

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104849.D
 Acq On : 26 Apr 2018 20:40
 Operator : JU/SJ
 Sample : J2161-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:38:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

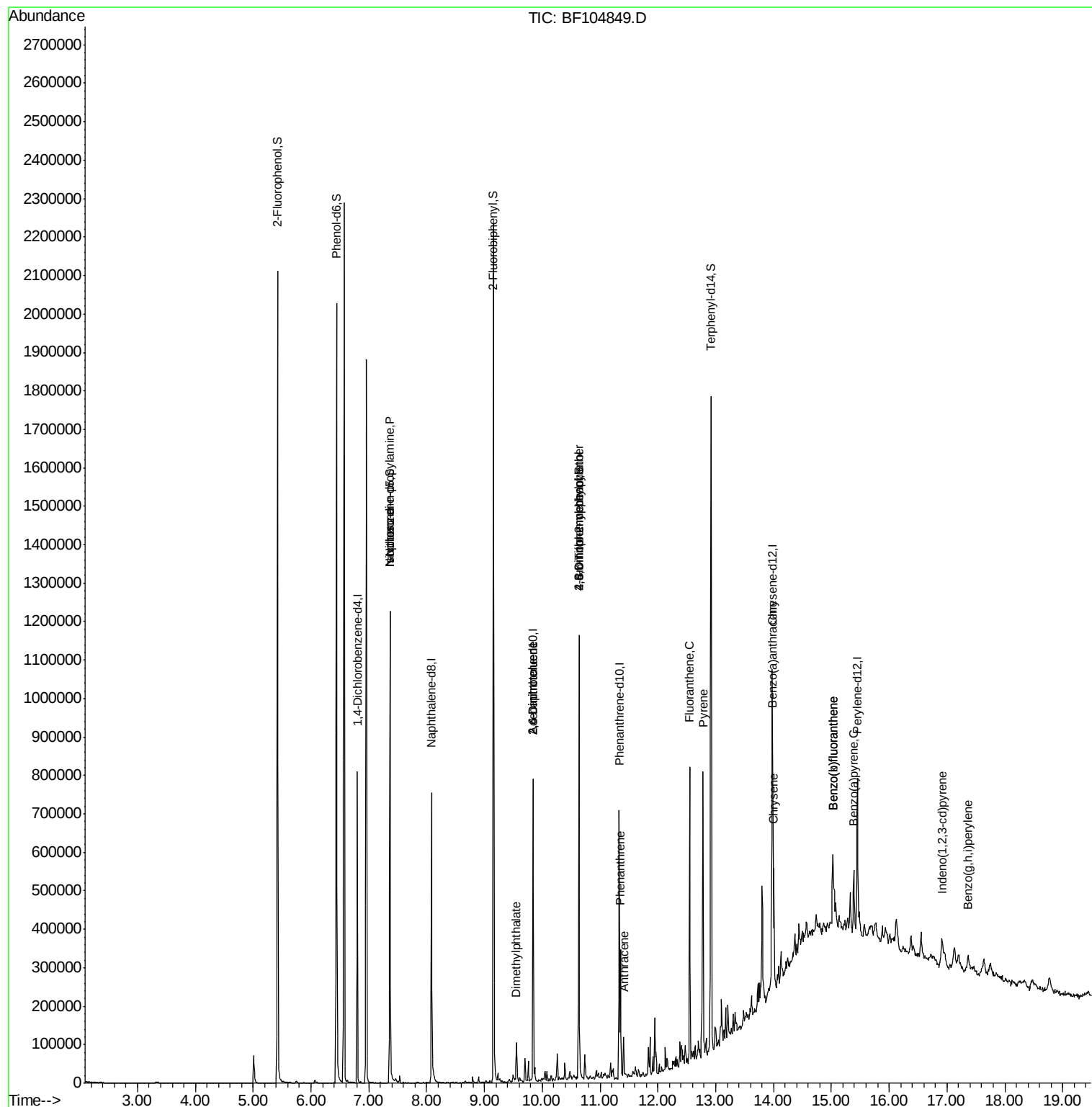
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	110892	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	408103	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	150022	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	265082	20.00	ng	0.00
75) Chrysene-d12	13.98	240	232154	20.00	ng	0.00
86) Perylene-d12	15.45	264	159137	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	637623	87.92	ng	0.00
7) Phenol-d6	6.45	99	742413	83.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	435840	69.74	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	139562	89.68	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	689910	72.65	ng	0.00
78) Terphenyl-d14	12.92	244	629049	61.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	56746	9.745	ng	# 69
25) Isophorone	7.37	82	435836	32.977	ng	# 64
49) Dimethylphthalate	9.55	163	42090	3.558	ng	97
50) 2,6-Dinitrotoluene	9.84	165	20023	9.147	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	20023	6.973	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	113	7.421	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8348	2.961	ng	# 1
70) Phenanthrene	11.36	178	128366	8.696	ng	98
71) Anthracene	11.41	178	47063	3.136	ng	98
74) Fluoranthene	12.55	202	308764	20.019	ng	96
76) Benzidine	12.92	184	9056	Below Cal		99
77) Pyrene	12.78	202	286387	16.643	ng	99
80) Benzo(a)anthracene	13.97	228	135876	9.797	ng	99
82) Chrysene	14.00	228	118206	8.298	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	36689	3.032	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	141599	14.088	ng	# 89
88) Benzo(k)fluoranthene	15.03	252	141599	14.923	ng	# 92
89) Benzo(a)pyrene	15.39	252	69023	7.675	ng	# 92
91) Benzo(a,h,i)perylene	17.36	276	34044	4.758	ng	# 86

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

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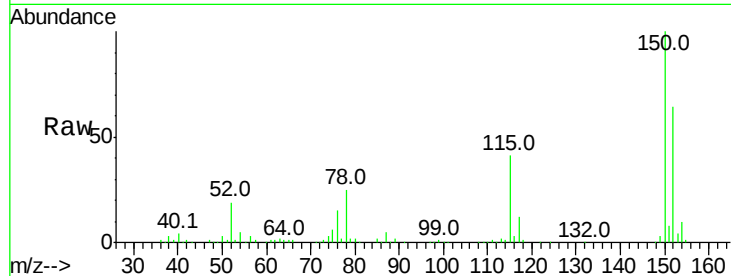


#1

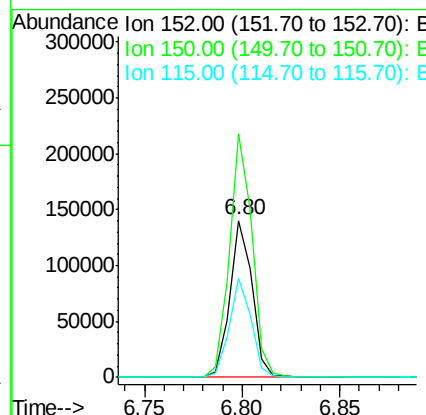
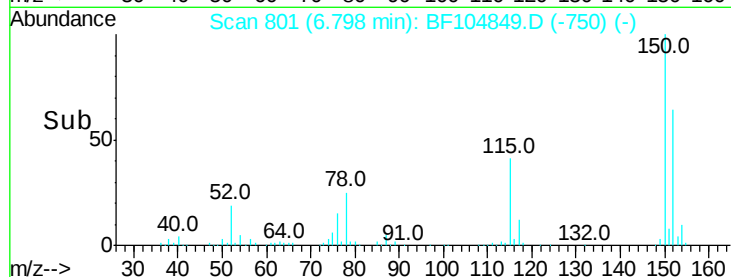
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 110892
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 63.2 50.1 75.1



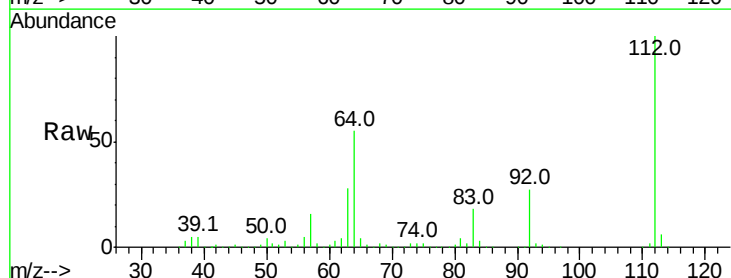
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



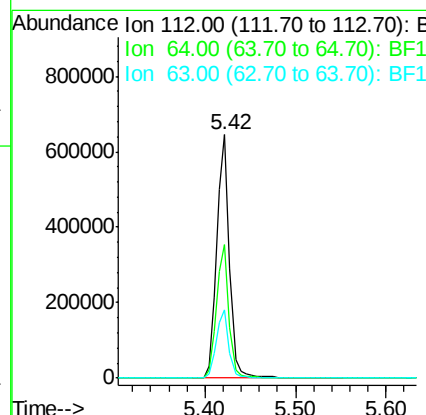
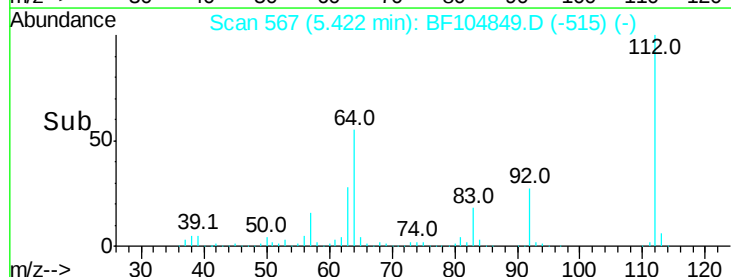
#5

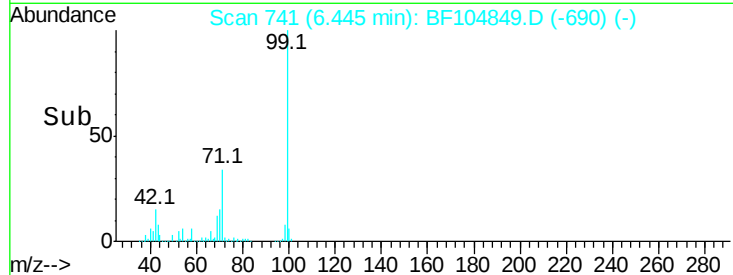
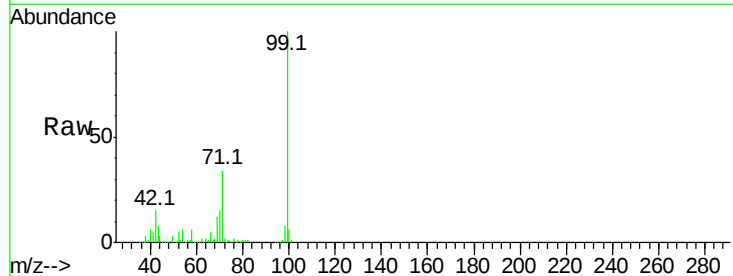
2-Fluorophenol
Concen: 87.920 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion:112 Resp: 637623
Ion Ratio Lower Upper
112 100
64 54.7 47.9 71.9
63 27.9 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: 83.317 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

ClientSampled :

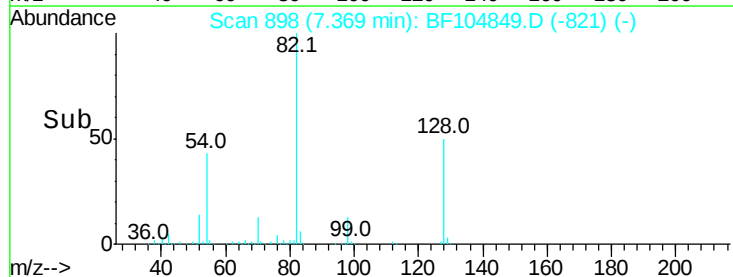
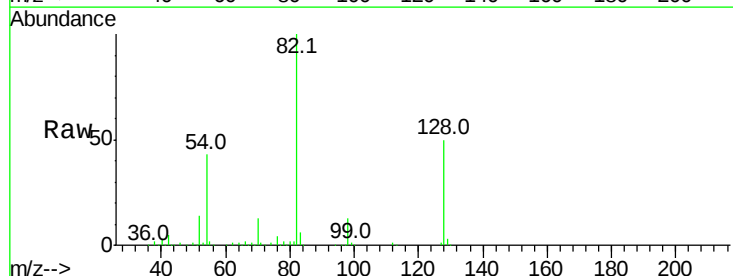
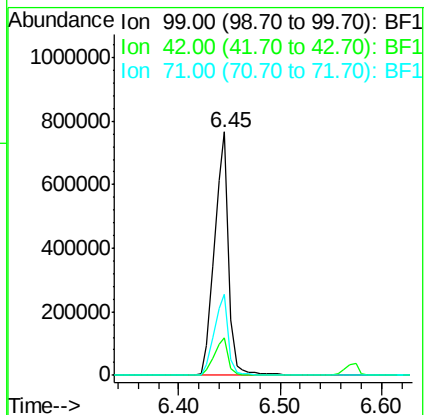
Tot Ion: 99 Resp: 742413

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.745 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Tgt Ion: 70 Resp: 56746

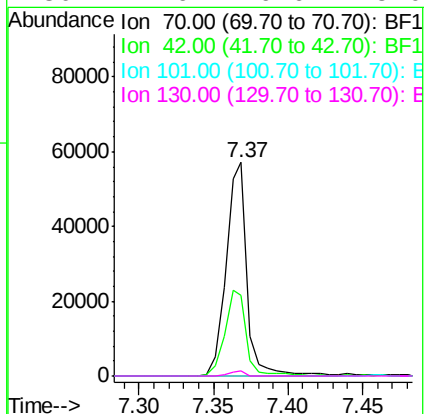
Ion Ratio Lower Upper

70 100

42 37.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 408103

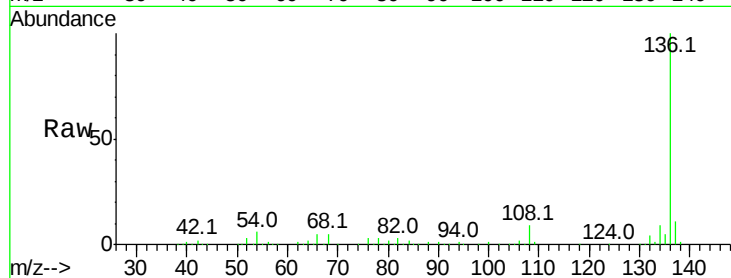
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 5.6 6.6 9.8#

68 5.3 5.0 7.4

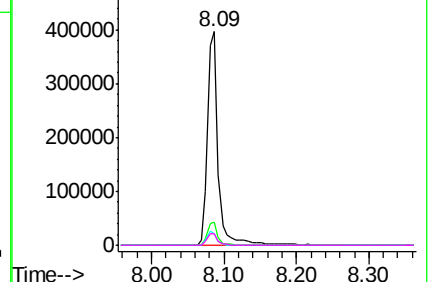
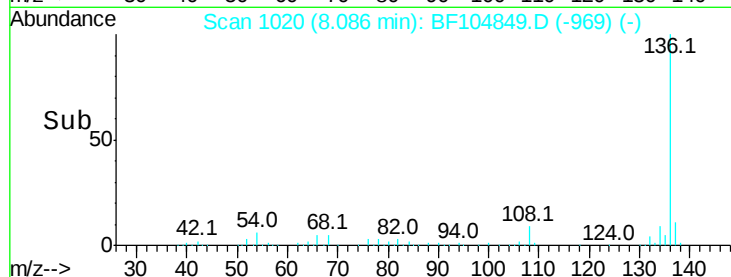


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.736 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

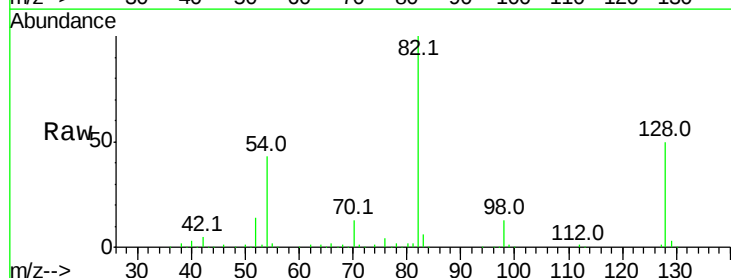
Tgt Ion: 82 Resp: 435840

Ion Ratio Lower Upper

82 100

128 49.7 36.1 54.1

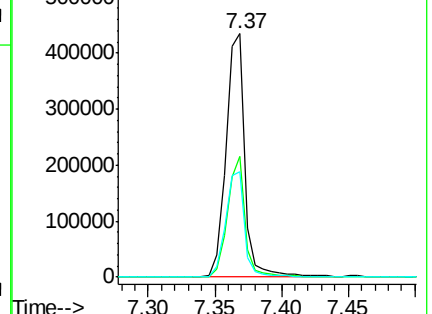
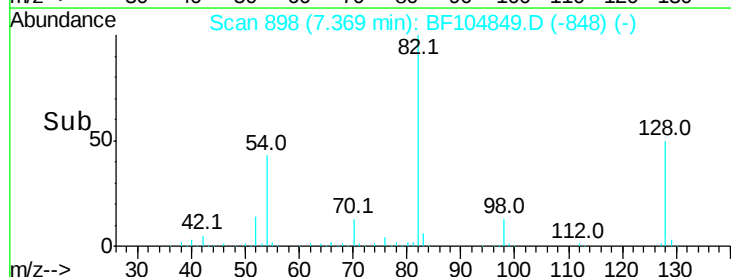
54 43.3 41.4 62.2

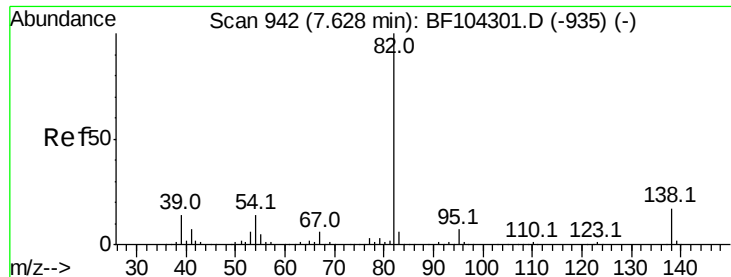


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.977 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

ClientSampled :

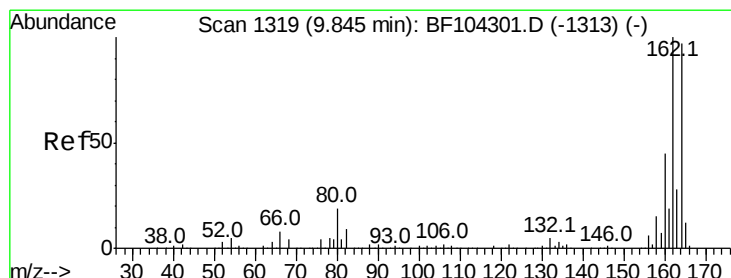
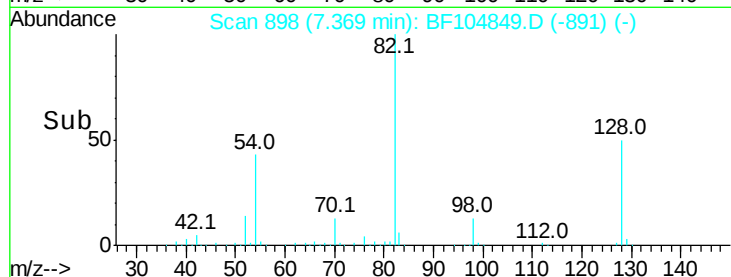
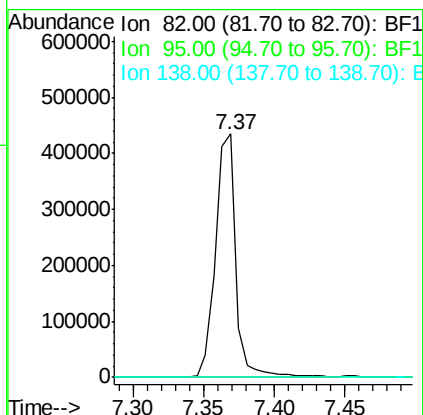
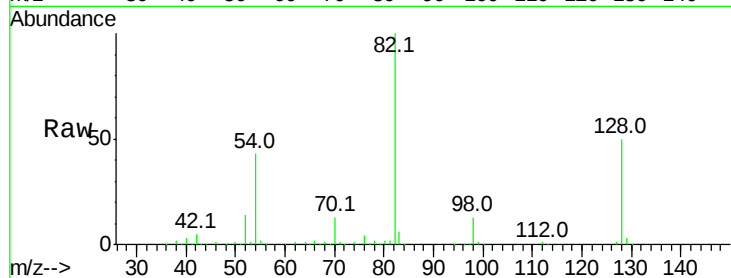
Tot Ion: 82 Resp: 435836

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

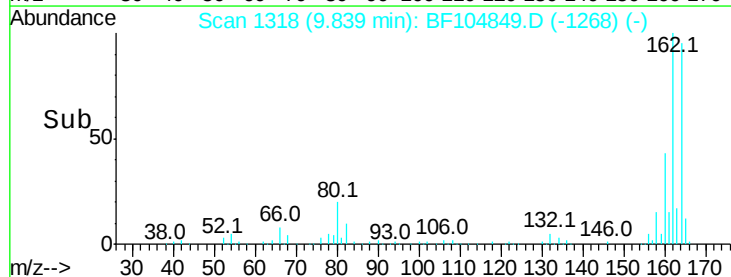
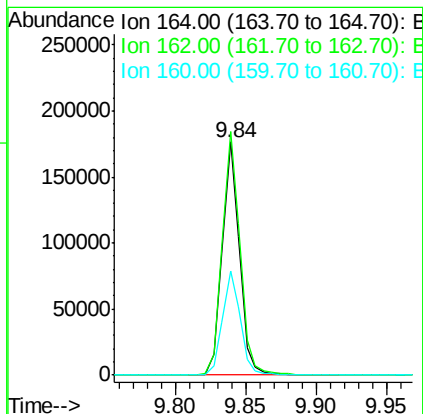
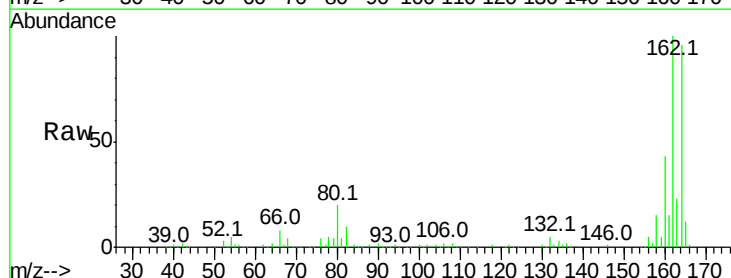
Tgt Ion:164 Resp: 150022

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

160 44.8 38.3 57.5

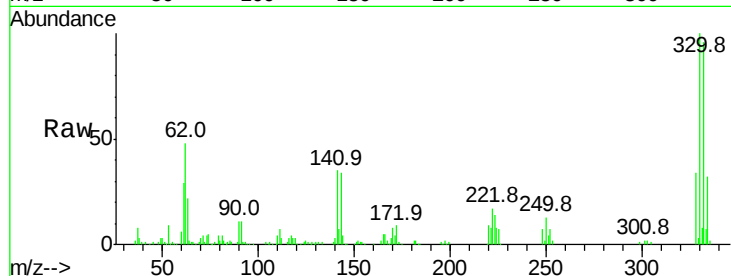




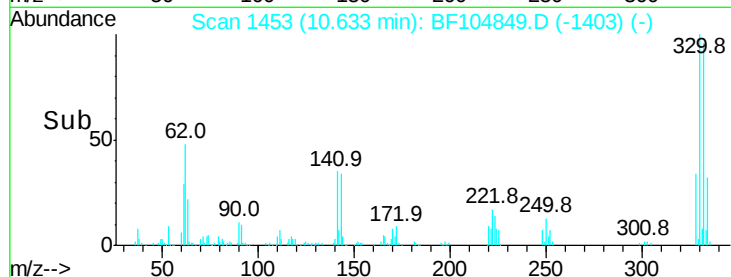
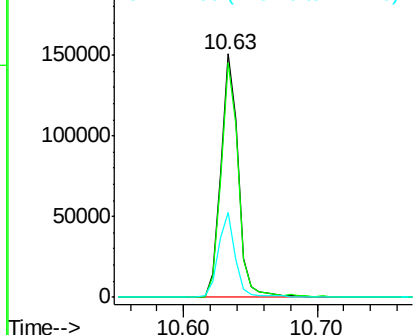
#41
 2,4,6-Tribromophenol
 Concen: 89.680 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	34.4	29.9	44.9

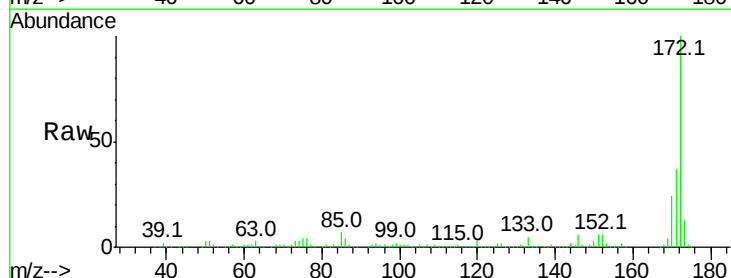


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

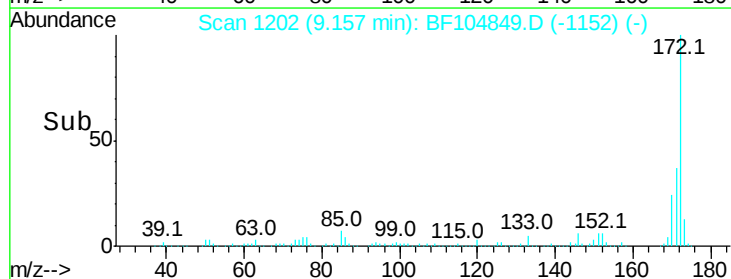
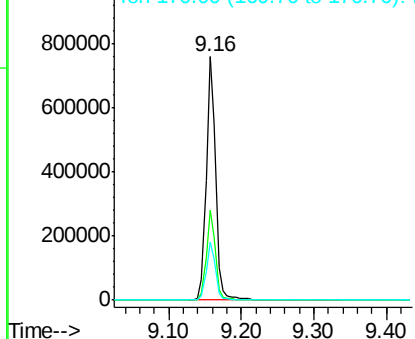


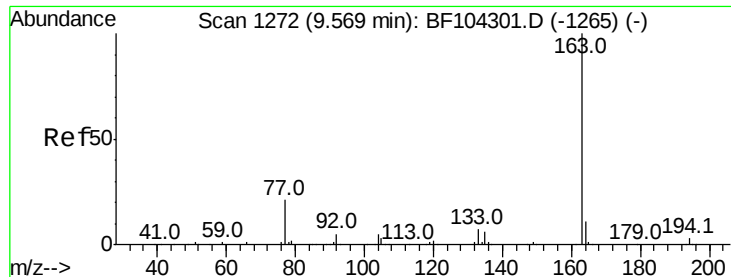
#44
 2-Fluorobiphenyl
 Concen: 72.648 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.0	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

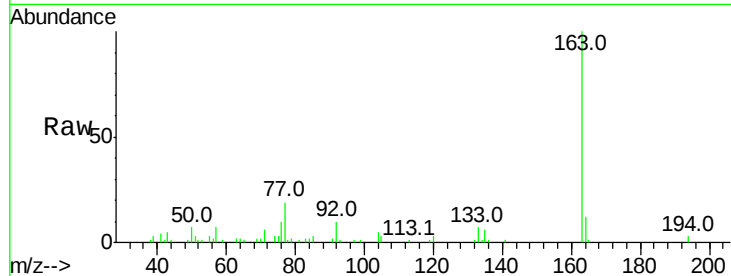




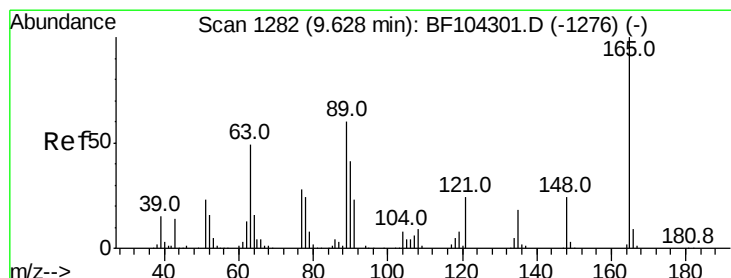
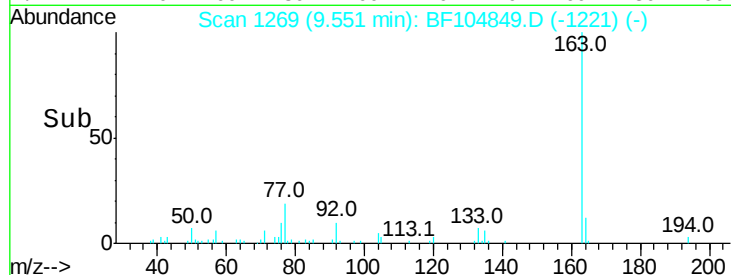
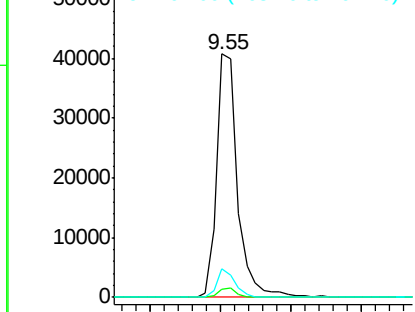
#49
Dimethylphthalate
Concen: 3.558 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 42090
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 11.5 8.2 12.2

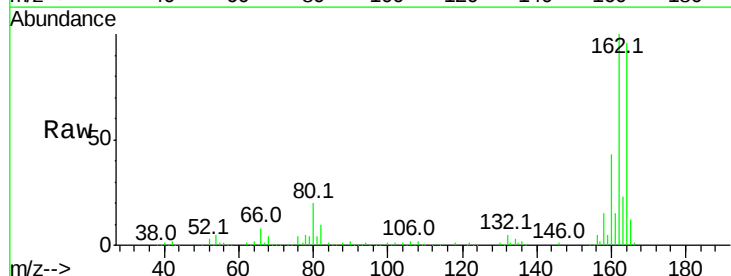


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

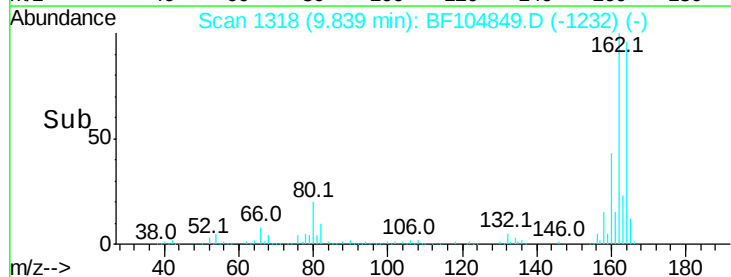
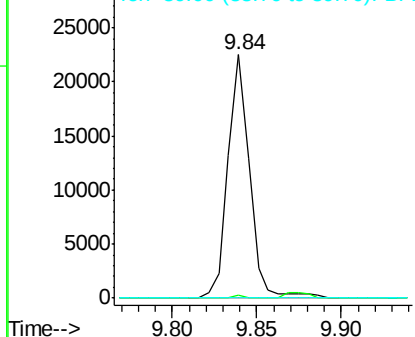


#50
2,6-Dinitrotoluene
Concen: 9.147 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion:165 Resp: 20023
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 0.0 44.0 66.0#



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

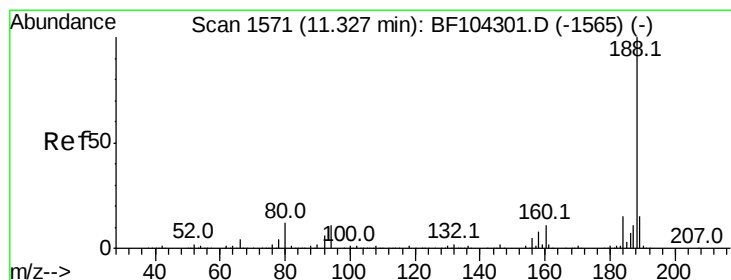
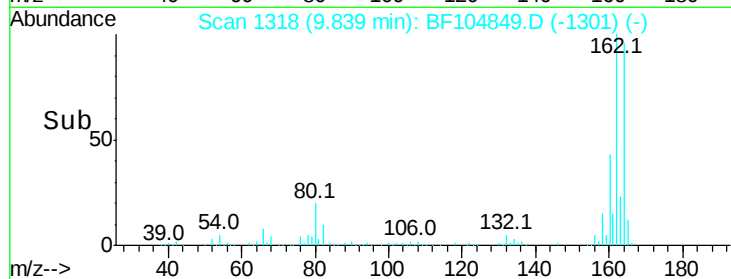
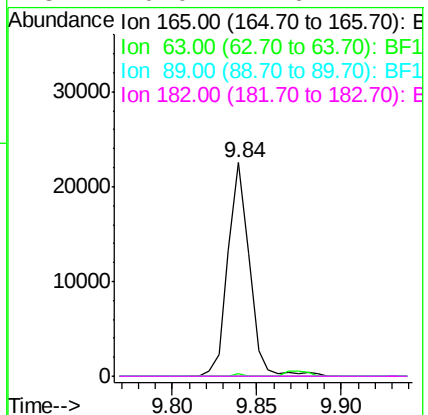
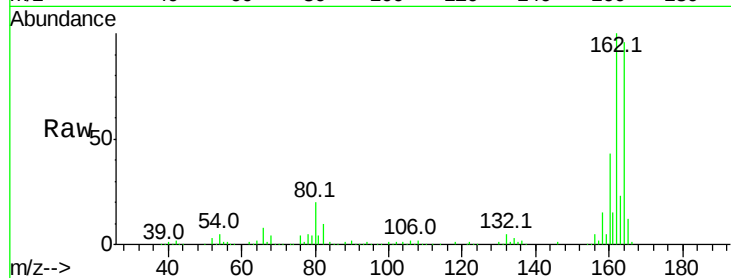




#56
 2,4-Dinitrotoluene
 Concen: 6.973 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

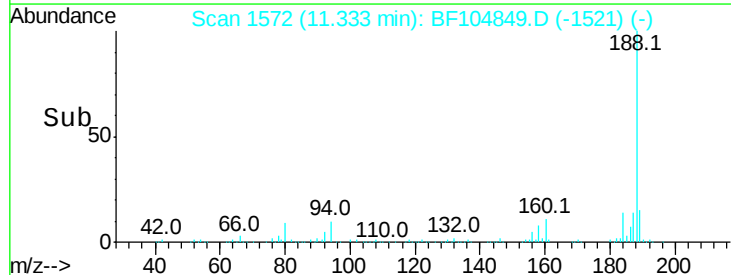
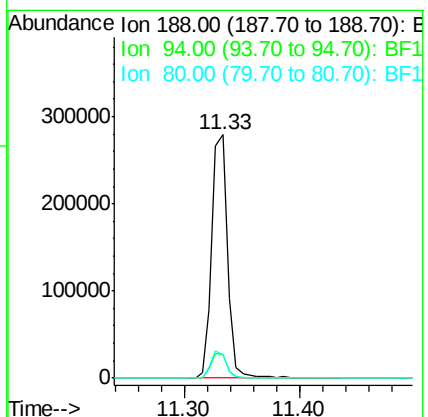
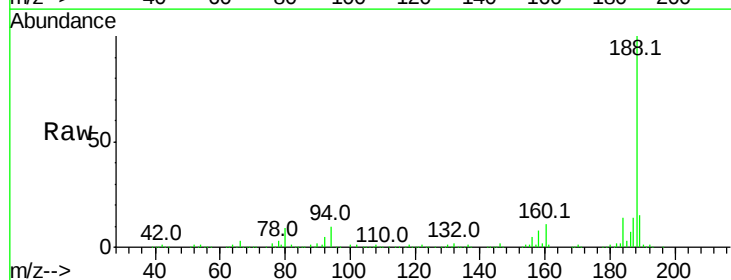
Instrument :
 BNA_F
 ClientSampleId :

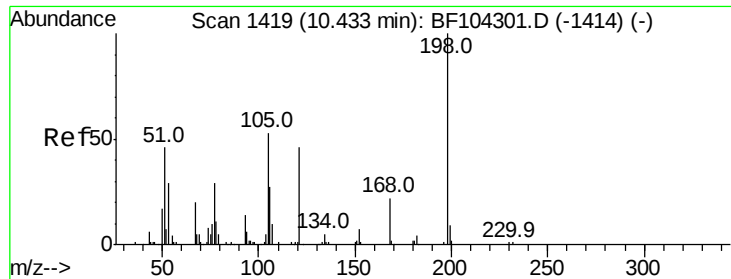
Tot Ion:165 Resp: 20023
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Tgt Ion:188 Resp: 265082
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 9.4 9.2 13.8

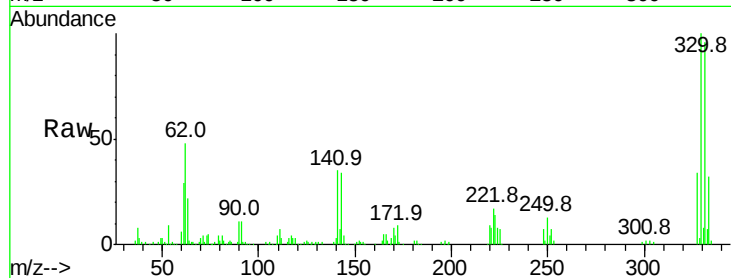




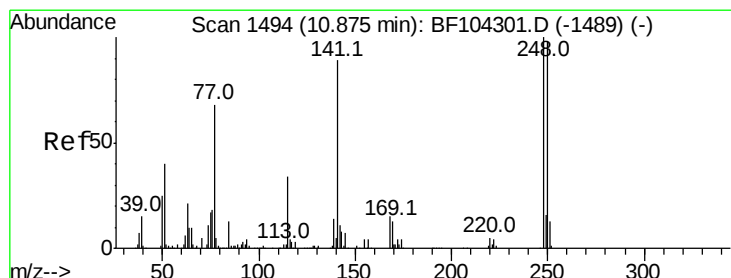
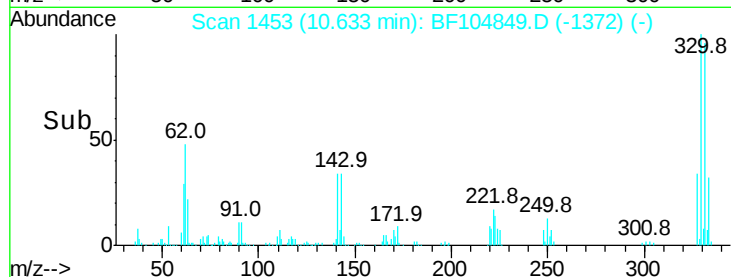
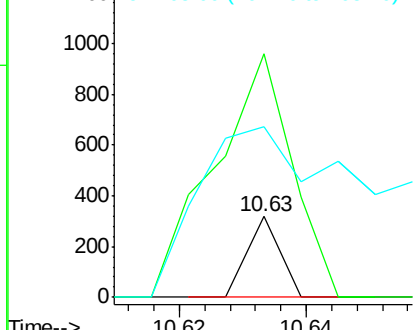
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.421 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 113
 Ion Ratio Lower Upper
 198 100
 51 300.9 37.7 77.7#
 105 210.7 36.3 76.3#

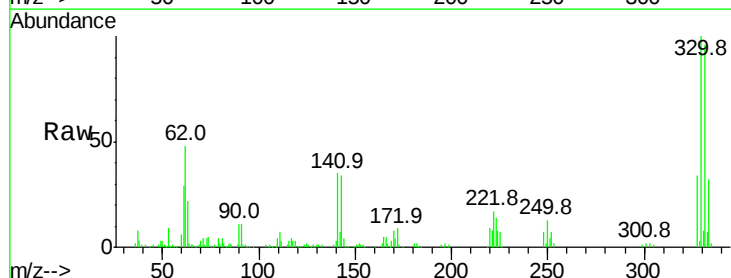


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

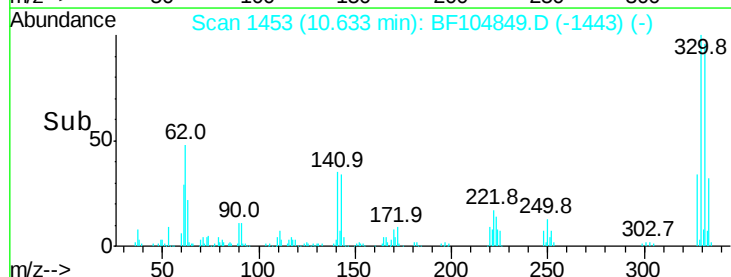
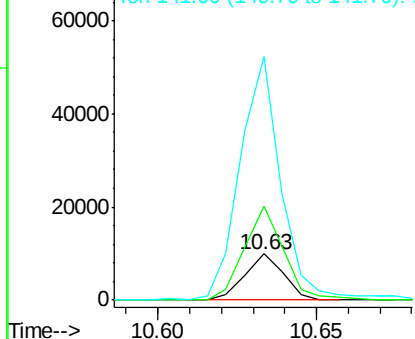


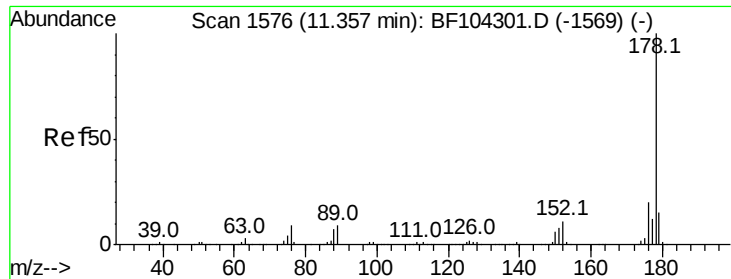
#66
 4-Bromophenyl-phenylether
 Concen: 2.961 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Tgt Ion:248 Resp: 8348
 Ion Ratio Lower Upper
 248 100
 250 202.9 76.9 115.3#
 141 526.9 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

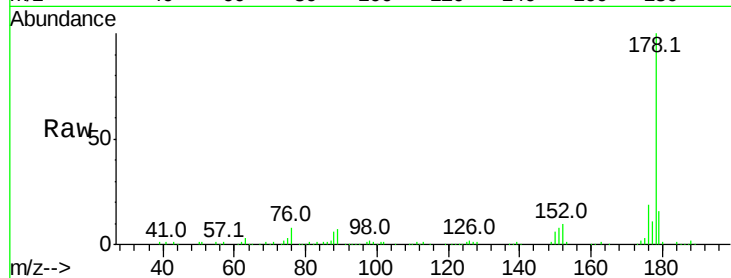




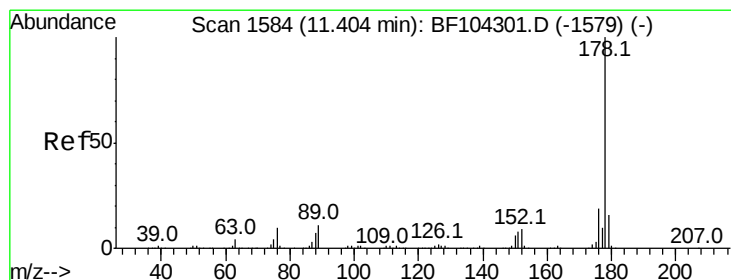
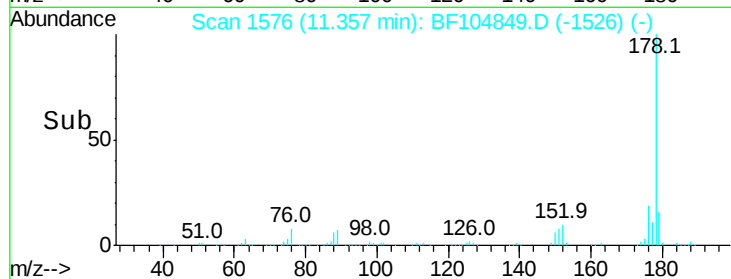
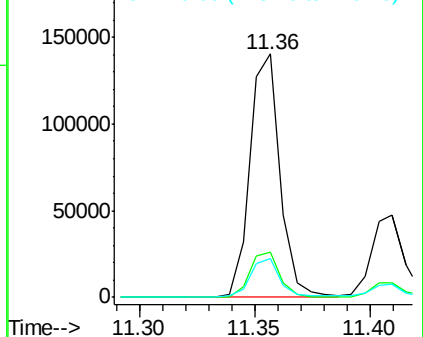
#70
Phenanthrene
Concen: 8.696 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	178	Resp	128366
Ion Ratio	100	Lower	Upper
176	18.8	15.8	23.8
179	15.7	13.0	19.6

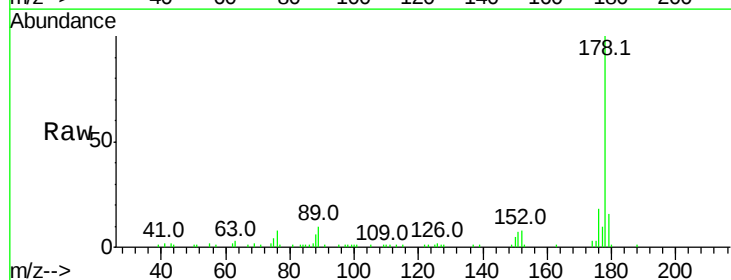


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

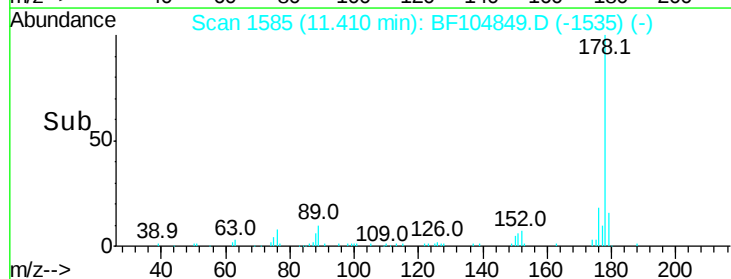
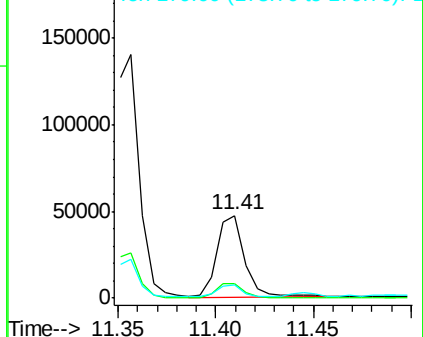


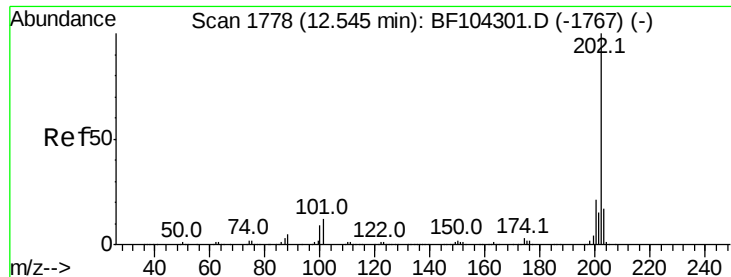
#71
Anthracene
Concen: 3.136 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion	178	Resp	47063
Ion Ratio	100	Lower	Upper
176	17.8	15.4	23.2
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: 20.019 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

ClientSampleId :

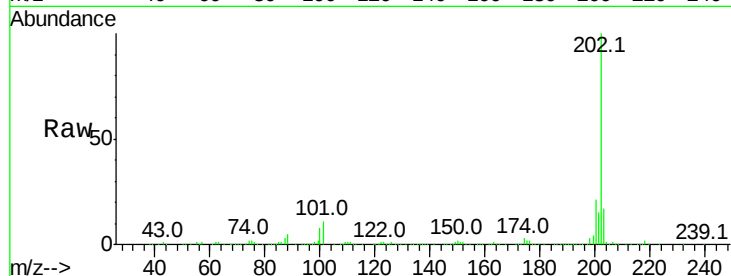
Tot Ion:202 Resp: 308764

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

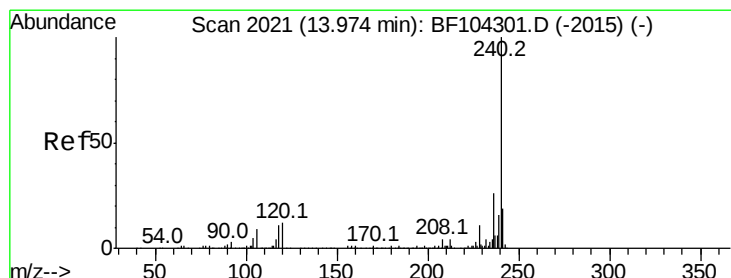
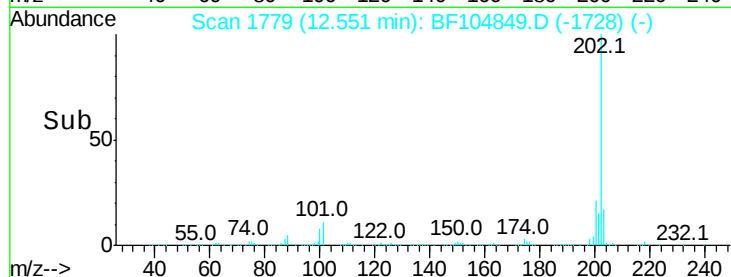
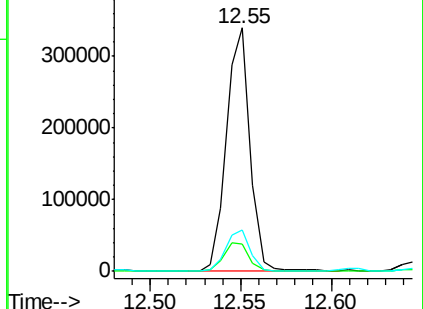
203 17.2 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

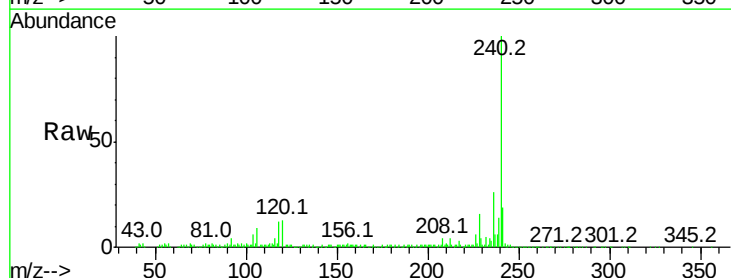
Tgt Ion:240 Resp: 232154

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

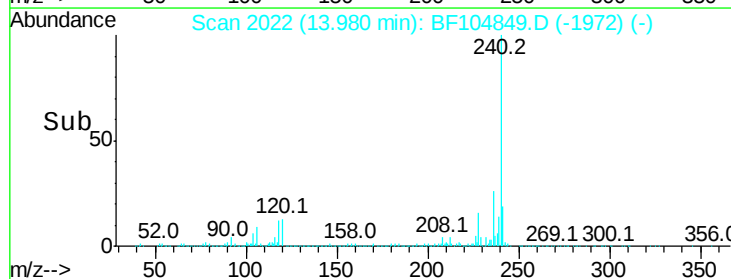
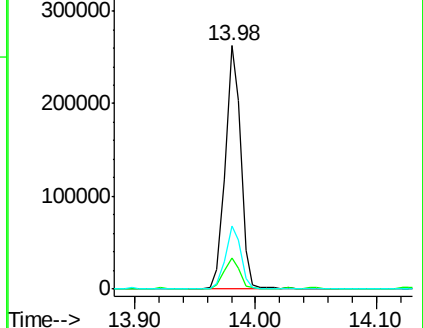
236 25.8 20.7 31.1

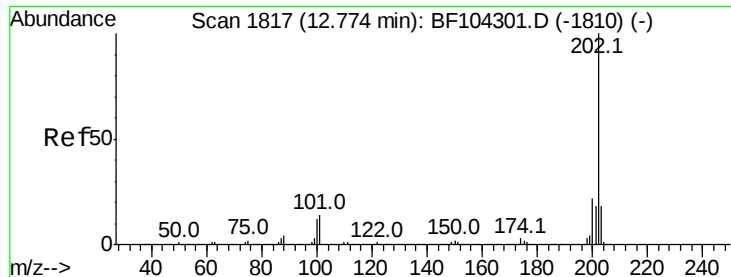


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.643 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

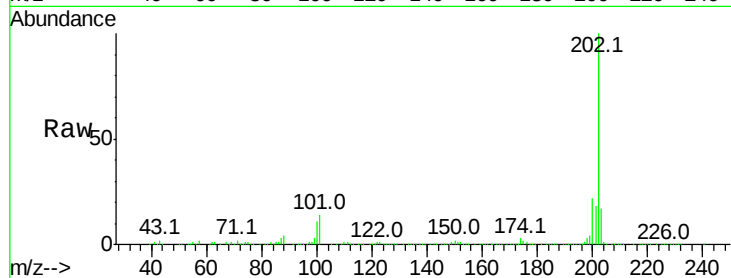
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 286387

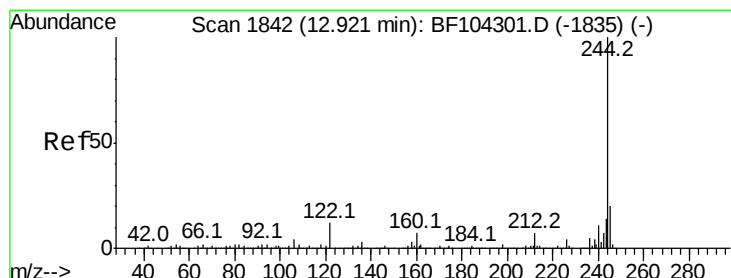
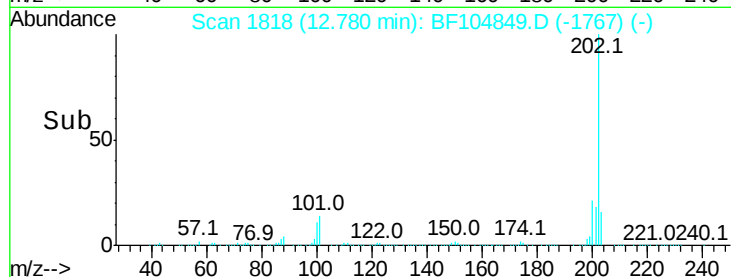
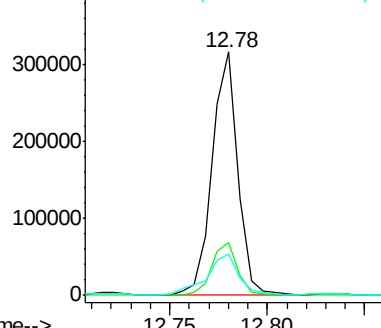
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	16.8	14.3	21.5



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: 61.775 ng

RT: 12.92 min Scan# 1842

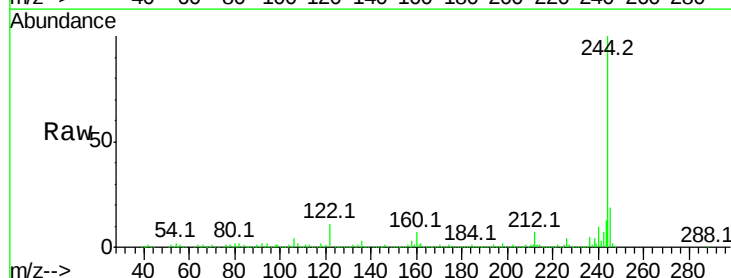
Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Tgt Ion:244 Resp: 629049

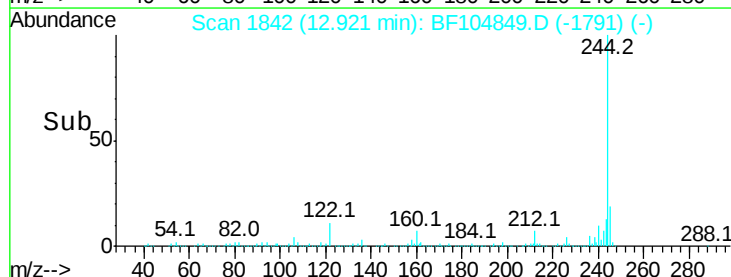
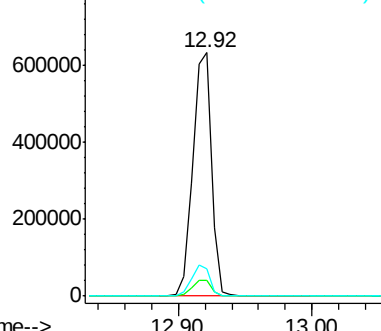
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.1	11.0	16.4

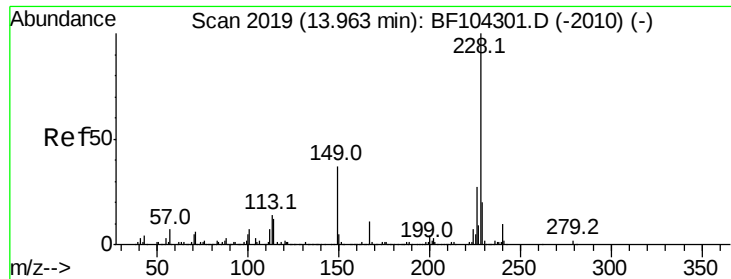


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

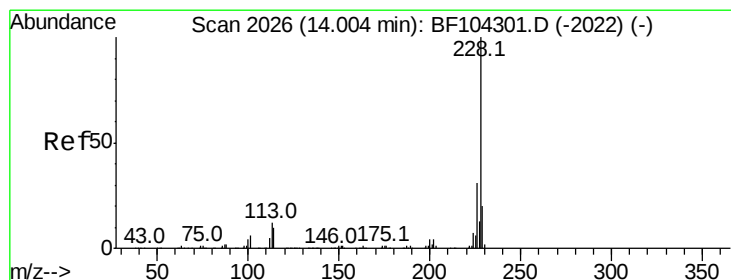
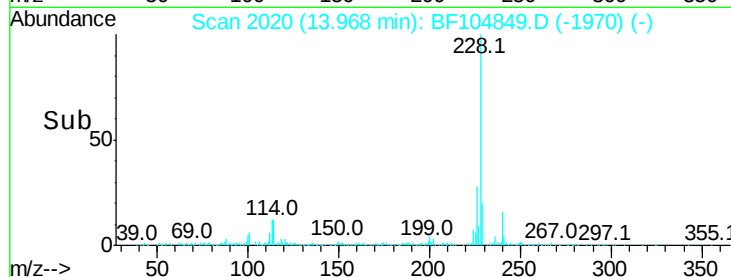
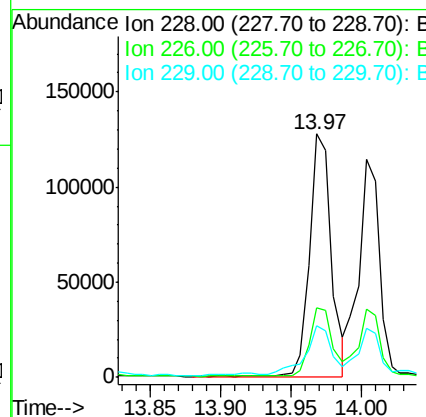
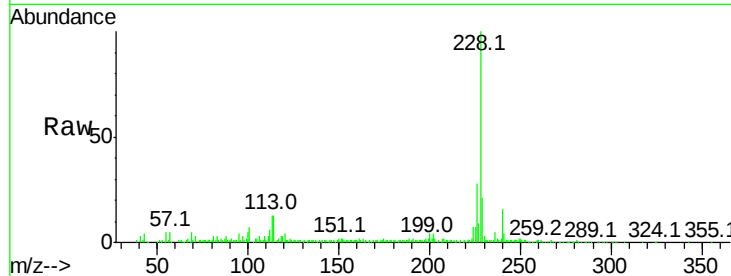




#80
Benzo(a)anthracene
Concen: 9.797 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

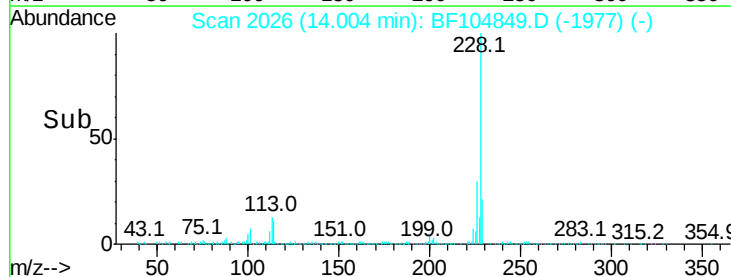
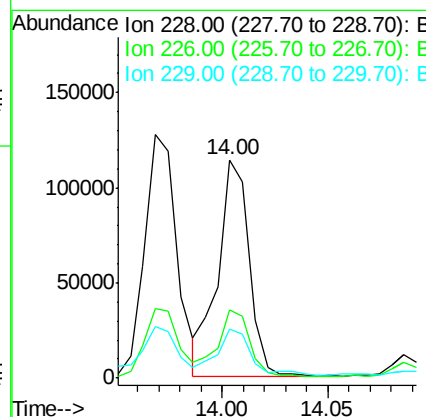
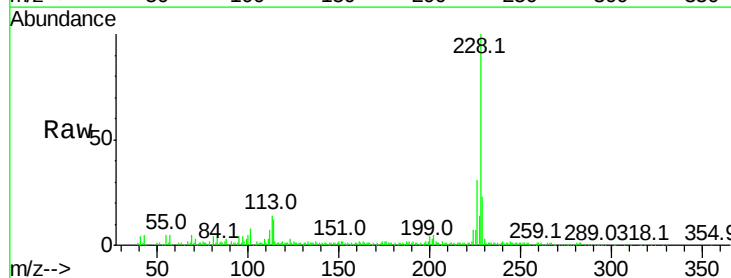
Instrument :
BNA_F
ClientSampleId :

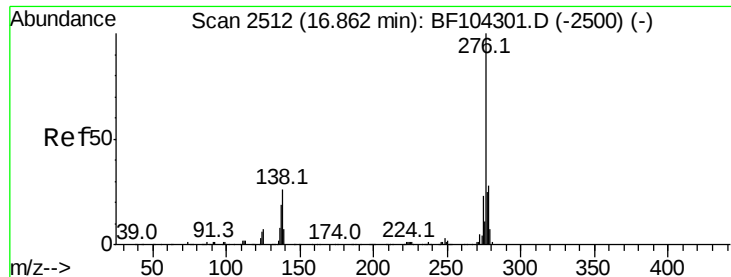
Tot Ion:228 Resp: 135876
Ion Ratio Lower Upper
228 100
226 28.5 22.6 33.8
229 21.0 15.8 23.6



#82
Chrysene
Concen: 8.298 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion:228 Resp: 118206
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 22.7 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.032 ng

RT: 16.92 min Scan# 2521

Delta R.T. -0.02 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

ClientSampled :

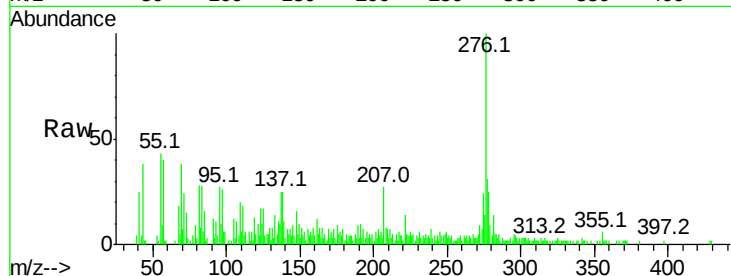
Tot Ion:276 Resp: 36689

Ion Ratio Lower Upper

276 100

138 23.4 25.0 37.6#

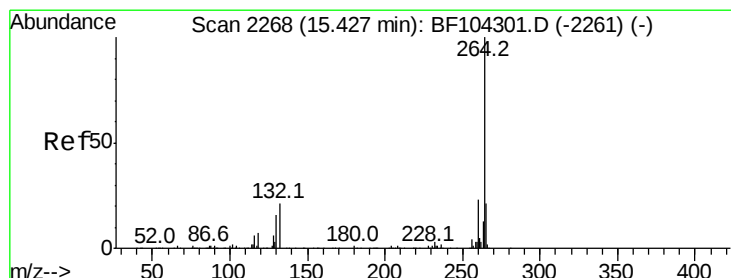
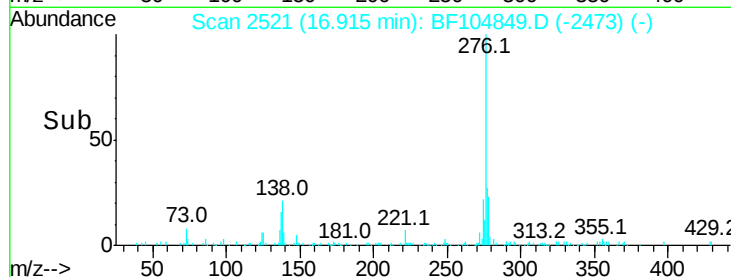
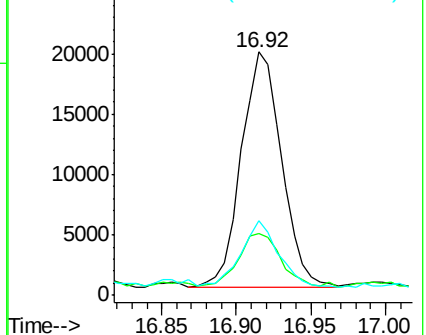
277 26.5 20.1 30.1



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: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

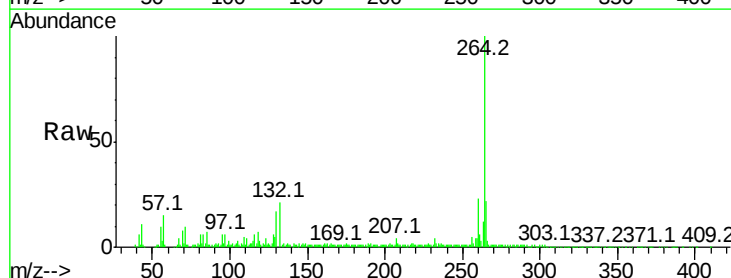
Tgt Ion:264 Resp: 159137

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

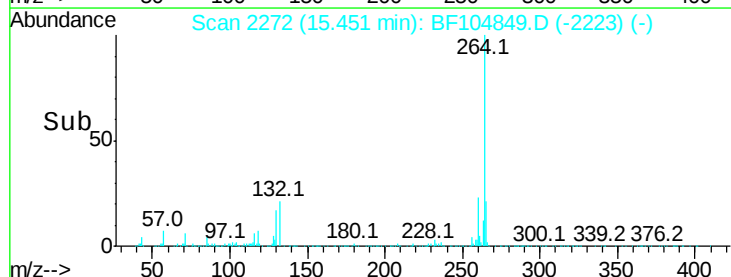
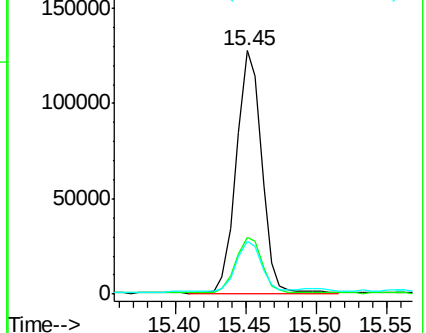
265 21.7 17.5 26.3

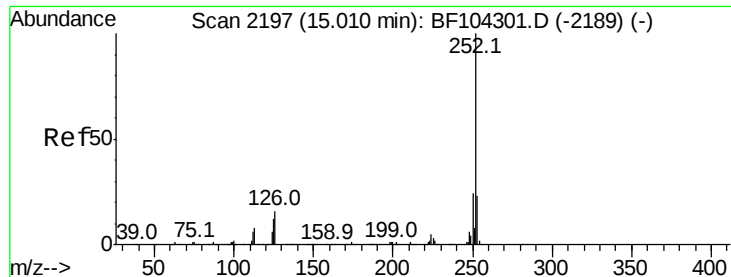


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.088 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

ClientSampleId :

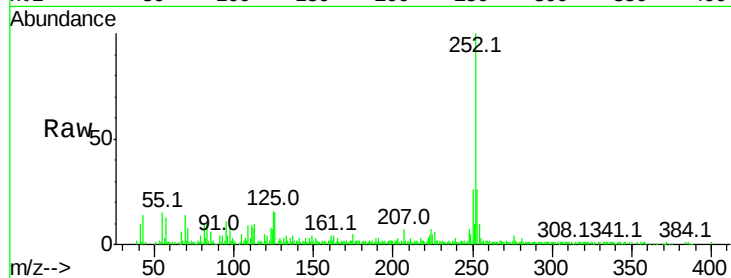
Tot Ion:252 Resp: 141599

Ion Ratio Lower Upper

252 100

253 26.1 17.0 25.6#

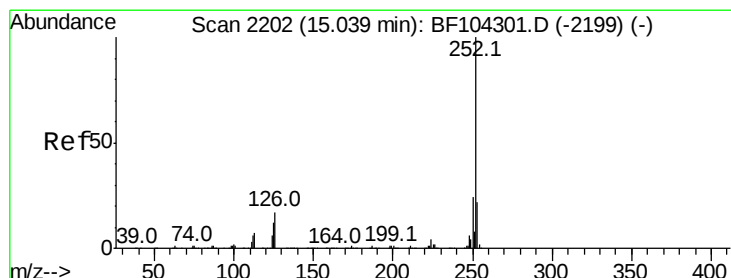
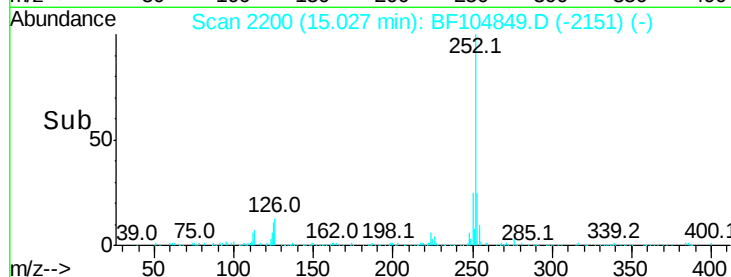
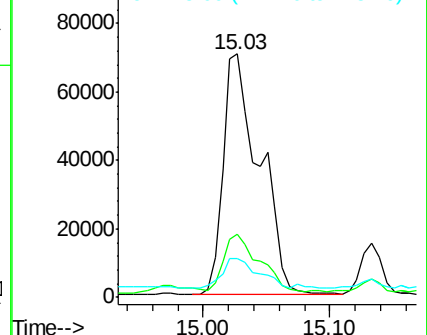
125 15.7 9.0 13.6#



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: 14.923 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

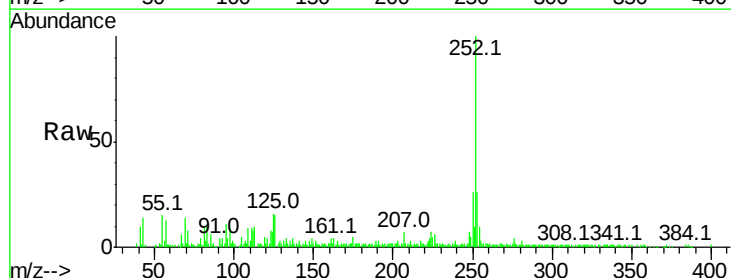
Tgt Ion:252 Resp: 141599

Ion Ratio Lower Upper

252 100

253 26.1 17.9 26.9

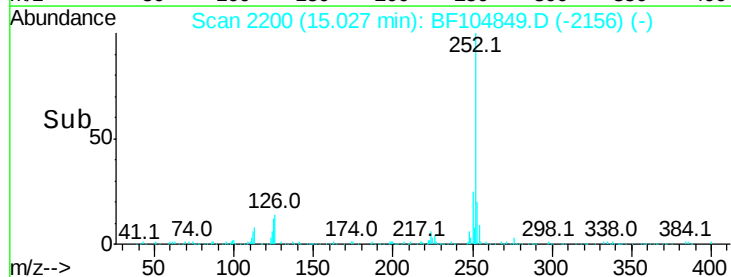
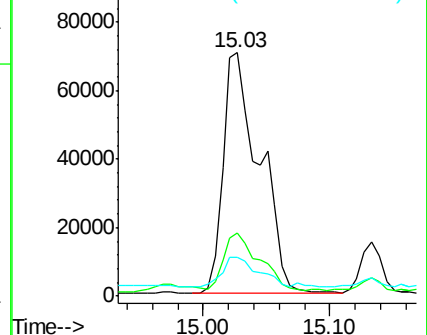
125 15.7 10.2 15.2#

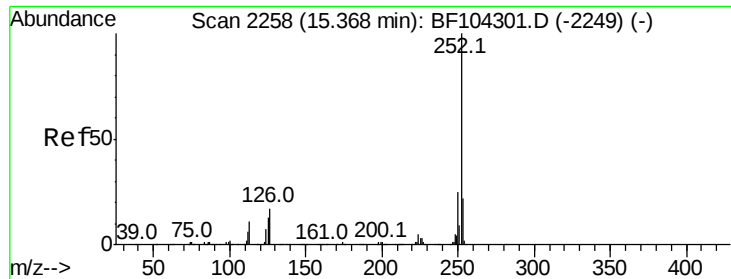


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

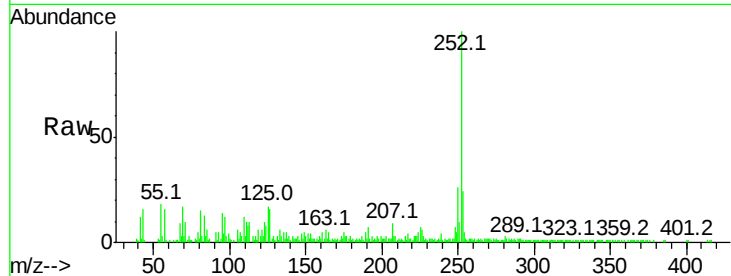




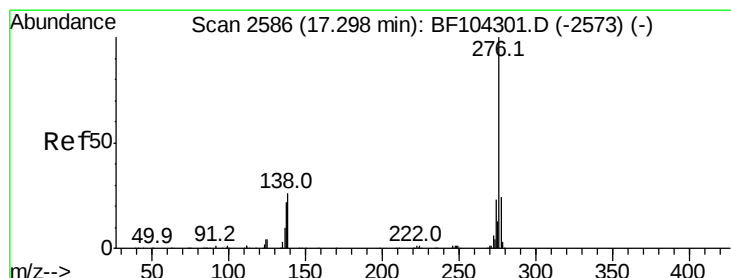
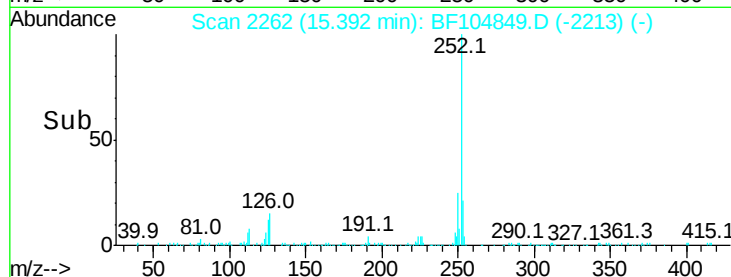
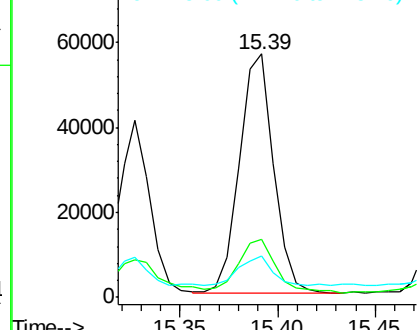
#89
Benzo(a)pyrene
Concen: 7.675 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 69023
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 16.8 9.8 14.6#

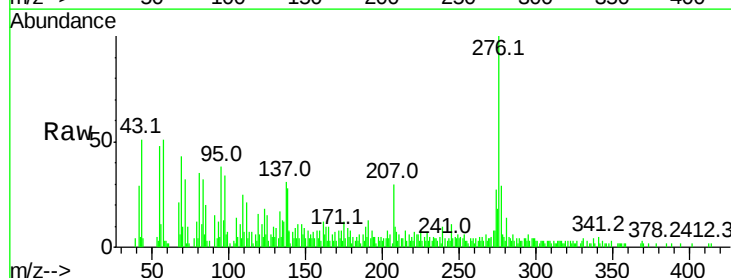


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.758 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion:276 Resp: 34044
Ion Ratio Lower Upper
276 100
277 28.5 17.9 26.9#
138 35.4 21.8 32.8#



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

