

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096889.D
 Acq On : 20 Jul 2017 00:12
 Operator : SJ/JU
 Sample : I4258-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:57:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	110190	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	467963	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	181212	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	246567	20.00	ng	0.00
75) Chrysene-d12	13.73	240	188930	20.00	ng	0.00
86) Perylene-d12	15.10	264	129501	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	600300	81.91	ng	0.00
7) Phenol-d6	6.24	99	669524	76.13	ng	-0.01
23) Nitrobenzene-d5	7.15	82	404267	53.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	105482	68.19	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	639829	55.78	ng	-0.01
78) Terphenyl-d14	12.68	244	363918	33.41	ng	-0.01

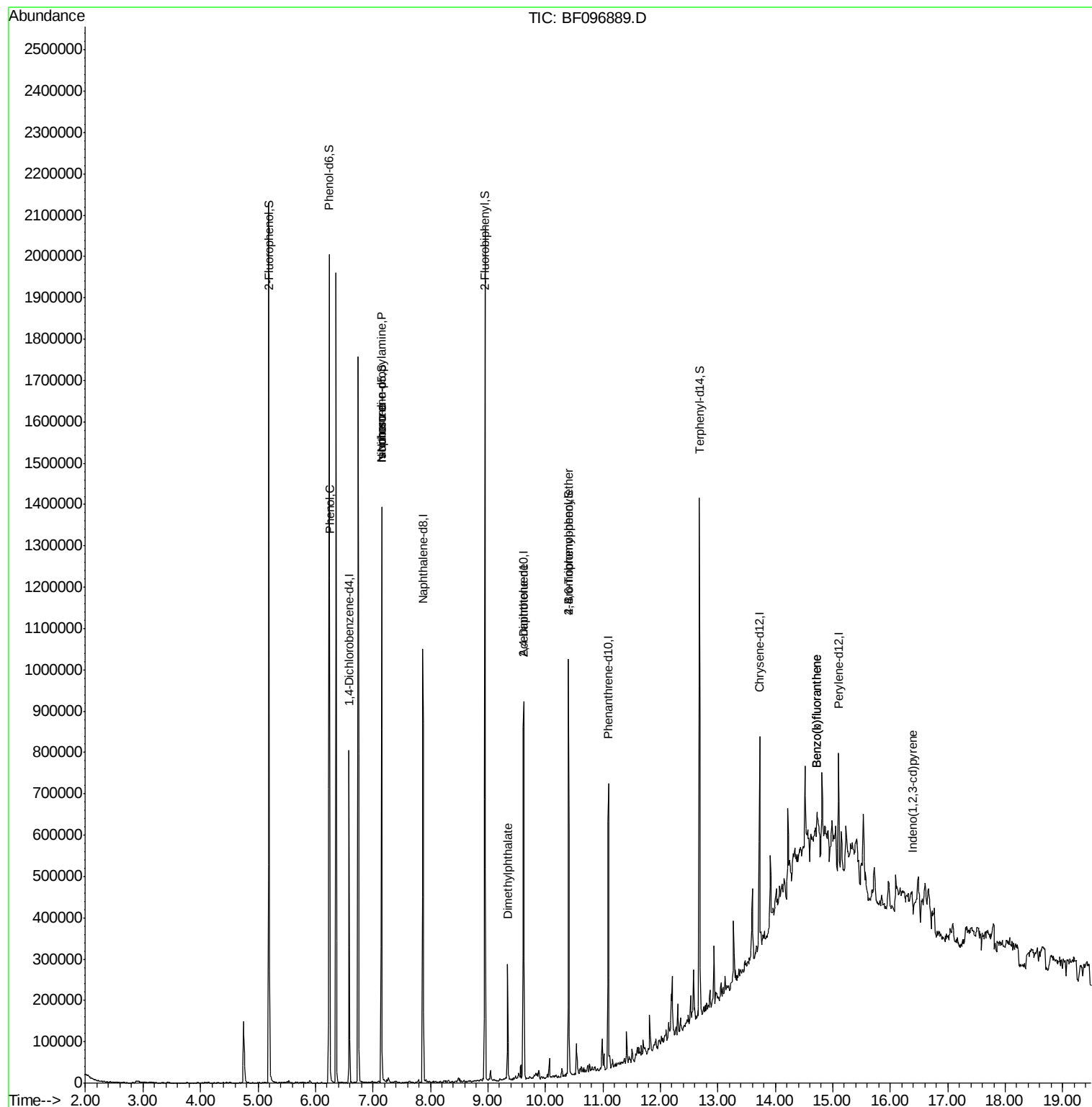
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.25	94	24977	2.51	ng	98
19) n-Nitroso-di-n-propylamine	7.15	70	53938	10.18	ng	# 86
25) Isophorone	7.15	82	401603	28.57	ng	# 67
49) Dimethylphthalate	9.35	163	108537	7.95	ng	98
56) 2,4-Dinitrotoluene	9.62	165	22857	6.02	ng	# 32
66) 4-Bromophenyl-phenylether	10.40	248	6809	2.70	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.39	276	5325	3.81	ng	# 89
87) Benzo(b)fluoranthene	14.72	252	18649	2.39	ng	# 30
88) Benzo(k)fluoranthene	14.72	252	18649	2.52	ng	# 35

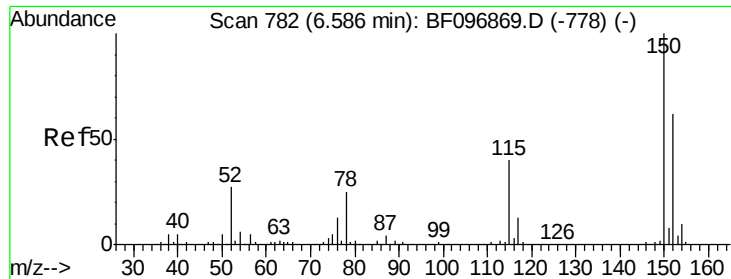
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

Instrument :

BNA_F

ClientSampled :

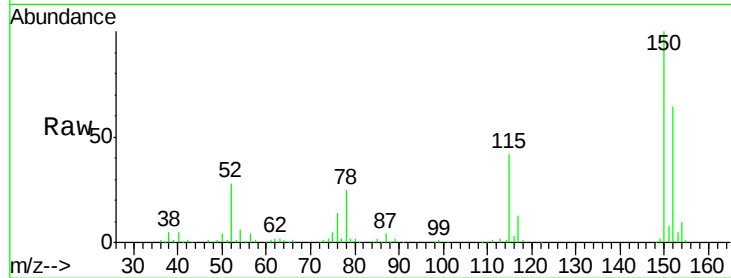
Tot Ion:152 Resp: 110190

Ion Ratio Lower Upper

152 100

150 155.7 126.2 189.2

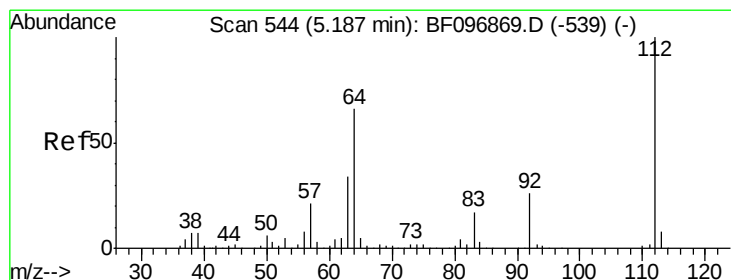
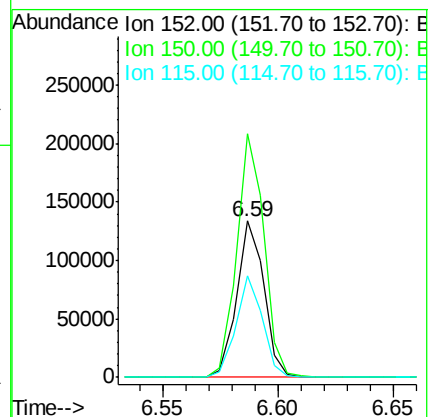
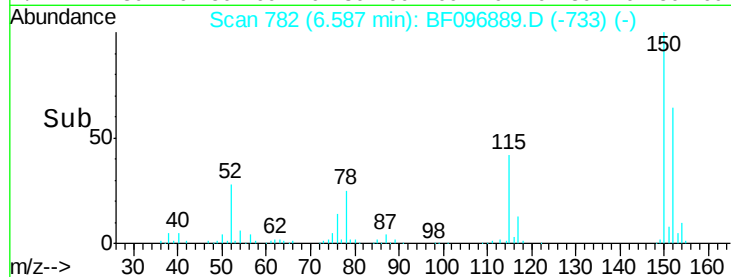
115 64.8 52.2 78.2



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: 81.91 ng

RT: 5.19 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

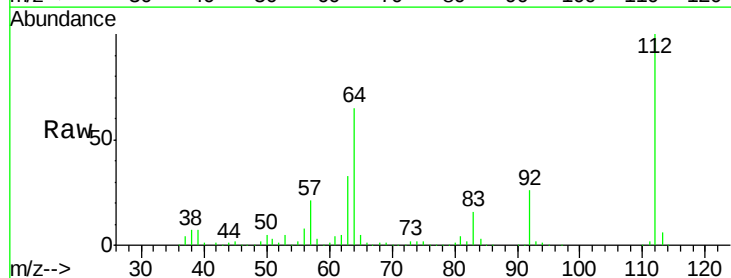
Tgt Ion:112 Resp: 600300

Ion Ratio Lower Upper

112 100

64 65.3 46.0 69.0

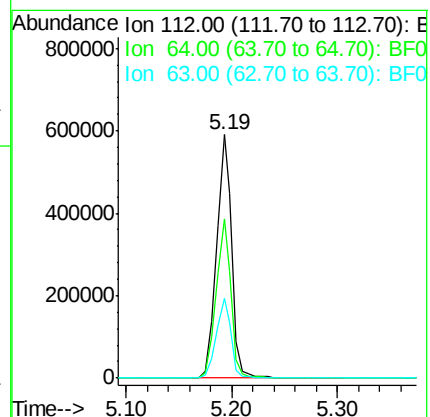
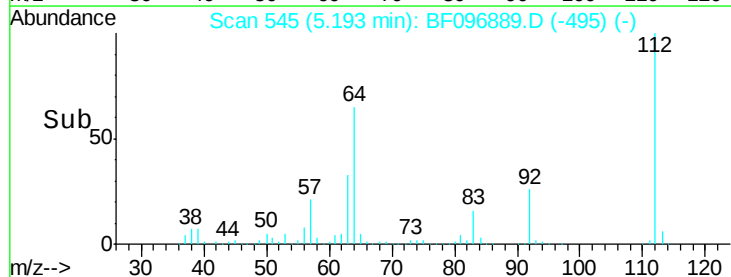
63 32.8 23.4 35.0

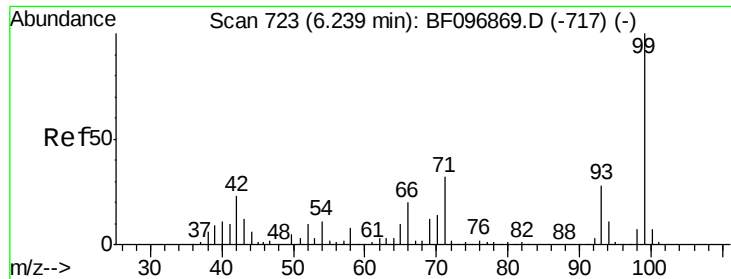


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 76.13 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

Instrument :

BNA_F

ClientSampled :

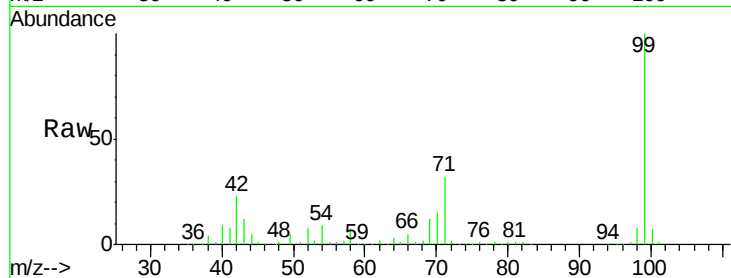
Tot Ion: 99 Resp: 669524

Ion Ratio Lower Upper

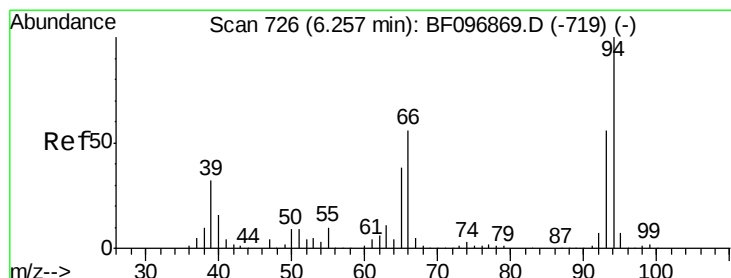
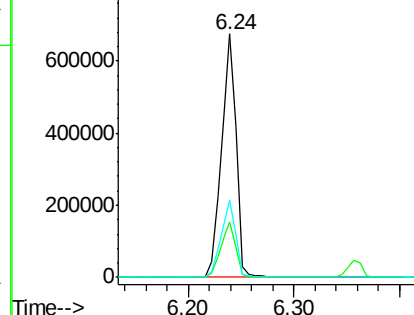
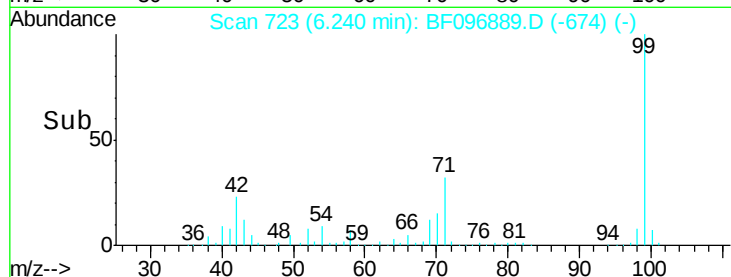
99 100

42 22.7 13.5 20.3#

71 31.9 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



#10

Phenol

Concen: 2.51 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

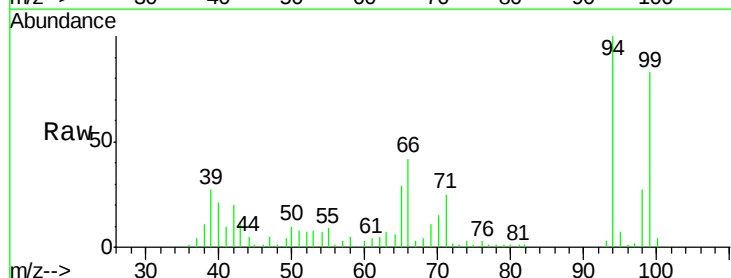
Tgt Ion: 94 Resp: 24977

Ion Ratio Lower Upper

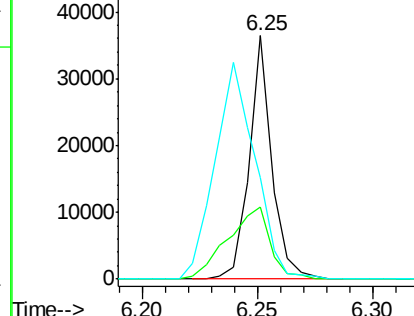
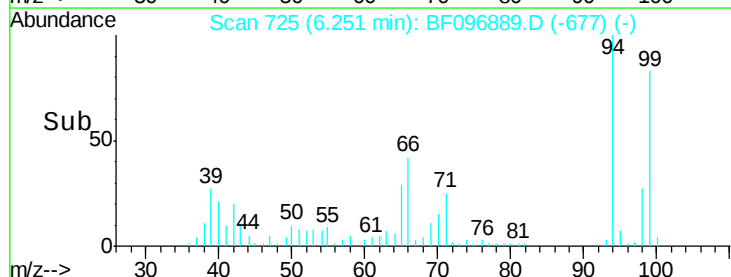
94 100

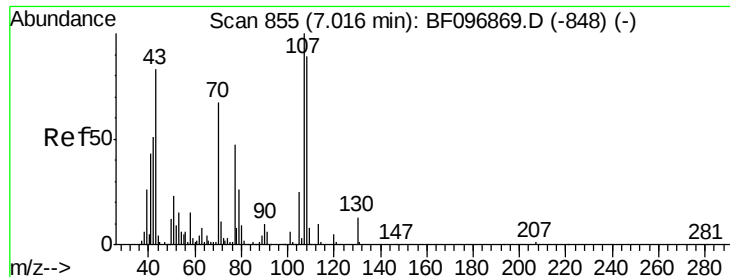
65 29.4 9.9 49.9

66 41.5 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

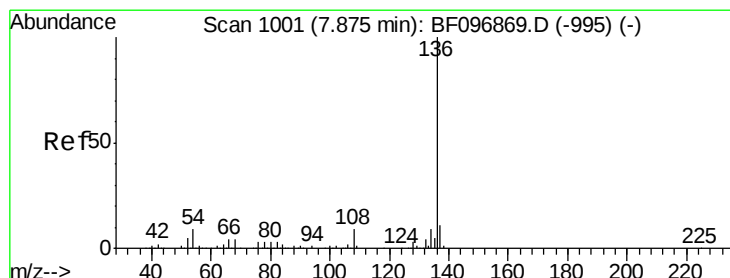
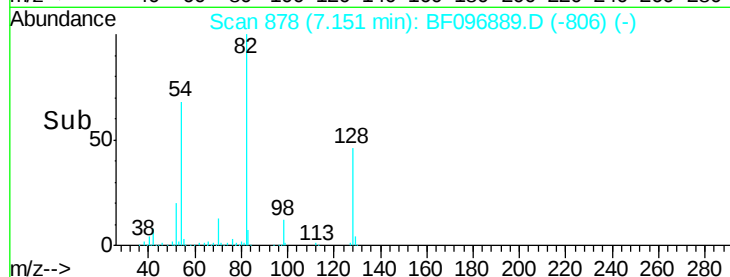
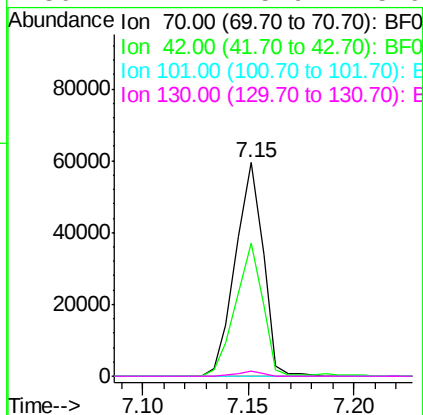
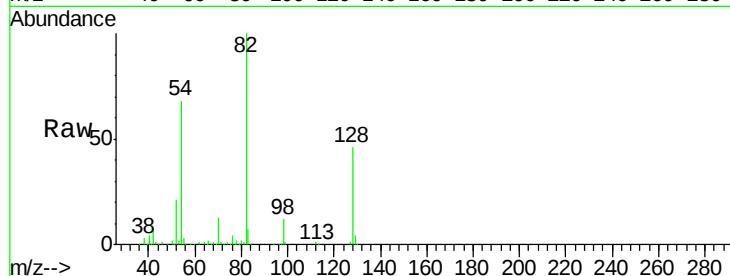




#19
n-Nitroso-di-n-propylamine
Concen: 10.18 ng
RT: 7.15 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

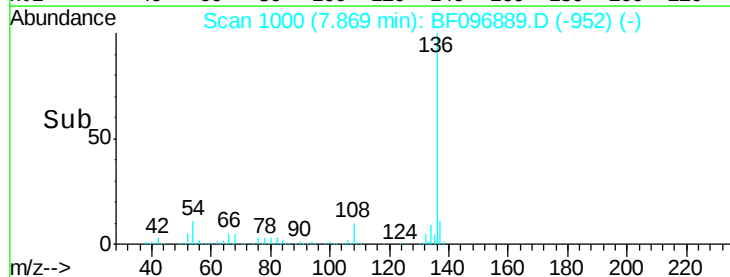
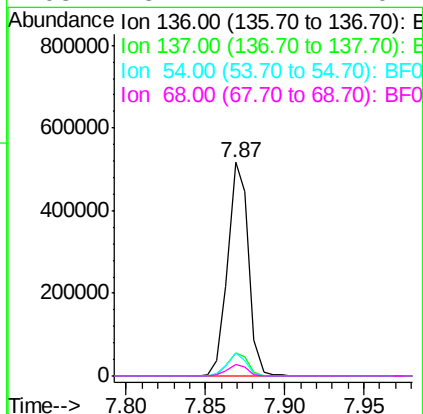
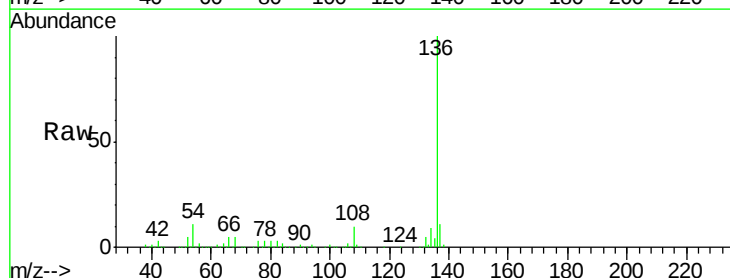
Instrument :
BNA_F
ClientSampleId :

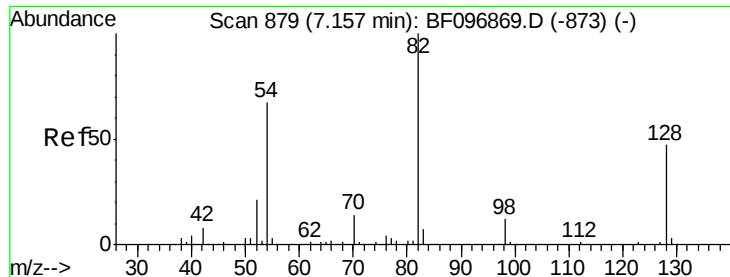
Tot Ion: 70 Resp: 53938
Ion Ratio Lower Upper
70 100
42 62.0 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

Tgt Ion:136 Resp: 467963
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.7 4.9 7.3#
68 5.4 4.1 6.1

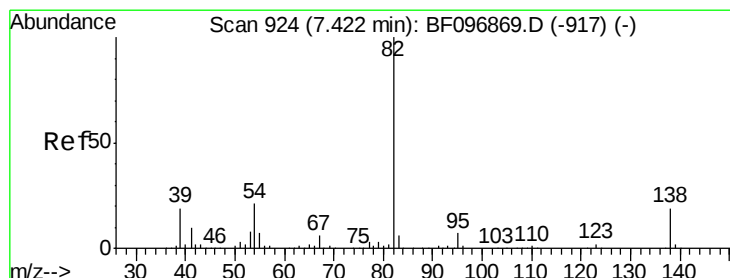
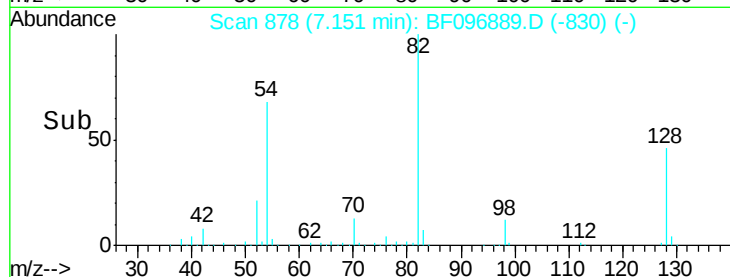
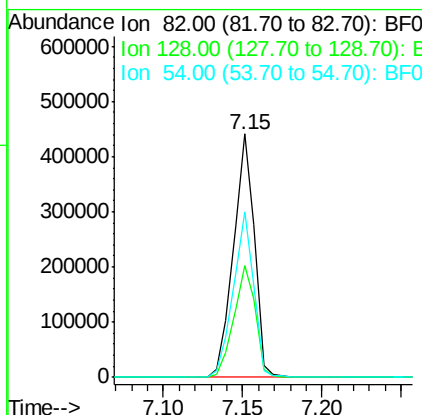
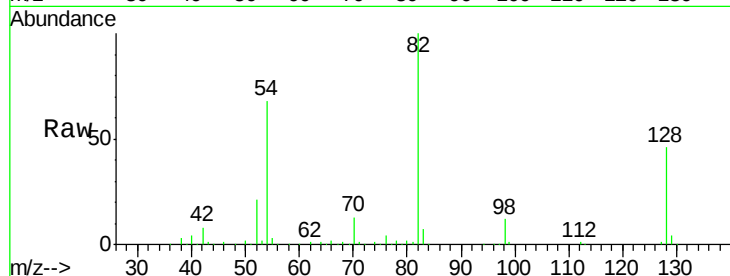




#23
Nitrobenzene-d5
Concen: 53.51 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

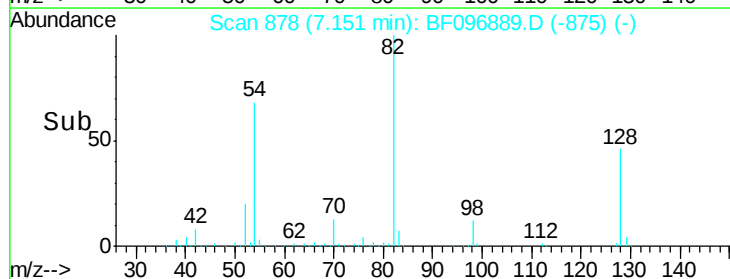
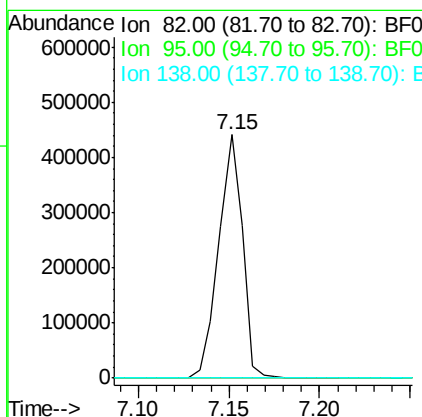
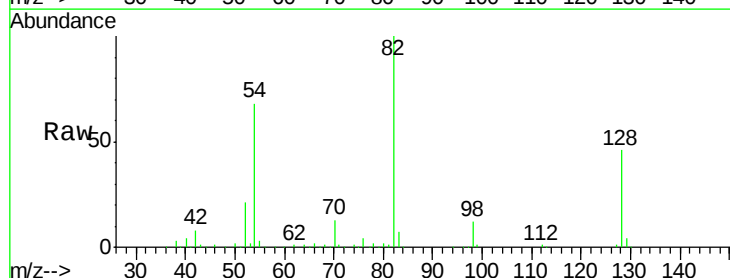
Instrument :
BNA_F
ClientSampleId :

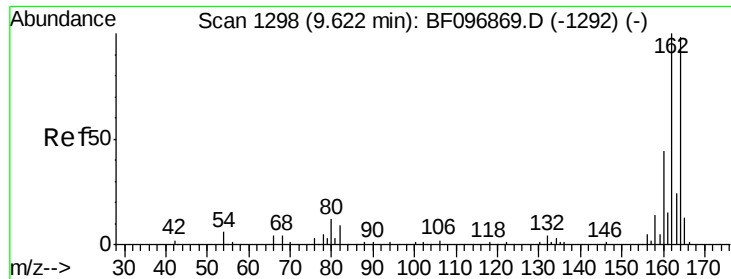
Tot Ion: 82 Resp: 404267
Ion Ratio Lower Upper
82 100
128 45.7 34.0 51.0
54 67.9 42.2 63.2#



#25
Isophorone
Concen: 28.57 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.28 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

Tgt Ion: 82 Resp: 401603
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

Instrument :

BNA_F

ClientSampleId :

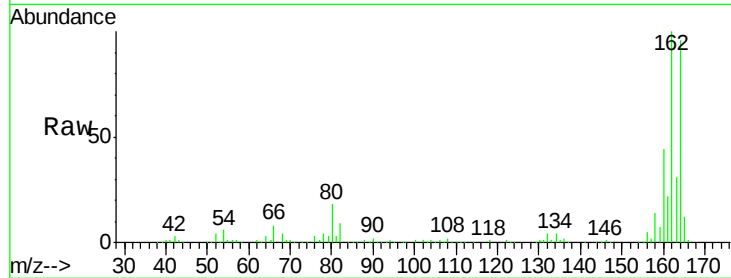
Tot Ion:164 Resp: 181212

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

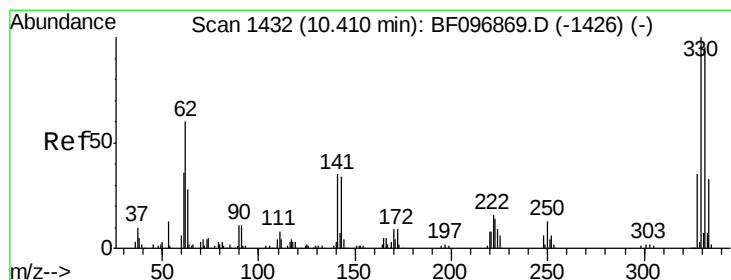
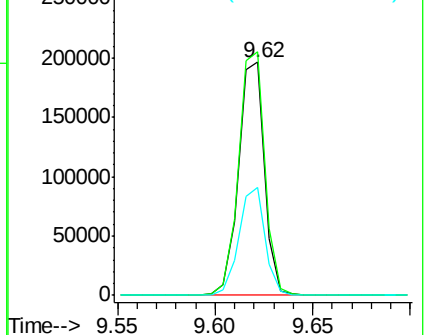
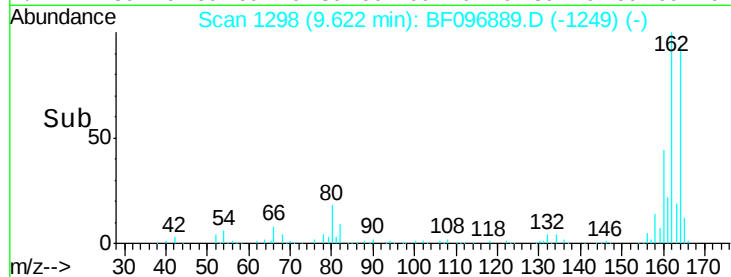
160 46.3 36.2 54.2



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: 68.19 ng

RT: 10.40 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

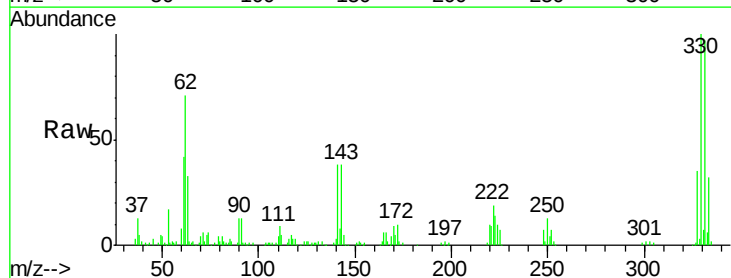
Tgt Ion:330 Resp: 105482

Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

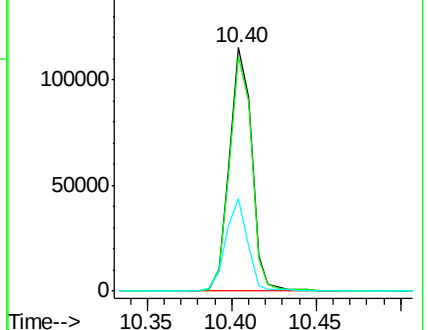
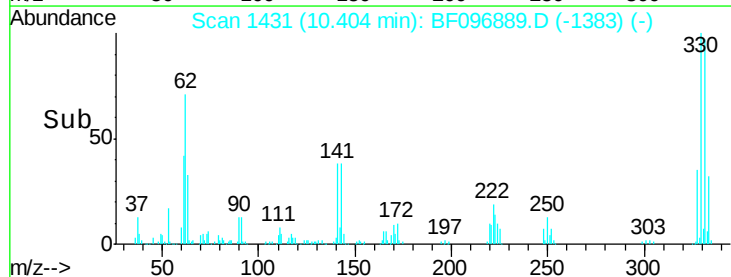
141 37.6 31.4 47.2

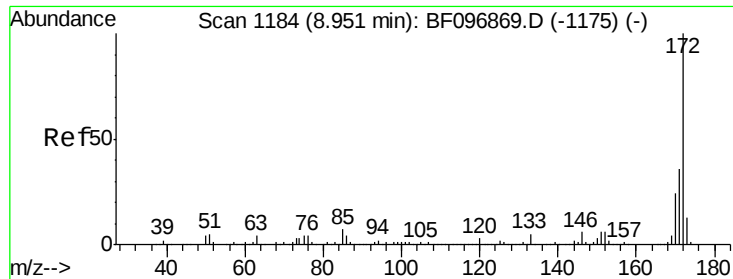


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

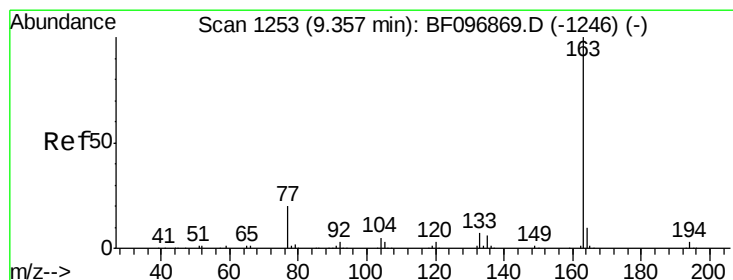
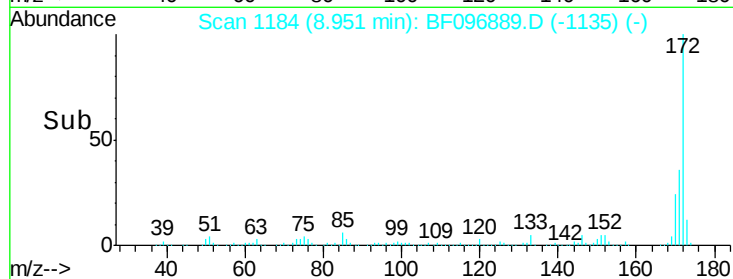
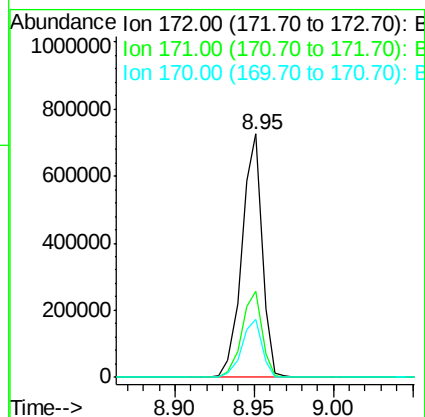
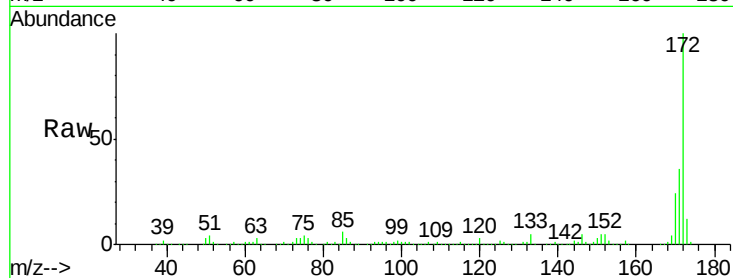




#44
2-Fluorobiphenyl
Concen: 55.78 ng
RT: 8.95 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

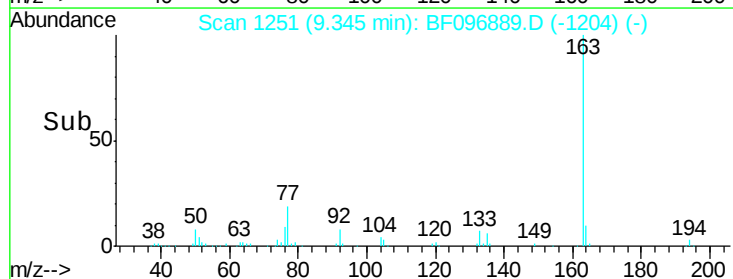
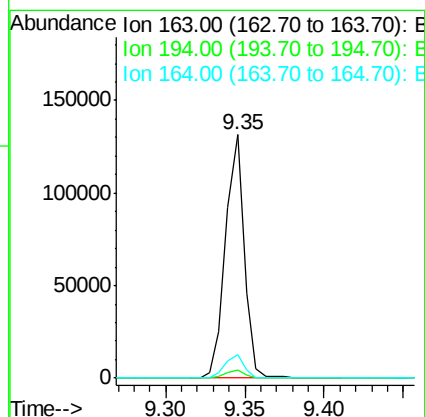
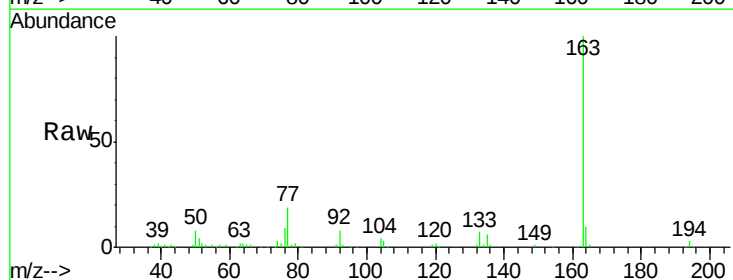
Instrument :
BNA_F
ClientSampleId :

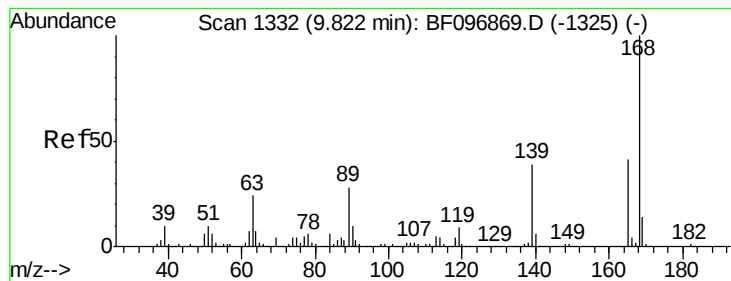
Tot Ion:172 Resp: 639829
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.6 19.8 29.8



#49
Dimethylphthalate
Concen: 7.95 ng
RT: 9.35 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

Tgt Ion:163 Resp: 108537
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.7 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.02 ng

RT: 9.62 min Scan# 1297

Delta R.T. -0.21 min

Lab File: BF096889.D

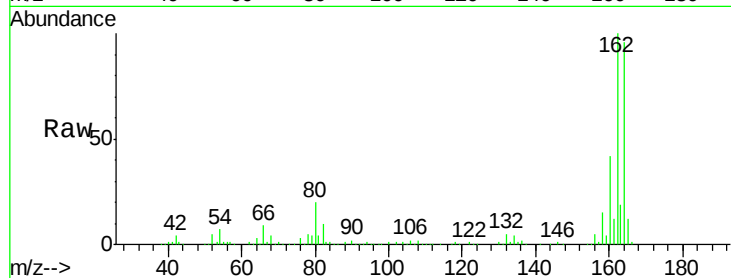
Acq: 20 Jul 2017 00:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	22857
Ion Ratio	Lower	Upper
165	100	
63	1.9	25.4 38.0#
89	0.0	46.4 69.6#
182	0.0	1.8 2.6#

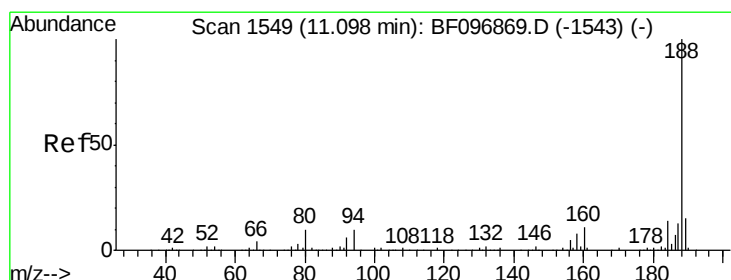
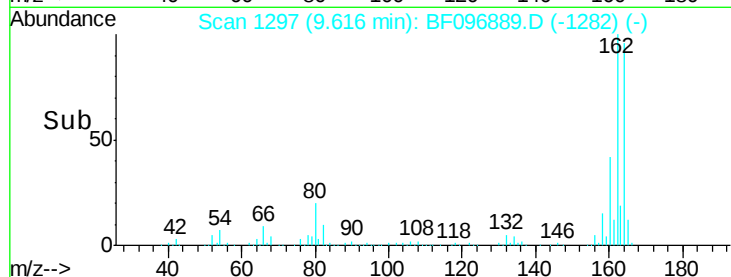
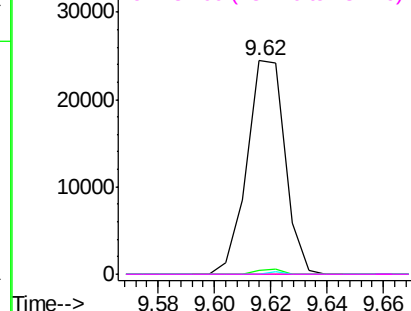


Abundance Ion 165.00 (164.70 to 165.70): E

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

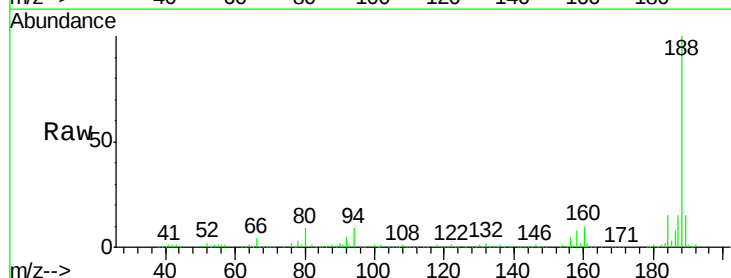
RT: 11.10 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

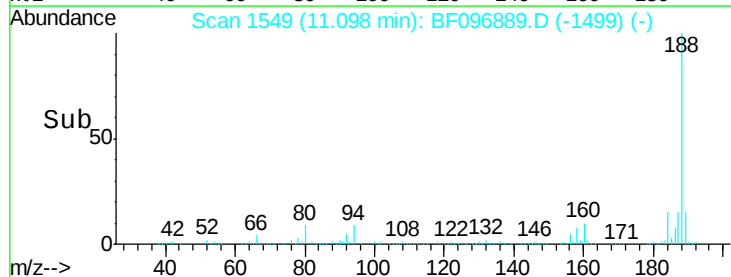
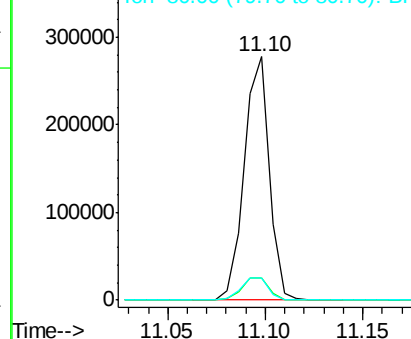
Tgt Ion:188	Resp:	246567
Ion Ratio	Lower	Upper
188	100	
94	9.3	9.4 14.2#
80	9.3	10.2 15.2#

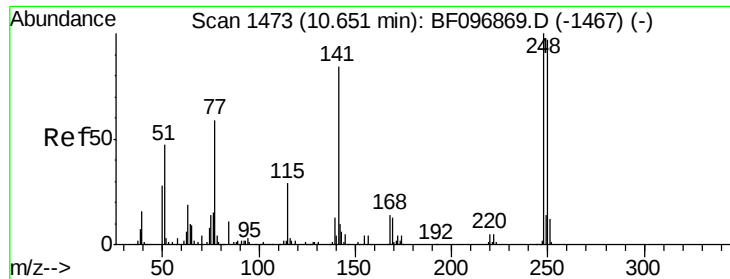


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

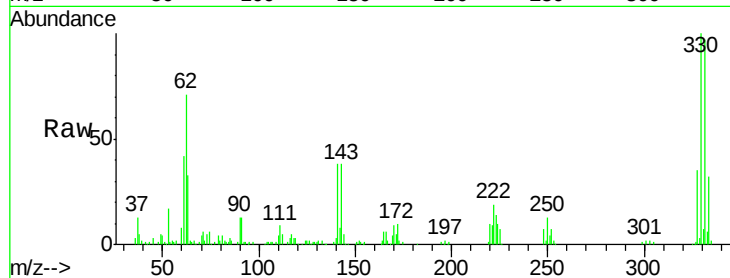




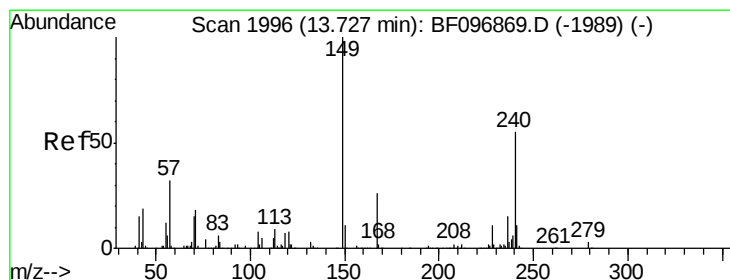
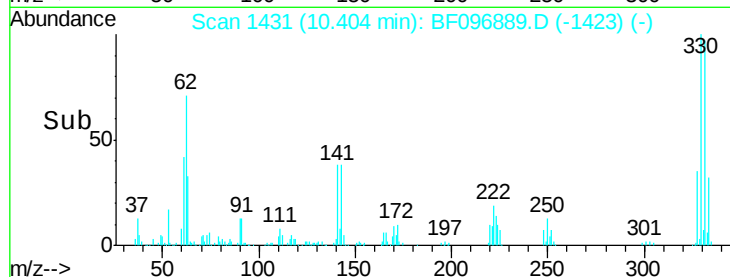
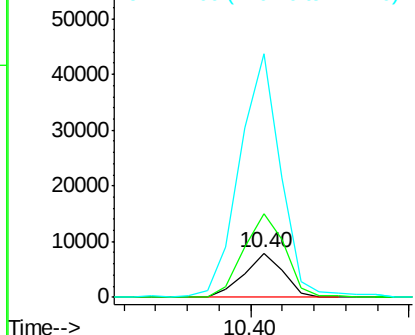
#66
4-Bromophenyl-phenylether
Concen: 2.70 ng
RT: 10.40 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6809
Ion Ratio Lower Upper
248 100
250 189.7 76.8 115.2#
141 553.3 68.6 103.0#

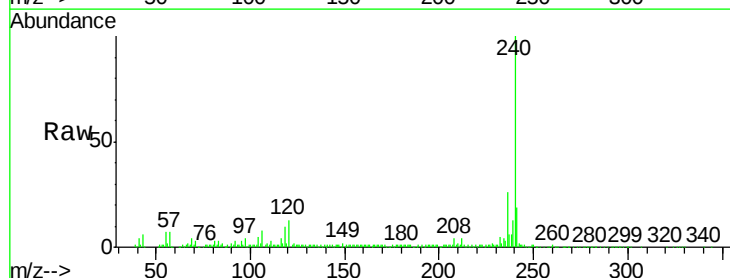


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

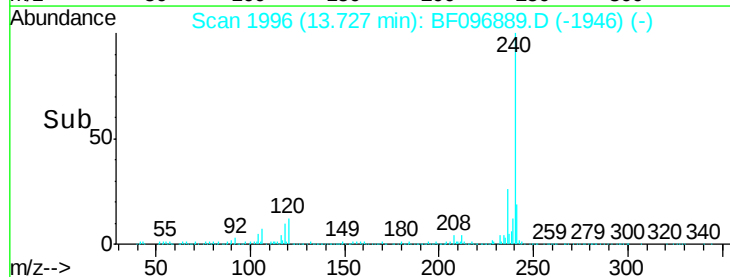
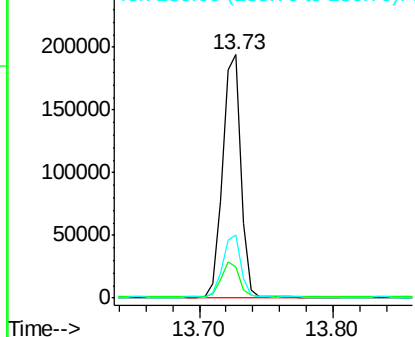


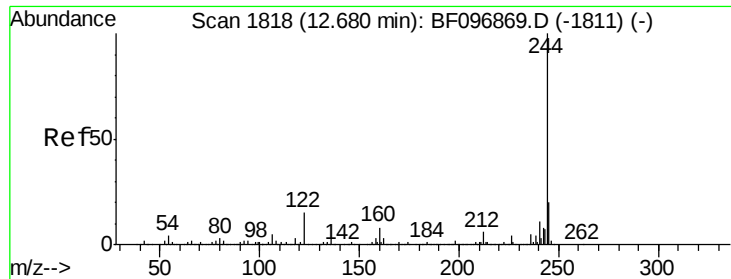
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

Tgt Ion:240 Resp: 188930
Ion Ratio Lower Upper
240 100
120 12.8 5.8 8.8#
236 26.0 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





#78

Terphenyl-d14

Concen: 33.41 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

Instrument :

BNA_F

ClientSampled :

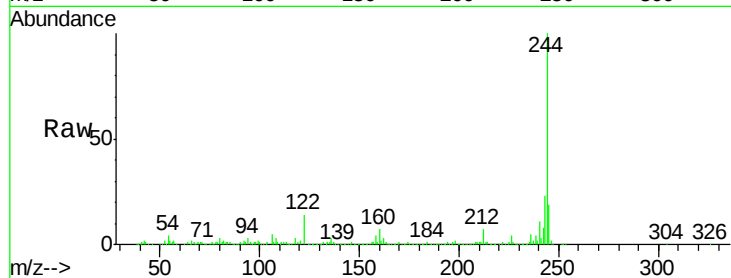
Tot Ion:244 Resp: 363918

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

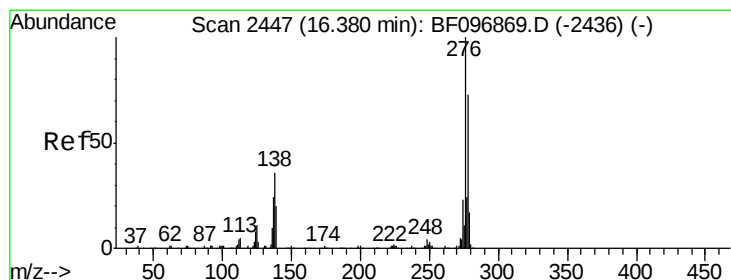
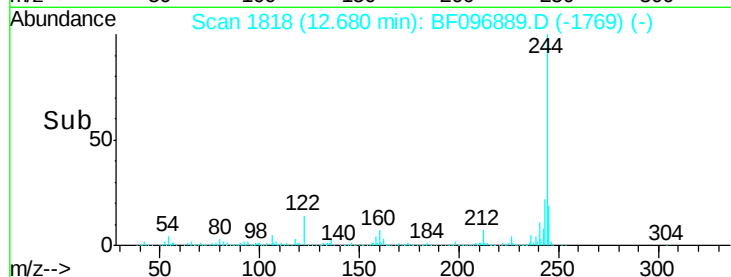
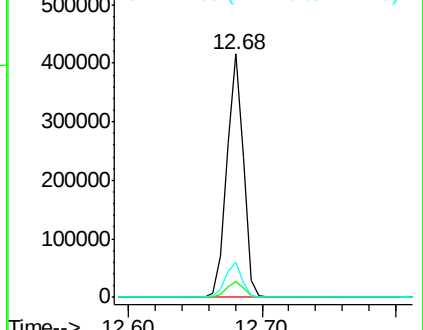
122 14.4 10.3 15.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.81 ng

RT: 16.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

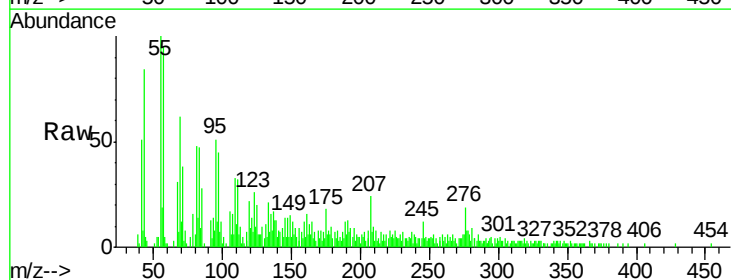
Tgt Ion:276 Resp: 5325

Ion Ratio Lower Upper

276 100

138 44.5 27.8 41.6#

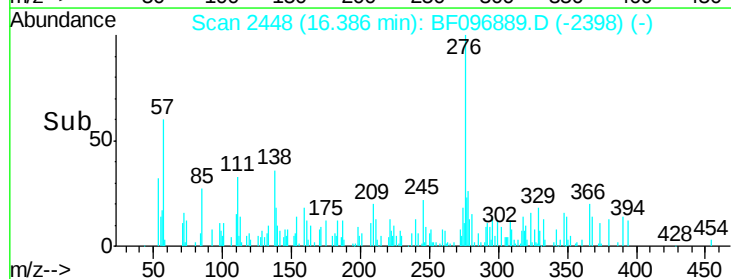
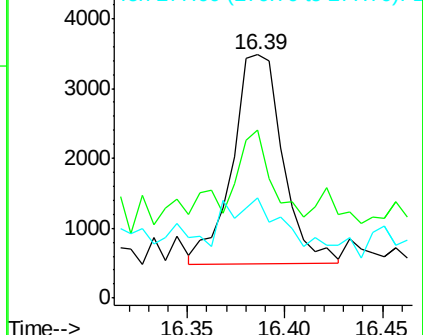
277 26.1 20.2 30.4

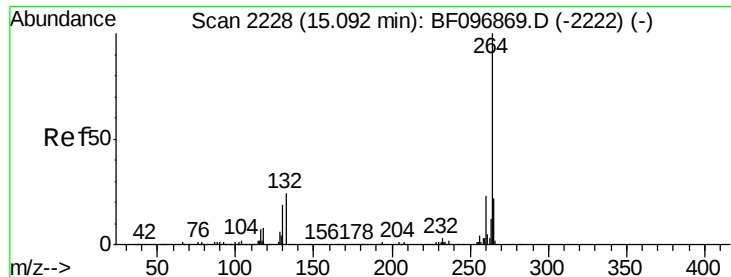


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



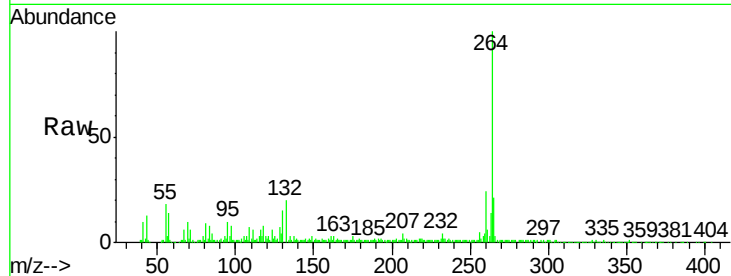


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

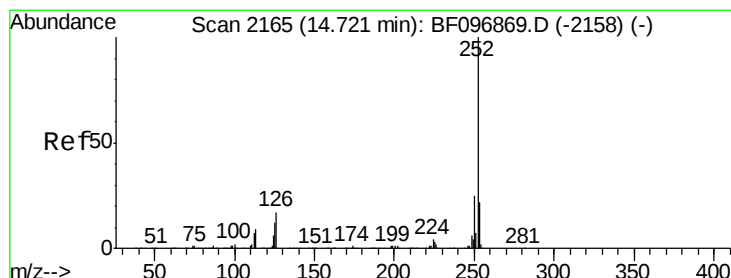
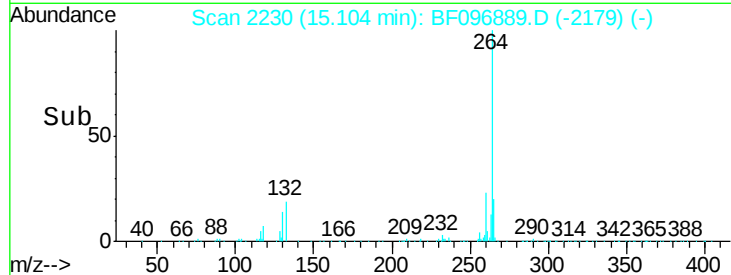
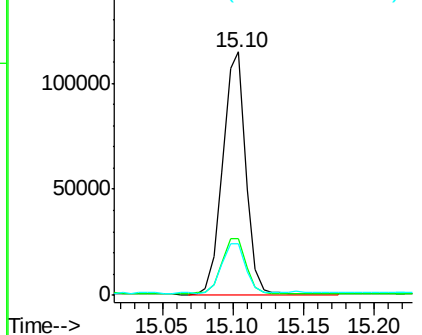
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 129501

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.3	17.2	25.8



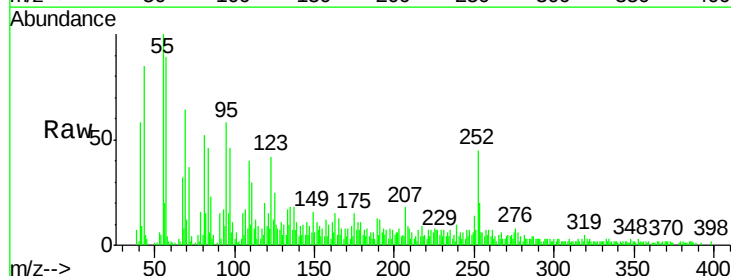
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



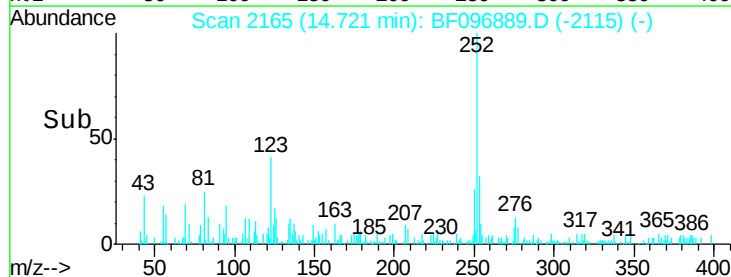
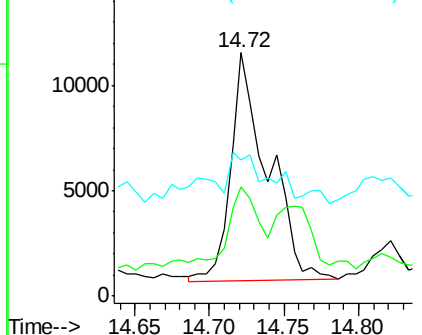
#87
Benzo(b)fluoranthene
Concen: 2.39 ng
RT: 14.72 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF096889.D
Acq: 20 Jul 2017 00:12

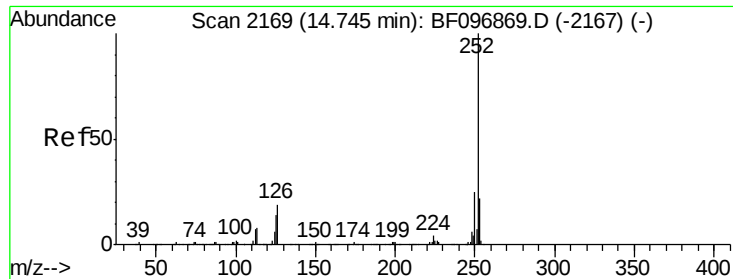
Tgt Ion:252 Resp: 18649

Ion	Ratio	Lower	Upper
252	100		
253	45.0	18.1	27.1#
125	56.0	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: 2.52 ng

RT: 14.72 min Scan# 2165

Delta R.T. -0.04 min

Lab File: BF096889.D

Acq: 20 Jul 2017 00:12

Instrument :

BNA_F

ClientSampleId :

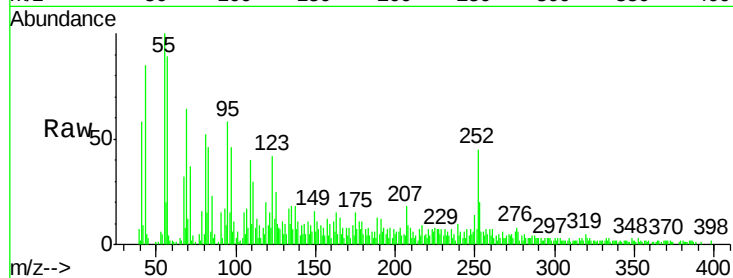
Tot Ion:252 Resp: 18649

Ion Ratio Lower Upper

252 100

253 45.0 18.4 27.6#

125 56.0 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

