

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096533.D
 Acq On : 6 Jul 2017 15:14
 Operator : SJ/MA
 Sample : I4036-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CIY-SB-01-0-50

Quant Time: Jul 06 18:25:55 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	121426	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	505400	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	185135	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	270241	20.00	ng	0.00
75) Chrysene-d12	13.86	240	239617	20.00	ng	0.00
86) Perylene-d12	15.27	264	189954	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	804464	97.79	ng	0.01
7) Phenol-d6	6.36	99	1028259	101.67	ng	0.00
23) Nitrobenzene-d5	7.27	82	602295	71.61	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	138377	95.69	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	851894	78.67	ng	0.00
78) Terphenyl-d14	12.82	244	464448	41.42	ng	0.00

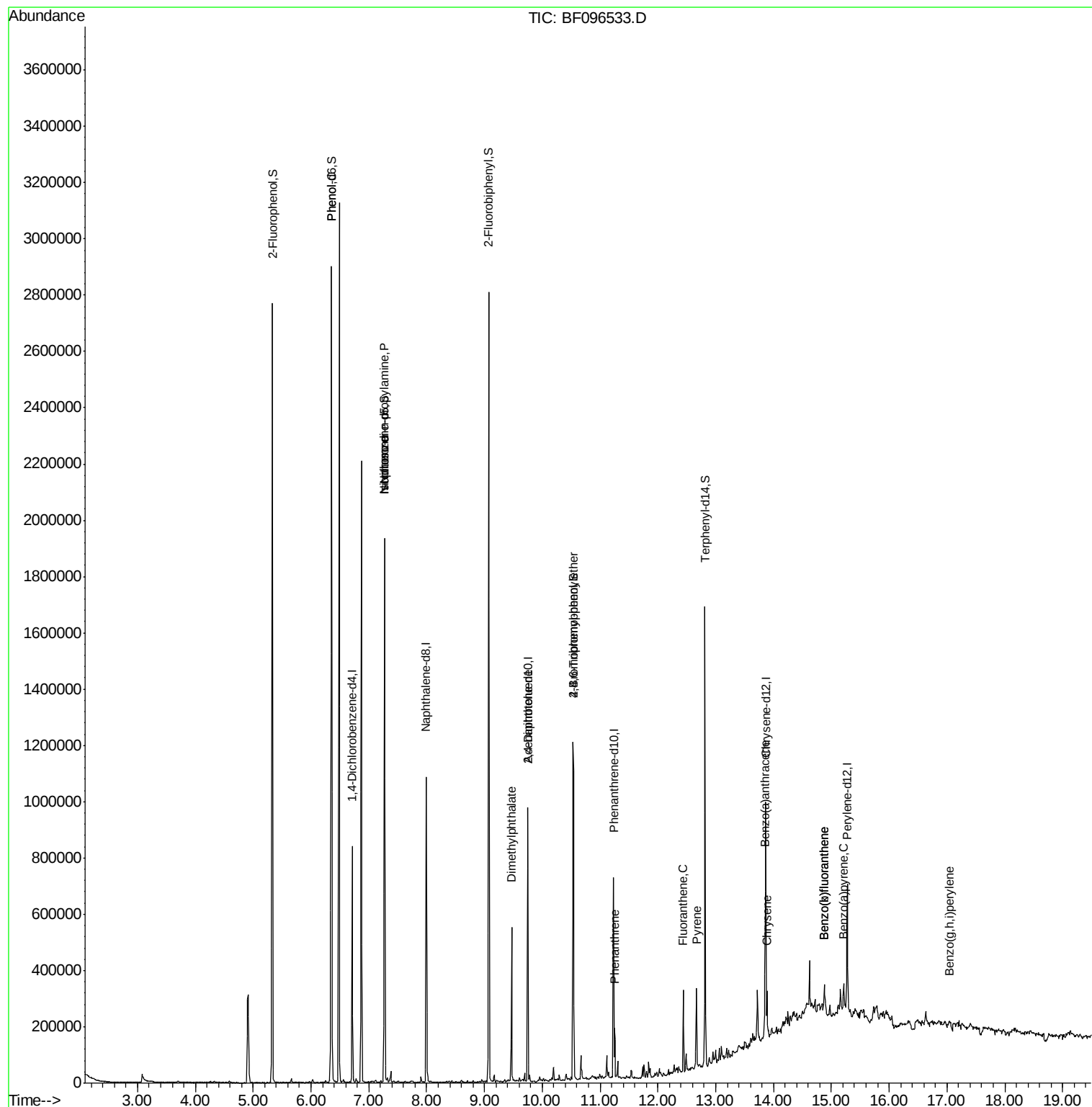
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	36593	3.176	ng	# 76
19) n-Nitroso-di-n-propylamine	7.27	70	80504	13.361	ng	# 88
25) Isophorone	7.27	82	599656	36.772	ng	# 67
49) Dimethylphthalate	9.47	163	209375	15.150	ng	# 99
56) 2,4-Dinitrotoluene	9.75	165	23873	6.168	ng	# 33
66) 4-Bromophenyl-phenylether	10.54	248	9041	3.437	ng	# 1
70) Phenanthrene	11.25	178	61217	4.190	ng	97
74) Fluoranthene	12.44	202	103277	7.211	ng	98
77) Pyrene	12.67	202	110380	5.739	ng	98
80) Benzo(a)anthracene	13.85	228	58968	4.250	ng	98
82) Chrysene	13.89	228	55345	3.809	ng	96
87) Benzo(b)fluoranthene	14.87	252	66186	5.561	ng	# 91
88) Benzo(k)fluoranthene	14.87	252	66186	6.216	ng	95
89) Benzo(a)pyrene	15.22	252	42959	4.043	ng	# 92
91) Benzo(g,h,i)perylene	17.04	276	21205	2.448	ng	94

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

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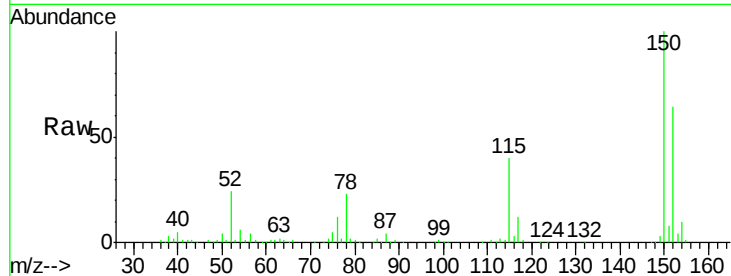




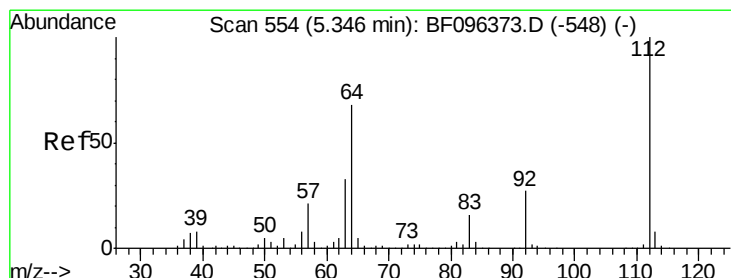
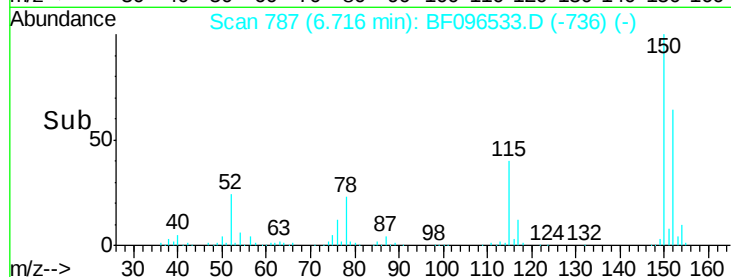
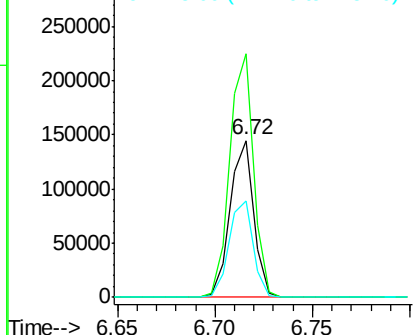
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 CIY-SB-01-0-50

Tgt Ion:152 Resp: 121426
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.2 189.2
 115 61.5 52.2 78.2

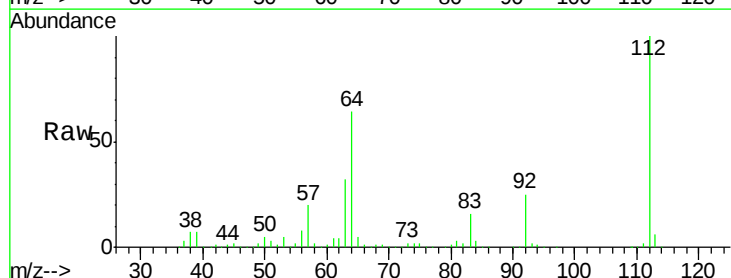


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

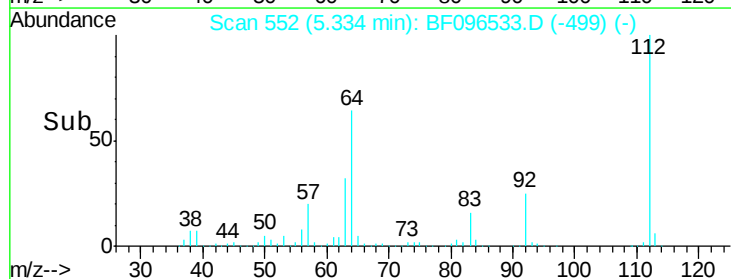
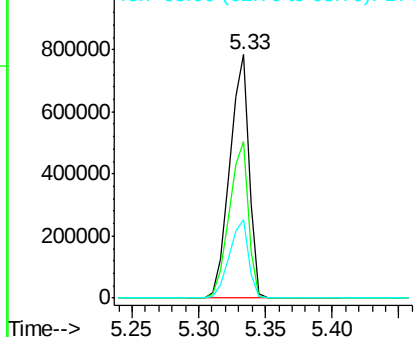


#5
 2-Fluorophenol
 Concen: 97.785 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

Tgt Ion:112 Resp: 804464
 Ion Ratio Lower Upper
 112 100
 64 64.1 46.0 69.0
 63 32.2 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: 101.669 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

Instrument :

BNA_F

ClientSampleId :

CIY-SB-01-0-50

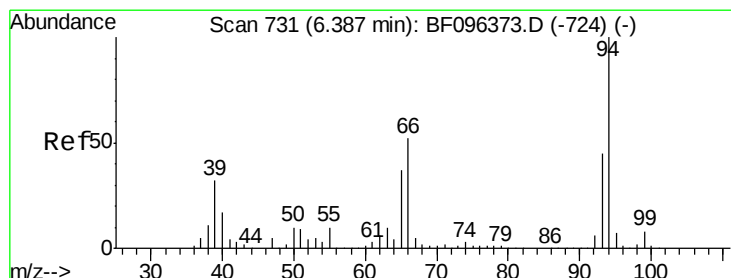
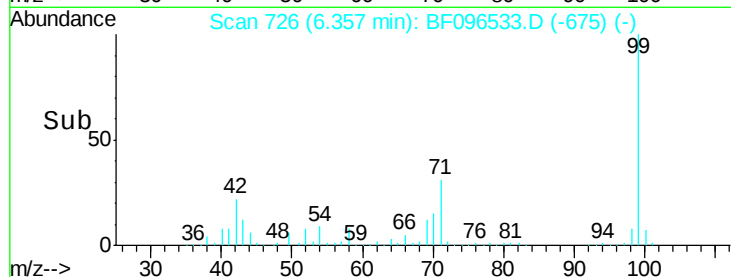
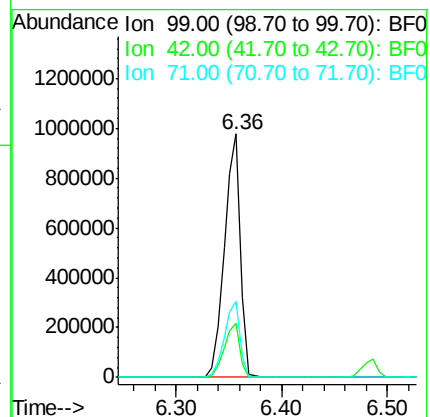
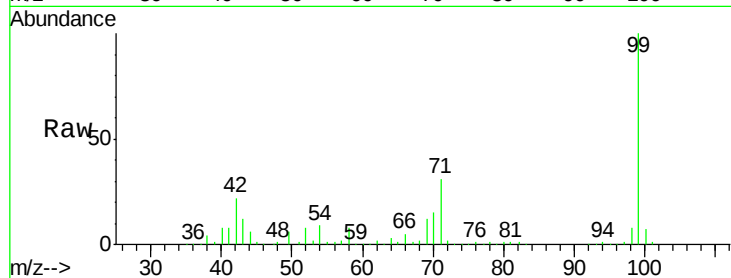
Tgt Ion: 99 Resp: 1028259

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

71 31.4 24.5 36.7



#10

Phenol

Concen: 3.176 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

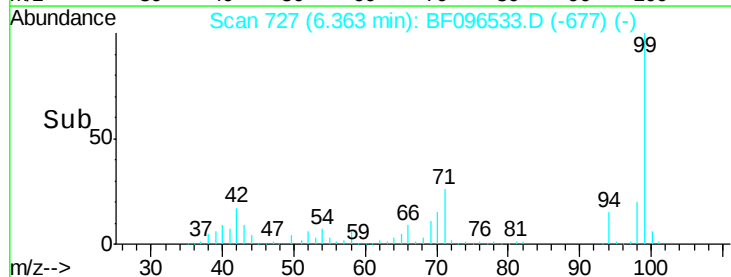
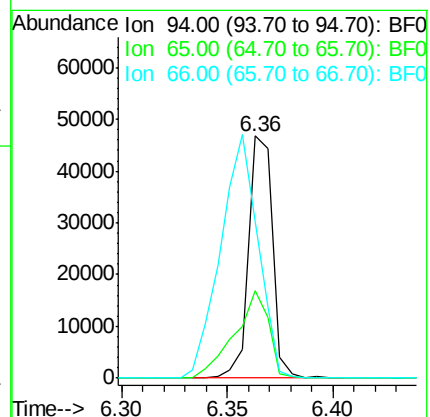
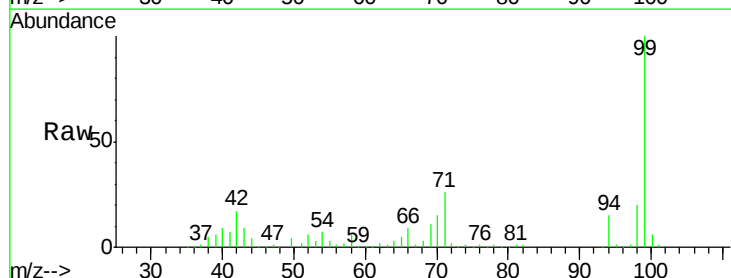
Tgt Ion: 94 Resp: 36593

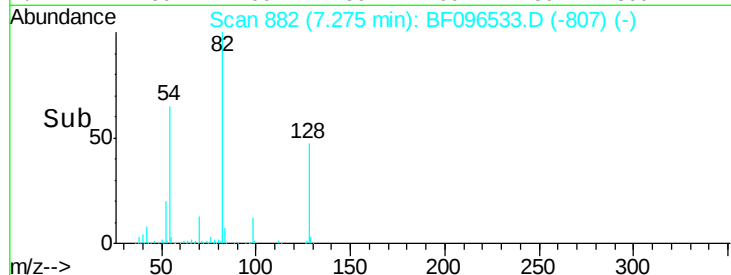
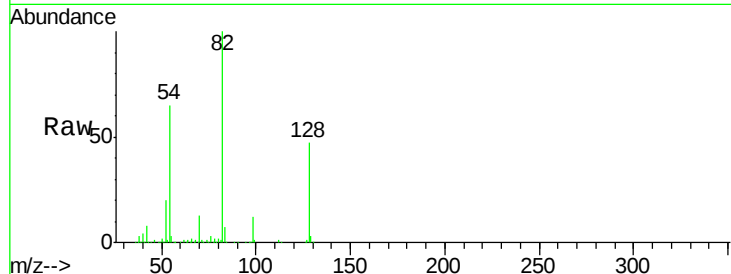
Ion Ratio Lower Upper

94 100

65 36.0 9.9 49.9

66 64.6 23.1 63.1#

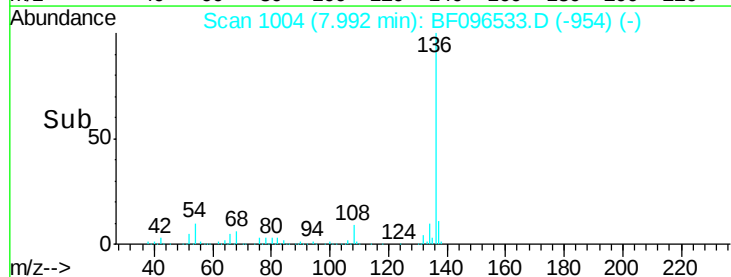
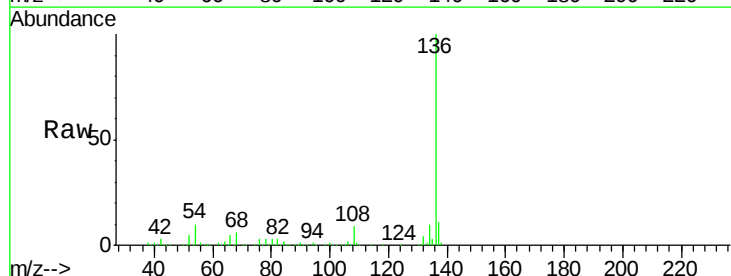
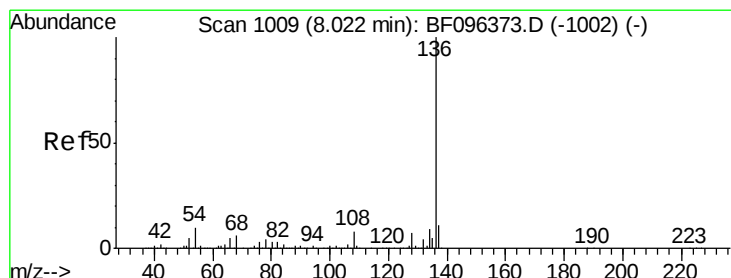
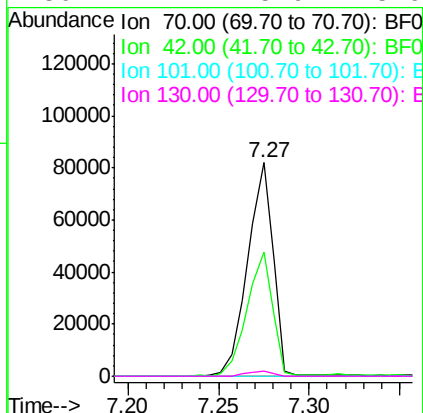




#19
n-Nitroso-di-n-propylamine
Concen: 13.361 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

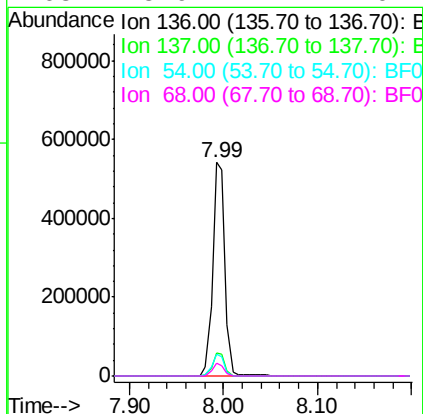
Instrument :
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CIY-SB-01-0-50

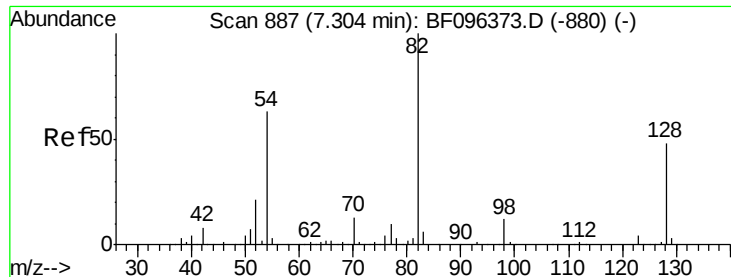
Tgt Ion:	70	Resp:	80504
Ion	Ratio	Lower	Upper
70	100		
42	58.2	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

Tgt Ion:	136	Resp:	505400
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.4	4.9	7.3#
68	5.9	4.1	6.1

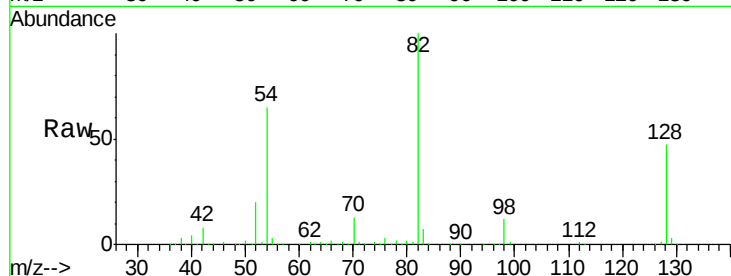




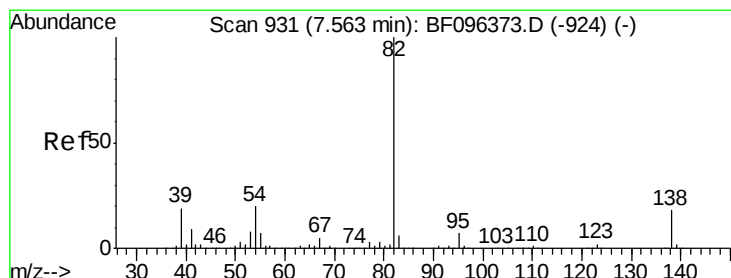
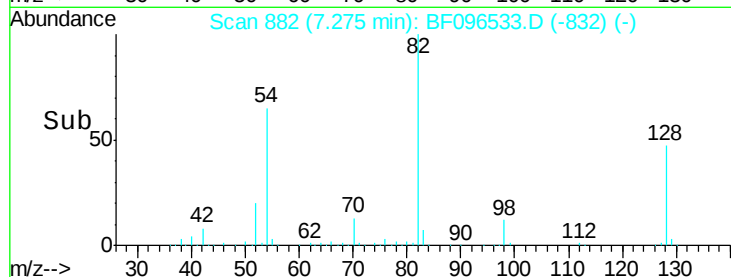
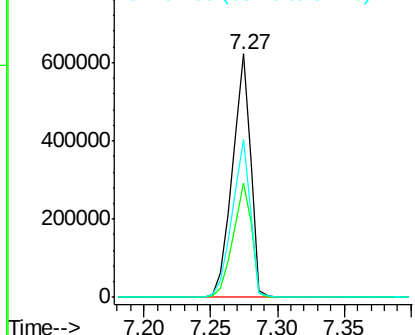
#23
Nitrobenzene-d5
Concen: 71.611 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

Instrument :
BNA_F
ClientSampleId :
CIY-SB-01-0-50

Tgt Ion: 82 Resp: 602295
Ion Ratio Lower Upper
82 100
128 47.2 34.0 51.0
54 65.1 42.2 63.2#

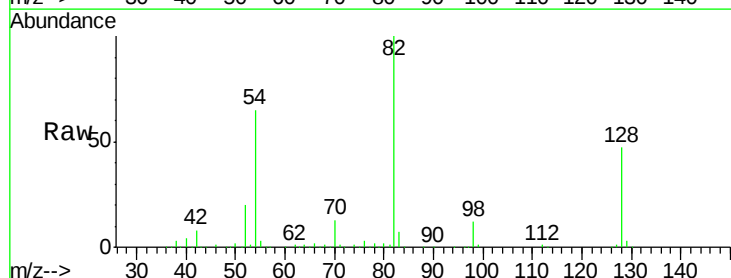


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

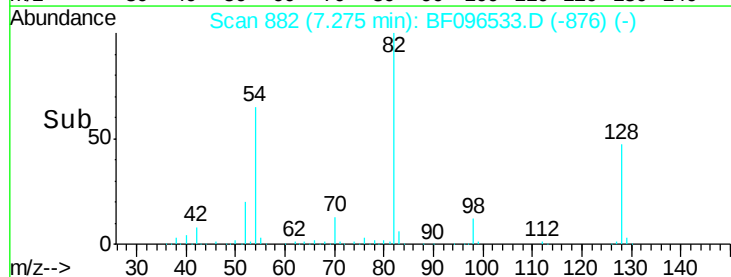
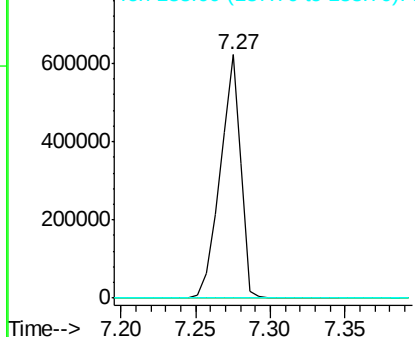


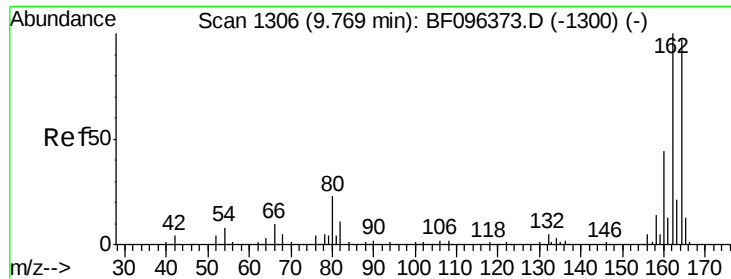
#25
Isophorone
Concen: 36.772 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

Tgt Ion: 82 Resp: 599656
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: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

Instrument :

BNA_F

ClientSampleId :

CIY-SB-01-0-50

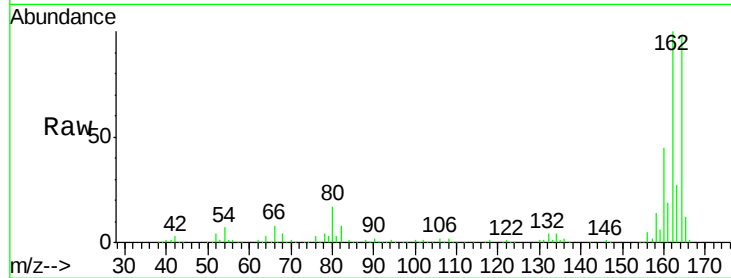
Tgt Ion:164 Resp: 185135

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

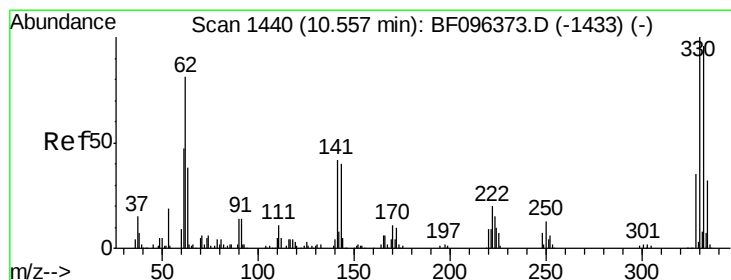
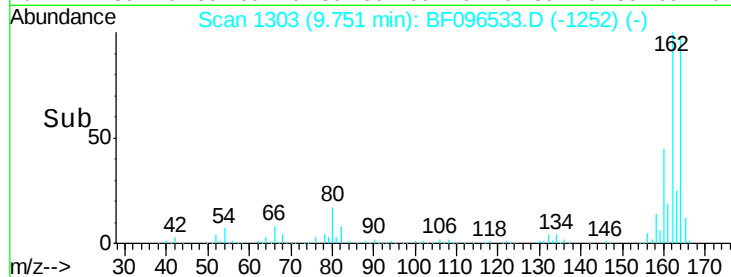
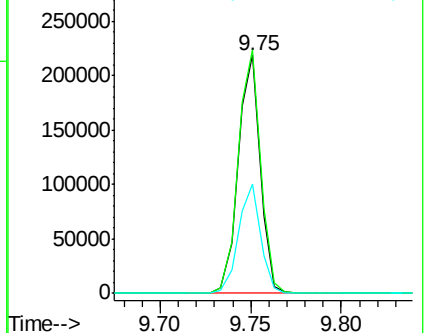
160 45.8 36.2 54.2



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: 95.688 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

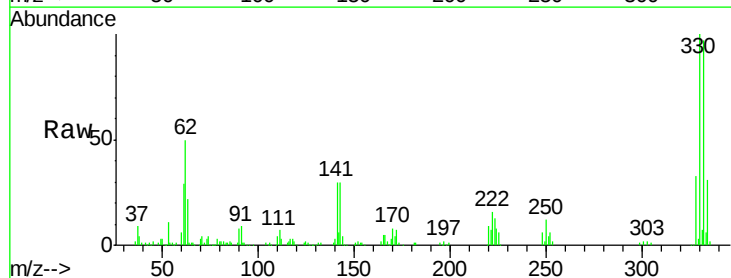
Tgt Ion:330 Resp: 138377

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

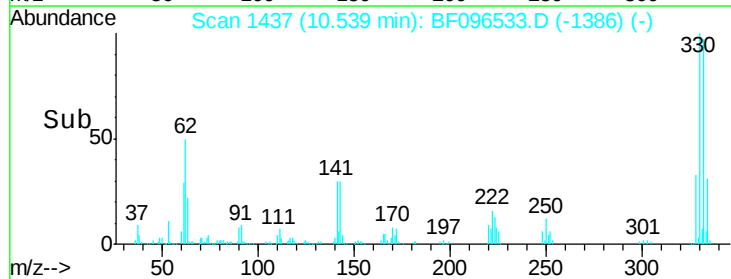
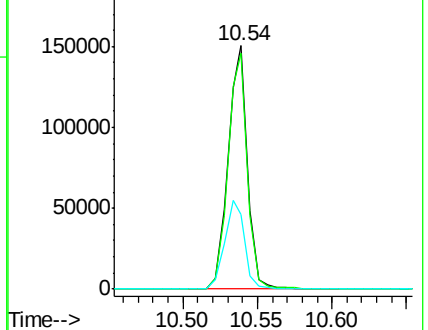
141 37.4 31.4 47.2

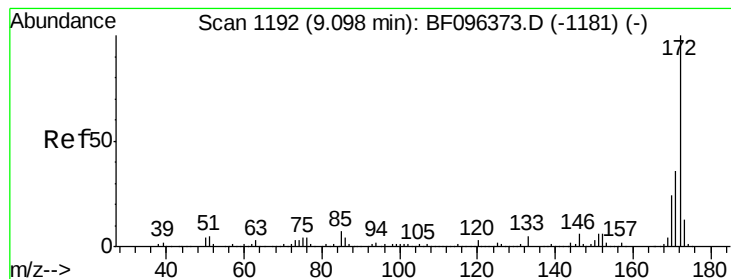


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 78.675 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

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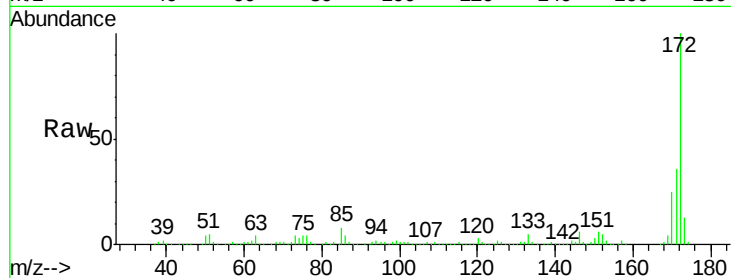
Tgt Ion:172 Resp: 851894

Ion Ratio Lower Upper

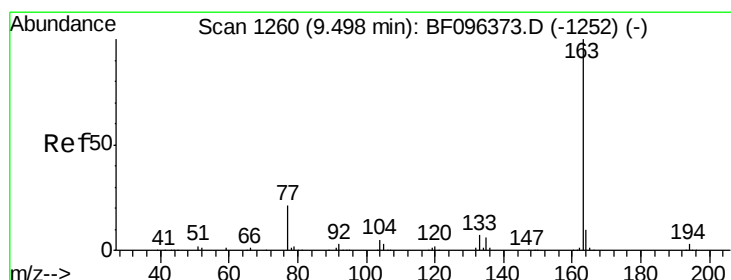
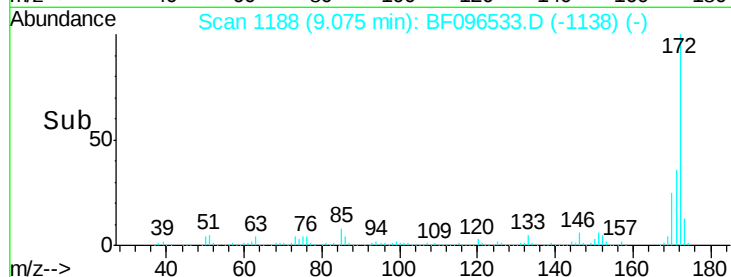
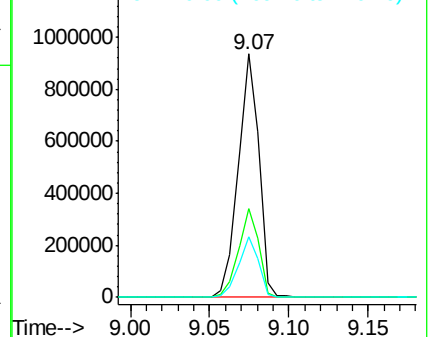
172 100

171 36.2 29.6 44.4

170 24.7 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: 15.150 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

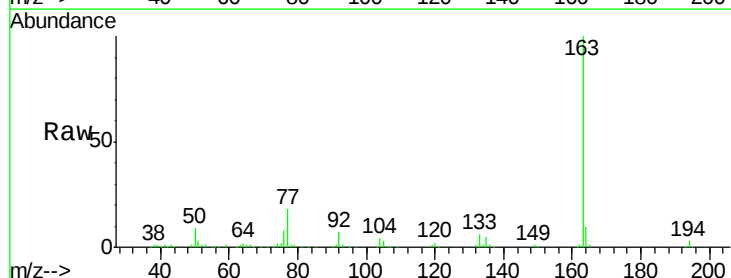
Tgt Ion:163 Resp: 209375

Ion Ratio Lower Upper

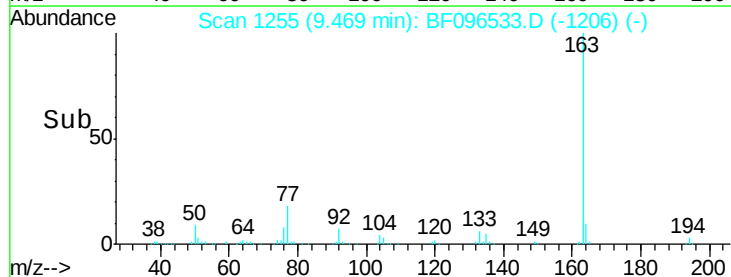
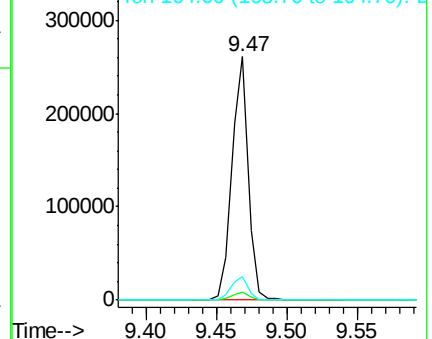
163 100

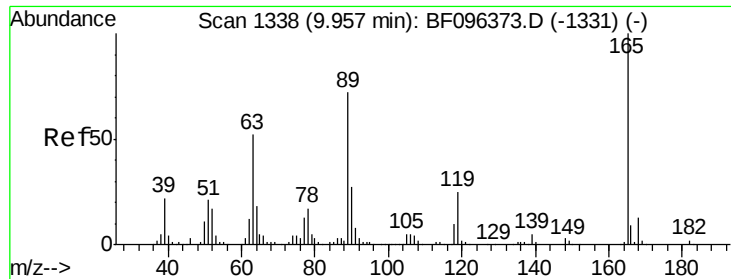
194 3.1 2.6 4.0

164 9.9 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

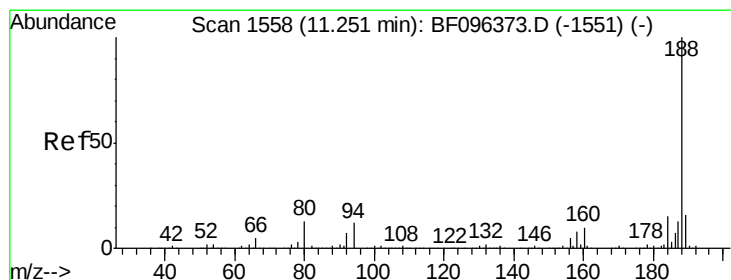
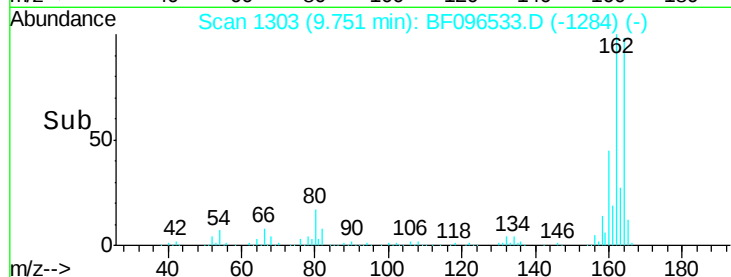
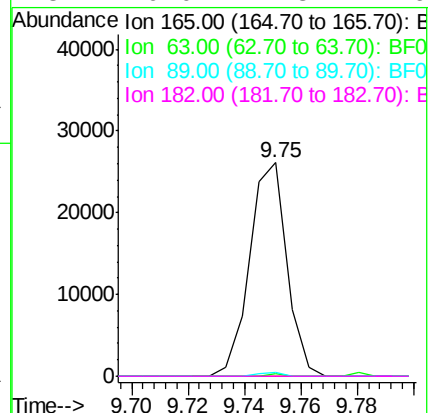
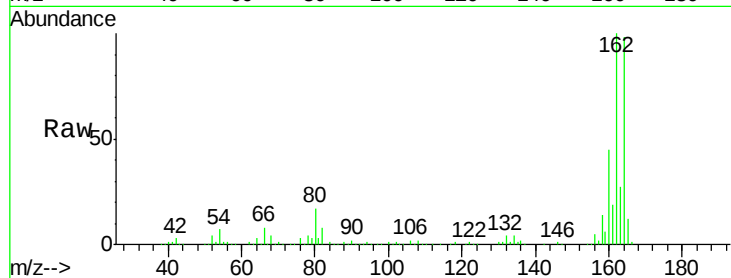




#56
 2,4-Dinitrotoluene
 Concen: 6.168 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

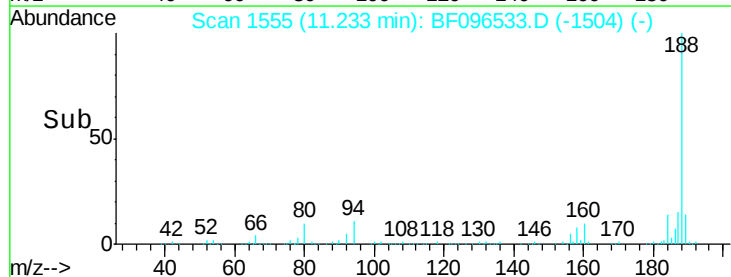
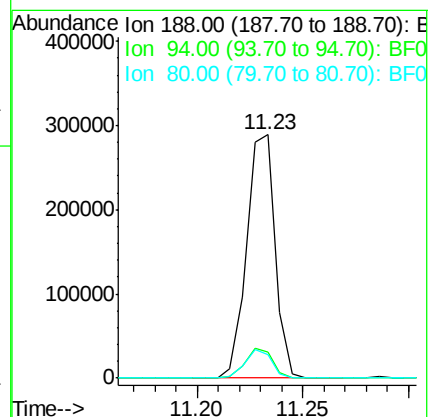
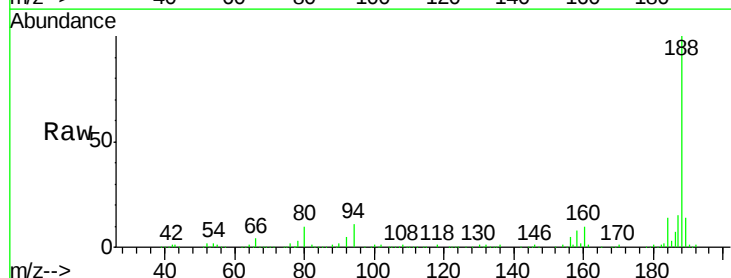
Instrument :
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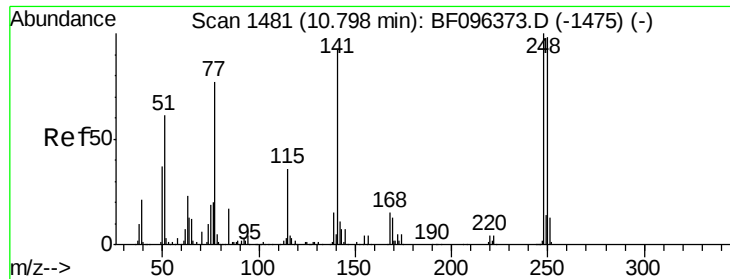
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	9.7	10.2	15.2#

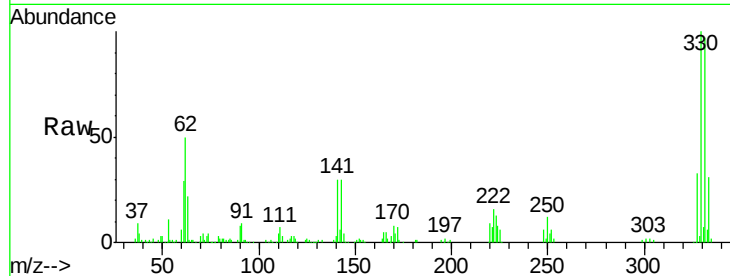




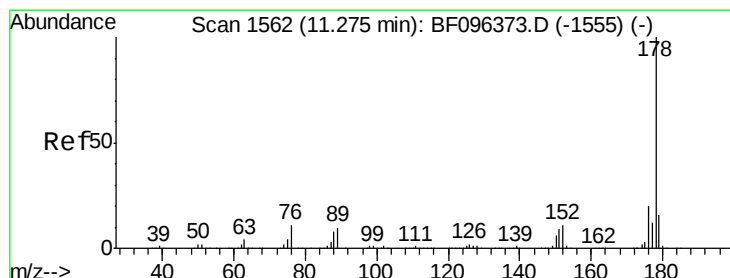
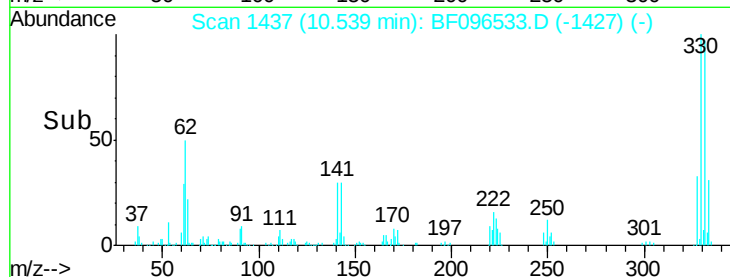
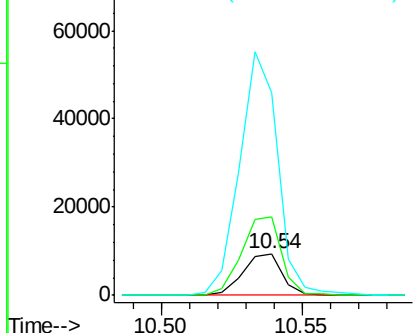
#66
 4-Bromophenyl-phenylether
 Concen: 3.437 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 CIY-SB-01-0-50

Tgt Ion:248 Resp: 9041
 Ion Ratio Lower Upper
 248 100
 250 187.6 76.8 115.2#
 141 484.9 68.6 103.0#

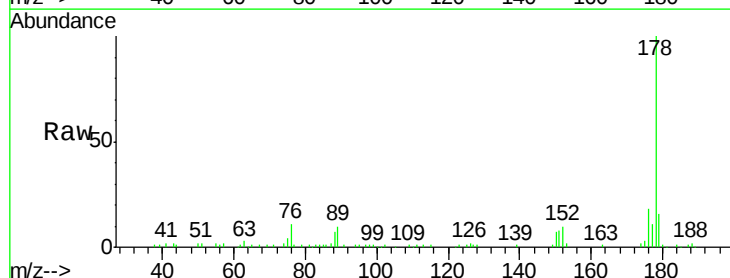


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

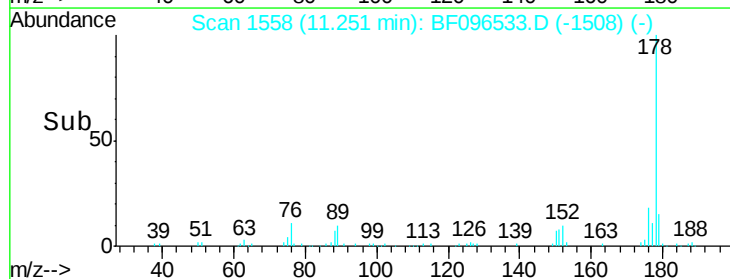
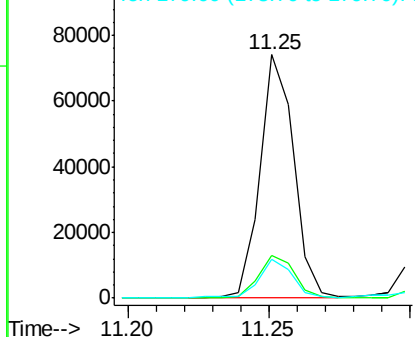


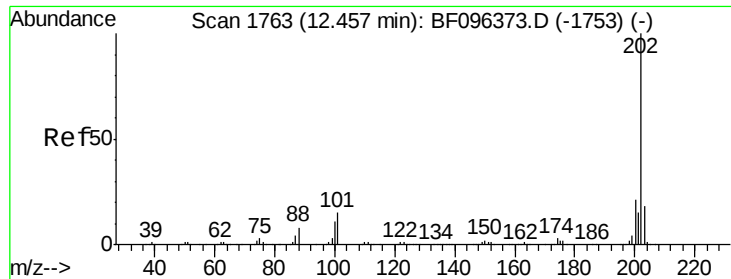
#70
 Phenanthrene
 Concen: 4.190 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

Tgt Ion:178 Resp: 61217
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.2 24.4
 179 15.8 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: 7.211 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

Instrument :

BNA_F

ClientSampleId :

CIY-SB-01-0-50

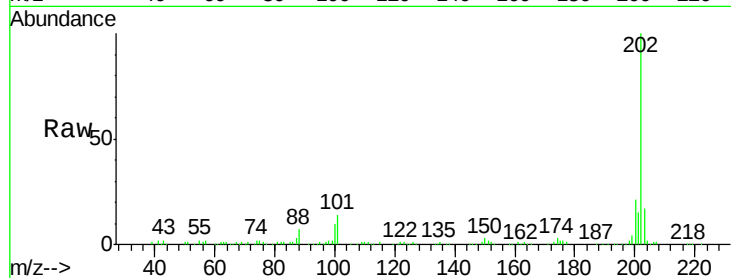
Tgt Ion: 202 Resp: 103277

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

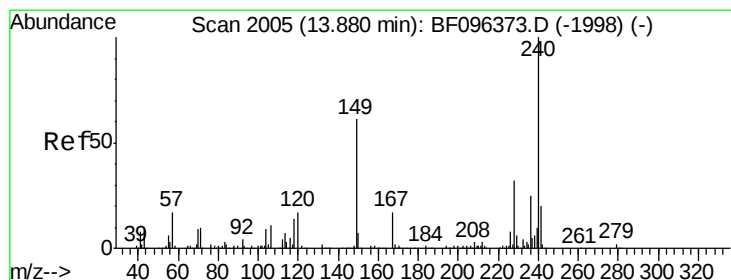
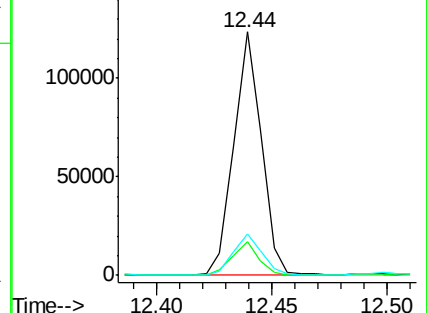
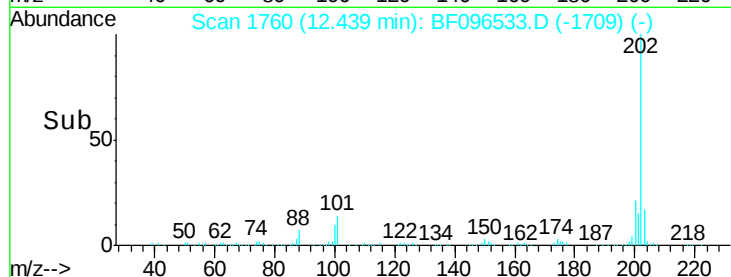
203 17.1 0.0 38.1



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

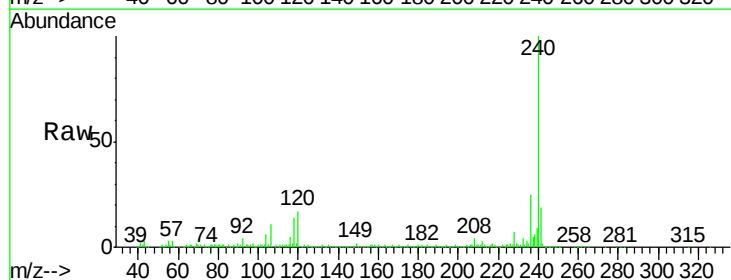
Tgt Ion: 240 Resp: 239617

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

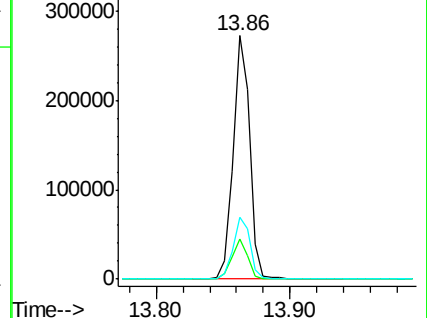
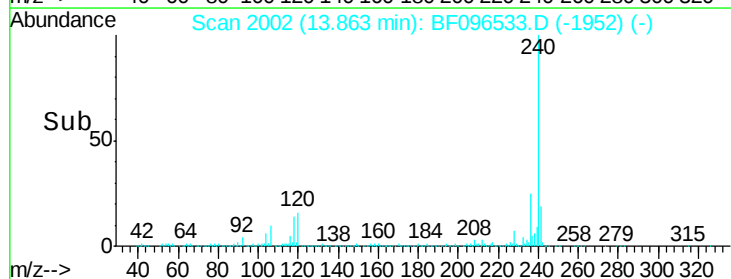
236 25.4 20.5 30.7

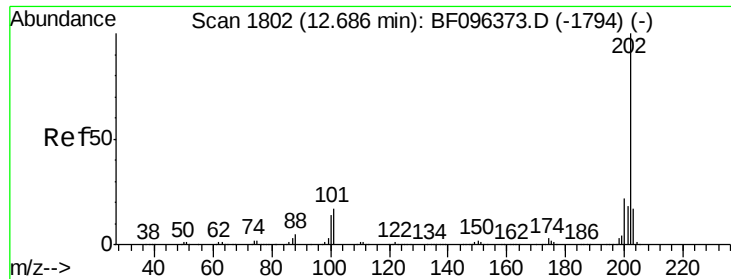


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

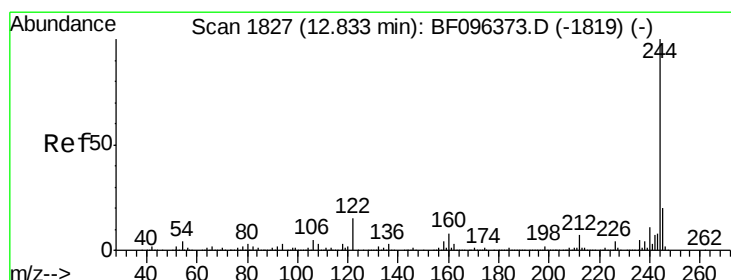
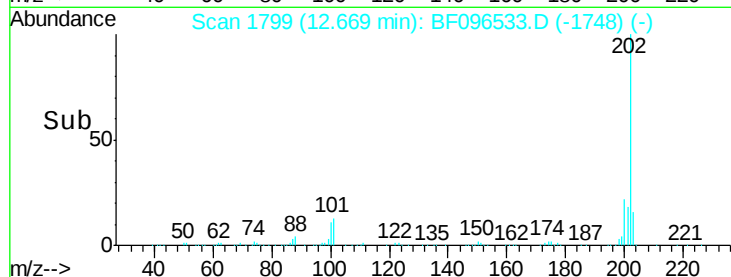
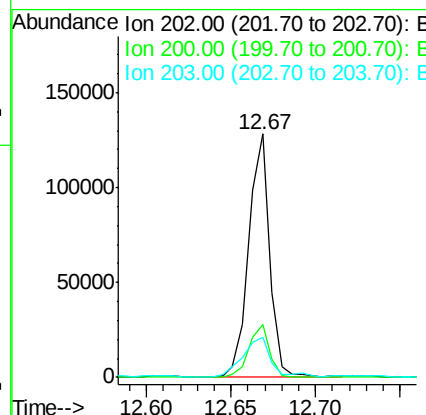
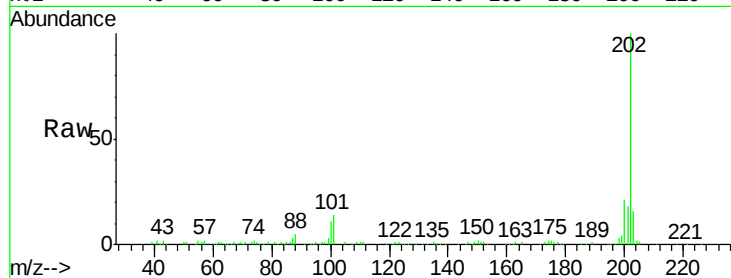




#77
 Pyrene
 Concen: 5.739 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

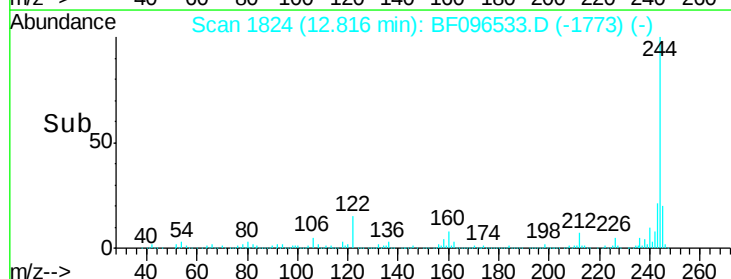
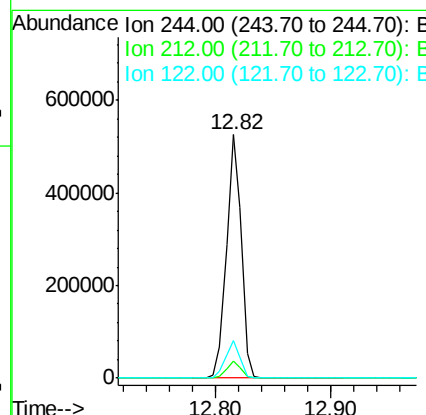
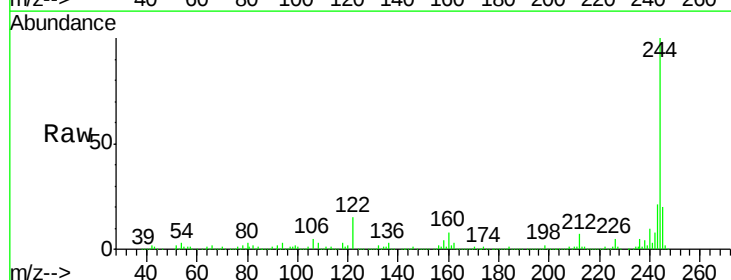
Instrument :
 BNA_F
 ClientSampleId :
 CIY-SB-01-0-50

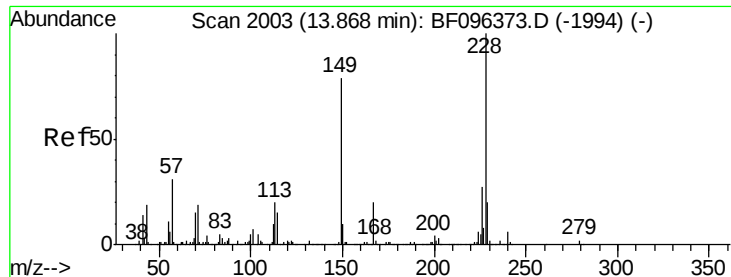
Tgt Ion: 202 Resp: 110380
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.6 26.4
 203 16.3 14.4 21.6



#78
 Terphenyl-d14
 Concen: 41.418 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

Tgt Ion: 244 Resp: 464448
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 15.5 10.3 15.5

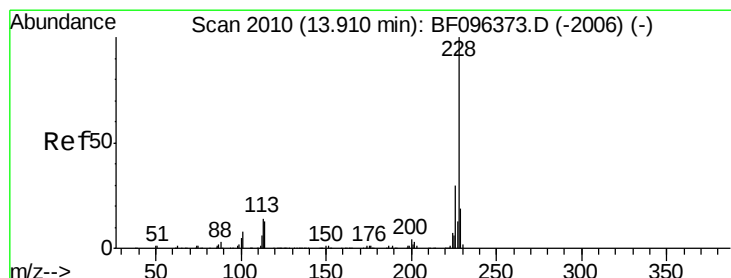
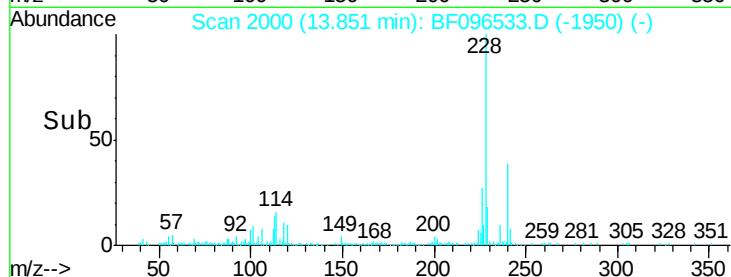
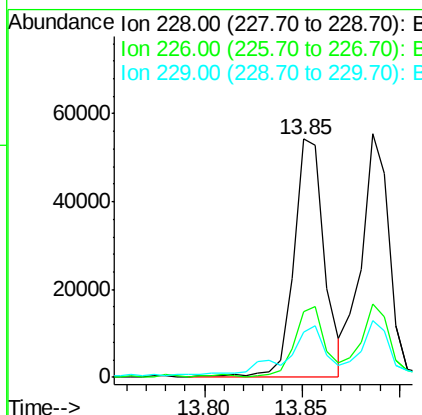
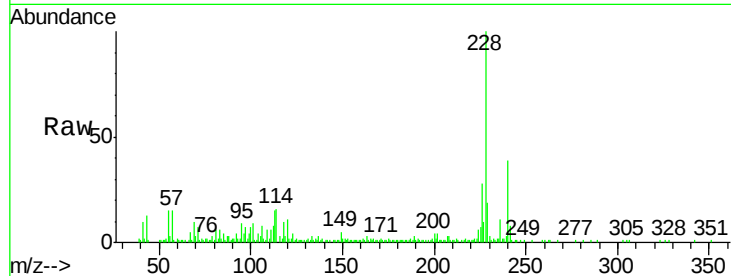




#80
Benzo(a)anthracene
Concen: 4.250 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

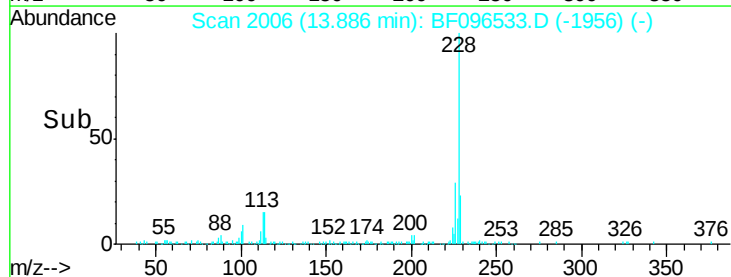
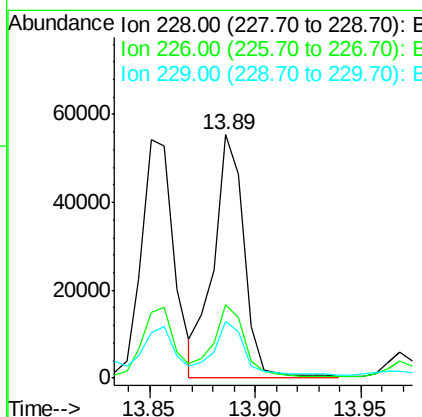
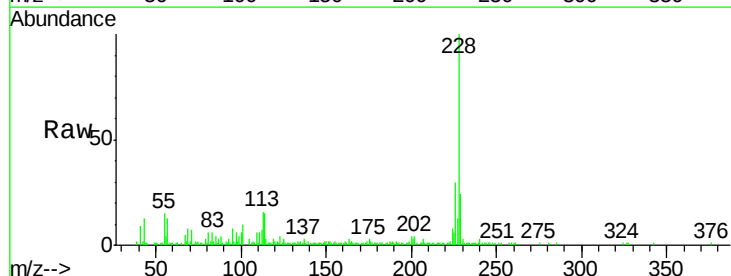
Instrument :
BNA_F
ClientSampleId :
CIY-SB-01-0-50

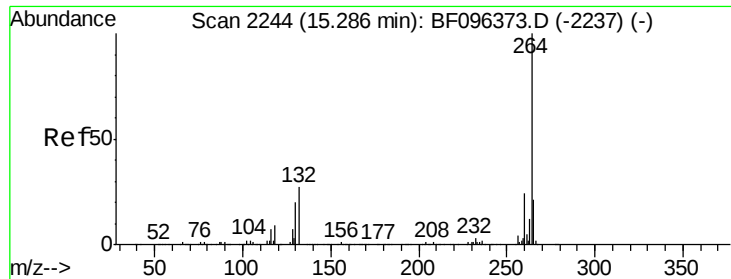
Tgt Ion:228 Resp: 58968
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 18.8 16.3 24.5



#82
Chrysene
Concen: 3.809 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

Tgt Ion:228 Resp: 55345
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 23.5 15.8 23.6



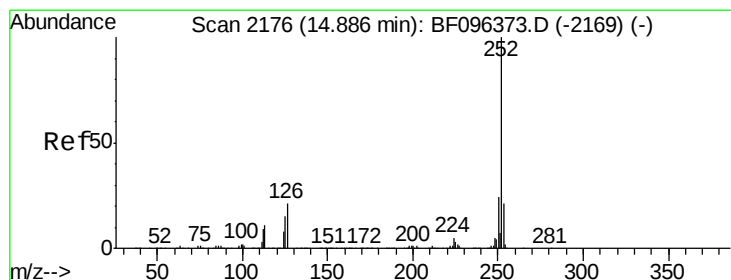
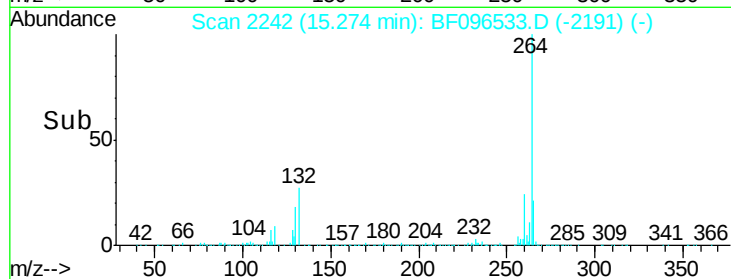
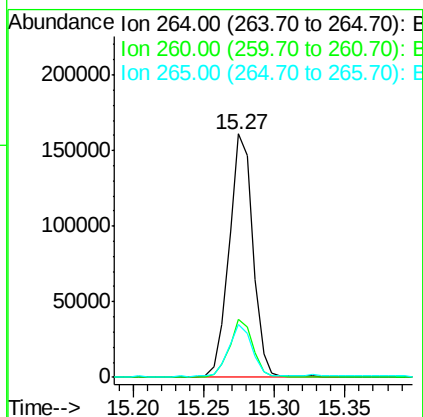
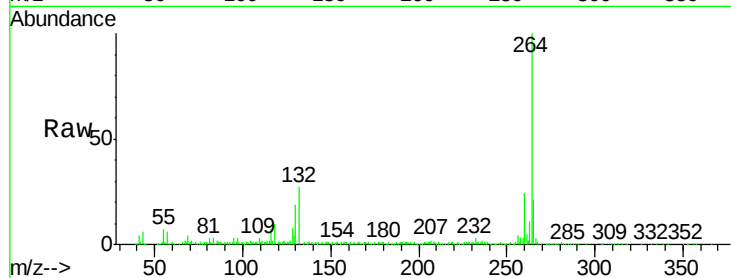


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

Instrument :
BNA_F
ClientSampleId :
CIY-SB-01-0-50

Tgt Ion: 264 Resp: 189954

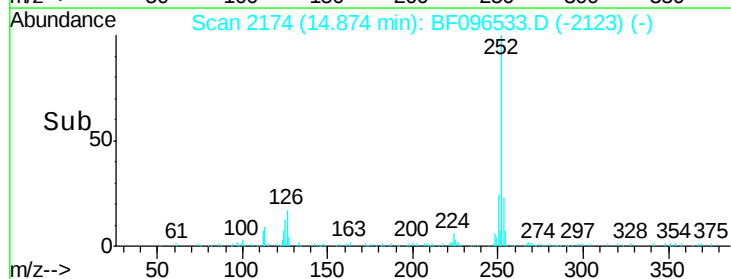
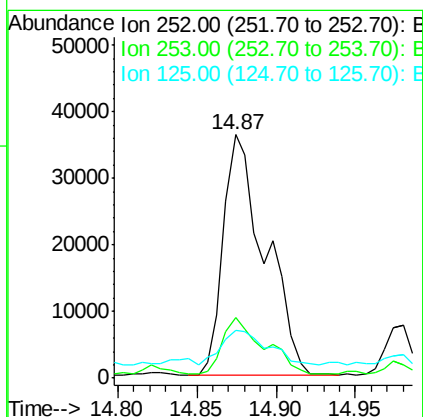
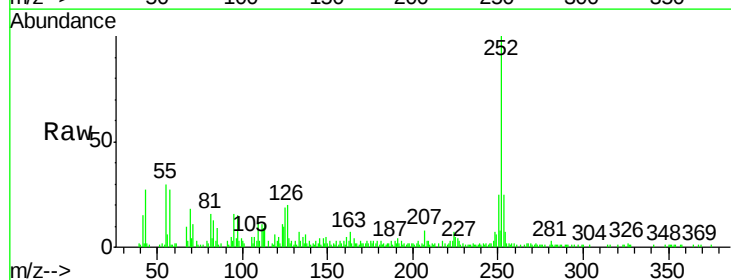
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.5	17.2	25.8

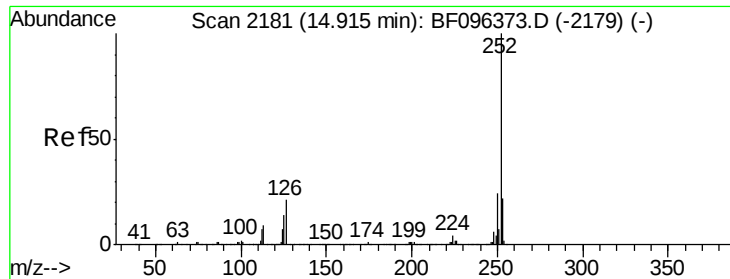


#87
Benzo(b)fluoranthene
Concen: 5.561 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096533.D
Acq: 6 Jul 2017 15:14

Tgt Ion: 252 Resp: 66186

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	19.4	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 6.216 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

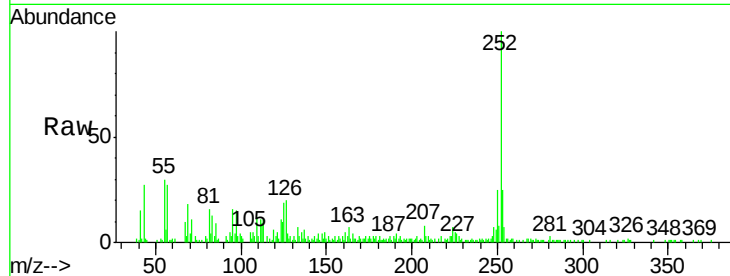
Instrument :

BNA_F

ClientSampleId :

CIY-SB-01-0-50

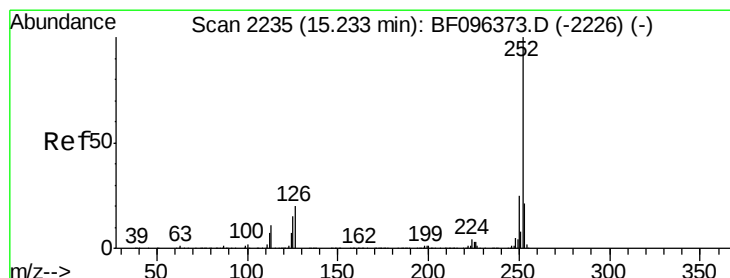
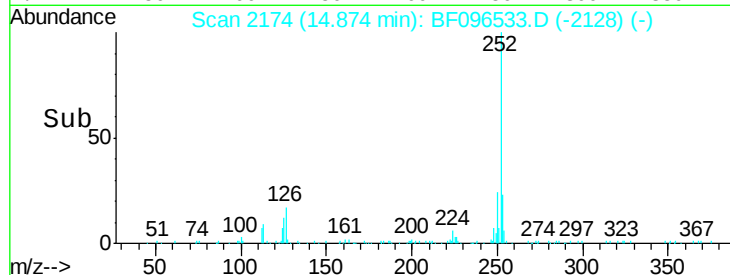
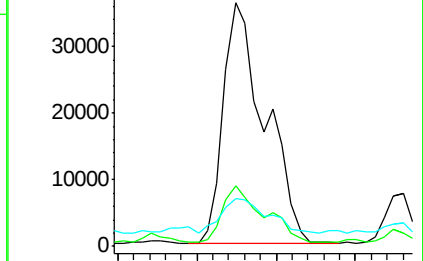
Tgt Ion:	252	Resp:	66186
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	19.4	13.1	19.7



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: 4.043 ng

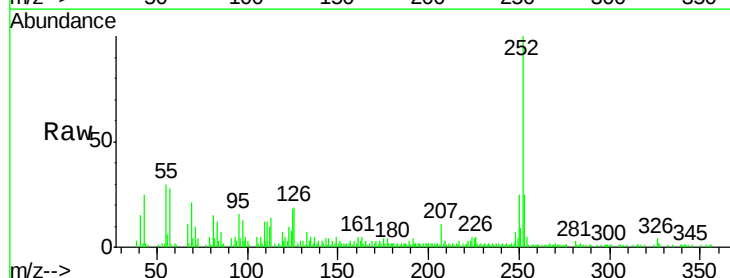
RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF096533.D

Acq: 6 Jul 2017 15:14

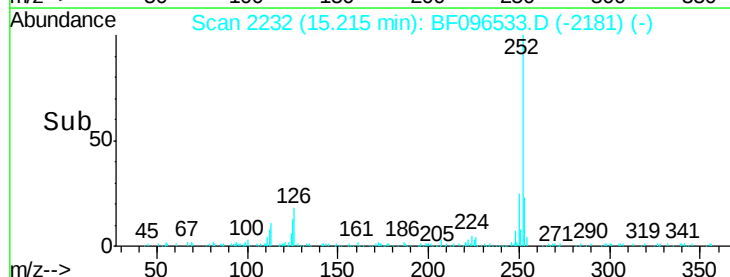
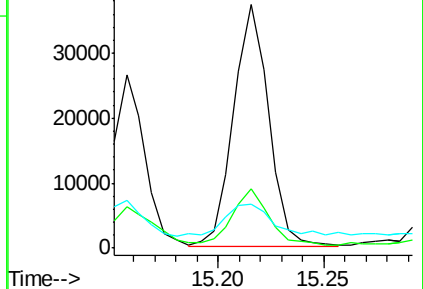
Tgt Ion:	252	Resp:	42959
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	18.2	11.0	16.4#

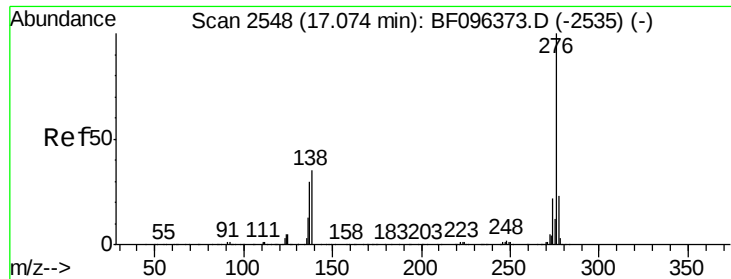


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.448 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF096533.D
 Acq: 6 Jul 2017 15:14

Instrument :
 BNA_F
 ClientSampleId :
 CIY-SB-01-0-50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.6	28.0
138	35.4	25.4	38.0

