

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104572.D
 Acq On : 17 Apr 2018 20:10
 Operator : JU/SJ
 Sample : J2387-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 00:51:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	137642	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	543348	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	225980	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	379645	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293087	20.00	ng	0.00
86) Perylene-d12	15.44	264	260835	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	915897	101.75	ng	0.00
7) Phenol-d6	6.45	99	1099408	99.40	ng	0.00
23) Nitrobenzene-d5	7.37	82	663520	79.74	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	233768	99.72	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	937296	65.52	ng	0.00
78) Terphenyl-d14	12.92	244	762784	59.33	ng	0.00

Target Compounds

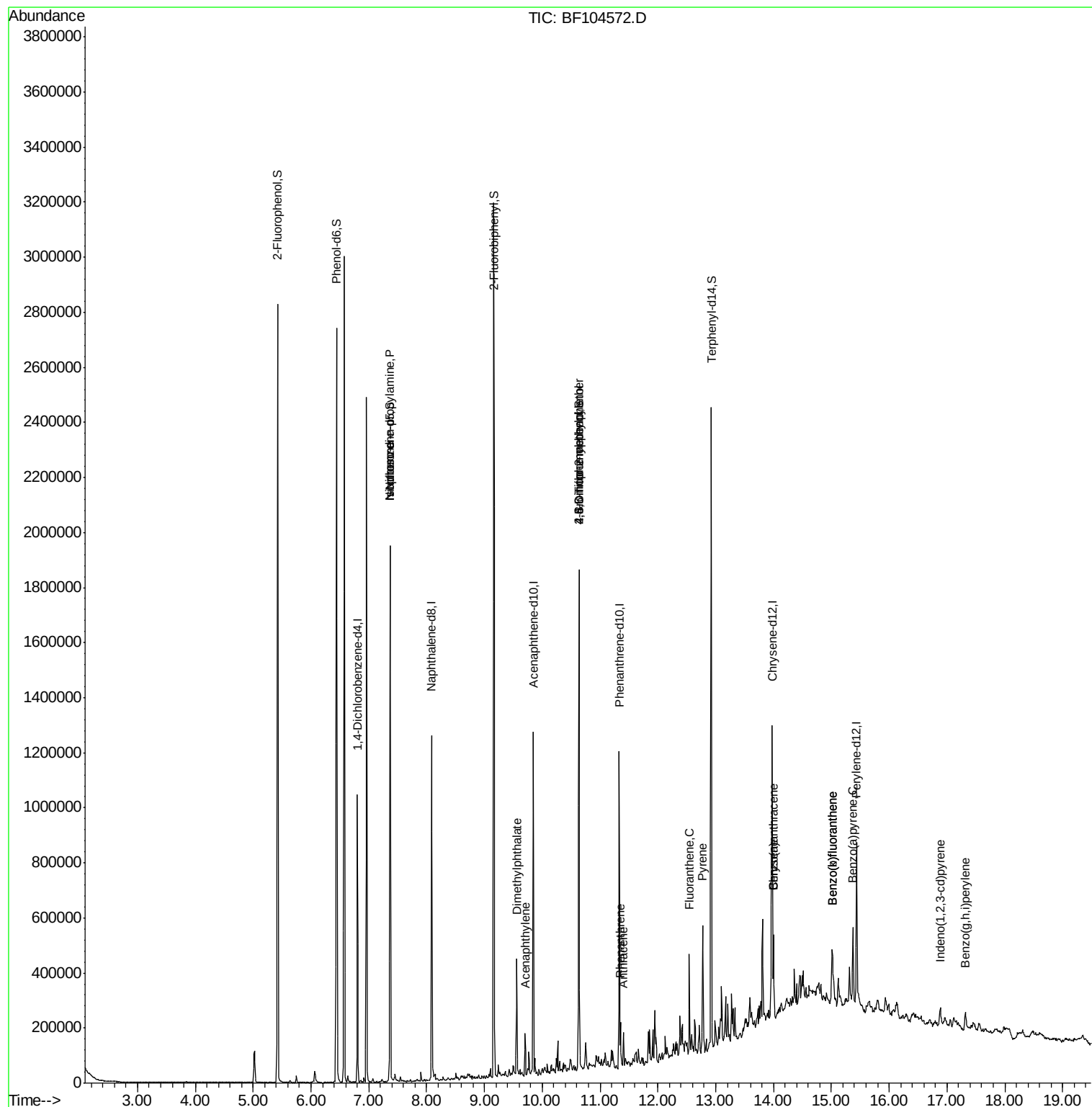
						Qvalue
9) Benzaldehyde	6.45	77	2042	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	88334	12.222 ng	#	74
25) Isophorone	7.37	82	663511	37.708 ng	#	64
48) Acenaphthylene	9.70	152	53100	2.257 ng		99
49) Dimethylphthalate	9.56	163	137098	7.693 ng		99
64) 4,6-Dinitro-2-methylphenol	10.63	198	535	7.592 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	14171	3.509 ng	#	1
70) Phenanthrene	11.36	178	55114	2.607 ng		99
71) Anthracene	11.40	178	49233	2.291 ng		97
74) Fluoranthene	12.55	202	121500	5.500 ng		99
76) Benzdine	12.92	184	10393	Below Cal		97
77) Pyrene	12.77	202	182775	8.413 ng		98
80) Benzo(a)anthracene	14.00	228	128372	7.332 ng		96
82) Chrysene	14.00	228	128372	7.138 ng		98
85) Indeno(1,2,3-cd)pyrene	16.88	276	43711	2.861 ng		94
87) Benzo(b)fluoranthene	15.02	252	140990	8.558 ng	#	90
88) Benzo(k)fluoranthene	15.02	252	140990	9.065 ng	#	93
89) Benzo(a)pyrene	15.37	252	120767	8.193 ng	#	94
91) Benzo(a,h,i)perylene	17.32	276	43799	3.734 ng		95

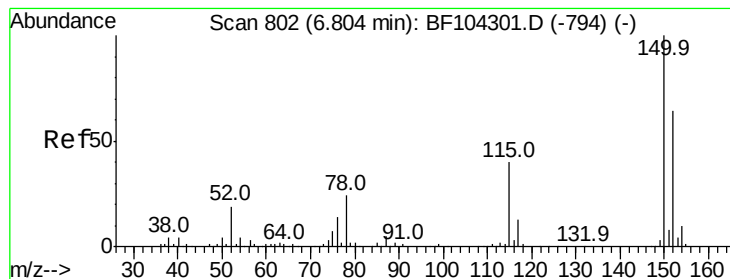
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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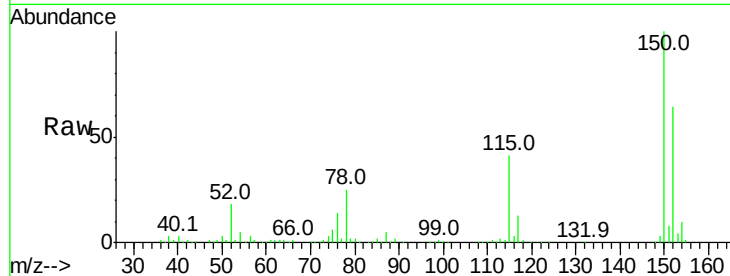


#1

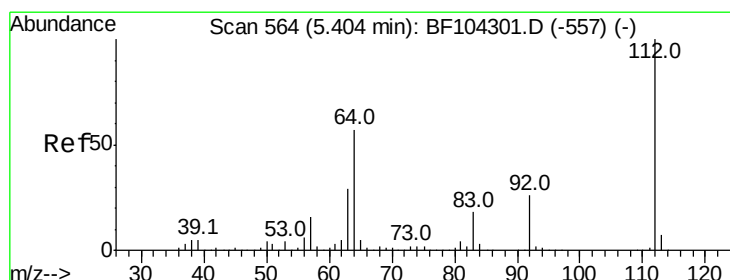
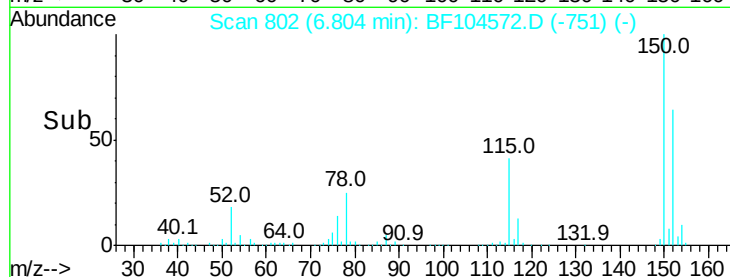
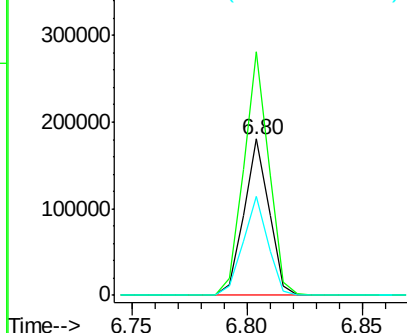
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137642
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 63.3 50.1 75.1



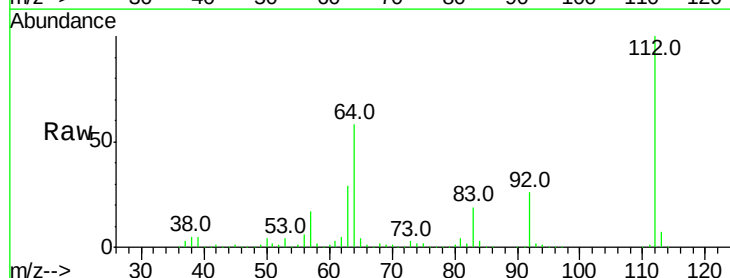
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



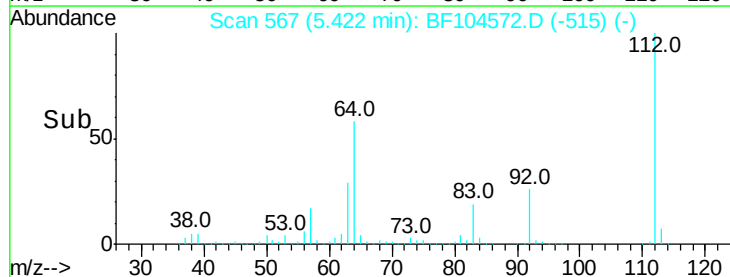
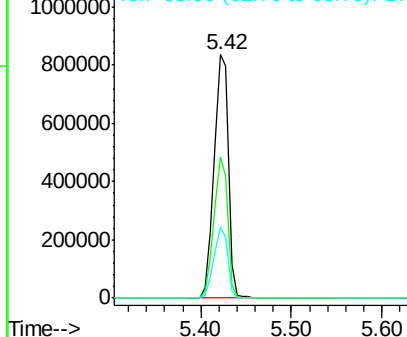
#5

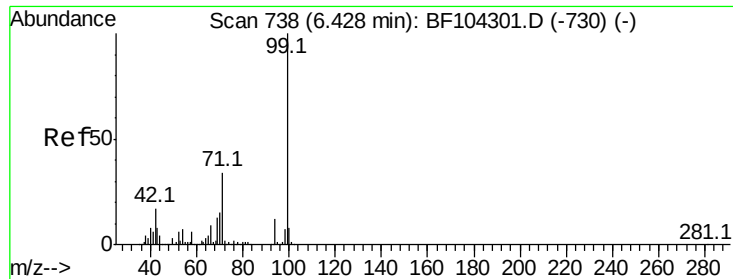
2-Fluorophenol
Concen: 101.746 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

Tgt Ion:112 Resp: 915897
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 29.3 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: 99.402 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

Instrument :

BNA_F

ClientSampled :

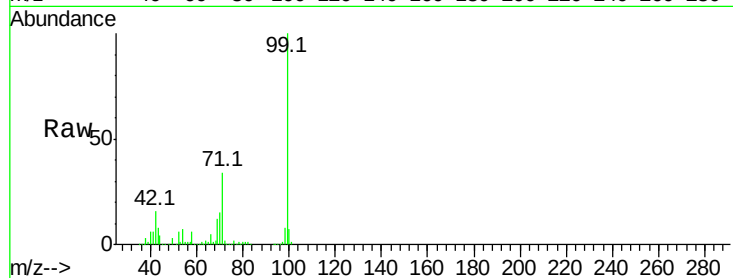
Tot Ion: 99 Resp: 1099408

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

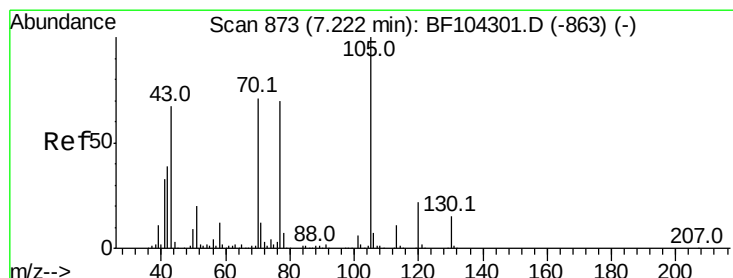
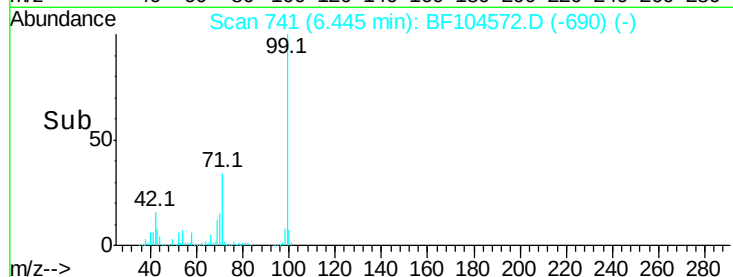
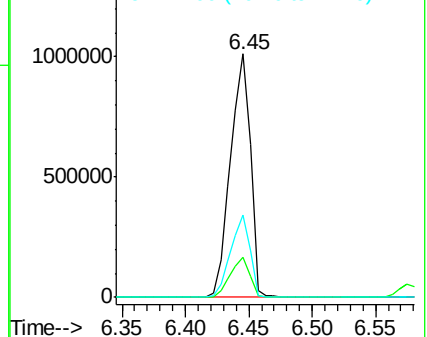
71 33.6 25.4 38.0



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: 12.222 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

Tgt Ion: 70 Resp: 88334

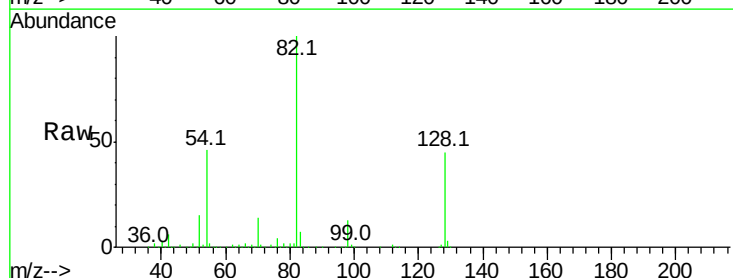
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

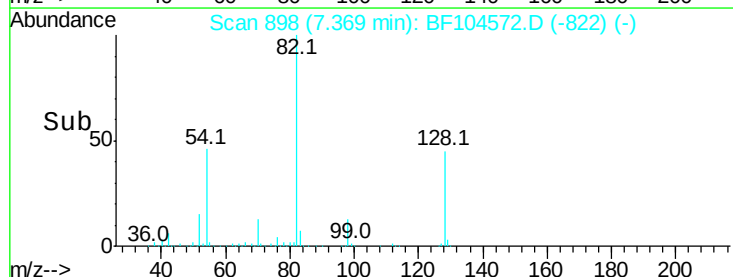
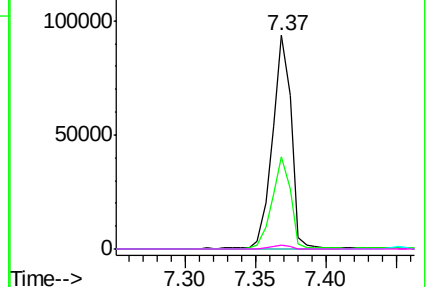


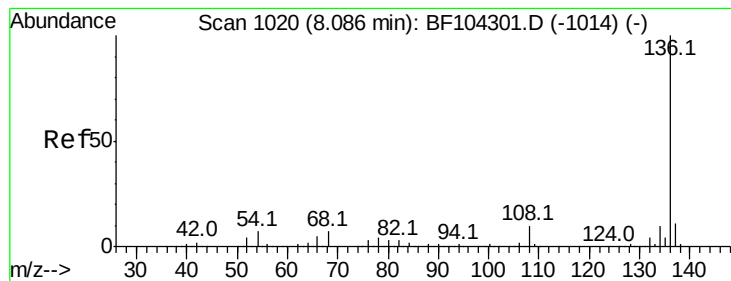
Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.01 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 543348

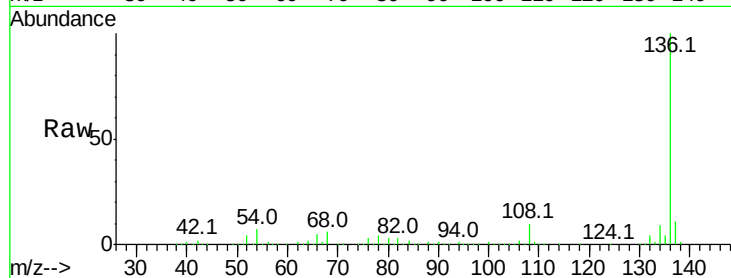
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.3 6.6 9.8

68 6.3 5.0 7.4

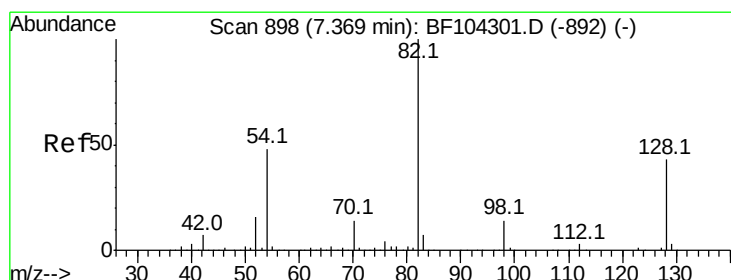
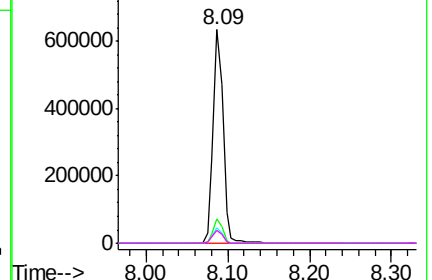
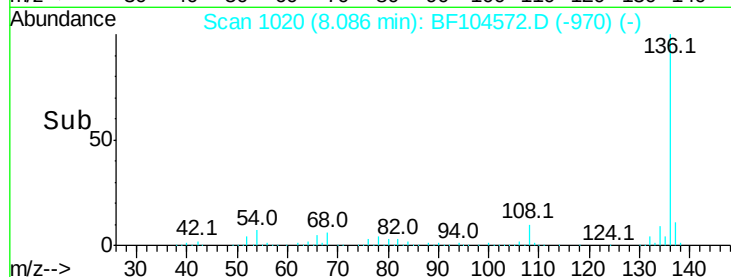


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.740 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

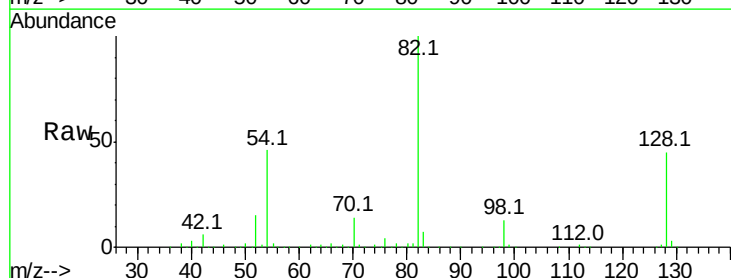
Tgt Ion: 82 Resp: 663520

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

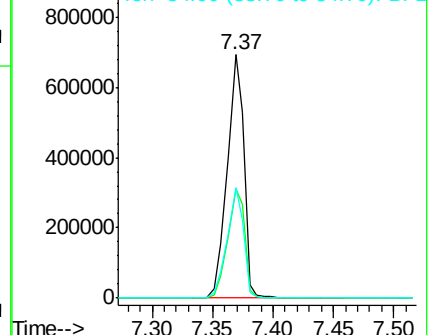
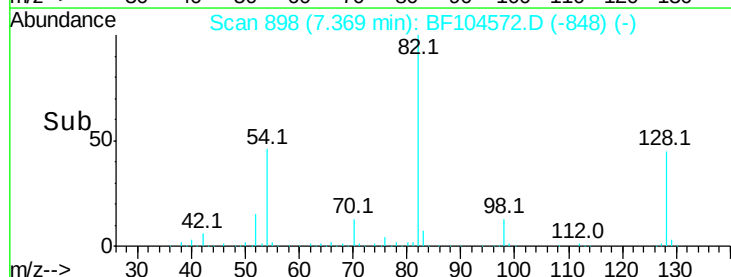
54 45.6 41.4 62.2

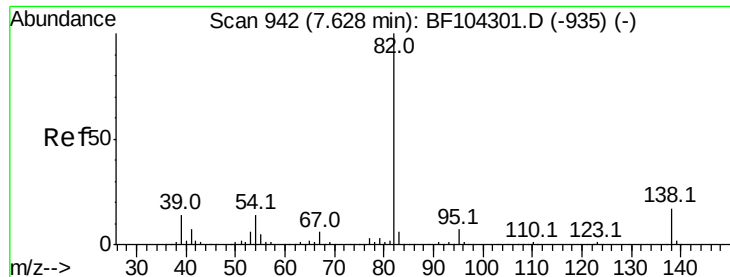


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.708 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

Instrument :

BNA_F

ClientSampled :

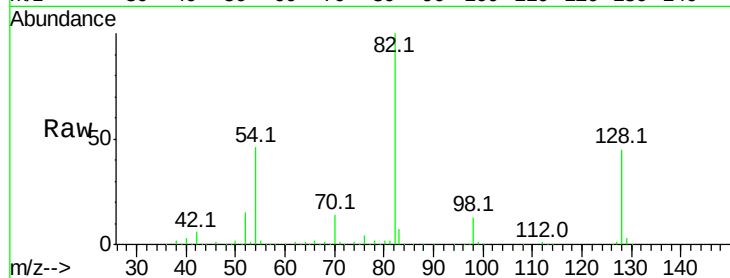
Tot Ion: 82 Resp: 663511

Ion Ratio Lower Upper

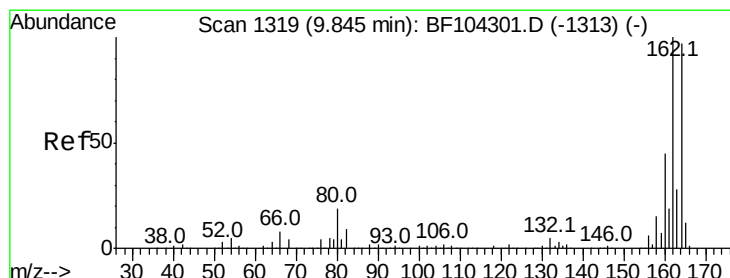
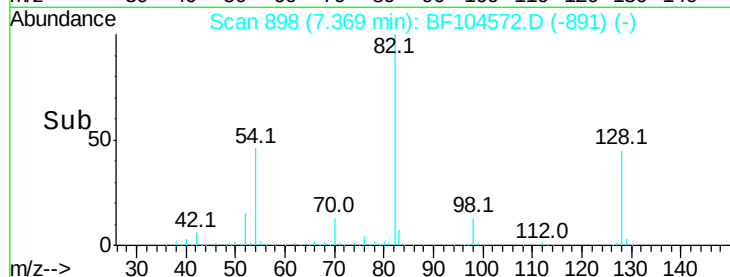
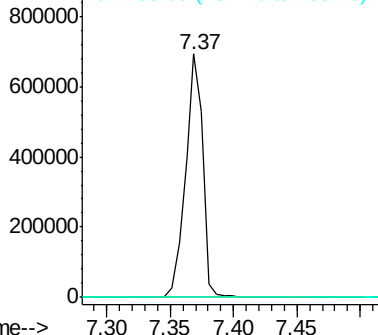
82 100

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# 1319

Delta R.T. 0.00 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

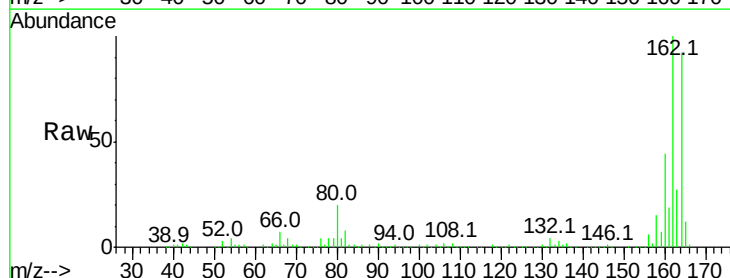
Tgt Ion: 164 Resp: 225980

Ion Ratio Lower Upper

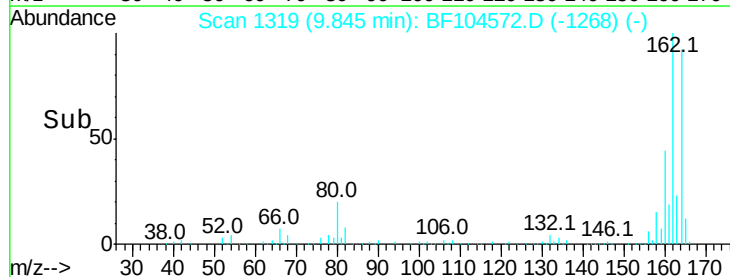
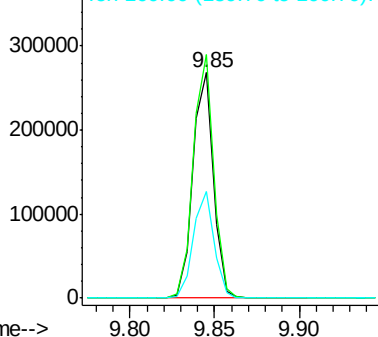
164 100

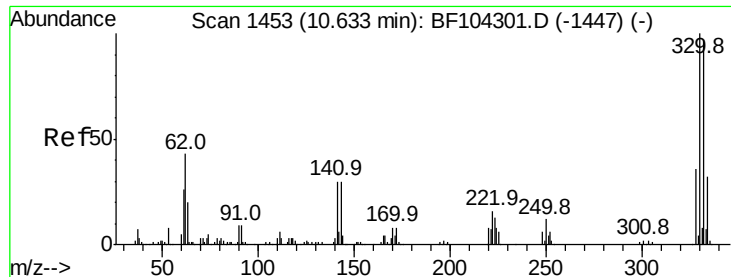
162 108.2 86.1 129.1

160 47.3 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

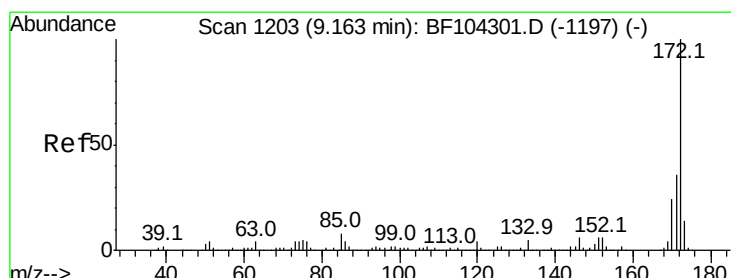
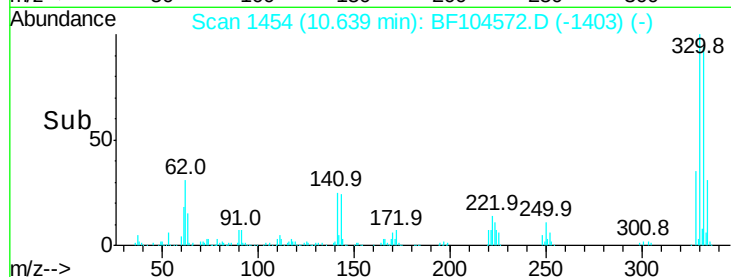
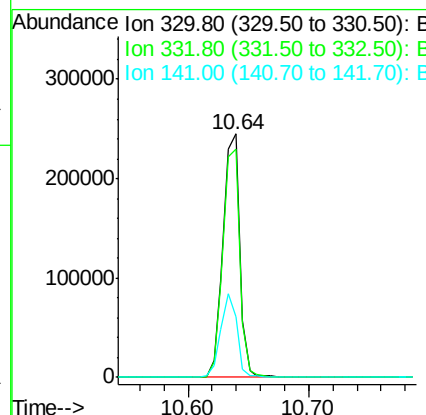
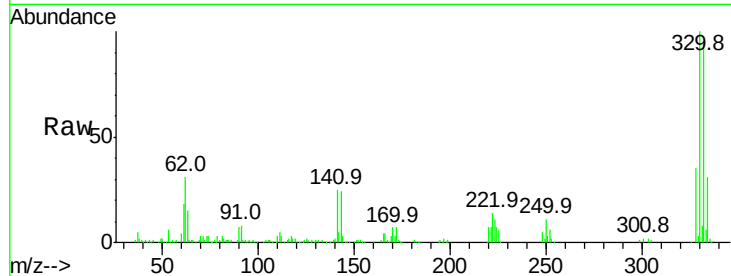




#41
 2,4,6-Tribromophenol
 Concen: 99.724 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

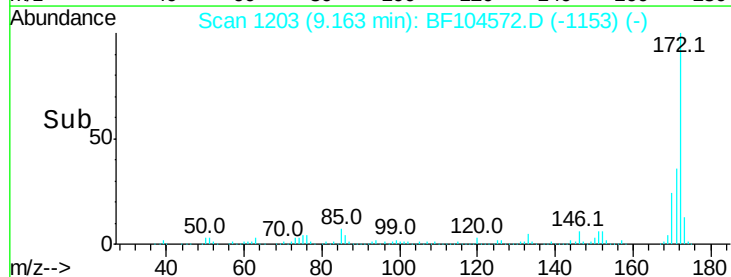
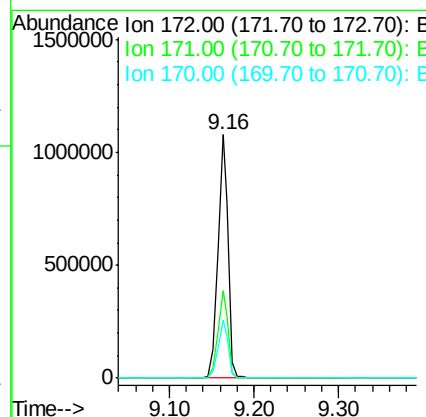
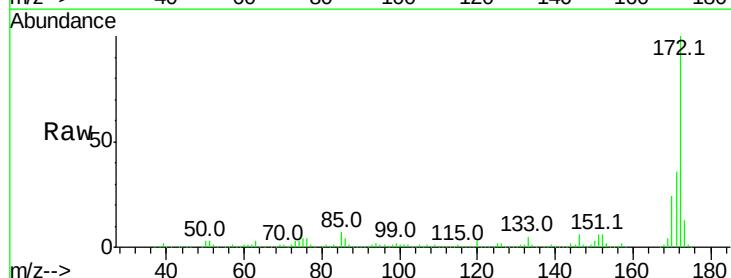
Instrument :
 BNA_F
 ClientSampleId :

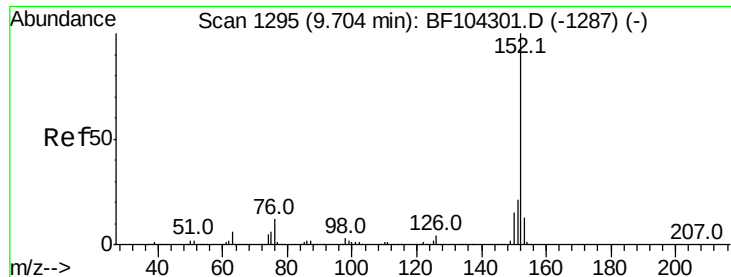
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	33.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 65.523 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.7	19.6	29.4

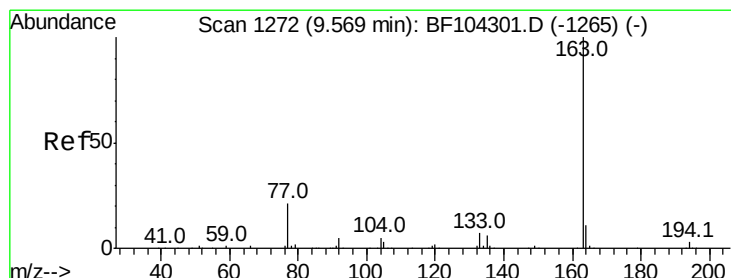
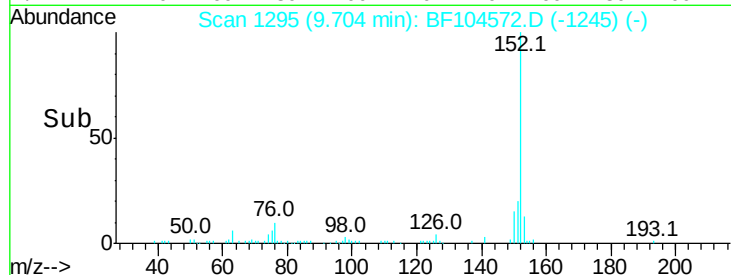
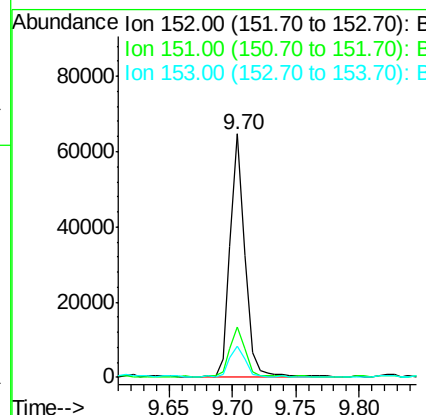
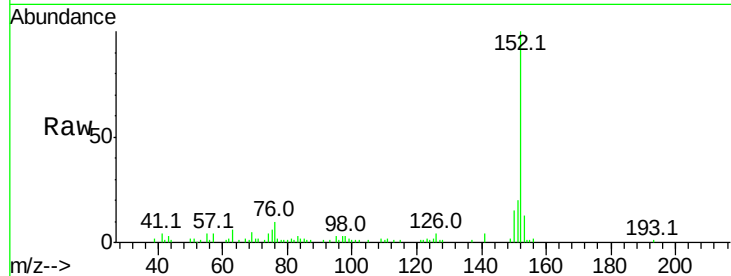




#48
Acenaphthylene
Concen: 2.257 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

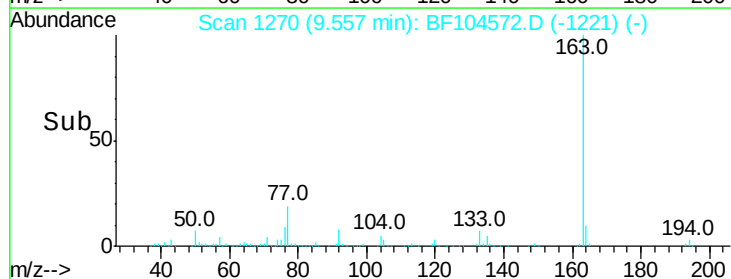
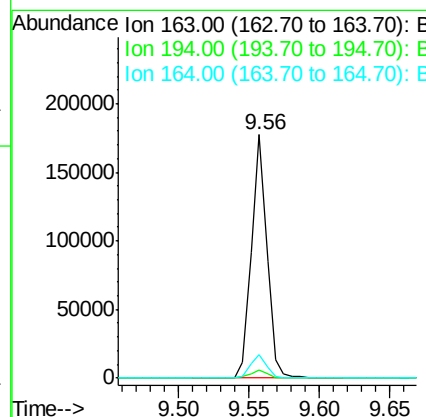
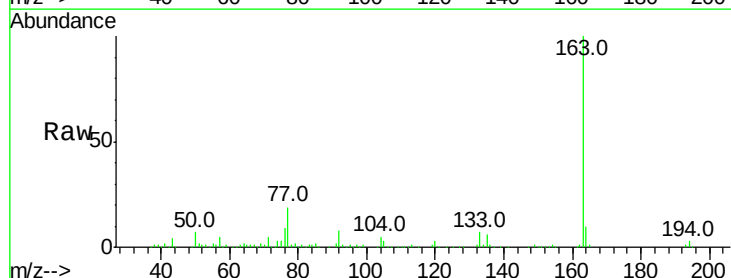
Instrument :
BNA_F
ClientSampleId :

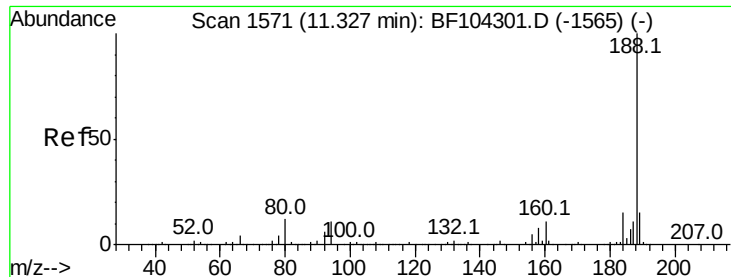
Tot Ion:152 Resp: 53100
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 12.8 10.7 16.1



#49
Dimethylphthalate
Concen: 7.693 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

Tgt Ion:163 Resp: 137098
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.2 12.2

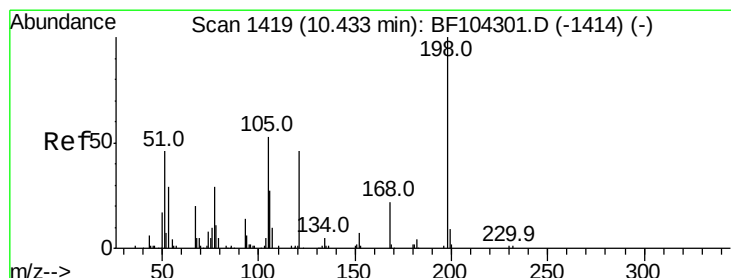
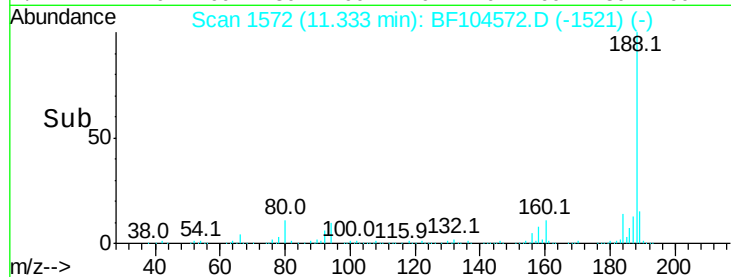
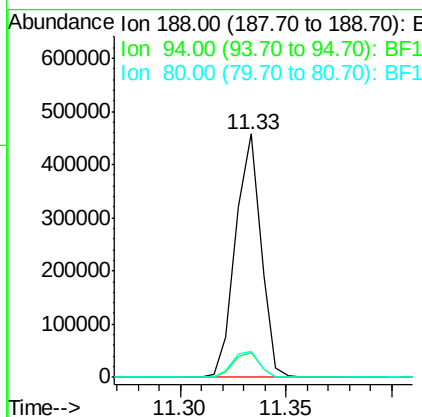
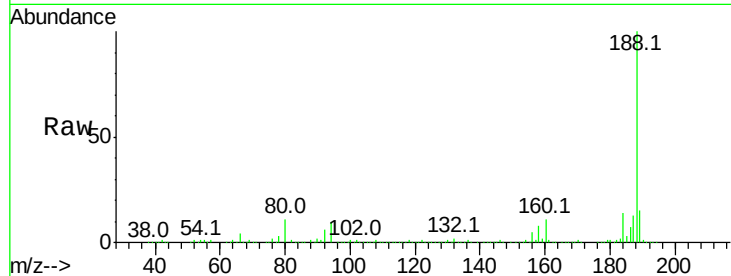




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

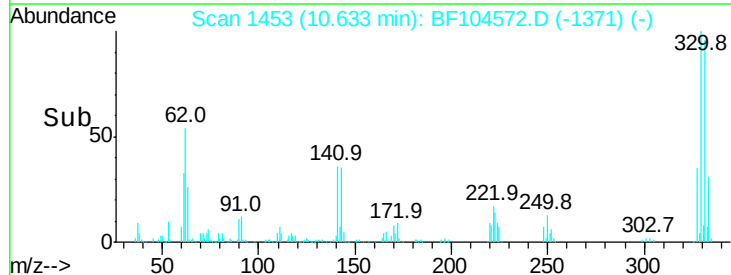
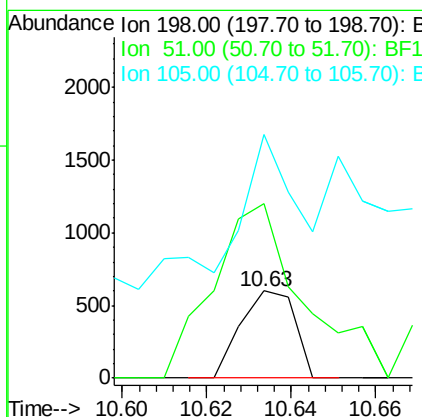
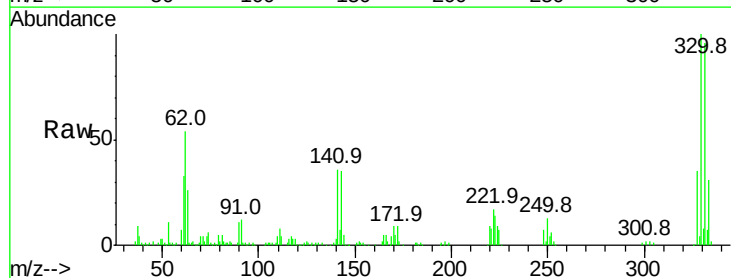
Instrument :
 BNA_F
 ClientSampleId :

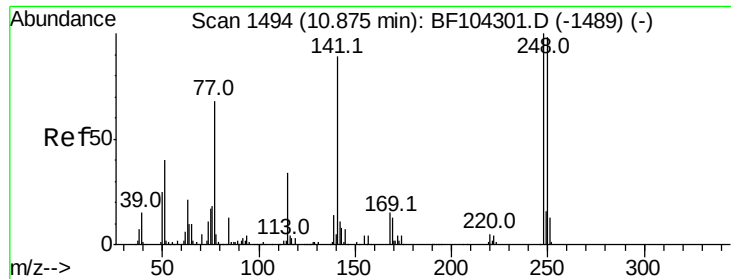
Tot Ion:188 Resp: 379645
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.592 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

Tgt Ion:198 Resp: 535
 Ion Ratio Lower Upper
 198 100
 51 200.5 37.7 77.7#
 105 278.9 36.3 76.3#

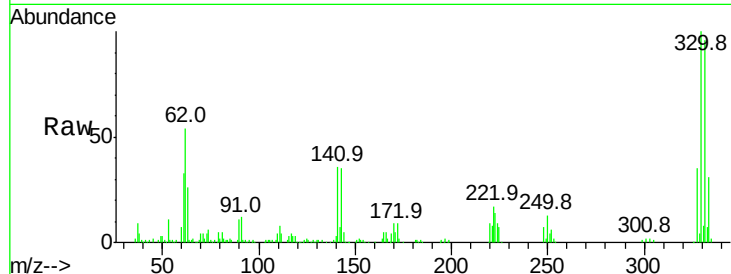




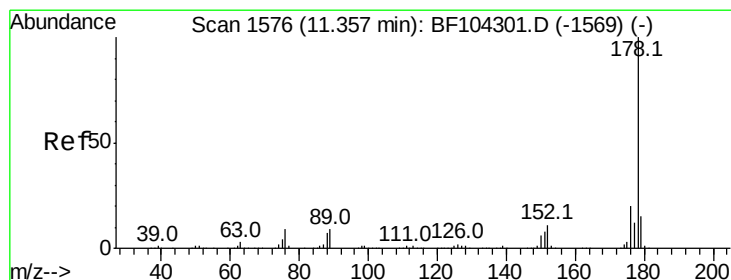
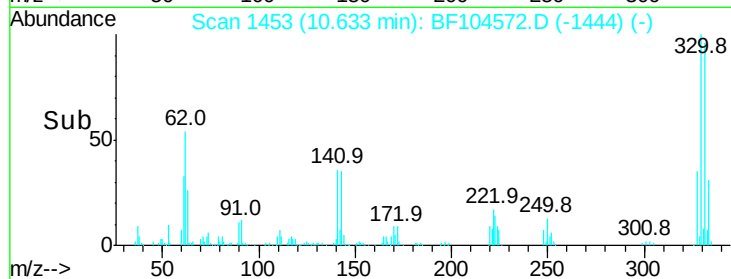
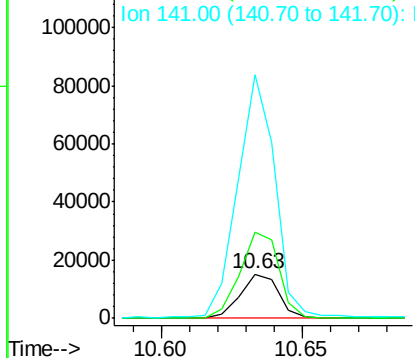
#66
 4-Bromophenyl-phenylether
 Concen: 3.509 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14171
 Ion Ratio Lower Upper
 248 100
 250 194.9 76.9 115.3#
 141 552.0 74.4 111.6#

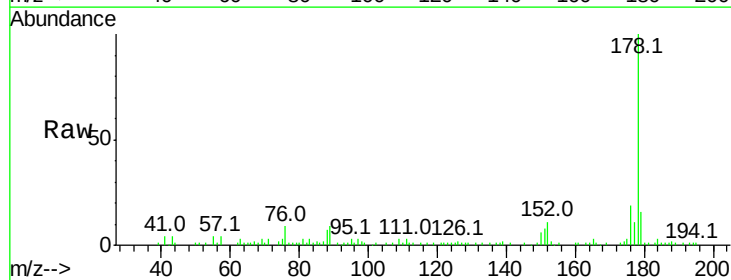


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

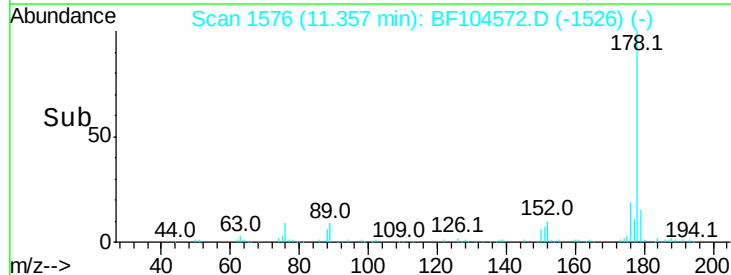
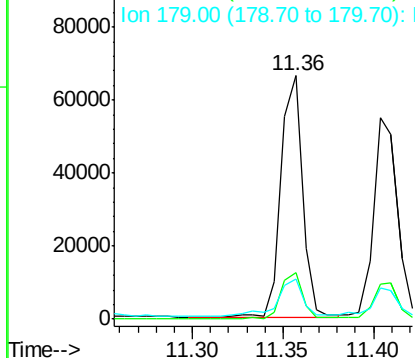


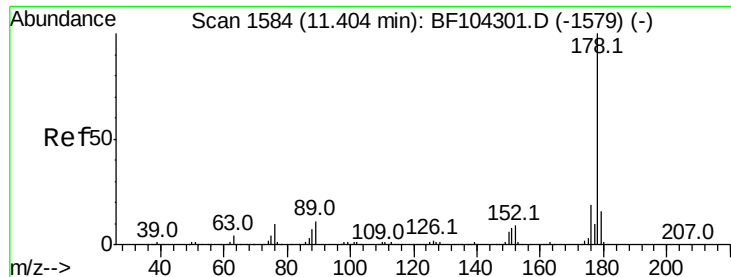
#70
 Phenanthrene
 Concen: 2.607 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

Tgt Ion:178 Resp: 55114
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 16.4 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

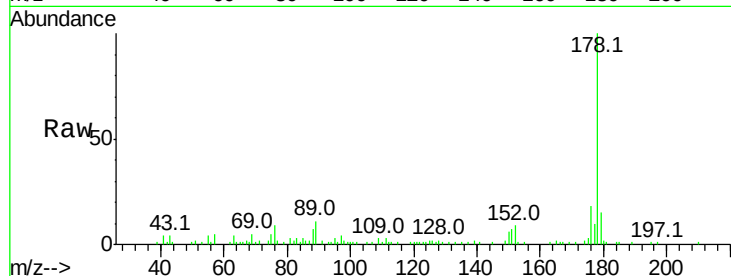




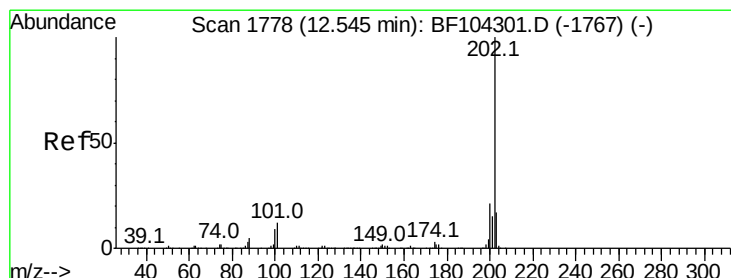
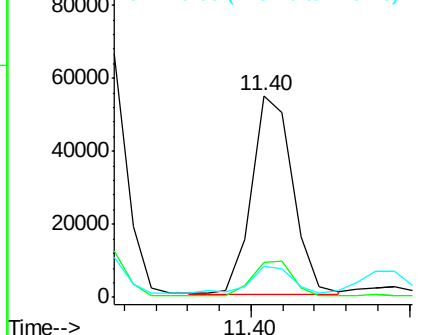
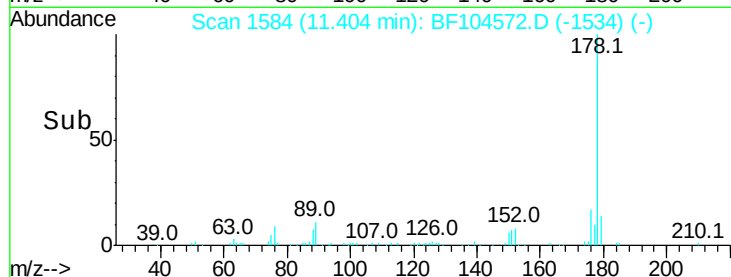
#71
 Anthracene
 Concen: 2.291 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 49233
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.2
 179 15.1 12.6 19.0

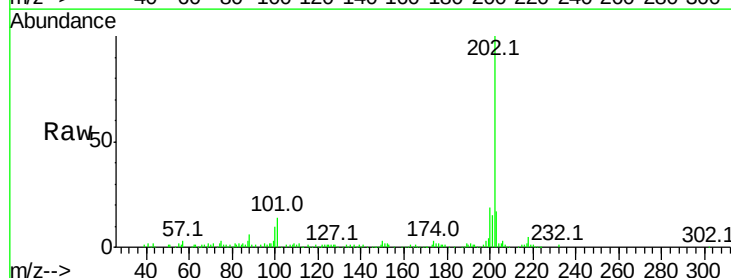


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

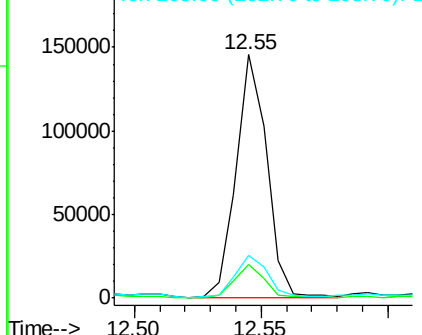
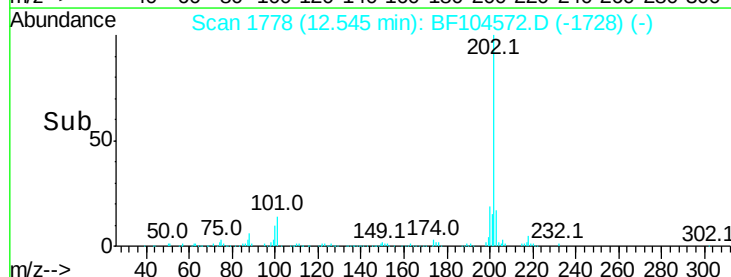


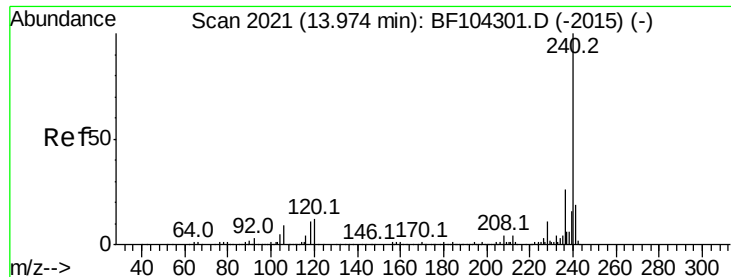
#74
 Fluoranthene
 Concen: 5.500 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

Tgt Ion:202 Resp: 121500
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 34.1
 203 17.4 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: BF104572.D

Acq: 17 Apr 2018 20:10

Instrument :

BNA_F

ClientSampleId :

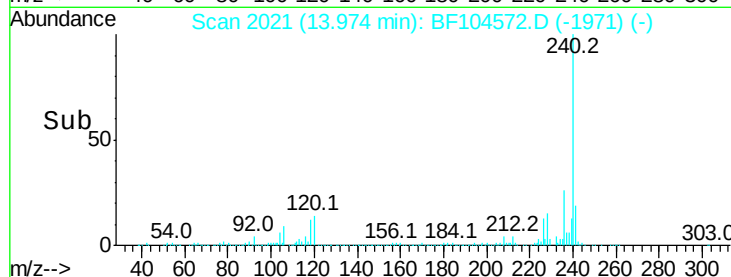
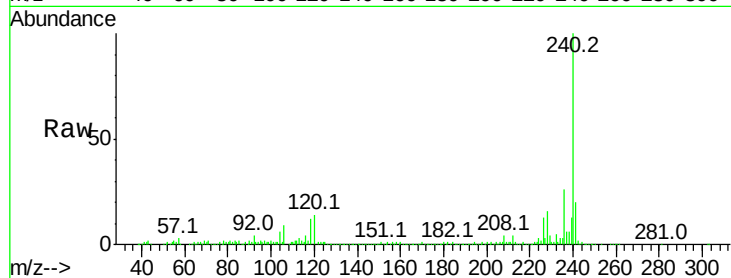
Tot Ion:240 Resp: 293087

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

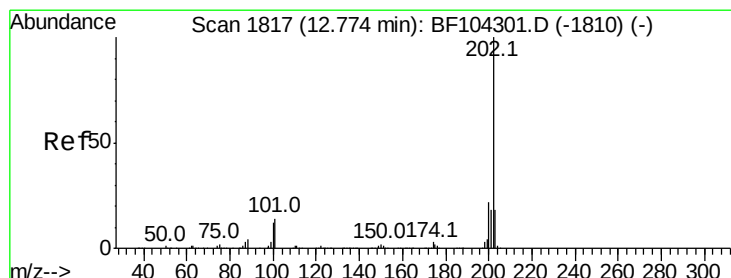
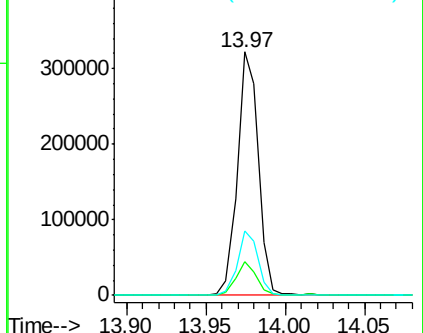
236 26.2 20.7 31.1



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

Pyrene

Concen: 8.413 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

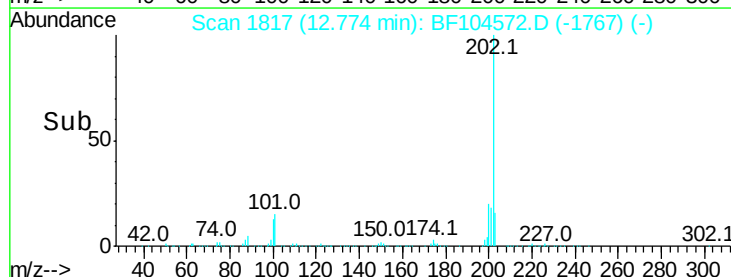
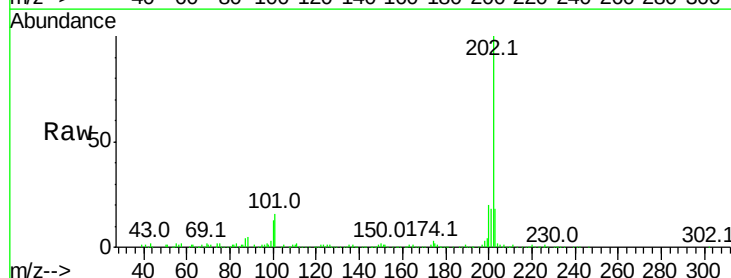
Tgt Ion:202 Resp: 182775

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

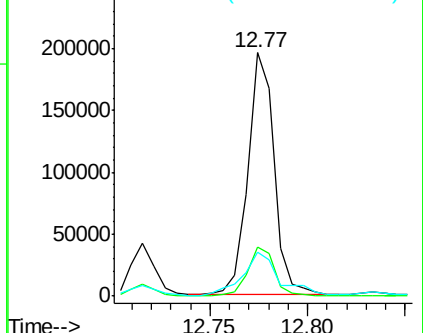
203 18.2 14.3 21.5

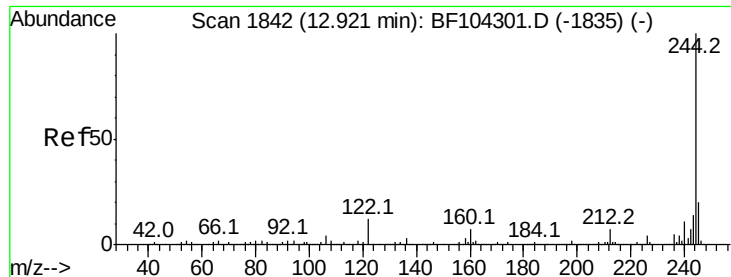


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

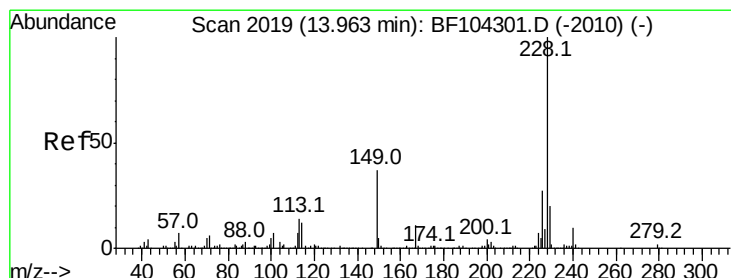
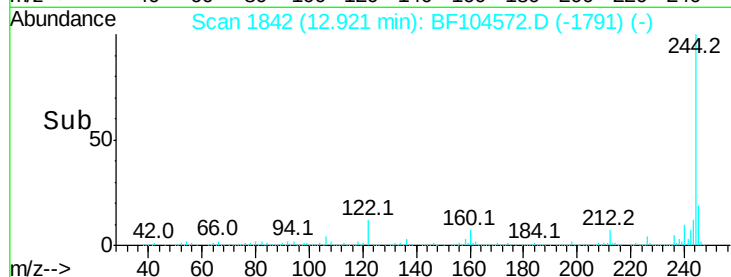
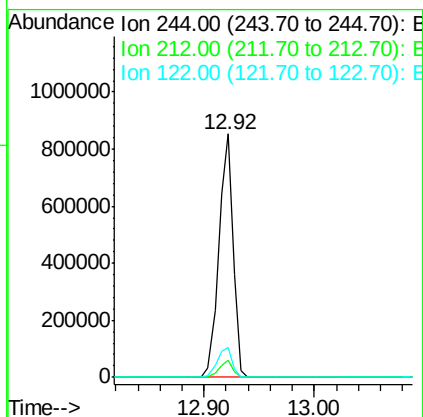
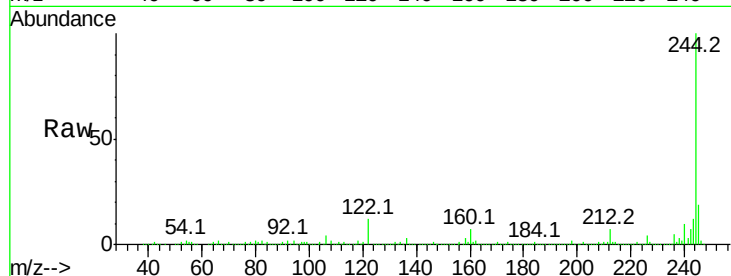




#78
 Terphenyl-d14
 Concen: 59.335 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

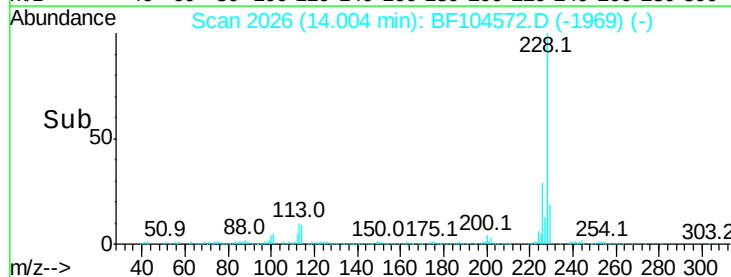
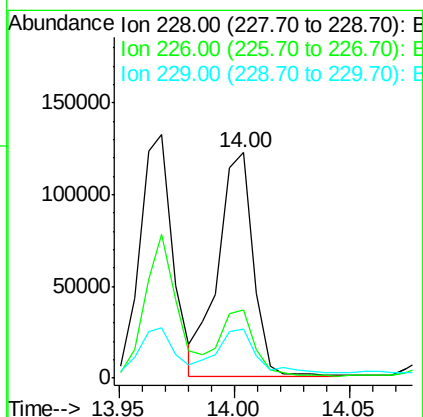
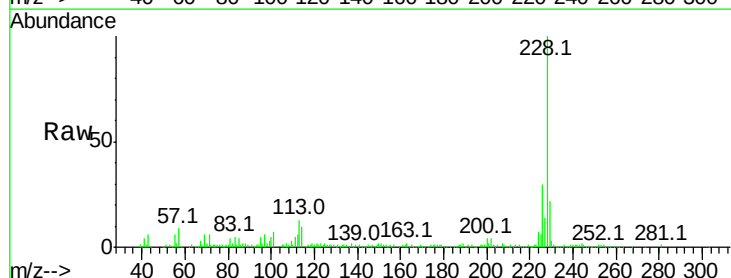
Instrument :
 BNA_F
 ClientSampled :

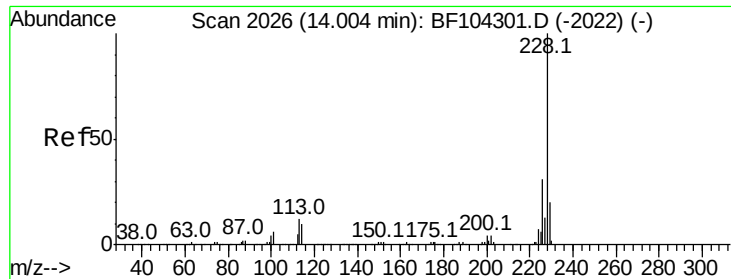
Tot Ion:244 Resp: 762784
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 7.332 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.04 min
 Lab File: BF104572.D
 Acq: 17 Apr 2018 20:10

Tgt Ion:228 Resp: 128372
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 33.8
 229 22.0 15.8 23.6

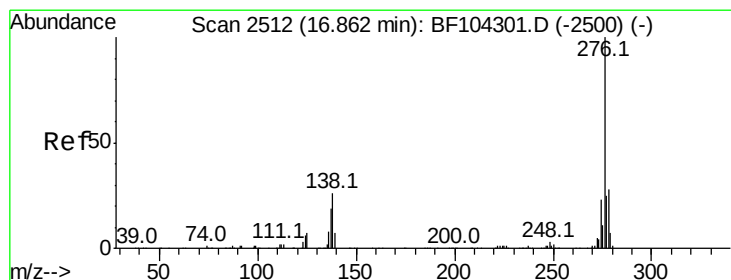
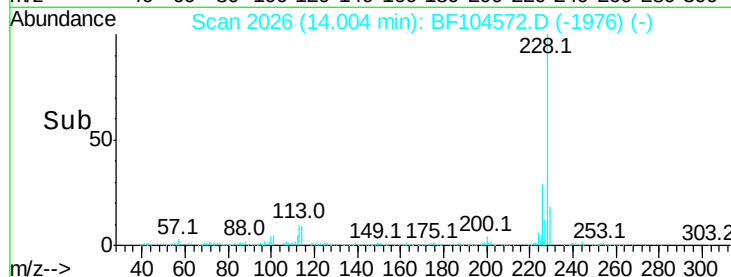
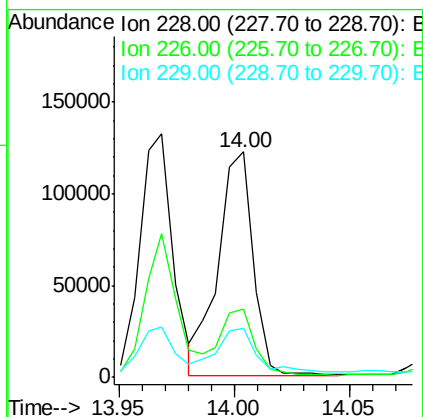
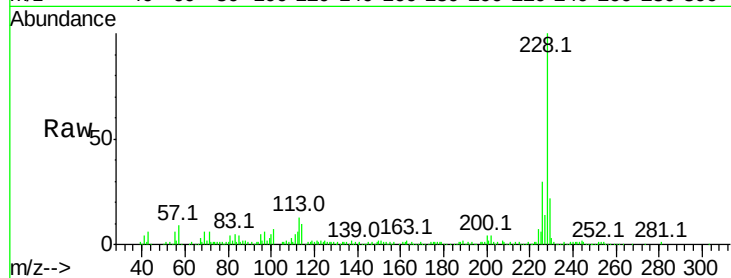




#82
Chrysene
Concen: 7.138 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

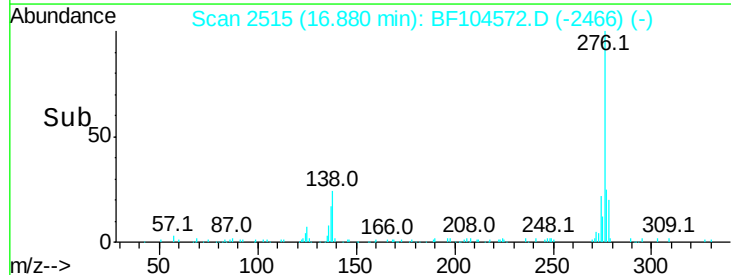
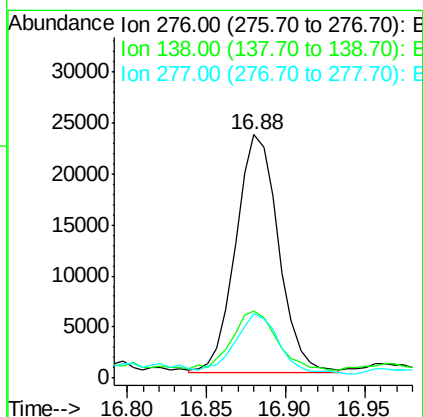
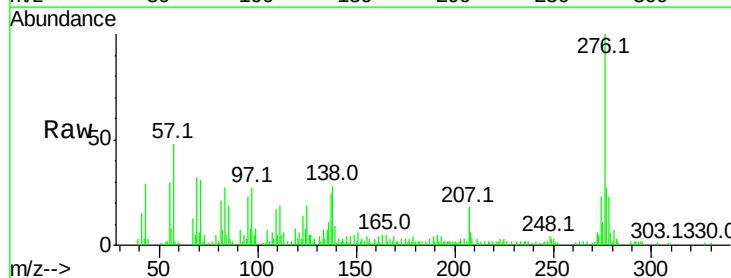
Instrument :
BNA_F
ClientSampleId :

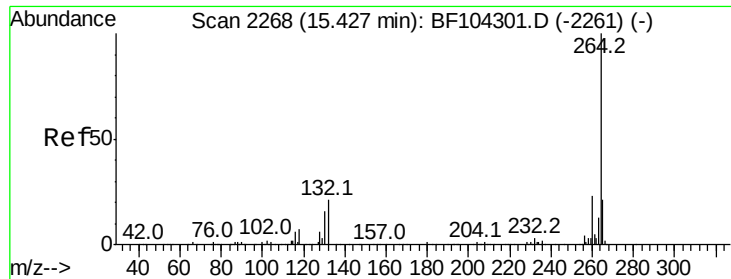
Tot Ion:228 Resp: 128372
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 22.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.861 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

Tgt Ion:276 Resp: 43711
Ion Ratio Lower Upper
276 100
138 26.1 25.0 37.6
277 25.5 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

Instrument :

BNA_F

ClientSampled :

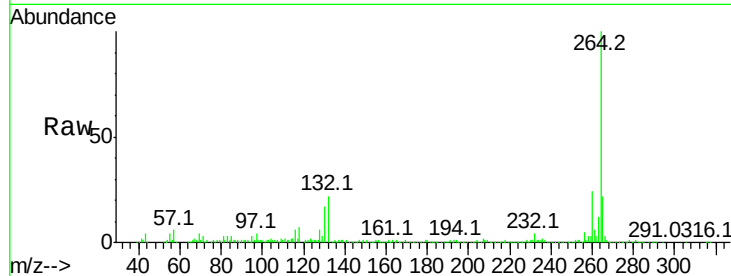
Tot Ion:264 Resp: 260835

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

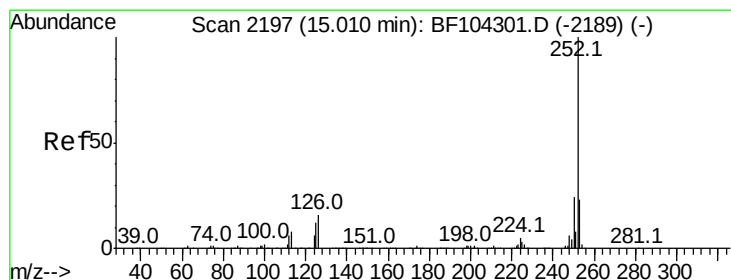
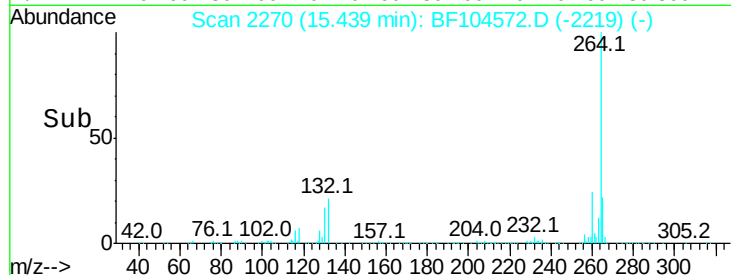
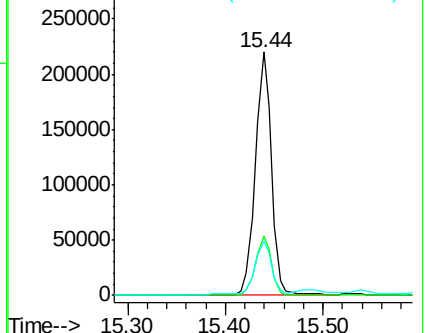
265 22.4 17.5 26.3



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: 8.558 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.00 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

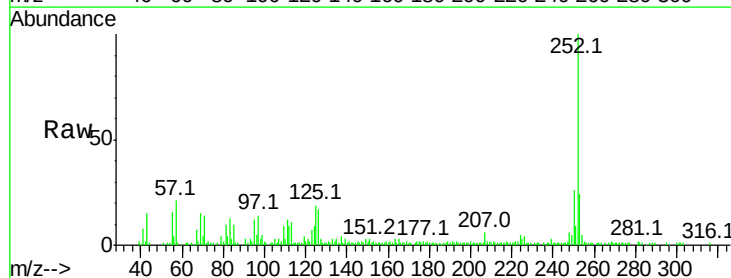
Tgt Ion:252 Resp: 140990

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.6

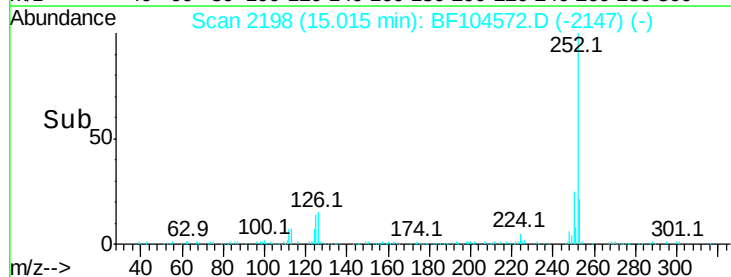
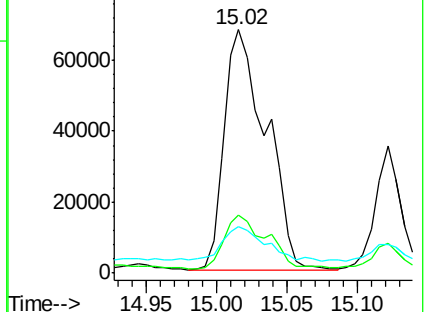
125 19.0 9.0 13.6#

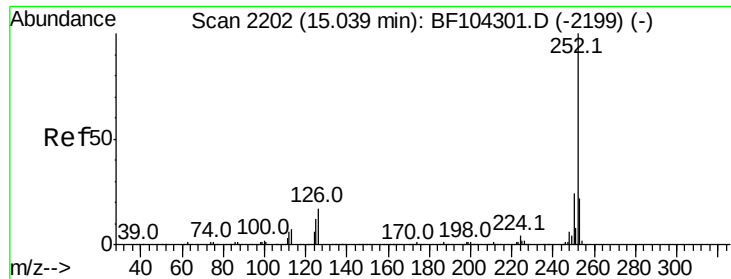


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

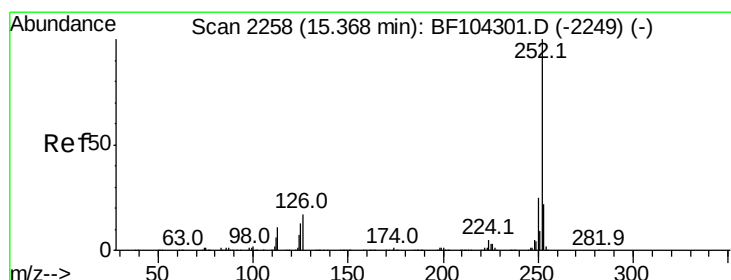
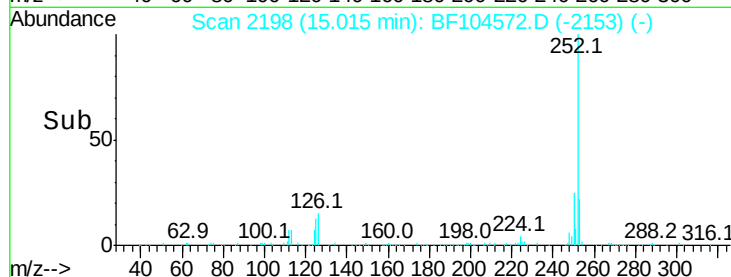
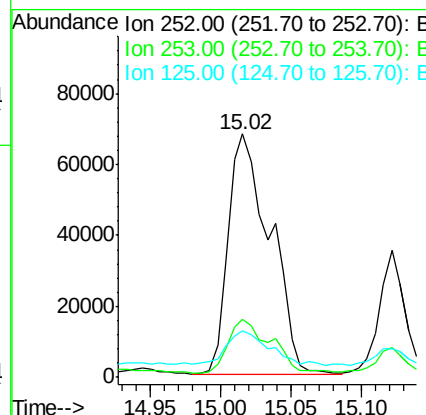
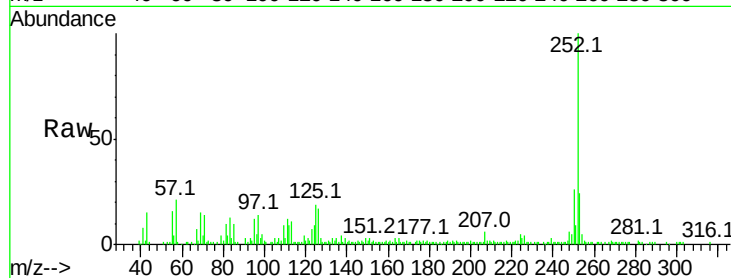




#88
Benzo(k)fluoranthene
Concen: 9.065 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

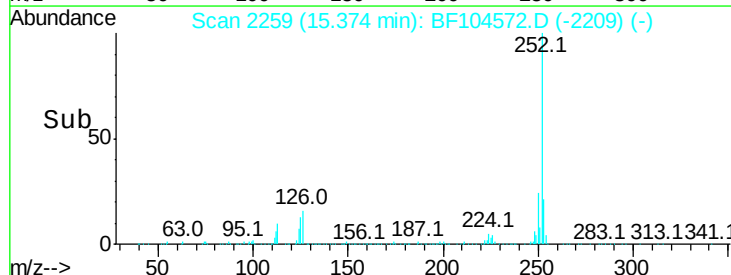
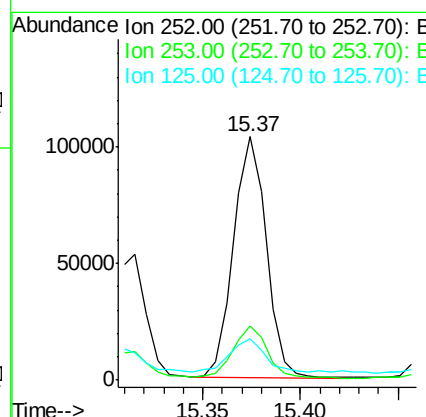
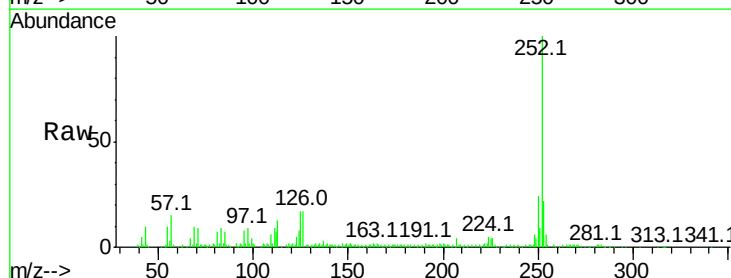
Instrument :
BNA_F
ClientSampleId :

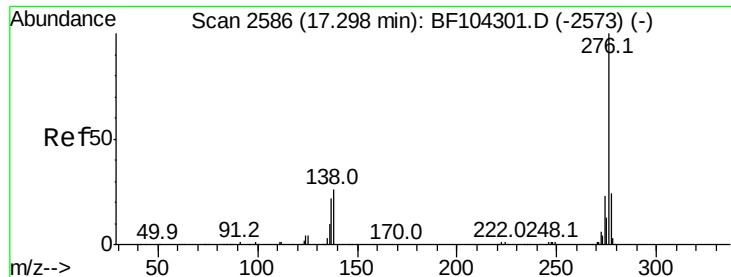
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	19.0	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 8.193 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104572.D
Acq: 17 Apr 2018 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	16.8	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.734 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.01 min

Lab File: BF104572.D

Acq: 17 Apr 2018 20:10

Instrument :

BNA_F

ClientSampleId :

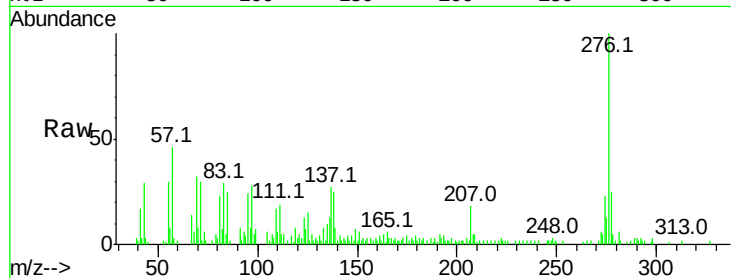
Tot Ion: 276 Resp: 43799

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 25.4 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

