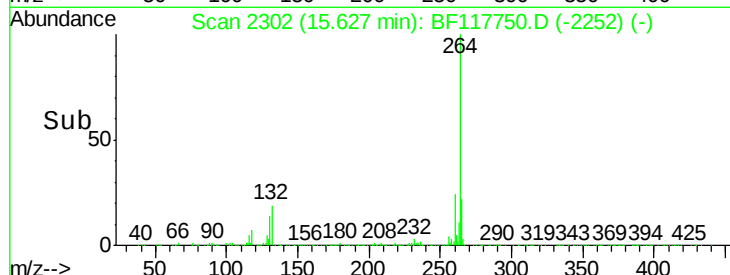
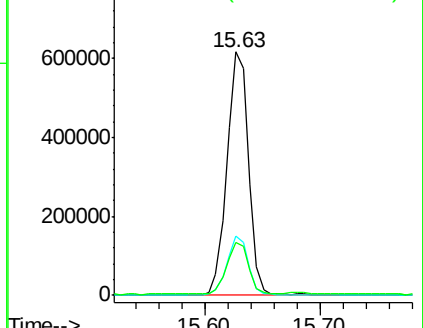
265 21.9 17.7 26.5



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: 3.238 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

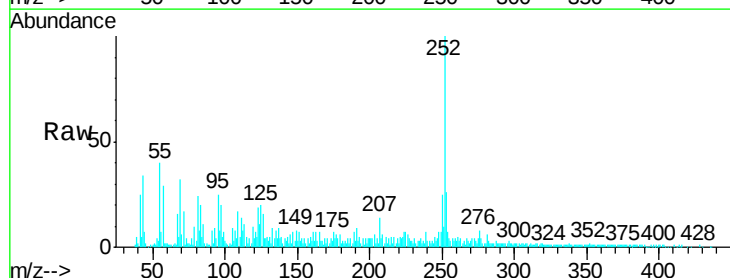
Tgt Ion:252 Resp: 160770

Ion Ratio Lower Upper

252 100

253 26.4 18.9 28.3

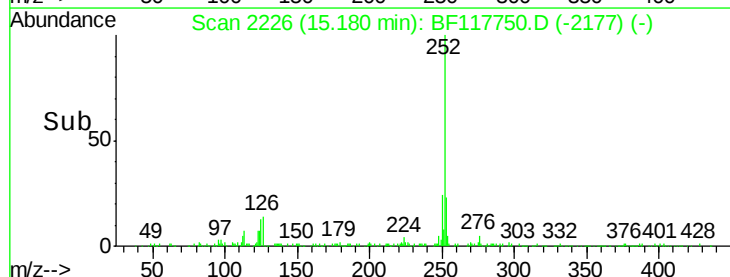
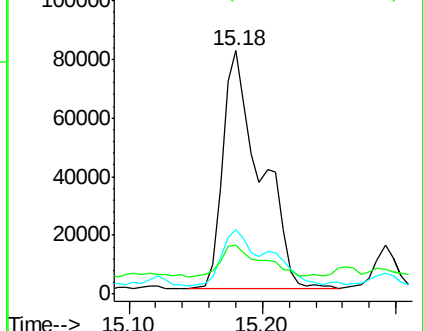
125 19.9 8.5 12.7#

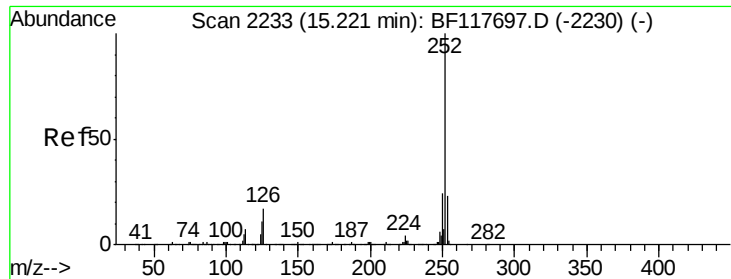


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.630 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.04 min

Lab File: BF117750.D

Acq: 8 Nov 2019 23:52

Instrument :

BNA_F

ClientSampleId :

TR-04-110619

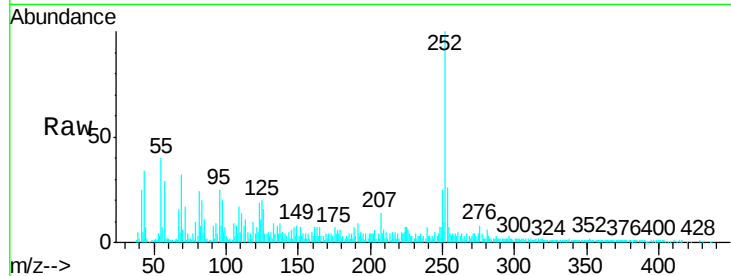
Tgt Ion:252 Resp: 160770

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

125 19.9 9.1 13.7#



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

