

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097214.D
 Acq On : 31 Jul 2017 18:09
 Operator : SJ/JU
 Sample : I4488-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Quant Time: Aug 01 00:56:38 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	103062	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	508571	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	188974	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	285498	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	227626	20.00	ng	-0.02
86) Perylene-d12	14.96	264	213638	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	835464	122.20	ng	0.00
7) Phenol-d6	6.16	99	872810	111.83	ng	-0.01
23) Nitrobenzene-d5	7.05	82	549930	63.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	145214	97.26	ng	-0.02
44) 2-Fluorobiphenyl	8.84	172	823806	73.98	ng	-0.03
78) Terphenyl-d14	12.57	244	552961	49.53	ng	-0.02

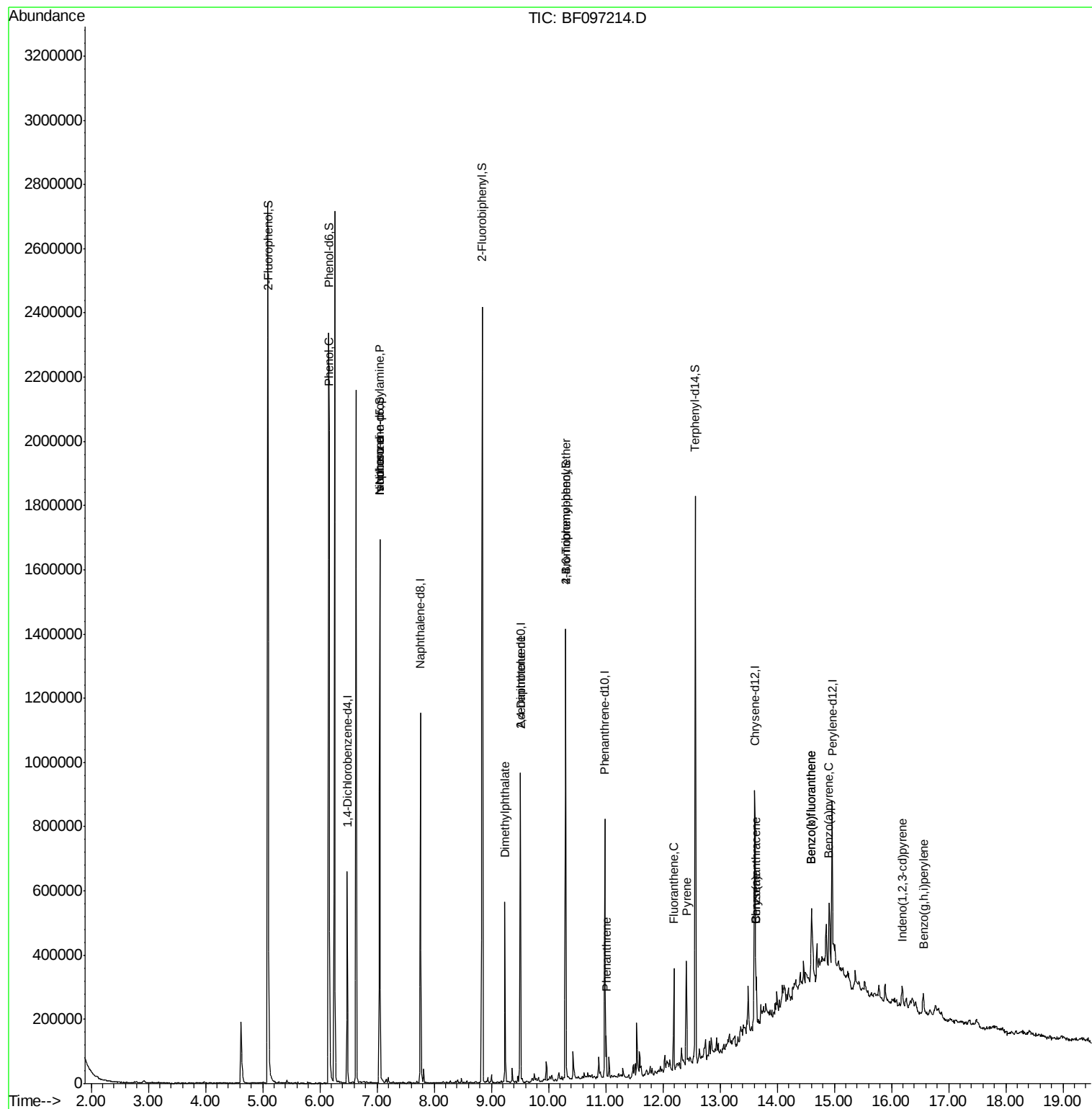
Target Compounds						Qvalue
10) Phenol	6.17	94	50160	5.42	ng	99
19) n-Nitroso-di-n-propylamine	7.05	70	75256	14.65	ng	# 88
25) Isophorone	7.05	82	543648	32.02	ng	# 67
49) Dimethylphthalate	9.24	163	206596	14.40	ng	98
56) 2,4-Dinitrotoluene	9.51	165	23467	6.71	ng	# 33
66) 4-Bromophenyl-phenylether	10.30	248	9405	3.30	ng	# 1
70) Phenanthrene	11.01	178	50472	3.30	ng	97
74) Fluoranthene	12.19	202	129820	8.66	ng	96
77) Pyrene	12.42	202	130625	7.01	ng	98
80) Benzo(a)anthracene	13.63	228	71334	4.84	ng	95
82) Chrysene	13.63	228	71334	4.96	ng	96
85) Indeno(1,2,3-cd)pyrene	16.19	276	35119	2.85	ng	94
87) Benzo(b)fluoranthene	14.60	252	123680	9.63	ng	# 95
88) Benzo(k)fluoranthene	14.60	252	123680	10.11	ng	99
89) Benzo(a)pyrene	14.91	252	71088	6.05	ng	# 93
91) Benzo(g,h,i)perylene	16.56	276	39398	3.90	ng	99

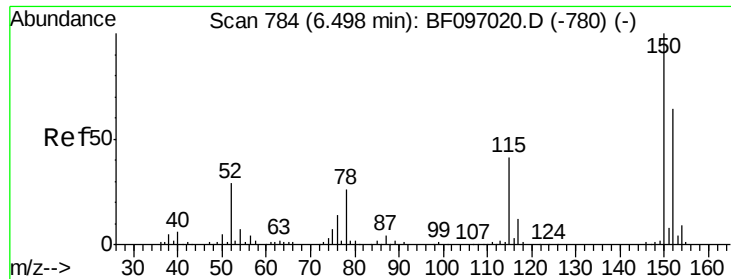
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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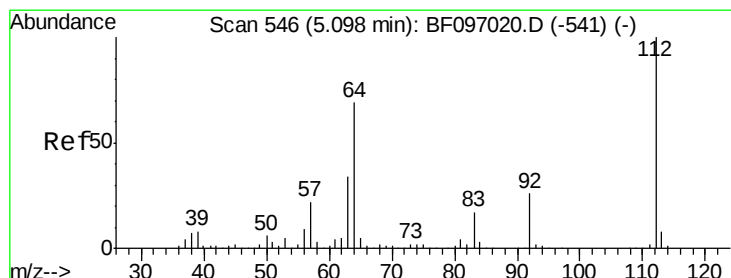
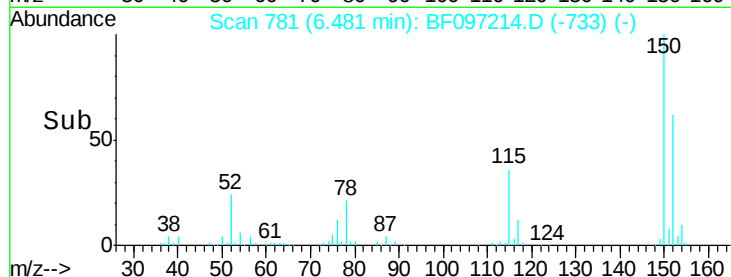
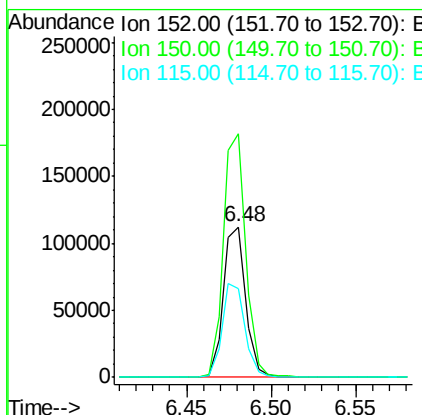
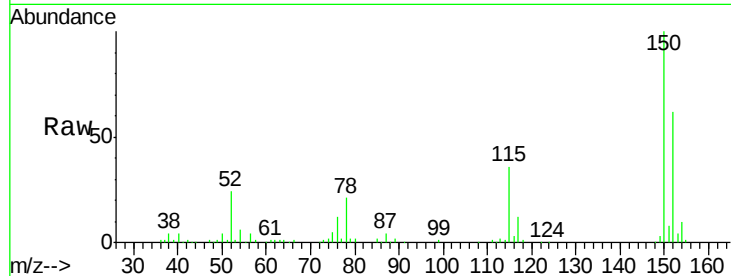


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

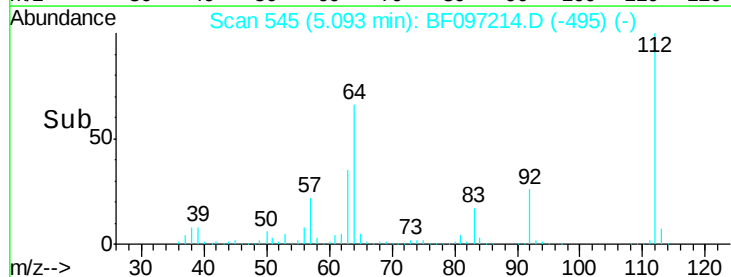
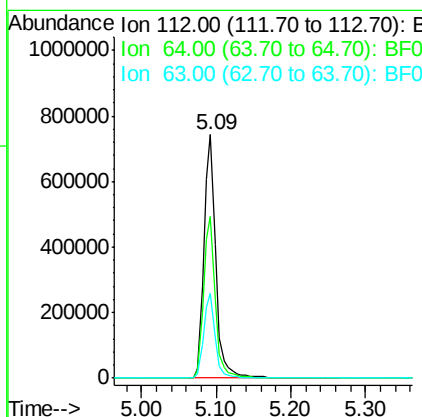
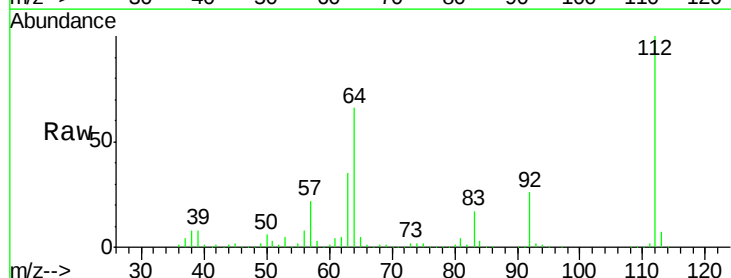
Tot Ion:152 Resp: 103062
Ion Ratio Lower Upper
152 100
150 161.5 126.2 189.2
115 58.7 52.2 78.2

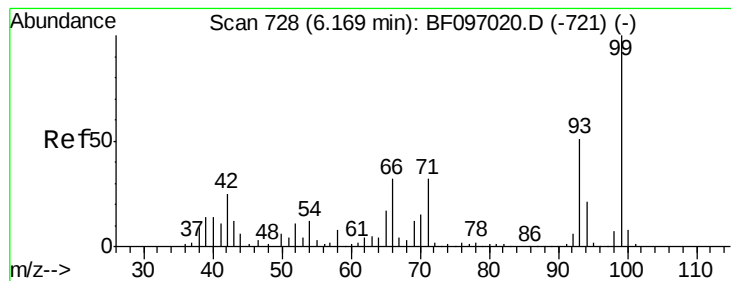


#5

2-Fluorophenol
Concen: 122.20 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion:112 Resp: 835464
Ion Ratio Lower Upper
112 100
64 66.4 46.0 69.0
63 34.6 23.4 35.0





#7

Phenol-d6

Concen: 111.83 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

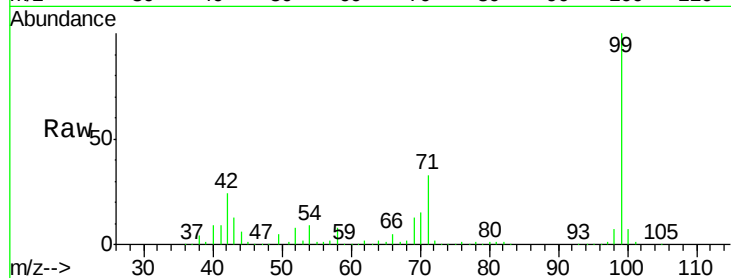
Tot Ion: 99 Resp: 872810

Ion Ratio Lower Upper

99 100

42 24.2 13.5 20.3#

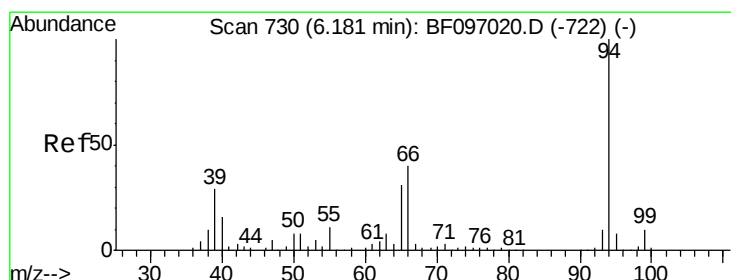
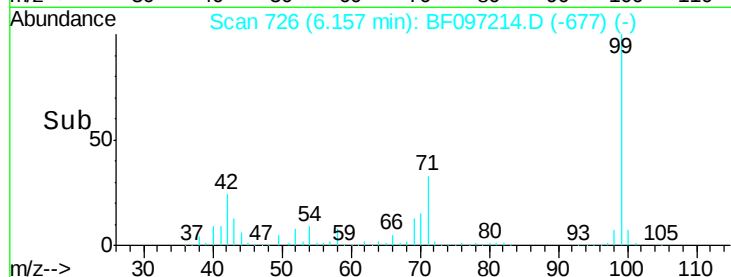
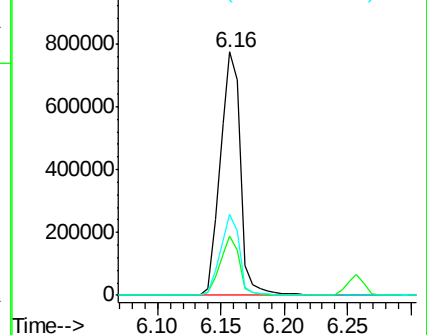
71 33.1 24.5 36.7



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: 5.42 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

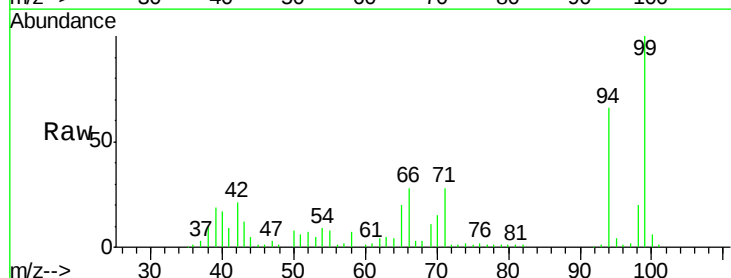
Tgt Ion: 94 Resp: 50160

Ion Ratio Lower Upper

94 100

65 29.5 9.9 49.9

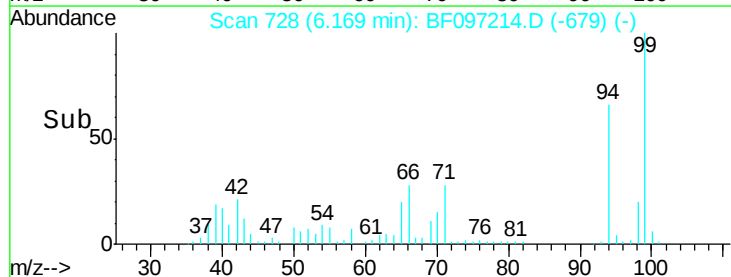
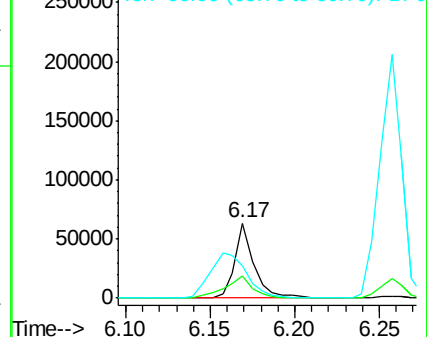
66 42.5 23.1 63.1

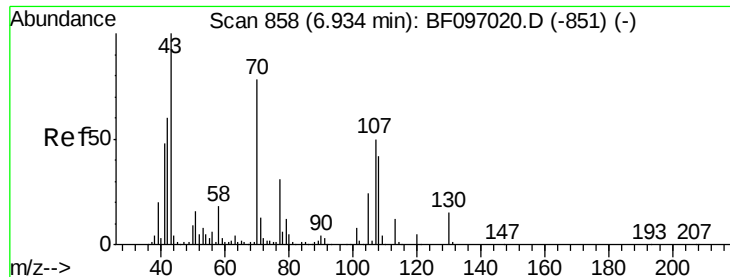


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

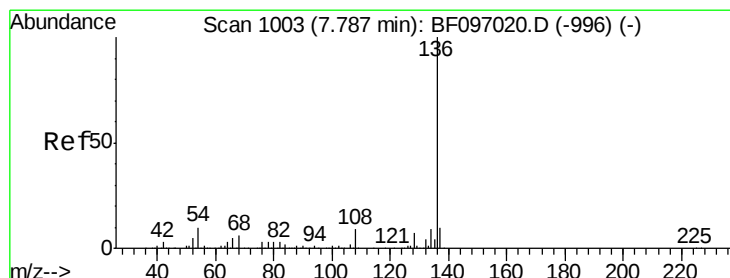
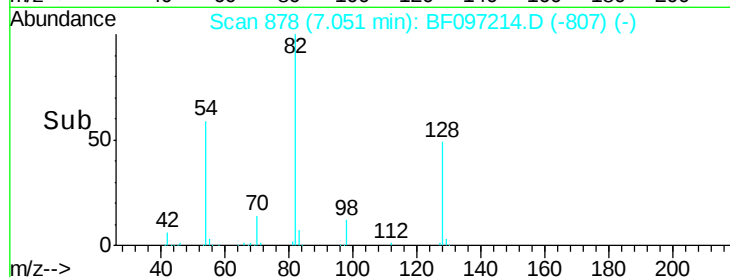
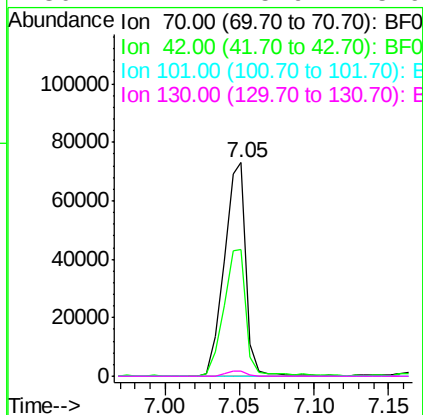
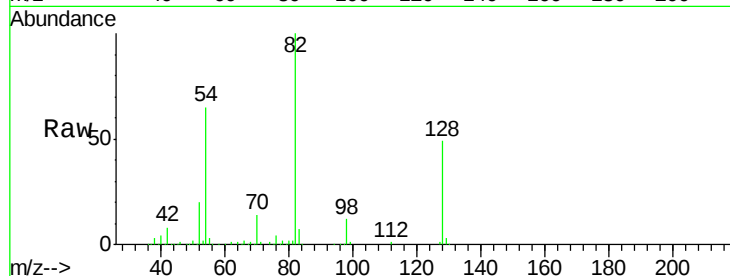




#19
n-Nitroso-di-n-propylamine
Concen: 14.65 ng
RT: 7.05 min Scan# 878
Delta R.T. 0.12 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

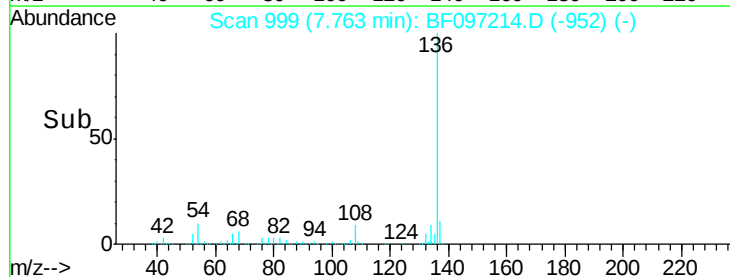
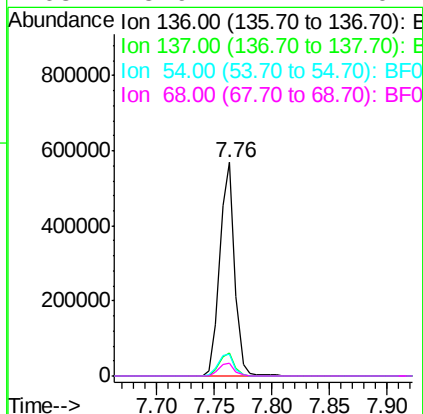
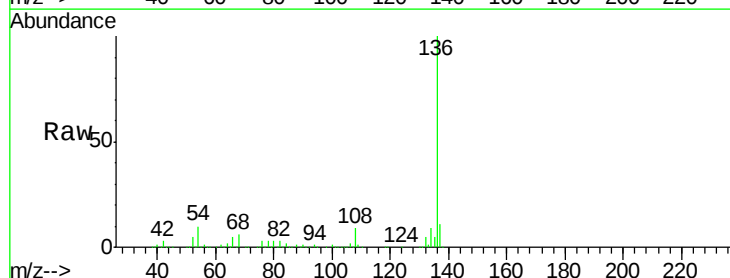
Instrument :
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CL-02-072717-B

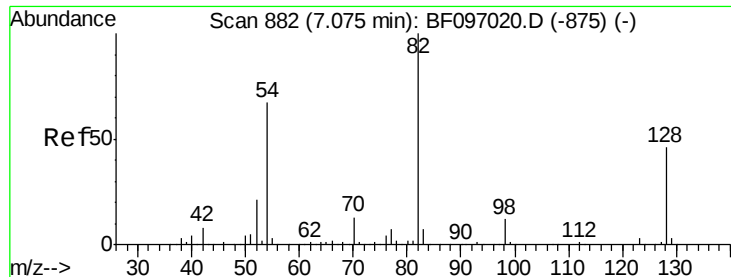
Tot Ion: 70 Resp: 75256
Ion Ratio Lower Upper
70 100
42 59.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion:136 Resp: 508571
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.2 4.9 7.3#
68 5.9 4.1 6.1

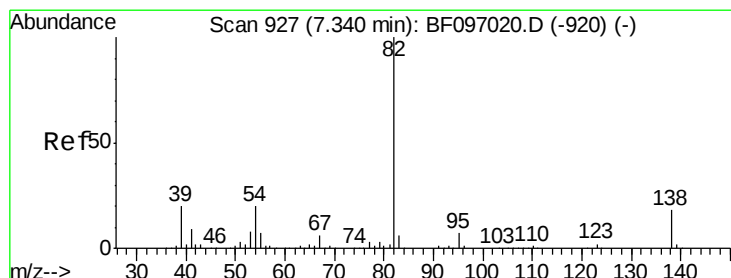
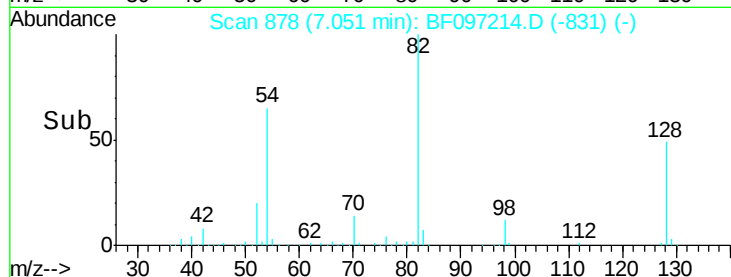
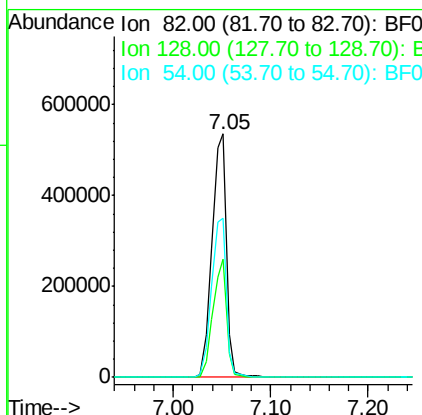
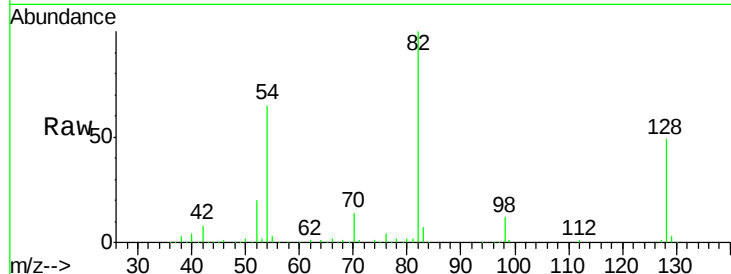




#23
 Nitrobenzene-d5
 Concen: 63.43 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.02 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

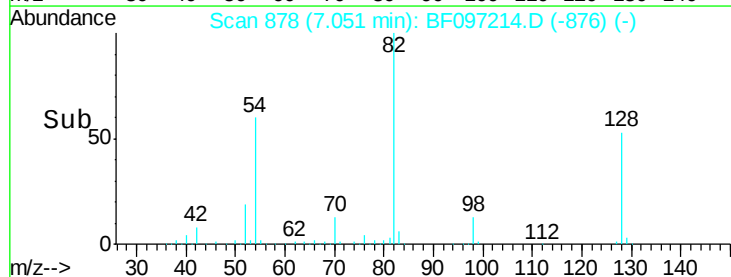
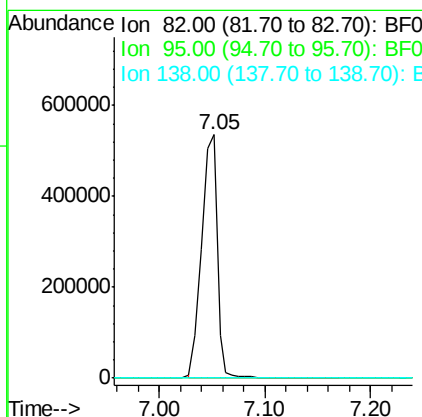
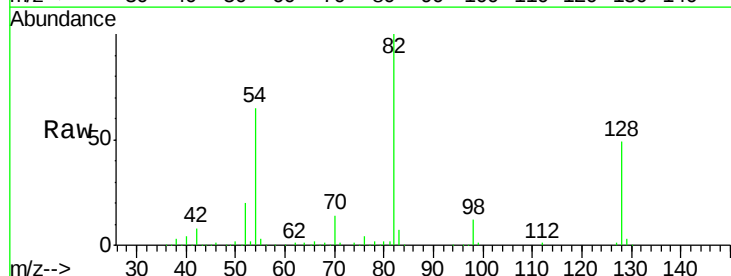
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

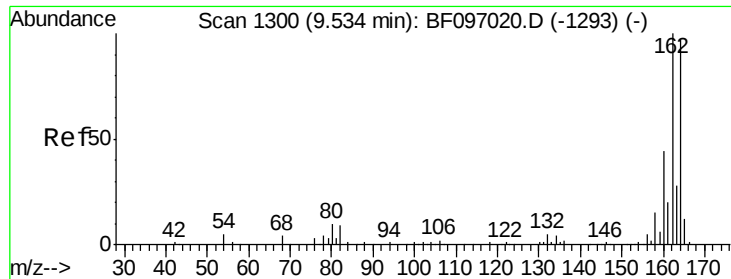
Tot Ion	82	Resp	549930
Ion Ratio	Lower	Upper	
82	100		
128	48.5	34.0	51.0
54	65.5	42.2	63.2#



#25
 Isophorone
 Concen: 32.02 ng
 RT: 7.05 min Scan# 878
 Delta R.T. -0.29 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Tgt Ion	82	Resp	543648
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

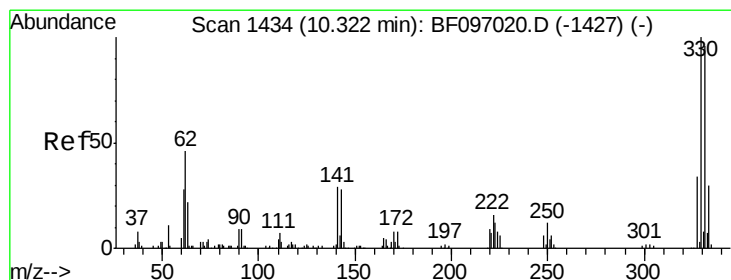
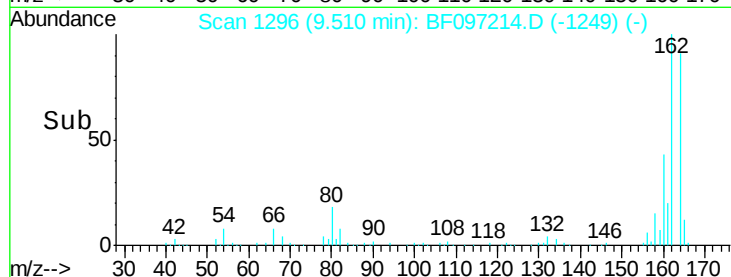
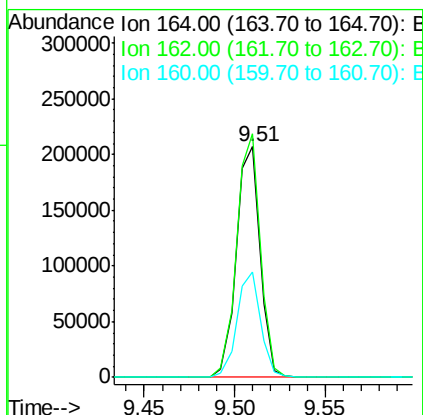
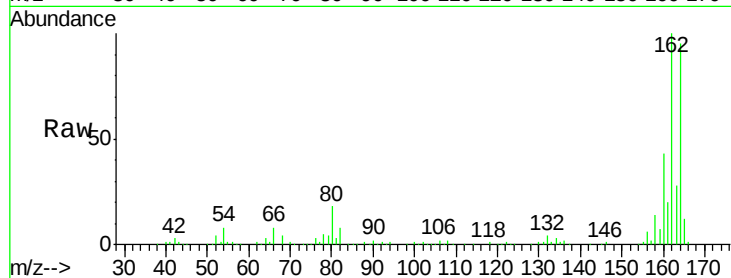




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

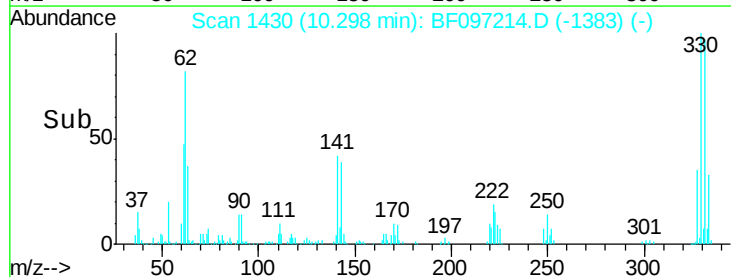
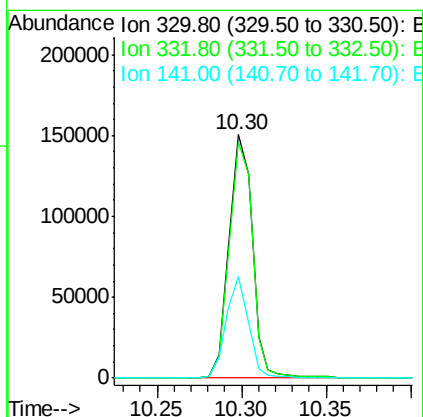
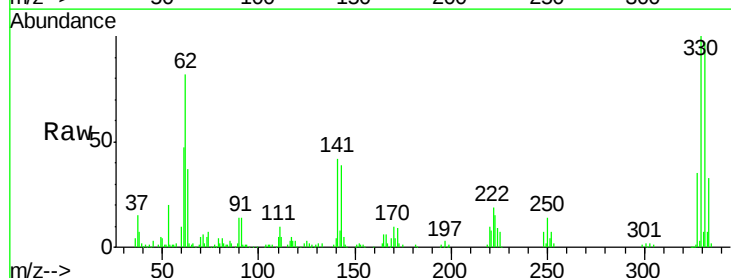
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Tot Ion:164 Resp: 188974
 Ion Ratio Lower Upper
 164 100
 162 105.6 82.6 123.8
 160 45.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 97.26 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Tgt Ion:330 Resp: 145214
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 40.0 31.4 47.2

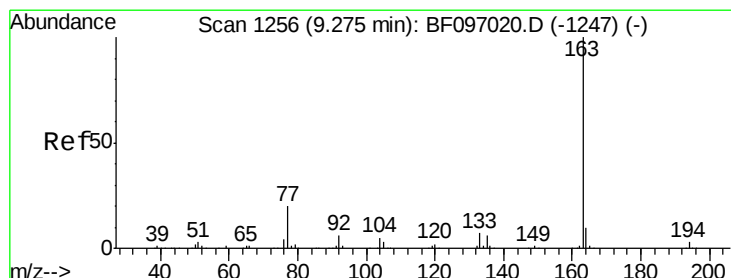
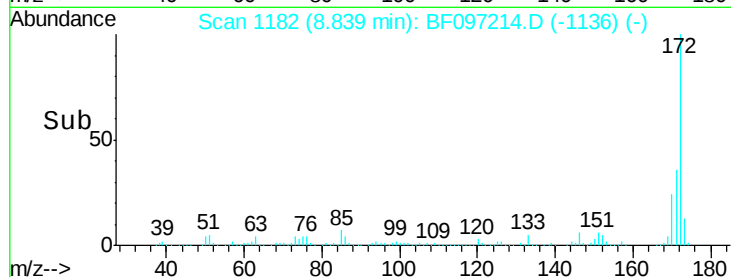
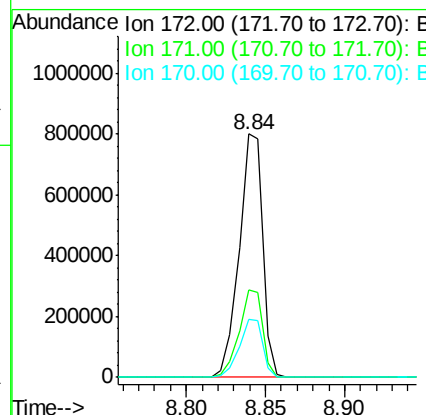
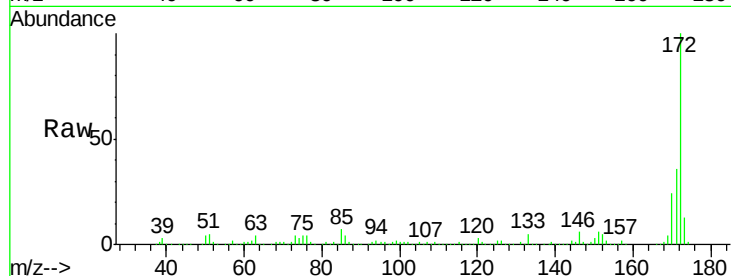




#44
 2-Fluorobiphenyl
 Concen: 73.98 ng
 RT: 8.84 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

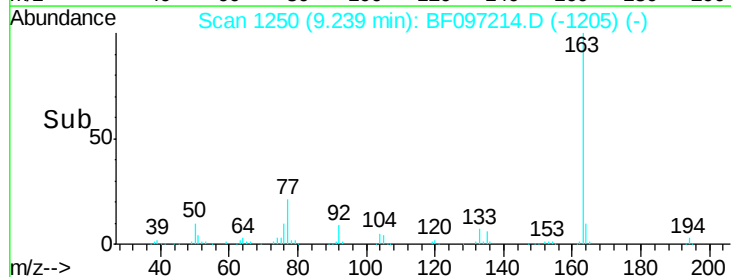
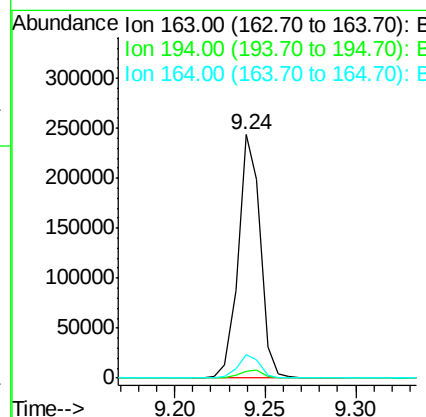
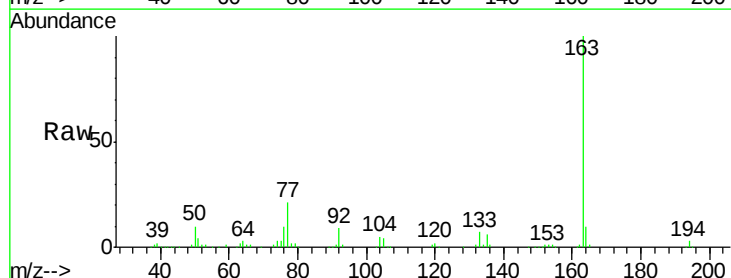
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Tot Ion:172 Resp: 823806
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.8 19.8 29.8



#49
 Dimethylphthalate
 Concen: 14.40 ng
 RT: 9.24 min Scan# 1250
 Delta R.T. -0.04 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Tgt Ion:163 Resp: 206596
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 4.0
 164 9.7 8.4 12.6

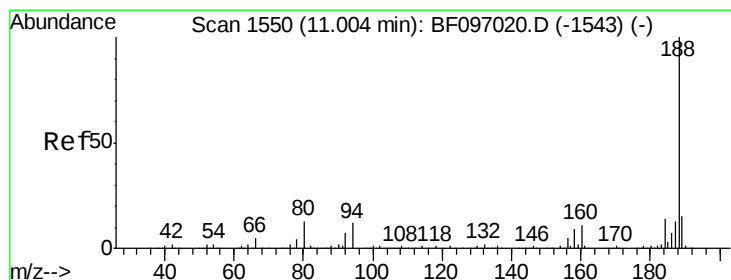
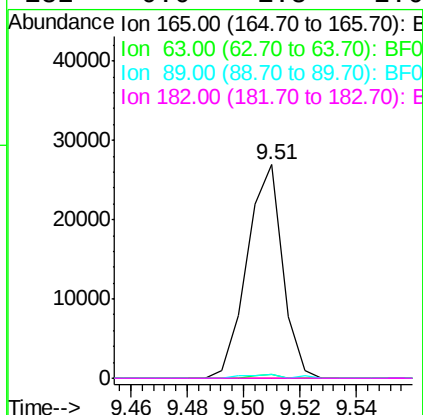
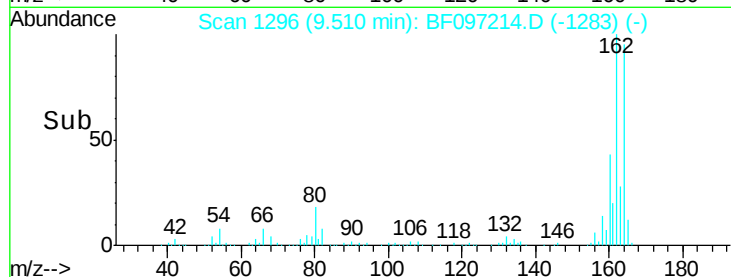
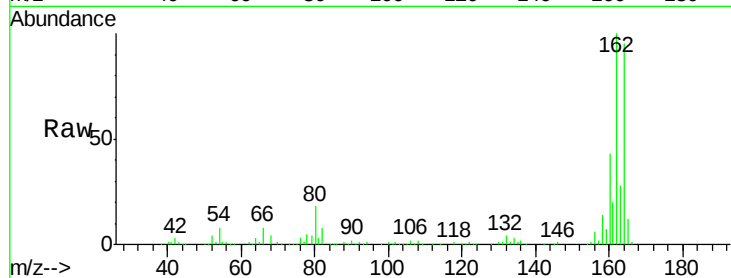




#56
 2,4-Dinitrotoluene
 Concen: 6.71 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

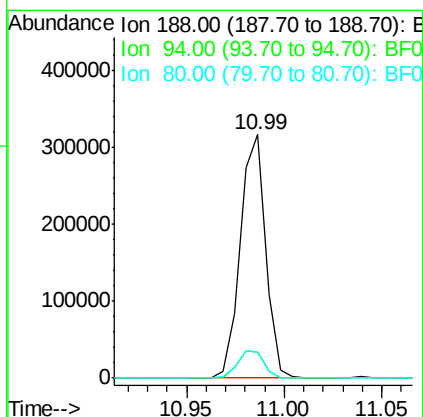
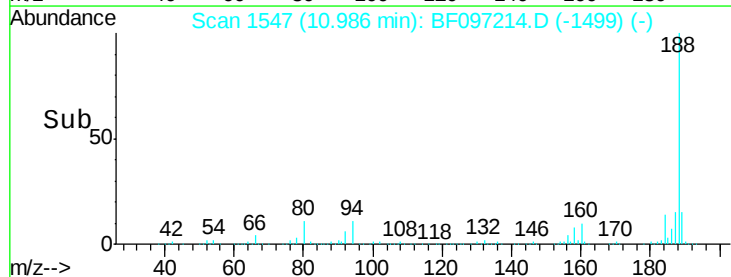
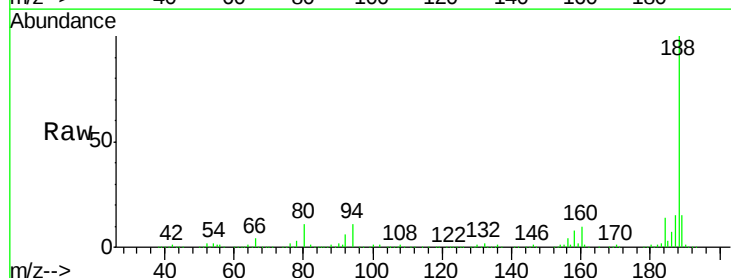
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.9	10.2	15.2

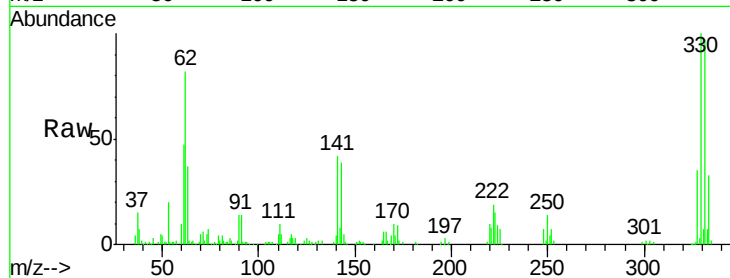




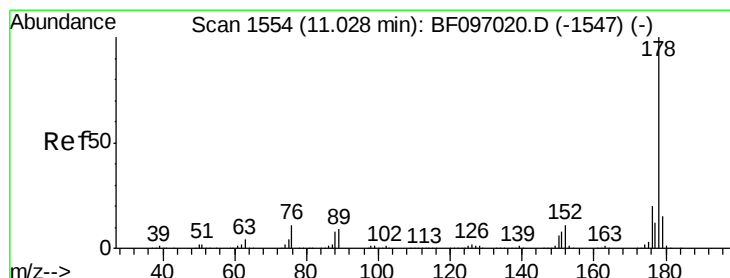
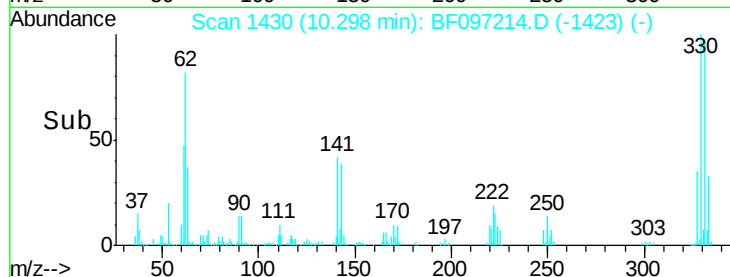
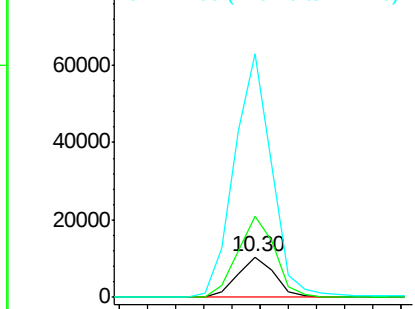
#66
 4-Bromophenyl-phenylether
 Concen: 3.30 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Tot Ion:248 Resp: 9405
 Ion Ratio Lower Upper
 248 100
 250 200.2 76.8 115.2#
 141 599.0 68.6 103.0#

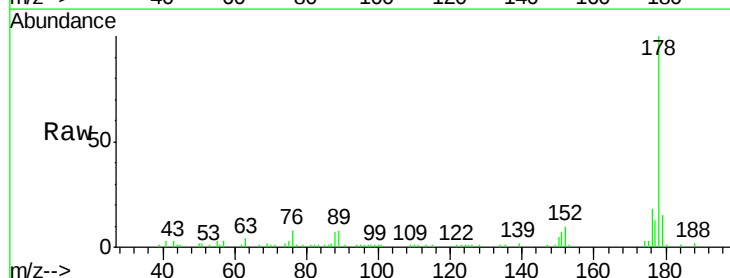


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

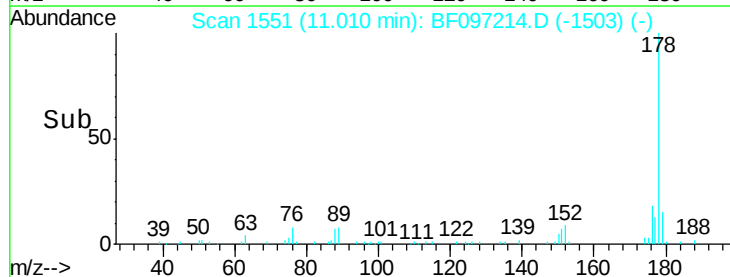
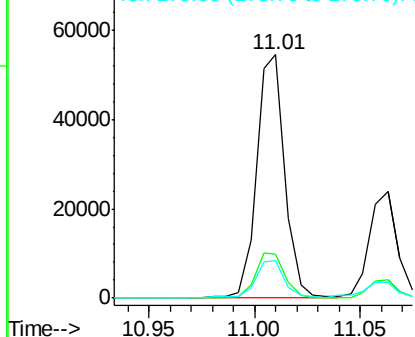


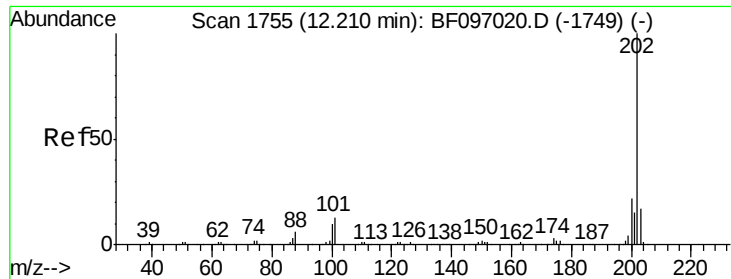
#70
 Phenanthrene
 Concen: 3.30 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Tgt Ion:178 Resp: 50472
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.2 24.4
 179 15.3 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: 8.66 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

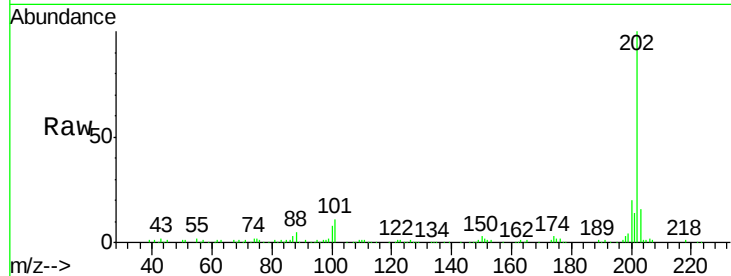
Tot Ion:202 Resp: 129820

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.2

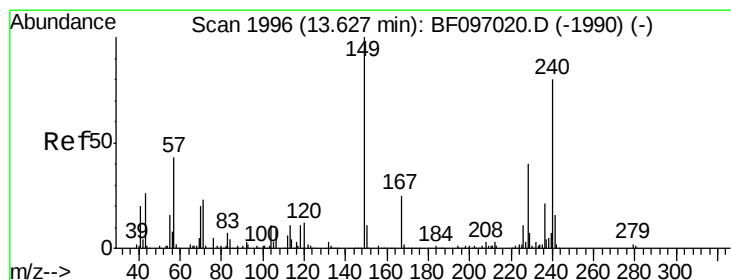
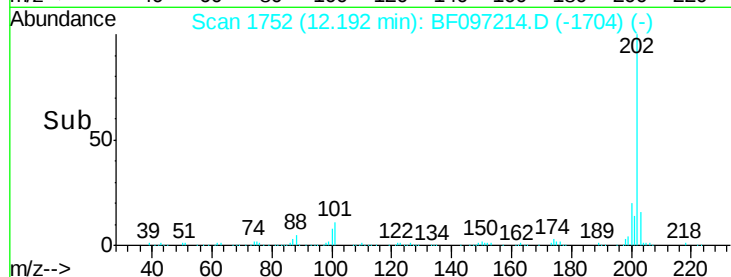
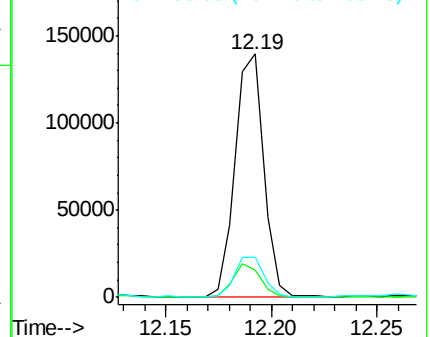
203 16.3 0.0 38.1



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: BF097214.D

Acq: 31 Jul 2017 18:09

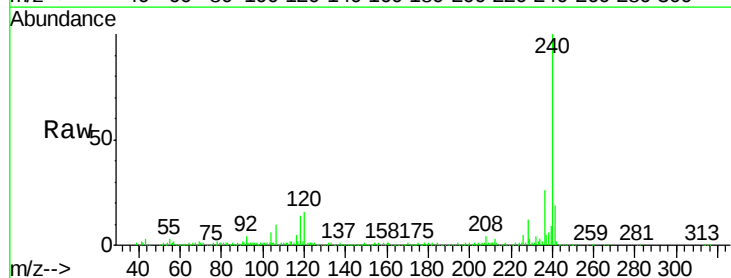
Tgt Ion:240 Resp: 227626

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

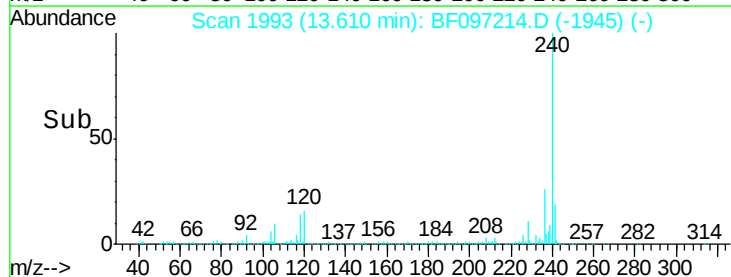
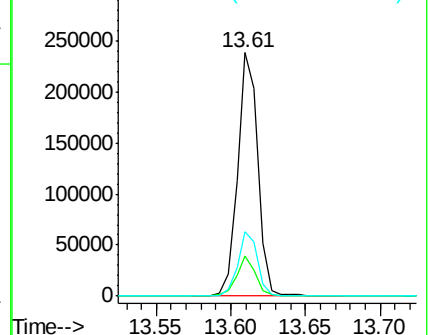
236 26.2 20.5 30.7

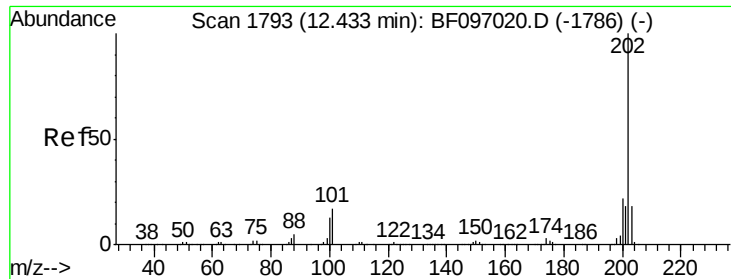


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.01 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

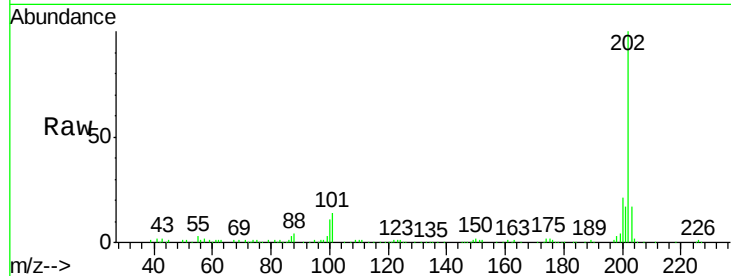
Tot Ion:202 Resp: 130625

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

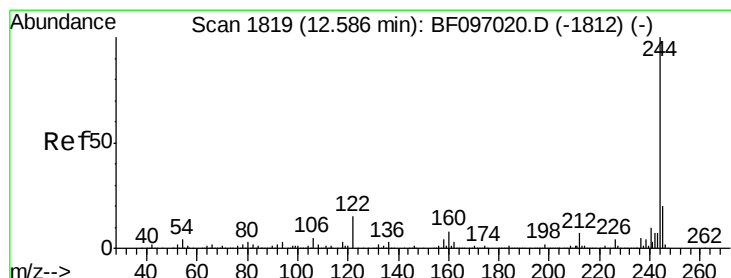
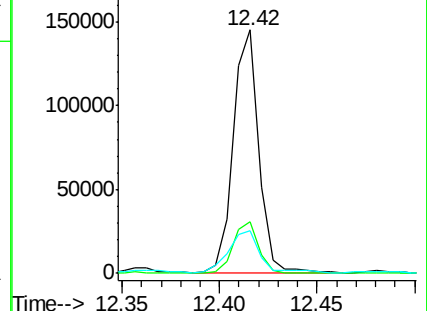
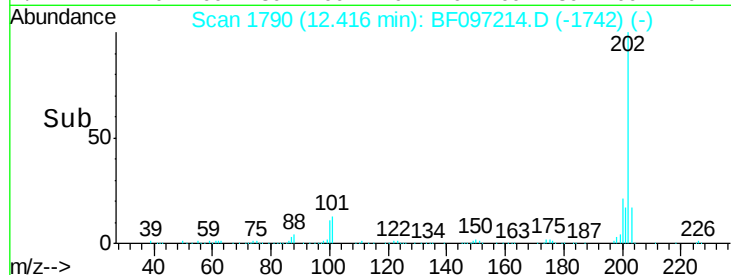
203 17.4 14.4 21.6



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: 49.53 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

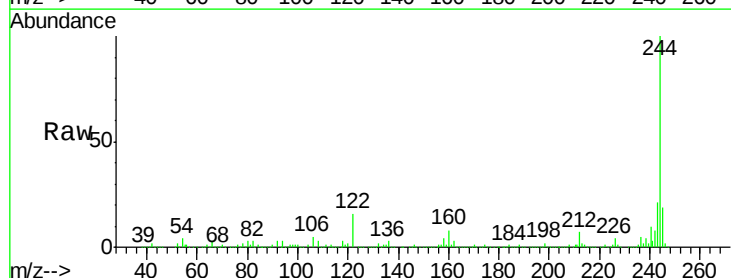
Tgt Ion:244 Resp: 552961

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

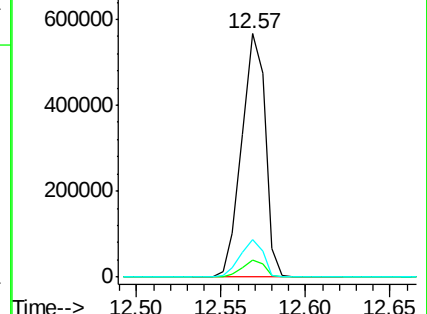
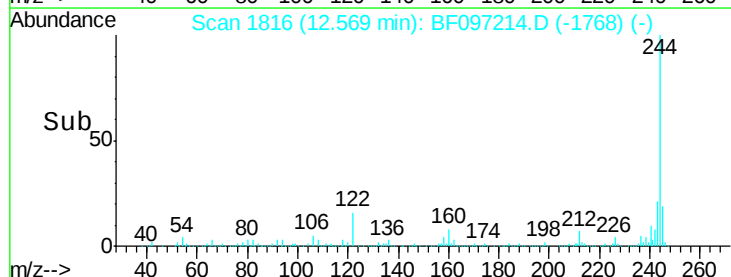
122 15.6 10.3 15.5#

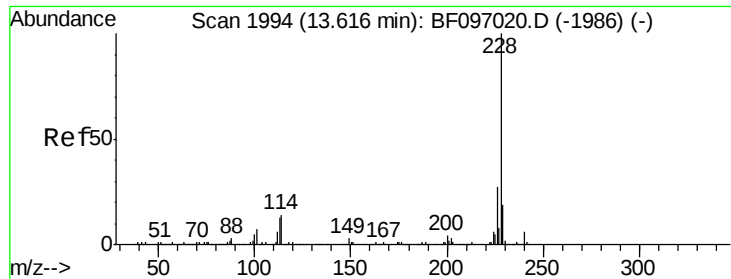


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

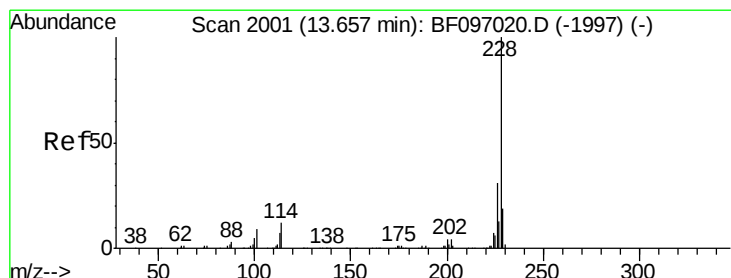
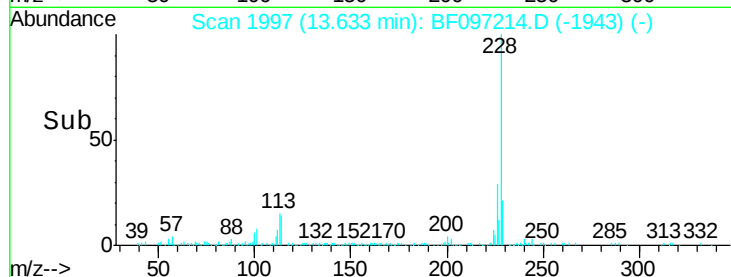
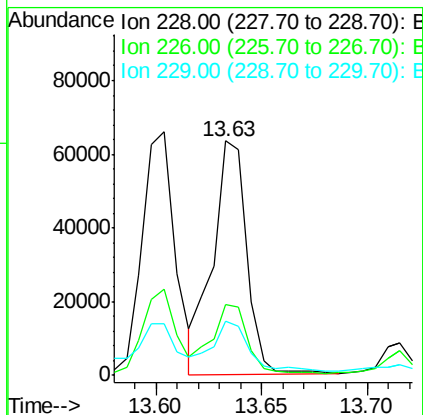
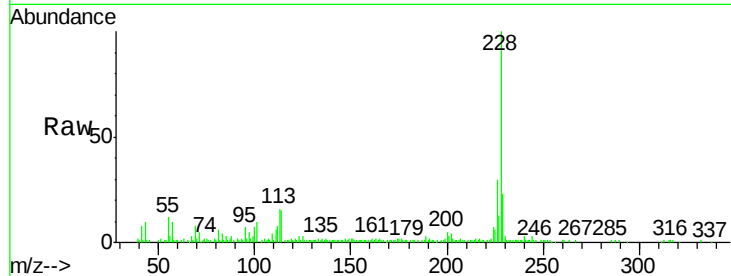




#80
Benzo(a)anthracene
Concen: 4.84 ng
RT: 13.63 min Scan# 1997
Delta R.T. 0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

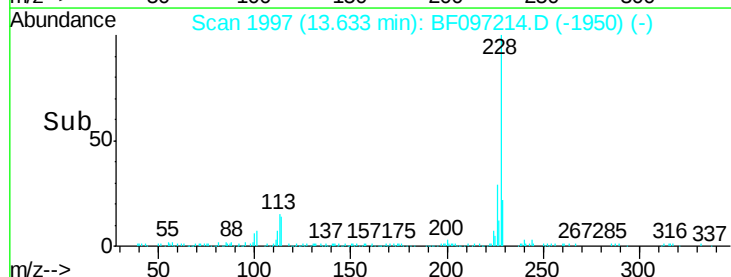
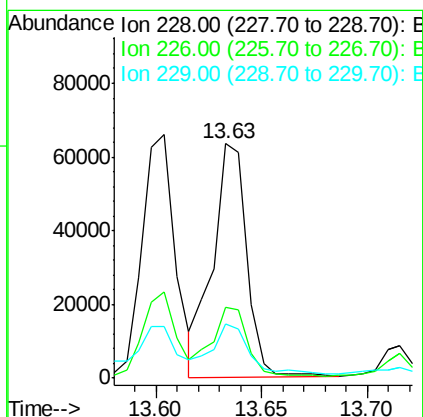
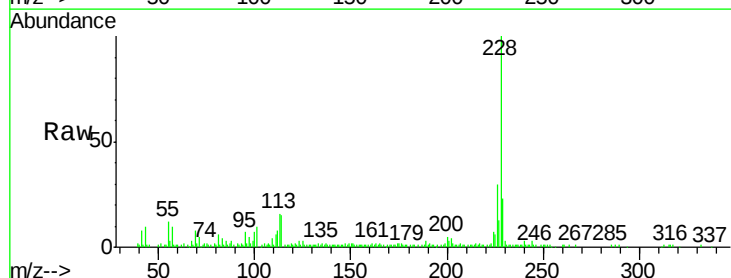
Instrument :
BNA_F
ClientSampleId :
CL-02-072717-B

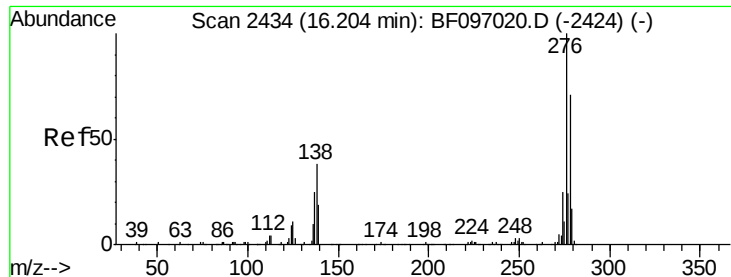
Tot Ion:228 Resp: 71334
Ion Ratio Lower Upper
228 100
226 30.2 22.6 33.8
229 23.2 16.3 24.5



#82
Chrysene
Concen: 4.96 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097214.D
Acq: 31 Jul 2017 18:09

Tgt Ion:228 Resp: 71334
Ion Ratio Lower Upper
228 100
226 30.2 24.9 37.3
229 23.2 15.8 23.6

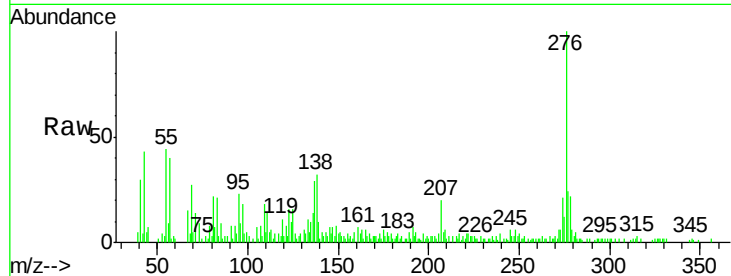




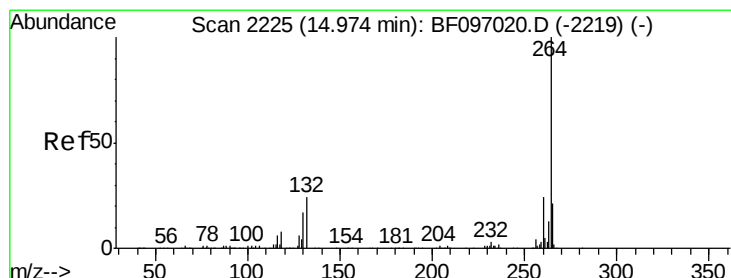
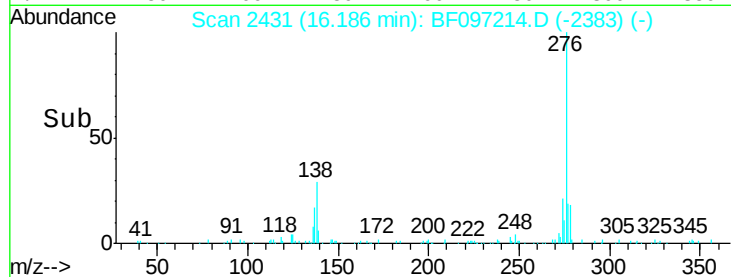
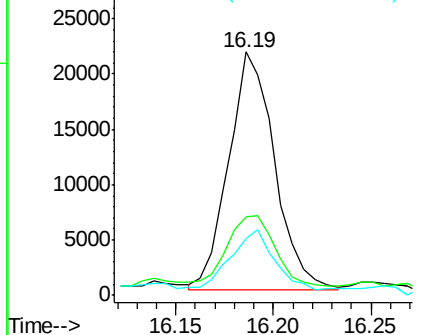
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.85 ng
 RT: 16.19 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	30.6	27.8	41.6	
277	22.8	20.2	30.4	

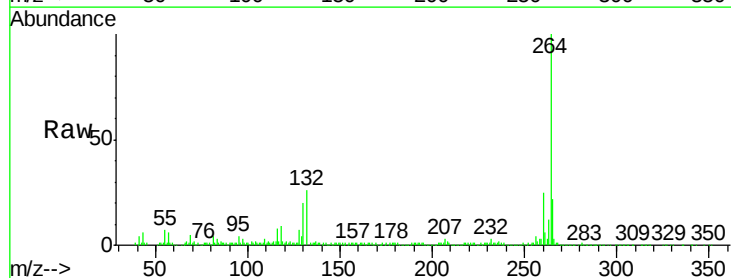


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

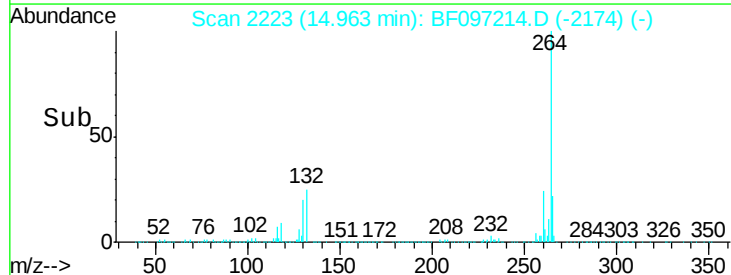
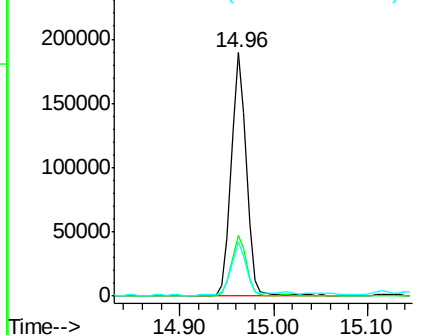


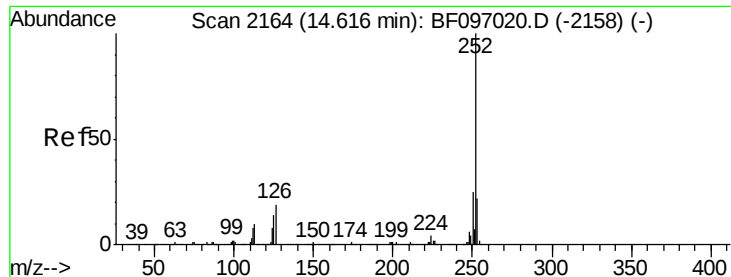
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097214.D
 Acq: 31 Jul 2017 18:09

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.7	19.5	29.3	
265	22.2	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: 9.63 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

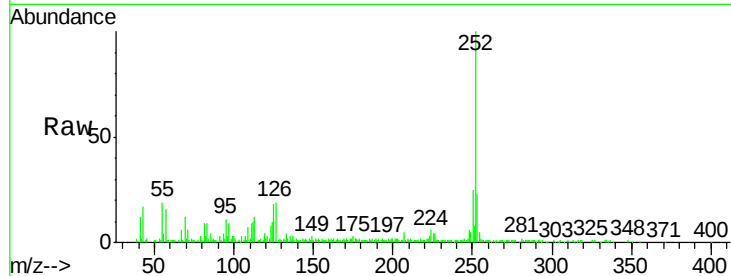
Tot Ion:252 Resp: 123680

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

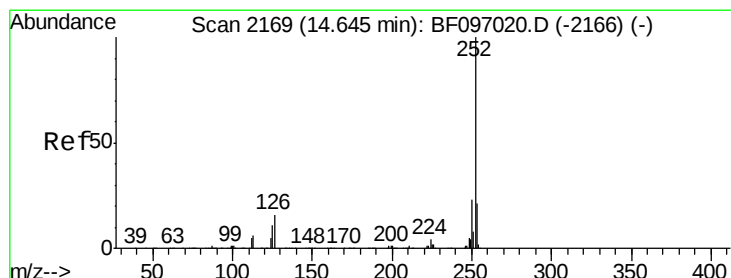
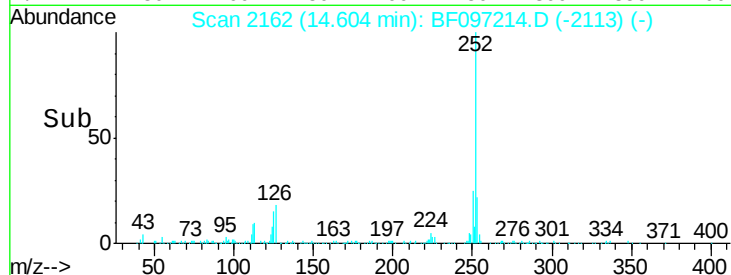
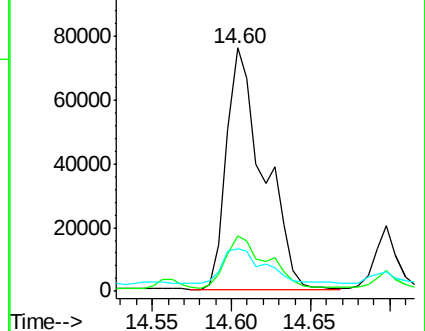
125 17.6 9.8 14.8#



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: 10.11 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

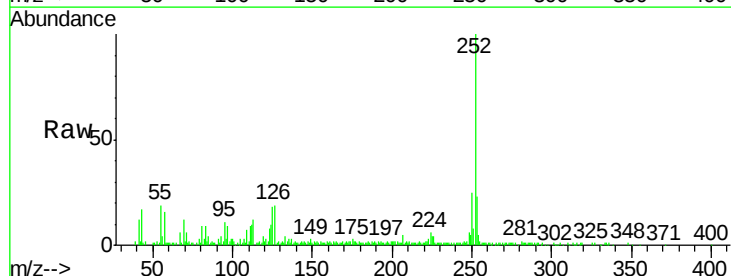
Tgt Ion:252 Resp: 123680

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

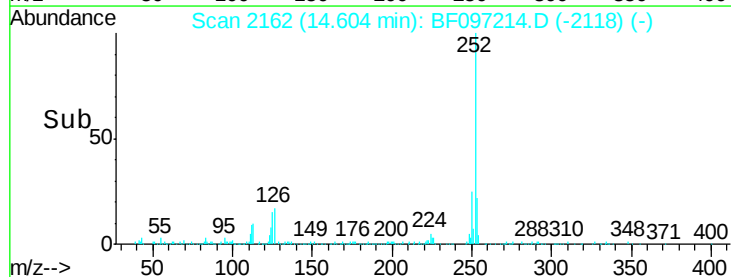
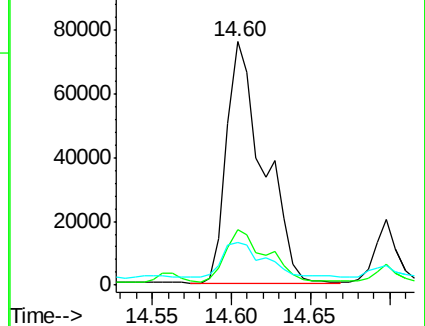
125 17.6 13.1 19.7

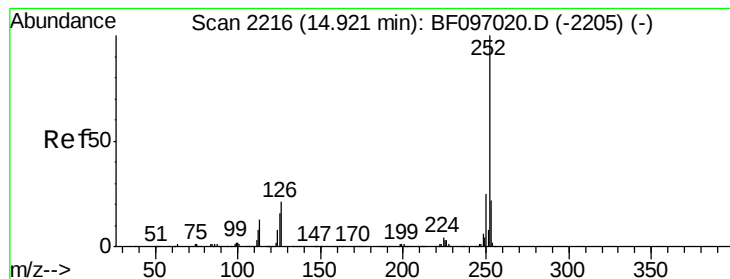


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.05 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

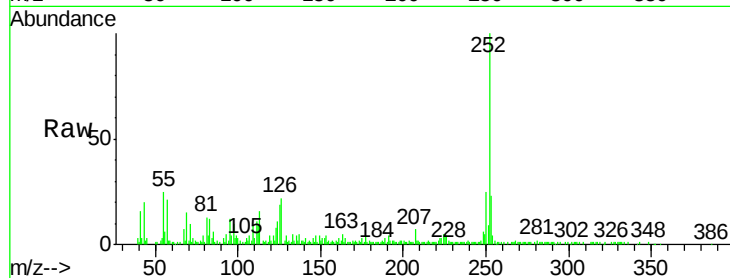
Tot Ion:252 Resp: 71088

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

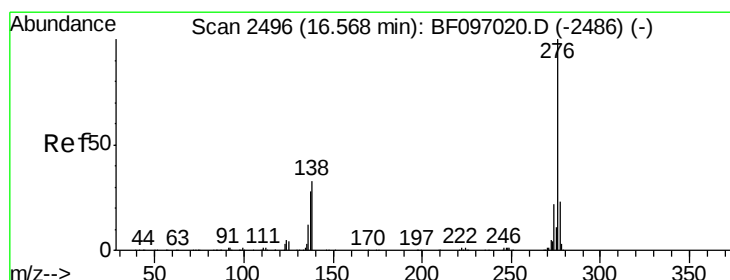
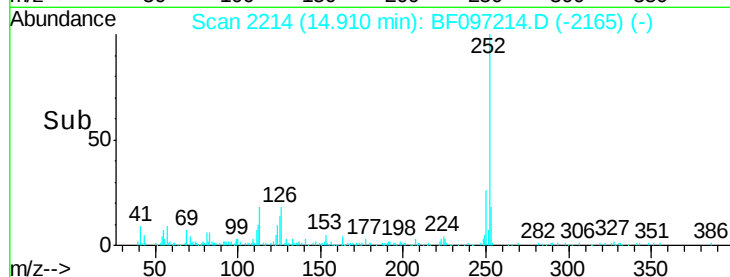
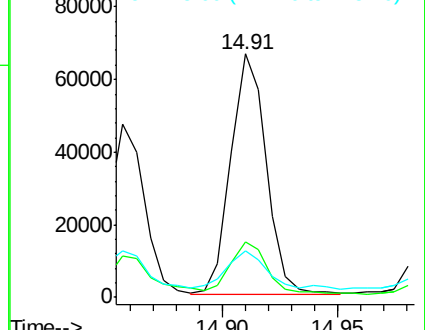
125 19.3 11.0 16.4#



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: 3.90 ng

RT: 16.56 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF097214.D

Acq: 31 Jul 2017 18:09

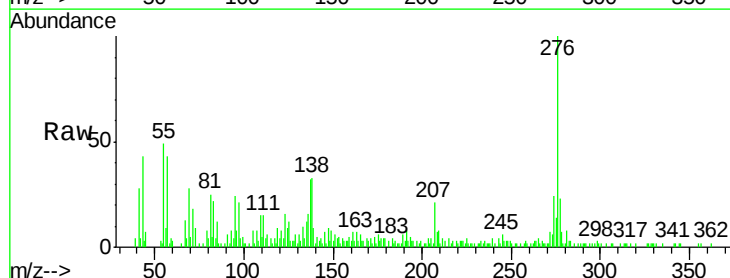
Tgt Ion:276 Resp: 39398

Ion Ratio Lower Upper

276 100

277 22.8 18.6 28.0

138 32.7 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

