

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096833.D
 Acq On : 17 Jul 2017 21:37
 Operator : SJ/JU
 Sample : I4216-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-1A

Quant Time: Jul 18 02:16:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

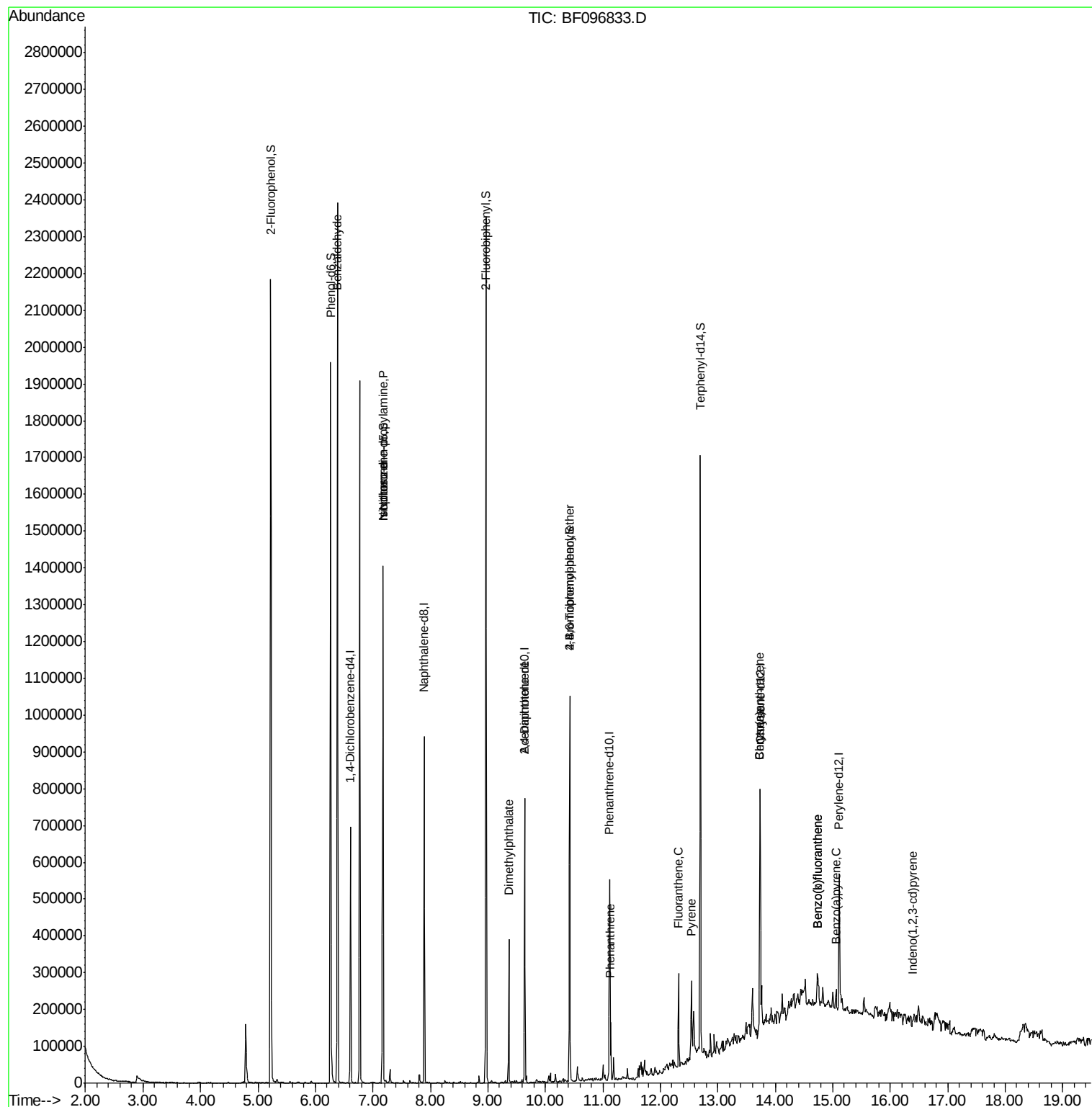
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	100099	20.00	ng	-0.02
21) Naphthalene-d8	7.89	136	380038	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	144076	20.00	ng	-0.03
63) Phenanthrene-d10	11.12	188	200663	20.00	ng	-0.03
75) Chrysene-d12	13.74	240	210854	20.00	ng	-0.04
86) Perylene-d12	15.11	264	159556	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	620747	93.24	ng	-0.01
7) Phenol-d6	6.27	99	738067	92.39	ng	-0.01
23) Nitrobenzene-d5	7.17	82	418272	68.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.42	330	108784	88.46	ng	-0.04
44) 2-Fluorobiphenyl	8.97	172	696525	76.38	ng	-0.03
78) Terphenyl-d14	12.70	244	497237	40.90	ng	-0.04
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	12576	2.724	ng	83
19) n-Nitroso-di-n-propylamine	7.17	70	55982	11.631	ng	# 85
25) Isophorone	7.17	82	417787	36.604	ng	# 67
49) Dimethylphthalate	9.36	163	140676	12.967	ng	99
56) 2,4-Dinitrotoluene	9.64	165	18199	6.027	ng	# 34
66) 4-Bromophenyl-phenylether	10.42	248	6707	3.274	ng	# 1
70) Phenanthrene	11.13	178	54783	5.021	ng	97
74) Fluoranthene	12.32	202	99397	9.518	ng	99
77) Pyrene	12.55	202	80867	4.226	ng	98
80) Benzo(a)anthracene	13.73	228	45205	3.441	ng	95
82) Chrysene	13.73	228	45205	3.495	ng	98
85) Indeno(1,2,3-cd)pyrene	16.39	276	12455	4.330	ng	96
87) Benzo(b)fluoranthene	14.73	252	52963	5.504	ng	# 92
88) Benzo(k)fluoranthene	14.73	252	52963	5.812	ng	# 94
89) Benzo(a)pyrene	15.06	252	25154	2.850	ng	# 92

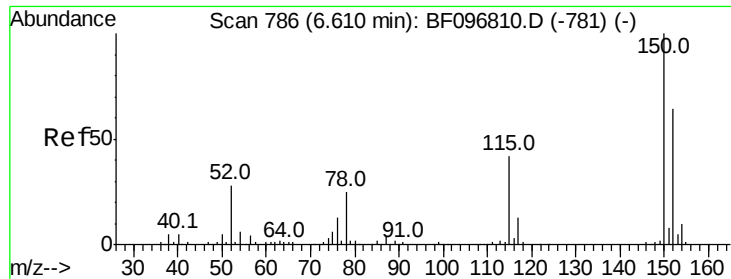
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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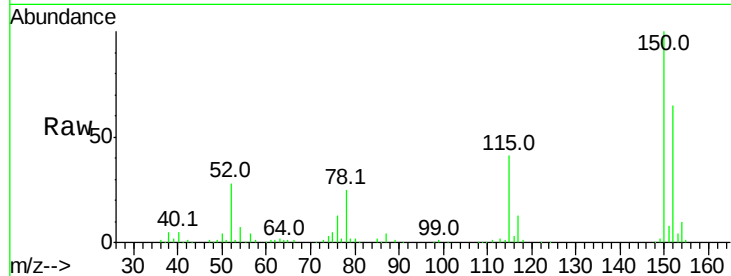


#1

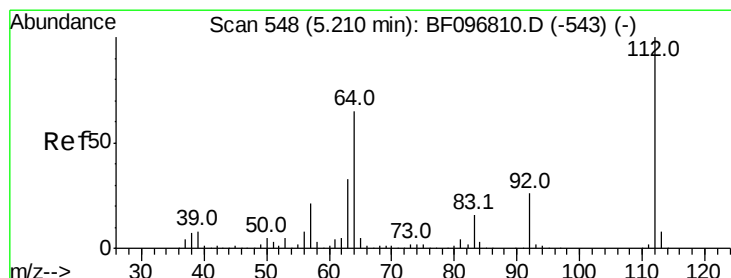
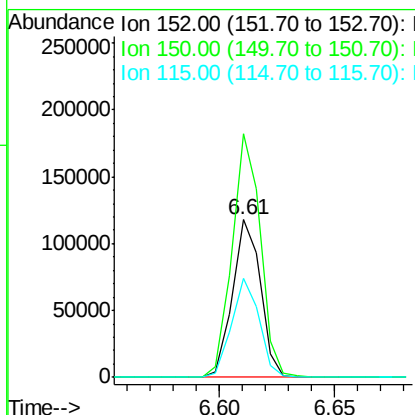
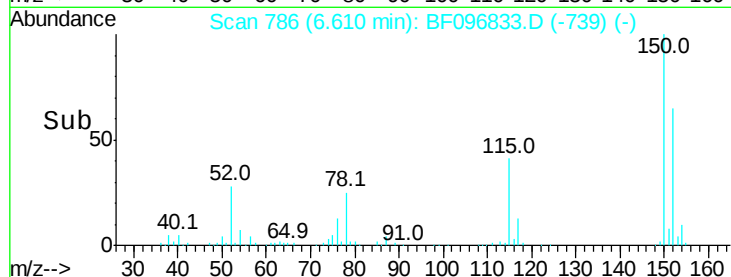
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.61 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-1A

Tot Ion:152 Resp: 100099
 Ion Ratio Lower Upper
 152 100
 150 154.5 126.2 189.2
 115 63.2 52.2 78.2



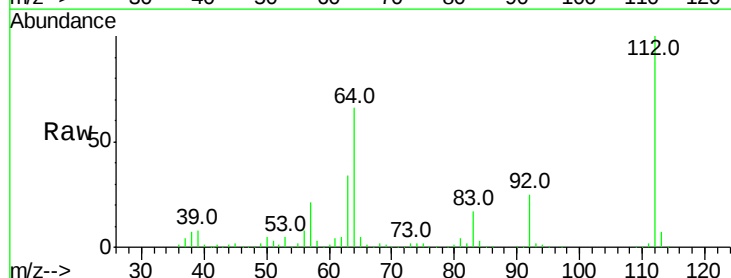
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



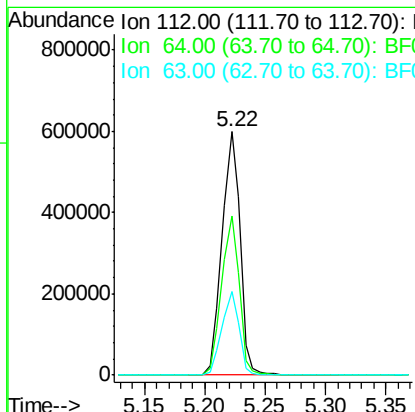
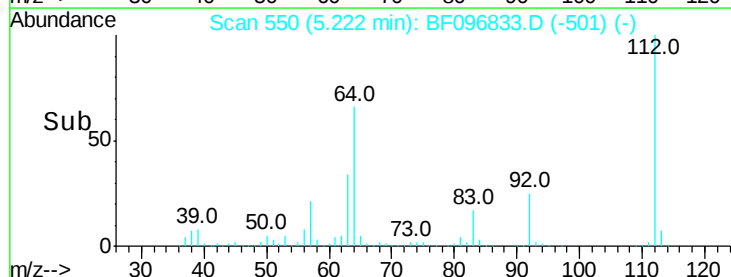
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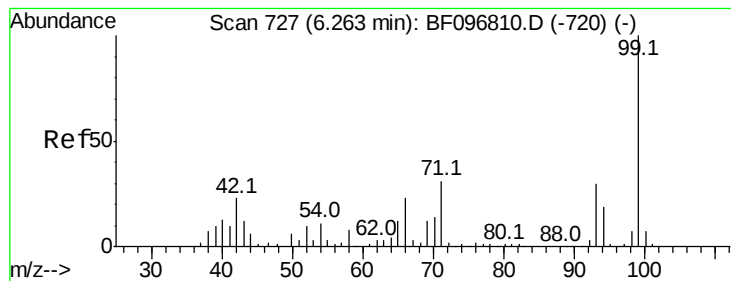
2-Fluorophenol
 Concen: 93.242 ng
 RT: 5.22 min Scan# 550
 Delta R.T. -0.01 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

Tgt Ion:112 Resp: 620747
 Ion Ratio Lower Upper
 112 100
 64 65.6 46.0 69.0
 63 34.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.385 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-1A

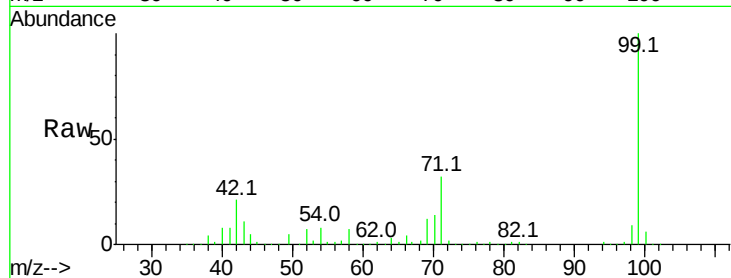
Tot Ion: 99 Resp: 738067

Ion Ratio Lower Upper

99 100

42 21.0 13.5 20.3#

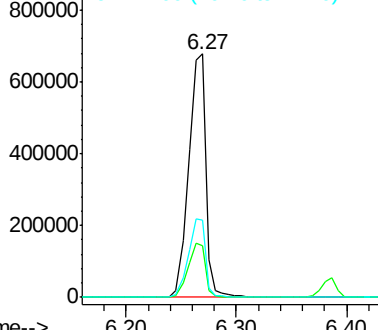
71 31.7 24.5 36.7



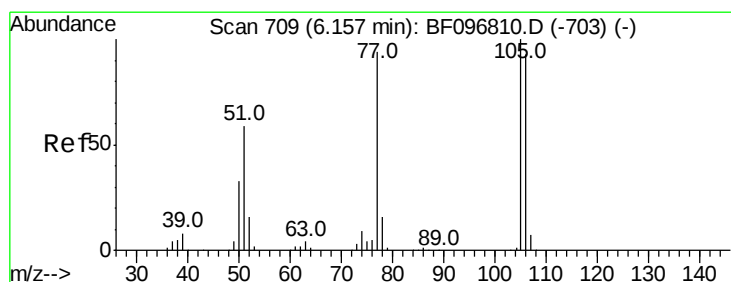
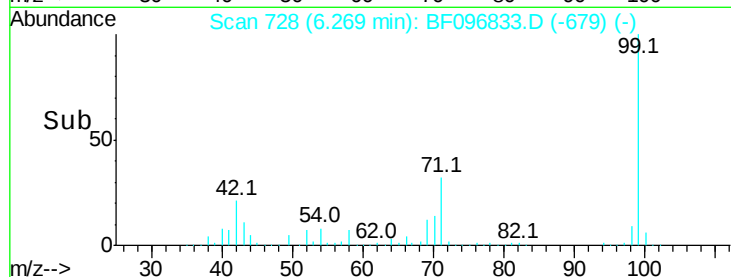
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#9

Benzaldehyde

Concen: 2.724 ng

RT: 6.39 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

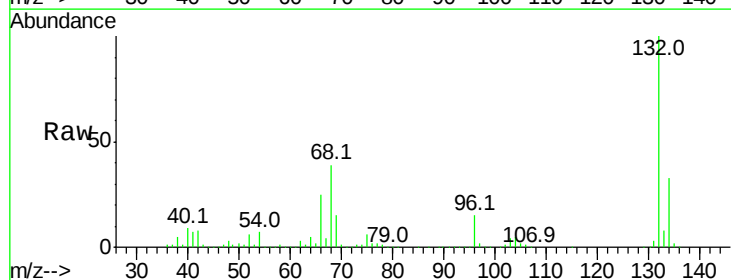
Tgt Ion: 77 Resp: 12576

Ion Ratio Lower Upper

77 100

105 87.6 83.8 123.8

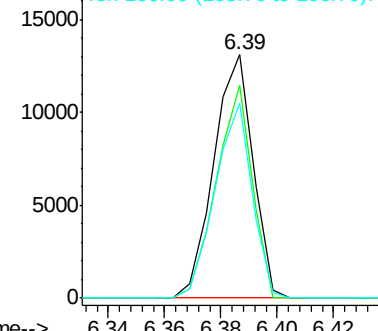
106 80.0 79.1 119.1



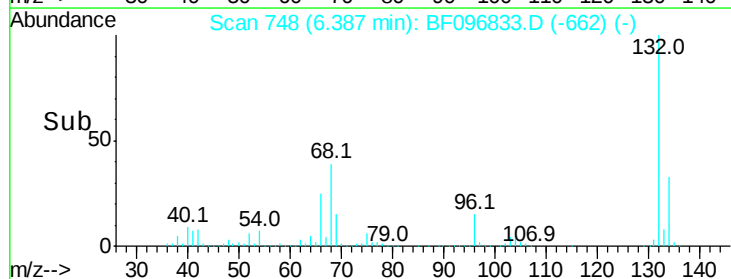
Abundance Ion 77.00 (76.70 to 77.70): BF0

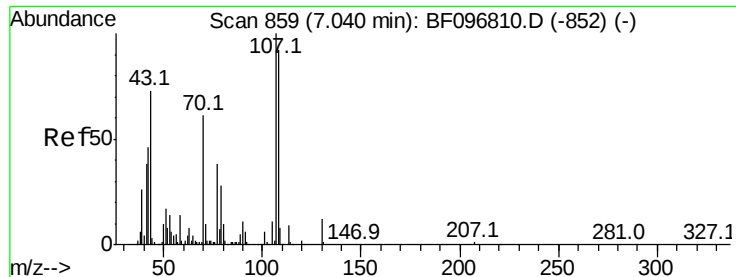
Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



Time-->

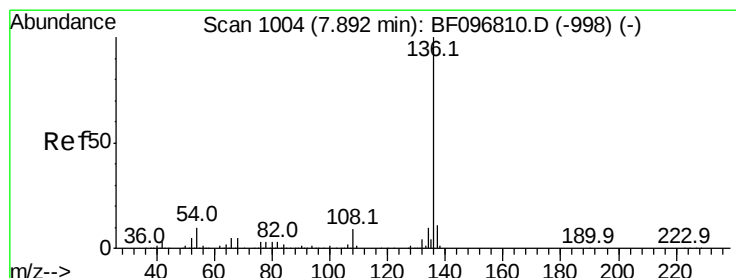
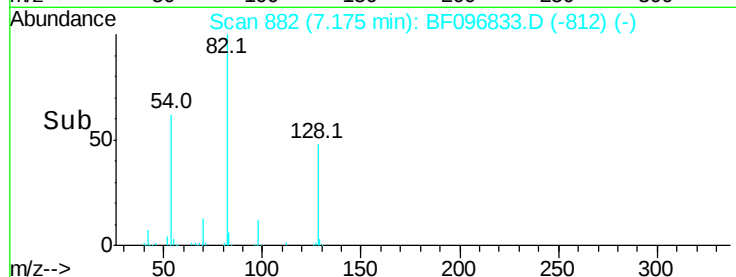
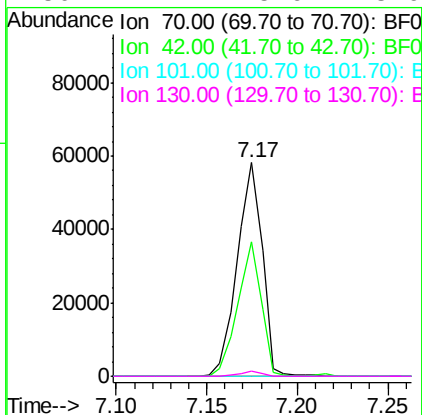
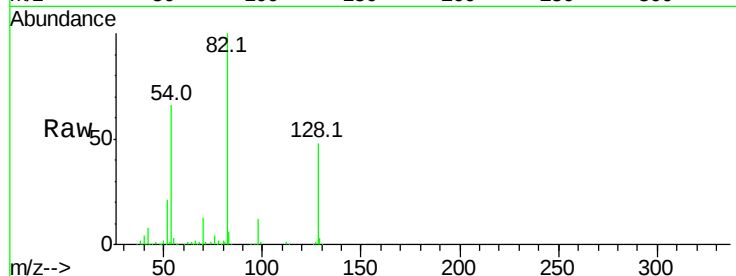




#19
n-Nitroso-di-n-propylamine
Concen: 11.631 ng
RT: 7.17 min Scan# 882
Delta R.T. 0.11 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

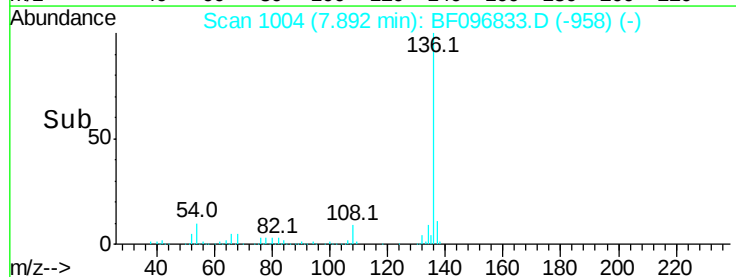
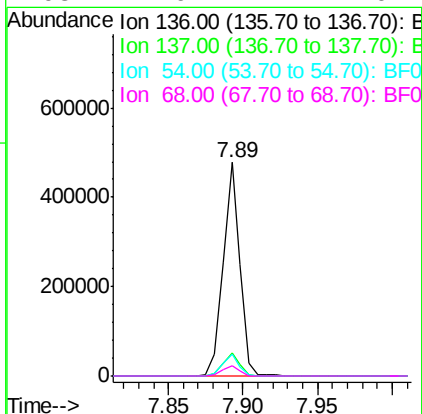
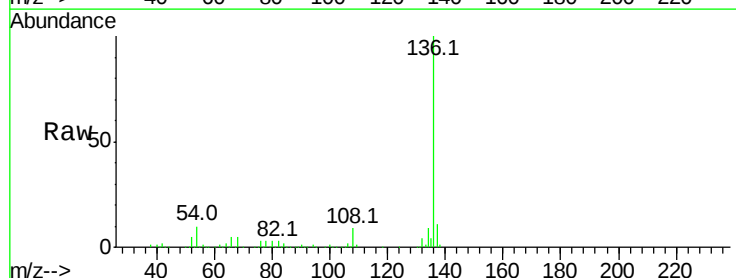
Instrument :
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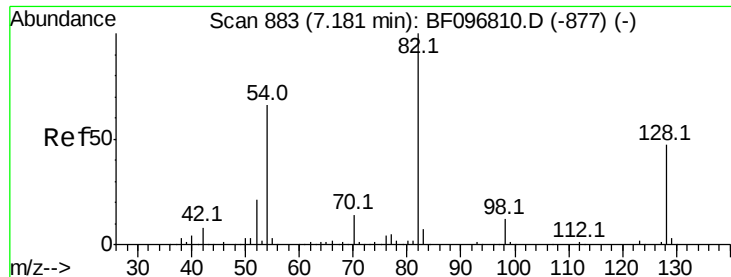
Tot Ion: 70 Resp: 55982
Ion Ratio Lower Upper
70 100
42 62.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1004
Delta R.T. -0.03 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion:136 Resp: 380038
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 9.9 4.9 7.3#
68 4.9 4.1 6.1

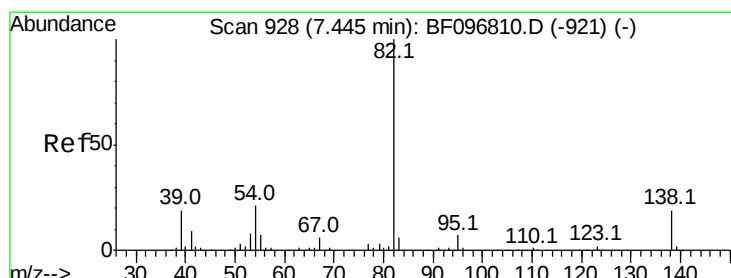
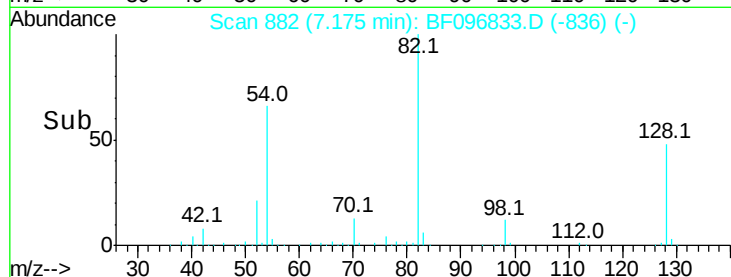
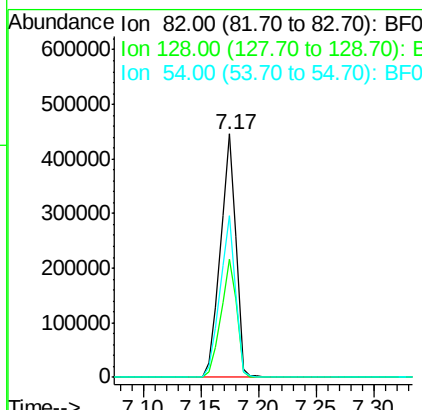
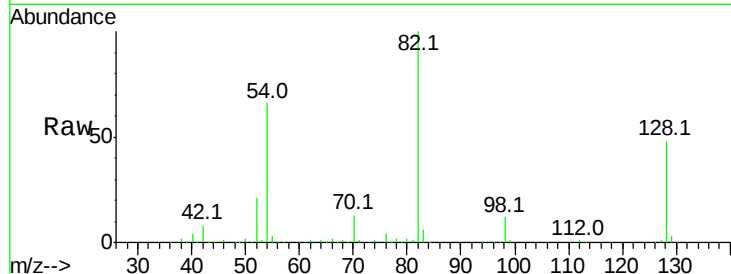




#23
 Nitrobenzene-d5
 Concen: 68.172 ng
 RT: 7.17 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

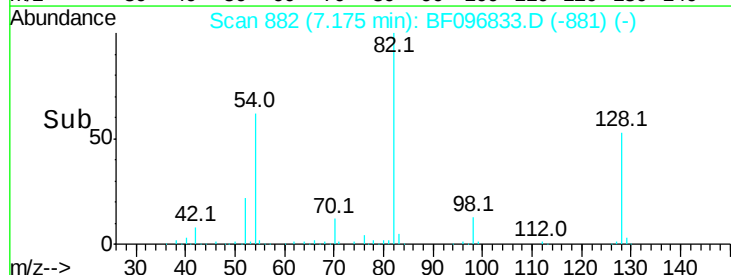
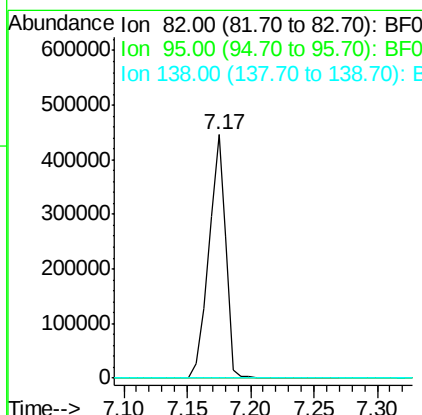
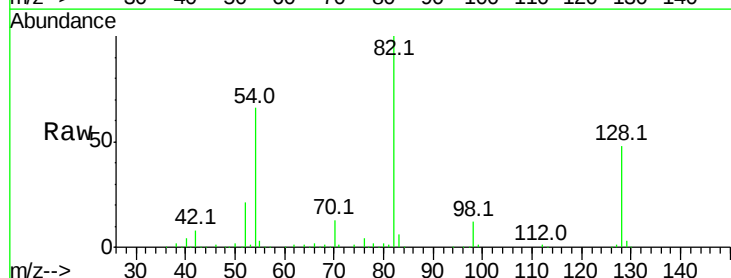
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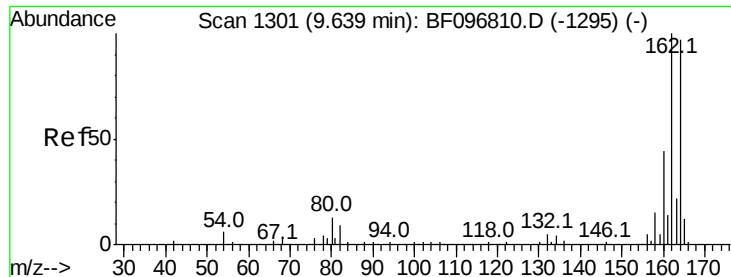
Tot Ion: 82 Resp: 418272
 Ion Ratio Lower Upper
 82 100
 128 48.4 34.0 51.0
 54 66.4 42.2 63.2#



#25
 Isophorone
 Concen: 36.604 ng
 RT: 7.17 min Scan# 882
 Delta R.T. -0.29 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

Tgt Ion: 82 Resp: 417787
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

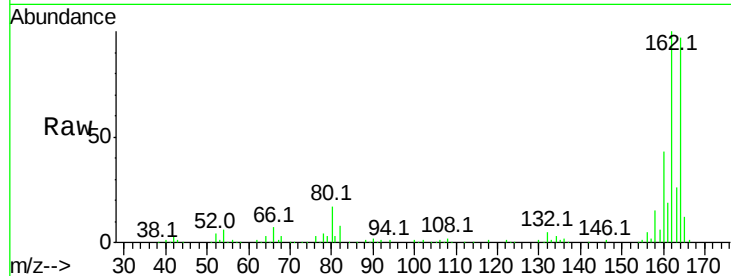




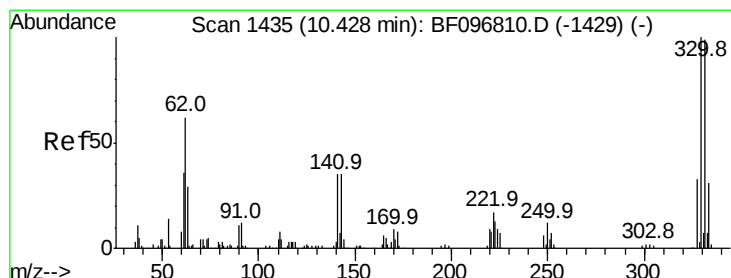
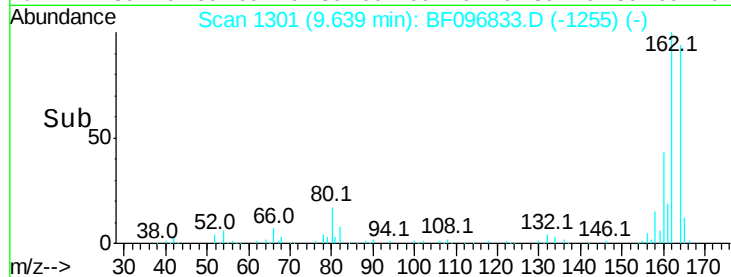
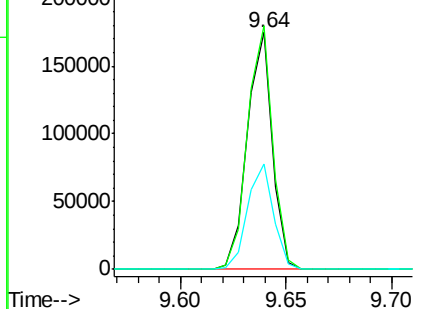
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Instrument :
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ClientSampleId :
VITALE-FILL-1A

Tot Ion:164 Resp: 144076
Ion Ratio Lower Upper
164 100
162 102.9 82.6 123.8
160 44.3 36.2 54.2

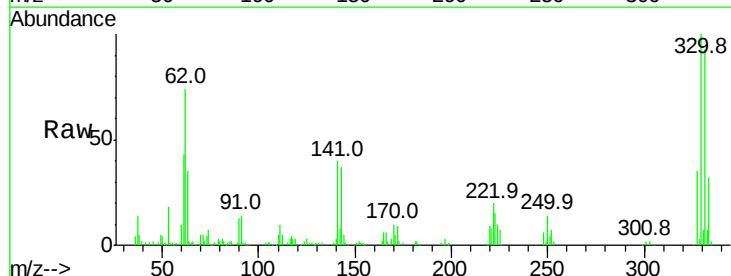


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

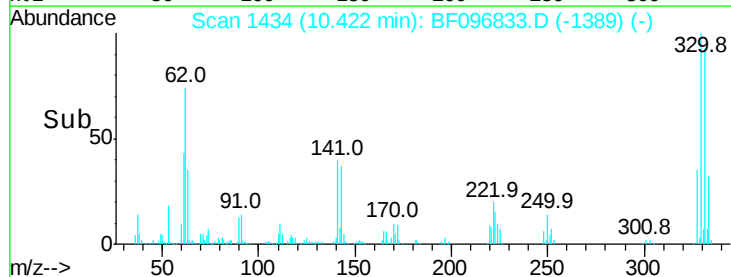
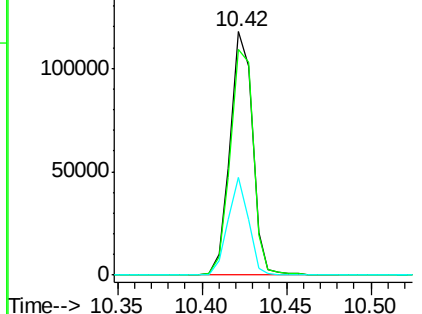


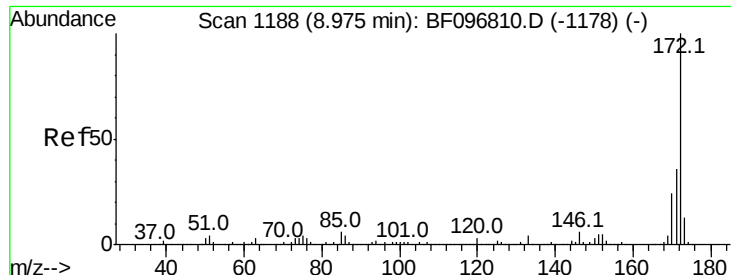
#41
2,4,6-Tribromophenol
Concen: 88.456 ng
RT: 10.42 min Scan# 1434
Delta R.T. -0.04 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion:330 Resp: 108784
Ion Ratio Lower Upper
330 100
332 95.1 76.6 115.0
141 37.0 31.4 47.2



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

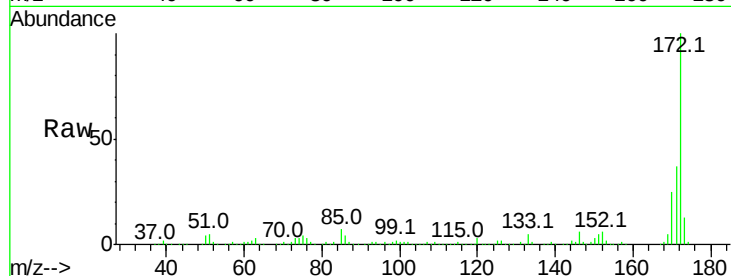




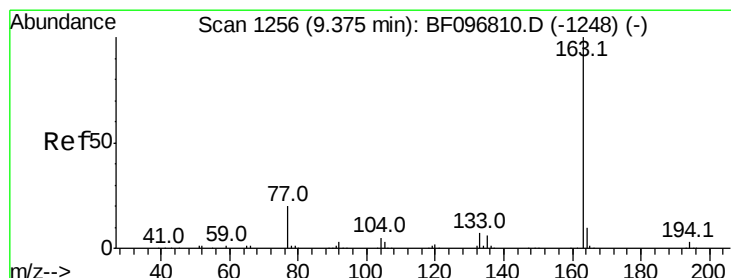
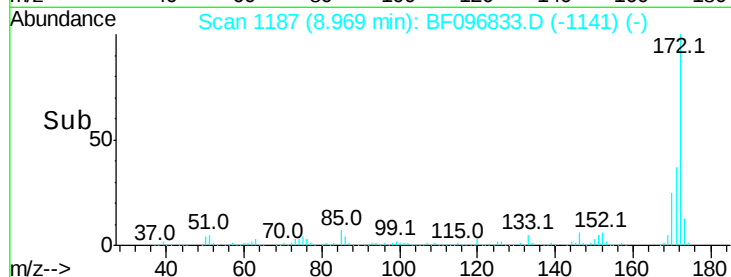
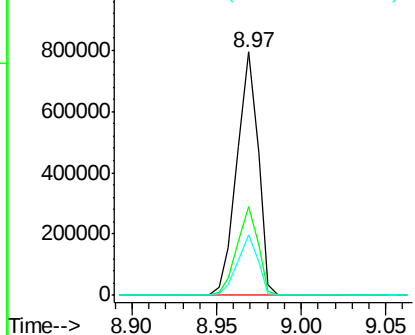
#44
2-Fluorobiphenyl
Concen: 76.380 ng
RT: 8.97 min Scan# 1187
Delta R.T. -0.03 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Instrument :
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Tot Ion:172 Resp: 696525
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.7 19.8 29.8

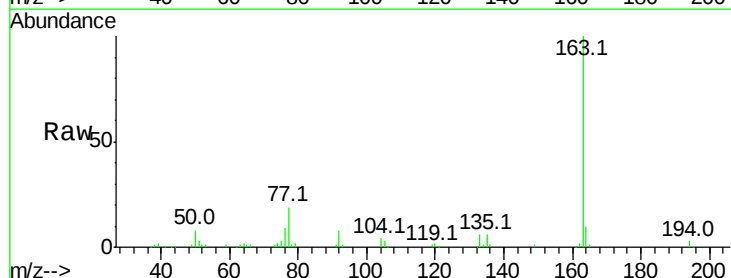


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

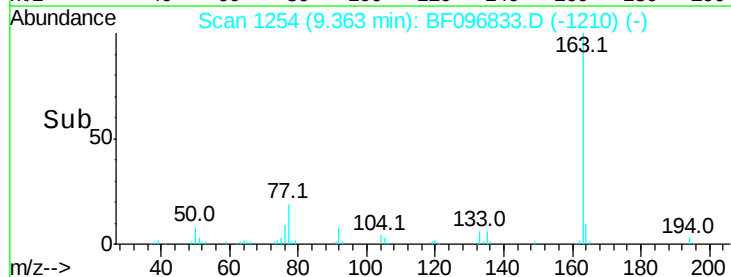
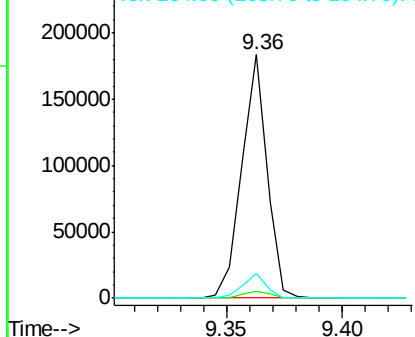


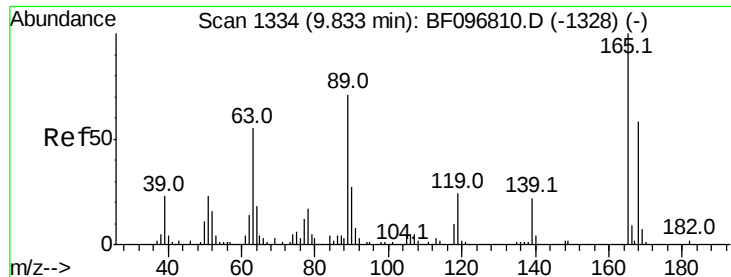
#49
Dimethylphthalate
Concen: 12.967 ng
RT: 9.36 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion:163 Resp: 140676
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.2 8.4 12.6



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

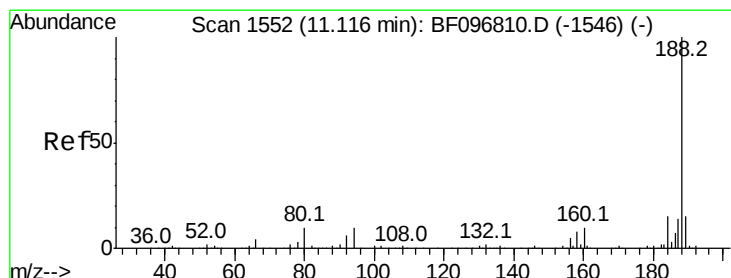
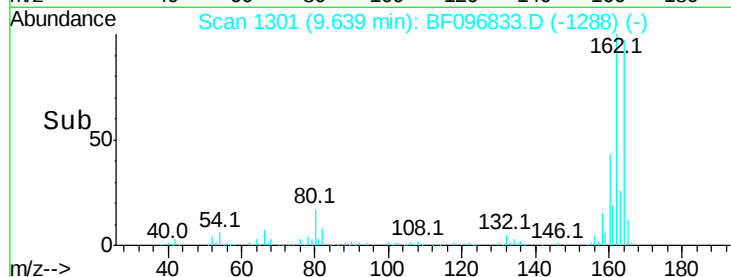
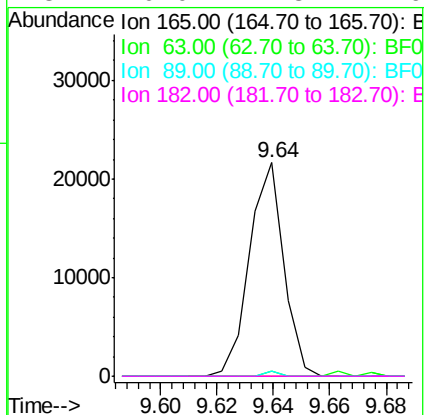
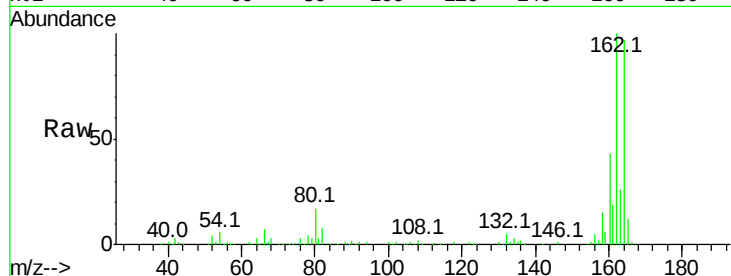




#56
 2,4-Dinitrotoluene
 Concen: 6.027 ng
 RT: 9.64 min Scan# 1301
 Delta R.T. -0.22 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

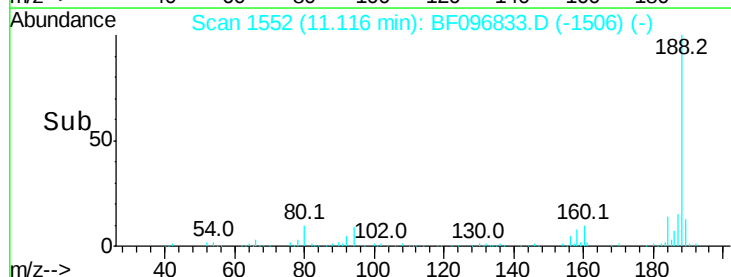
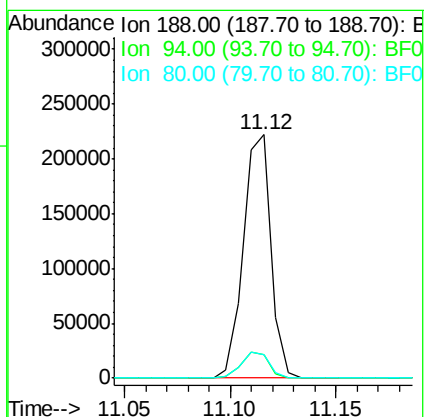
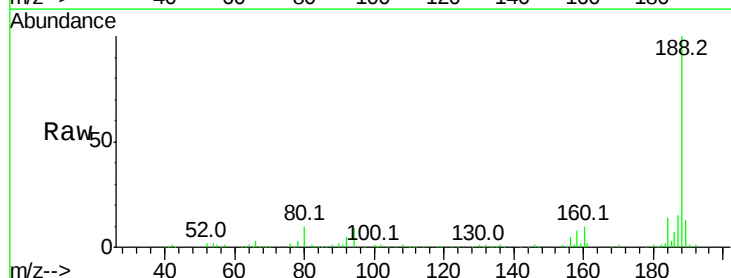
Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-1A

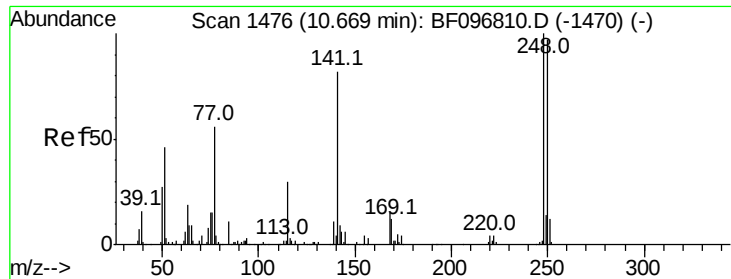
Tot Ion:165	Resp:	18199
Ion Ratio	Lower	Upper
165	100	
63	2.2	25.4 38.0#
89	2.5	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.12 min Scan# 1552
 Delta R.T. -0.03 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

Tgt Ion:188	Resp:	200663
Ion Ratio	Lower	Upper
188	100	
94	9.4	9.4 14.2
80	9.6	10.2 15.2#

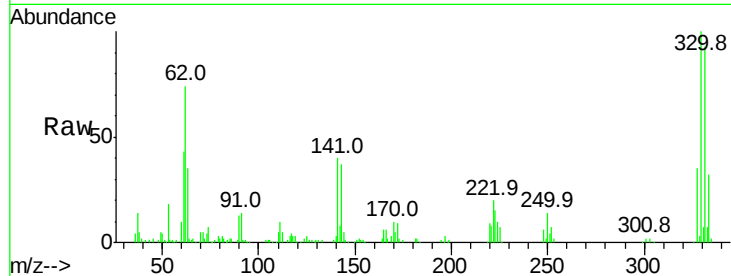




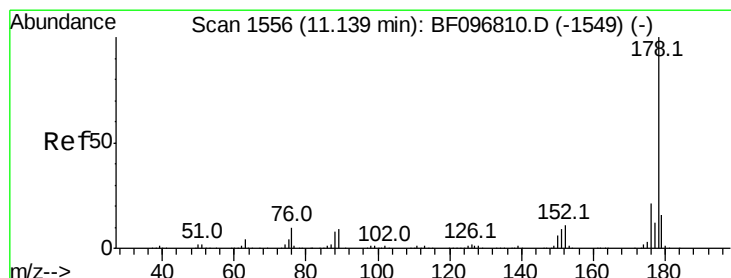
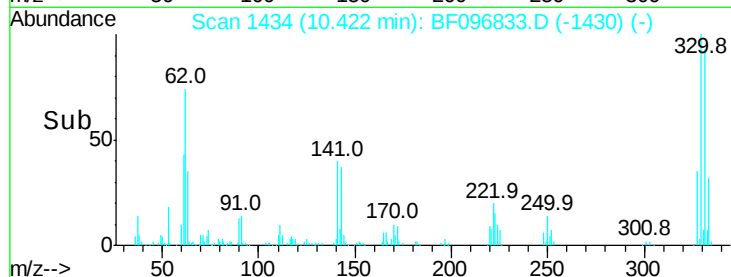
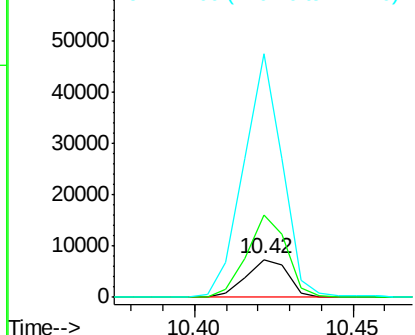
#66
 4-Bromophenyl-phenylether
 Concen: 3.274 ng
 RT: 10.42 min Scan# 1434
 Delta R.T. -0.28 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-1A

Tot Ion:248 Resp: 6707
 Ion Ratio Lower Upper
 248 100
 250 218.7 76.8 115.2#
 141 644.3 68.6 103.0#

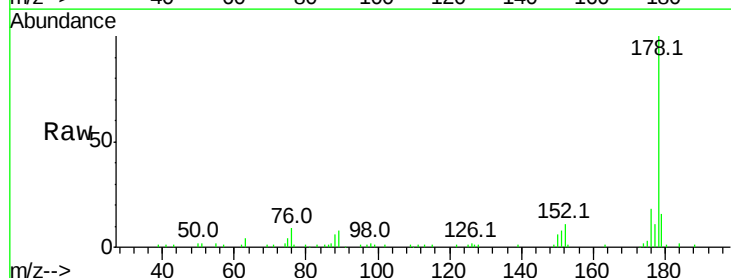


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

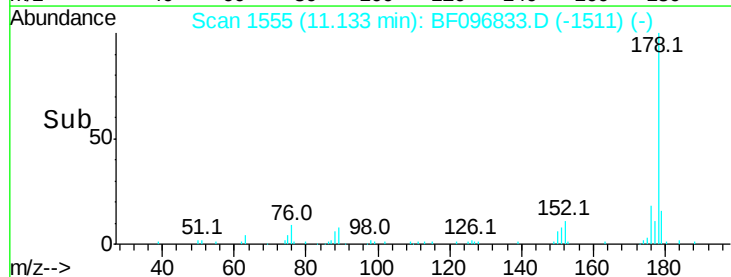
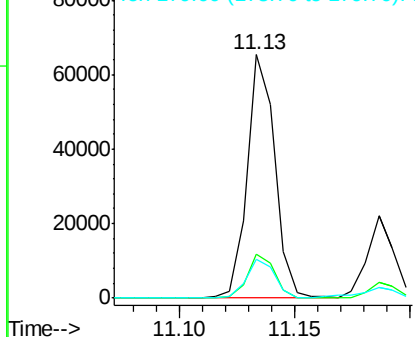


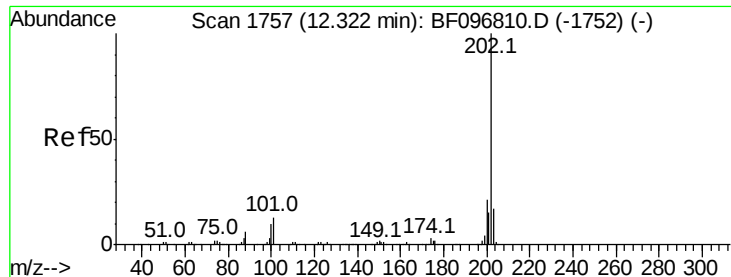
#70
 Phenanthrene
 Concen: 5.021 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.04 min
 Lab File: BF096833.D
 Acq: 17 Jul 2017 21:37

Tgt Ion:178 Resp: 54783
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.2 24.4
 179 15.9 12.6 19.0



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





#74

Fluoranthene

Concen: 9.518 ng

RT: 12.32 min Scan# 1756

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-1A

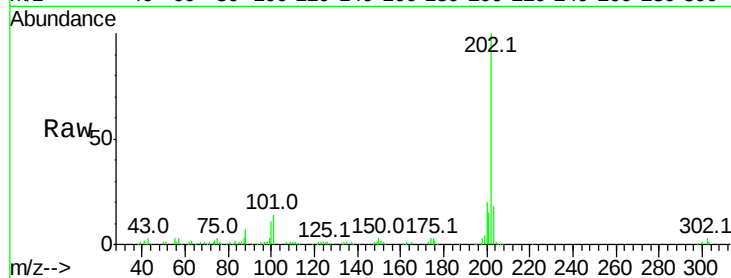
Tot Ion:202 Resp: 99397

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

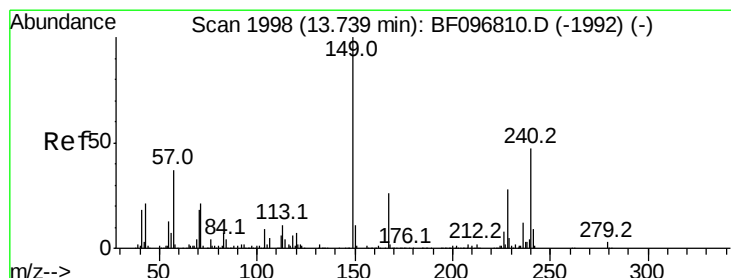
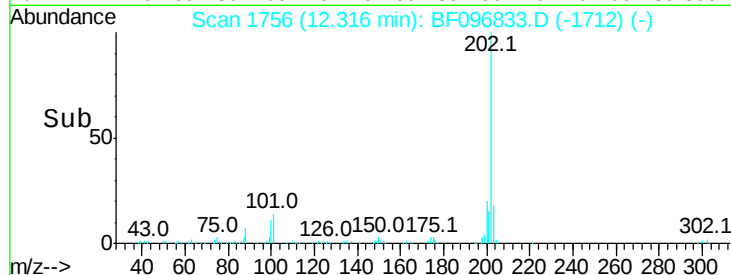
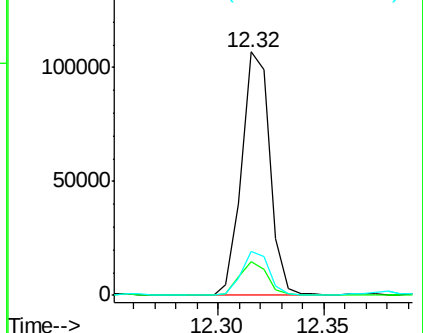
203 18.1 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.74 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

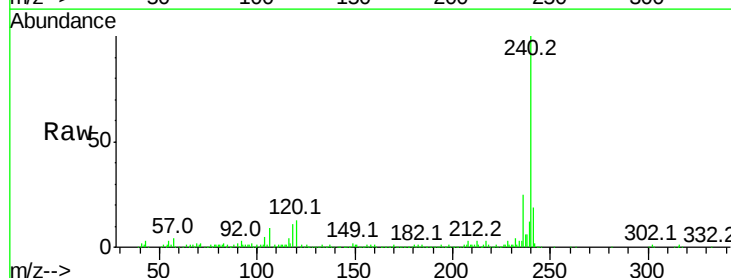
Tgt Ion:240 Resp: 210854

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

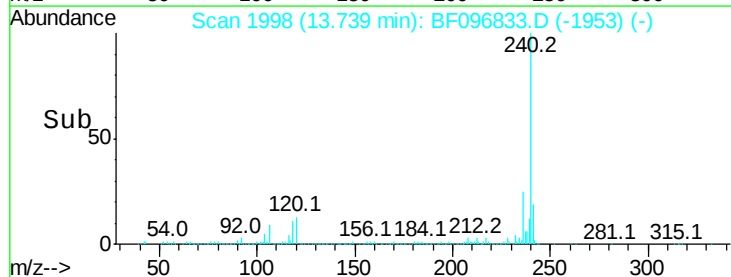
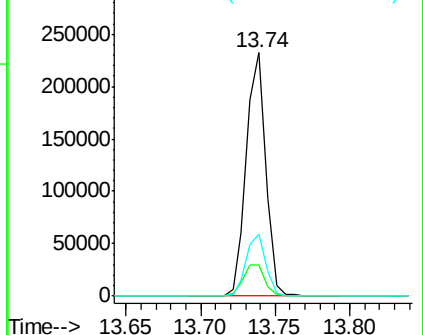
236 25.2 20.5 30.7

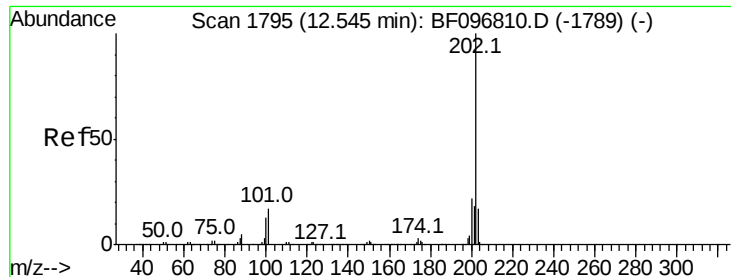


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.226 ng

RT: 12.55 min Scan# 1795

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-1A

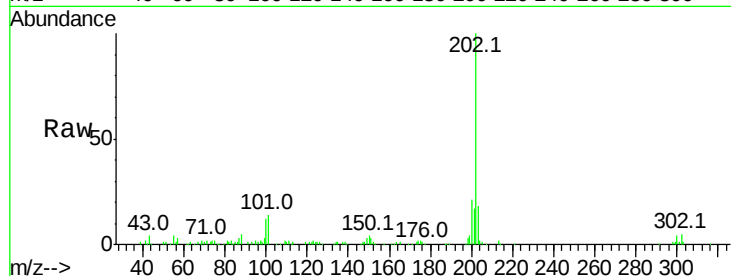
Tot Ion:202 Resp: 80867

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

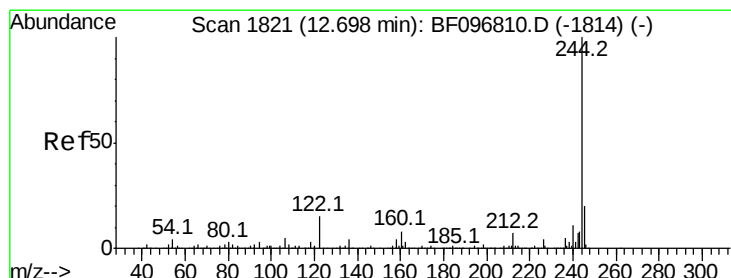
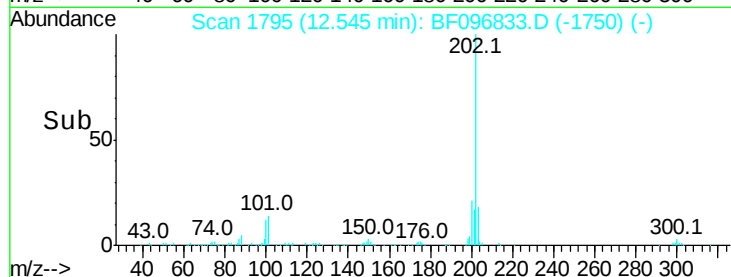
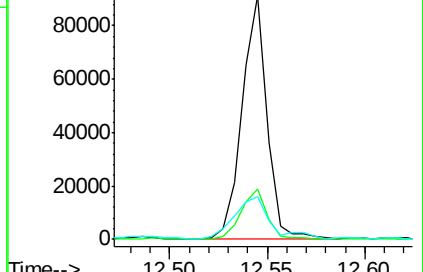
203 17.5 14.4 21.6



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



#78

Terphenyl-d14

Concen: 40.897 ng

RT: 12.70 min Scan# 1821

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

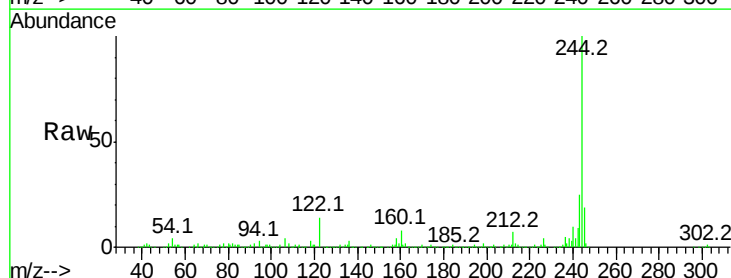
Tgt Ion:244 Resp: 497237

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

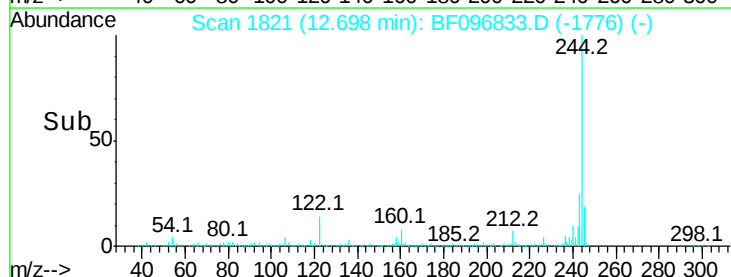
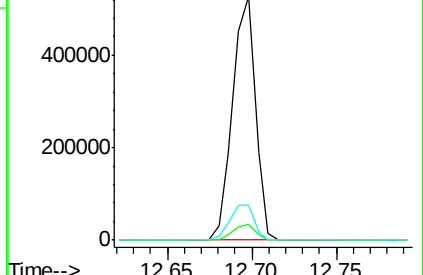
122 14.1 10.3 15.5

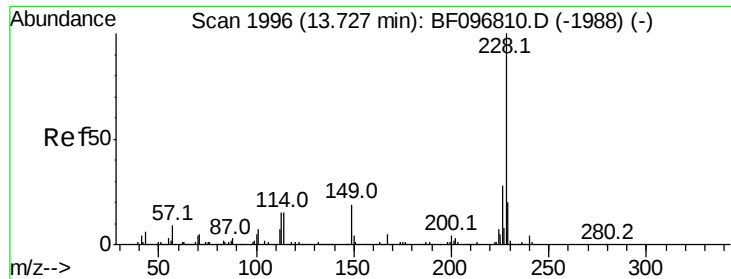


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

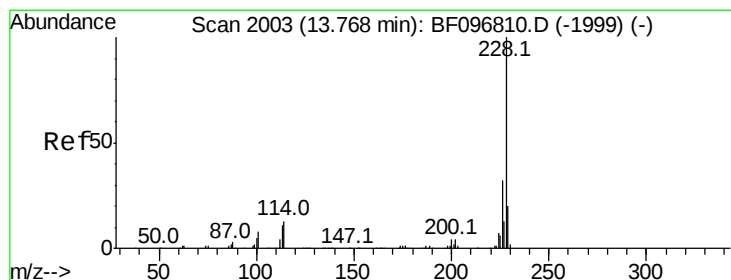
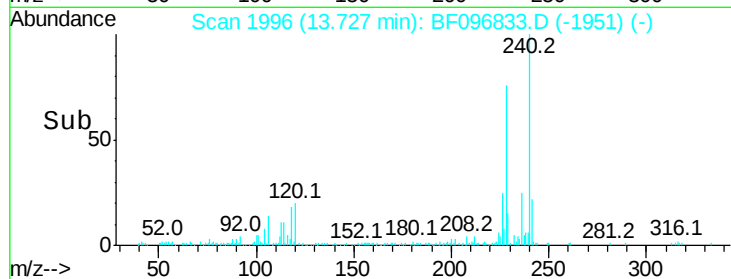
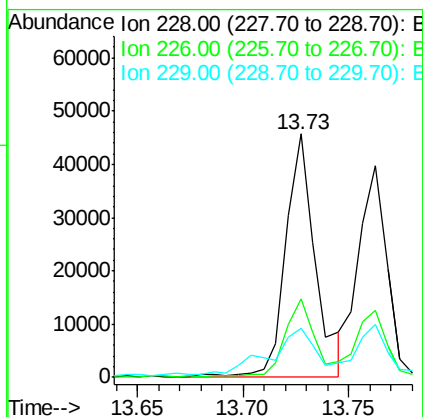
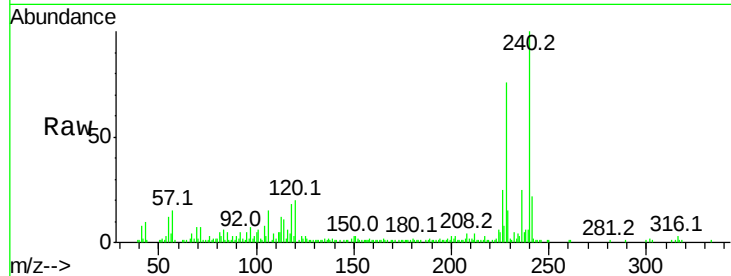




#80
Benzo(a)anthracene
Concen: 3.441 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

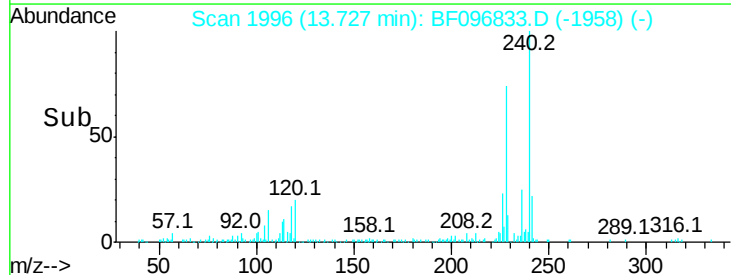
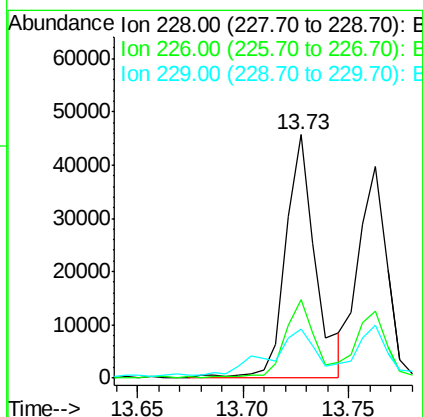
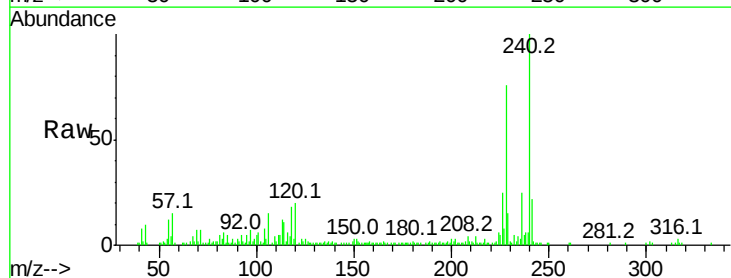
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-1A

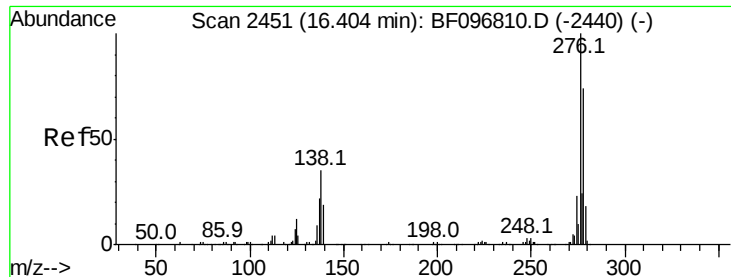
Tot Ion:228 Resp: 45205
Ion Ratio Lower Upper
228 100
226 32.5 22.6 33.8
229 20.0 16.3 24.5



#82
Chrysene
Concen: 3.495 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.08 min
Lab File: BF096833.D
Acq: 17 Jul 2017 21:37

Tgt Ion:228 Resp: 45205
Ion Ratio Lower Upper
228 100
226 32.5 24.9 37.3
229 20.0 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.330 ng

RT: 16.39 min Scan# 2449

Delta R.T. -0.08 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-1A

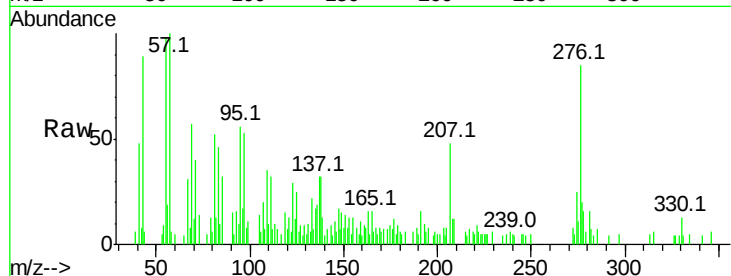
Tot Ion:276 Resp: 12455

Ion Ratio Lower Upper

276 100

138 32.6 27.8 41.6

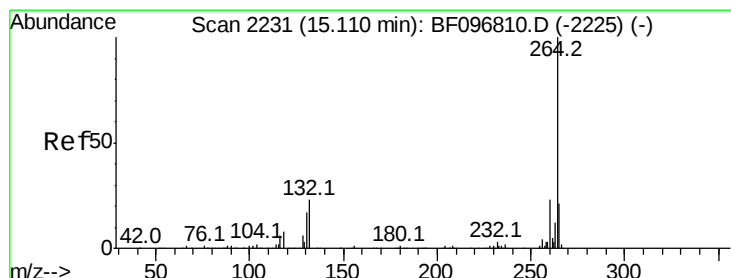
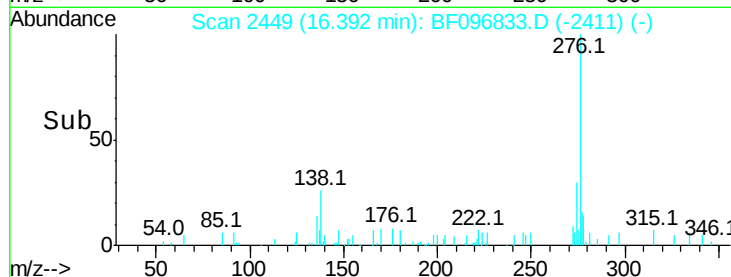
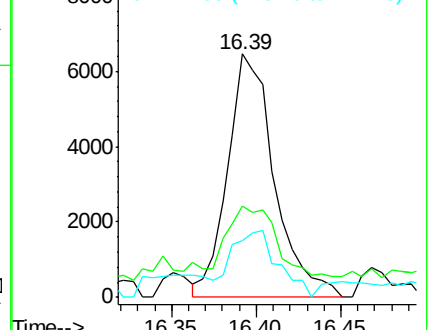
277 27.2 20.2 30.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.11 min Scan# 2231

Delta R.T. -0.05 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

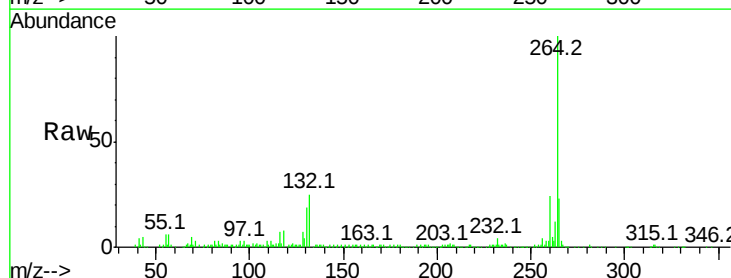
Tgt Ion:264 Resp: 159556

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

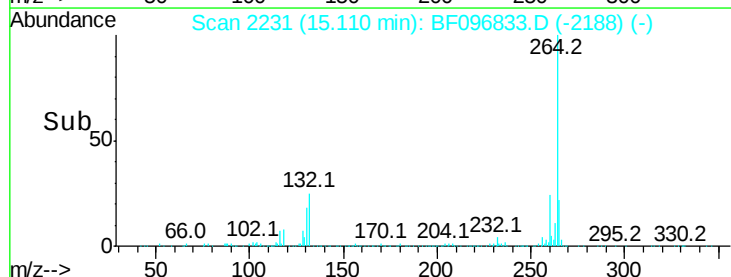
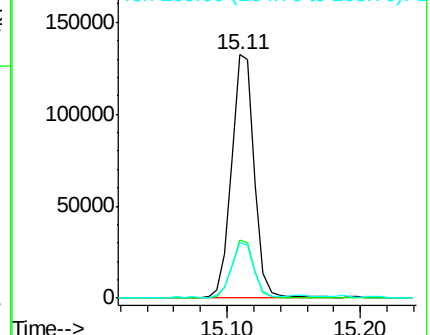
265 22.6 17.2 25.8

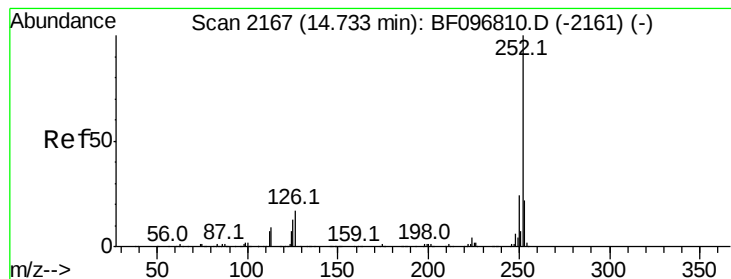


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.504 ng

RT: 14.73 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-1A

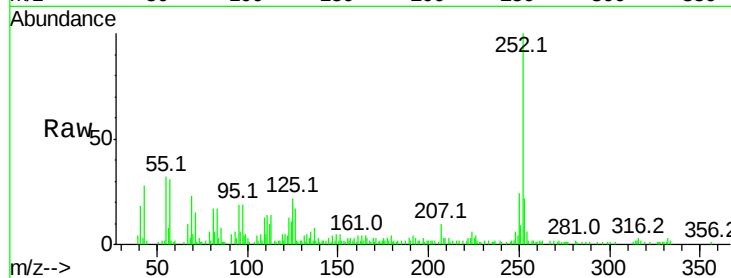
Tot Ion:252 Resp: 52963

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 21.5 9.8 14.8#

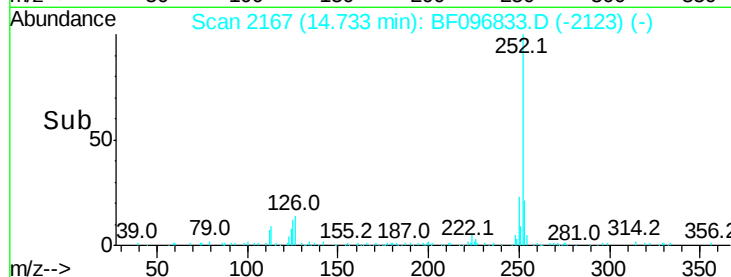


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 14.65 14.70 14.75 14.80



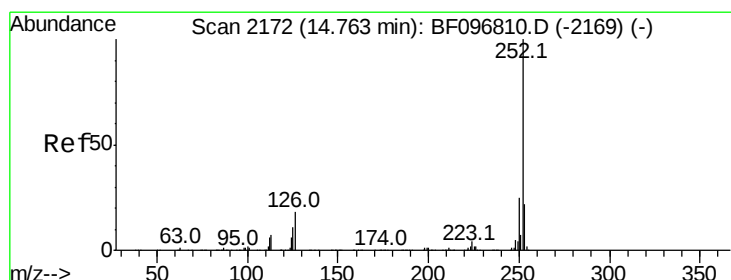
Abundance

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

Time--> 14.65 14.70 14.75 14.80



#88

Benzo(k)fluoranthene

Concen: 5.812 ng

RT: 14.73 min Scan# 2167

Delta R.T. -0.06 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

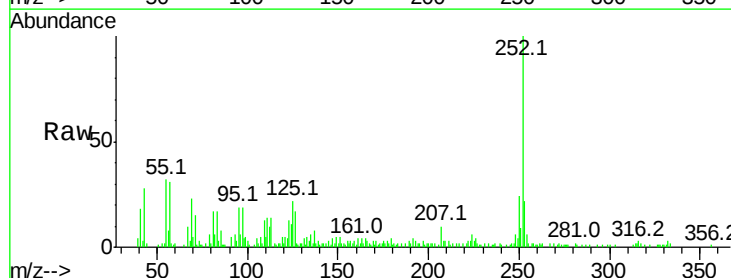
Tgt Ion:252 Resp: 52963

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 21.5 13.1 19.7#

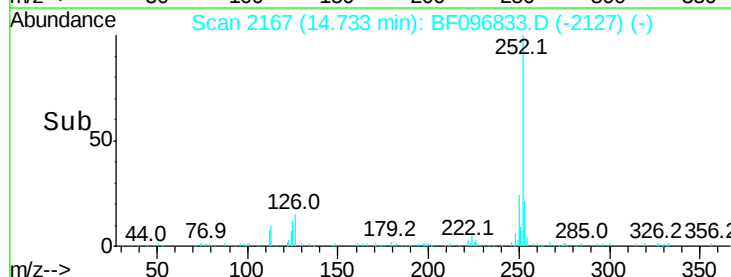


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 14.65 14.70 14.75 14.80



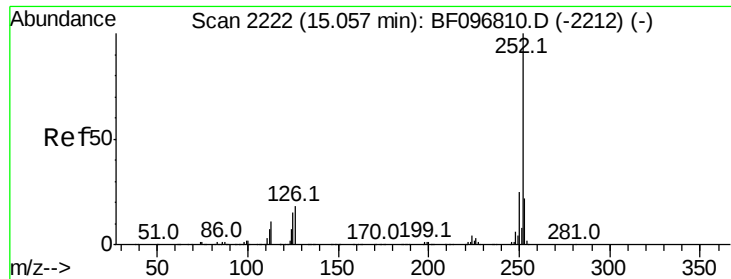
Abundance

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

Time--> 14.65 14.70 14.75 14.80



#89

Benzo(a)pyrene

Concen: 2.850 ng

RT: 15.06 min Scan# 2222

Delta R.T. -0.05 min

Lab File: BF096833.D

Acq: 17 Jul 2017 21:37

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-1A

Tot Ion:252 Resp: 25154

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 18.7 11.0 16.4#

