

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097221.D
 Acq On : 31 Jul 2017 21:24
 Operator : SJ/JU
 Sample : I4456-01 2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-SS-3

Quant Time: Aug 01 00:59:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

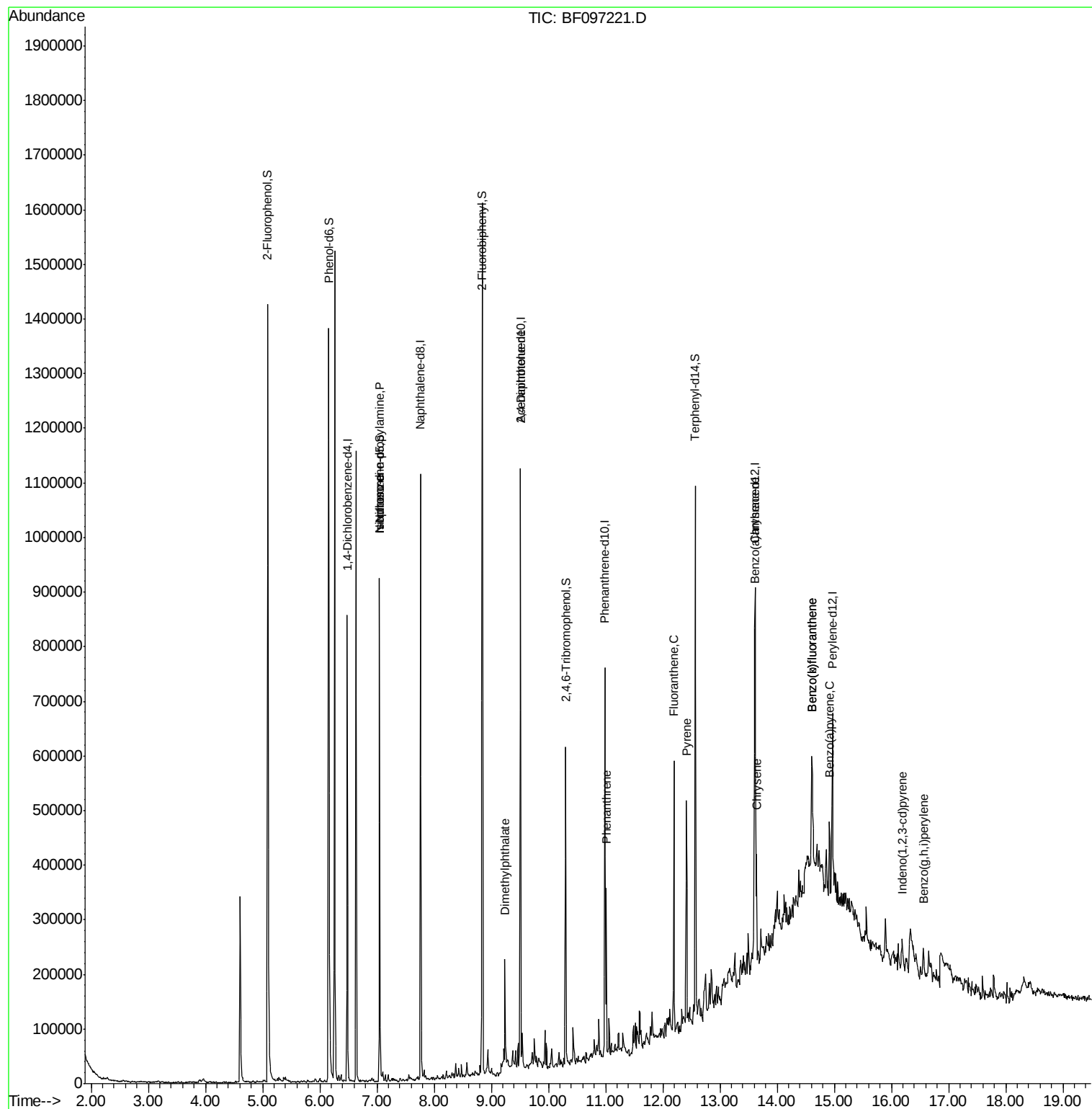
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	123512	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	442169	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	191591	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	247455	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	214211	20.00	ng	-0.01
86) Perylene-d12	14.97	264	143453	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	448640	54.76	ng	-0.01
7) Phenol-d6	6.16	99	469454	50.19	ng	-0.01
23) Nitrobenzene-d5	7.05	82	248805	33.01	ng	-0.03
41) 2,4,6-Tribromophenol	10.30	330	55702	36.80	ng	-0.02
44) 2-Fluorobiphenyl	8.84	172	458570	40.62	ng	-0.03
78) Terphenyl-d14	12.57	244	271583	25.85	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.05	70	32328	5.25	ng	# 84
25) Isophorone	7.05	82	245681	16.64	ng	# 67
49) Dimethylphthalate	9.24	163	69671	4.79	ng	98
56) 2,4-Dinitrotoluene	9.51	165	25142	7.09	ng	# 34
70) Phenanthrene	11.01	178	106343	8.02	ng	96
74) Fluoranthene	12.19	202	178728	13.76	ng	99
77) Pyrene	12.42	202	151035	8.61	ng	98
80) Benzo(a)anthracene	13.60	228	90620	6.54	ng	99
82) Chrysene	13.64	228	73674	5.44	ng	97
85) Indeno(1,2,3-cd)pyrene	16.19	276	25110	2.16	ng	97
87) Benzo(b)fluoranthene	14.61	252	119053	13.81	ng	# 93
88) Benzo(k)fluoranthene	14.61	252	119053	14.49	ng	# 96
89) Benzo(a)pyrene	14.92	252	50090	6.35	ng	# 90
91) Benzo(a,h,i)perylene	16.56	276	25745	3.79	ng	93

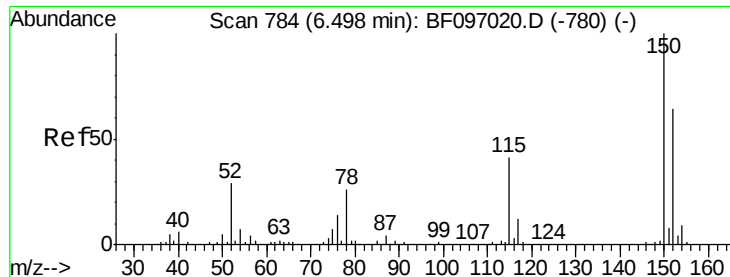
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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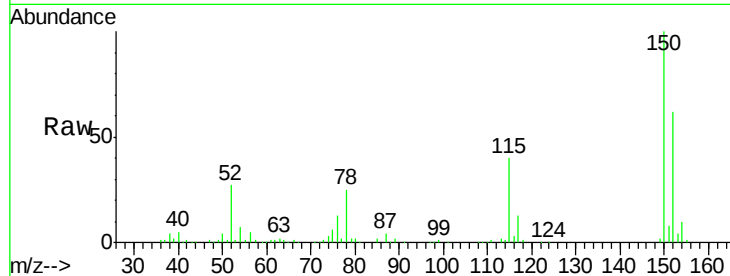


#1

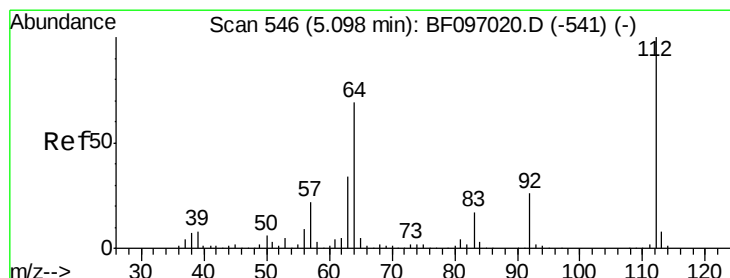
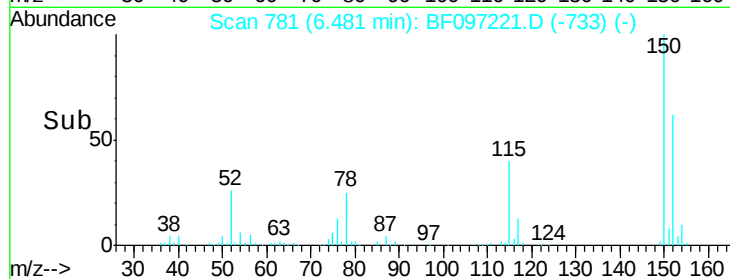
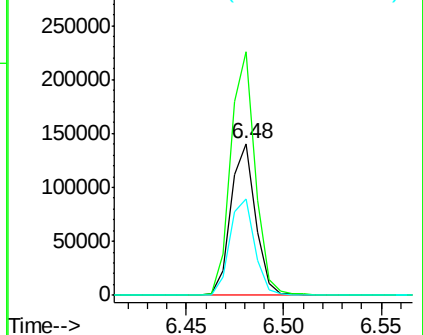
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	63.4	52.2	78.2



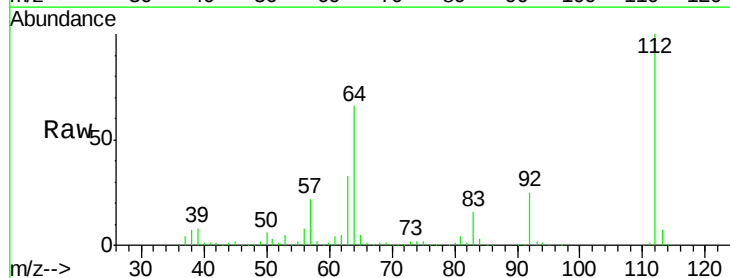
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



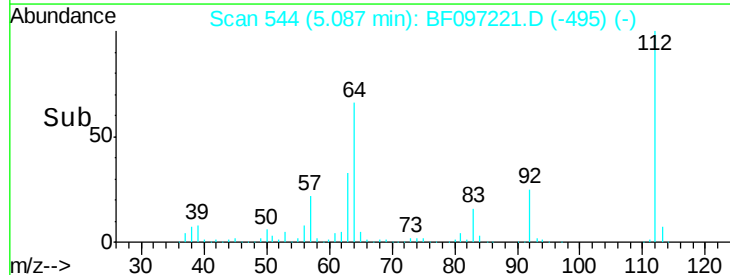
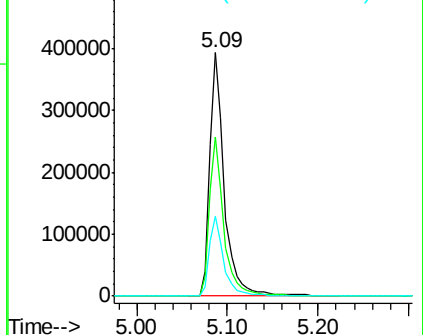
#5

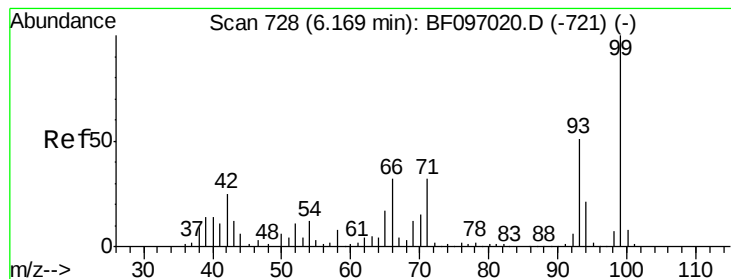
2-Fluorophenol
Concen: 54.76 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.0	69.0
63	32.9	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: 50.19 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

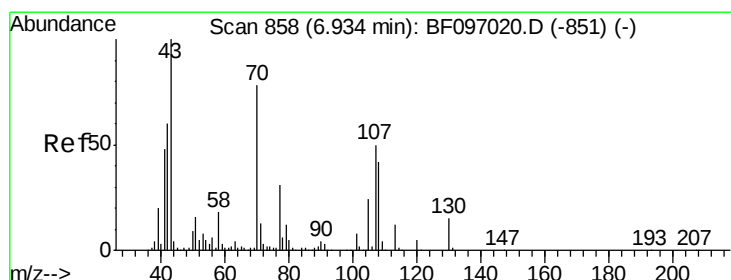
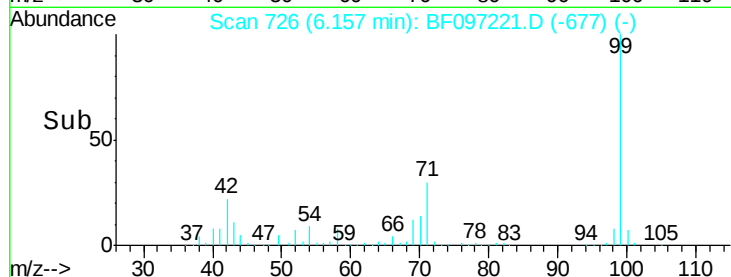
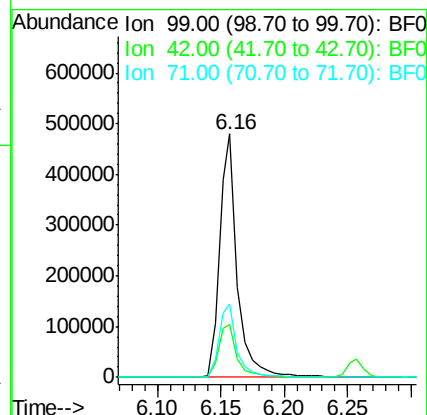
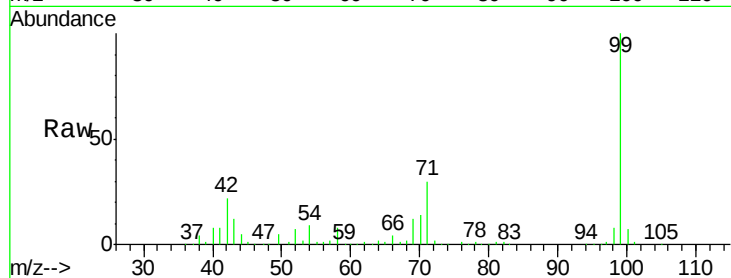
Tot Ion: 99 Resp: 469454

Ion Ratio Lower Upper

99 100

42 21.8 13.5 20.3#

71 30.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.25 ng

RT: 7.05 min Scan# 877

Delta R.T. 0.11 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Tgt Ion: 70 Resp: 32328

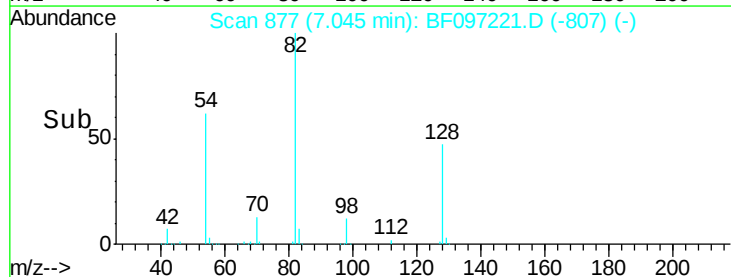
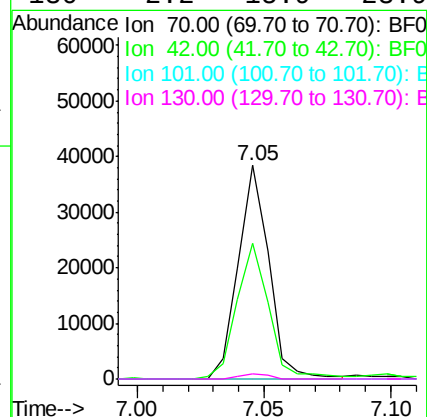
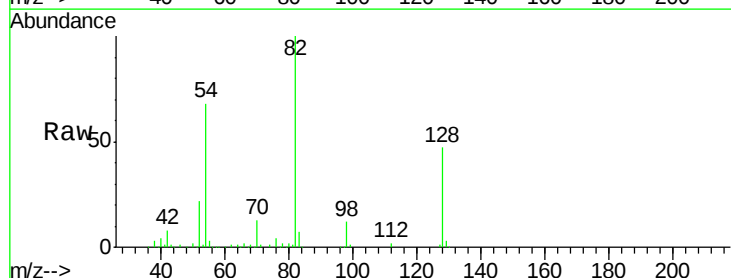
Ion Ratio Lower Upper

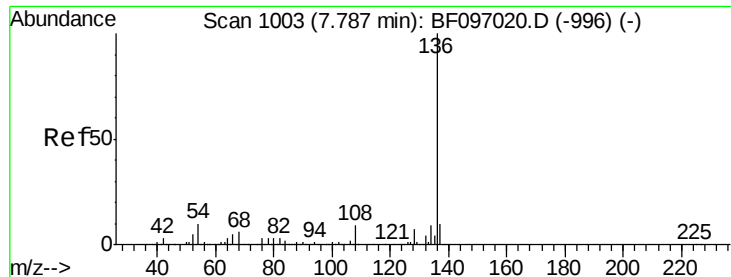
70 100

42 63.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

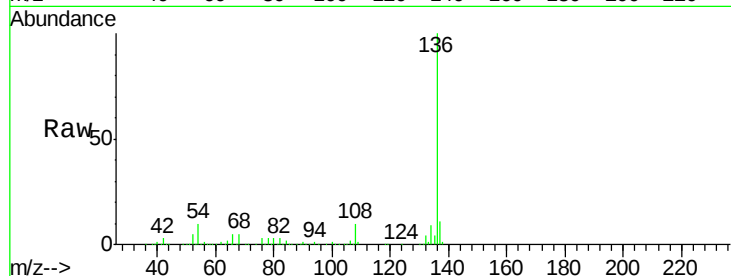




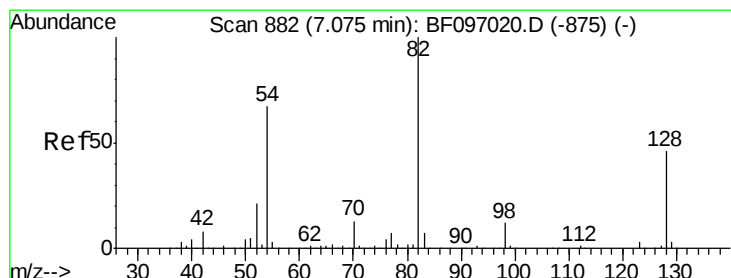
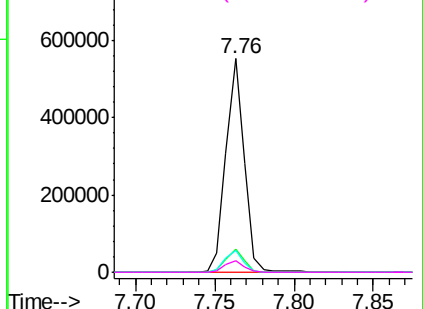
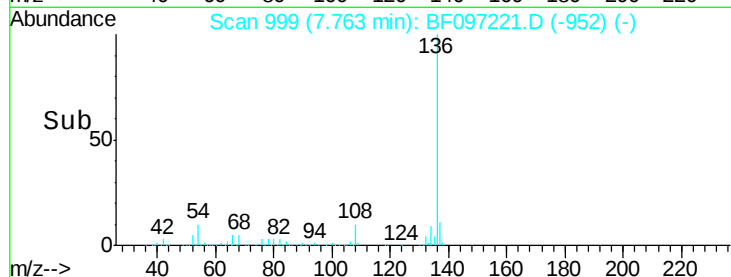
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion:136	Resp:	442169
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.5 12.7
54	10.1	4.9 7.3#
68	5.3	4.1 6.1

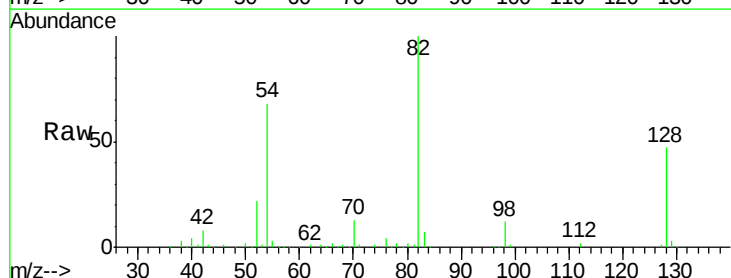


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

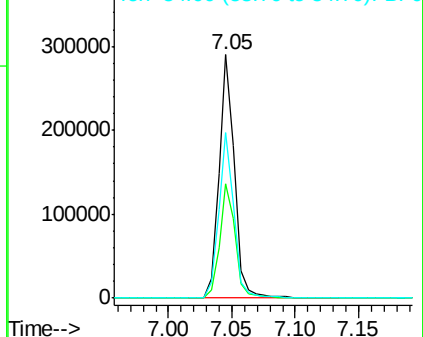
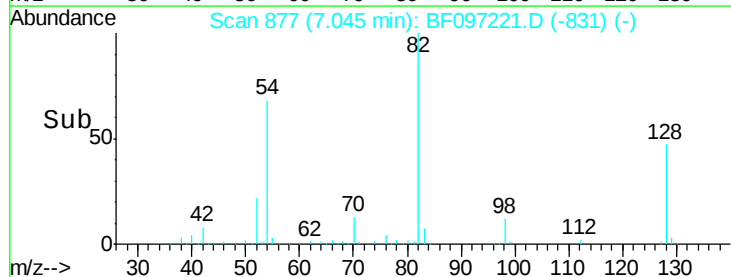


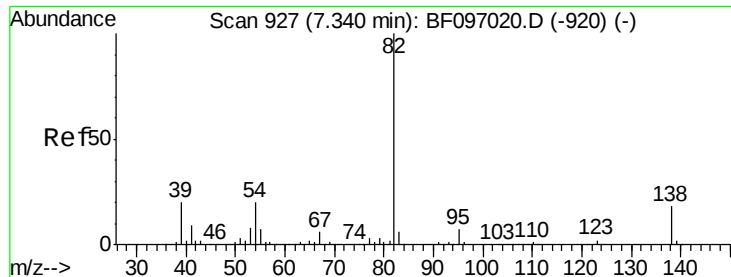
#23
Nitrobenzene-d5
Concen: 33.01 ng
RT: 7.05 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion: 82	Resp:	248805
Ion	Ratio	Lower Upper
82	100	
128	46.8	34.0 51.0
54	67.9	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: 16.64 ng

RT: 7.05 min Scan# 877

Delta R.T. -0.29 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

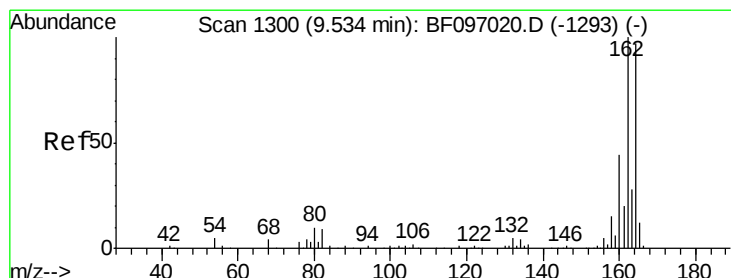
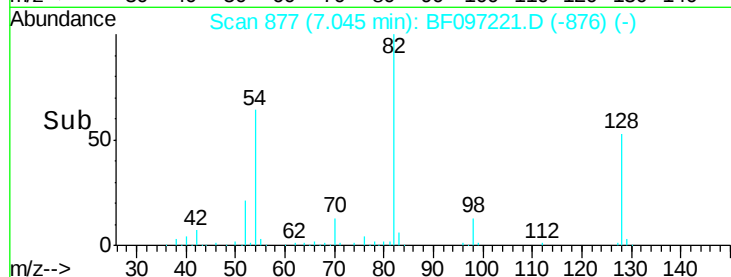
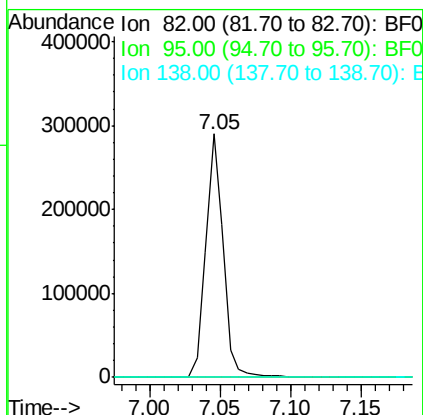
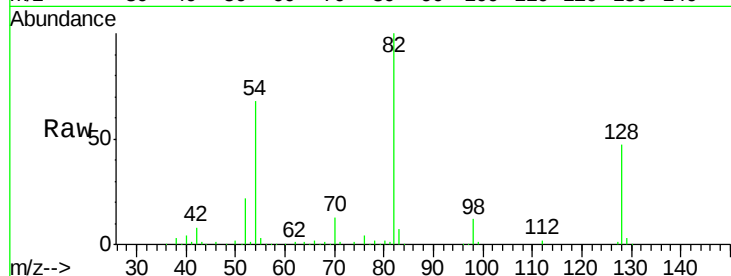
Tot Ion: 82 Resp: 245681

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: 9.51 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

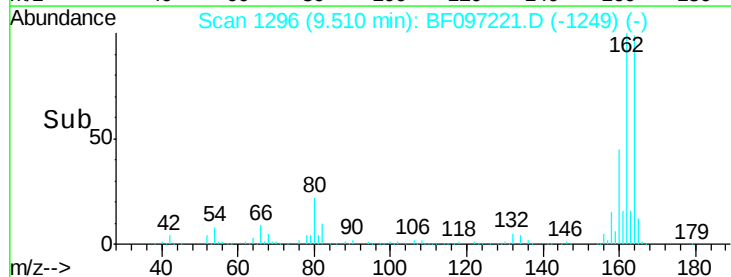
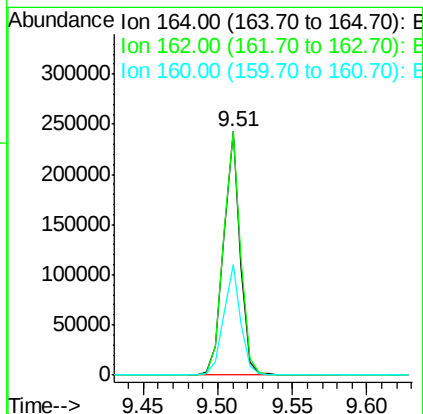
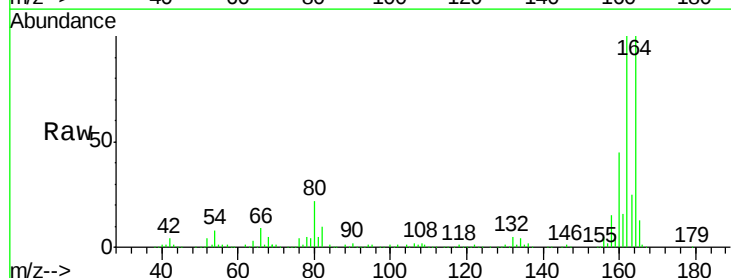
Tgt Ion: 164 Resp: 191591

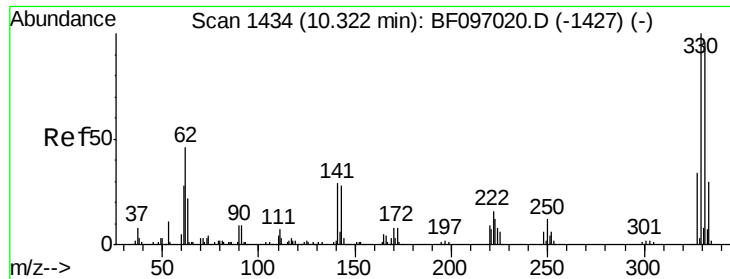
Ion Ratio Lower Upper

164 100

162 100.0 82.6 123.8

160 45.5 36.2 54.2

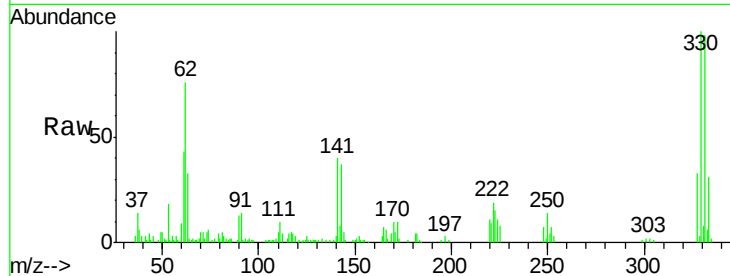




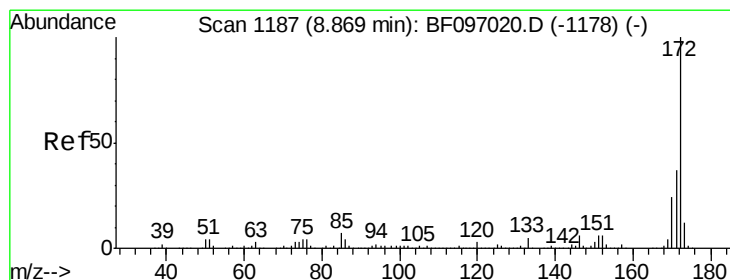
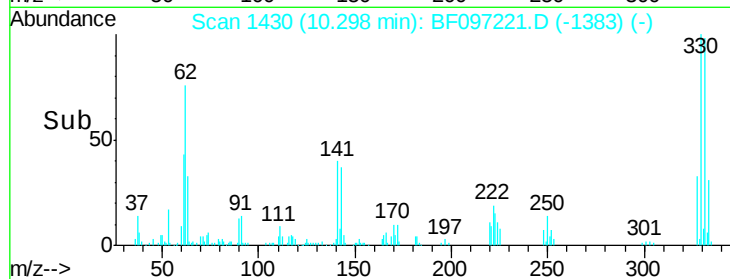
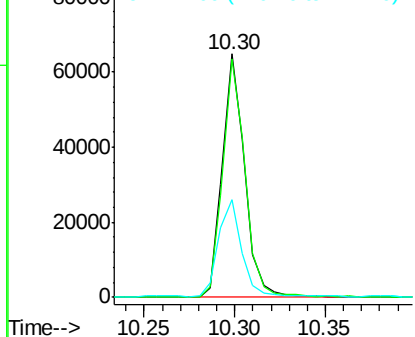
#41
 2,4,6-Tribromophenol
 Concen: 36.80 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097221.D
 Acq: 31 Jul 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-SS-3

Tot Ion:330 Resp: 55702
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 43.3 31.4 47.2

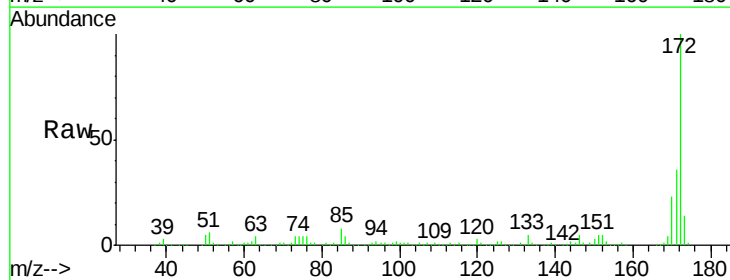


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

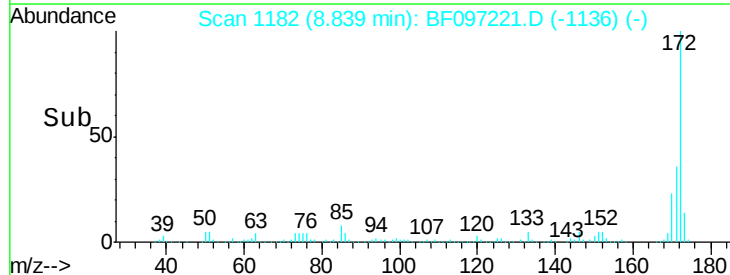
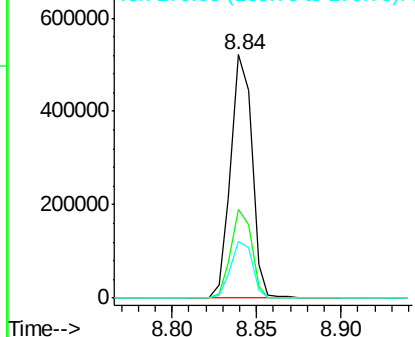


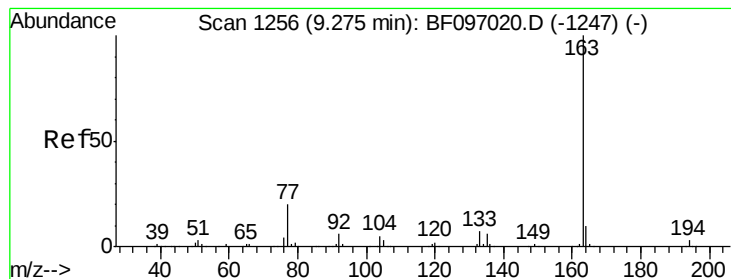
#44
 2-Fluorobiphenyl
 Concen: 40.62 ng
 RT: 8.84 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BF097221.D
 Acq: 31 Jul 2017 21:24

Tgt Ion:172 Resp: 458570
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.5 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: 4.79 ng

RT: 9.24 min Scan# 1250

Delta R.T. -0.04 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

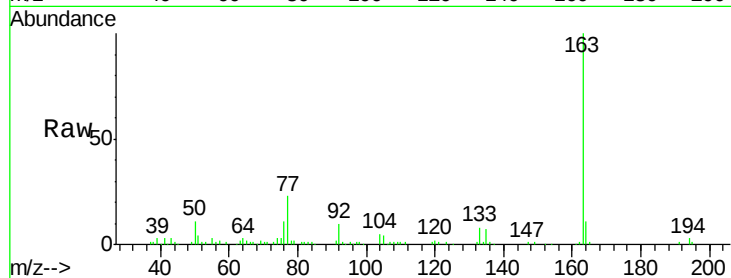
Tot Ion:163 Resp: 69671

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

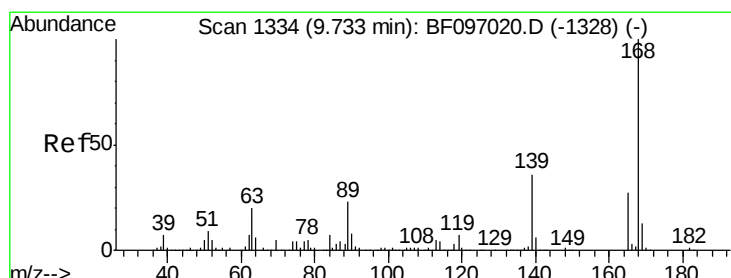
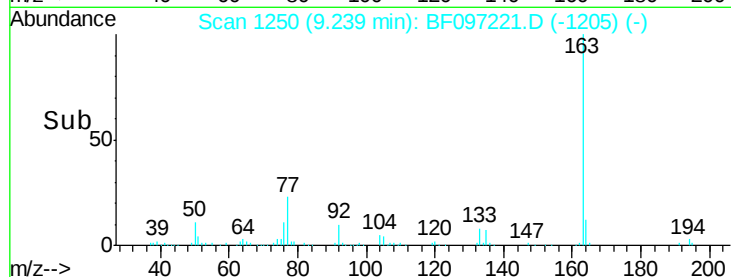
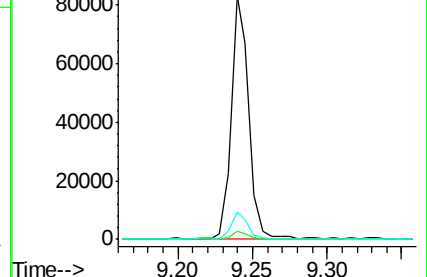
164 11.5 8.4 12.6



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: 7.09 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Tgt Ion:165 Resp: 25142

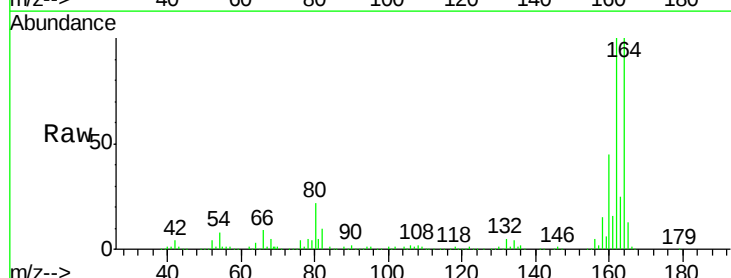
Ion Ratio Lower Upper

165 100

63 2.8 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

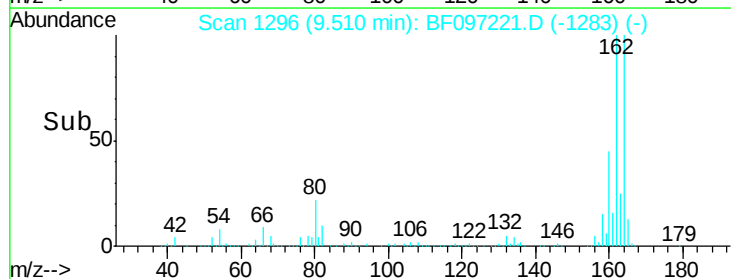
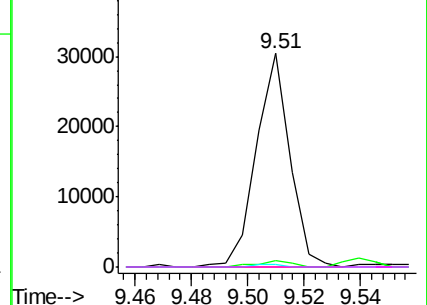


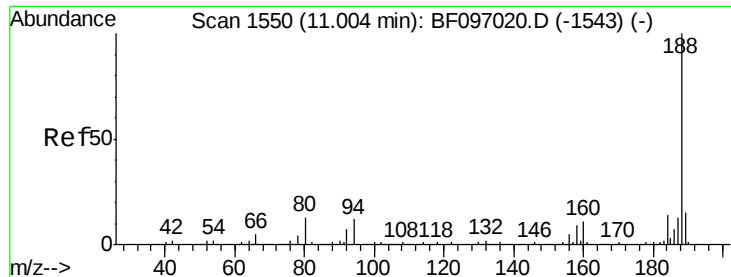
Abundance Ion 165.00 (164.70 to 165.70): E

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

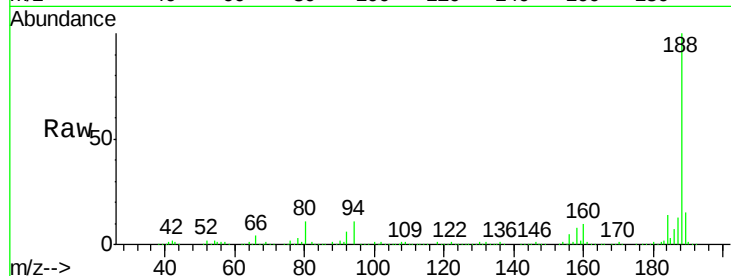




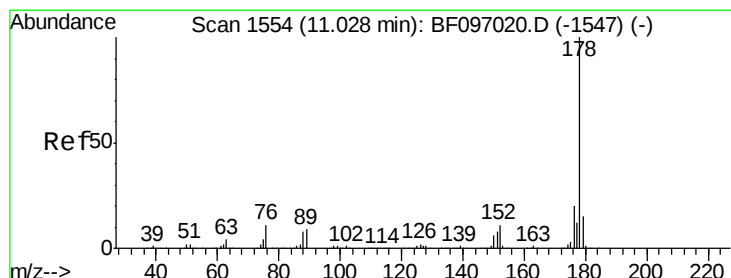
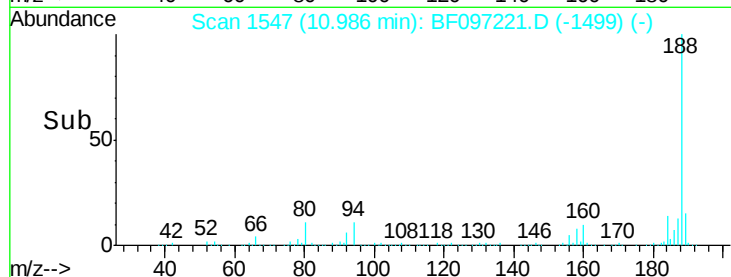
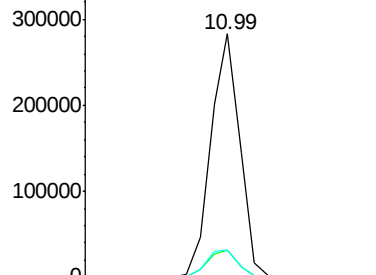
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion:188 Resp: 247455
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.2 10.2 15.2

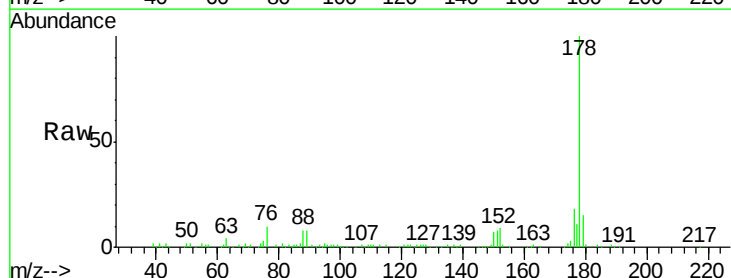


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

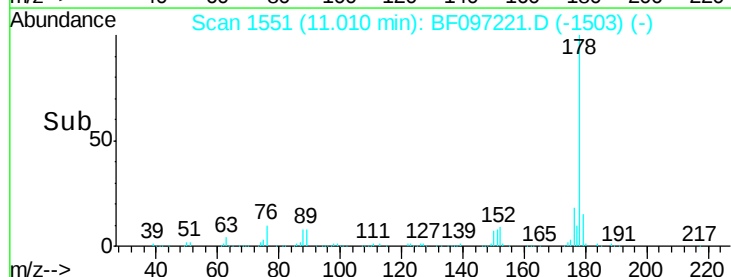
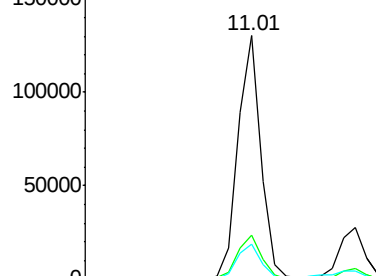


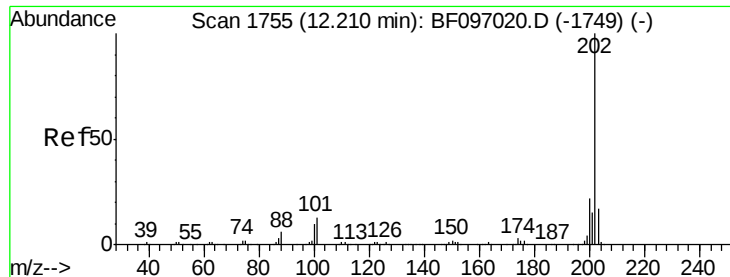
#70
Phenanthrene
Concen: 8.02 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion:178 Resp: 106343
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 14.6 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: 13.76 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

ClientSampled :

TP-7-SS-3

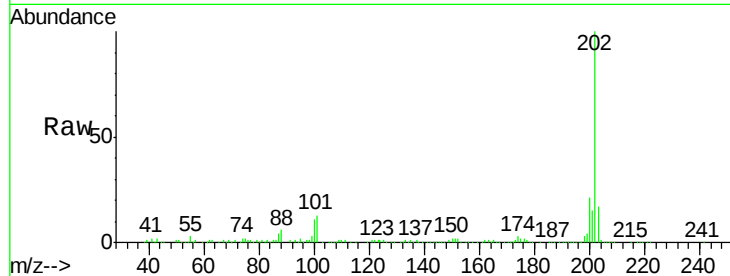
Tot Ion:202 Resp: 178728

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

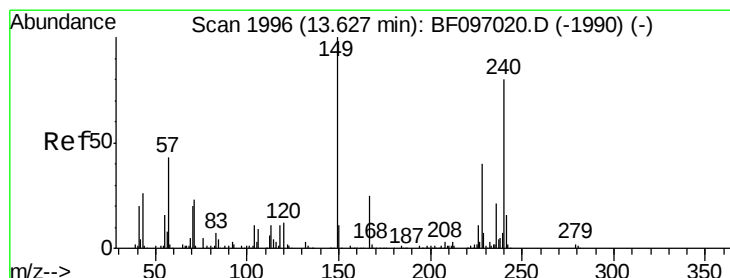
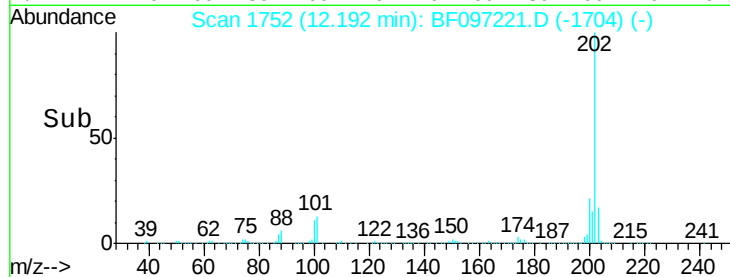
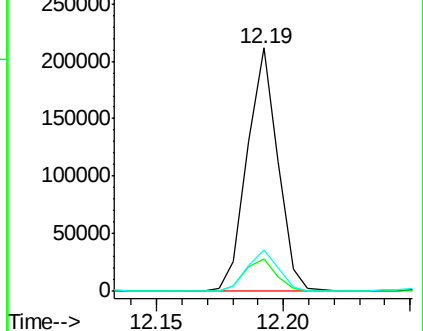
203 17.2 0.0 38.1



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: 13.62 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

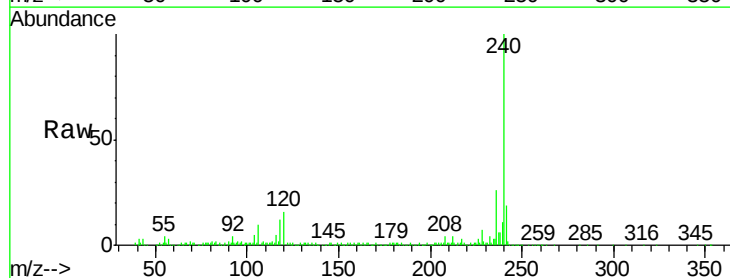
Tgt Ion:240 Resp: 214211

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

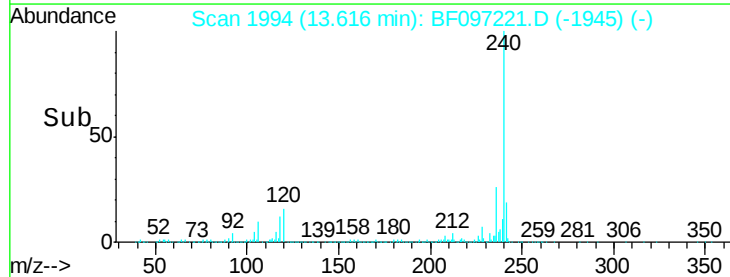
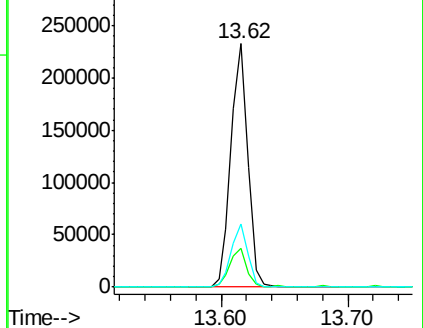
236 25.9 20.5 30.7

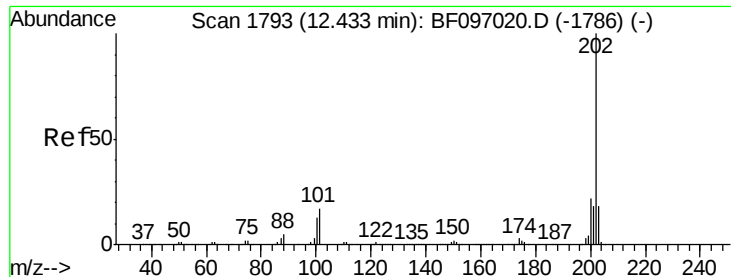


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

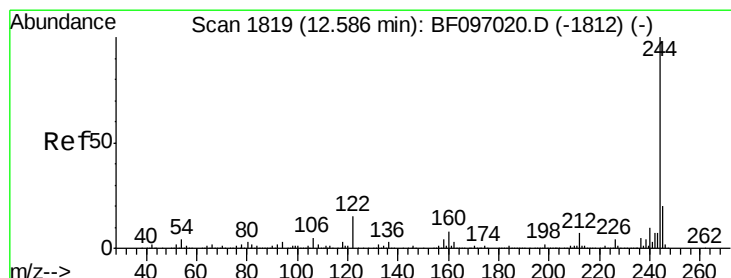
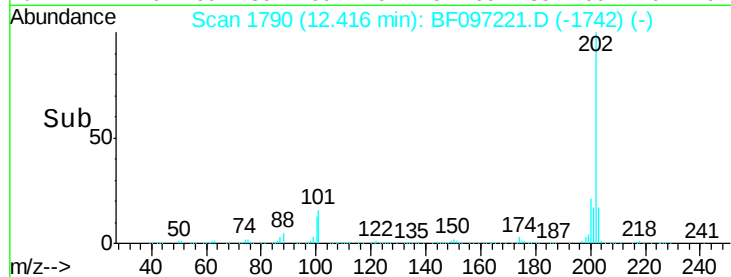
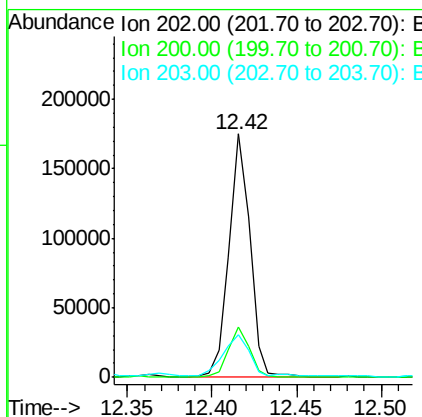
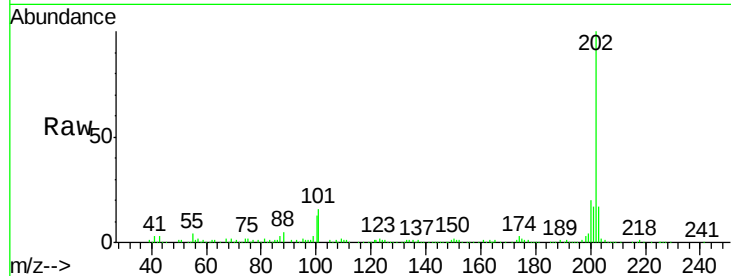




#77
Pvrene
Concen: 8.61 ng
RT: 12.42 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

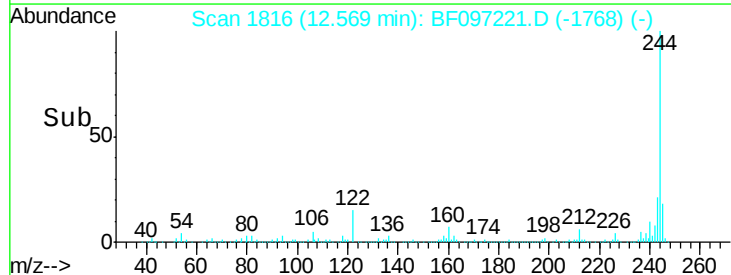
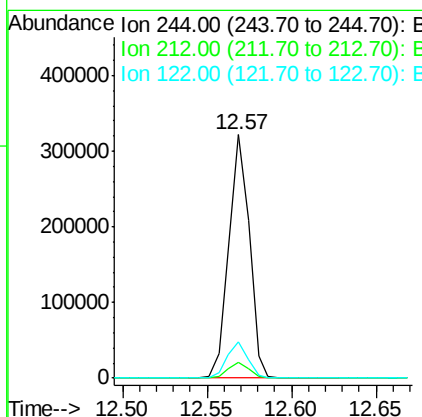
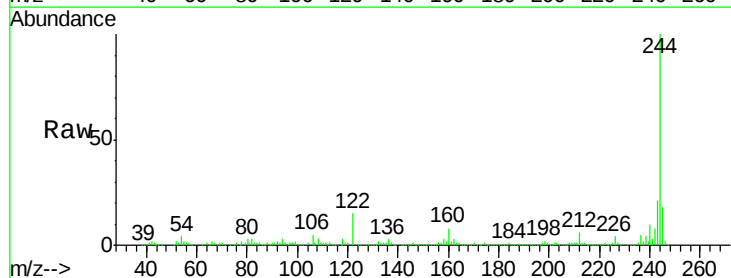
Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

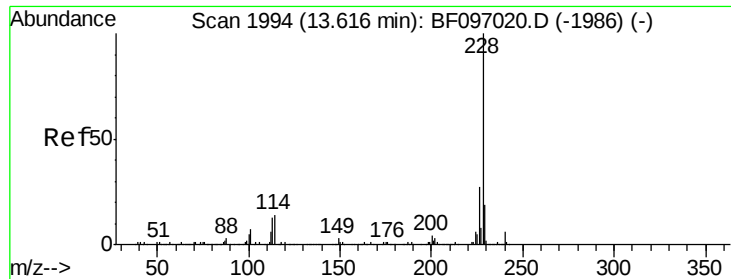
Tot Ion:202 Resp: 151035
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 17.4 14.4 21.6



#78
Terphenyl-d14
Concen: 25.85 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion:244 Resp: 271583
Ion Ratio Lower Upper
244 100
212 6.2 6.0 9.0
122 15.1 10.3 15.5

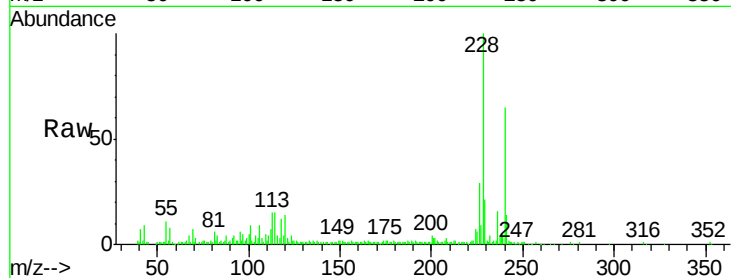




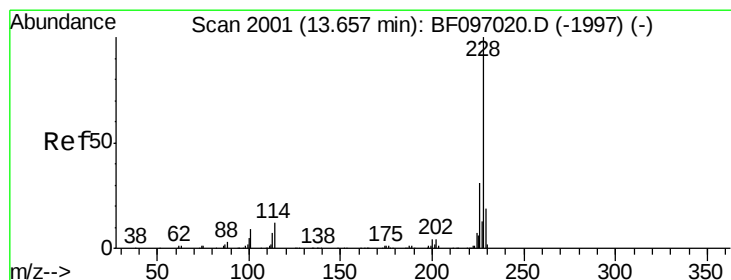
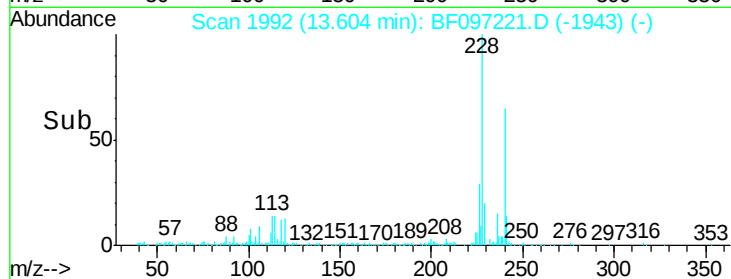
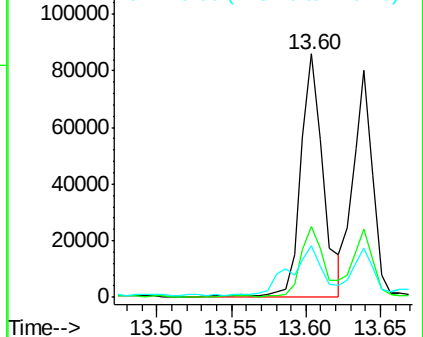
#80
Benzo(a)anthracene
Concen: 6.54 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion:228 Resp: 90620
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 21.0 16.3 24.5

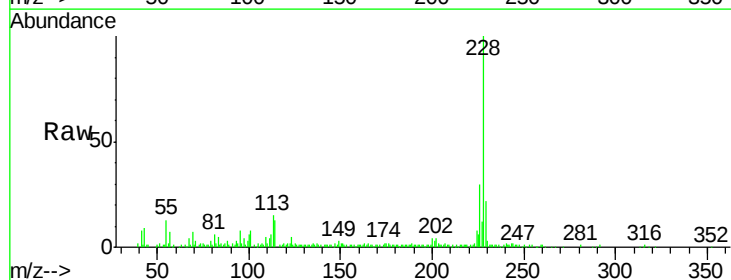


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

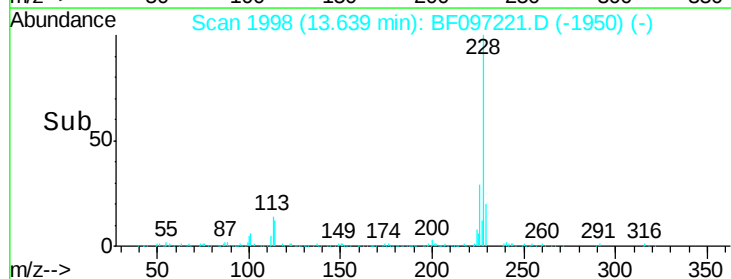
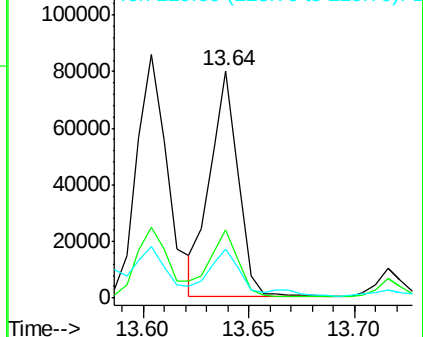


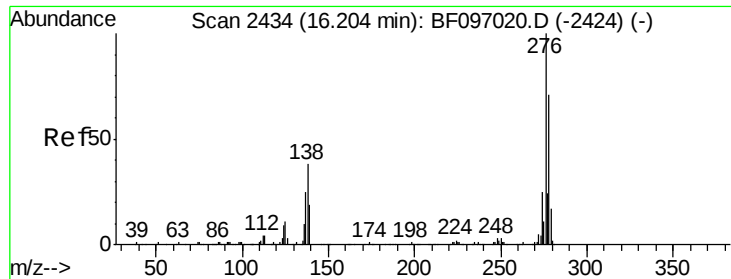
#82
Chrysene
Concen: 5.44 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion:228 Resp: 73674
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 21.9 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





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.16 ng

RT: 16.19 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

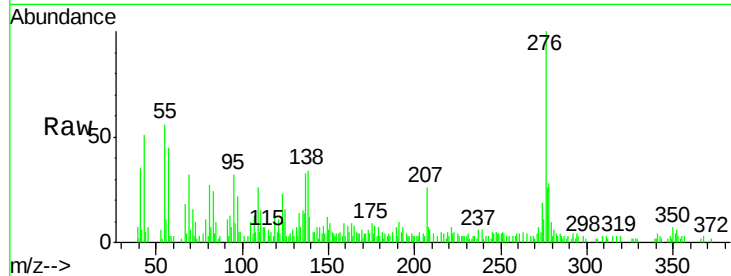
Tot Ion:276 Resp: 25110

Ion Ratio Lower Upper

276 100

138 32.5 27.8 41.6

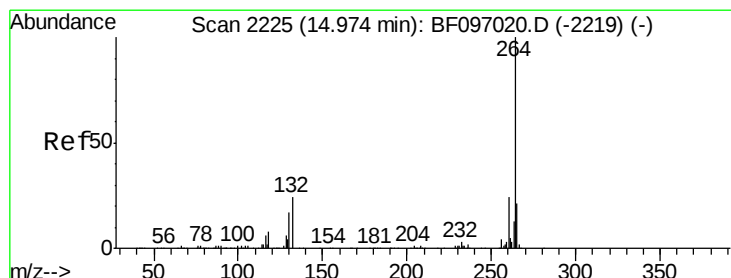
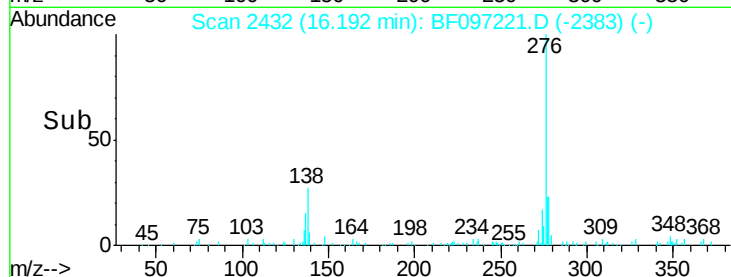
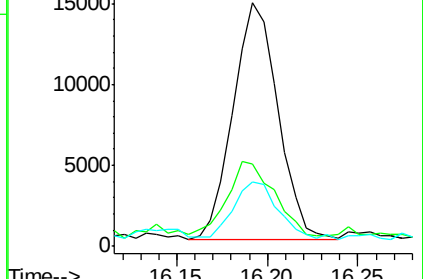
277 24.2 20.2 30.4



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: 14.97 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

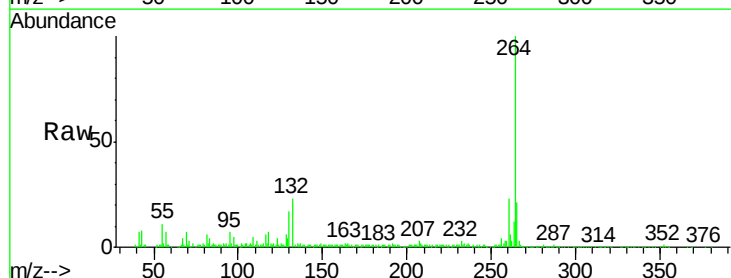
Tgt Ion:264 Resp: 143453

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

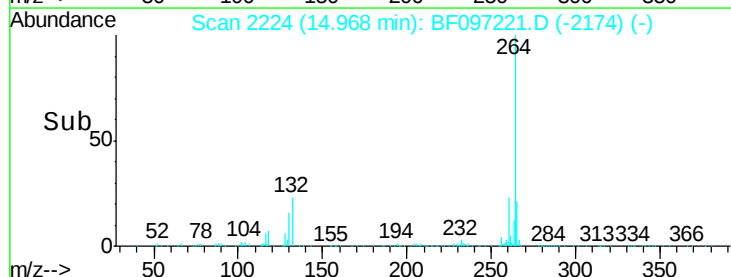
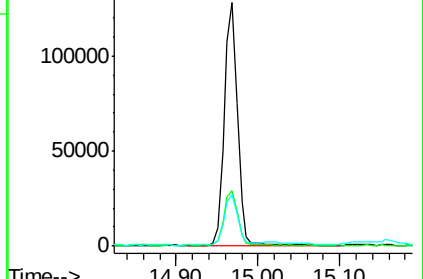
265 21.0 17.2 25.8

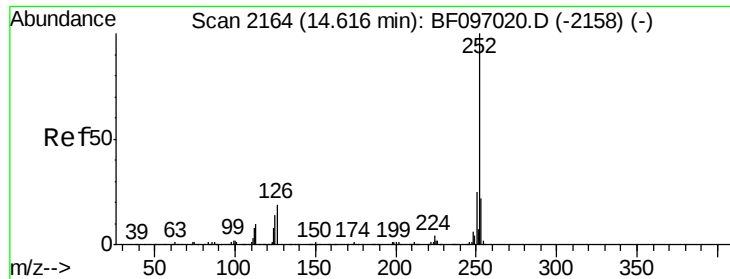


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.81 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

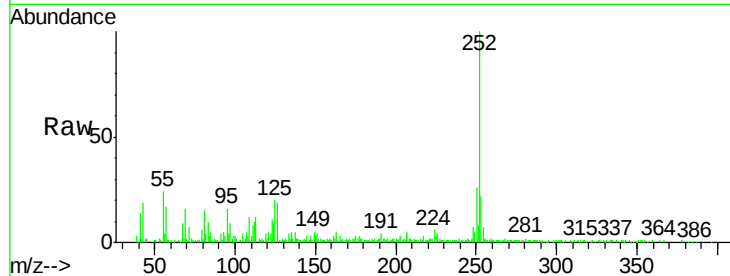
Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

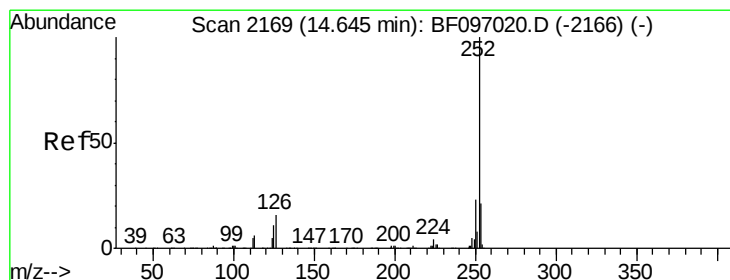
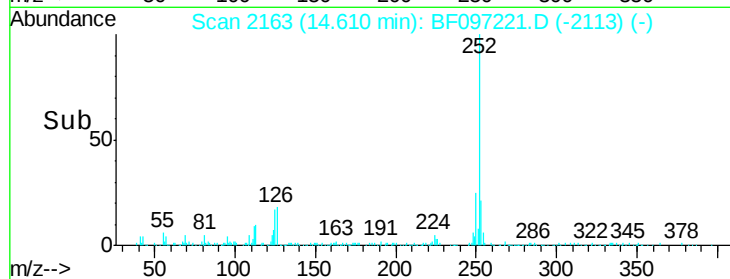
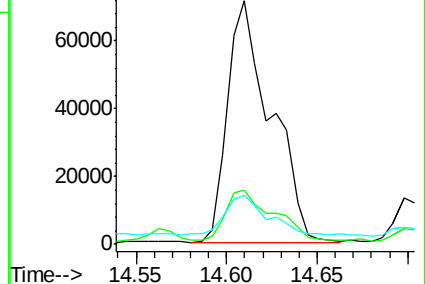
Tot Ion:252	Resp:	119053
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.1 27.1
125	19.9	9.8 14.8#



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: 14.49 ng

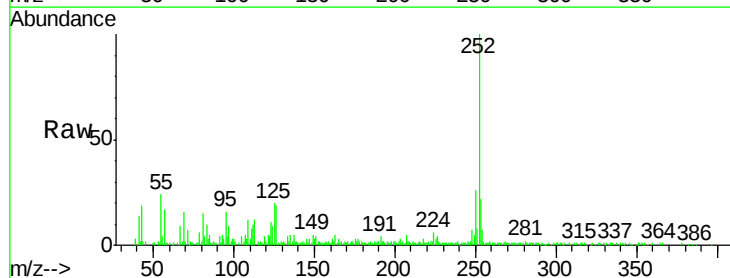
RT: 14.61 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

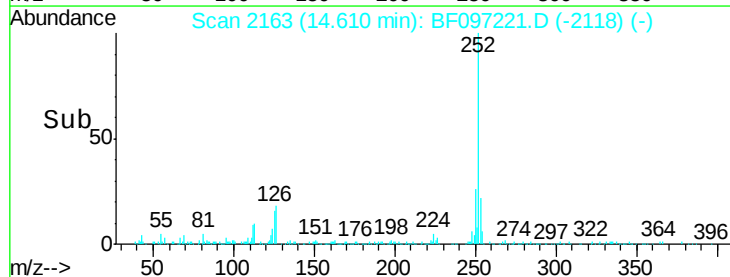
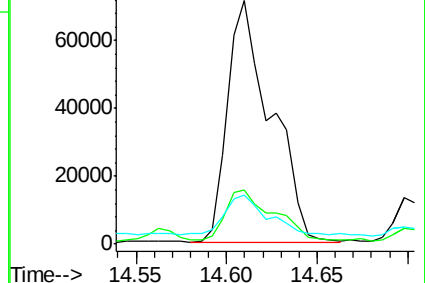
Tgt Ion:252	Resp:	119053
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.4 27.6
125	19.9	13.1 19.7#

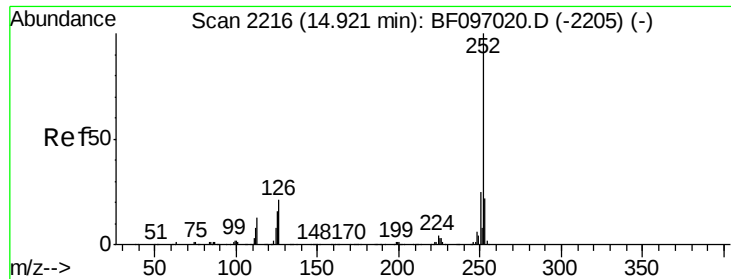


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

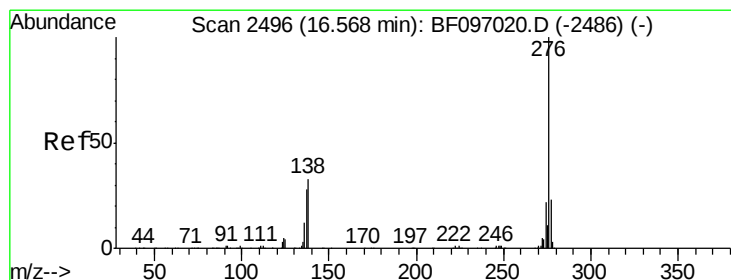
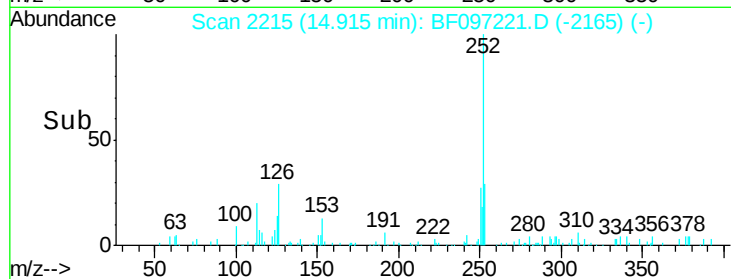
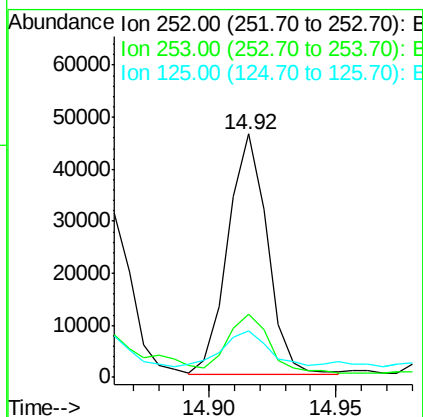
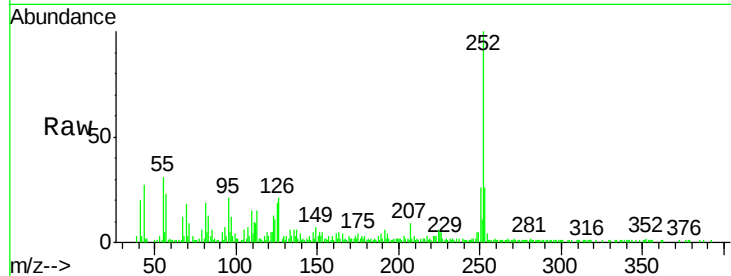




#89
Benzo(a)pyrene
Concen: 6.35 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.5	26.3
125	18.9	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 3.79 ng
RT: 16.56 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	28.0
138	36.0	25.4	38.0

