

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096624.D
 Acq On : 11 Jul 2017 1:56
 Operator : SJ/JU
 Sample : I4119-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 05:25:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

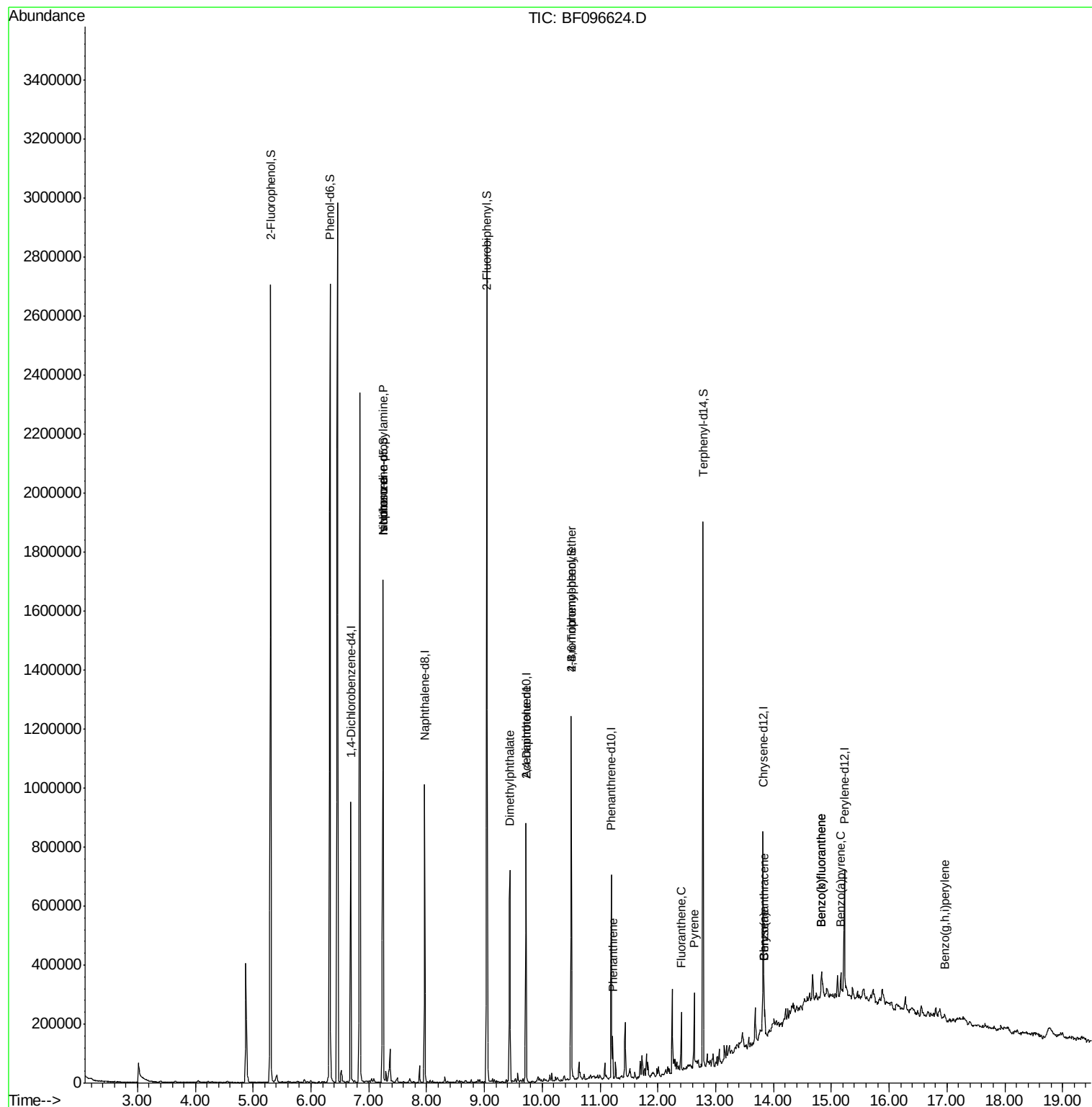
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	125084	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	445164	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	165946	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	239453	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	227122	20.00	ng	-0.02
86) Perylene-d12	15.23	264	185949	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	802003	94.64	ng	0.00
7) Phenol-d6	6.33	99	980680	94.13	ng	-0.02
23) Nitrobenzene-d5	7.25	82	555816	75.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	137240	105.88	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	888313	91.52	ng	-0.02
78) Terphenyl-d14	12.78	244	551573	51.89	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	73391	11.82	ng	# 88
25) Isophorone	7.25	82	551685	38.41	ng	# 67
49) Dimethylphthalate	9.44	163	286494	23.13	ng	98
56) 2,4-Dinitrotoluene	9.72	165	21391	6.17	ng	# 32
66) 4-Bromophenyl-phenylether	10.50	248	9064	3.89	ng	# 1
70) Phenanthrene	11.22	178	47150	3.64	ng	99
74) Fluoranthene	12.40	202	75000	5.91	ng	99
77) Pyrene	12.63	202	94800	5.20	ng	97
80) Benzo(a)anthracene	13.84	228	43047	3.27	ng	93
82) Chrysene	13.84	228	43047	3.13	ng	96
87) Benzo(b)fluoranthene	14.83	252	56251	4.83	ng	# 86
88) Benzo(k)fluoranthene	14.83	252	56251	5.40	ng	# 91
89) Benzo(a)pyrene	15.16	252	32613	3.14	ng	# 89
91) Benzo(a,h,i)perylene	16.96	276	17205	2.03	ng	# 87

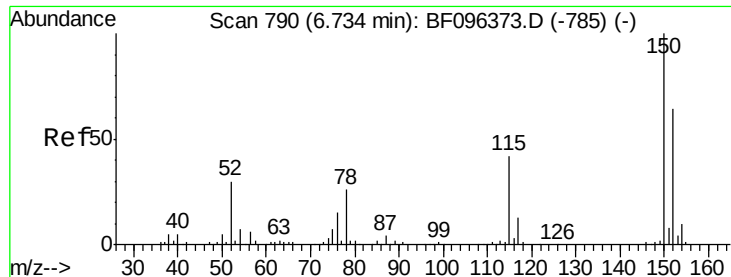
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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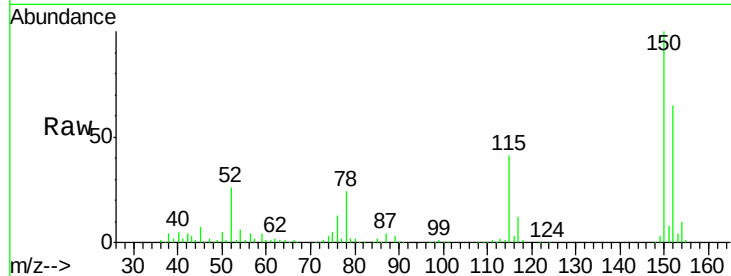


#1

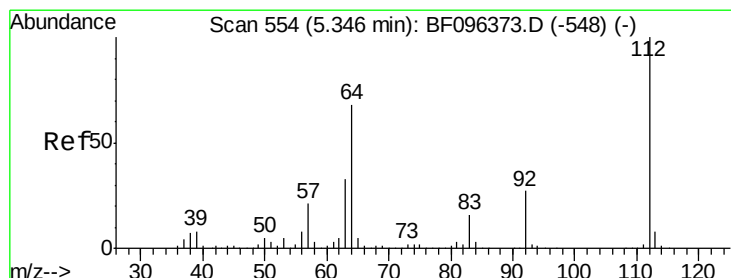
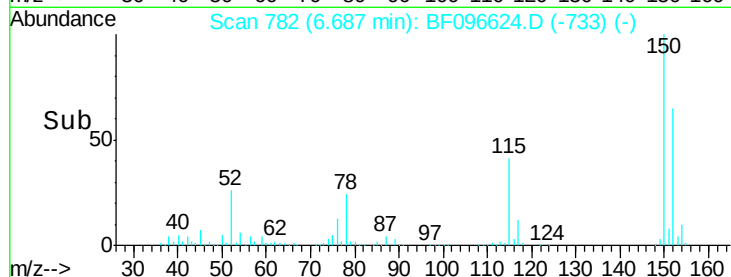
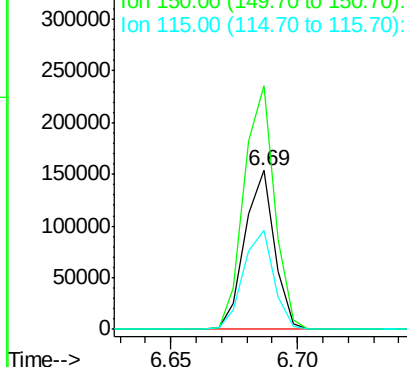
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125084
Ion Ratio Lower Upper
152 100
150 153.4 126.2 189.2
115 62.4 52.2 78.2



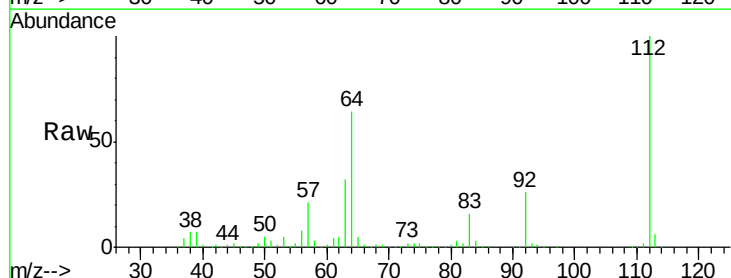
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



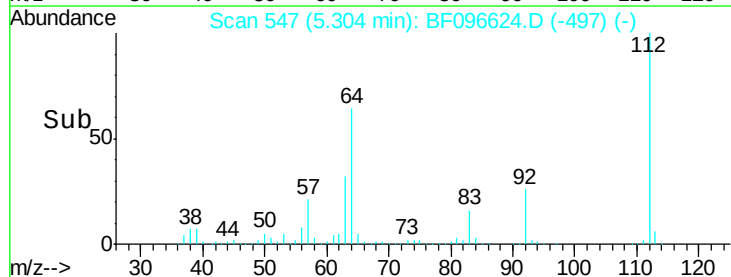
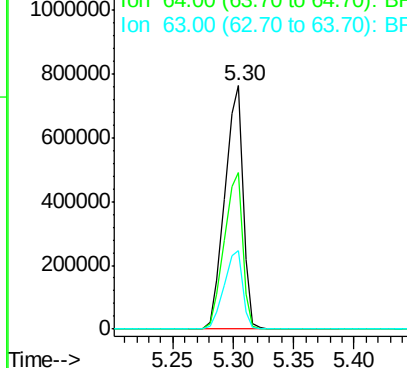
#5

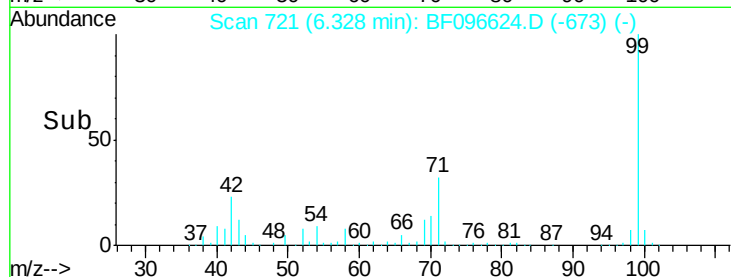
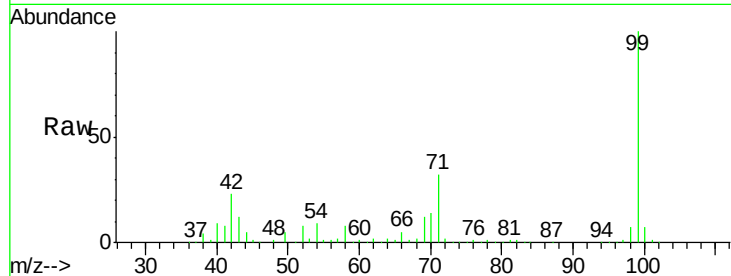
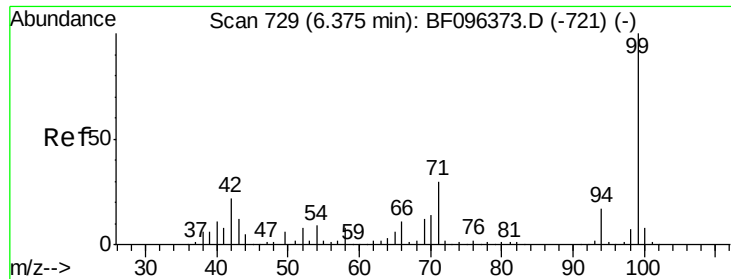
2-Fluorophenol
Concen: 94.64 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Tgt Ion:112 Resp: 802003
Ion Ratio Lower Upper
112 100
64 64.1 46.0 69.0
63 32.1 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: 94.13 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

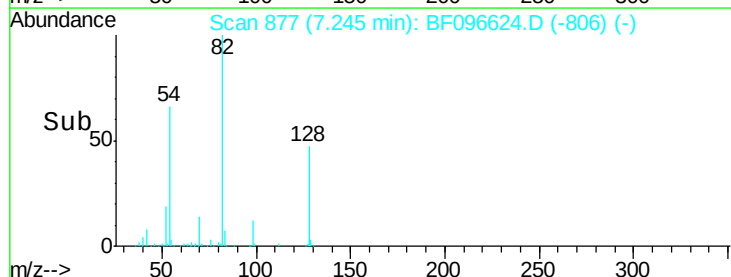
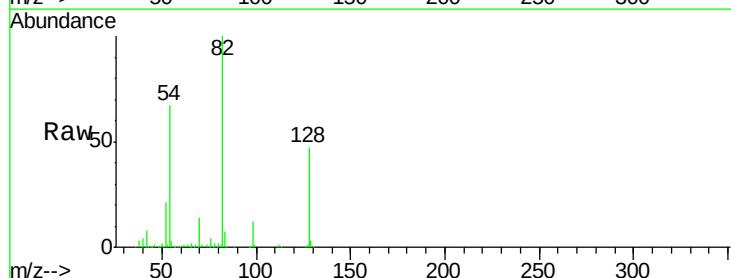
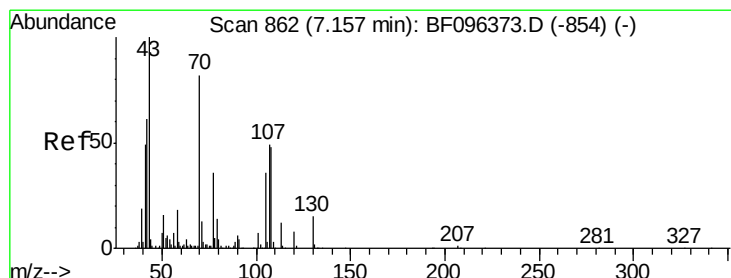
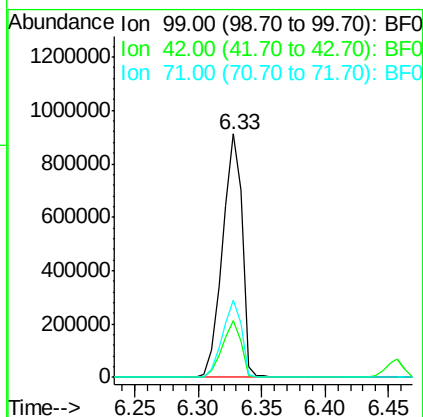
Tot Ion: 99 Resp: 980680

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

71 31.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.82 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Tgt Ion: 70 Resp: 73391

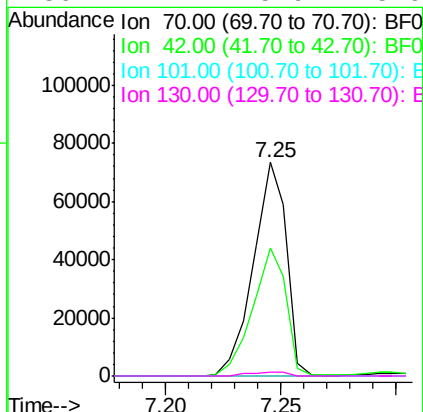
Ion Ratio Lower Upper

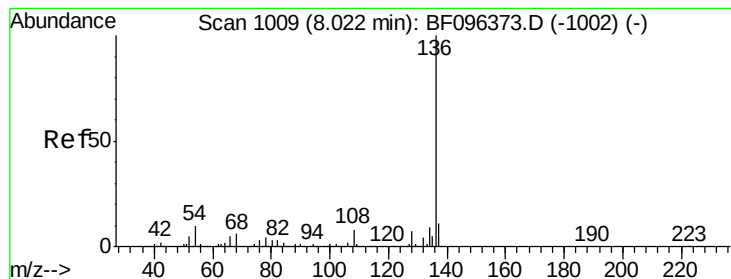
70 100

42 60.2 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: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096624.D

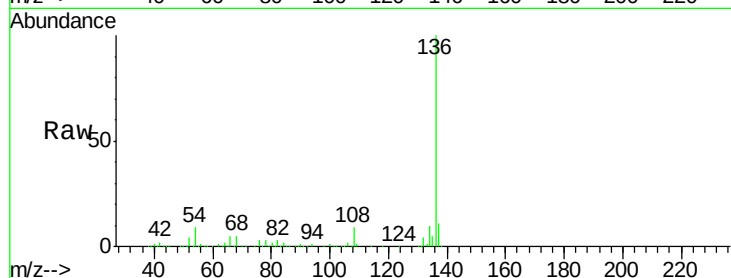
Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	445164
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.5 12.7
54	9.1	4.9 7.3#
68	5.1	4.1 6.1

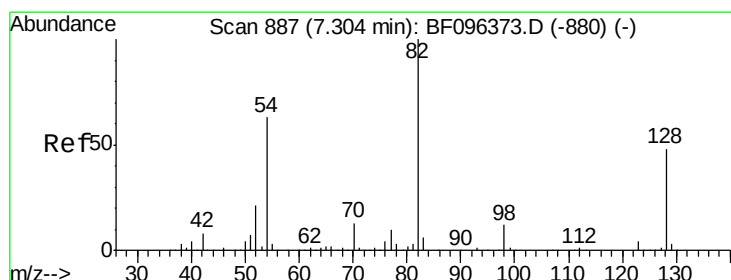
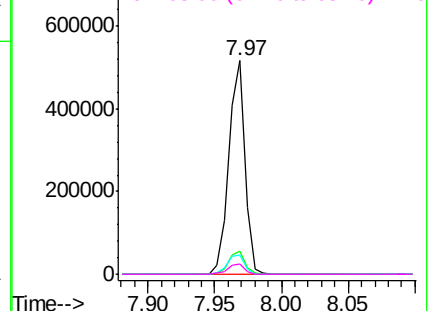
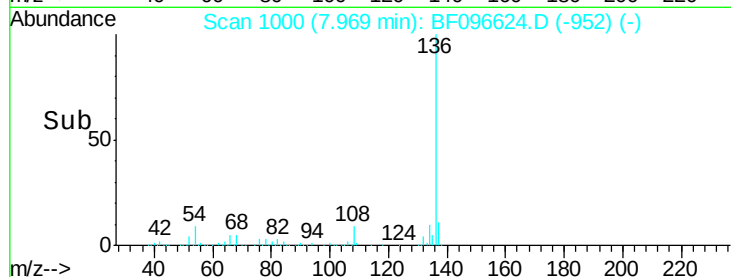


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.03 ng

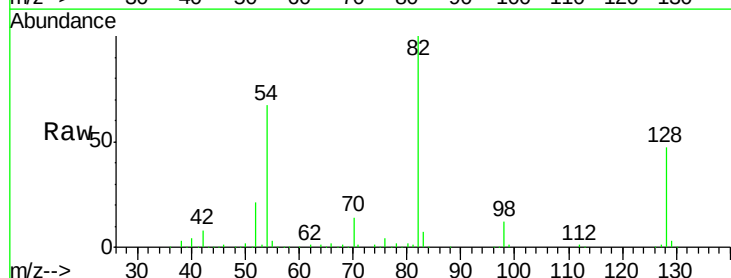
RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

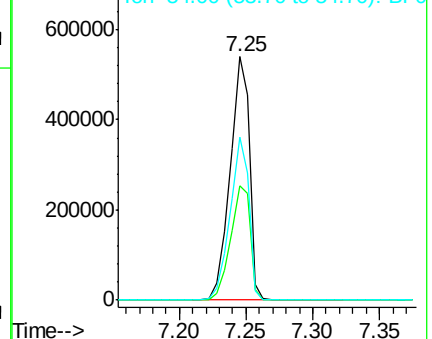
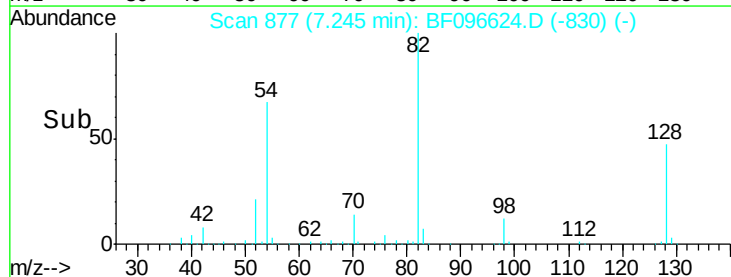
Tgt Ion: 82	Resp:	555816
Ion Ratio	Lower	Upper
82	100	
128	46.9	34.0 51.0
54	66.9	42.2 63.2#

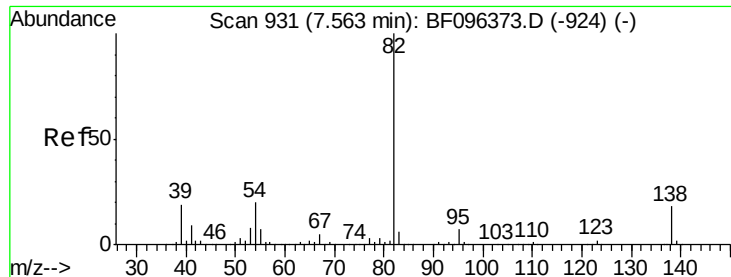


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.41 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

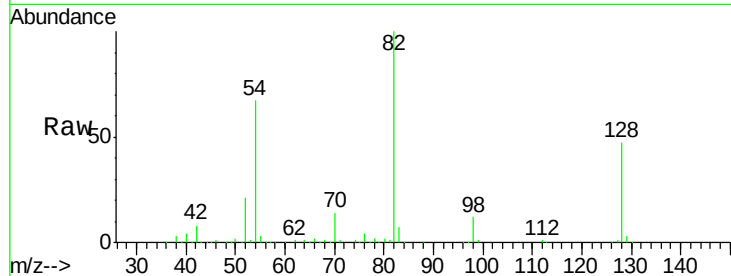
Tot Ion: 82 Resp: 551685

Ion Ratio Lower Upper

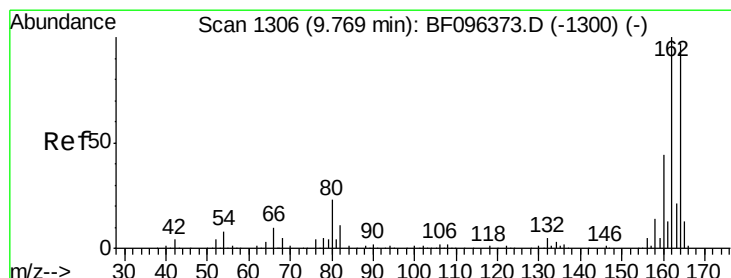
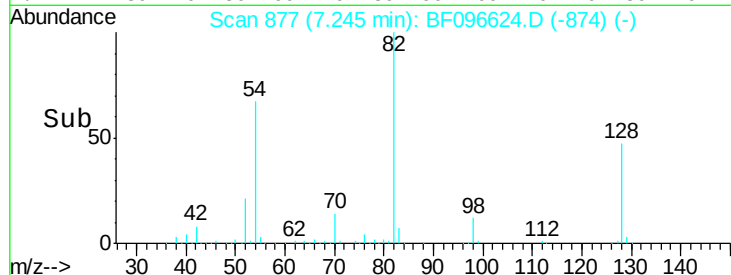
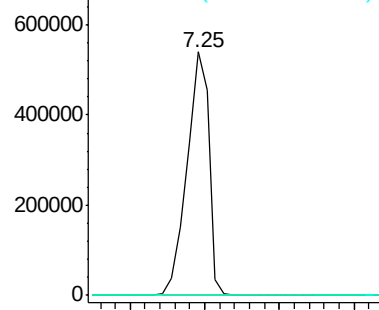
82 100

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: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

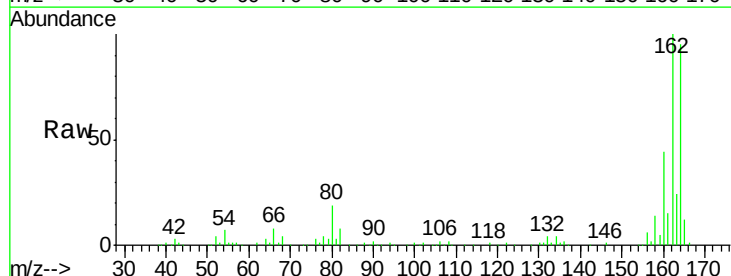
Tgt Ion: 164 Resp: 165946

Ion Ratio Lower Upper

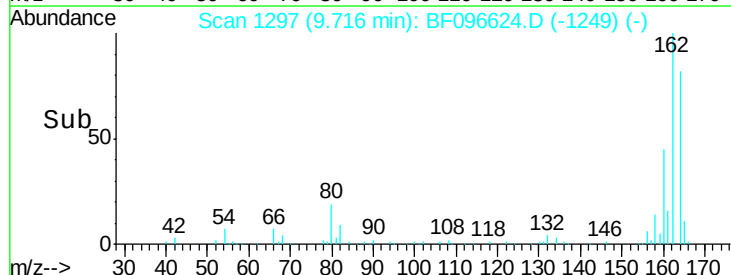
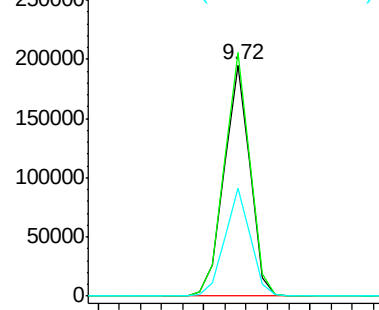
164 100

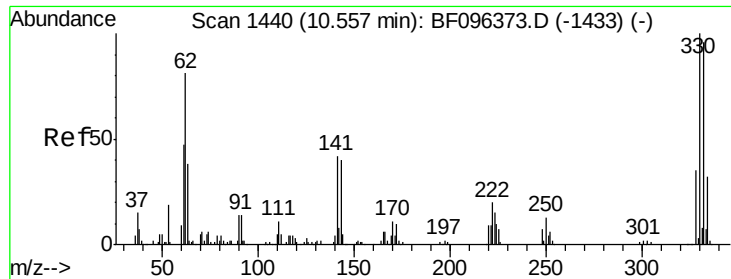
162 105.4 82.6 123.8

160 46.6 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

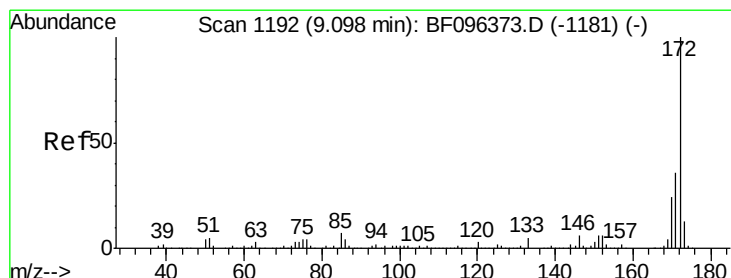
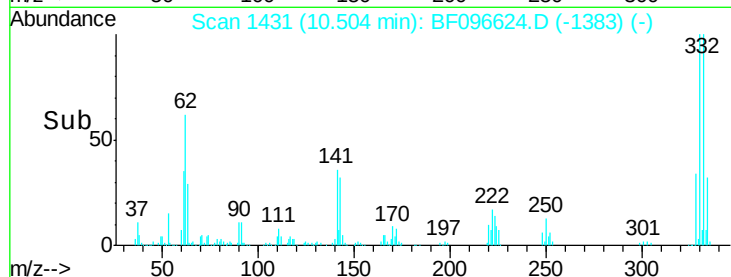
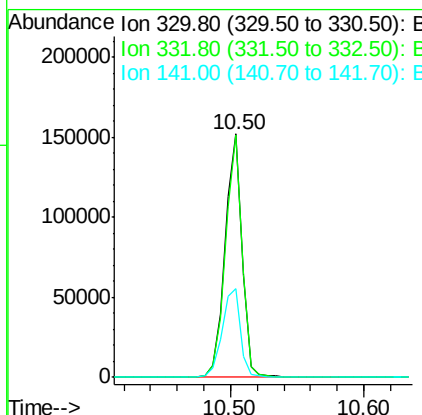
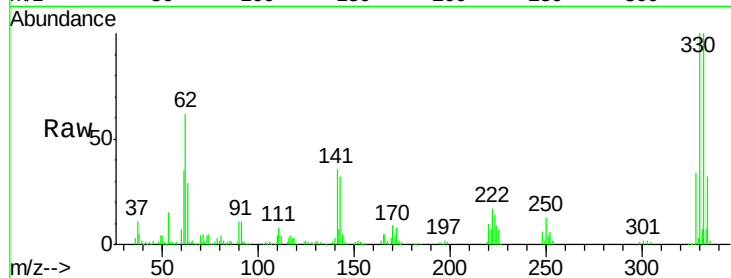




#41
 2,4,6-Tribromophenol
 Concen: 105.88 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

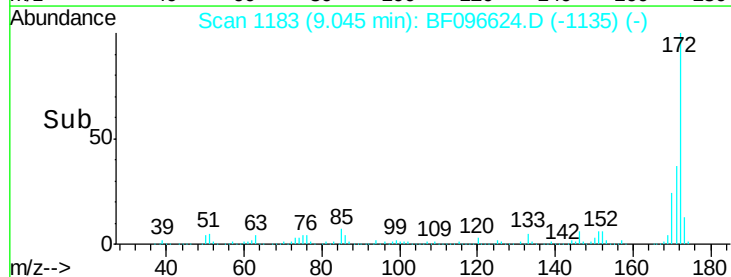
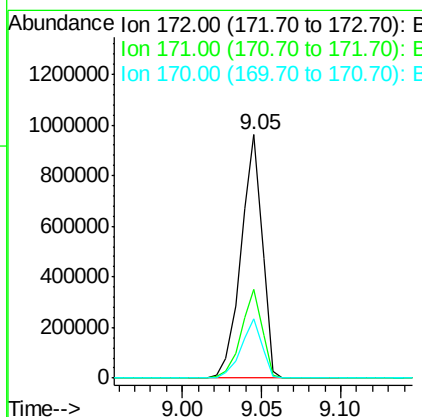
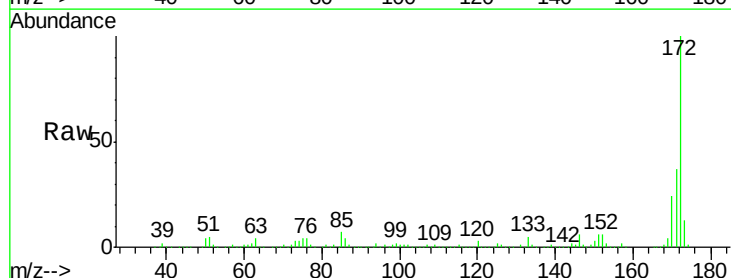
Instrument :
 BNA_F
 ClientSampleId :

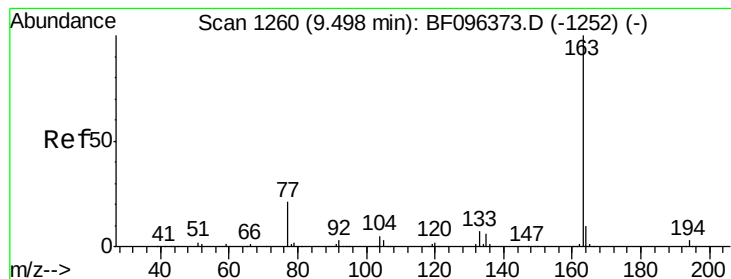
Tot Ion:330 Resp: 137240
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 39.3 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 91.52 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Tgt Ion:172 Resp: 888313
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.2 19.8 29.8





#49

Dimethylphthalate

Concen: 23.13 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.03 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

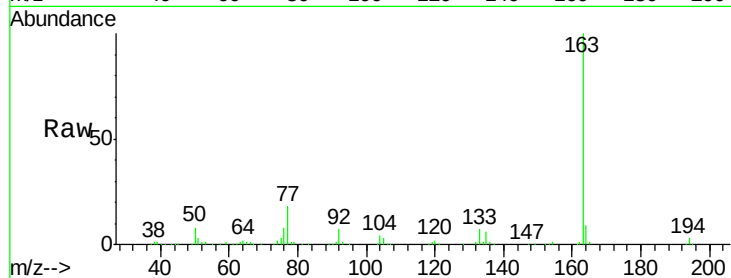
Tot Ion:163 Resp: 286494

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

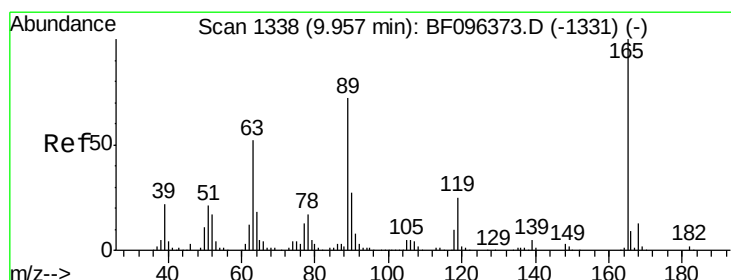
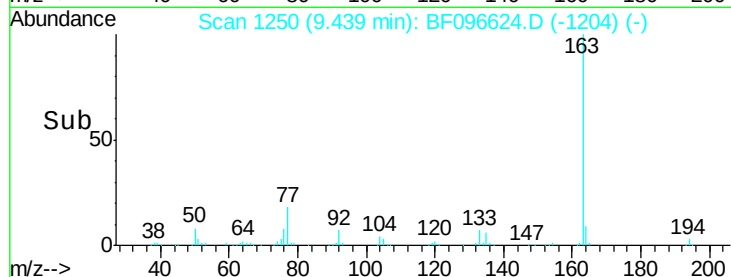
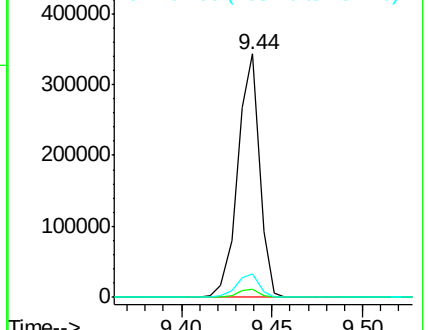
164 9.5 8.4 12.6



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: 9.72 min Scan# 1297

Delta R.T. -0.21 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Tgt Ion:165 Resp: 21391

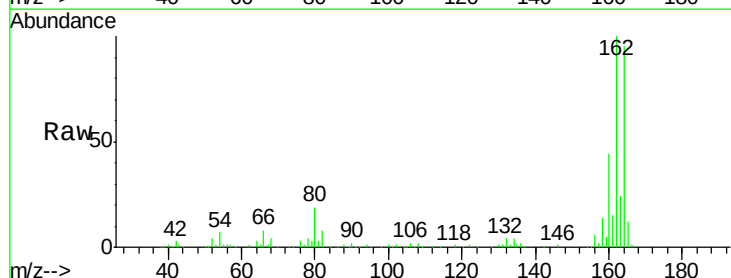
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.8 46.4 69.6#

182 0.0 1.8 2.6#

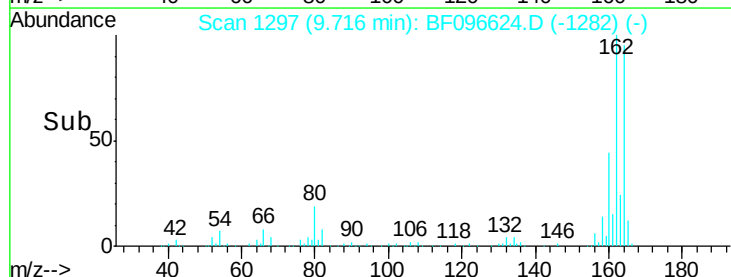
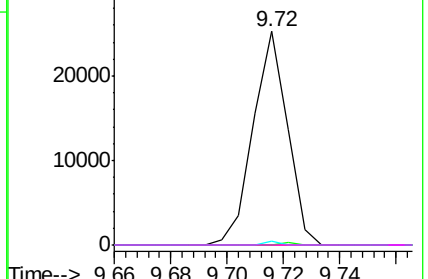


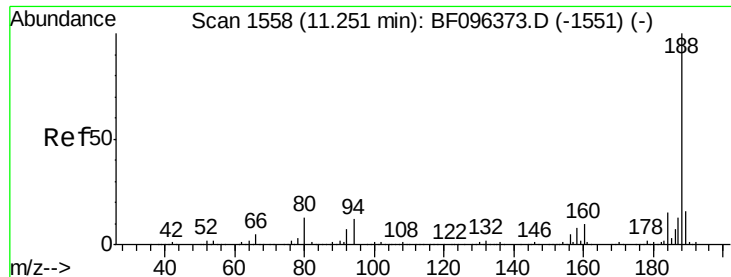
Abundance Ion 165.00 (164.70 to 165.70): E

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

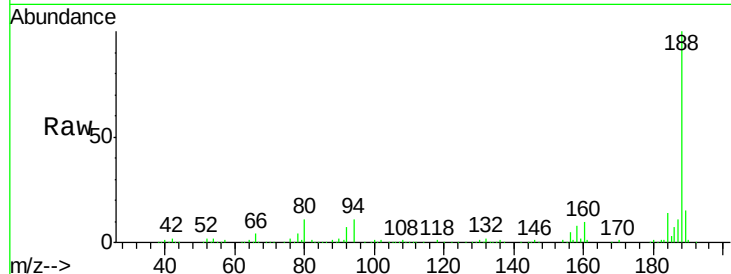




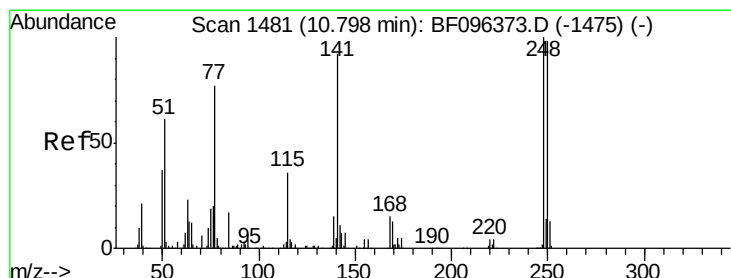
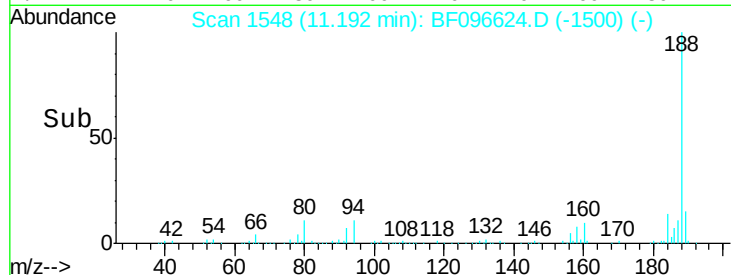
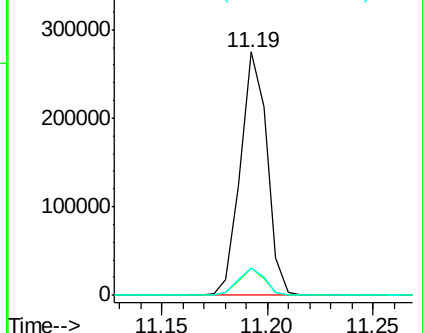
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 239453
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 11.1 10.2 15.2

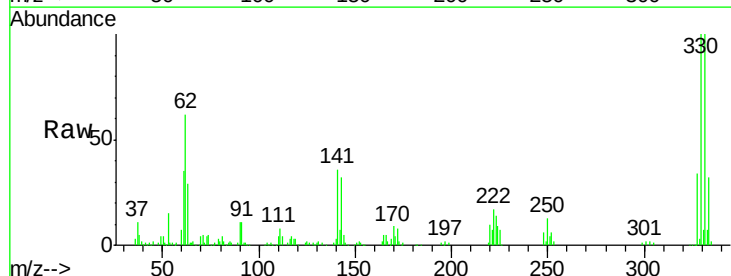


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

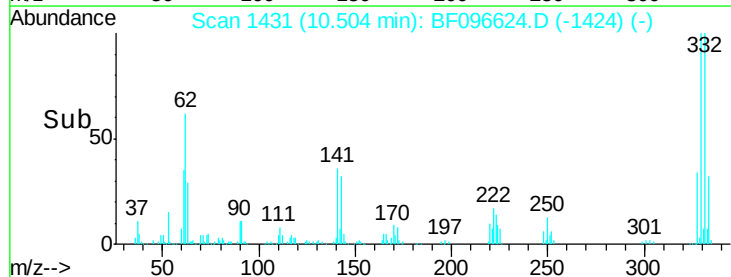
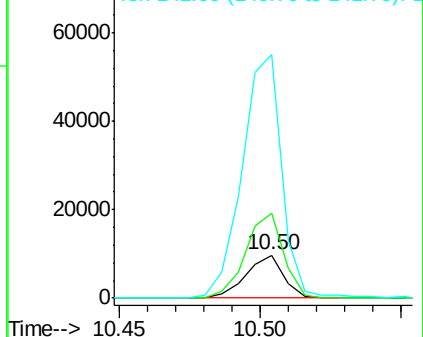


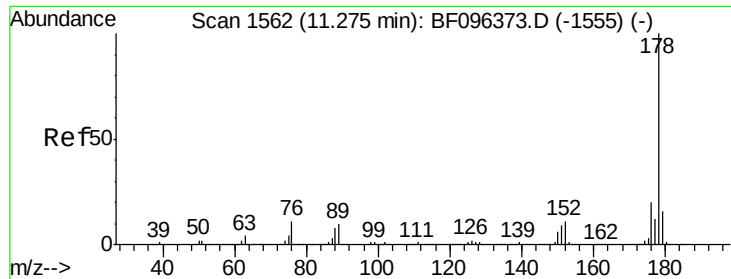
#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.26 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Tgt Ion:248 Resp: 9064
Ion Ratio Lower Upper
248 100
250 195.3 76.8 115.2#
141 563.6 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: 3.64 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

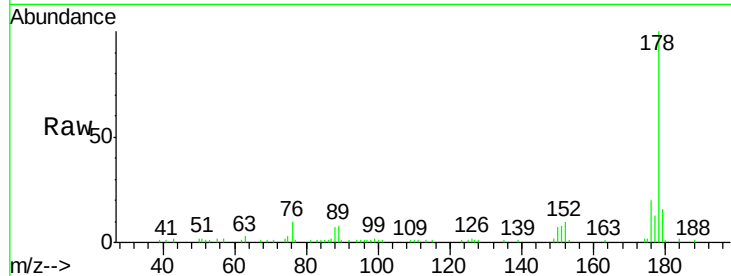
Tot Ion:178 Resp: 47150

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

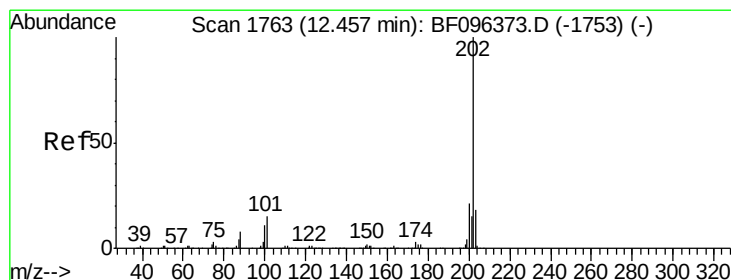
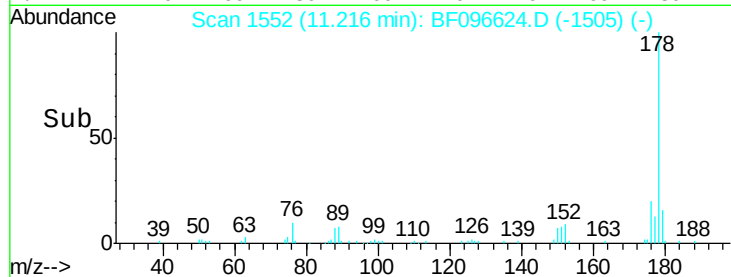
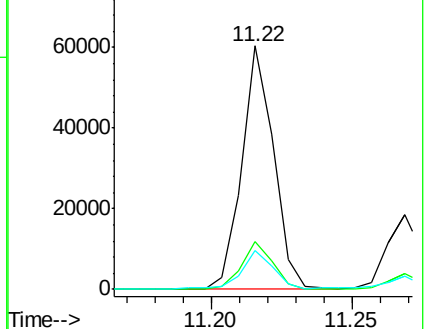
179 15.8 12.6 19.0



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: 5.91 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

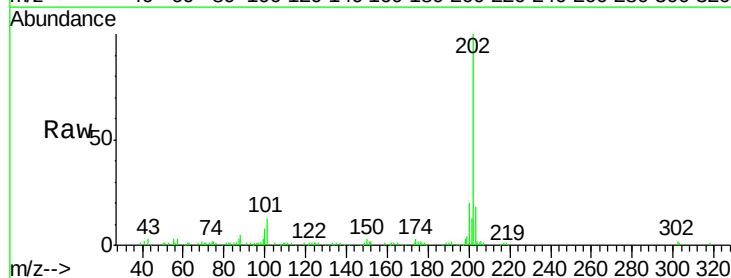
Tgt Ion:202 Resp: 75000

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

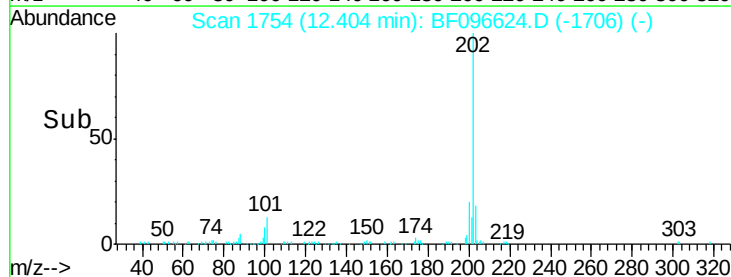
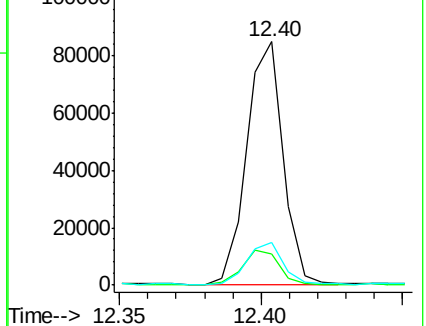
203 17.6 0.0 38.1

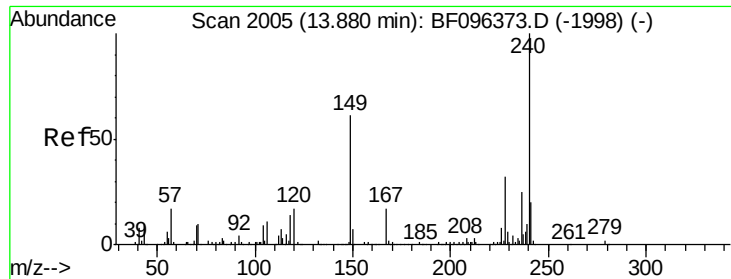


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

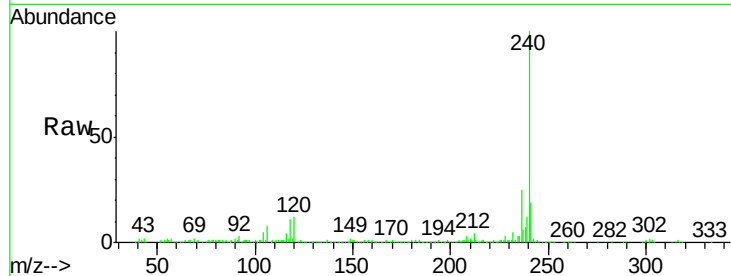
Tot Ion:240 Resp: 227122

Ion Ratio Lower Upper

240 100

120 11.8 5.8 8.8#

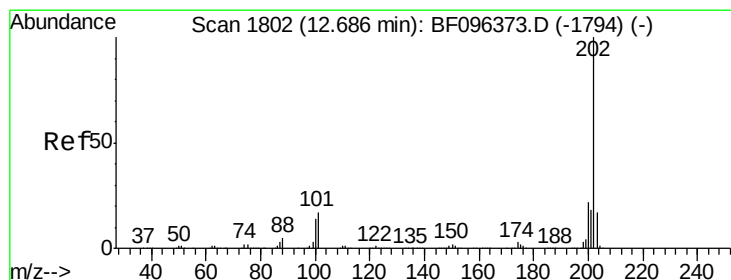
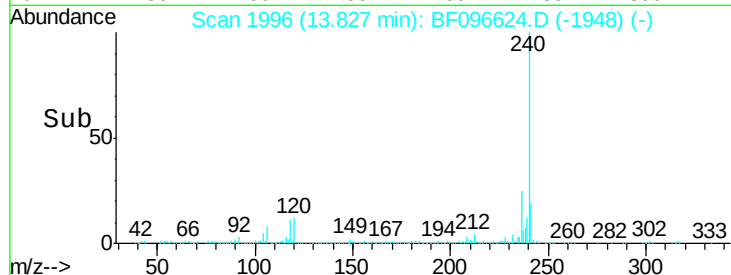
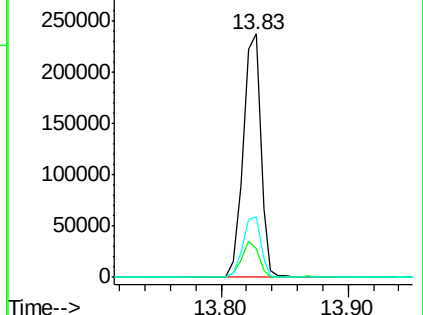
236 24.9 20.5 30.7



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: 5.20 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

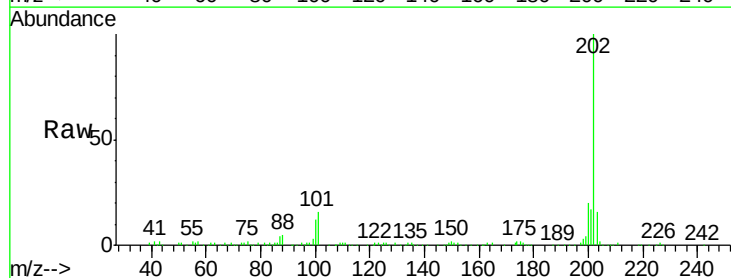
Tgt Ion:202 Resp: 94800

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

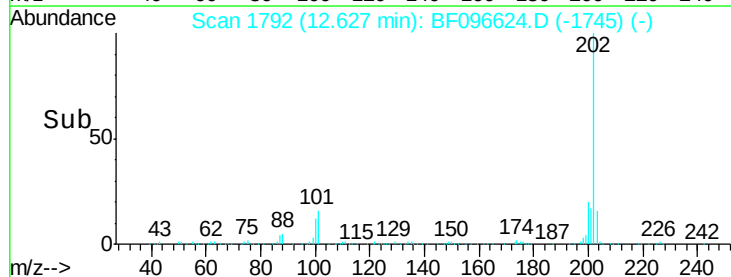
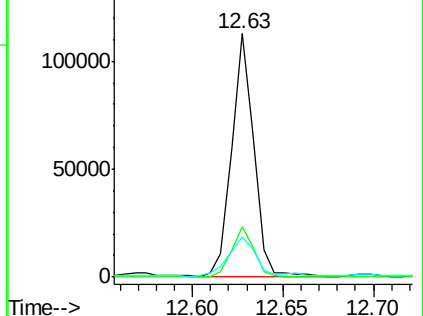
203 16.4 14.4 21.6

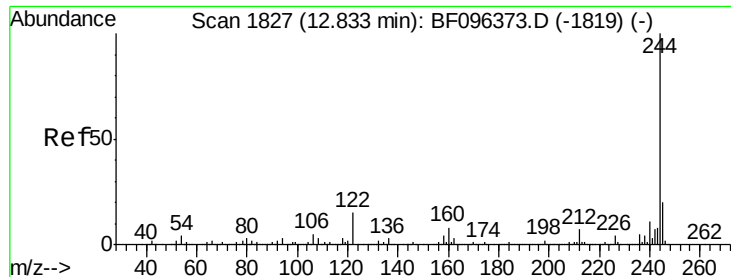


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

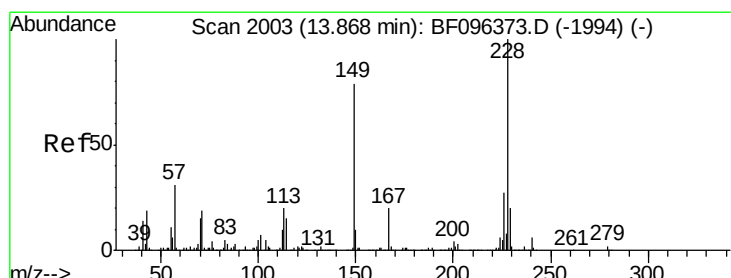
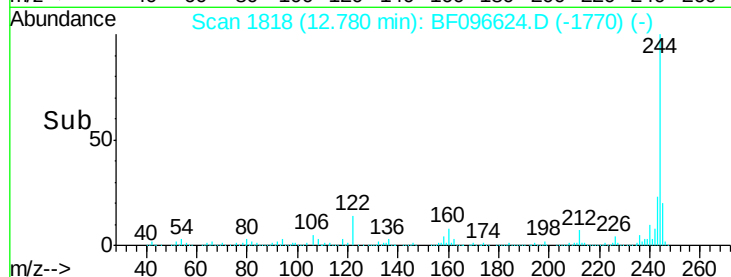
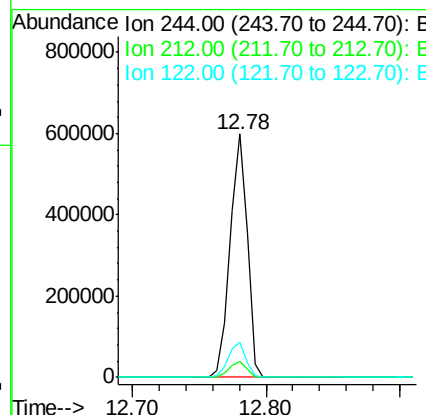
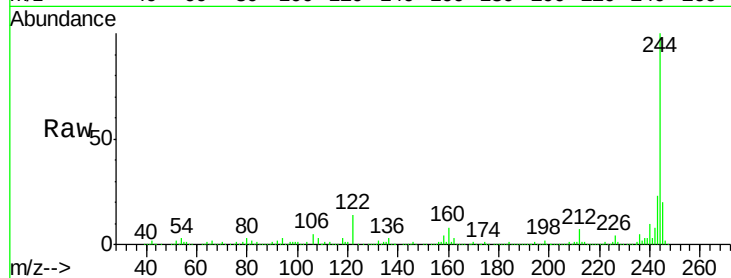




#78
 Terphenyl-d14
 Concen: 51.89 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

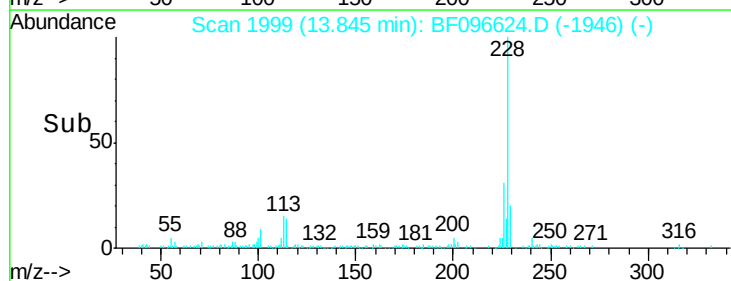
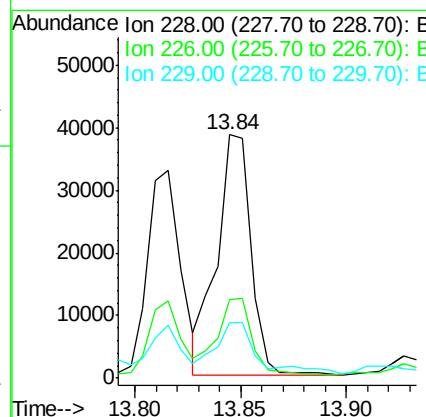
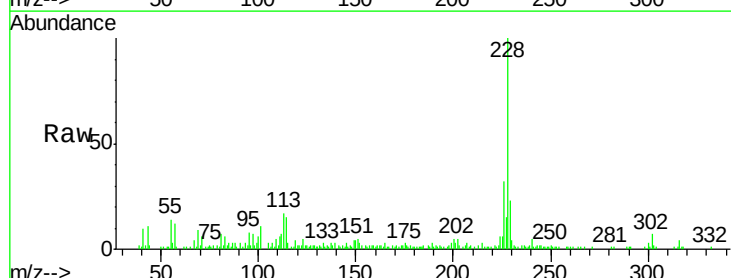
Instrument :
 BNA_F
 ClientSampleId :

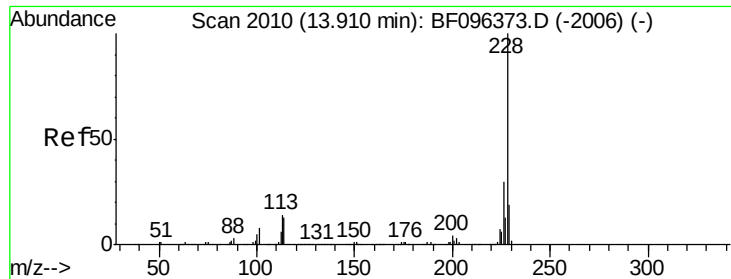
Tot Ion:244 Resp: 551573
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 14.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.27 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. 0.01 min
 Lab File: BF096624.D
 Acq: 11 Jul 2017 1:56

Tgt Ion:228 Resp: 43047
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.6 33.8
 229 22.7 16.3 24.5





#82

Chrysene

Concen: 3.13 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.03 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

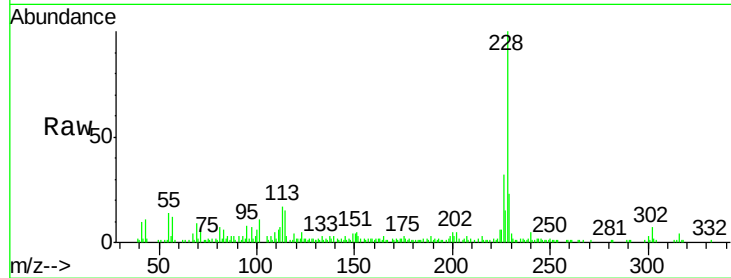
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 43047

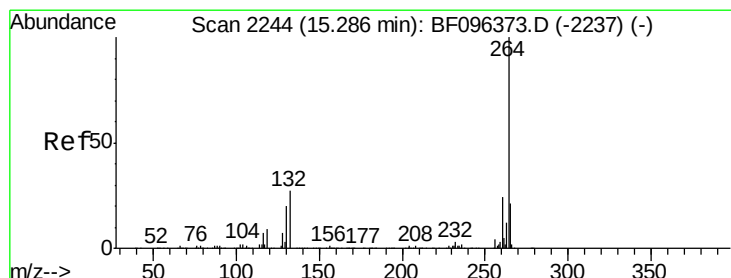
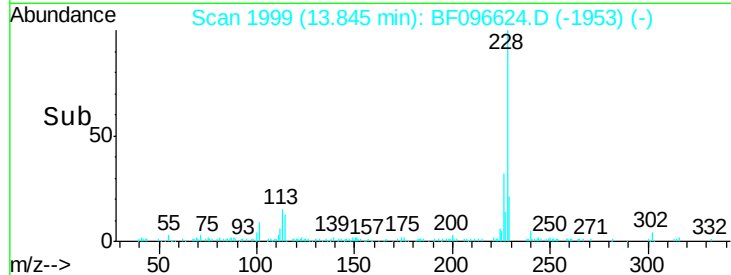
Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	22.7	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

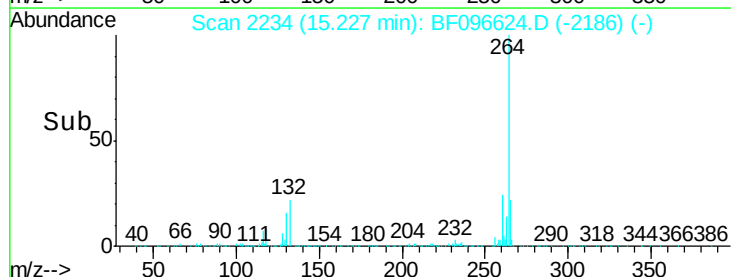
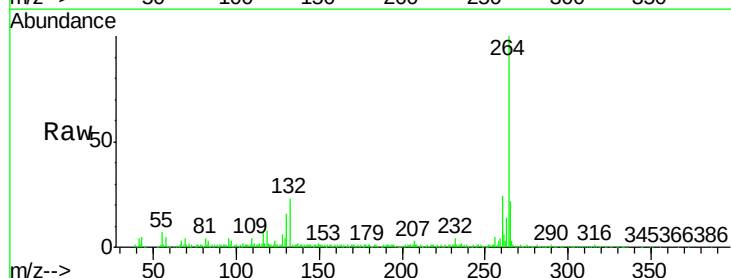
Tgt Ion:264 Resp: 185949

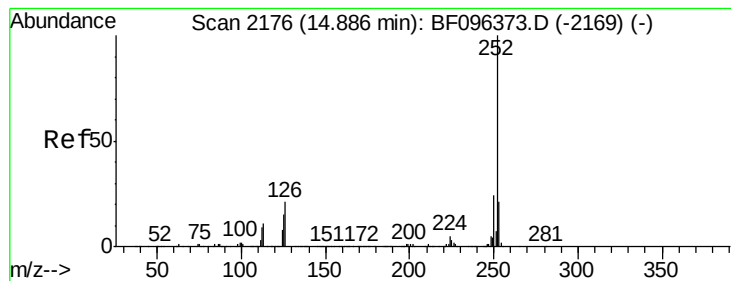
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.1	17.2	25.8

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: 4.83 ng

RT: 14.83 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BF096624.D

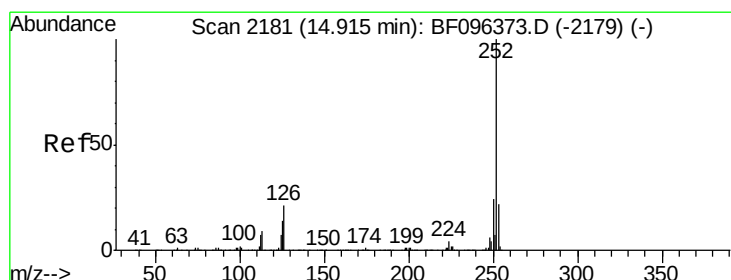
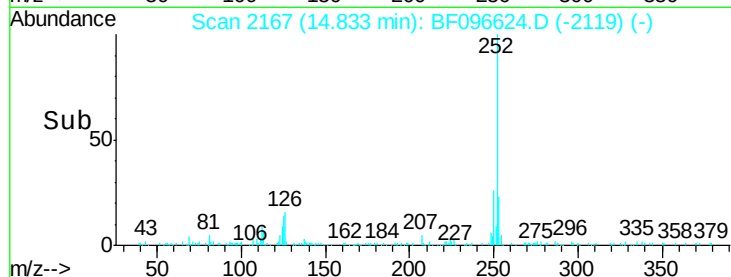
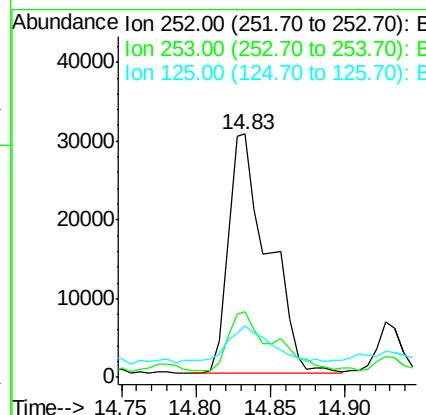
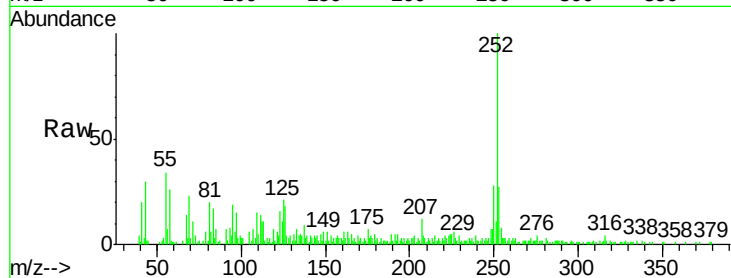
Acq: 11 Jul 2017 1:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	56251
Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.1	27.1
125	21.4	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 5.40 ng

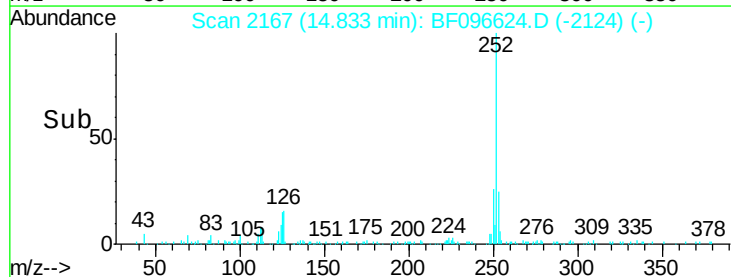
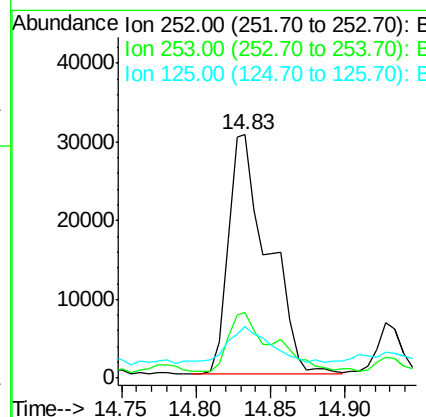
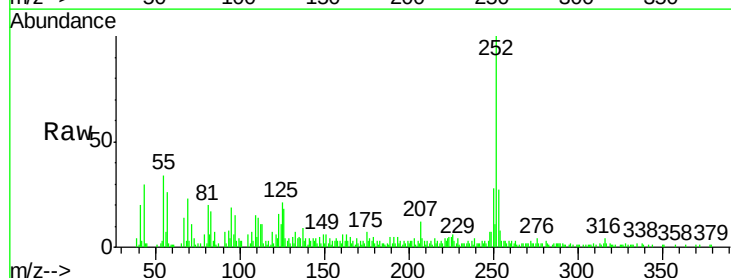
RT: 14.83 min Scan# 2167

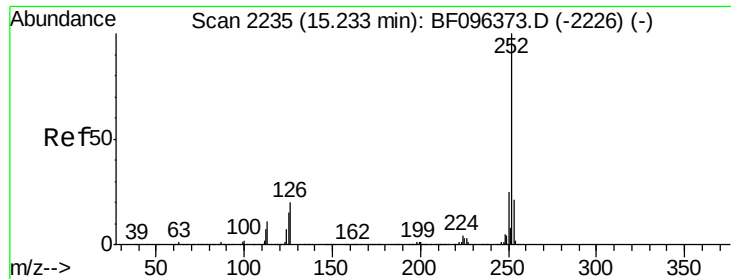
Delta R.T. -0.05 min

Lab File: BF096624.D

Acq: 11 Jul 2017 1:56

Tgt Ion:	252	Resp:	56251
Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.4	27.6
125	21.4	13.1	19.7#

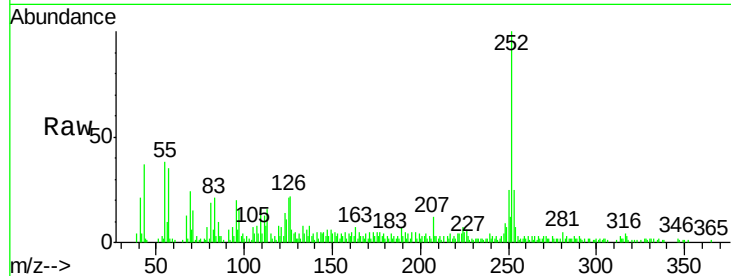




#89
Benzo(a)pyrene
Concen: 3.14 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.03 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	20.6	11.0	16.4

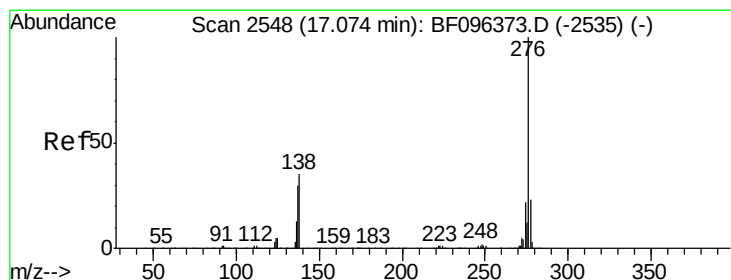
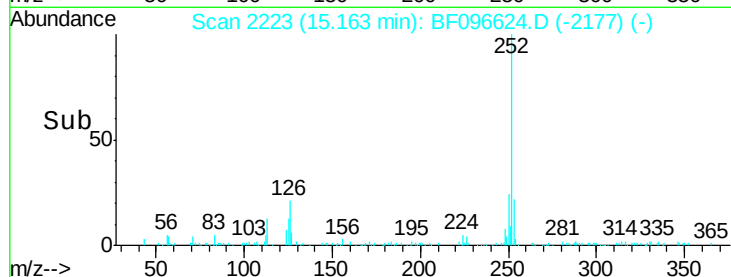
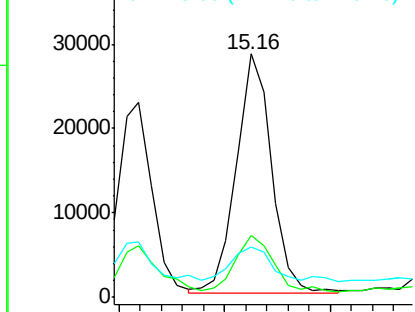


Abundance

Ion 252.00 (251.70 to 252.70): E

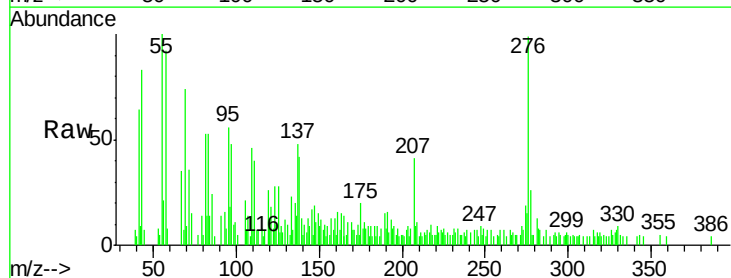
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.03 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.04 min
Lab File: BF096624.D
Acq: 11 Jul 2017 1:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	42.2	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

