

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042018\
 Data File : BF104693.D
 Acq On : 21 Apr 2018 00:40
 Operator : JU/SJ
 Sample : J2453-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-8_1.0-1.5

Quant Time: Apr 21 04:17:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 20 14:49:55 2018
 Response via : Initial Calibration

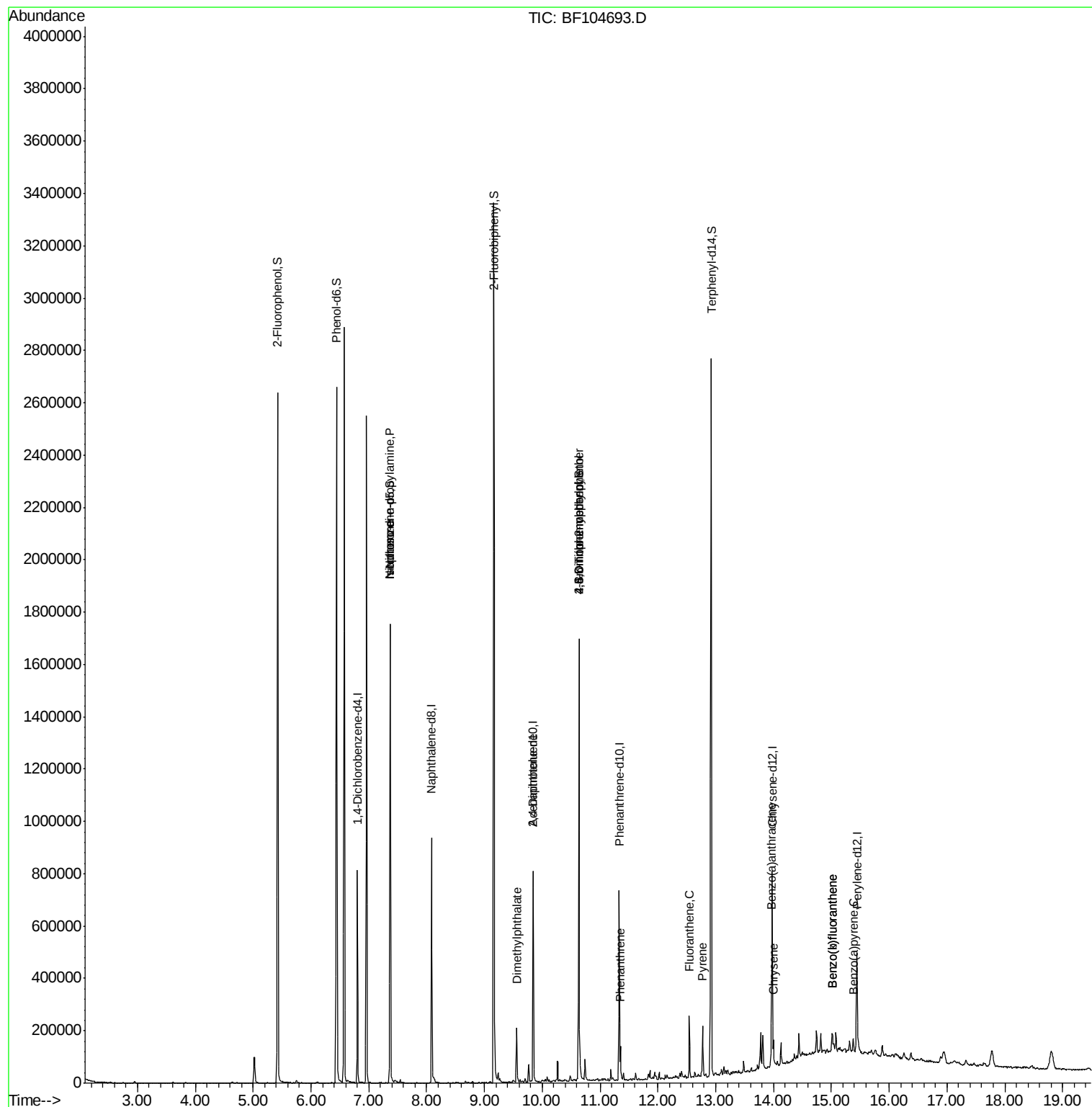
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	110232	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	420538	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	165473	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	282942	20.00	ng	0.00
75) Chrysene-d12	13.97	240	226850	20.00	ng	0.00
86) Perylene-d12	15.44	264	168307	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	868950	120.53	ng	0.00
7) Phenol-d6	6.45	99	1046199	118.11	ng	0.00
23) Nitrobenzene-d5	7.37	82	640226	99.41	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	213586	124.43	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1061043	101.30	ng	0.00
78) Terphenyl-d14	12.92	244	958609	96.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	84177	14.543	ng	Qvalue # 72
25) Isophorone	7.37	82	640221	47.010	ng	# 64
49) Dimethylphthalate	9.56	163	87086	6.674	ng	99
56) 2,4-Dinitrotoluene	9.84	165	21210	6.697	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.63	198	366	7.572	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12246	4.069	ng	# 1
70) Phenanthrene	11.36	178	43546	2.764	ng	95
74) Fluoranthene	12.54	202	86277	5.241	ng	97
76) Benzidine	12.92	184	12602	Below Cal		# 92
77) Pyrene	12.77	202	71200	4.234	ng	98
80) Benzo(a)anthracene	13.96	228	34937	2.578	ng	94
82) Chrysene	14.00	228	33671	2.419	ng	98
87) Benzo(b)fluoranthene	15.02	252	44429	4.180	ng	# 92
88) Benzo(k)fluoranthene	15.02	252	44429	4.427	ng	# 95
89) Benzo(a)pyrene	15.37	252	21891	2.302	ng	# 89

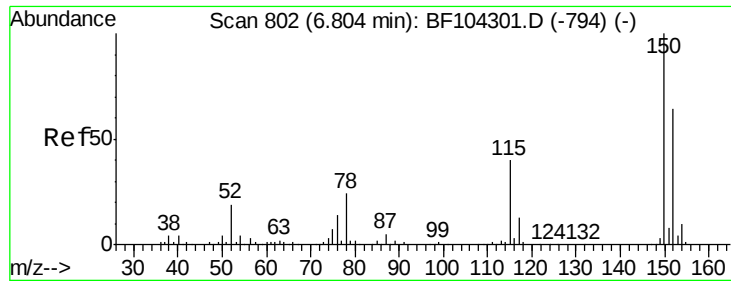
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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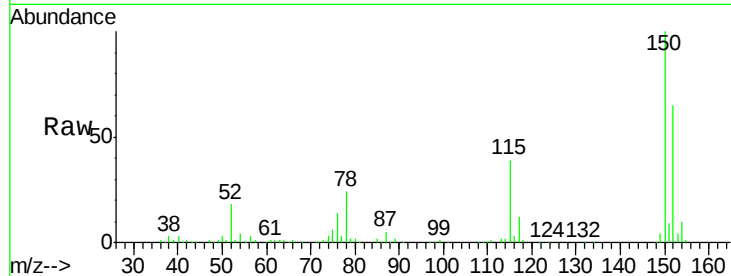


#1

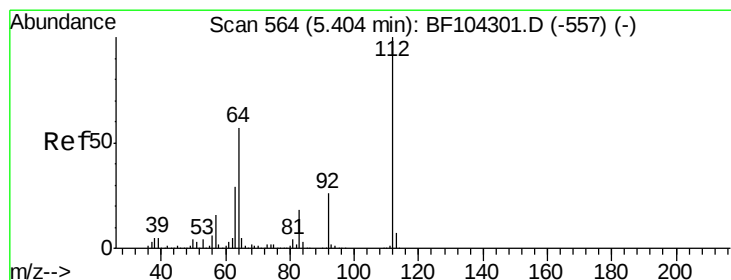
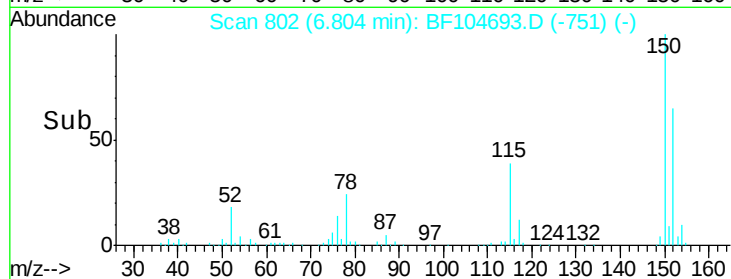
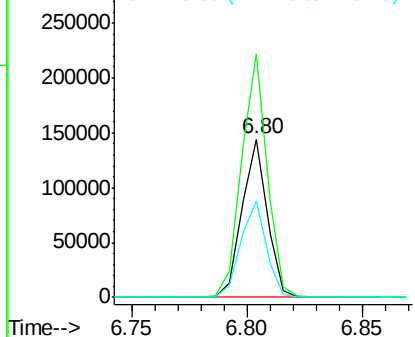
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

Instrument :
BNA_F
ClientSampleId :
T-8_1.0-1.5

Tot Ion:152 Resp: 110232
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 60.6 50.1 75.1



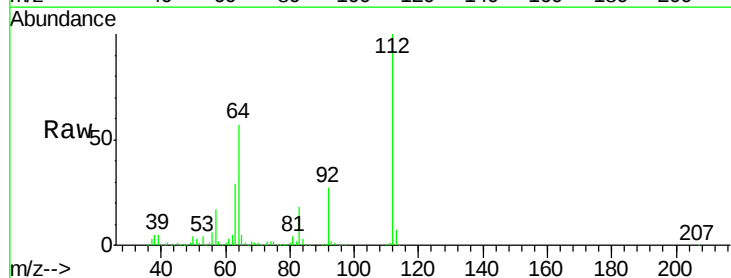
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



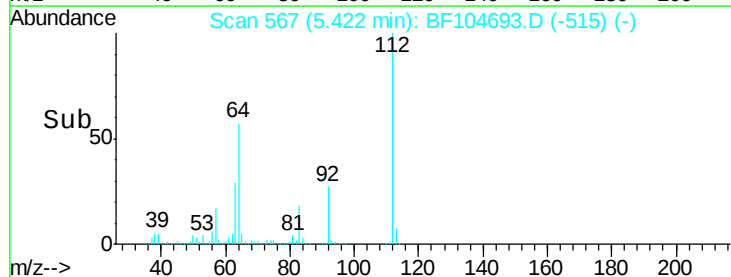
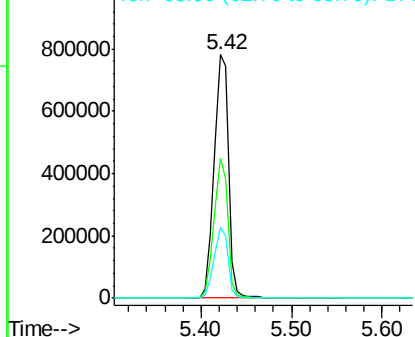
#5

2-Fluorophenol
Concen: 120.534 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

Tgt Ion:112 Resp: 868950
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 29.2 23.7 35.5



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: 118.112 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Instrument :

BNA_F

ClientSampleId :

T-8_1.0-1.5

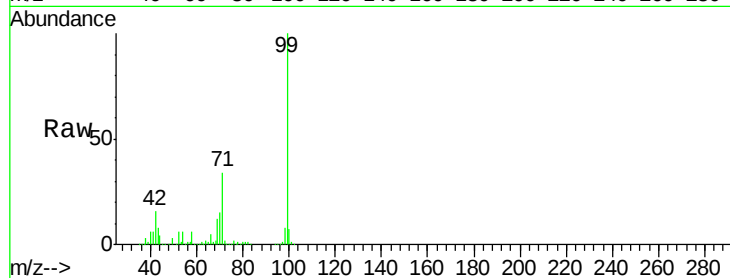
Tot Ion: 99 Resp: 1046199

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

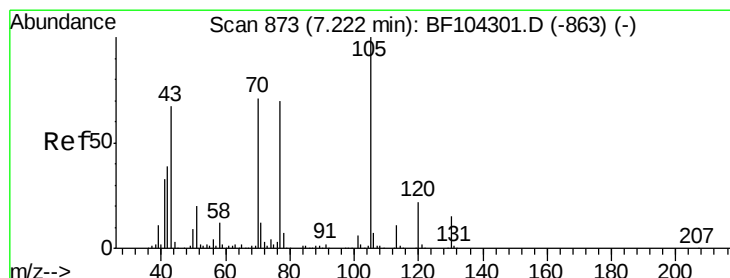
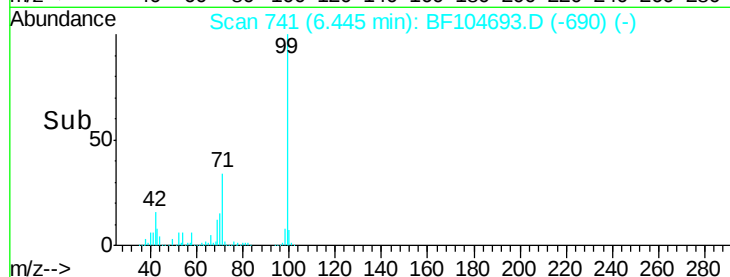
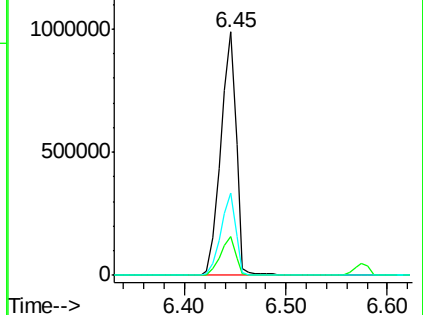
71 34.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.543 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Tgt Ion: 70 Resp: 84177

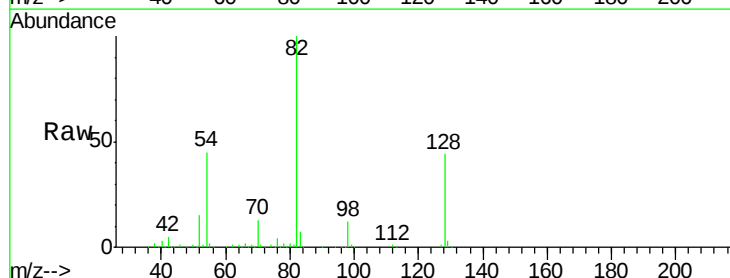
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

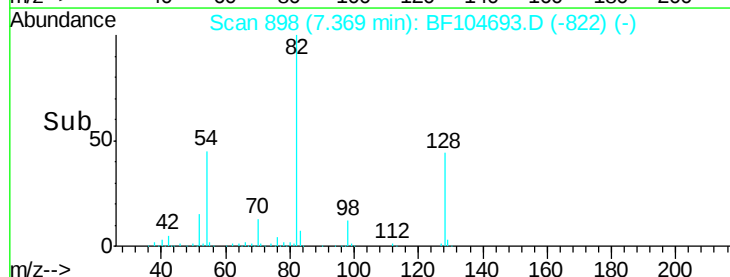
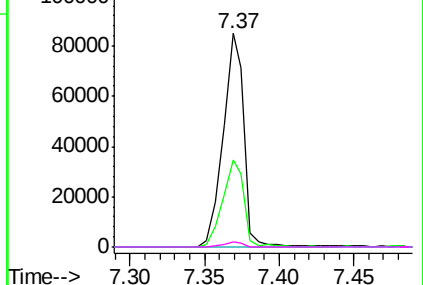


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

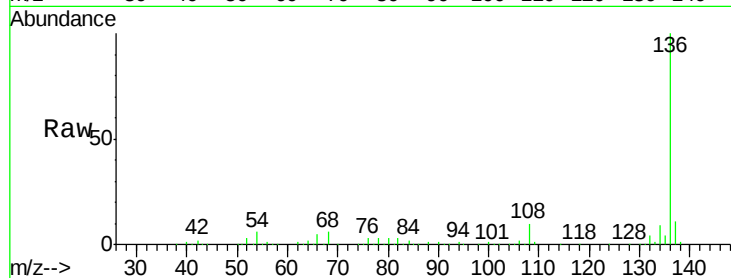




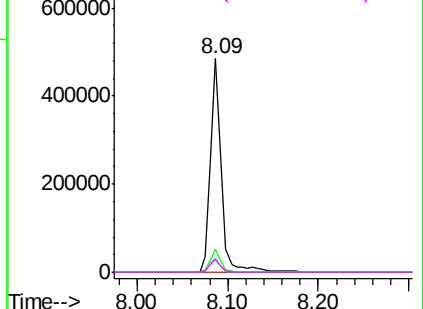
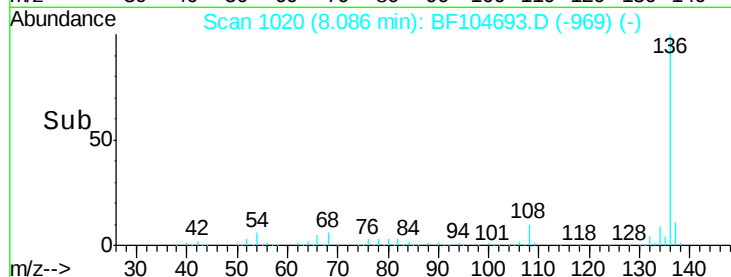
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

Instrument :
BNA_F
ClientSampleId :
T-8_1.0-1.5

Tot Ion:136	Resp:	420538
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.4	6.6 9.8#
68	6.0	5.0 7.4

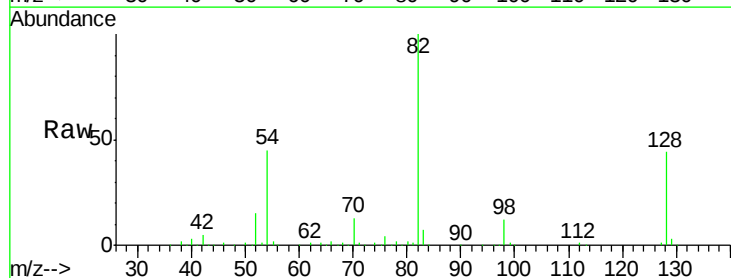


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

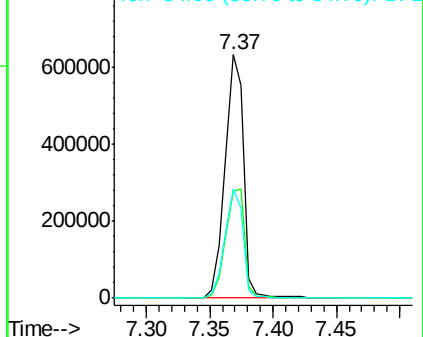
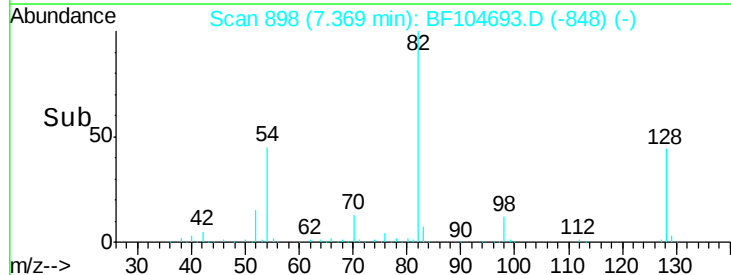


#23
Nitrobenzene-d5
Concen: 99.410 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

Tgt Ion: 82	Resp:	640226
Ion Ratio	Lower	Upper
82	100	
128	43.9	36.1 54.1
54	44.8	41.4 62.2



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: 47.010 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Instrument :

BNA_F

ClientSampleId :

T-8 1.0-1.5

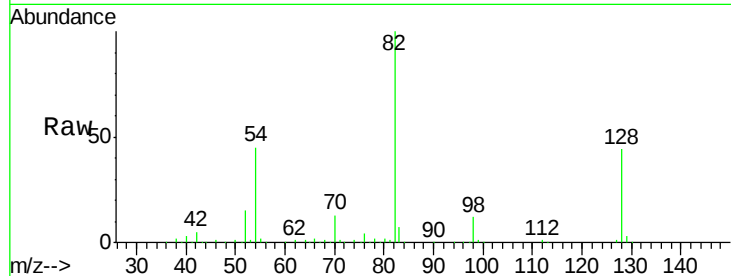
Tot Ion: 82 Resp: 640221

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

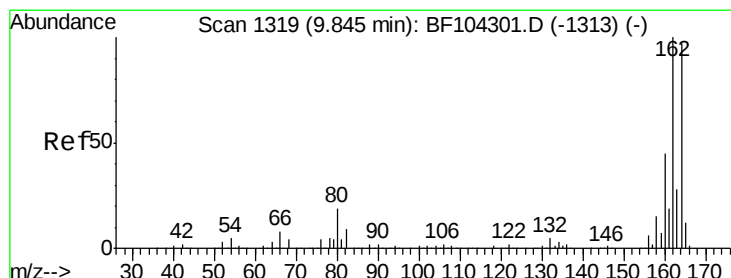
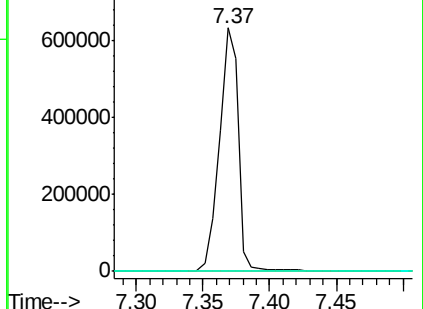
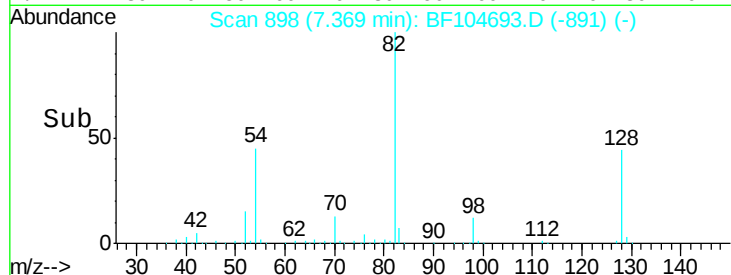
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

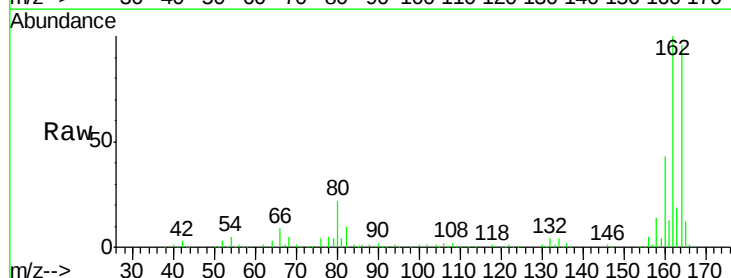
Tgt Ion: 164 Resp: 165473

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

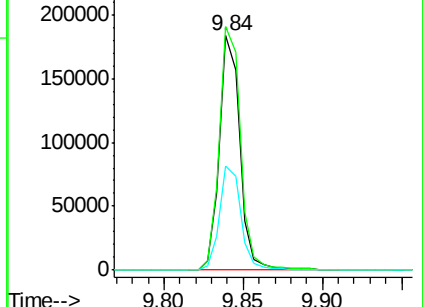
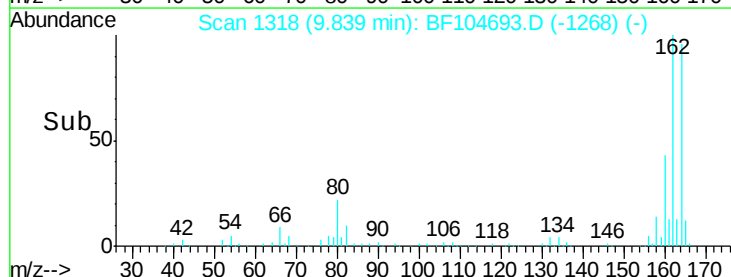
160 44.7 38.3 57.5

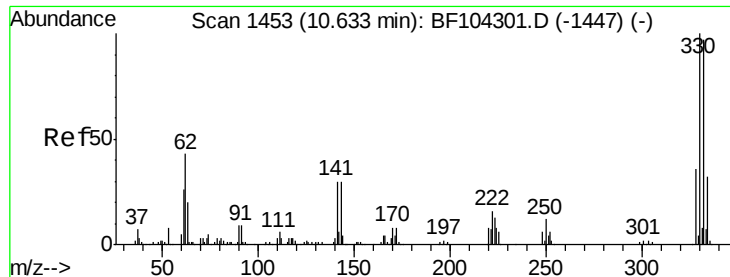


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

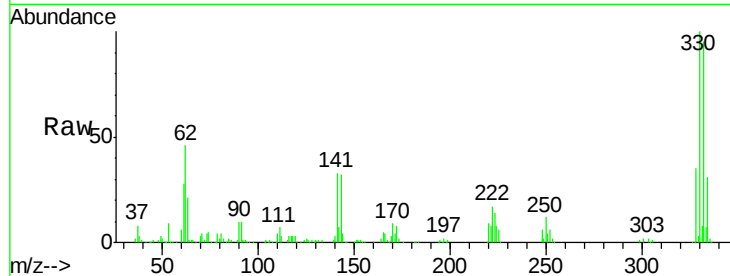




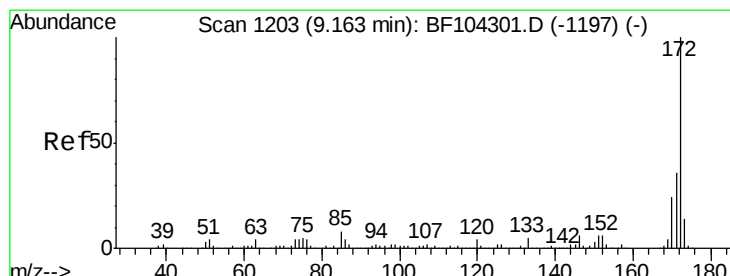
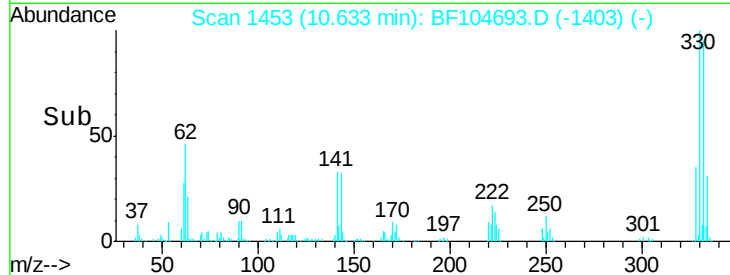
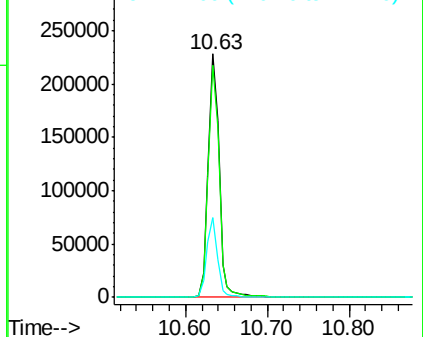
#41
 2,4,6-Tribromophenol
 Concen: 124.431 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104693.D
 Acq: 21 Apr 2018 00:40

Instrument :
 BNA_F
 ClientSampleId :
 T-8_1.0-1.5

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	32.6	29.9	44.9

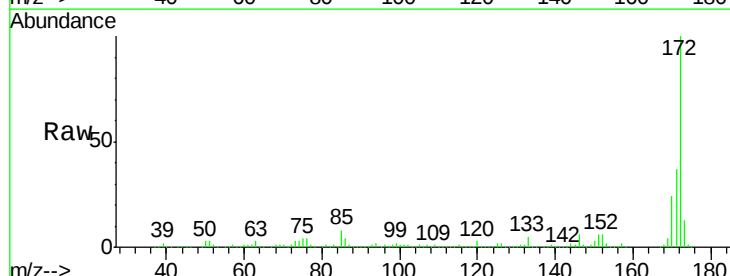


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

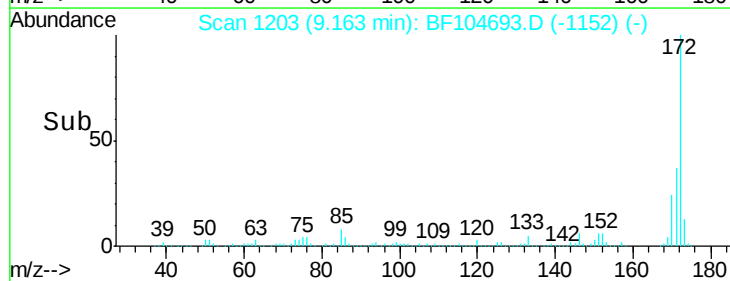
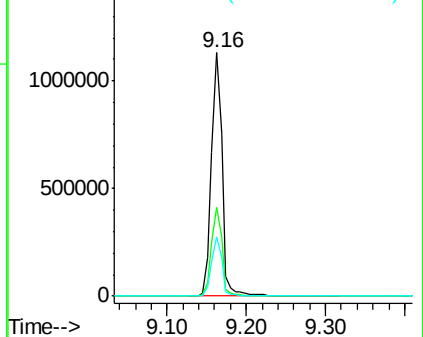


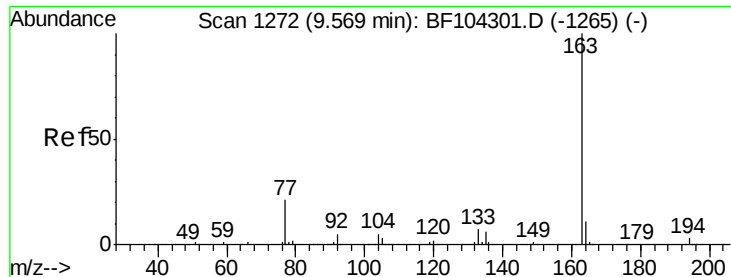
#44
 2-Fluorobiphenyl
 Concen: 101.297 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104693.D
 Acq: 21 Apr 2018 00:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.2	19.6	29.4



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

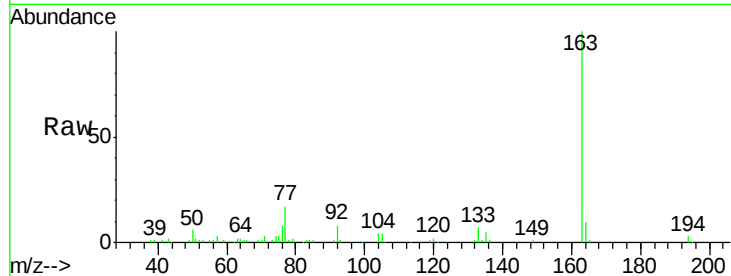




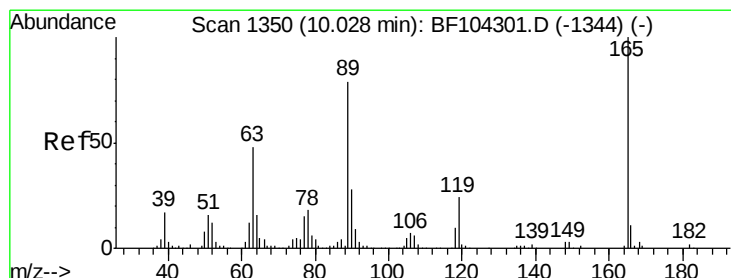
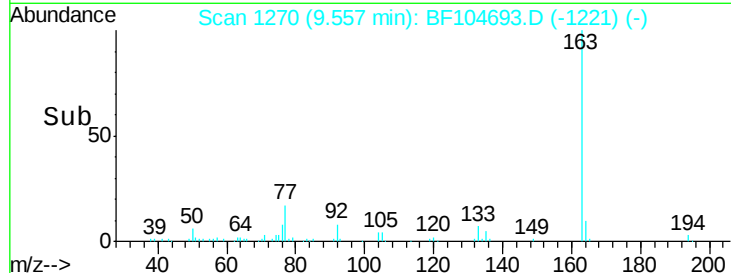
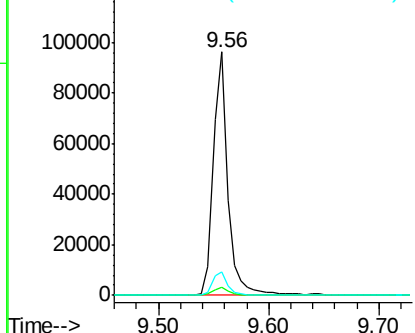
#49
Dimethylphthalate
Concen: 6.674 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

Instrument :
BNA_F
ClientSampleId :
T-8_1.0-1.5

Tot Ion:163 Resp: 87086
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.9 8.2 12.2

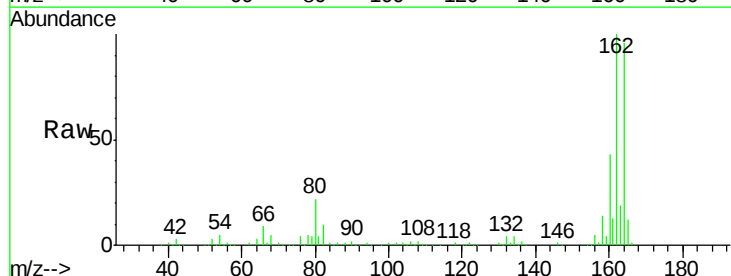


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

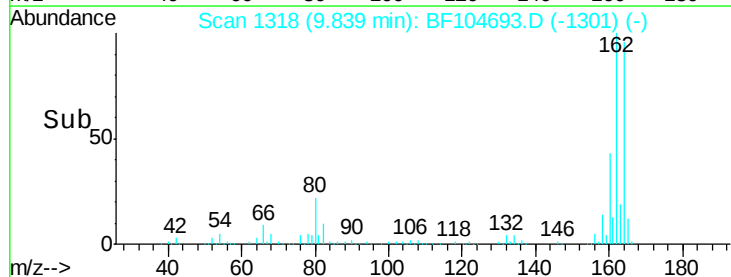
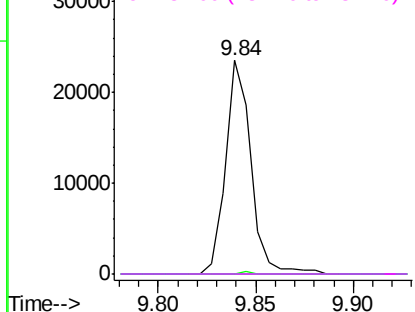


#56
2,4-Dinitrotoluene
Concen: 6.697 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

Tgt Ion:165 Resp: 21210
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



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

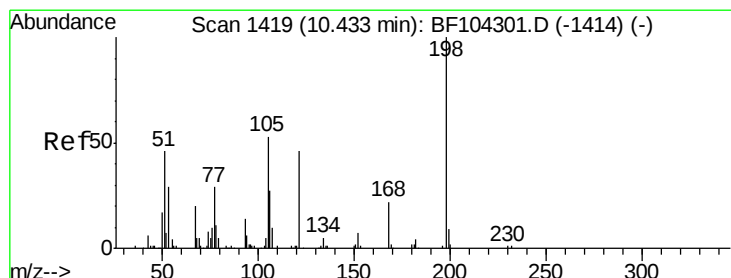
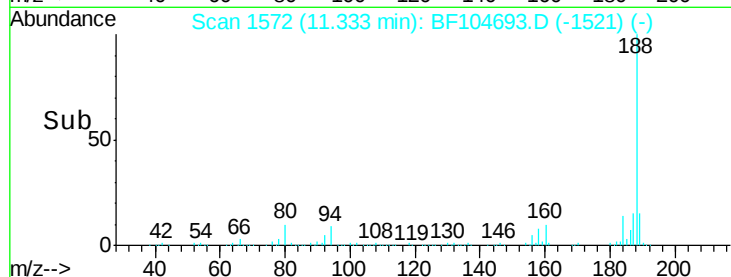
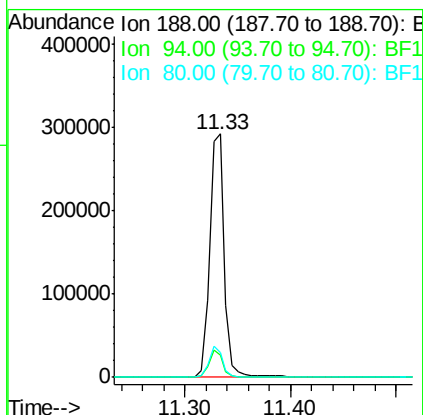
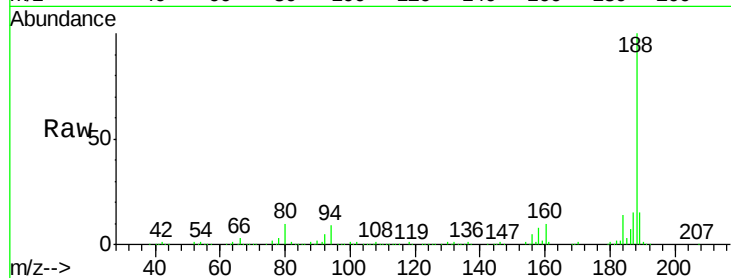




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

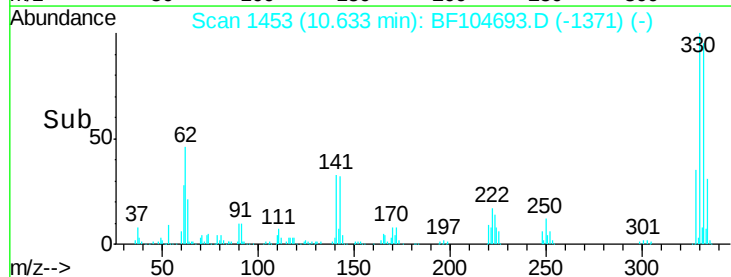
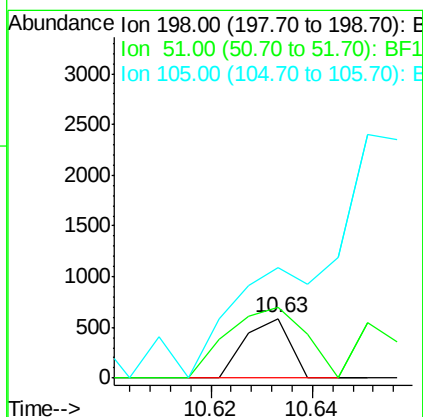
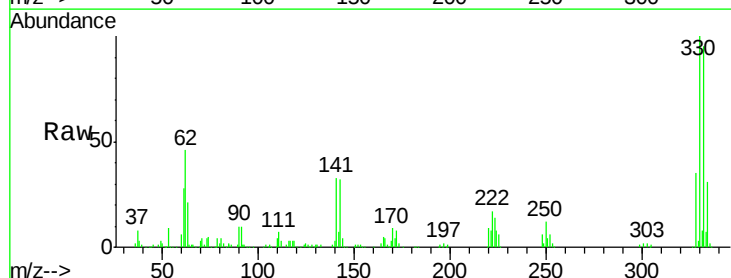
Instrument :
BNA_F
ClientSampleId :
T-8_1.0-1.5

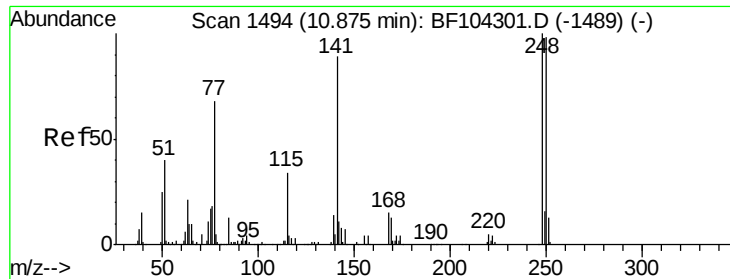
Tot Ion:188 Resp: 282942
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 10.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.572 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104693.D
Acq: 21 Apr 2018 00:40

Tgt Ion:198 Resp: 366
Ion Ratio Lower Upper
198 100
51 119.5 37.7 77.7#
105 185.2 36.3 76.3#

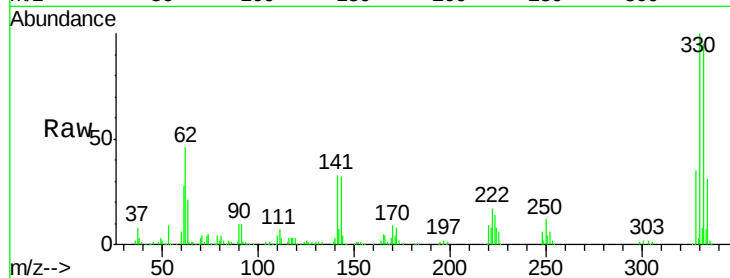




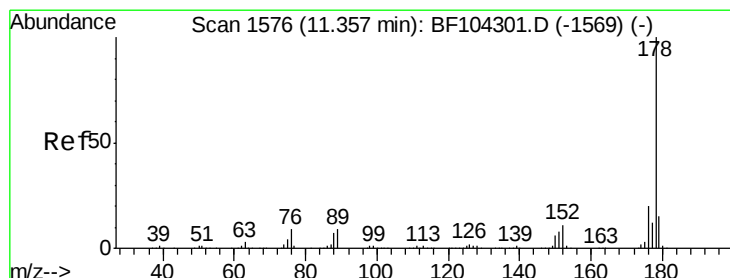
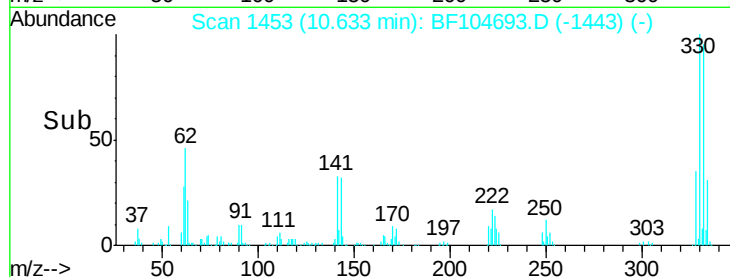
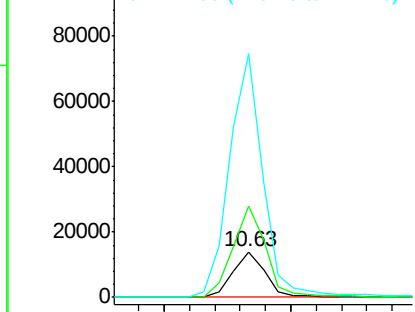
#66
 4-Bromophenyl-phenylether
 Concen: 4.069 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104693.D
 Acq: 21 Apr 2018 00:40

Instrument :
 BNA_F
 ClientSampled :
 T-8 1.0-1.5

Tot Ion:248 Resp: 12246
 Ion Ratio Lower Upper
 248 100
 250 200.9 76.9 115.3#
 141 534.9 74.4 111.6#

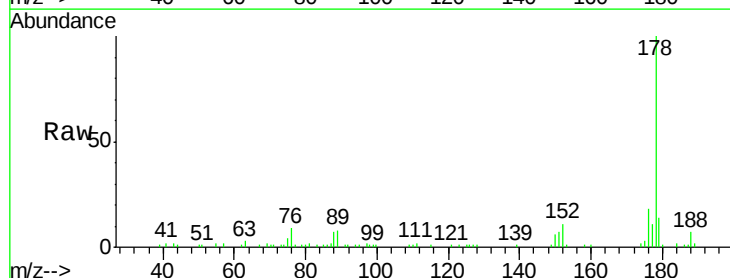


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

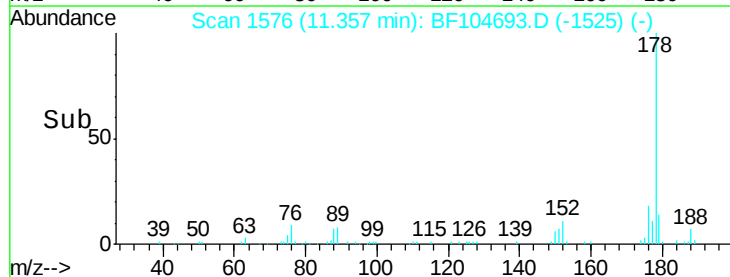
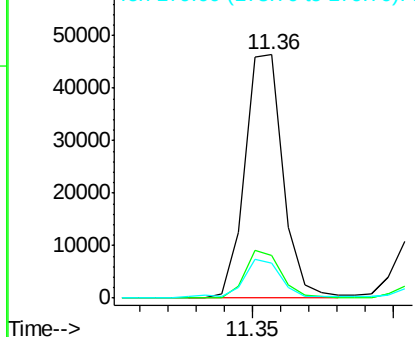


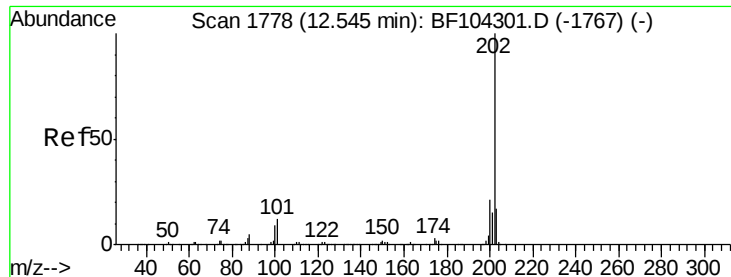
#70
 Phenanthrene
 Concen: 2.764 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: BF104693.D
 Acq: 21 Apr 2018 00:40

Tgt Ion:178 Resp: 43546
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.8 23.8
 179 14.1 13.0 19.6



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: 5.241 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Instrument :

BNA_F

ClientSampleId :

T-8 1.0-1.5

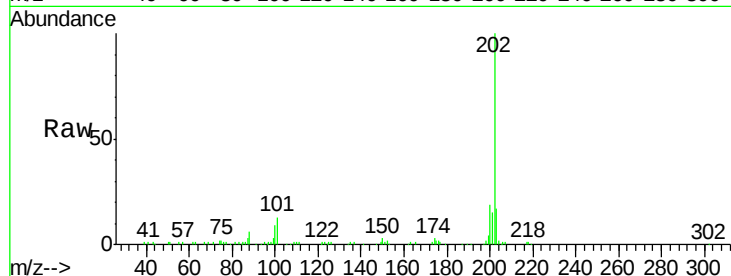
Tot Ion:202 Resp: 86277

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

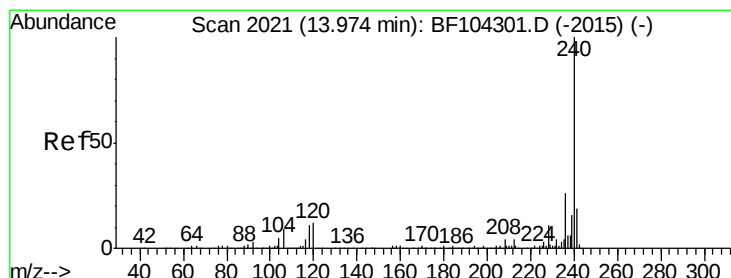
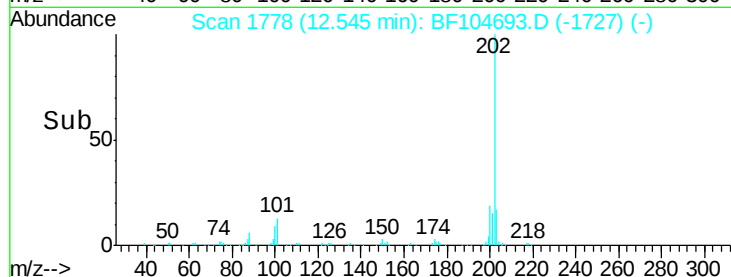
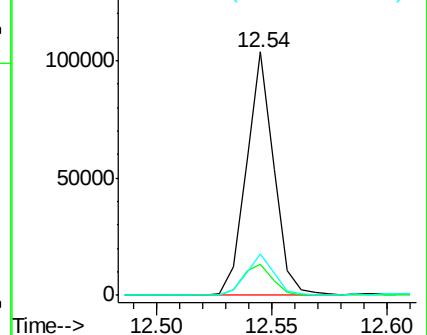
203 16.9 0.0 38.1



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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

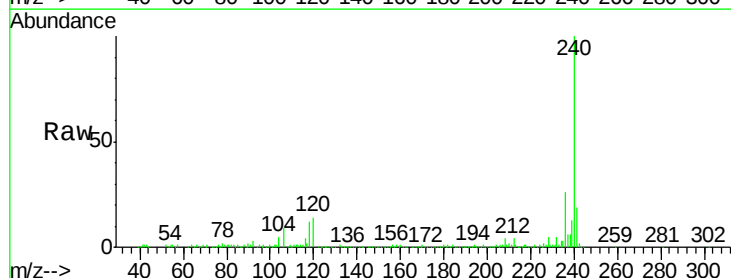
Tgt Ion:240 Resp: 226850

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

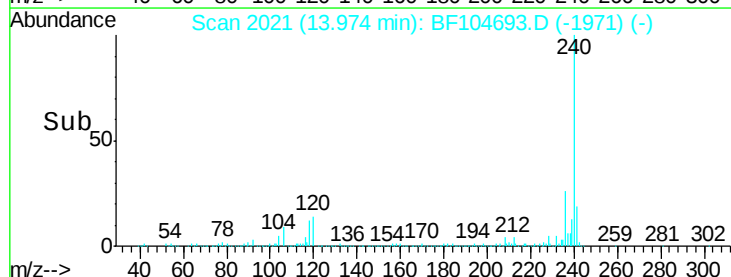
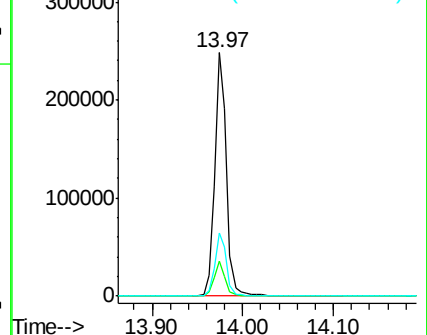
236 26.1 20.7 31.1

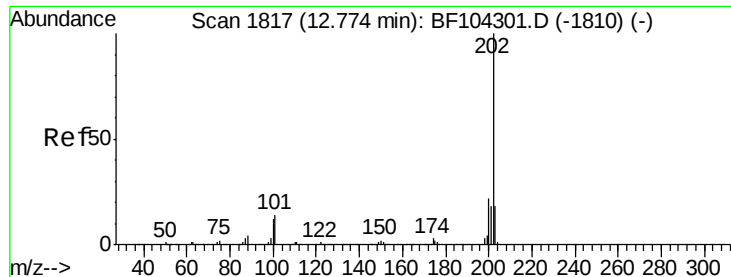


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.234 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Instrument :

BNA_F

ClientSampleId :

T-8_1.0-1.5

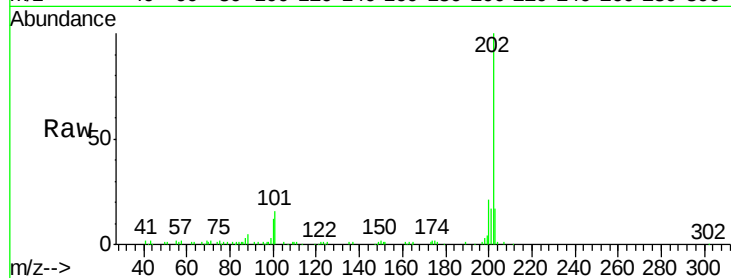
Tot Ion:202 Resp: 71200

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

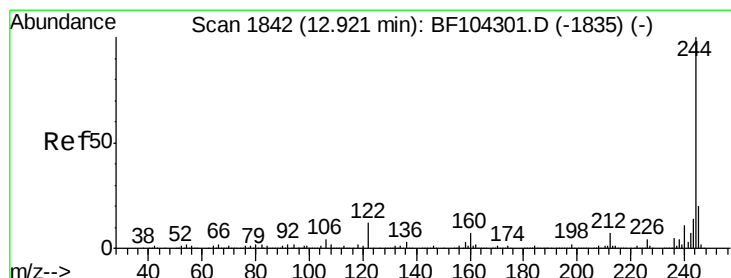
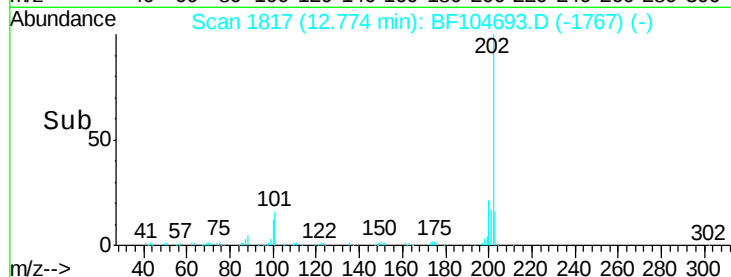
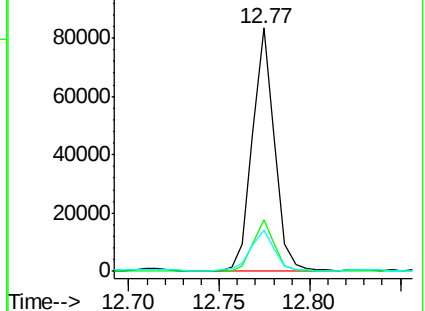
203 16.8 14.3 21.5



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: 96.340 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

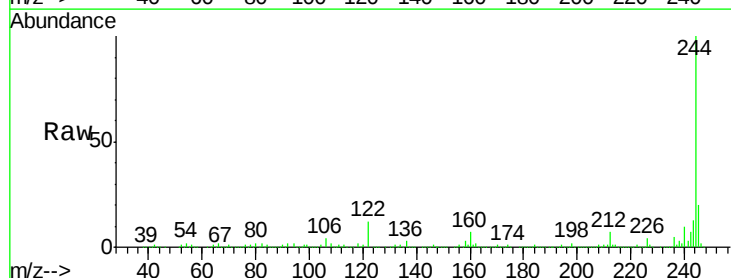
Tgt Ion:244 Resp: 958609

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

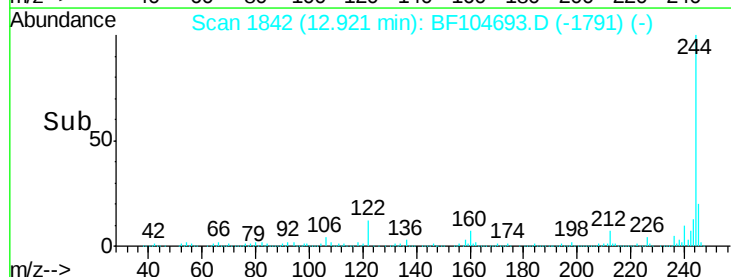
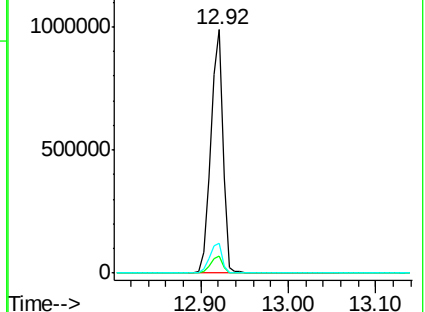
122 12.1 11.0 16.4

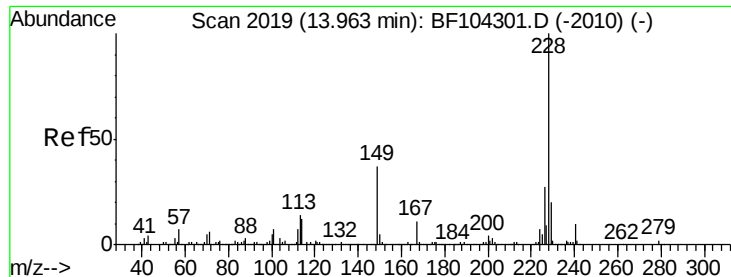


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.578 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Instrument :

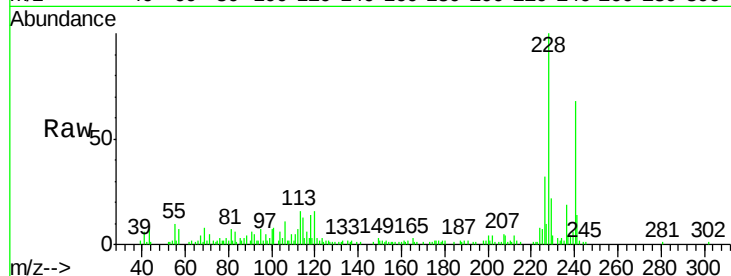
BNA_F

ClientSampleId :

T-8_1.0-1.5

Tot Ion:228 Resp: 34937

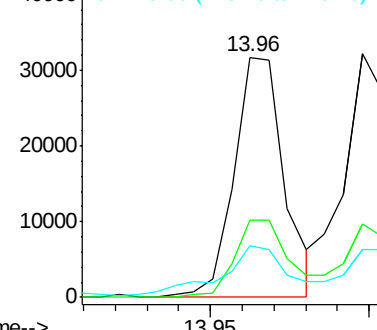
Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	21.5	15.8	23.6



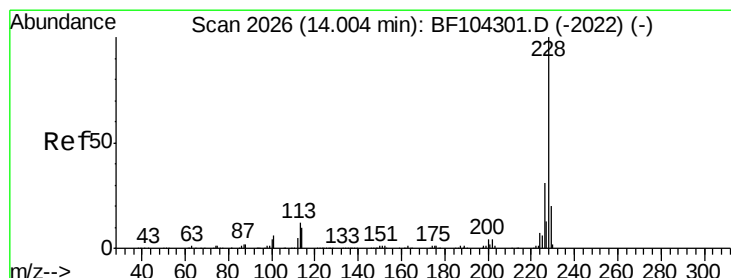
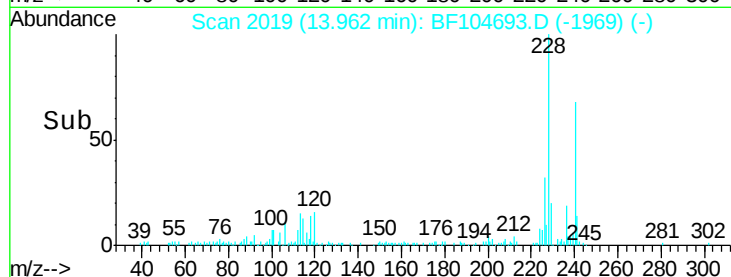
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 2.419 ng

RT: 14.00 min Scan# 2025

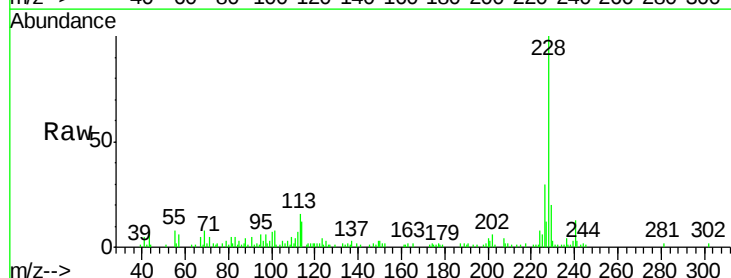
Delta R.T. -0.01 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Tgt Ion:228 Resp: 33671

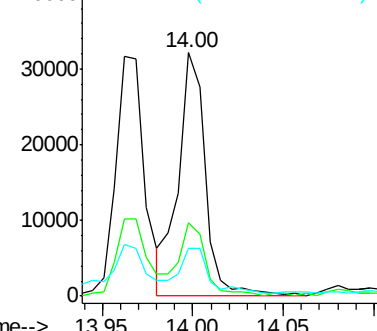
Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	19.7	16.2	24.4



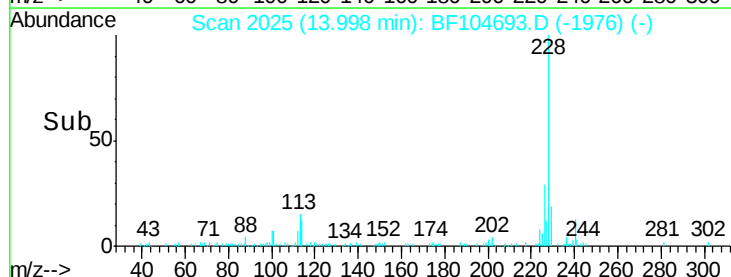
Abundance Ion 228.00 (227.70 to 228.70): E

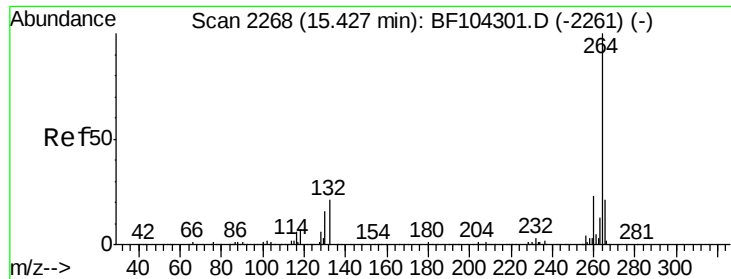
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Instrument :

BNA_F

ClientSampleId :

T-8 1.0-1.5

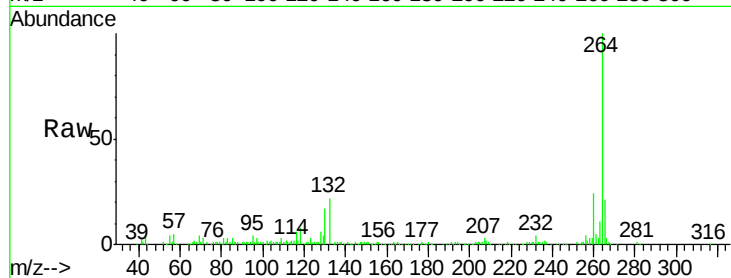
Tot Ion:264 Resp: 168307

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

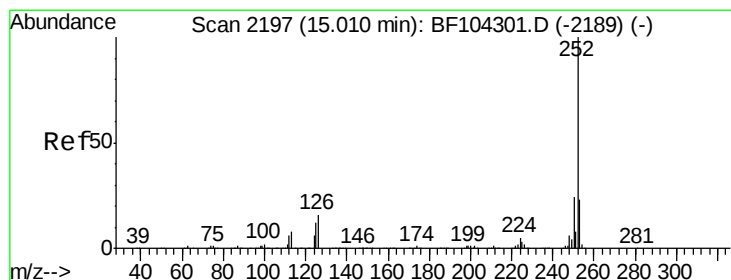
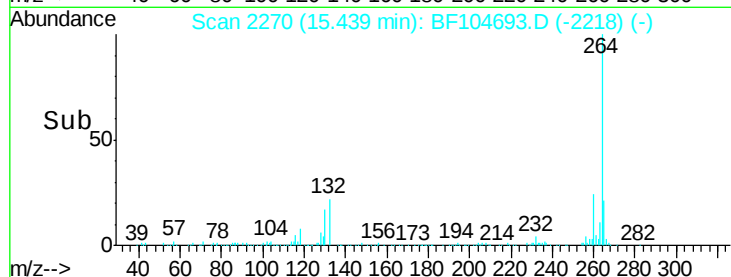
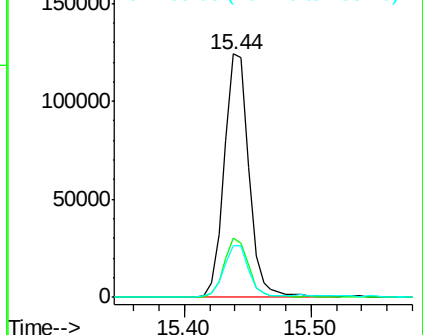
265 21.0 17.5 26.3



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: 4.180 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

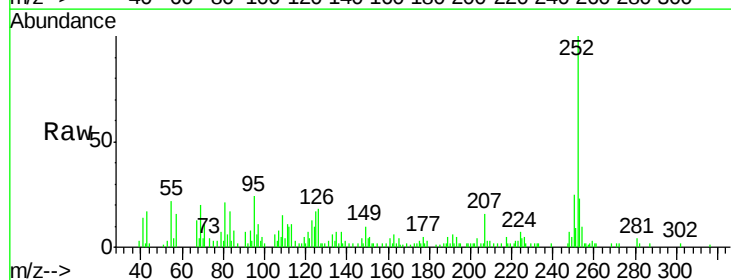
Tgt Ion:252 Resp: 44429

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

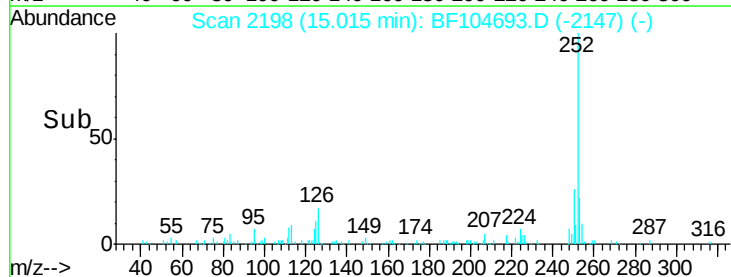
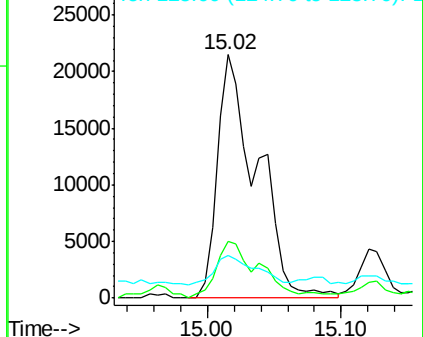
125 17.3 9.0 13.6#

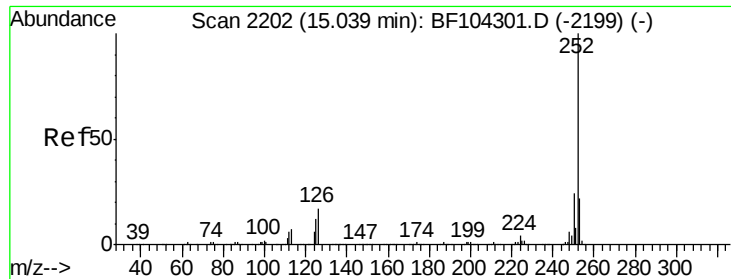


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.427 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.03 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

Instrument :

BNA_F

ClientSampleId :

T-8 1.0-1.5

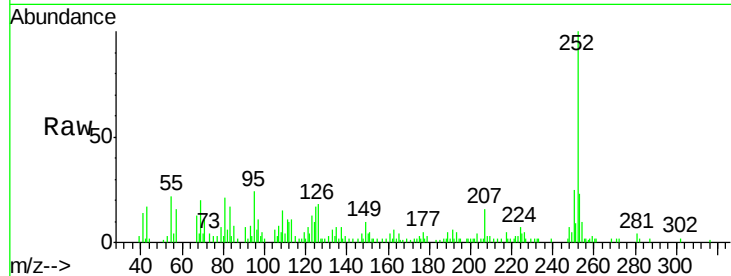
Tot Ion:252 Resp: 44429

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

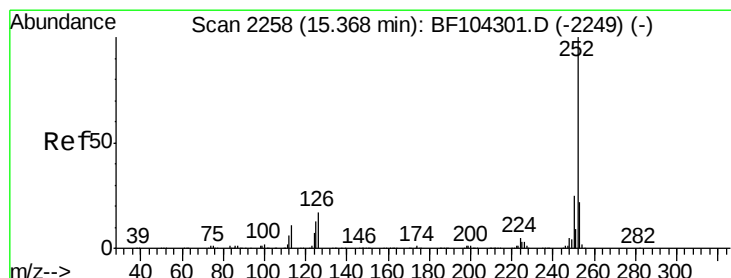
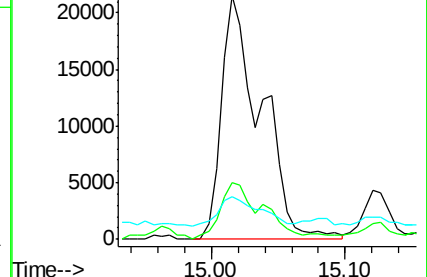
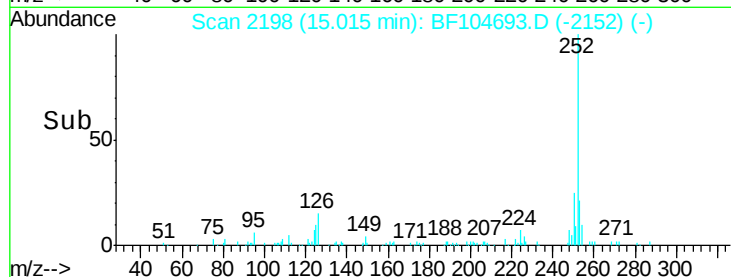
125 17.3 10.2 15.2#



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(a)pyrene

Concen: 2.302 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF104693.D

Acq: 21 Apr 2018 00:40

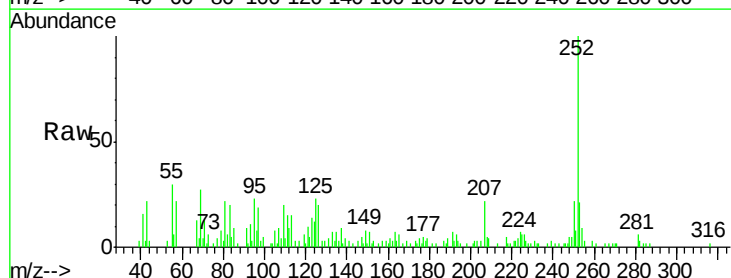
Tgt Ion:252 Resp: 21891

Ion Ratio Lower Upper

252 100

253 20.5 17.1 25.7

125 23.0 9.8 14.6#



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

