

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104528.D
 Acq On : 16 Apr 2018 12:33
 Operator : JU/SJ
 Sample : J2166-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-041218

Quant Time: Apr 16 13:43:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

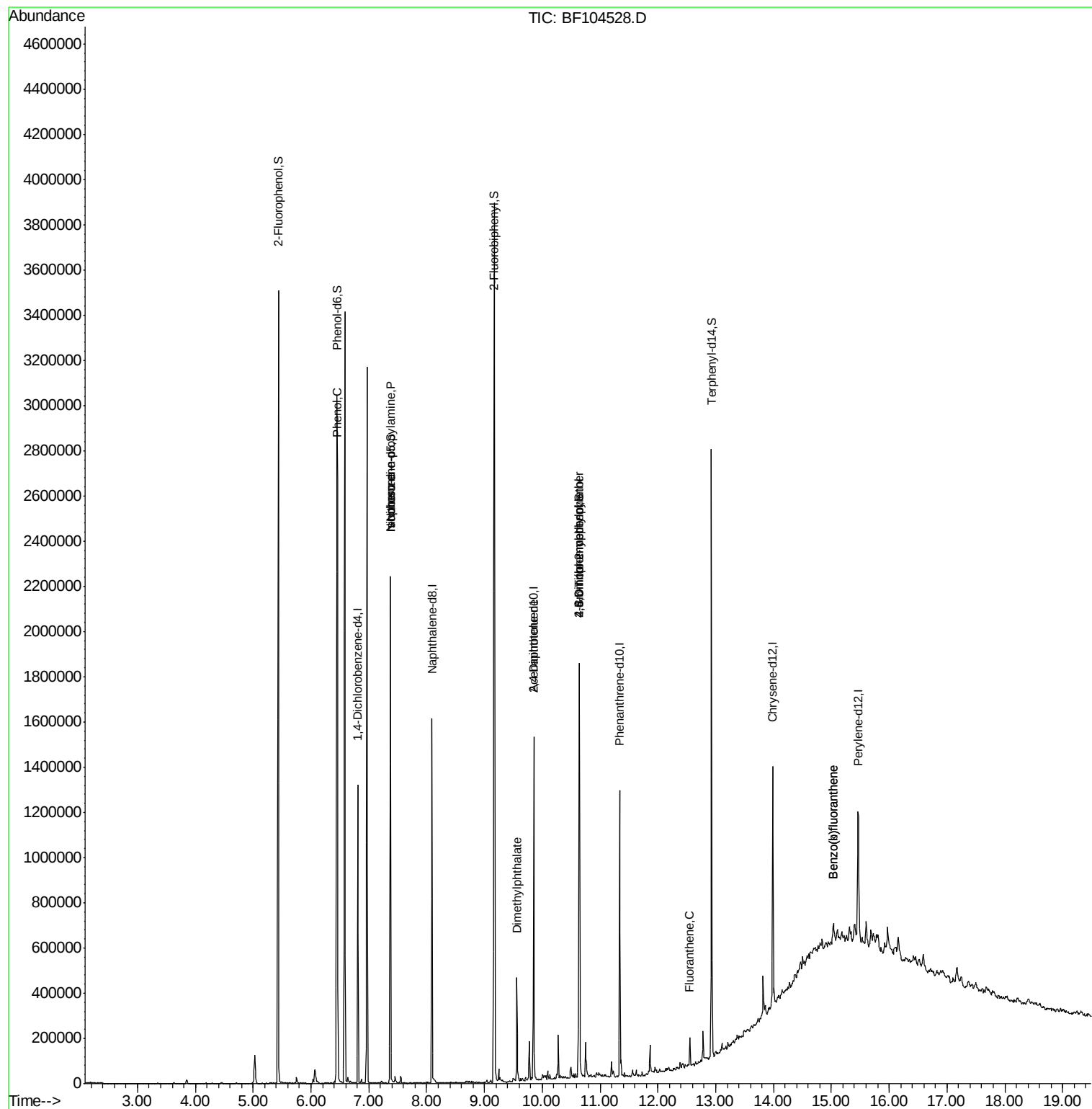
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	172857	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	679159	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	277630	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	408312	20.00	ng	0.00
75) Chrysene-d12	13.99	240	351738	20.00	ng	0.00
86) Perylene-d12	15.46	264	272348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1066785	94.37	ng	0.01
7) Phenol-d6	6.45	99	1329174	95.69	ng	0.00
23) Nitrobenzene-d5	7.37	82	817937	78.64	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	250528	86.99	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1275119	72.56	ng	0.00
78) Terphenyl-d14	12.93	244	928366	60.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	2190	Below Cal	Qvalue	# 1
10) Phenol	6.46	94	51824	3.516	ng	# 97
19) n-Nitroso-di-n-propylamine	7.37	70	106642	11.749	ng	# 75
25) Isophorone	7.37	82	817928	37.188	ng	# 64
49) Dimethylphthalate	9.56	163	164206	7.500	ng	# 99
56) 2,4-Dinitrotoluene	9.85	165	35719	6.722	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	482	7.552	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	14936	3.439	ng	# 1
74) Fluoranthene	12.55	202	50498	2.126	ng	# 98
76) Benzidine	12.73	184	398	Below Cal	Qvalue	# 1
87) Benzo(b)fluoranthene	15.03	252	45129	2.624	ng	# 73
88) Benzo(k)fluoranthene	15.03	252	45129	2.779	ng	# 76

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

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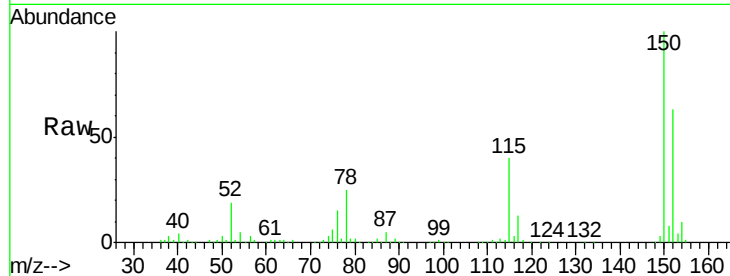


#1

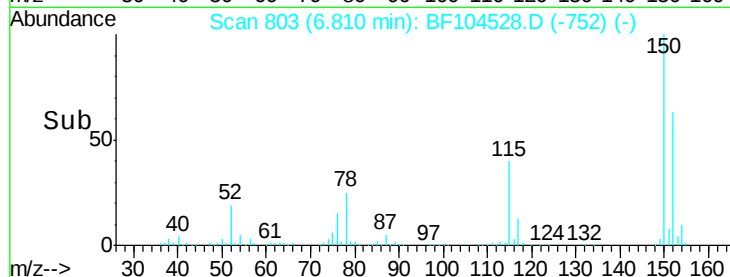
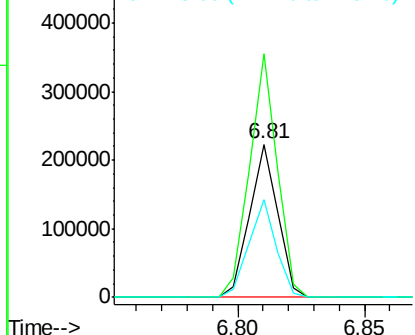
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

Instrument :
BNA_F
ClientSampleId :
TR-04-041218

Tot Ion:152 Resp: 172857
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 63.9 50.1 75.1



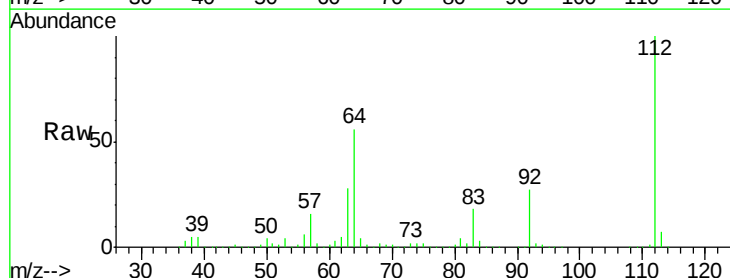
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



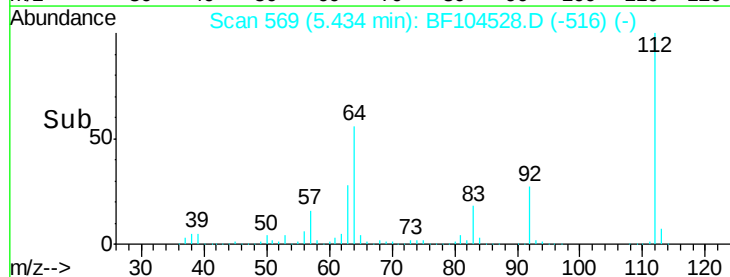
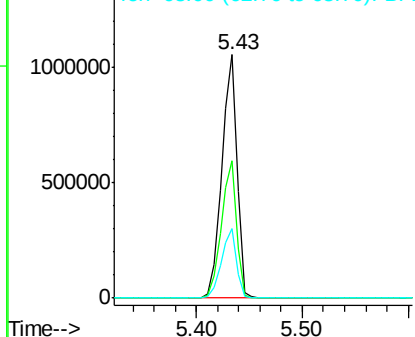
#5

2-Fluorophenol
Concen: 94.366 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

Tgt Ion:112 Resp: 1066785
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 28.4 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: 95.693 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

Instrument :

BNA_F

ClientSampleId :

TR-04-041218

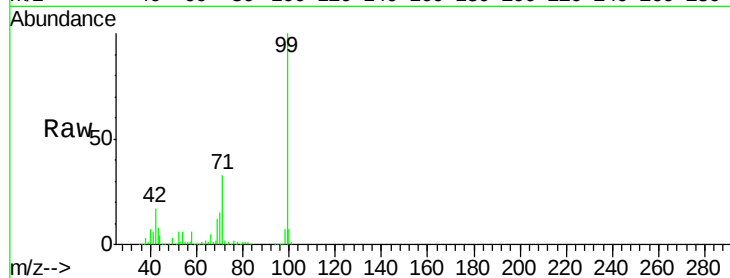
Tot Ion: 99 Resp: 1329174

Ion Ratio Lower Upper

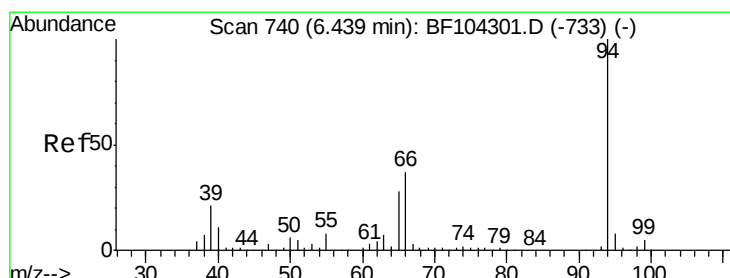
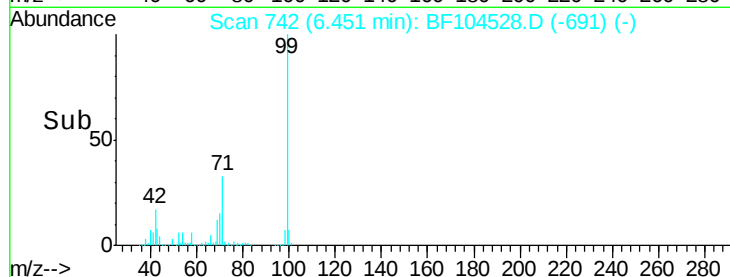
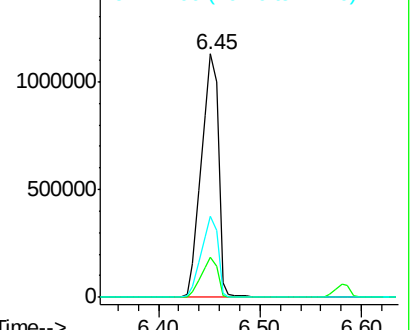
99 100

42 16.5 14.5 21.7

71 33.5 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



#10

Phenol

Concen: 3.516 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

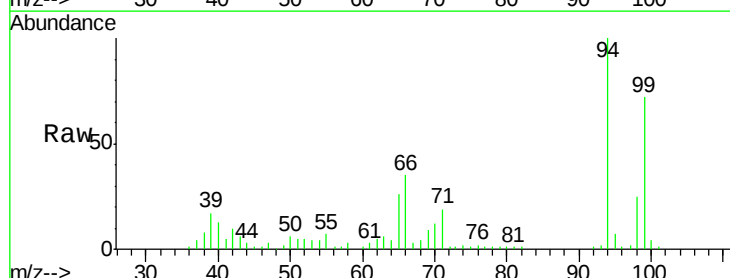
Tgt Ion: 94 Resp: 51824

Ion Ratio Lower Upper

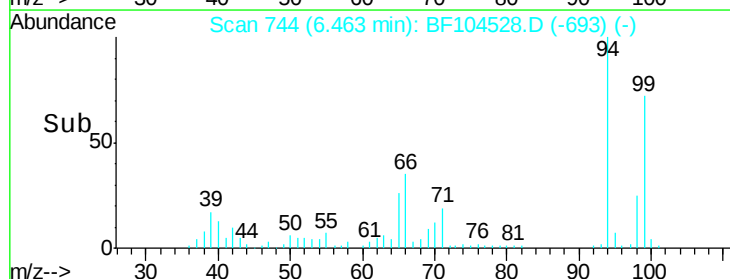
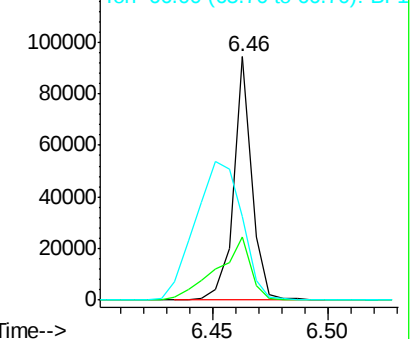
94 100

65 26.1 7.9 47.9

66 34.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

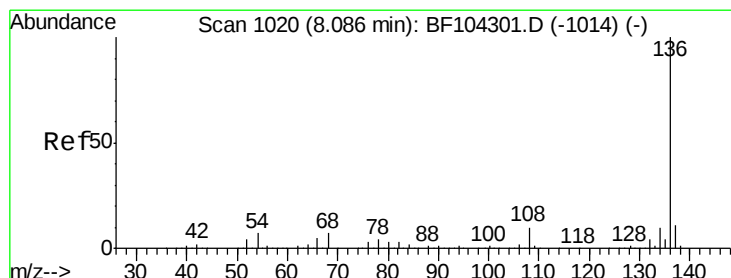
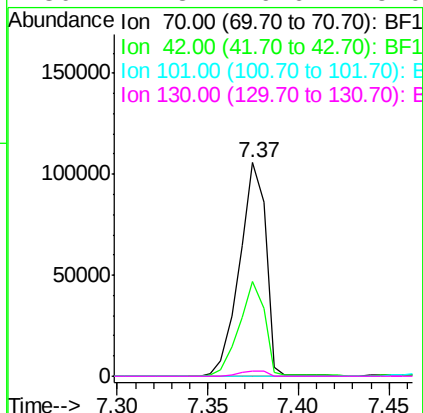
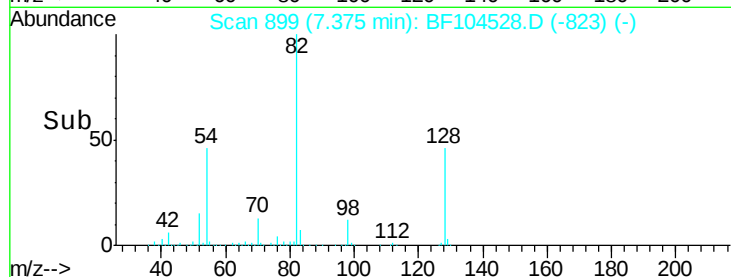
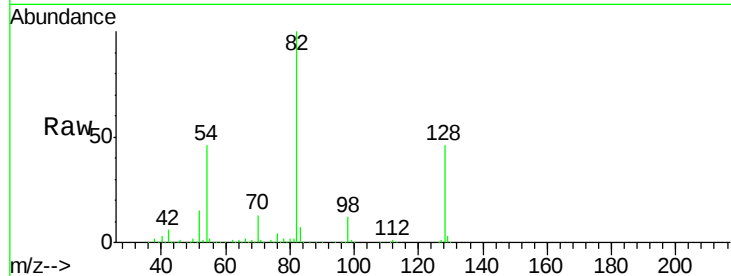




#19
n-Nitroso-di-n-propylamine
Concen: 11.749 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

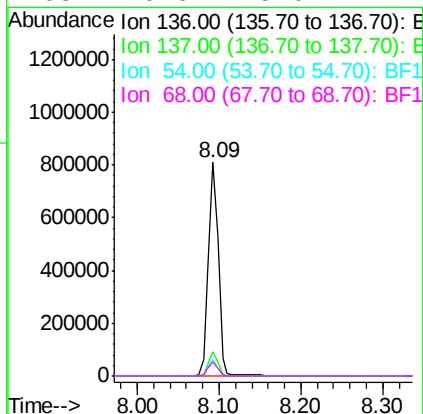
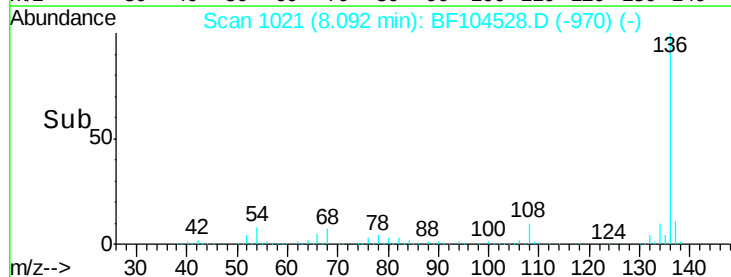
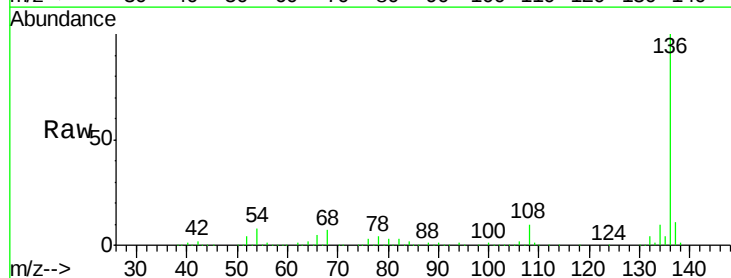
Instrument :
BNA_F
ClientSampleId :
TR-04-041218

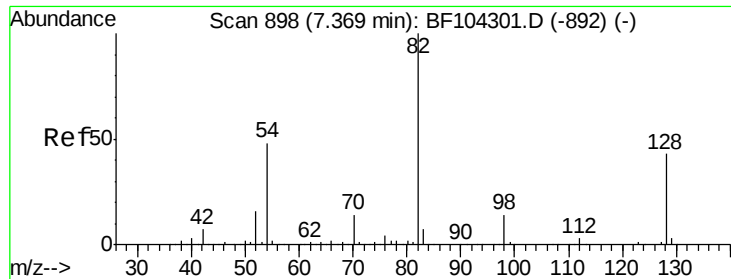
Tot Ion: 70 Resp: 106642
Ion Ratio Lower Upper
70 100
42 44.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

Tgt Ion:136 Resp: 679159
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 6.6 9.8
68 6.6 5.0 7.4

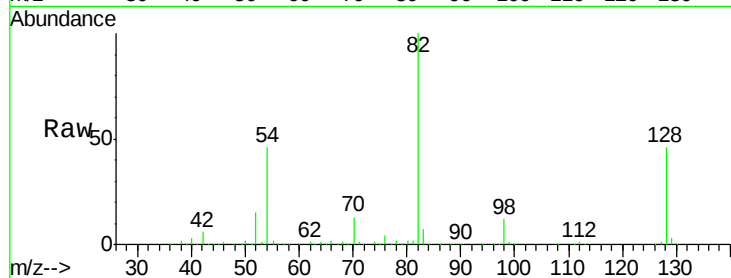




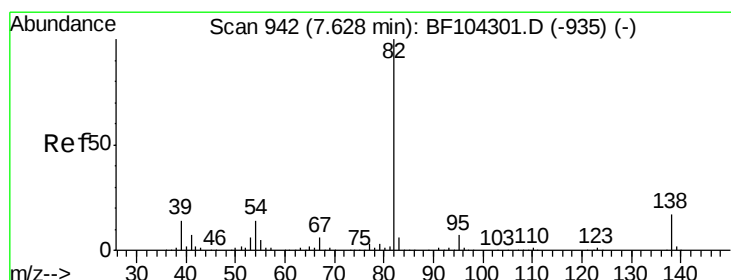
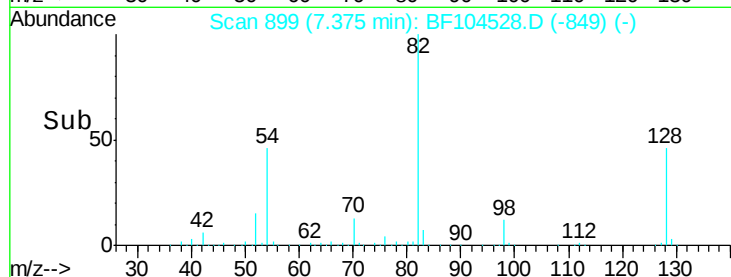
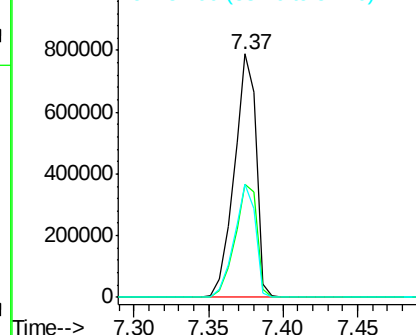
#23
 Nitrobenzene-d5
 Concen: 78.641 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF104528.D
 Acq: 16 Apr 2018 12:33

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-041218

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	46.4	41.4	62.2

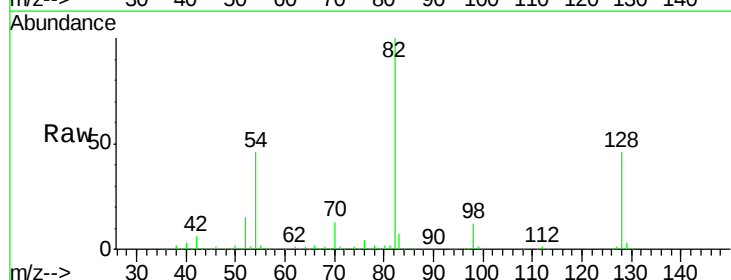


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

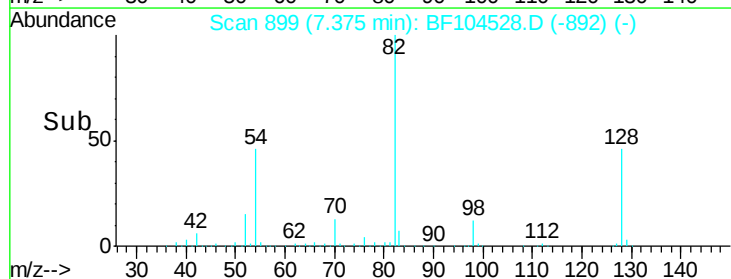
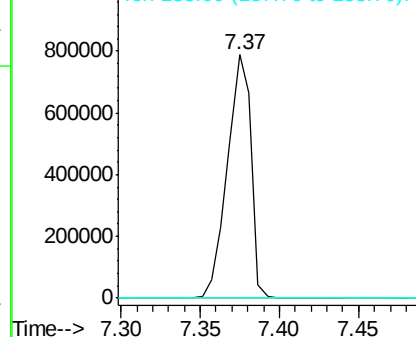


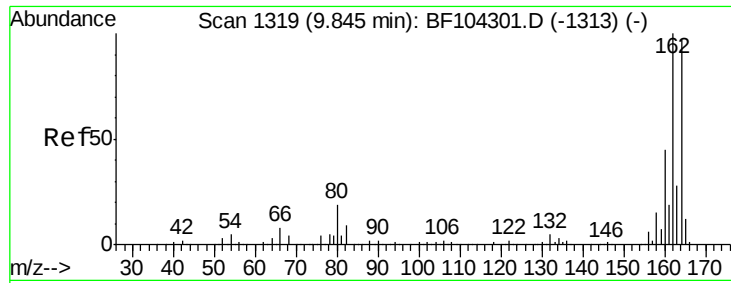
#25
 Isophorone
 Concen: 37.188 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.26 min
 Lab File: BF104528.D
 Acq: 16 Apr 2018 12:33

Tgt 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

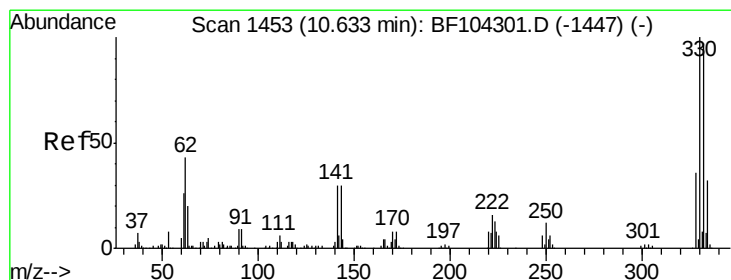
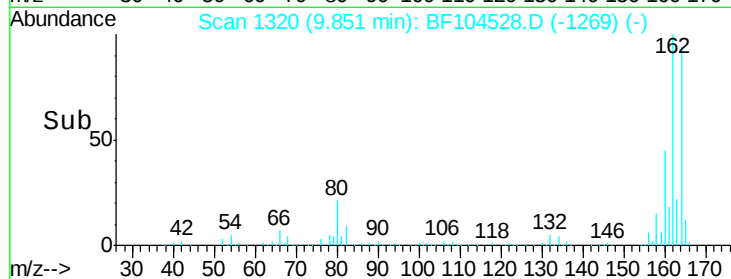
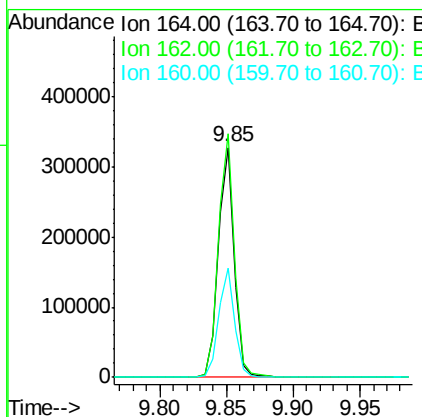
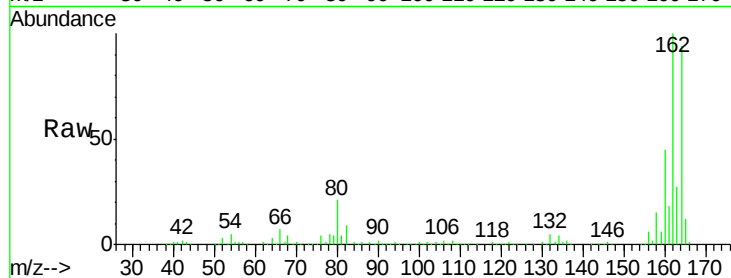




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF104528.D
 Acq: 16 Apr 2018 12:33

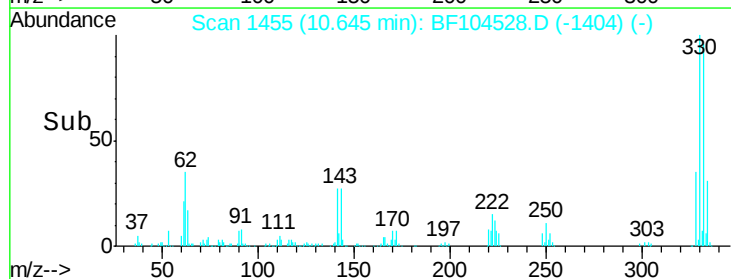
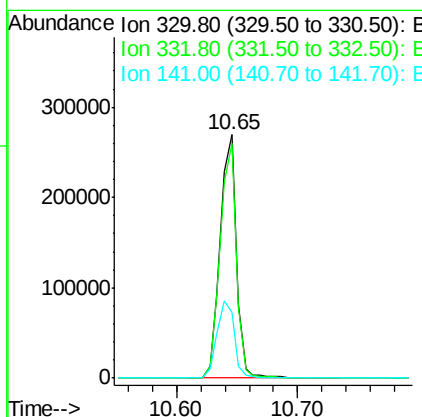
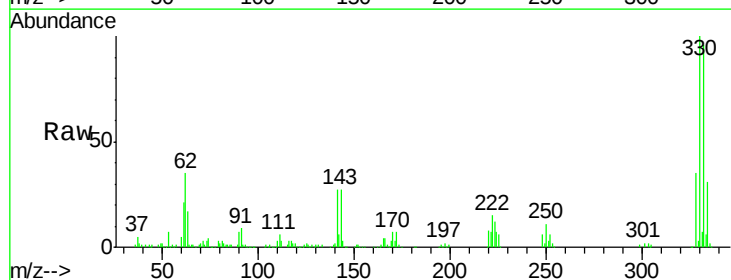
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 TR-04-041218

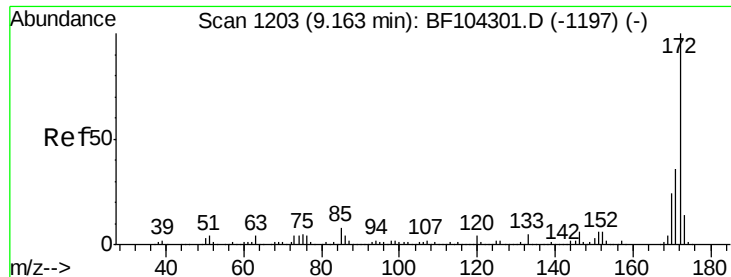
Tot Ion:164 Resp: 277630
 Ion Ratio Lower Upper
 164 100
 162 106.0 86.1 129.1
 160 47.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 86.991 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104528.D
 Acq: 16 Apr 2018 12:33

Tgt Ion:330 Resp: 250528
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 34.1 29.9 44.9

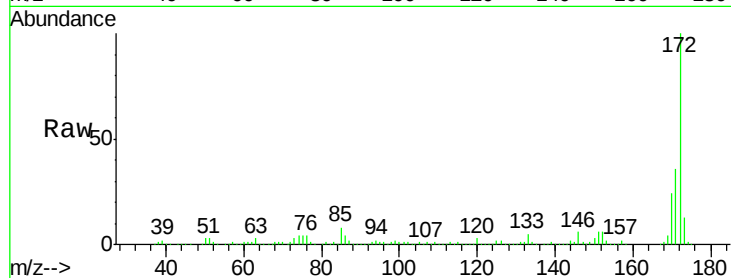




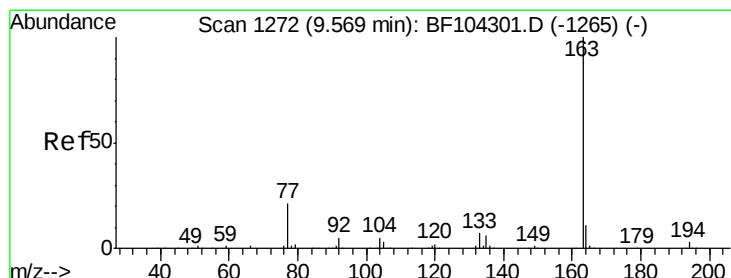
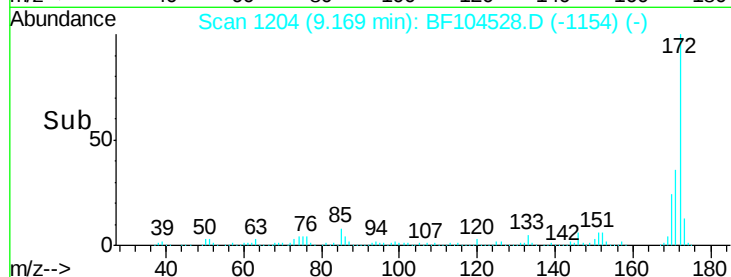
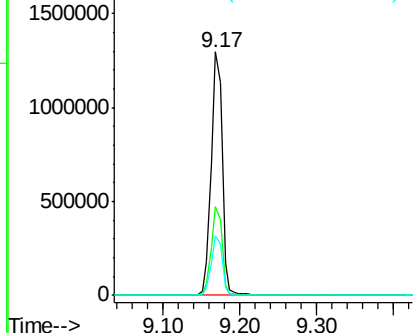
#44
2-Fluorobiphenyl
Concen: 72.556 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

Instrument :
BNA_F
ClientSampleId :
TR-04-041218

Tot Ion:172 Resp: 1275119
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.2 19.6 29.4

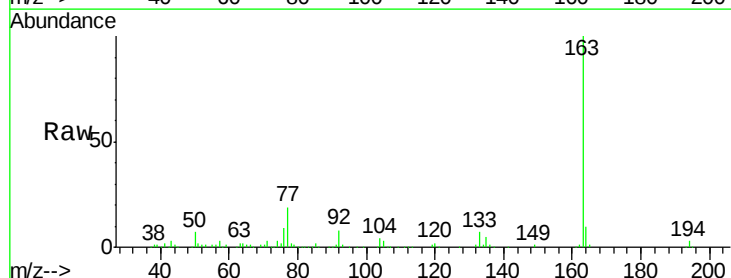


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

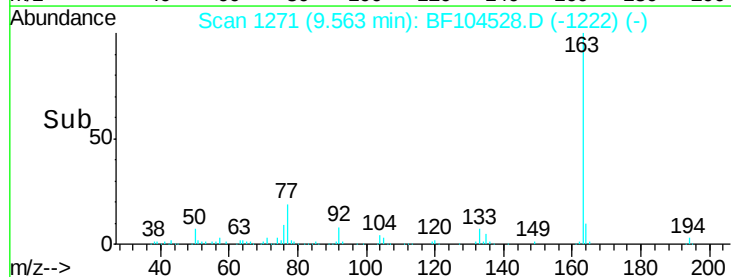
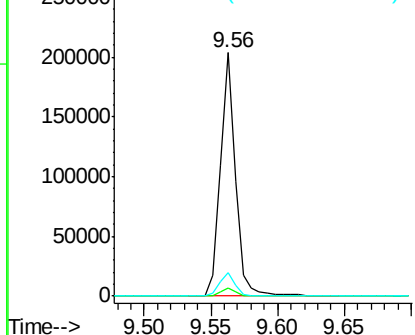


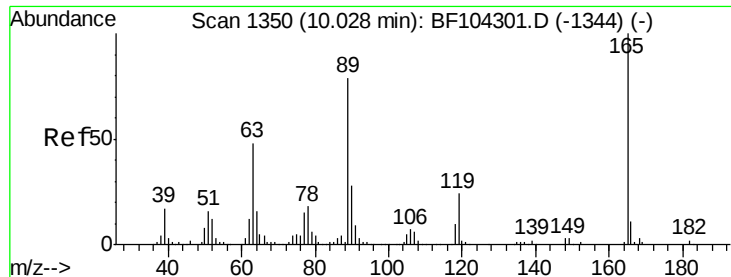
#49
Dimethylphthalate
Concen: 7.500 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

Tgt Ion:163 Resp: 164206
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.6 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: 6.722 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

Instrument :

BNA_F

ClientSampleId :

TR-04-041218

Tot Ion:165 Resp: 35719

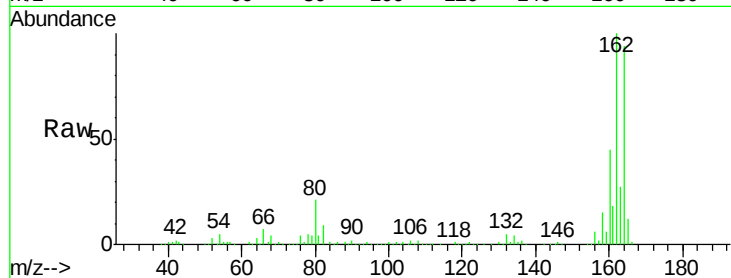
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

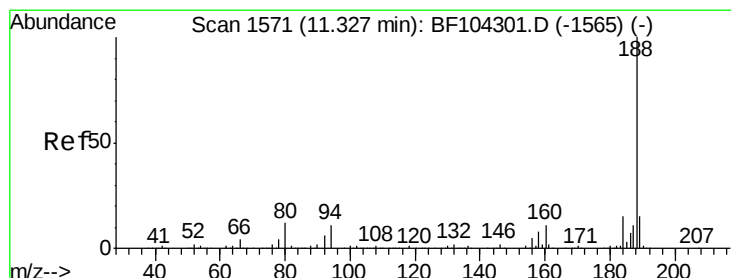
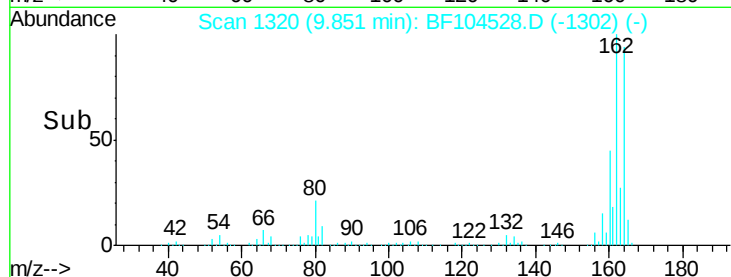
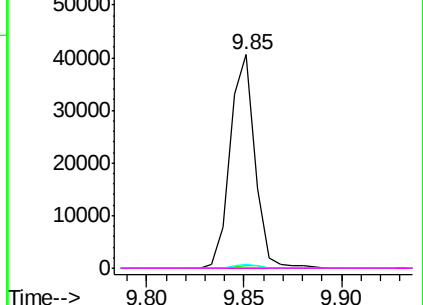


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

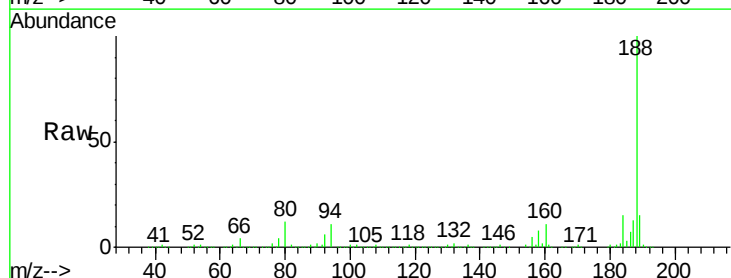
Tgt Ion:188 Resp: 408312

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

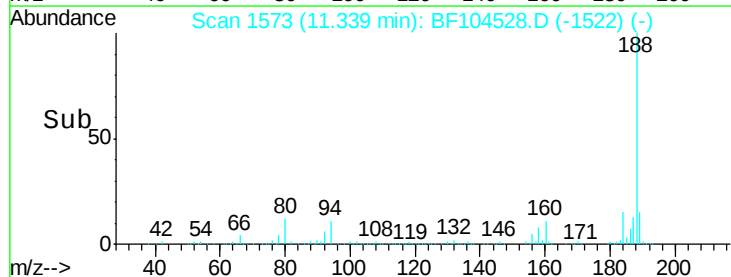
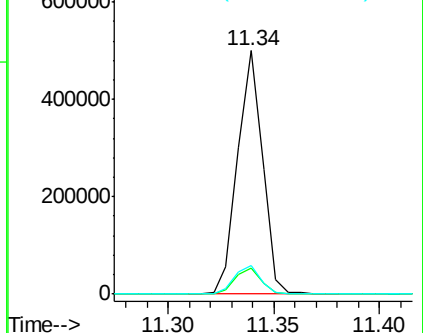
80 11.5 9.2 13.8

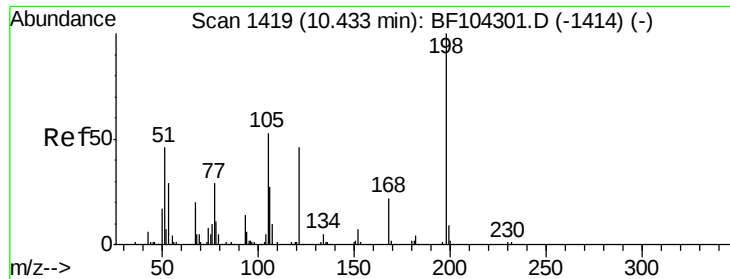


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

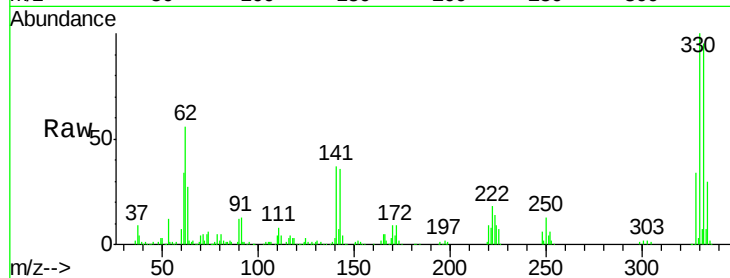




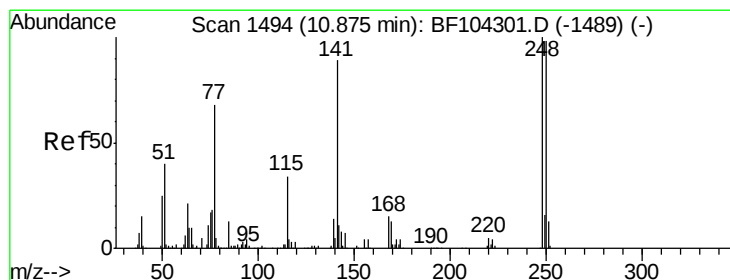
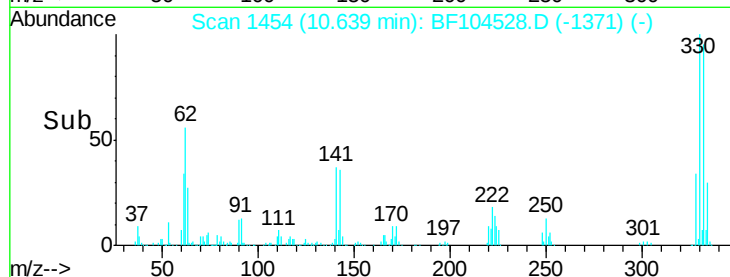
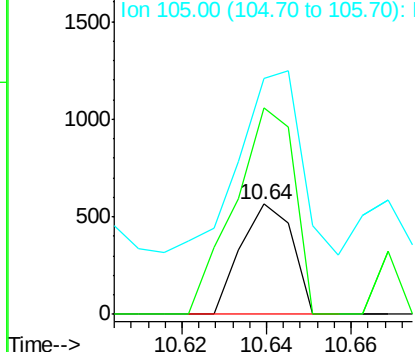
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.552 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104528.D
 Acq: 16 Apr 2018 12:33

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-041218

Tot Ion:198 Resp: 482
 Ion Ratio Lower Upper
 198 100
 51 188.1 37.7 77.7#
 105 214.2 36.3 76.3#

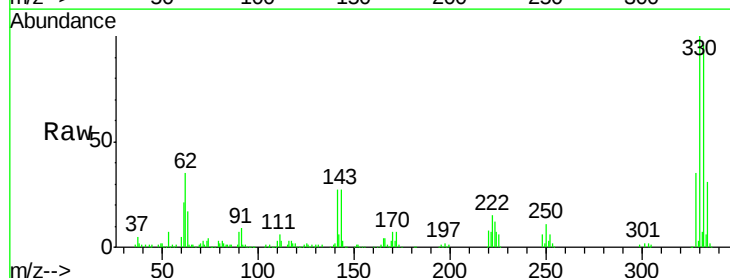


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

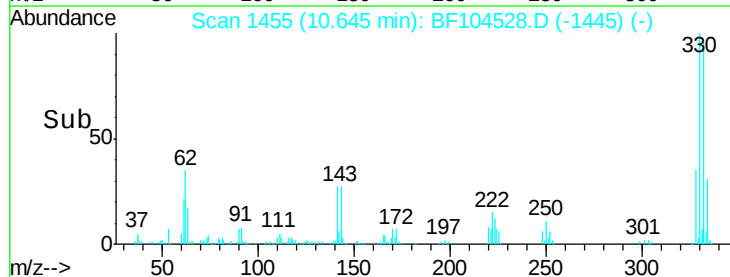
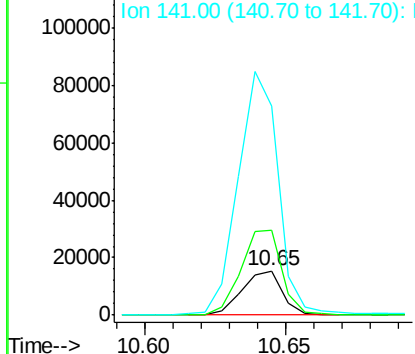


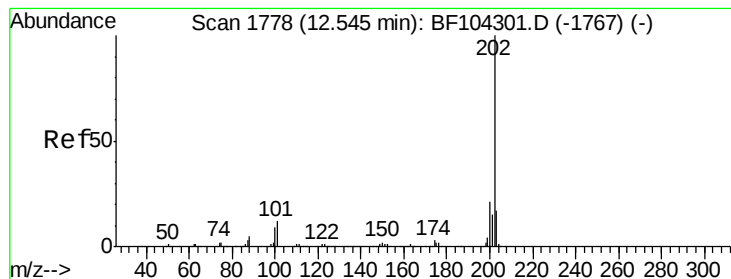
#66
 4-Bromophenyl-phenylether
 Concen: 3.439 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF104528.D
 Acq: 16 Apr 2018 12:33

Tgt Ion:248 Resp: 14936
 Ion Ratio Lower Upper
 248 100
 250 194.3 76.9 115.3#
 141 477.0 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





#74

Fluoranthene

Concen: 2.126 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

Instrument :

BNA_F

ClientSampleId :

TR-04-041218

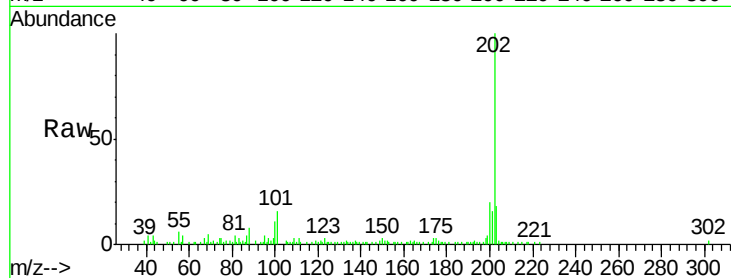
Tot Ion:202 Resp: 50498

Ion Ratio Lower Upper

202 100

101 15.8 0.0 34.1

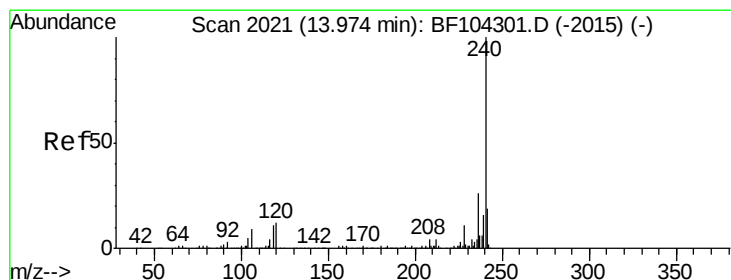
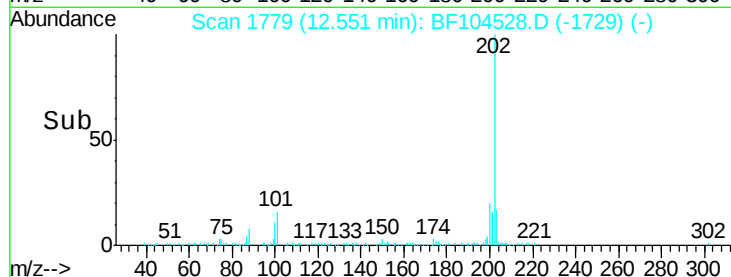
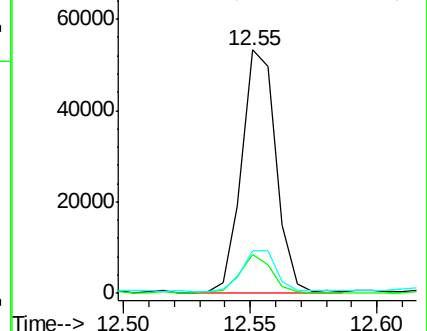
203 17.5 0.0 38.1



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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

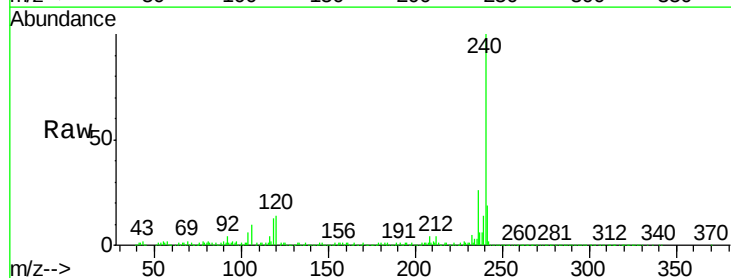
Tgt Ion:240 Resp: 351738

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

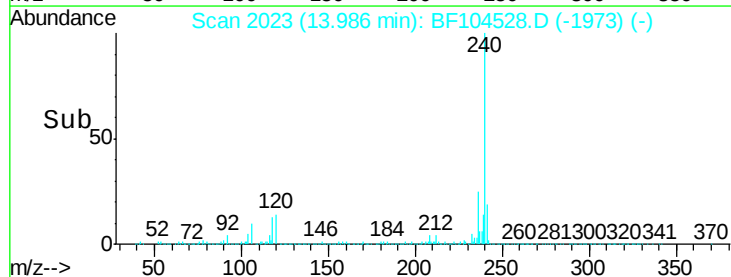
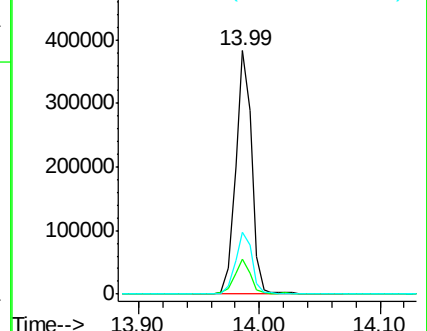
236 25.6 20.7 31.1

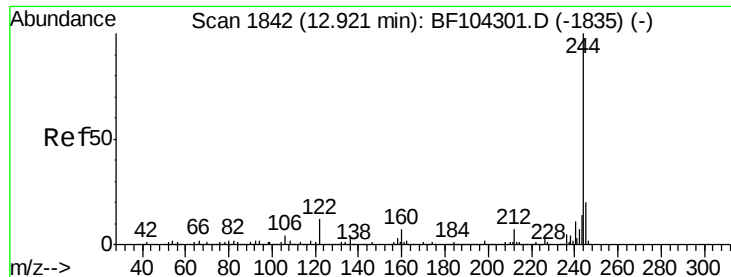


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 60.173 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

Instrument :

BNA_F

ClientSampleId :

TR-04-041218

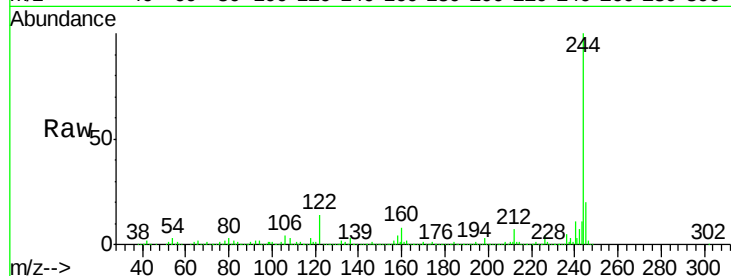
Tot Ion:244 Resp: 928366

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

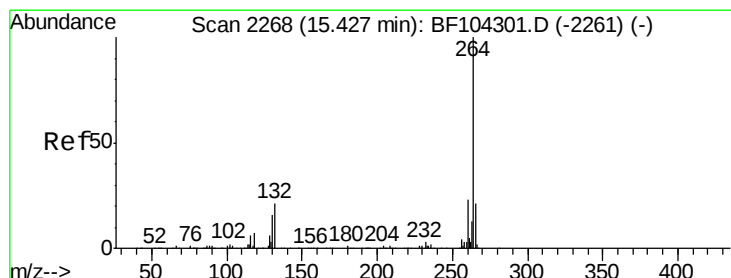
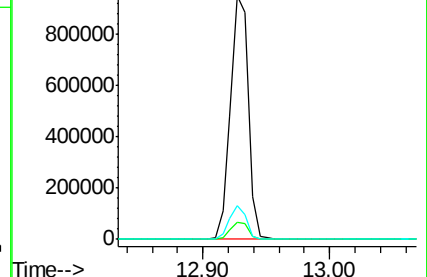
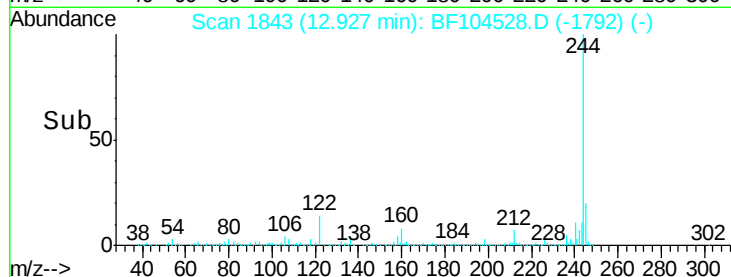
122 13.8 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF104528.D

Acq: 16 Apr 2018 12:33

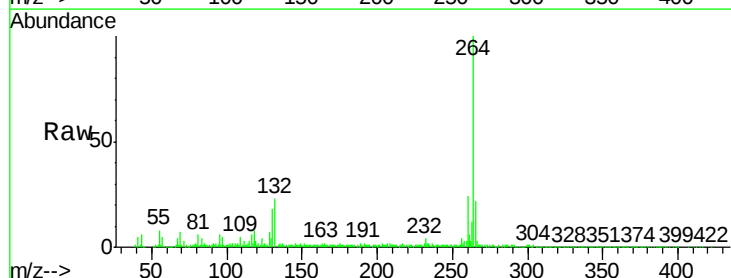
Tgt Ion:264 Resp: 272348

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

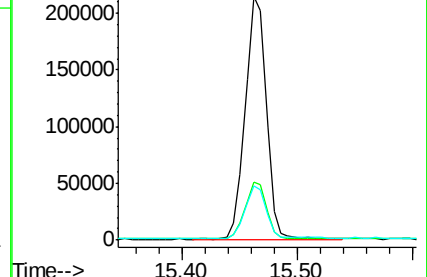
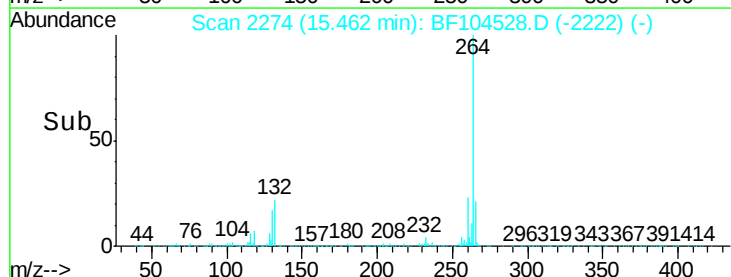
265 22.1 17.5 26.3

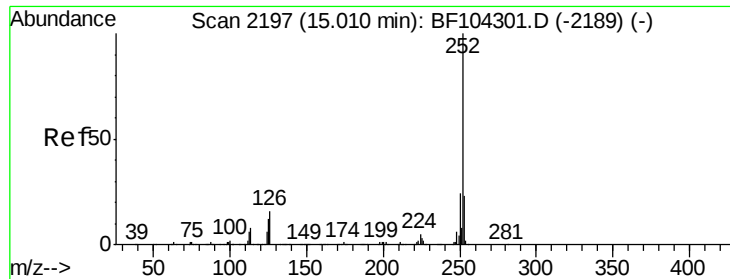


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

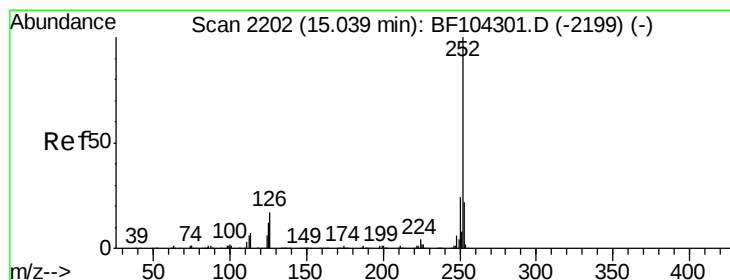
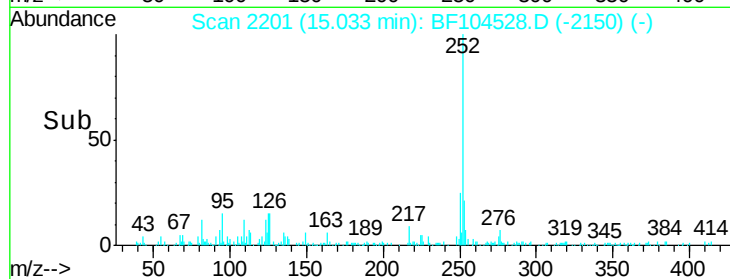
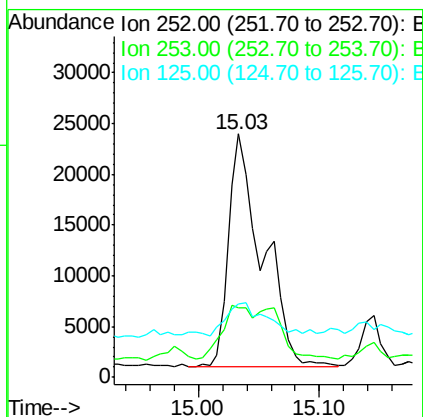
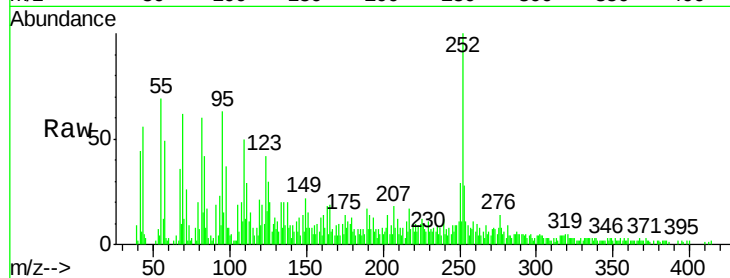




#87
Benzo(b)fluoranthene
Concen: 2.624 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

Instrument :
BNA_F
ClientSampleId :
TR-04-041218

Tot Ion:252 Resp: 45129
Ion Ratio Lower Upper
252 100
253 28.4 17.0 25.6#
125 30.1 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.779 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF104528.D
Acq: 16 Apr 2018 12:33

Tgt Ion:252 Resp: 45129
Ion Ratio Lower Upper
252 100
253 28.4 17.9 26.9#
125 30.1 10.2 15.2#

