

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097217.D
 Acq On : 31 Jul 2017 19:33
 Operator : SJ/JU
 Sample : I4456-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS-7

Quant Time: Aug 01 00:57:50 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	117521	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	480504	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	173747	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	228677	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	196613	20.00	ng	-0.02
86) Perylene-d12	14.96	264	174969	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	709914	91.06	ng	0.00
7) Phenol-d6	6.16	99	945355	106.22	ng	-0.01
23) Nitrobenzene-d5	7.05	82	576261	70.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	122482	89.22	ng	-0.02
44) 2-Fluorobiphenyl	8.84	172	725590	70.87	ng	-0.03
78) Terphenyl-d14	12.57	244	421215	43.68	ng	-0.02

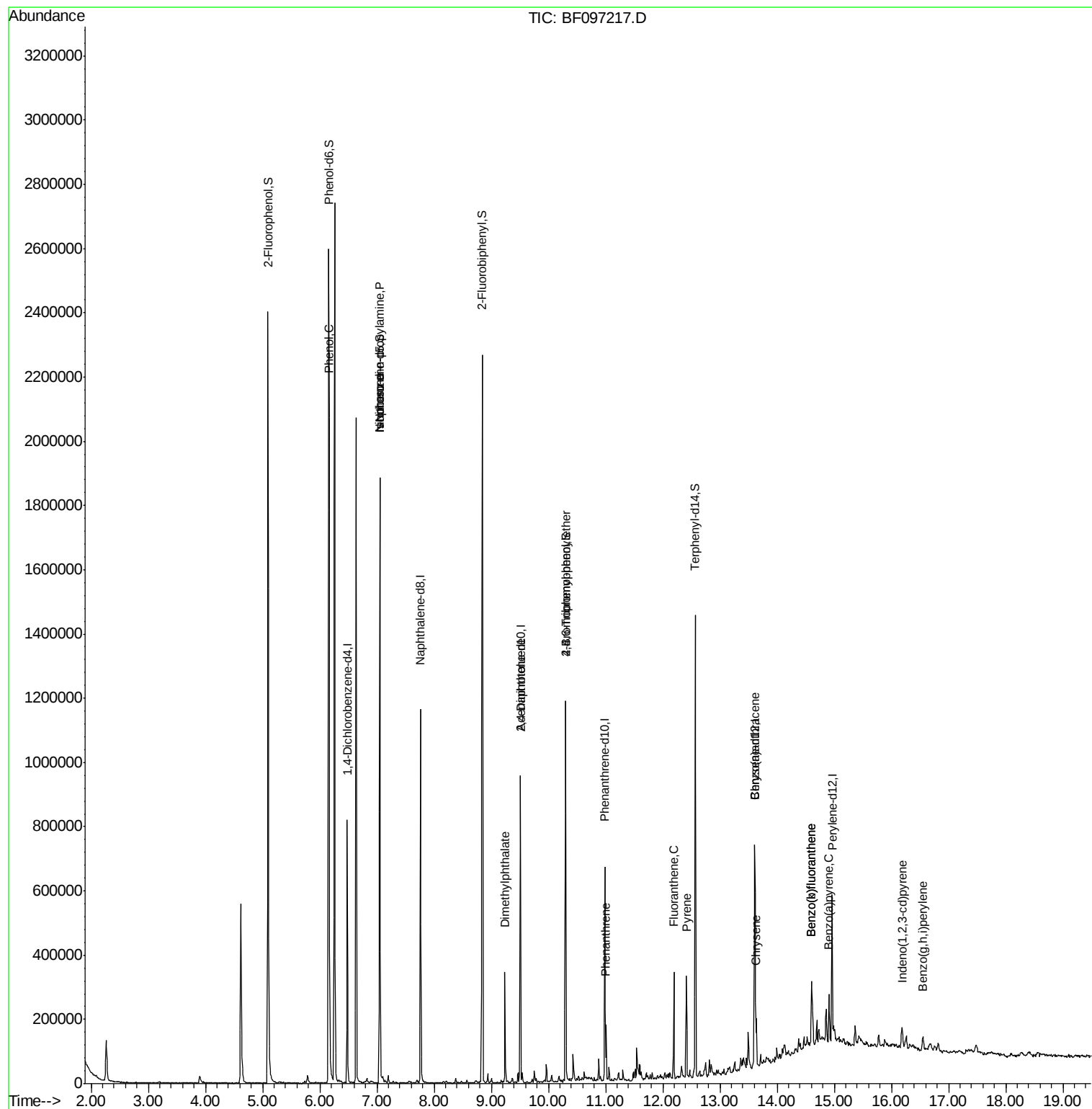
Target Compounds				Qvalue		
10) Phenol	6.17	94	22456	2.13	ng	90
19) n-Nitroso-di-n-propylamine	7.05	70	76673	13.09	ng	# 86
25) Isophorone	7.05	82	570615	35.57	ng	# 67
49) Dimethylphthalate	9.24	163	123291	9.34	ng	99
56) 2,4-Dinitrotoluene	9.51	165	22550	7.01	ng	# 33
66) 4-Bromophenyl-phenylether	10.30	248	7726	3.39	ng	# 1
70) Phenanthrene	11.01	178	69304	5.66	ng	98
74) Fluoranthene	12.19	202	129469	10.79	ng	98
77) Pyrene	12.42	202	116309	7.23	ng	98
80) Benzo(a)anthracene	13.60	228	62293	4.90	ng	95
82) Chrysene	13.63	228	64014	5.15	ng	96
85) Indeno(1,2,3-cd)pyrene	16.19	276	28288	2.66	ng	97
87) Benzo(b)fluoranthene	14.60	252	115293	10.96	ng	# 95
88) Benzo(k)fluoranthene	14.60	252	115293	11.50	ng	99
89) Benzo(a)pyrene	14.91	252	58171	6.04	ng	# 97
91) Benzo(g,h,i)perylene	16.55	276	26175	3.16	ng	95

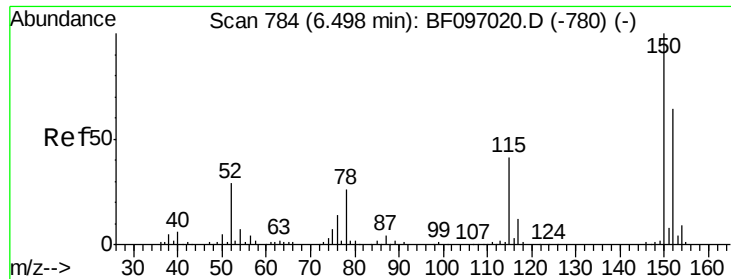
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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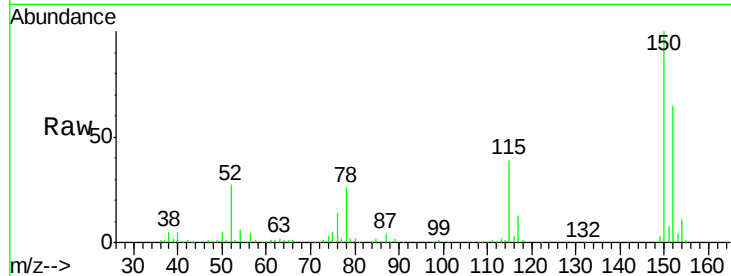


#1

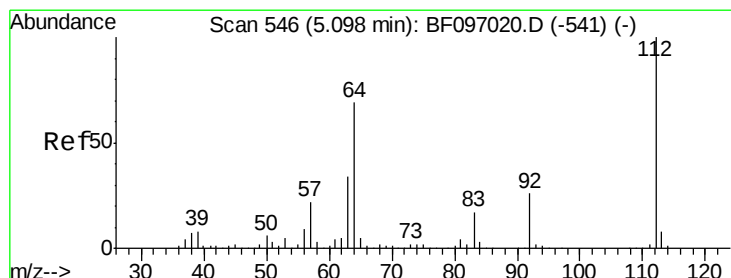
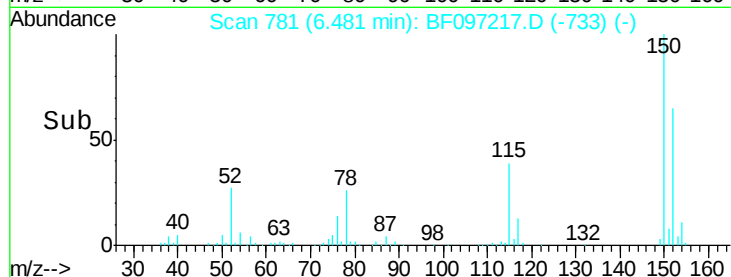
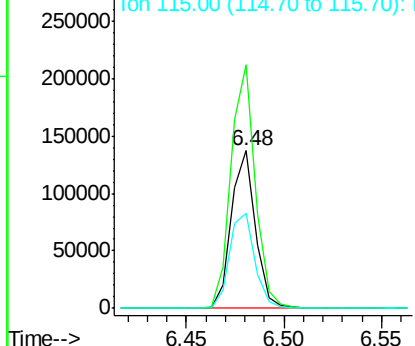
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion:152 Resp: 117521
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.2
115 60.2 52.2 78.2



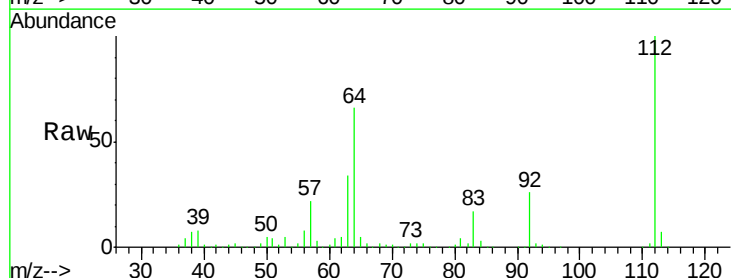
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



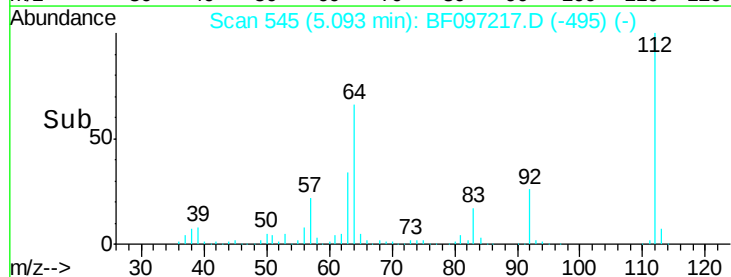
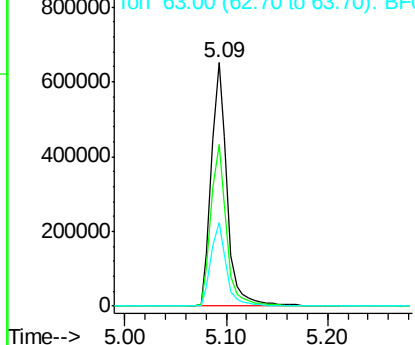
#5

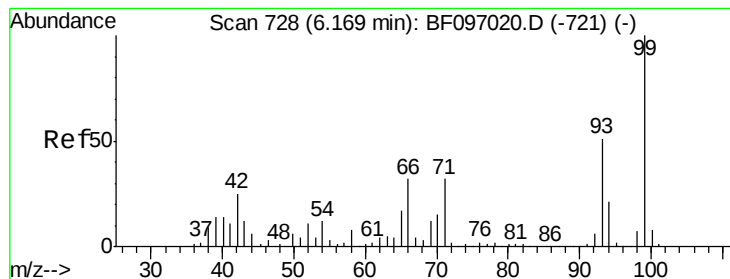
2-Fluorophenol
Concen: 91.06 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion:112 Resp: 709914
Ion Ratio Lower Upper
112 100
64 66.4 46.0 69.0
63 34.2 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: 106.22 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

ClientSampleId :

TP-16-SS-7

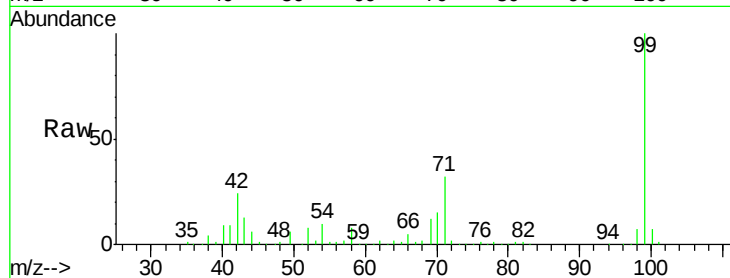
Tot Ion: 99 Resp: 945355

Ion Ratio Lower Upper

99 100

42 24.3 13.5 20.3#

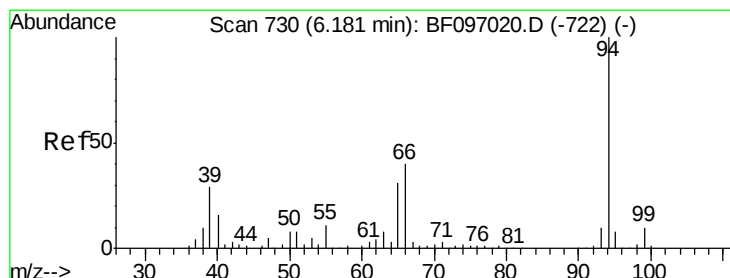
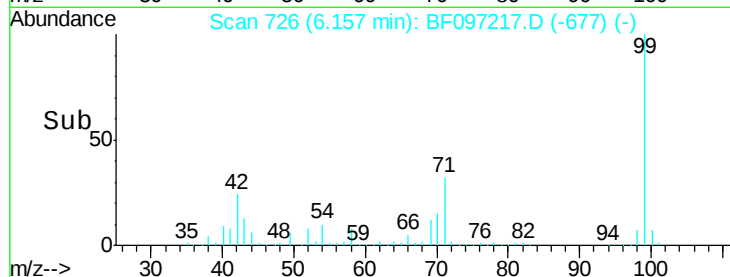
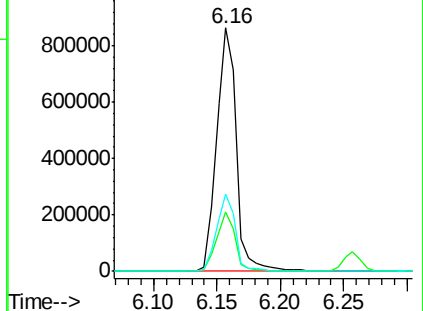
71 31.8 24.5 36.7



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: 2.13 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

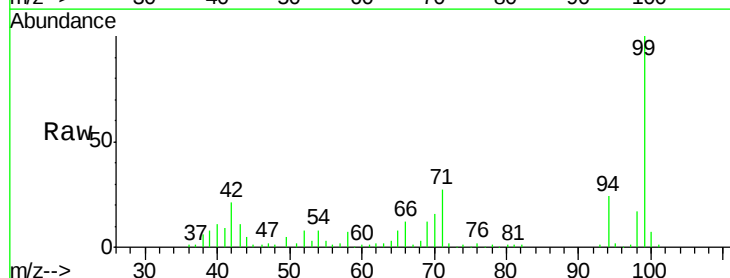
Tgt Ion: 94 Resp: 22456

Ion Ratio Lower Upper

94 100

65 34.3 9.9 49.9

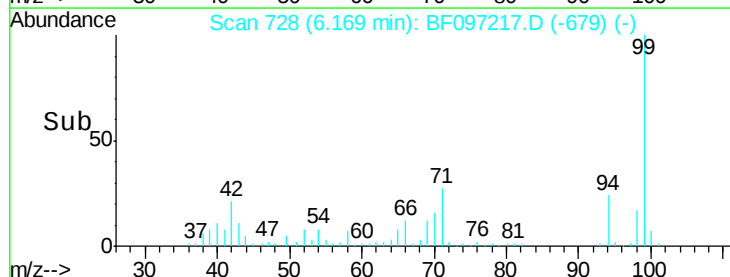
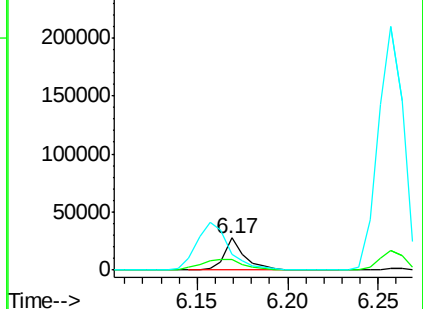
66 50.0 23.1 63.1

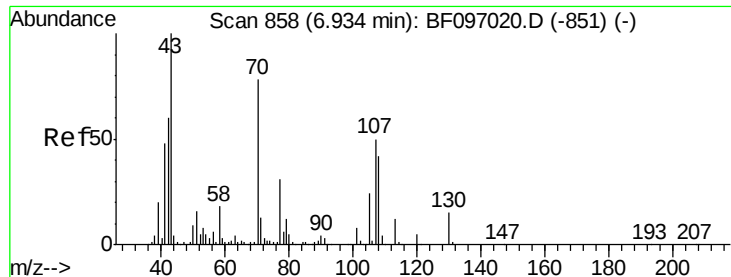


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

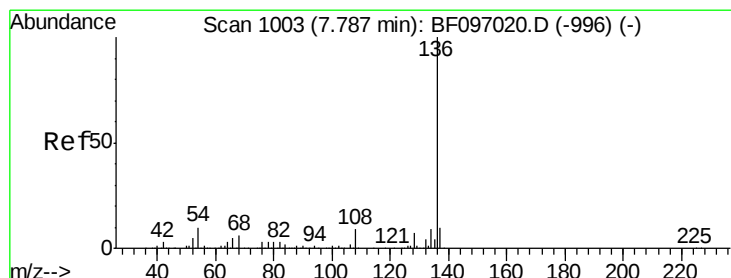
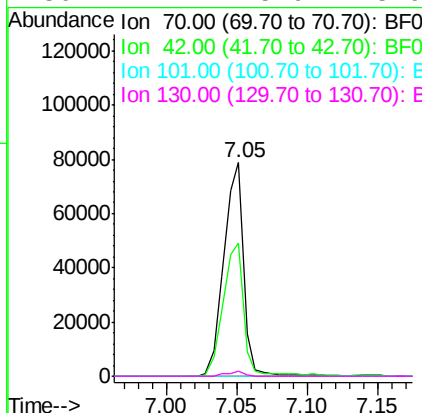
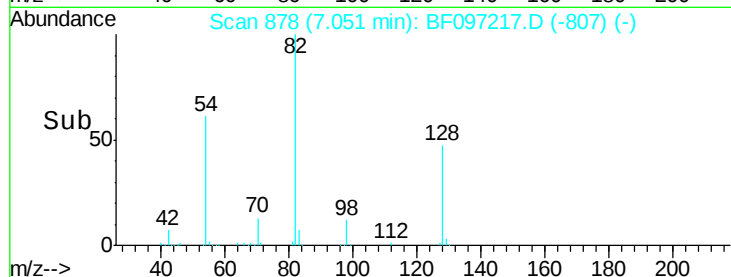
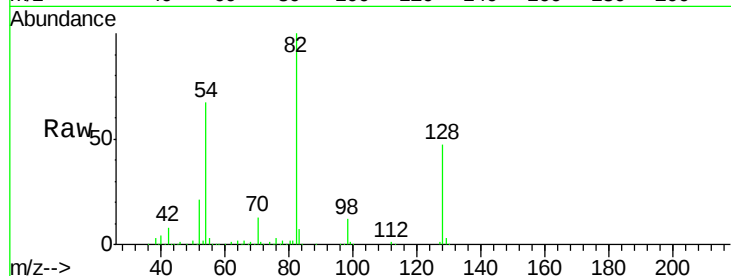




#19
n-Nitroso-di-n-propylamine
Concen: 13.09 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

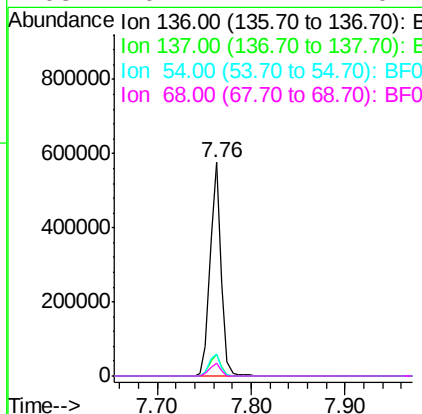
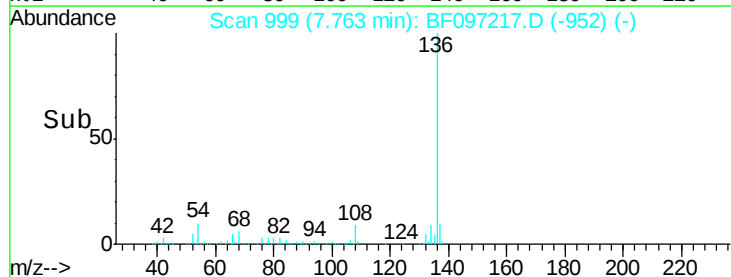
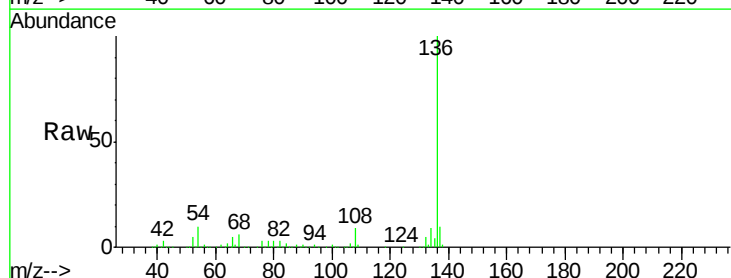
Instrument :
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TP-16-SS-7

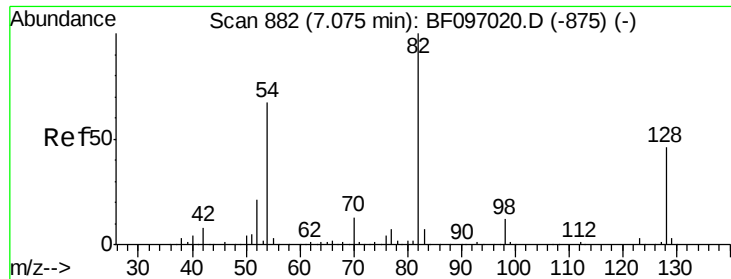
Tot Ion: 70 Resp: 76673
Ion Ratio Lower Upper
70 100
42 62.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion:136 Resp: 480504
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 10.3 4.9 7.3#
68 6.2 4.1 6.1#

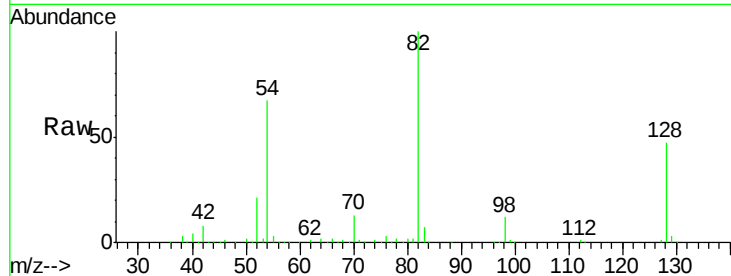




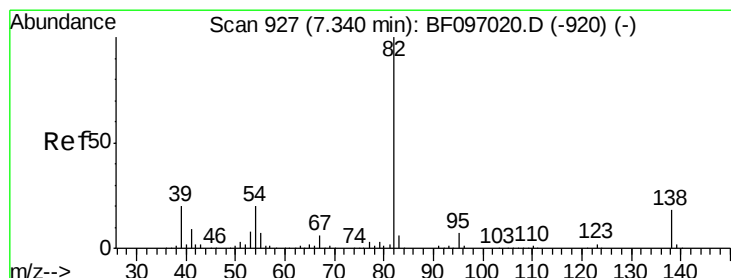
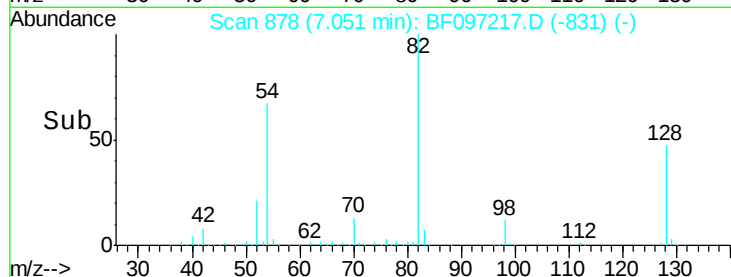
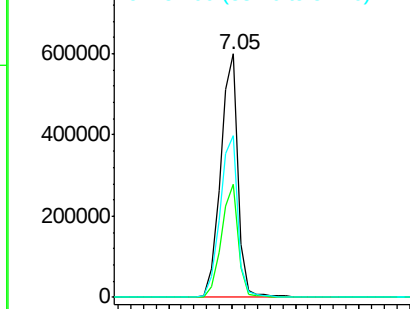
#23
Nitrobenzene-d5
Concen: 70.35 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion: 82 Resp: 576261
Ion Ratio Lower Upper
82 100
128 46.7 34.0 51.0
54 66.6 42.2 63.2#

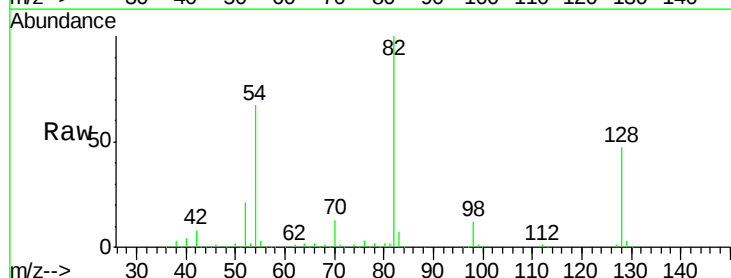


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

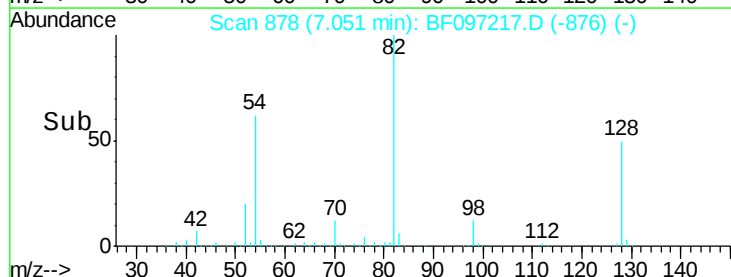
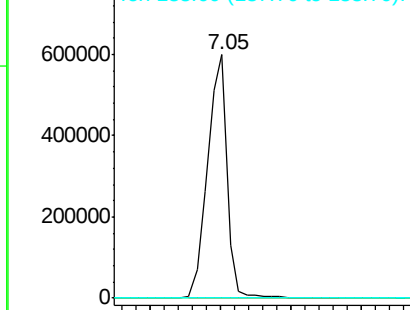


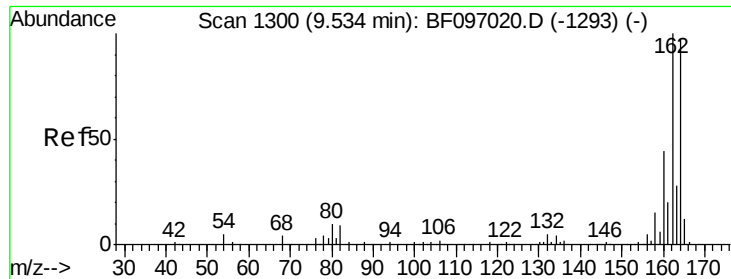
#25
Isophorone
Concen: 35.57 ng
RT: 7.05 min Scan# 878
Delta R.T. -0.29 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion: 82 Resp: 570615
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

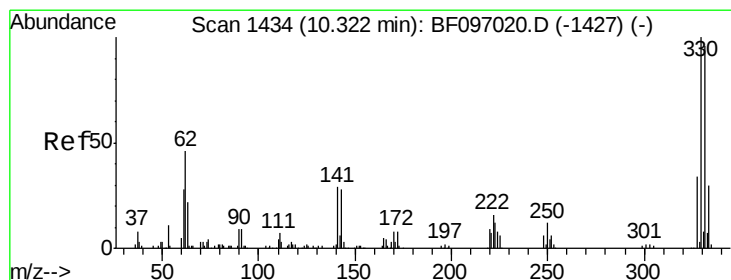
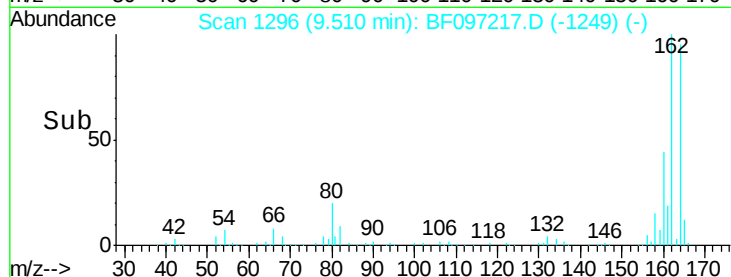
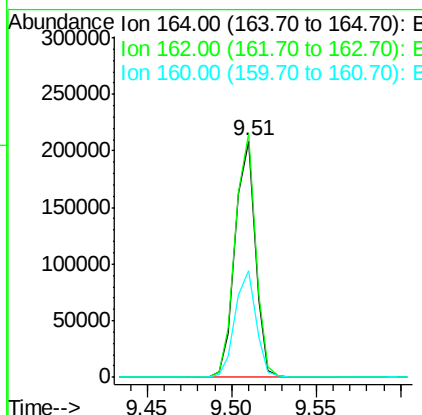
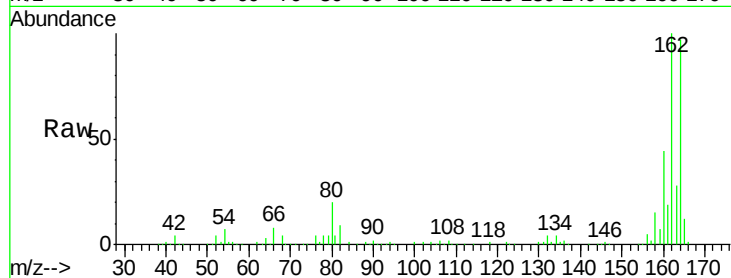




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

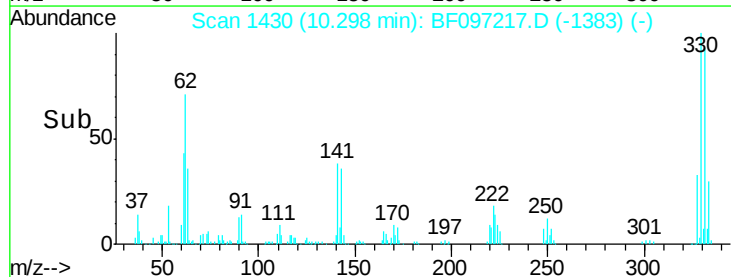
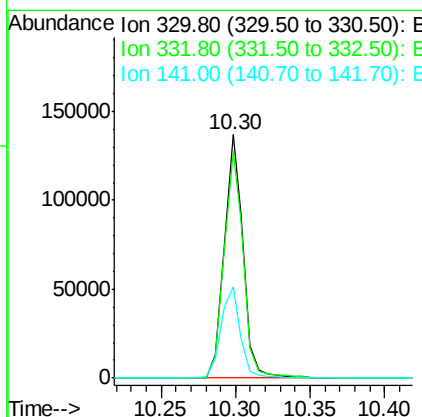
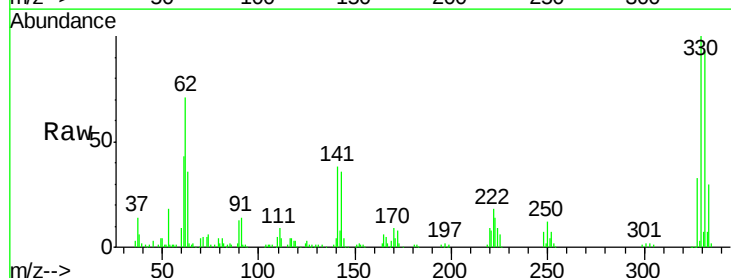
Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS-7

Tot Ion:164 Resp: 173747
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 45.2 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 89.22 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Tgt Ion:330 Resp: 122482
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 38.8 31.4 47.2

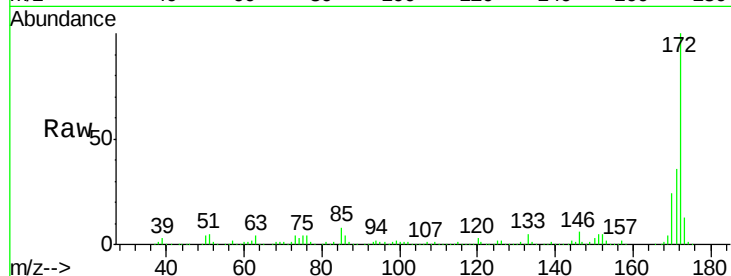




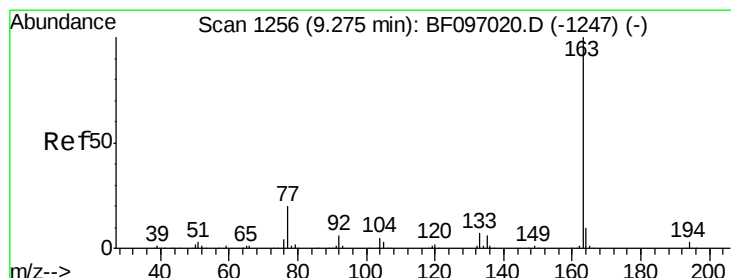
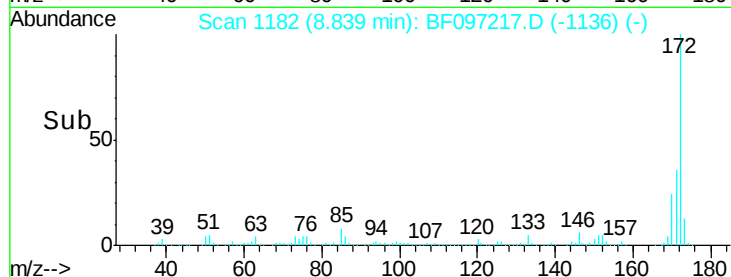
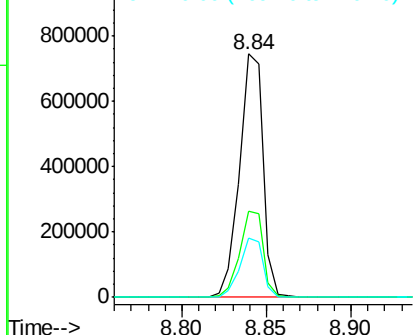
#44
2-Fluorobiphenyl
Concen: 70.87 ng
RT: 8.84 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion:172 Resp: 725590
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 24.2 19.8 29.8

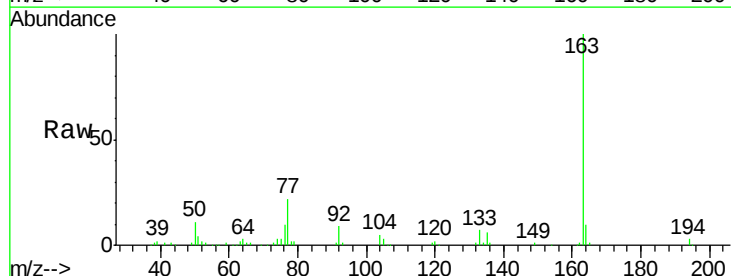


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

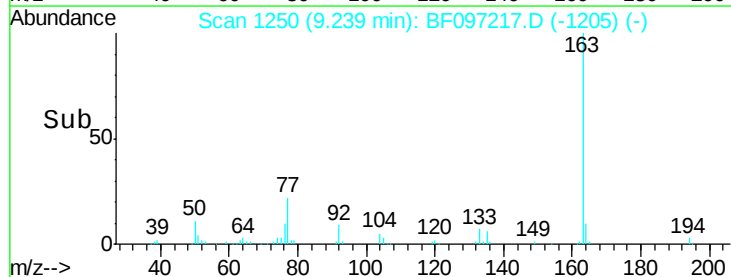
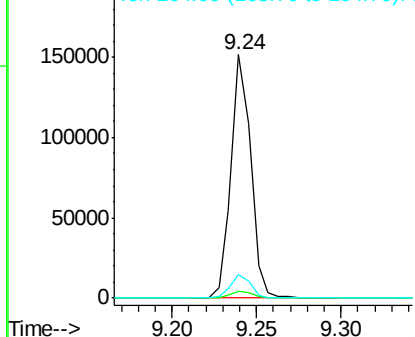


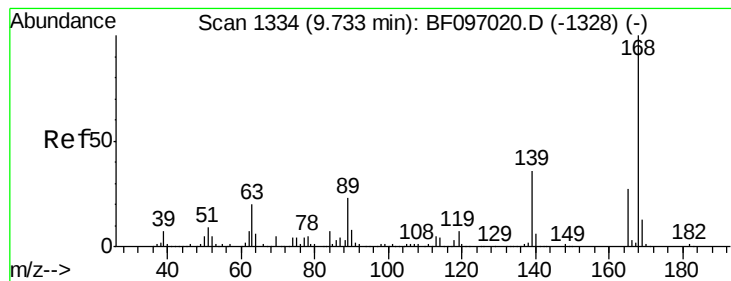
#49
Dimethylphthalate
Concen: 9.34 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion:163 Resp: 123291
Ion Ratio Lower Upper
163 100
194 3.0 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: 7.01 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

ClientSampleId :

TP-16-SS-7

Tot Ion:165 Resp: 22550

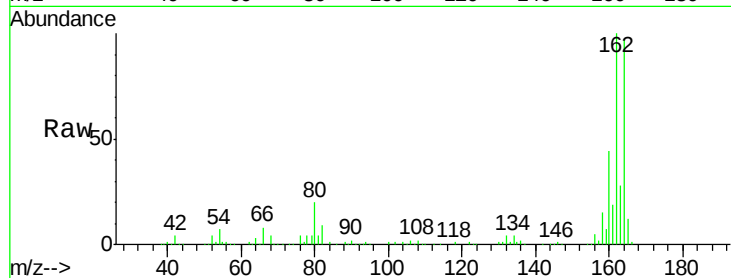
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

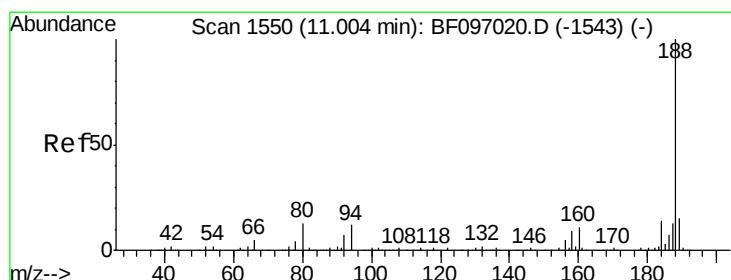
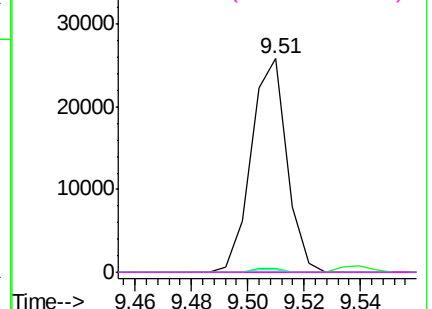
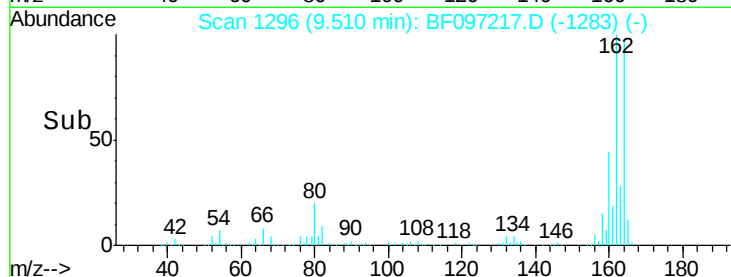


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF097217.D

Acq: 31 Jul 2017 19:33

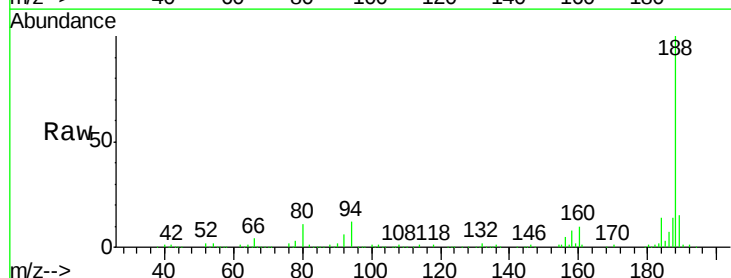
Tgt Ion:188 Resp: 228677

Ion Ratio Lower Upper

188 100

94 11.9 9.4 14.2

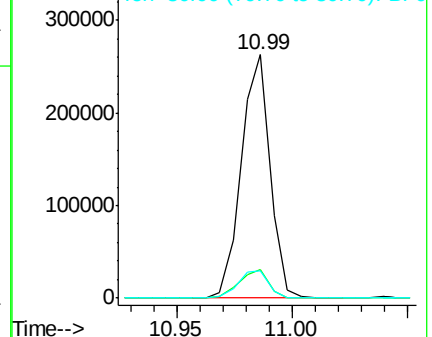
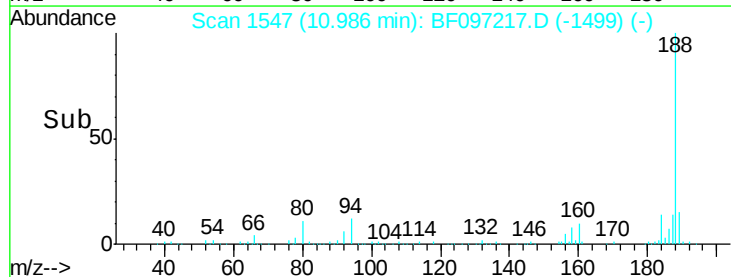
80 11.0 10.2 15.2



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

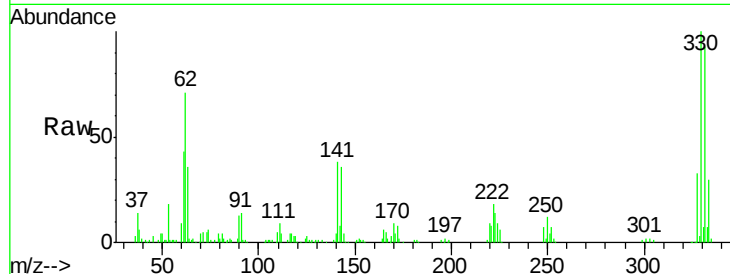




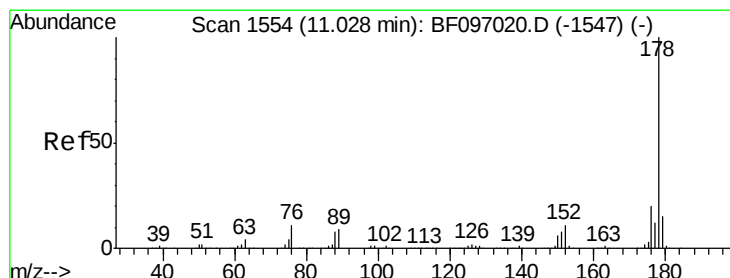
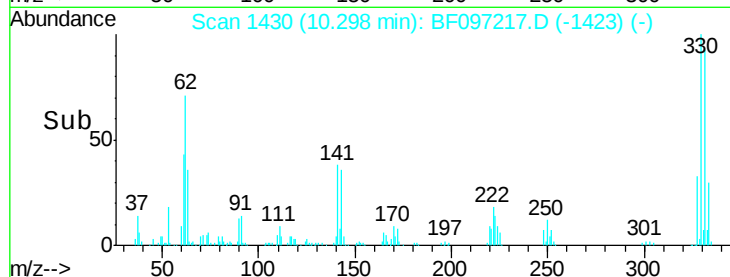
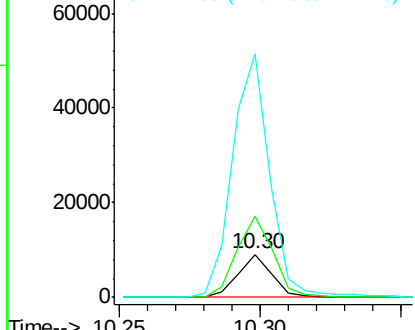
#66
 4-Bromophenyl-phenylether
 Concen: 3.39 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS-7

Tot Ion:248 Resp: 7726
 Ion Ratio Lower Upper
 248 100
 250 187.8 76.8 115.2#
 141 567.2 68.6 103.0#

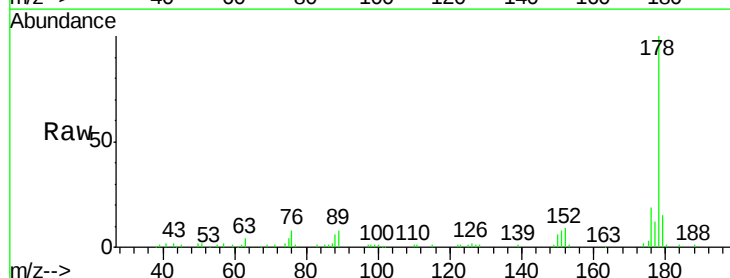


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

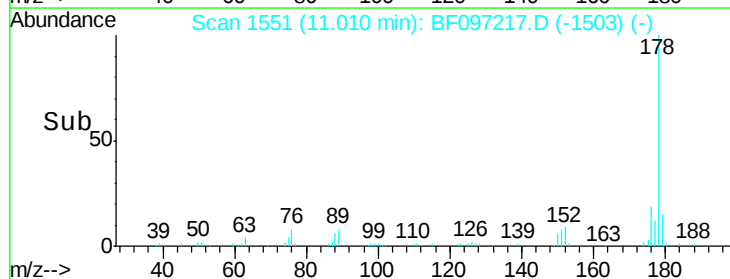
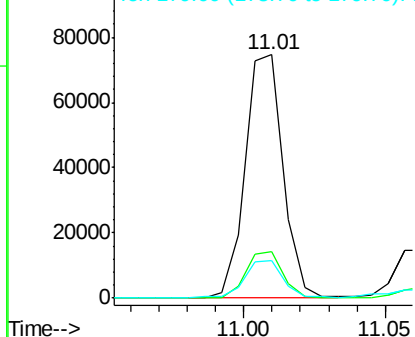


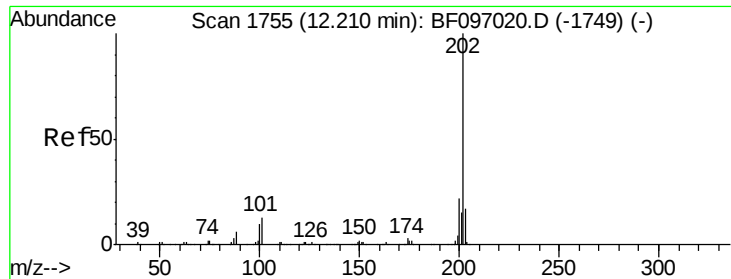
#70
 Phenanthrene
 Concen: 5.66 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Tgt Ion:178 Resp: 69304
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 15.2 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: 10.79 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

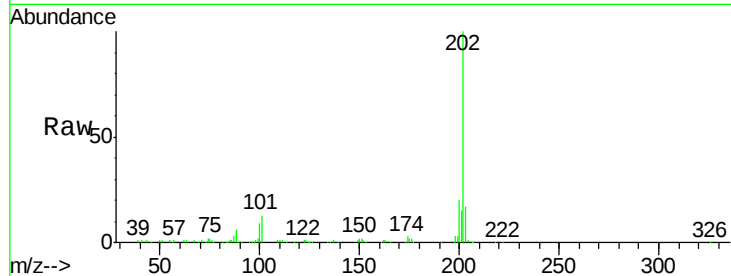
Instrument :

BNA_F

ClientSampleId :

TP-16-SS-7

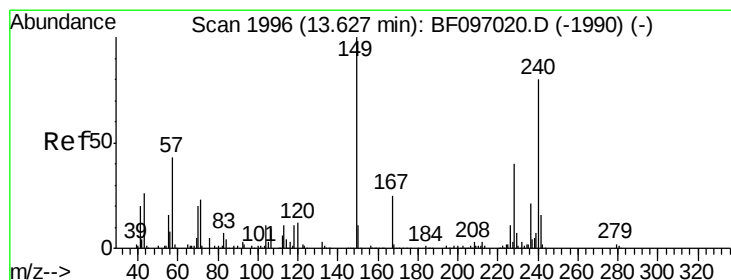
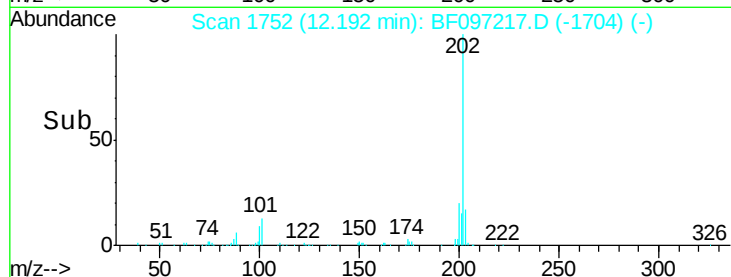
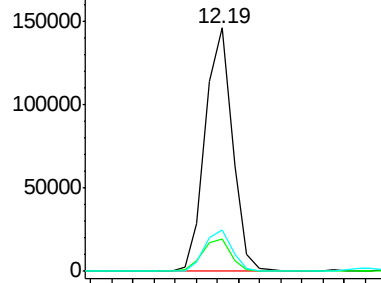
Tot Ion:	202	Resp:	129469
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.9	0.0	38.1



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

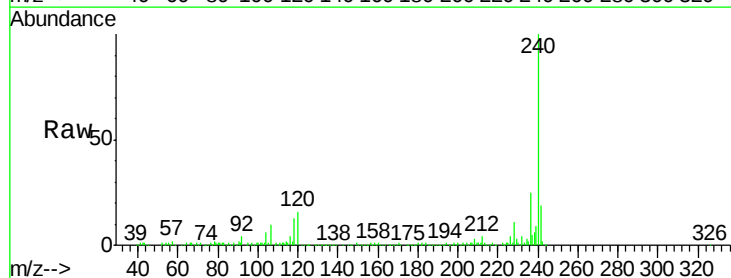
RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

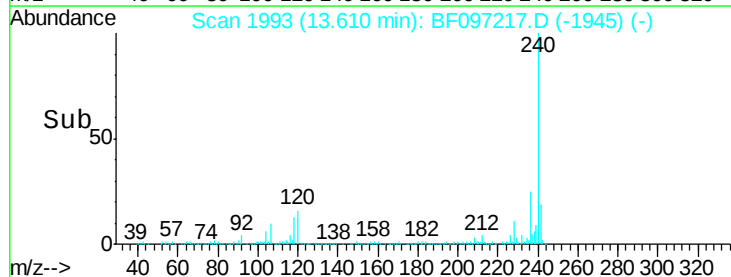
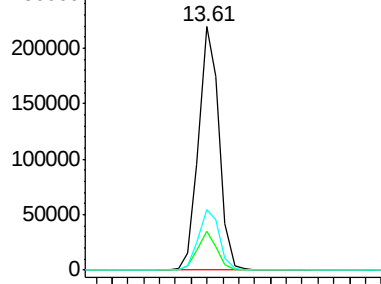
Tgt Ion:	240	Resp:	196613
Ion	Ratio	Lower	Upper
240	100		
120	15.8	5.8	8.8#
236	24.8	20.5	30.7

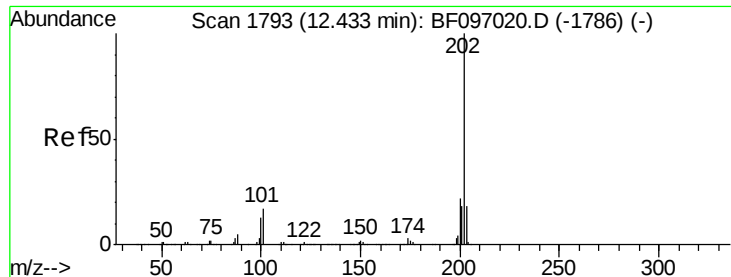


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

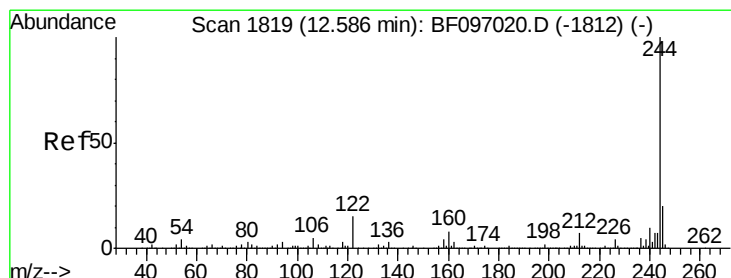
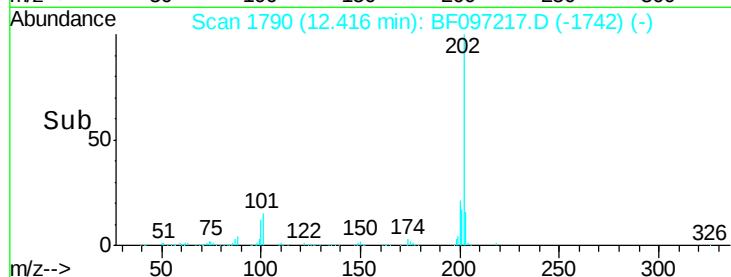
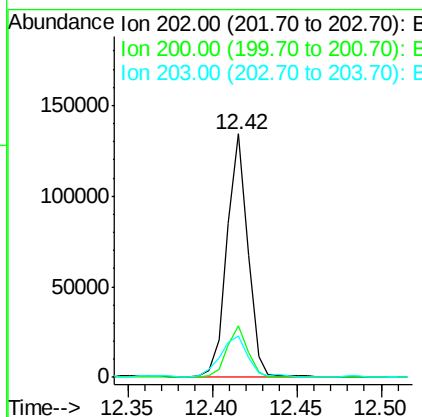
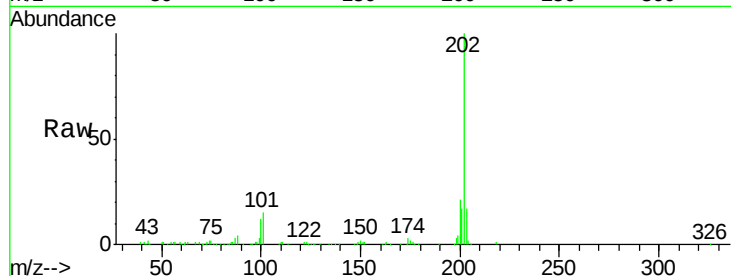




#77
Pvrene
Concen: 7.23 ng
RT: 12.42 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

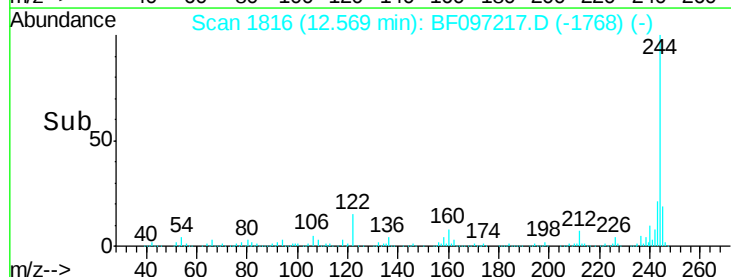
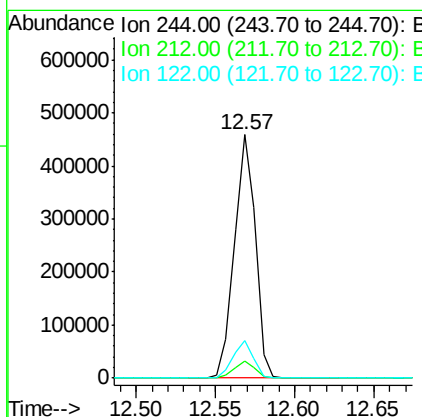
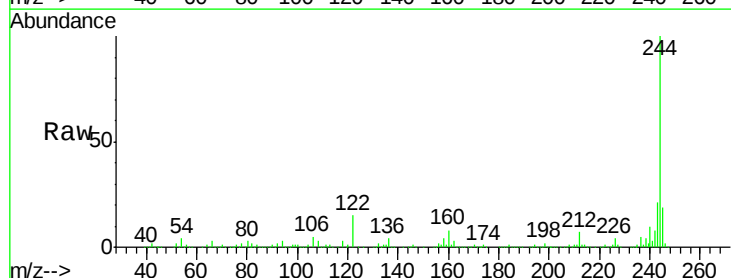
Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

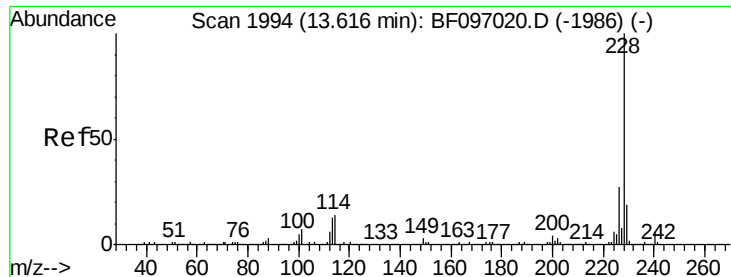
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	16.8	14.4	21.6



#78
Terphenyl-d14
Concen: 43.68 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.4	10.3	15.5

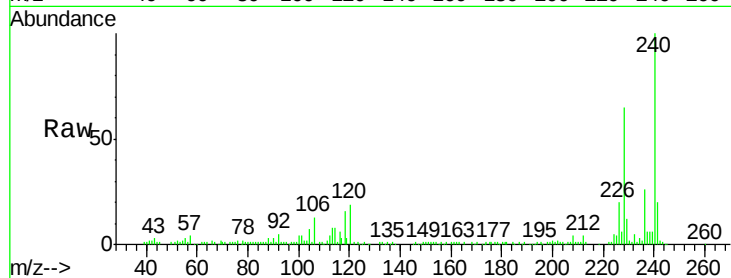




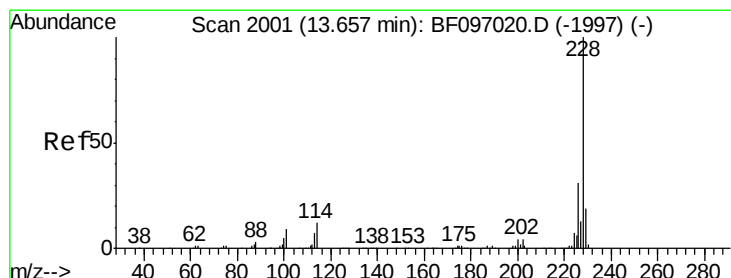
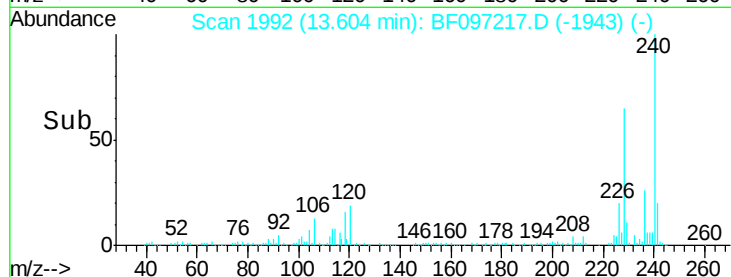
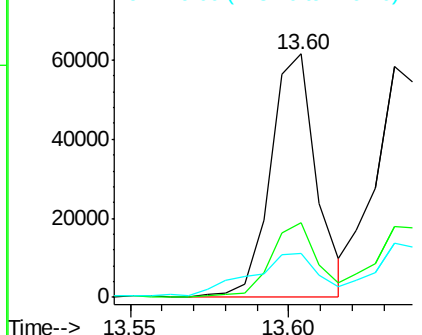
#80
Benzo(a)anthracene
Concen: 4.90 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion:228 Resp: 62293
Ion Ratio Lower Upper
228 100
226 30.7 22.6 33.8
229 17.8 16.3 24.5

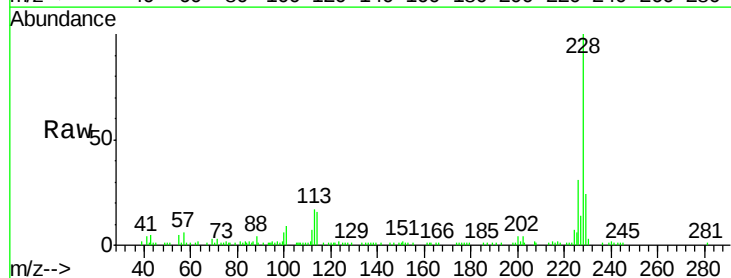


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

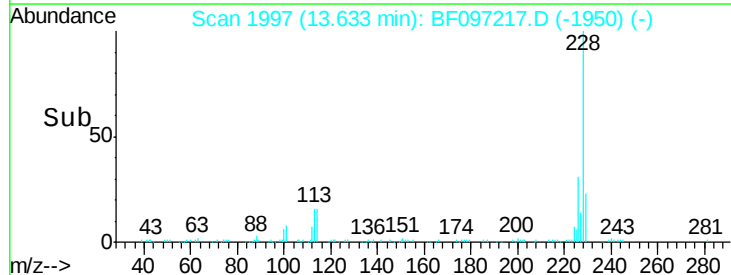
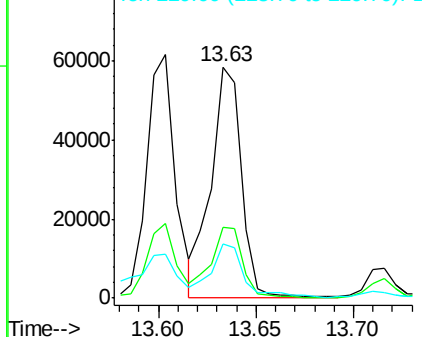


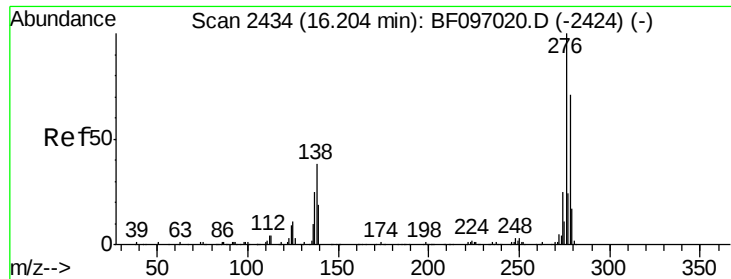
#82
Chrysene
Concen: 5.15 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion:228 Resp: 64014
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 23.6 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

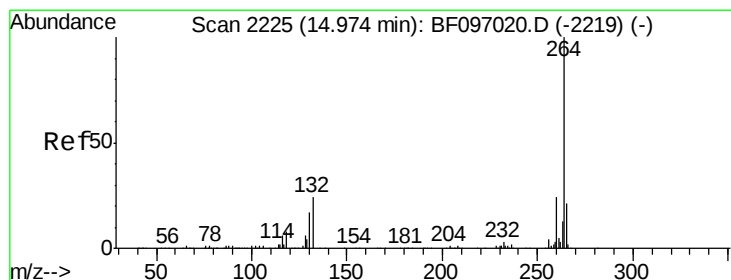
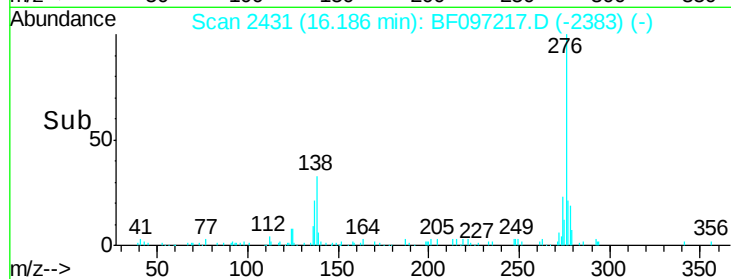
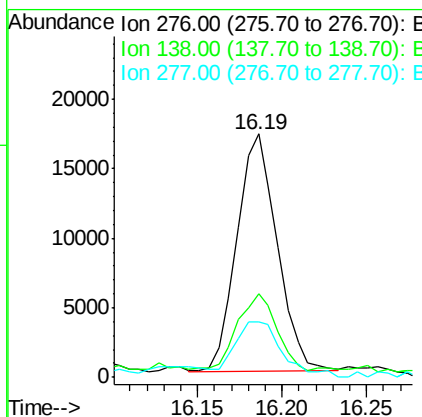
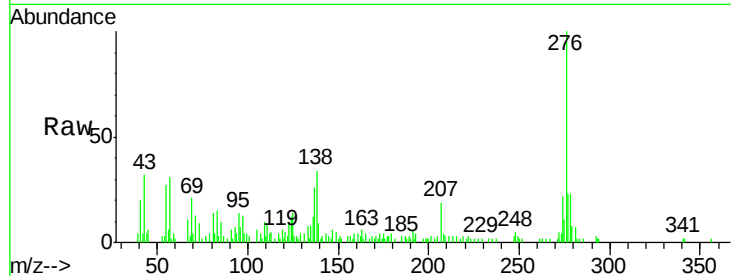




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.66 ng
 RT: 16.19 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

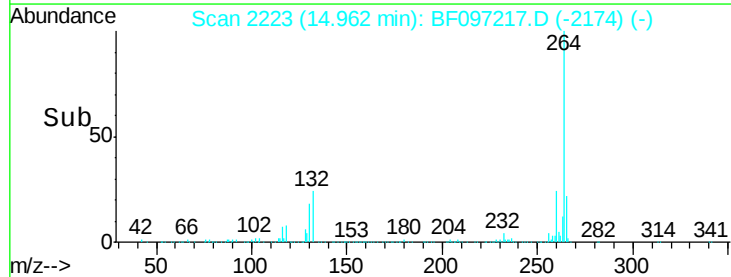
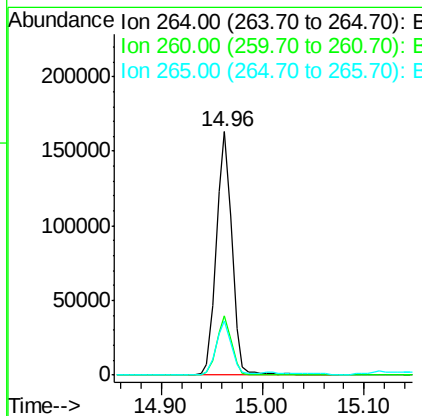
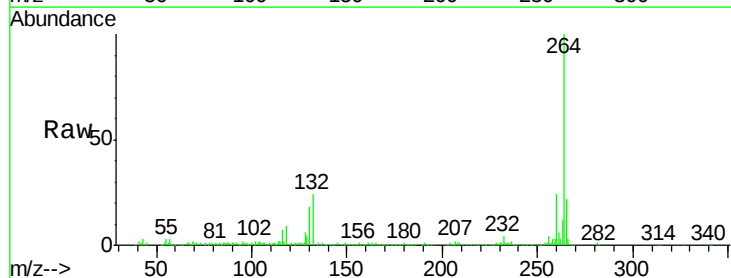
Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS-7

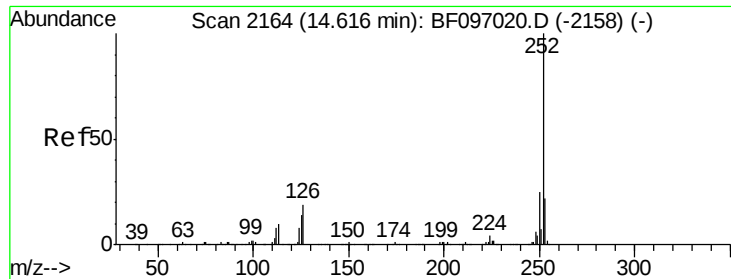
Tot Ion:276 Resp: 28288
 Ion Ratio Lower Upper
 276 100
 138 33.8 27.8 41.6
 277 27.8 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Tgt Ion:264 Resp: 174969
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 10.96 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

ClientSampleId :

TP-16-SS-7

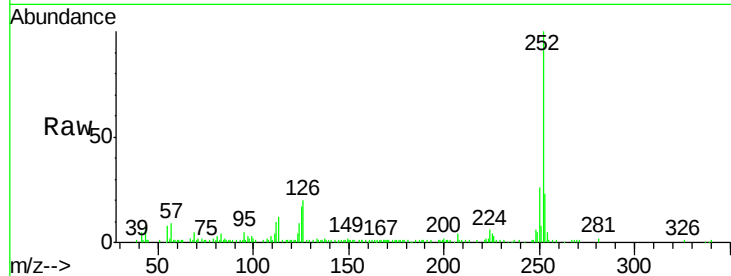
Tot Ion:252 Resp: 115293

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

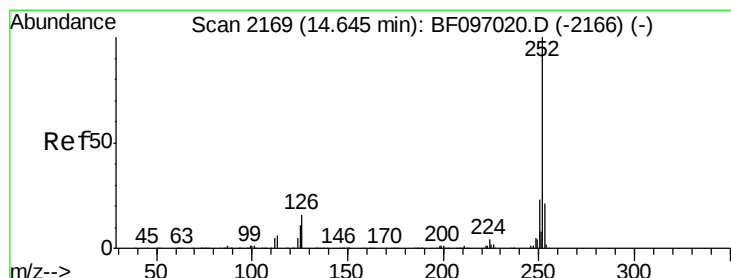
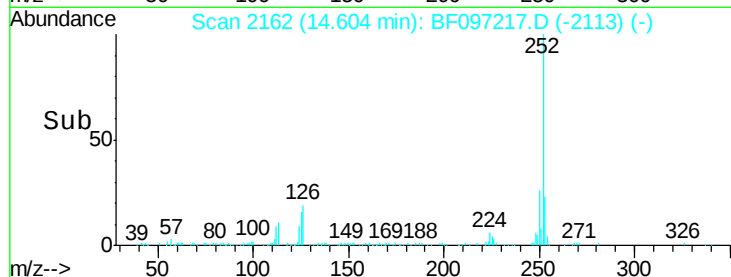
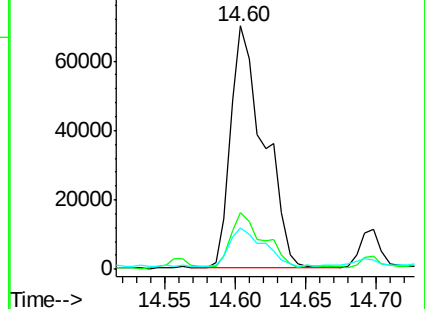
125 17.0 9.8 14.8#



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: 11.50 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

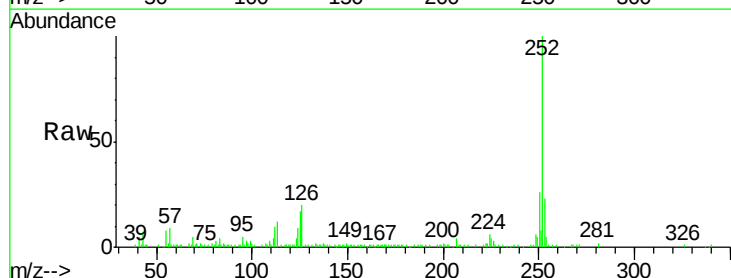
Tgt Ion:252 Resp: 115293

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

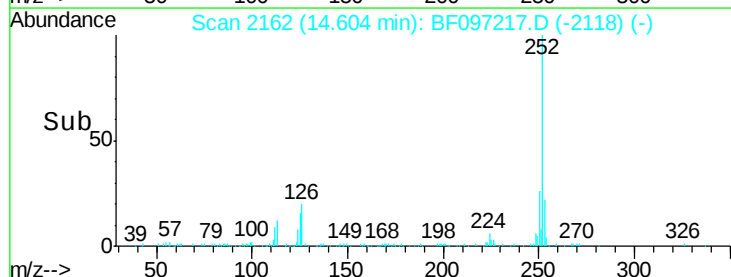
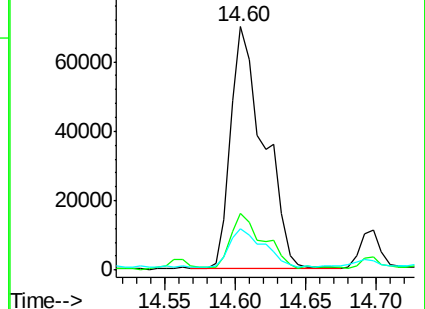
125 17.0 13.1 19.7

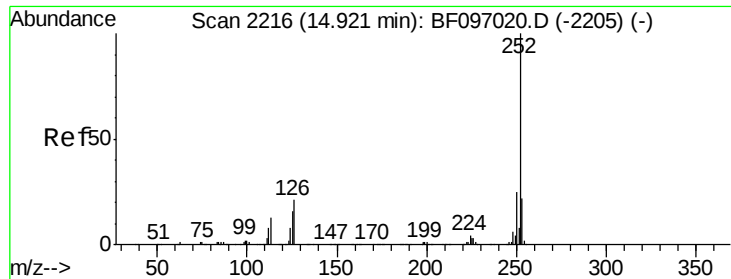


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

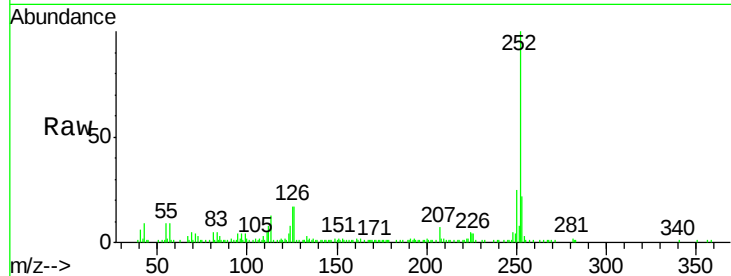




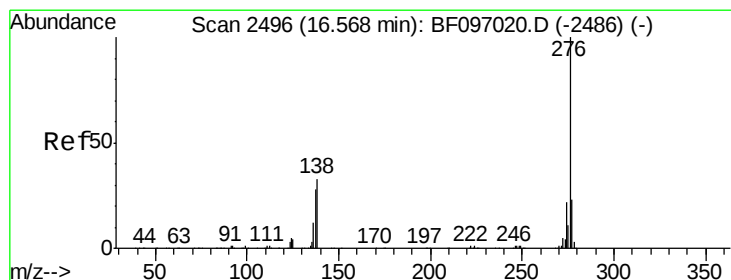
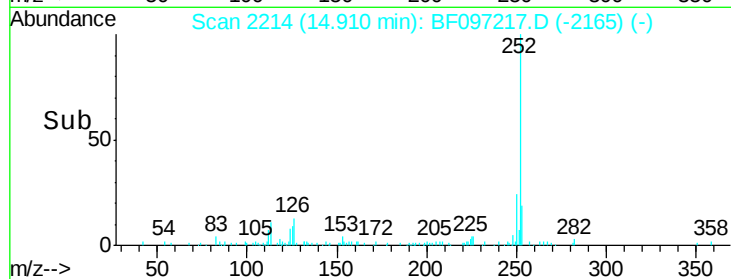
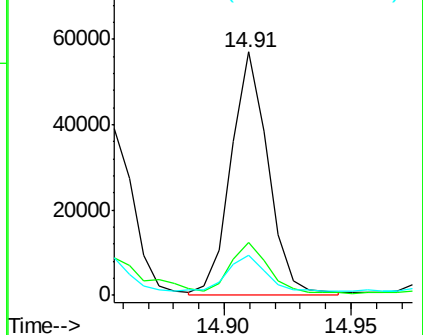
#89
Benzo(a)pyrene
Concen: 6.04 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	16.6	11.0	16.4

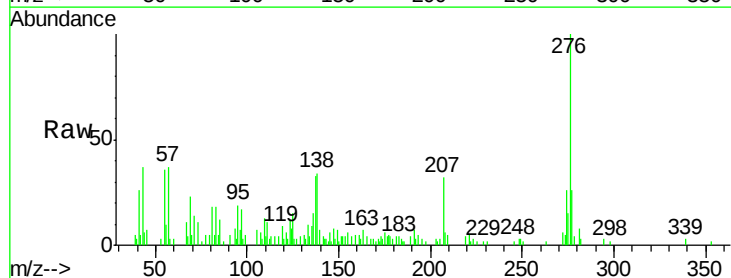


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.16 ng
RT: 16.55 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	34.3	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

