

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096799.D
 Acq On : 15 Jul 2017 4:06
 Operator : SJ/JU
 Sample : I4187-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 04:43:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

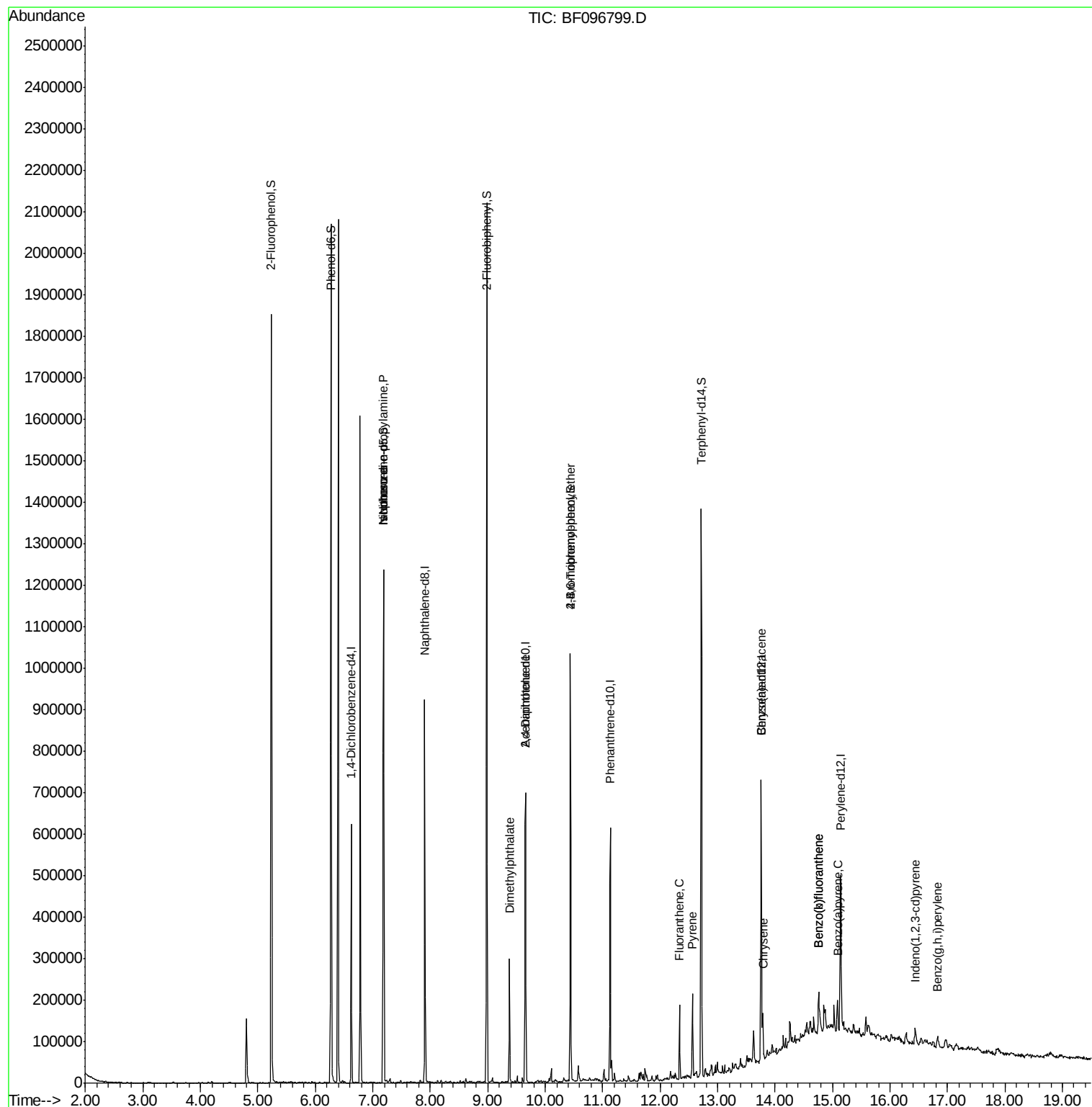
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	96299	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	430083	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	141097	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	208579	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	204473	20.00	ng	-0.01
86) Perylene-d12	15.14	264	158892	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	530980	82.91	ng	0.00
7) Phenol-d6	6.27	99	676527	88.02	ng	0.00
23) Nitrobenzene-d5	7.19	82	361419	52.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	105486	87.59	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	665135	74.48	ng	-0.01
78) Terphenyl-d14	12.72	244	407777	34.59	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	47759	10.31	ng	# 88
25) Isophorone	7.19	82	359456	27.83	ng	# 67
49) Dimethylphthalate	9.38	163	124899	11.76	ng	96
56) 2,4-Dinitrotoluene	9.66	165	18236	6.17	ng	# 31
66) 4-Bromophenyl-phenylether	10.44	248	6617	3.11	ng	# 1
74) Fluoranthene	12.34	202	67068	6.18	ng	95
77) Pyrene	12.56	202	74877	4.03	ng	99
80) Benzo(a)anthracene	13.75	228	41340	3.24	ng	95
82) Chrysene	13.79	228	43547	3.47	ng	96
85) Indeno(1,2,3-cd)pyrene	16.44	276	18617	4.87	ng	# 87
87) Benzo(b)fluoranthene	14.76	252	63048	6.58	ng	97
88) Benzo(k)fluoranthene	14.76	252	63048	6.95	ng	97
89) Benzo(a)pyrene	15.09	252	32601	3.71	ng	97
91) Benzo(a,h,i)perylene	16.82	276	18095	2.09	ng	98

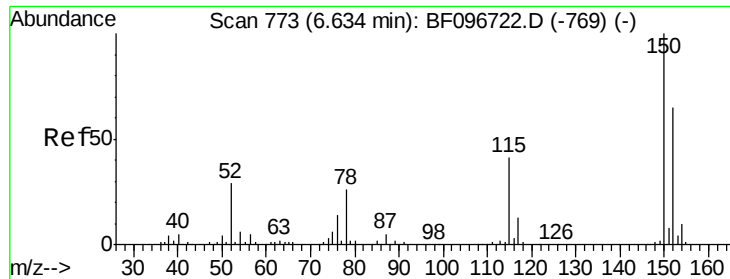
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
Data File : BF096799.D
Acq On : 15 Jul 2017 4:06
Operator : SJ/JU
Sample : I4187-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 15 04:43:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Instrument :

BNA_F

ClientSampleId :

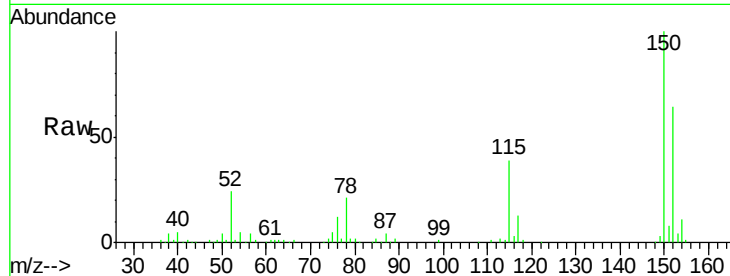
Tot Ion:152 Resp: 96299

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

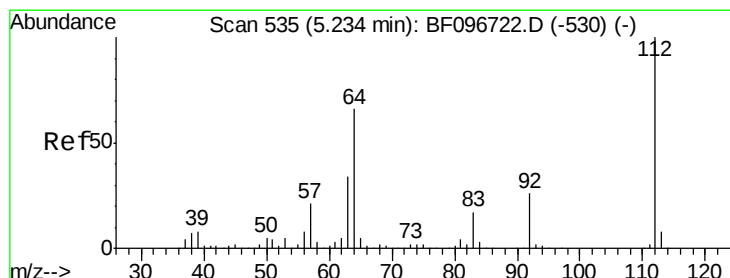
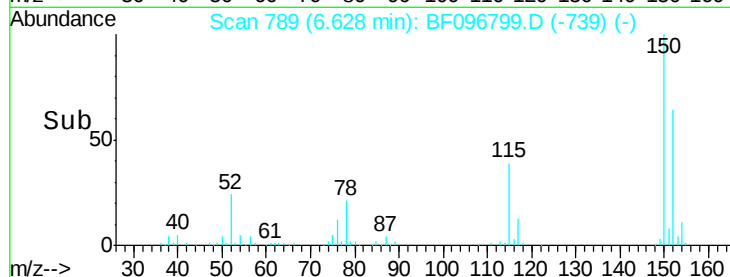
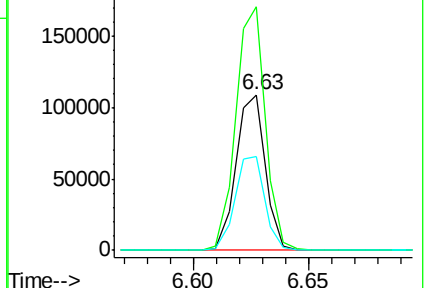
115 60.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 82.91 ng

RT: 5.23 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

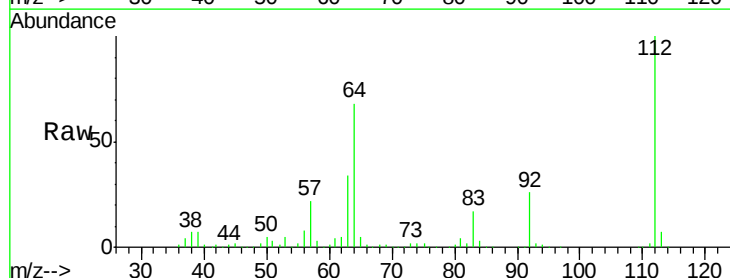
Tgt Ion:112 Resp: 530980

Ion Ratio Lower Upper

112 100

64 67.7 46.0 69.0

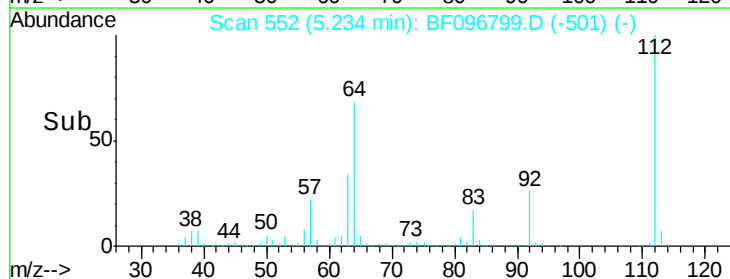
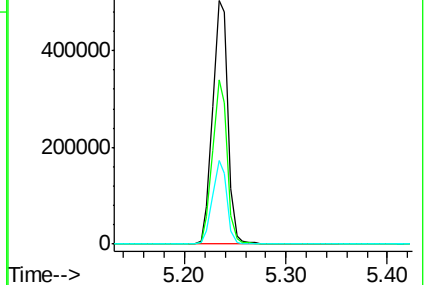
63 34.4 23.4 35.0

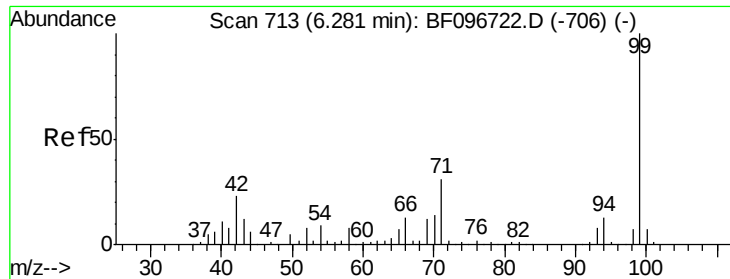


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 88.02 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Instrument :

BNA_F

ClientSampled :

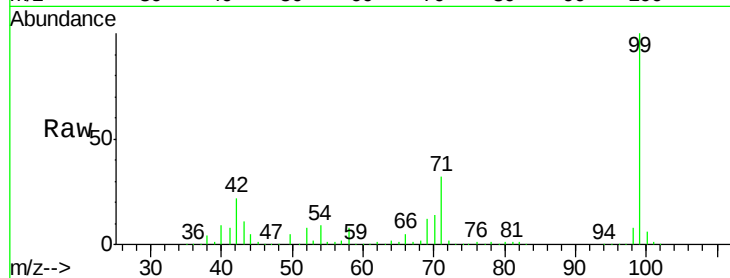
Tot Ion: 99 Resp: 676527

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

71 31.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

800000

600000

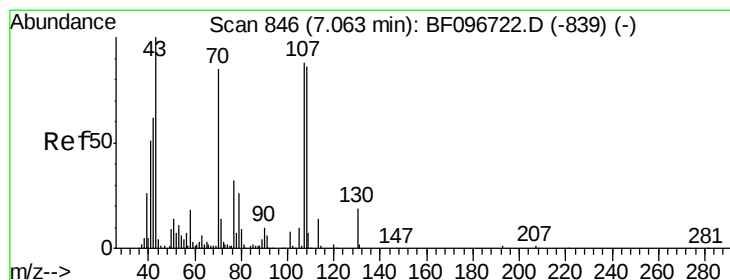
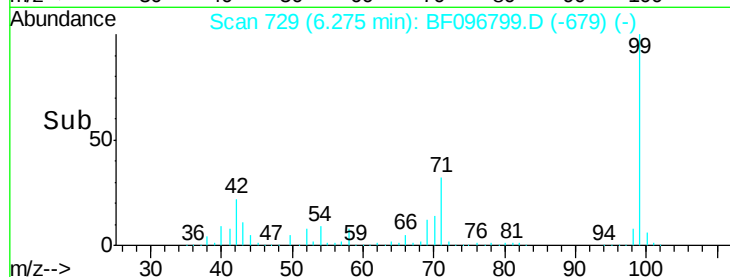
400000

200000

0

6.20 6.25 6.30 6.35 6.40

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 10.31 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Tgt Ion: 70 Resp: 47759

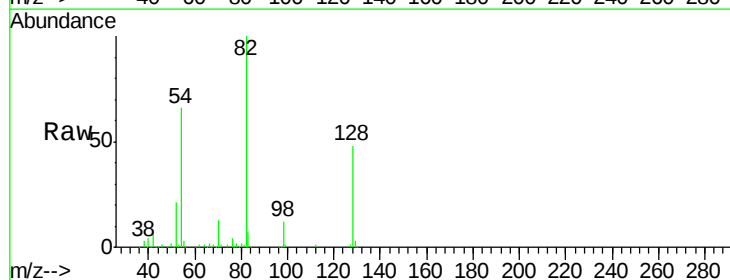
Ion Ratio Lower Upper

70 100

42 60.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

80000

60000

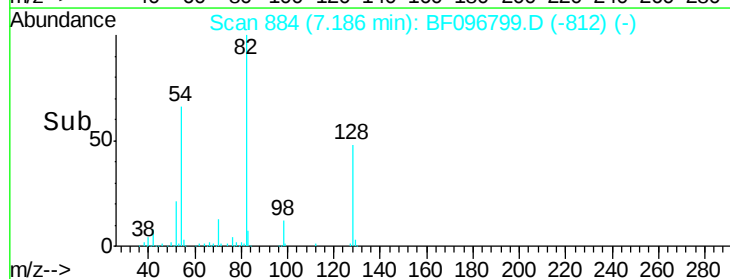
40000

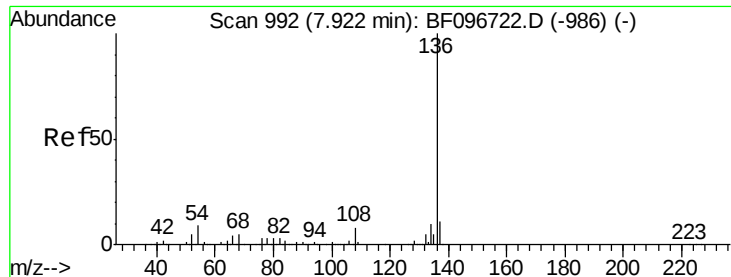
20000

0

7.15 7.20 7.25

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 430083

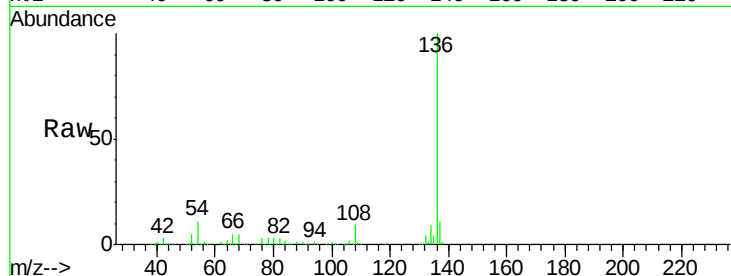
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.6 4.9 7.3#

68 5.4 4.1 6.1

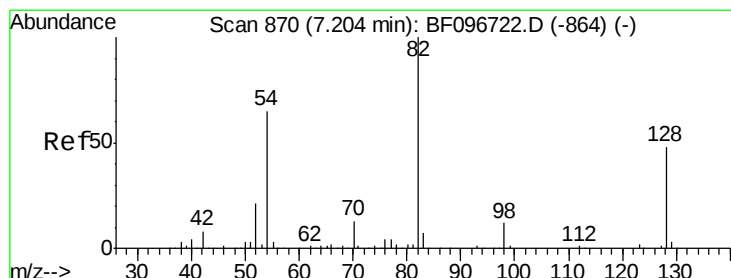
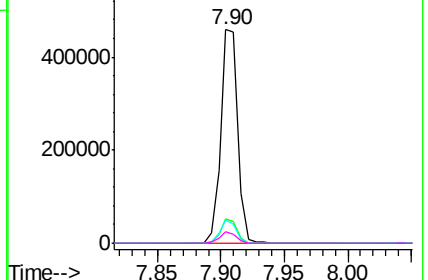
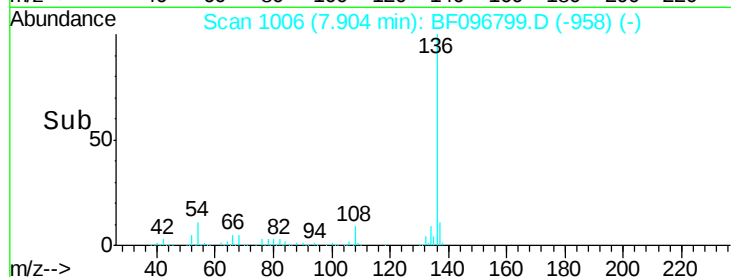


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 52.05 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

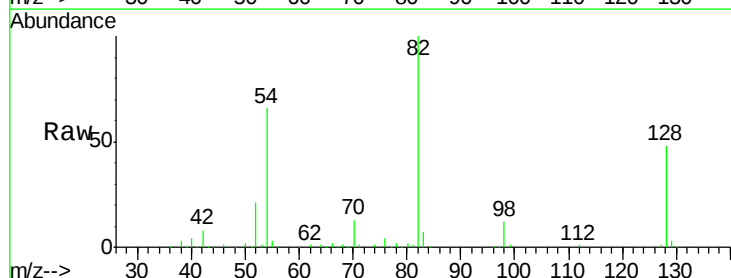
Tgt Ion: 82 Resp: 361419

Ion Ratio Lower Upper

82 100

128 48.3 34.0 51.0

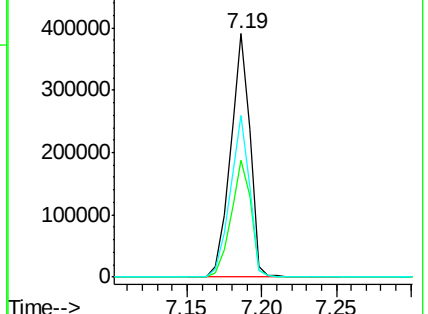
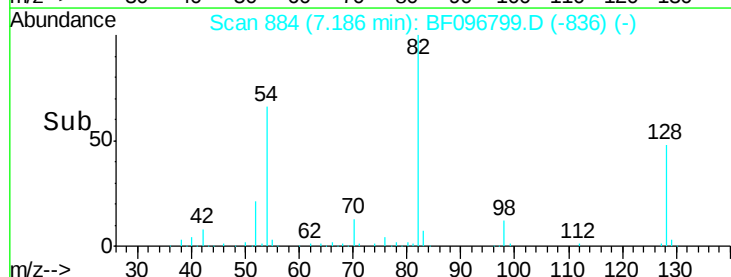
54 66.2 42.2 63.2#

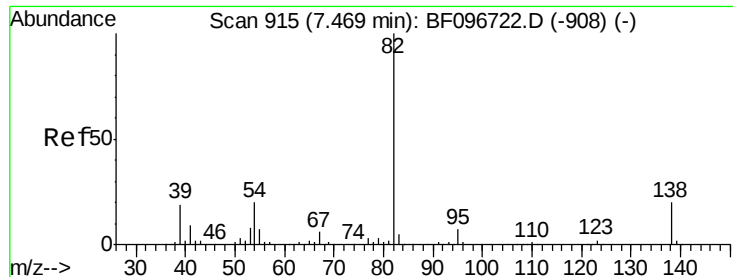


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.83 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Instrument :

BNA_F

ClientSampled :

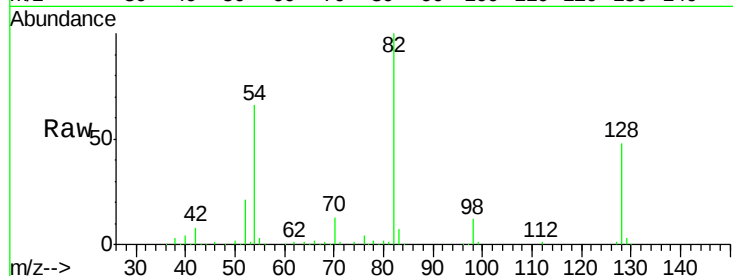
Tot Ion: 82 Resp: 359456

Ion Ratio Lower Upper

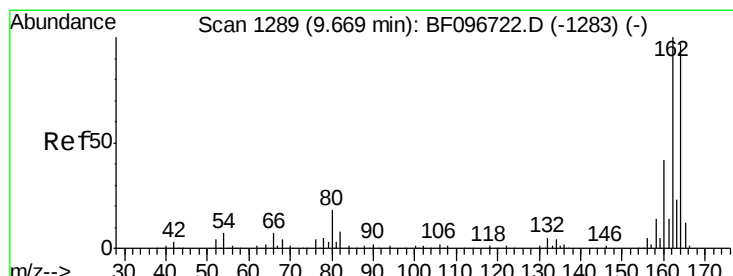
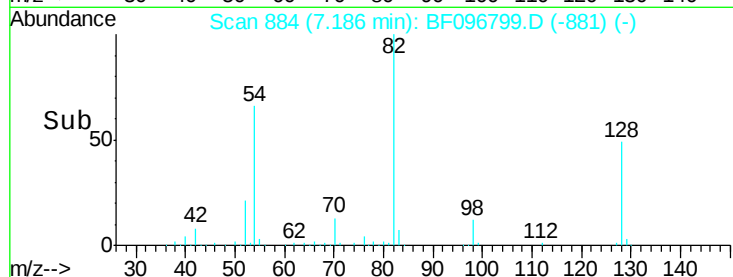
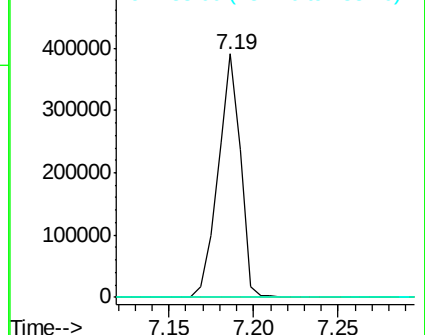
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

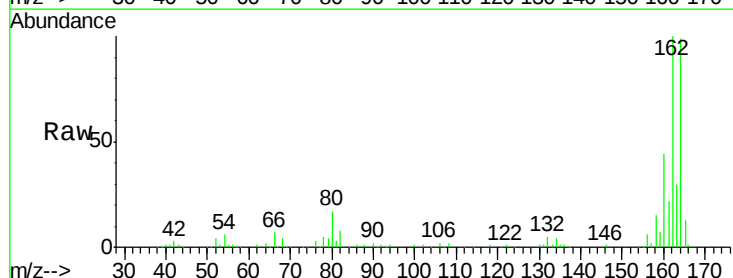
Tgt Ion: 164 Resp: 141097

Ion Ratio Lower Upper

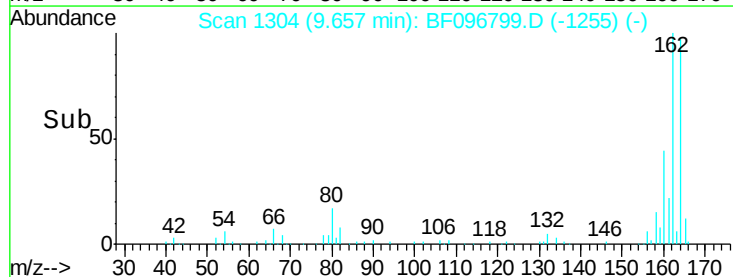
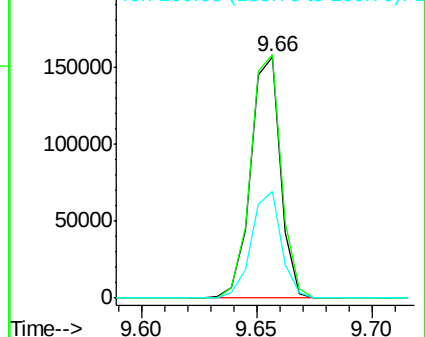
164 100

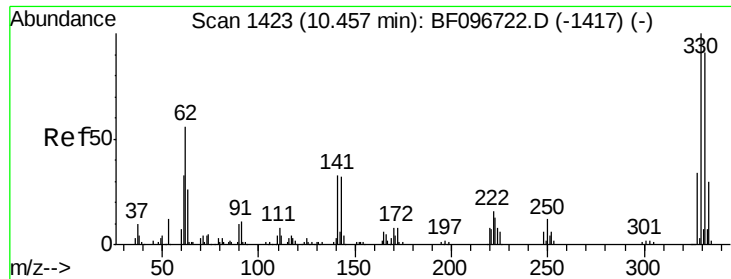
162 100.8 82.6 123.8

160 44.2 36.2 54.2



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

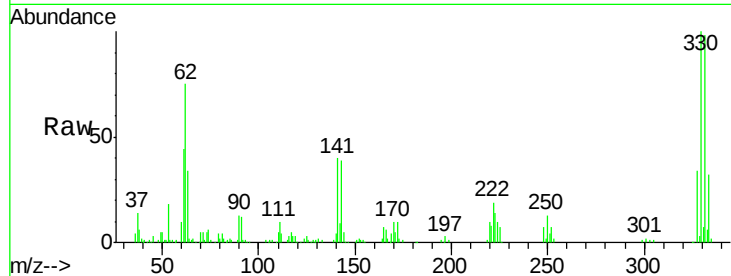




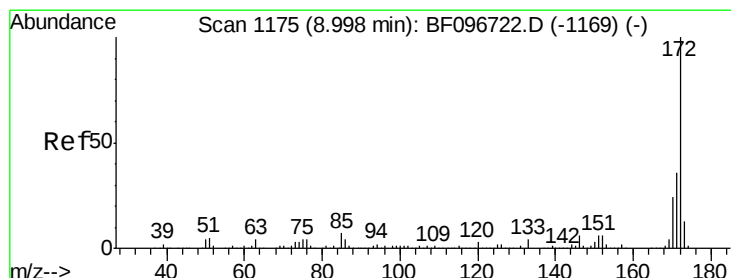
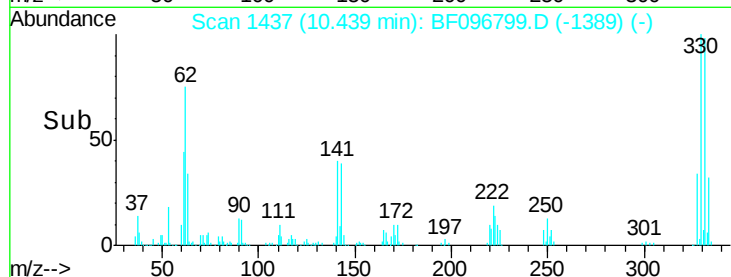
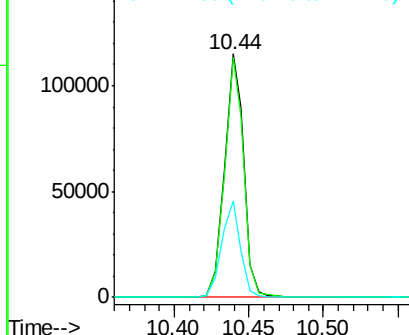
#41
 2,4,6-Tribromophenol
 Concen: 87.59 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096799.D
 Acq: 15 Jul 2017 4:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	115.0
141	38.1	31.4	47.2

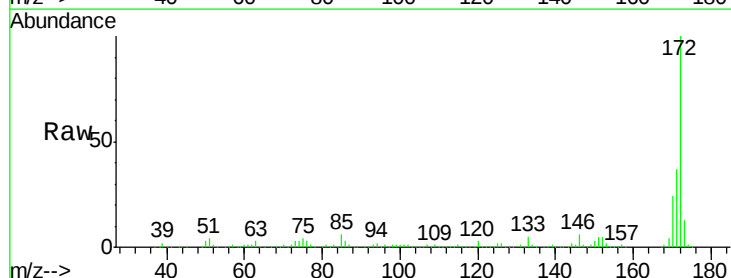


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

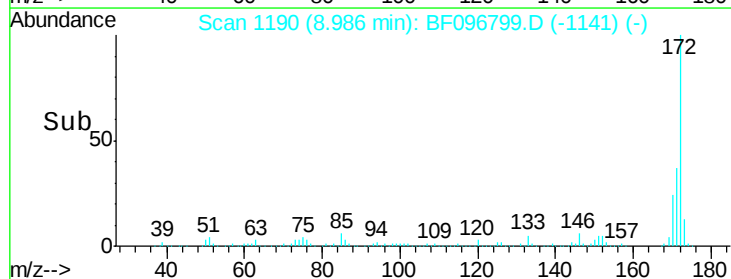
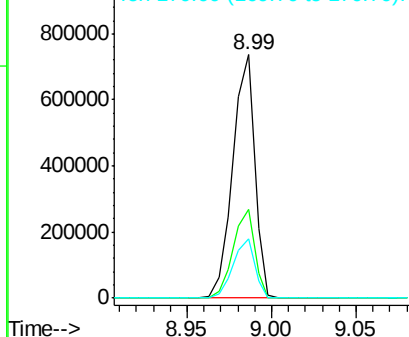


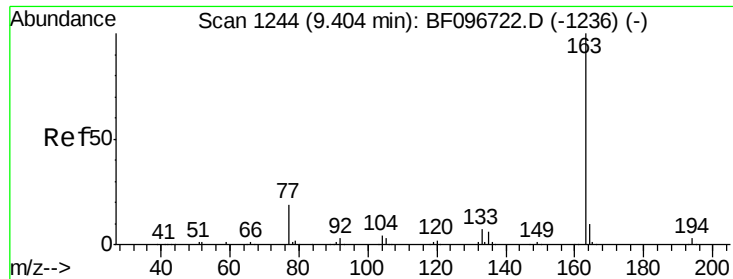
#44
 2-Fluorobiphenyl
 Concen: 74.48 ng
 RT: 8.99 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096799.D
 Acq: 15 Jul 2017 4:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.1	19.8	29.8



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

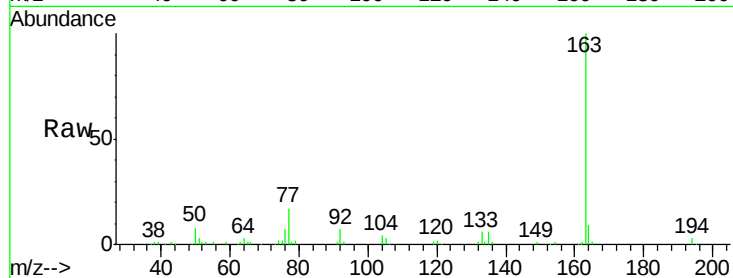




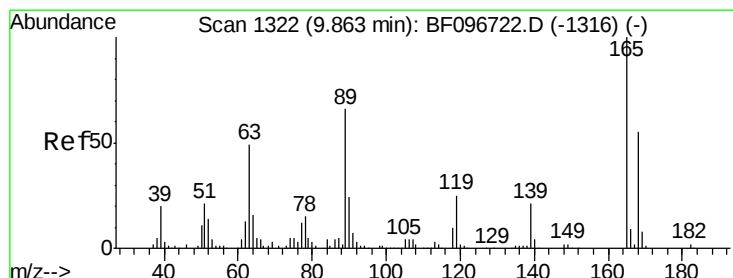
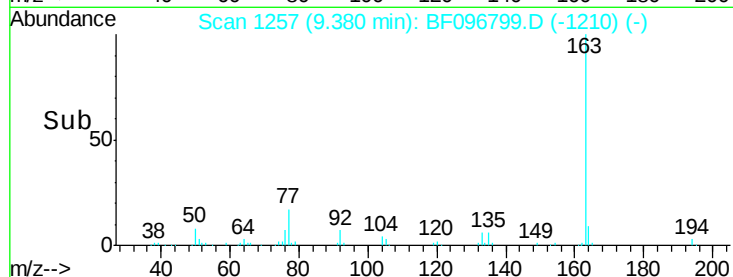
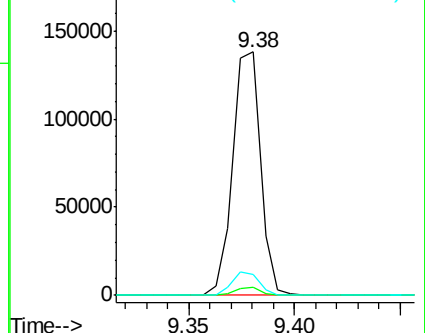
#49
Dimethylphthalate
Concen: 11.76 ng
RT: 9.38 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	8.6	8.4	12.6

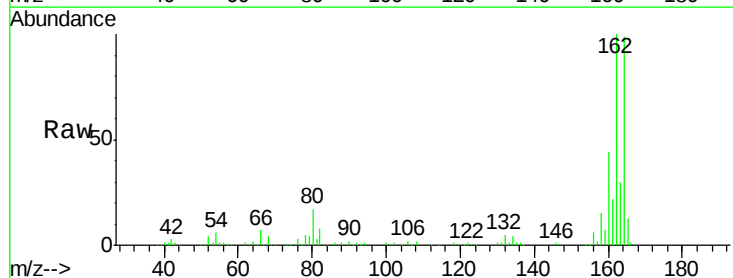


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

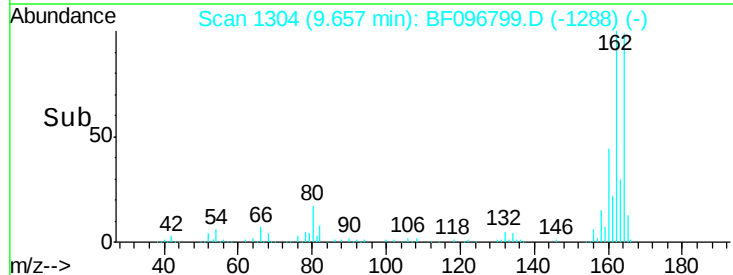
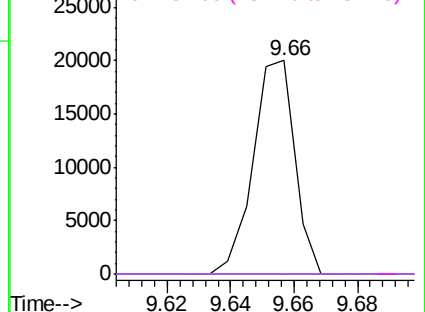


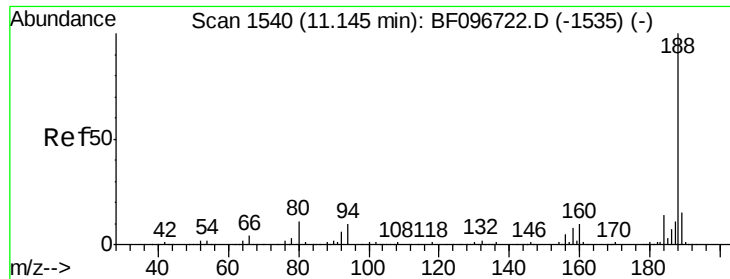
#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 9.66 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

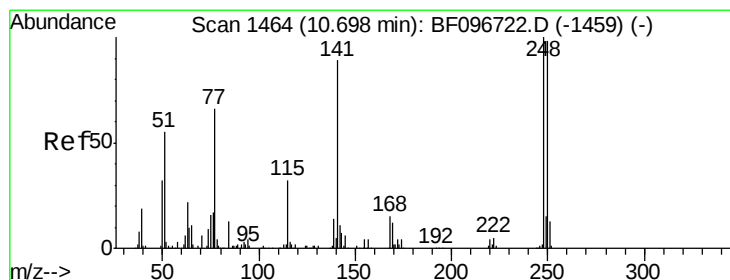
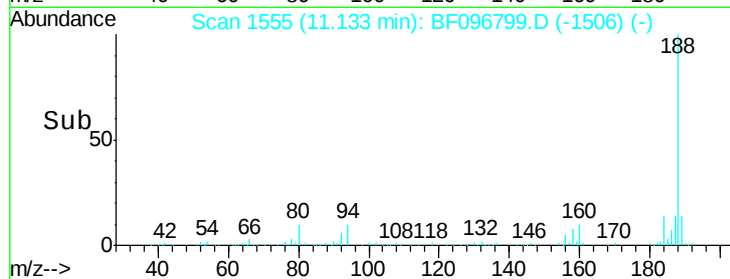
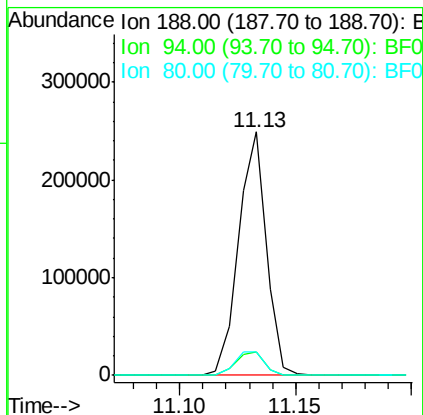
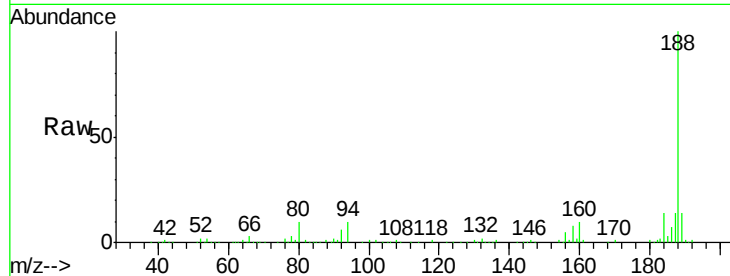




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

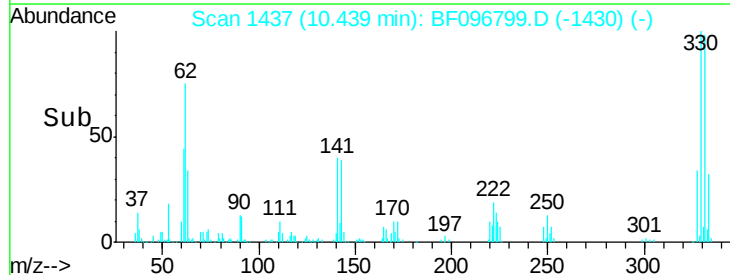
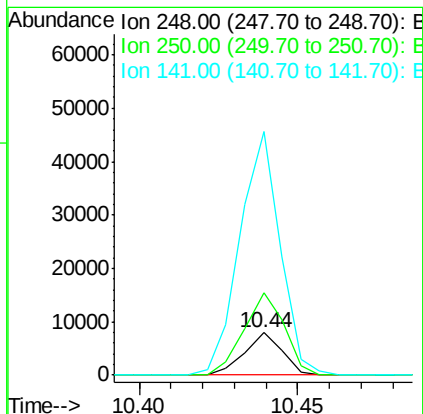
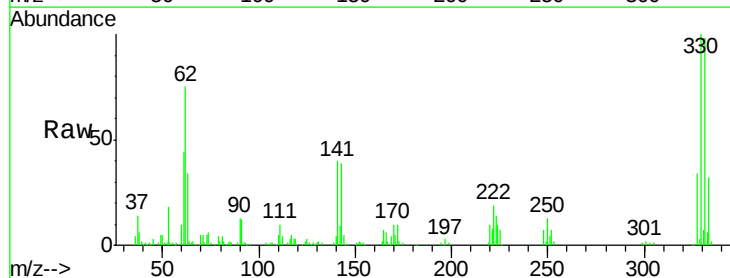
Instrument :
BNA_F
ClientSampleId :

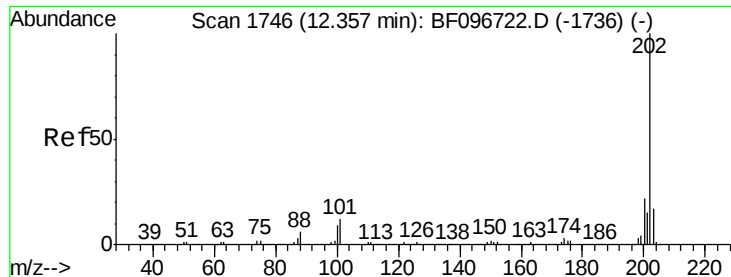
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	9.4	14.2
80	9.7	10.2	15.2#



#66
4-Bromophenyl-phenylether
Concen: 3.11 ng
RT: 10.44 min Scan# 1437
Delta R.T. -0.26 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

Tgt Ion	Ratio	Lower	Upper
248	100		
250	193.7	76.8	115.2#
141	575.4	68.6	103.0#





#74

Fluoranthene

Concen: 6.18 ng

RT: 12.34 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Instrument :

BNA_F

ClientSampleId :

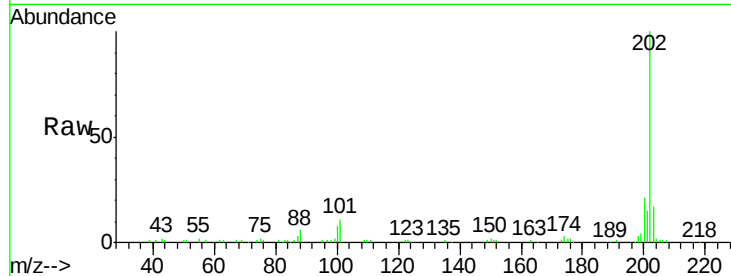
Tot Ion:202 Resp: 67068

Ion Ratio Lower Upper

202 100

101 10.5 0.0 33.2

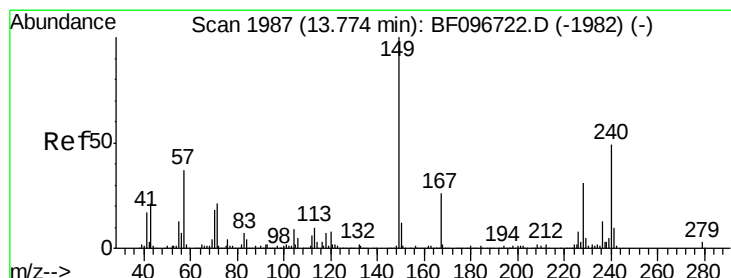
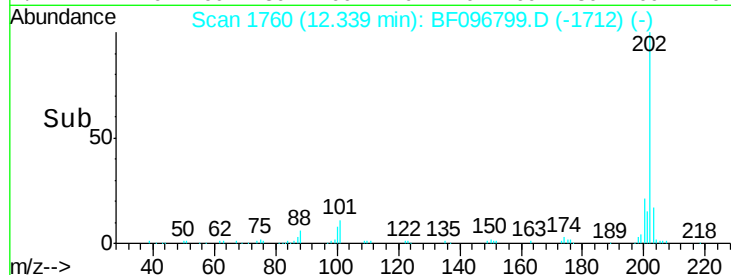
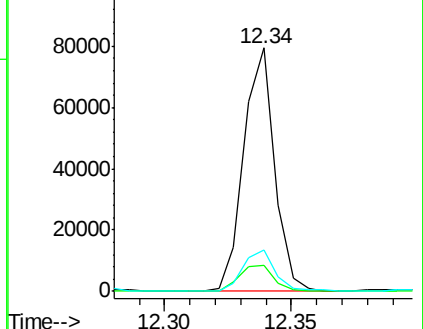
203 16.8 0.0 38.1



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: 20.00 ng

RT: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

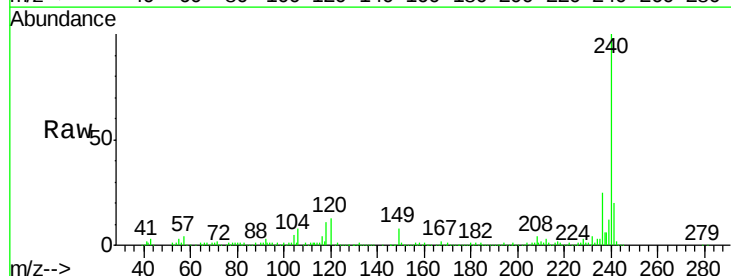
Tgt Ion:240 Resp: 204473

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

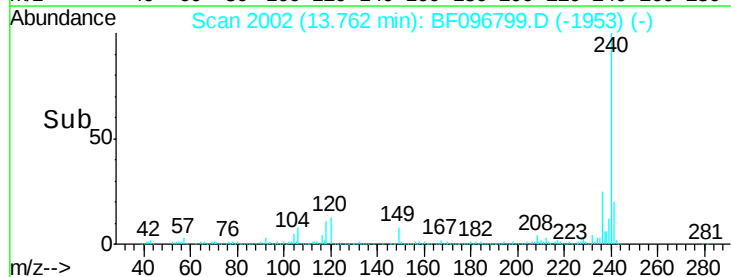
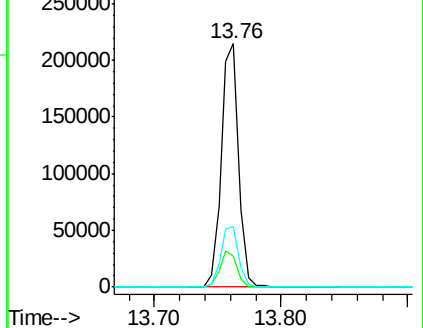
236 25.1 20.5 30.7

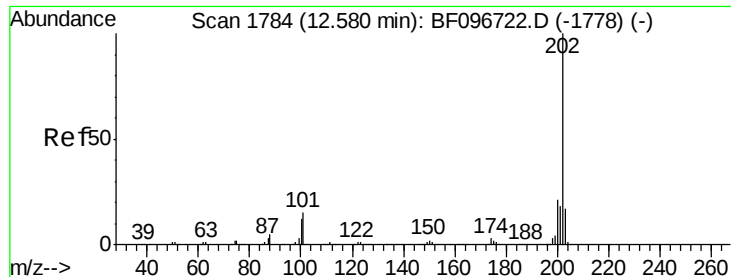


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.03 ng

RT: 12.56 min Scan# 1798

Delta R.T. -0.02 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Instrument :

BNA_F

ClientSampleId :

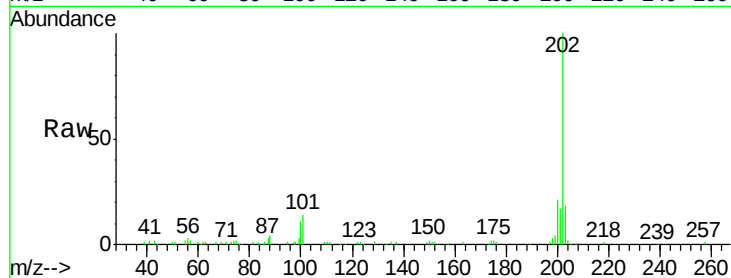
Tot Ion:202 Resp: 74877

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

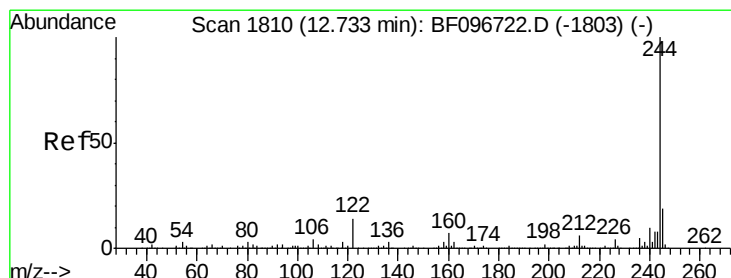
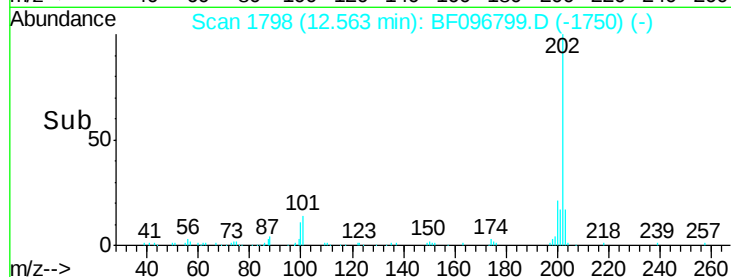
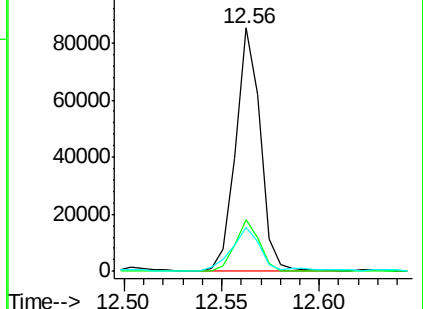
203 17.8 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 34.59 ng

RT: 12.72 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

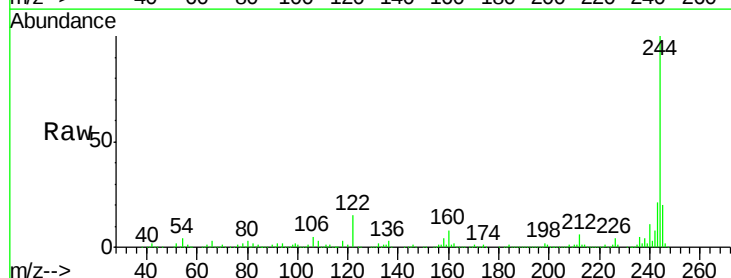
Tgt Ion:244 Resp: 407777

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

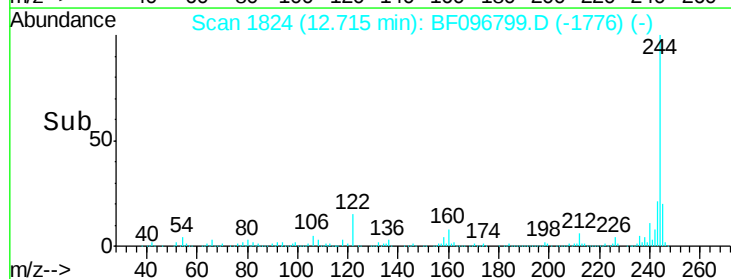
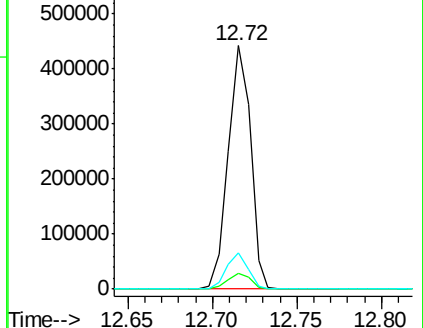
122 15.0 10.3 15.5

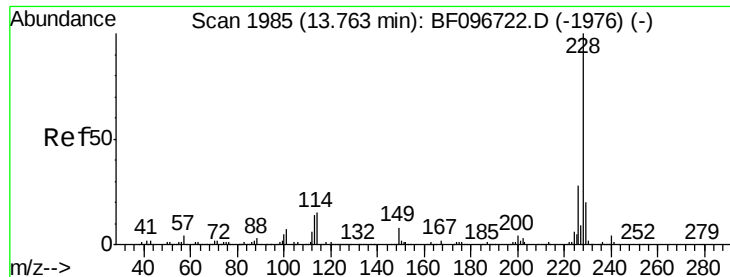


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

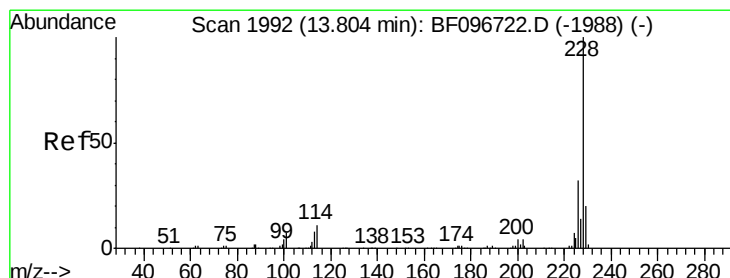
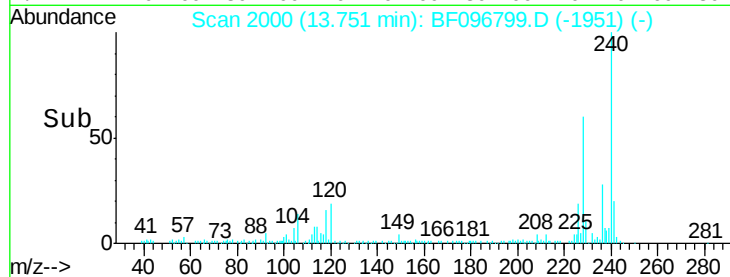
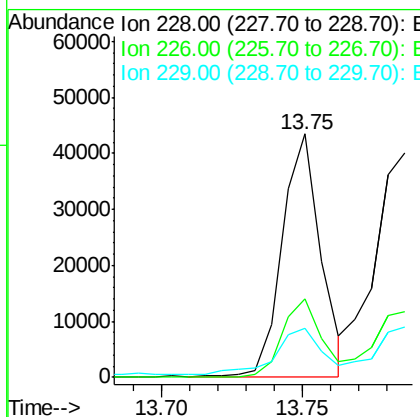
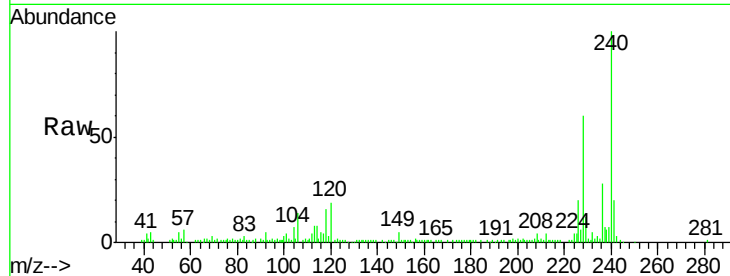




#80
Benzo(a)anthracene
Concen: 3.24 ng
RT: 13.75 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

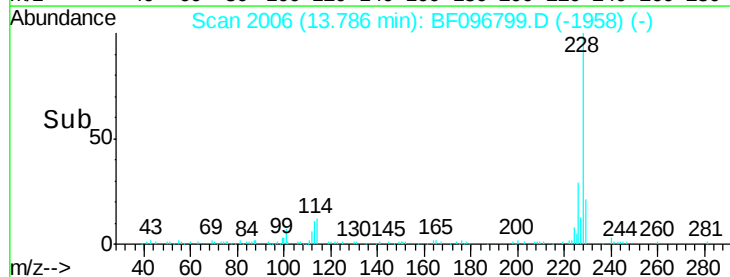
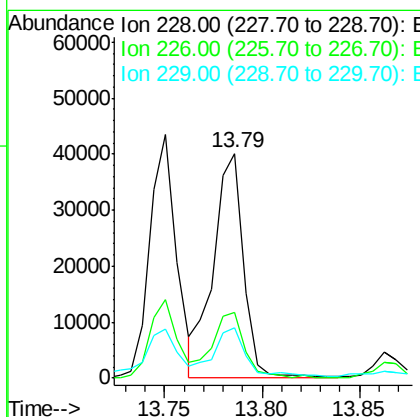
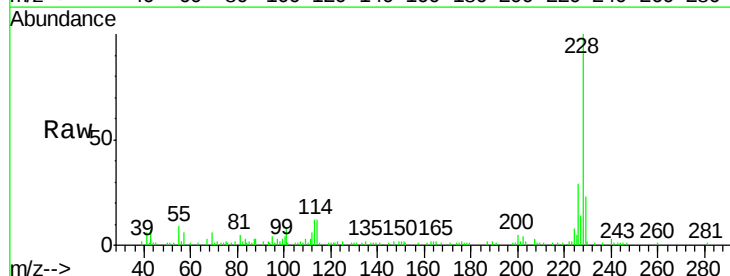
Instrument :
BNA_F
ClientSampled :

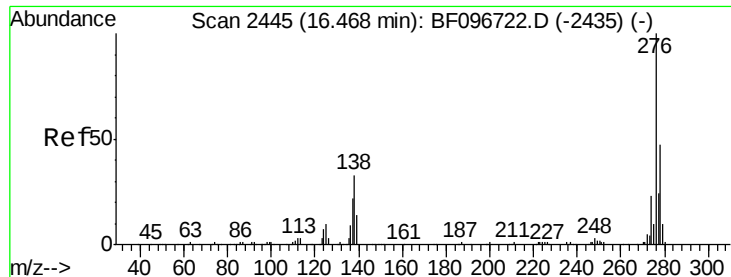
Tot Ion:228 Resp: 41340
Ion Ratio Lower Upper
228 100
226 32.5 22.6 33.8
229 19.9 16.3 24.5



#82
Chrysene
Concen: 3.47 ng
RT: 13.79 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

Tgt Ion:228 Resp: 43547
Ion Ratio Lower Upper
228 100
226 29.3 24.9 37.3
229 22.5 15.8 23.6

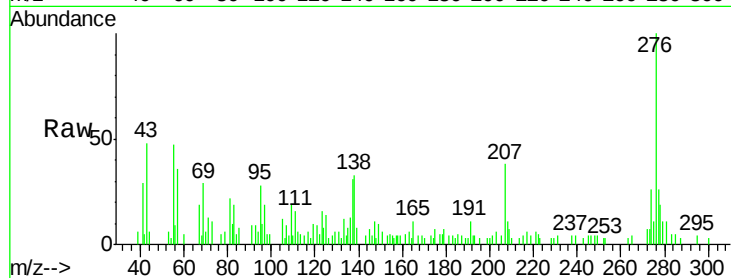




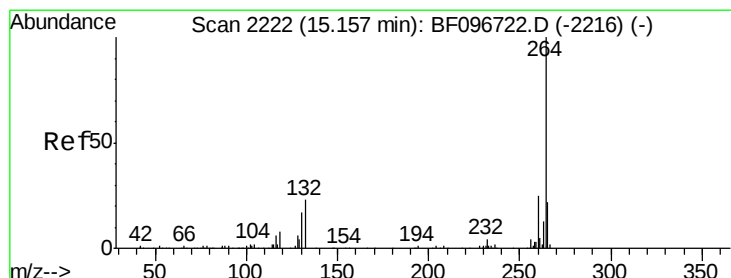
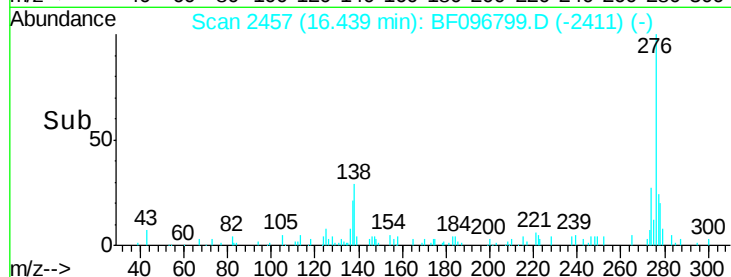
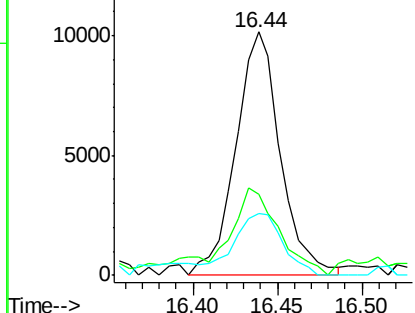
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.87 ng
 RT: 16.44 min Scan# 2457
 Delta R.T. -0.03 min
 Lab File: BF096799.D
 Acq: 15 Jul 2017 4:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	44.8	27.8	41.6#
277	28.3	20.2	30.4

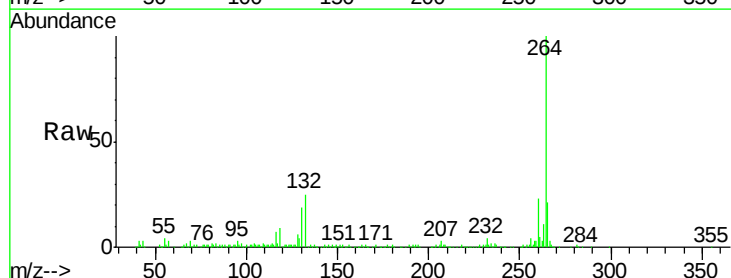


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

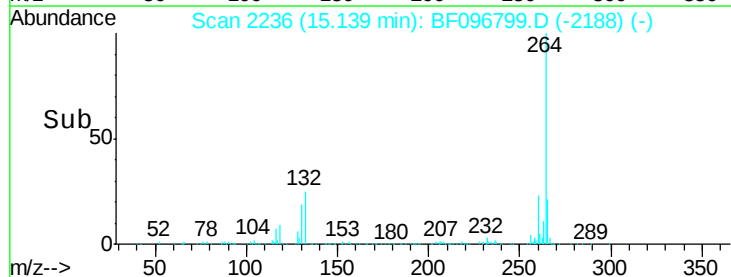
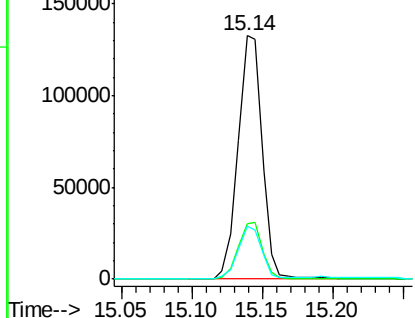


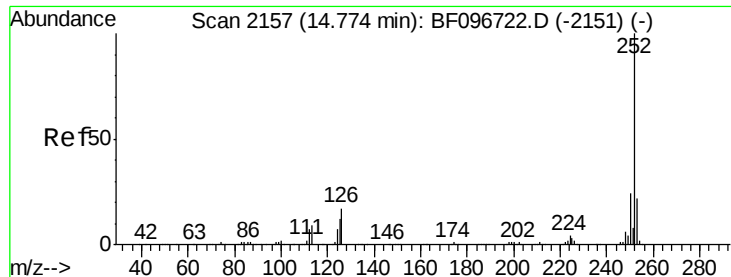
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.14 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF096799.D
 Acq: 15 Jul 2017 4:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	21.5	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.58 ng

RT: 14.76 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

Instrument :

BNA_F

ClientSampleId :

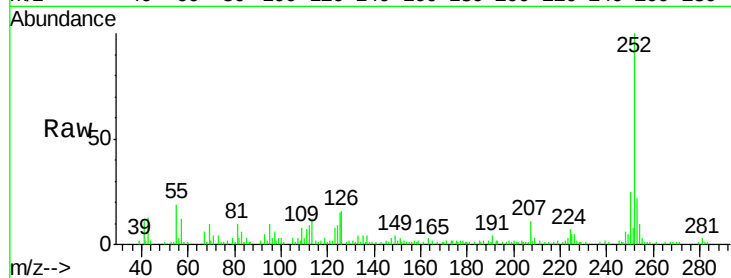
Tot Ion:252 Resp: 63048

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

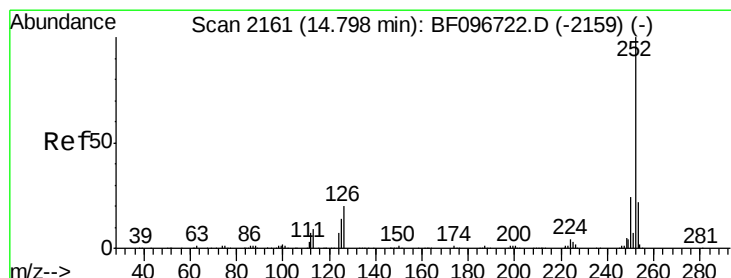
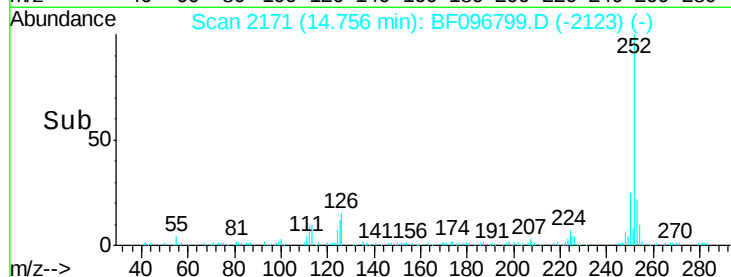
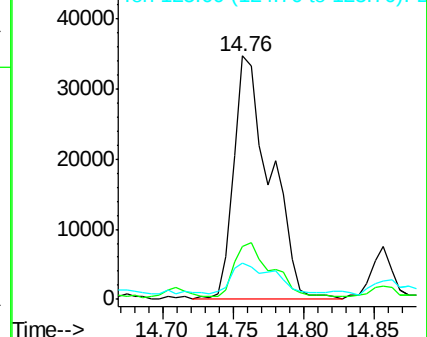
125 14.6 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 6.95 ng

RT: 14.76 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BF096799.D

Acq: 15 Jul 2017 4:06

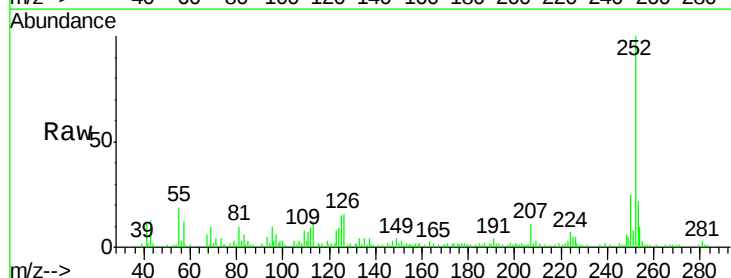
Tgt Ion:252 Resp: 63048

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

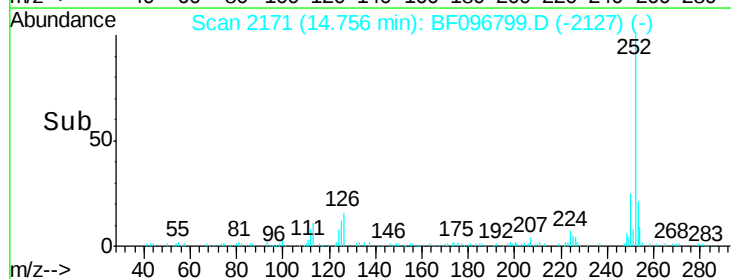
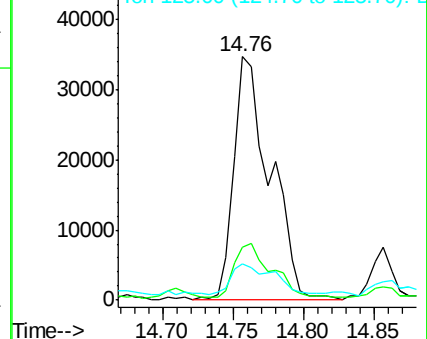
125 14.6 13.1 19.7

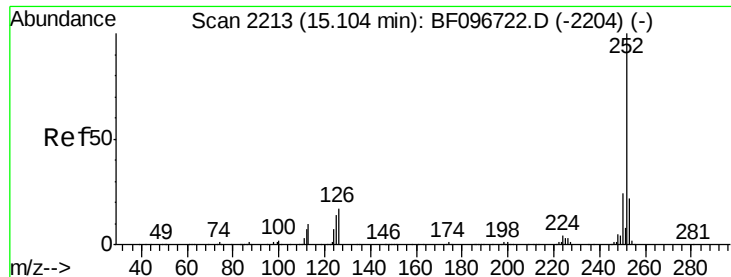


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

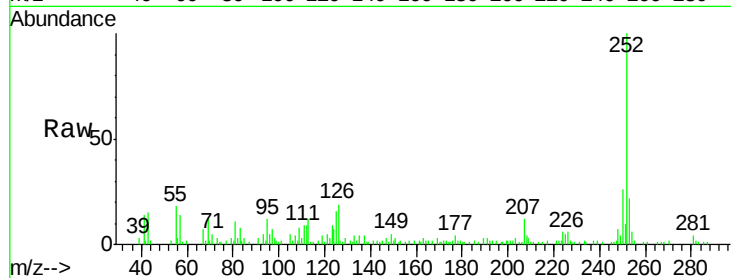




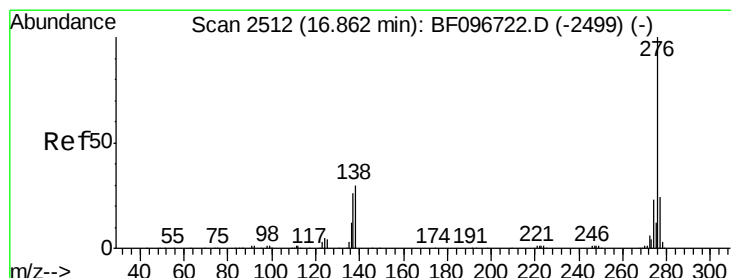
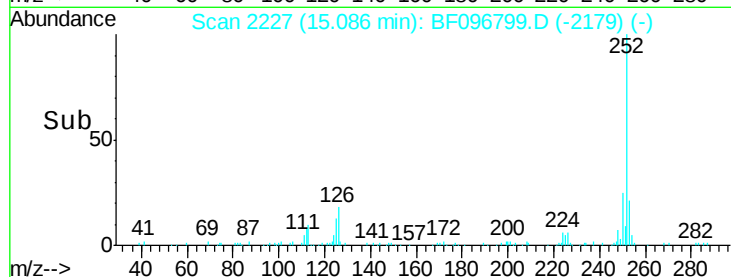
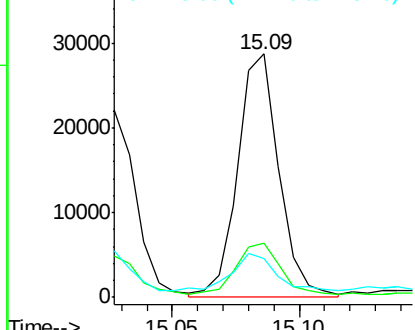
#89
Benzo(a)pyrene
Concen: 3.71 ng
RT: 15.09 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.0	11.0	16.4

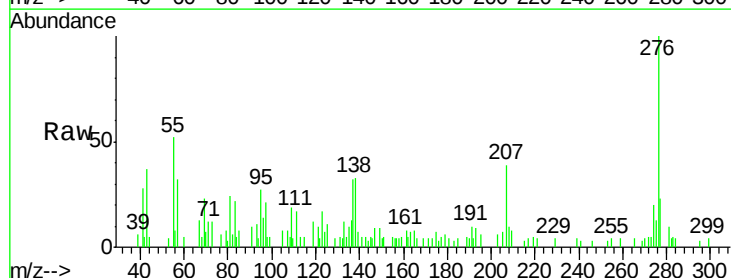


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.09 ng
RT: 16.82 min Scan# 2522
Delta R.T. -0.04 min
Lab File: BF096799.D
Acq: 15 Jul 2017 4:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	33.4	25.4	38.0



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

