

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097247.D
 Acq On : 1 Aug 2017 22:28
 Operator : SJ/JU
 Sample : I4524-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Quant Time: Aug 02 03:57:36 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

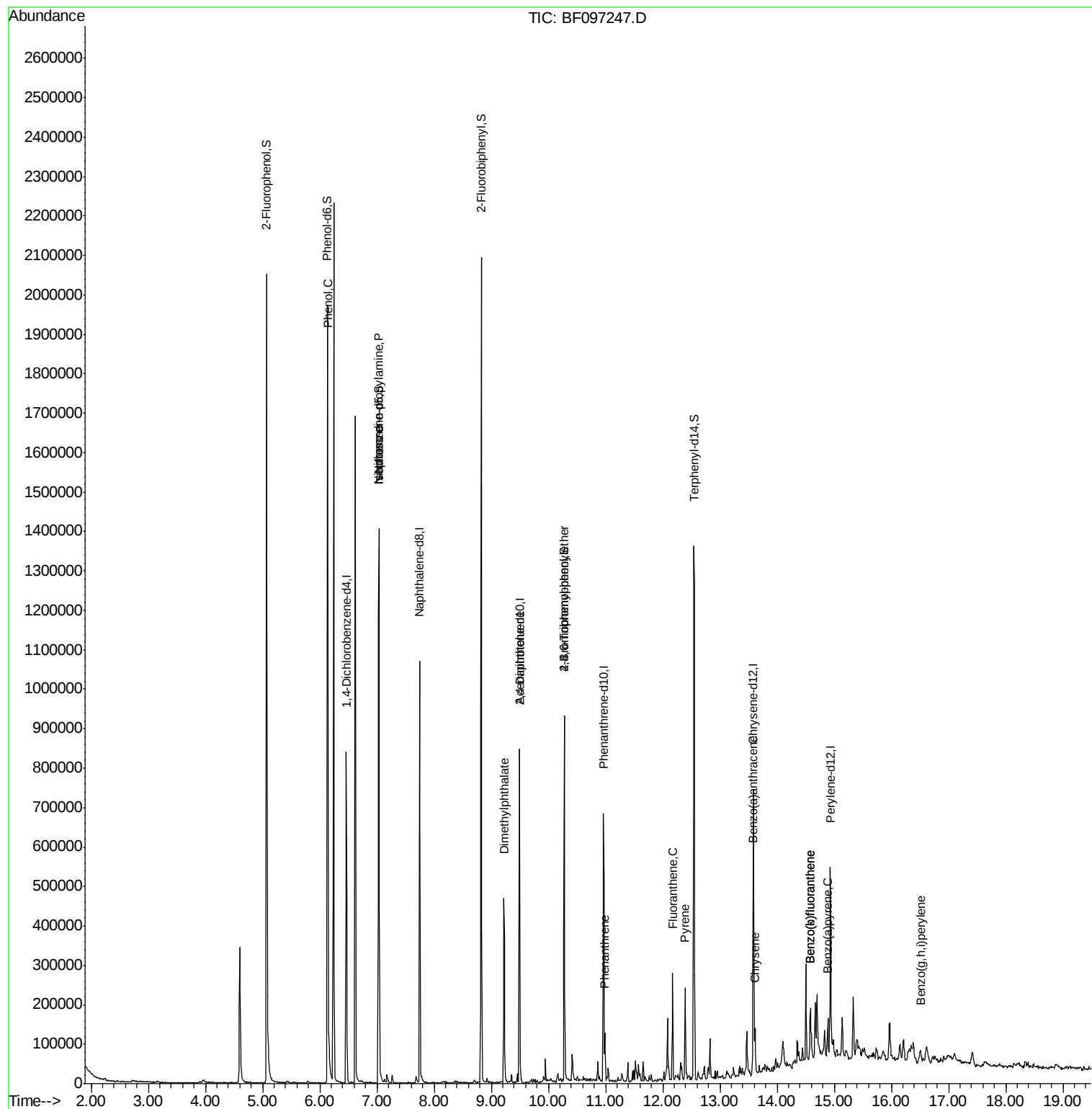
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	115274	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	449737	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	164409	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	227685	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	213653	20.00	ng	-0.04
86) Perylene-d12	14.93	264	173915	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	621066	81.22	ng	-0.03
7) Phenol-d6	6.13	99	719346	82.40	ng	-0.04
23) Nitrobenzene-d5	7.03	82	421341	54.96	ng	-0.04
41) 2,4,6-Tribromophenol	10.28	330	93807	72.22	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	677704	69.96	ng	-0.04
78) Terphenyl-d14	12.55	244	416407	39.74	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.15	94	33657	3.25	ng	86
19) n-Nitroso-di-n-propylamine	7.03	70	57044	9.93	ng	# 89
25) Isophorone	7.03	82	410880	27.37	ng	# 67
49) Dimethylphthalate	9.22	163	175480	14.06	ng	99
56) 2,4-Dinitrotoluene	9.49	165	20484	6.73	ng	# 34
66) 4-Bromophenyl-phenylether	10.28	248	6137	2.70	ng	# 1
70) Phenanthrene	10.99	178	41765	3.42	ng	97
74) Fluoranthene	12.17	202	93419	7.82	ng	95
77) Pyrene	12.39	202	85018	4.86	ng	99
80) Benzo(a)anthracene	13.57	228	44210	3.20	ng	97
82) Chrysene	13.62	228	47607	3.53	ng	94
87) Benzo(b)fluoranthene	14.58	252	72312	6.92	ng	# 92
88) Benzo(k)fluoranthene	14.58	252	72312	7.26	ng	96
89) Benzo(a)pyrene	14.88	252	36854	3.85	ng	# 95
91) Benzo(a,h,i)perylene	16.51	276	16885	2.05	ng	96

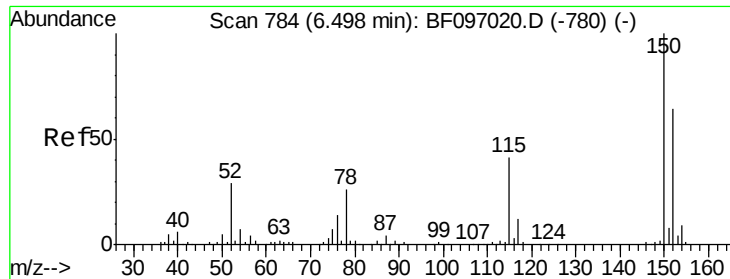
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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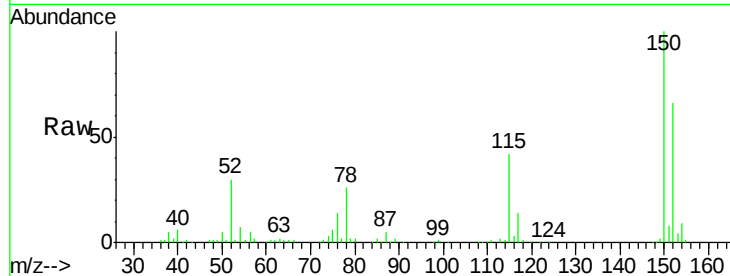


#1

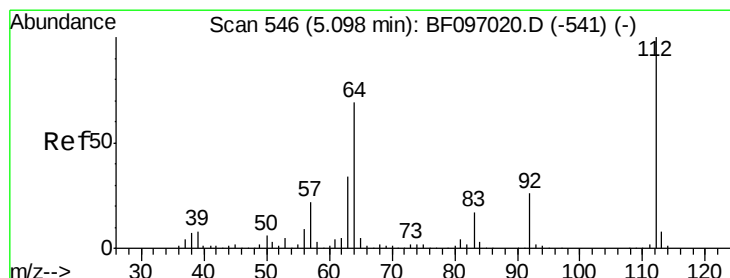
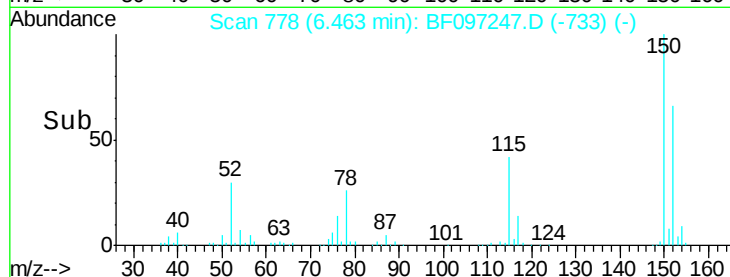
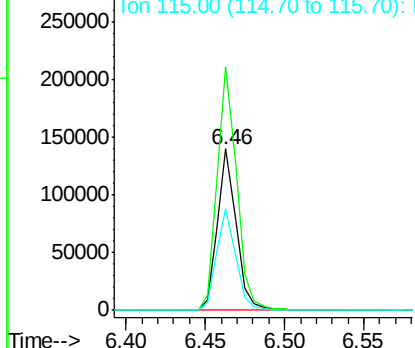
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.46 min Scan# 778
 Delta R.T. -0.04 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Tot Ion:152 Resp: 115274
 Ion Ratio Lower Upper
 152 100
 150 150.8 126.2 189.2
 115 62.9 52.2 78.2



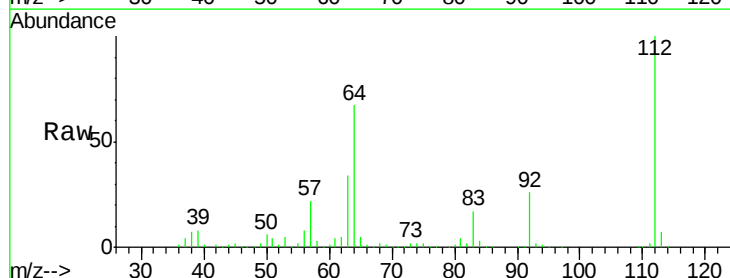
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



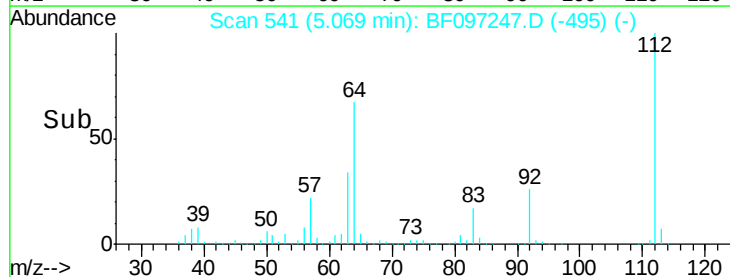
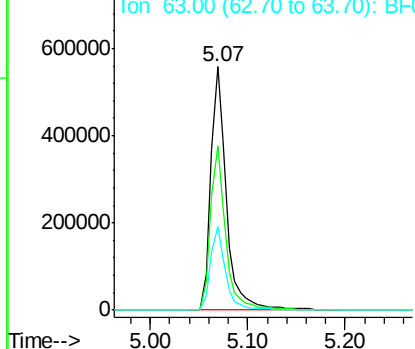
#5

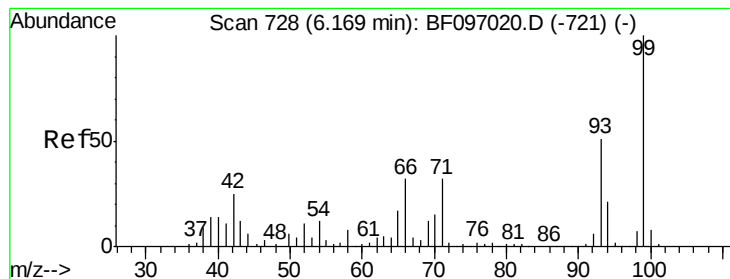
2-Fluorophenol
 Concen: 81.22 ng
 RT: 5.07 min Scan# 541
 Delta R.T. -0.03 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Tgt Ion:112 Resp: 621066
 Ion Ratio Lower Upper
 112 100
 64 67.4 46.0 69.0
 63 34.3 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: 82.40 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

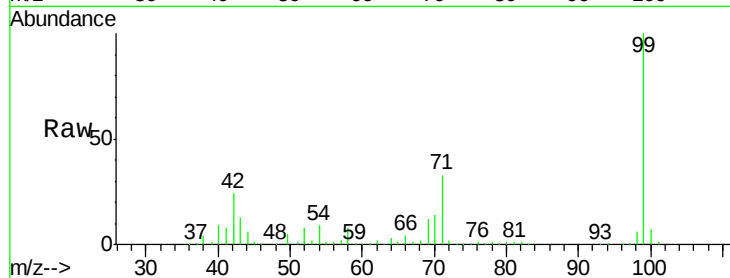
BNA_F

ClientSampleId :

SU-04-072817

Tot Ion: 99 Resp: 719346

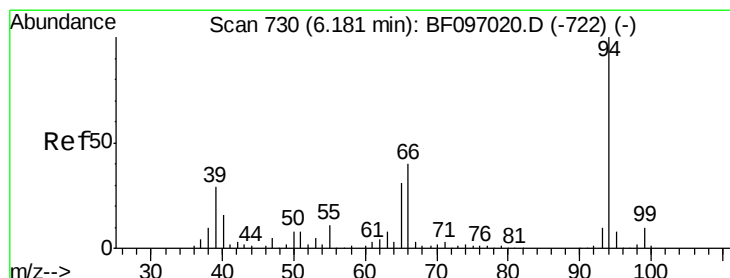
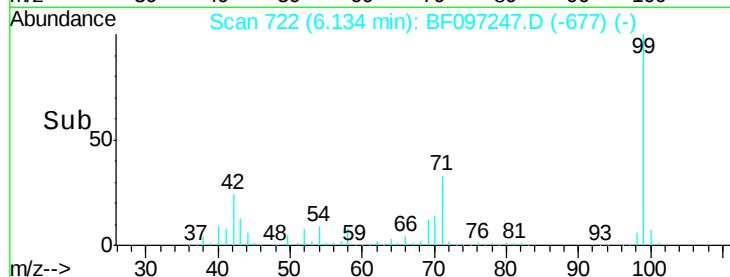
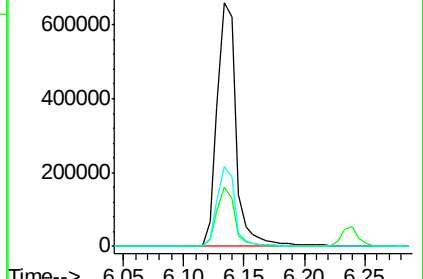
Ion	Ratio	Lower	Upper
99	100		
42	24.2	13.5	20.3#
71	32.8	24.5	36.7



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: 3.25 ng

RT: 6.15 min Scan# 724

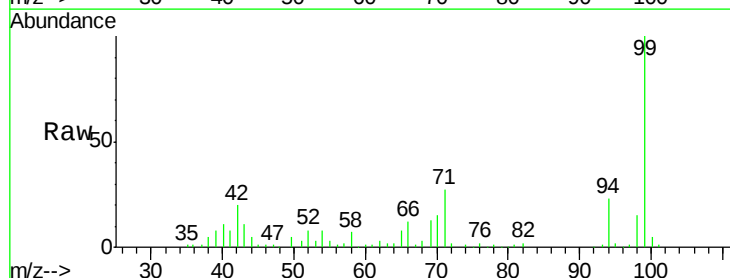
Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Tgt Ion: 94 Resp: 33657

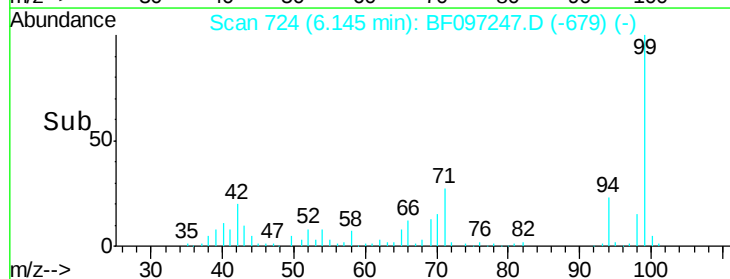
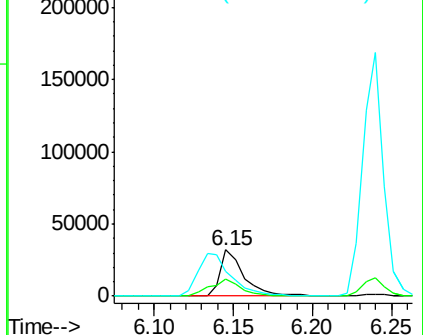
Ion	Ratio	Lower	Upper
94	100		
65	36.3	9.9	49.9
66	52.7	23.1	63.1

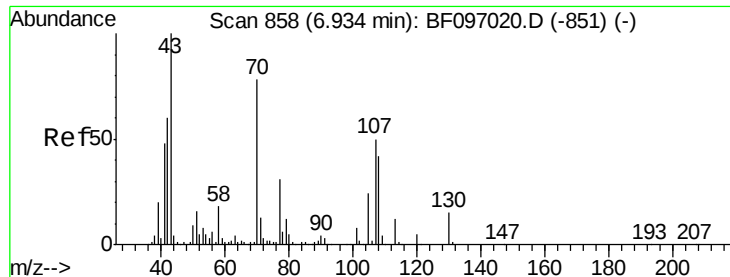


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

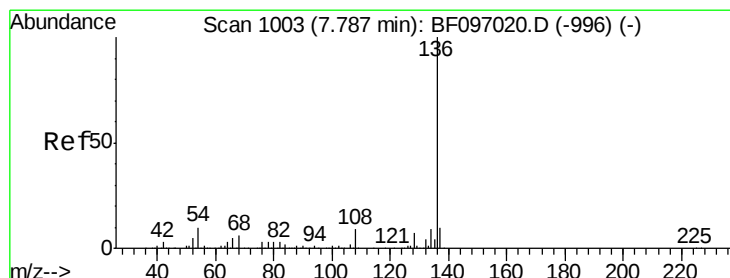
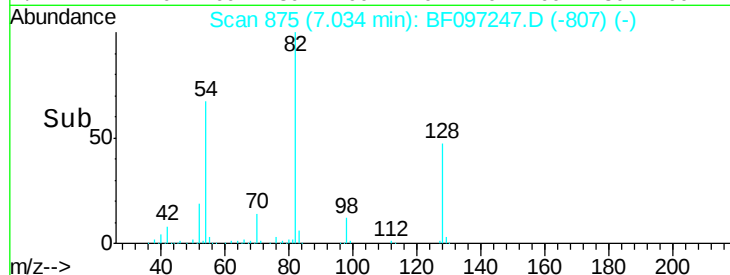
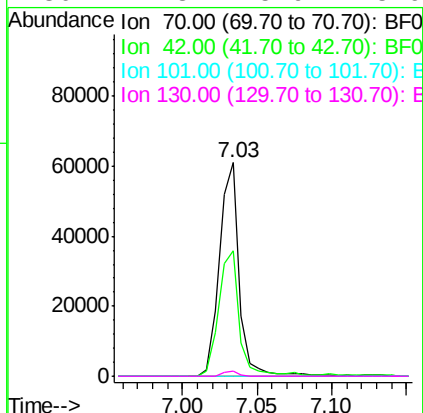
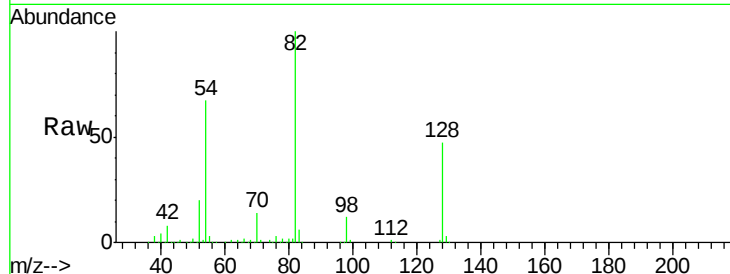




#19
n-Nitroso-di-n-propylamine
Concen: 9.93 ng
RT: 7.03 min Scan# 875
Delta R.T. 0.10 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

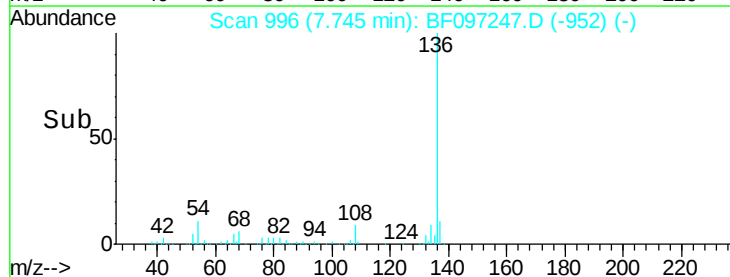
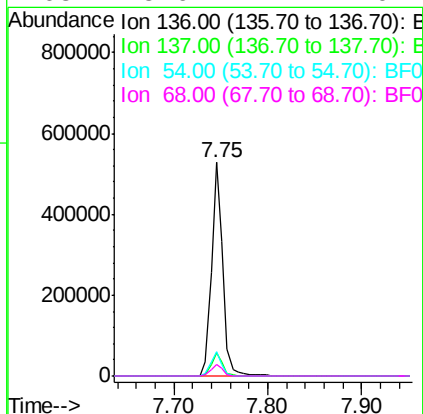
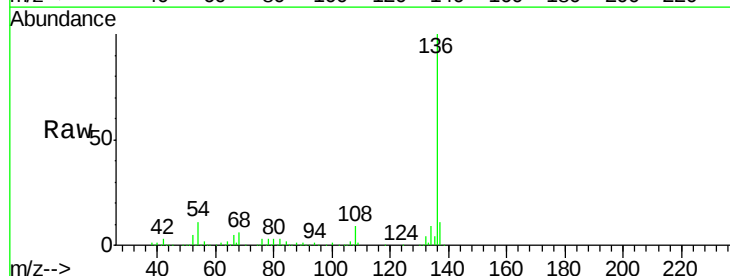
Instrument :
BNA_F
ClientSampleId :
SU-04-072817

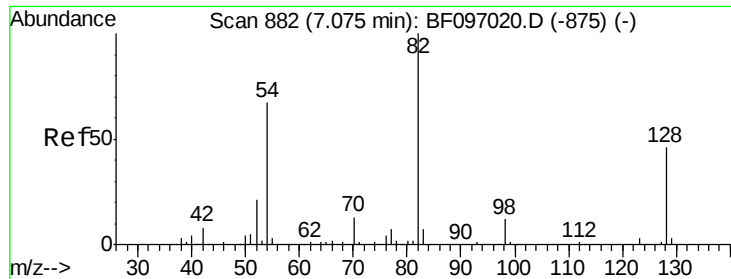
Tot Ion: 70 Resp: 57044
Ion Ratio Lower Upper
70 100
42 58.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 996
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion:136 Resp: 449737
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.3 4.9 7.3#
68 5.6 4.1 6.1

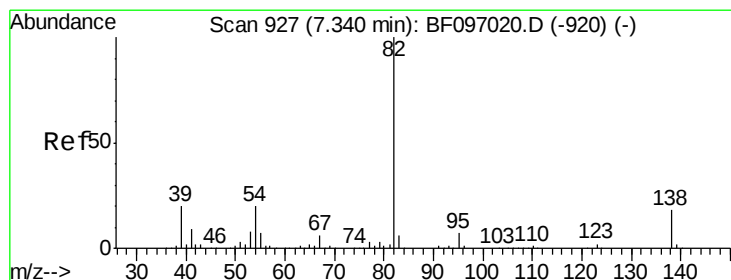
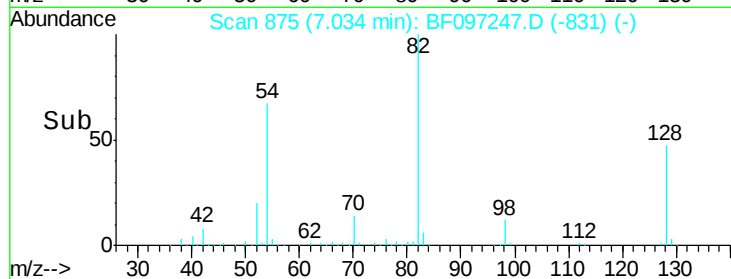
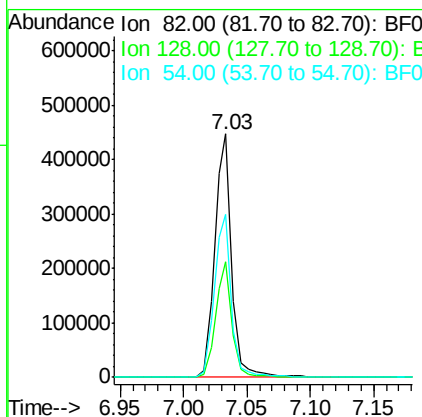
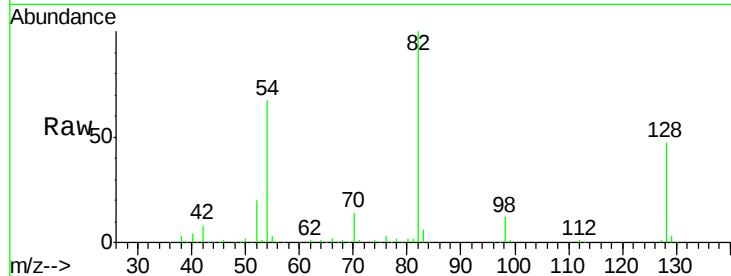




#23
 Nitrobenzene-d5
 Concen: 54.96 ng
 RT: 7.03 min Scan# 875
 Delta R.T. -0.04 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

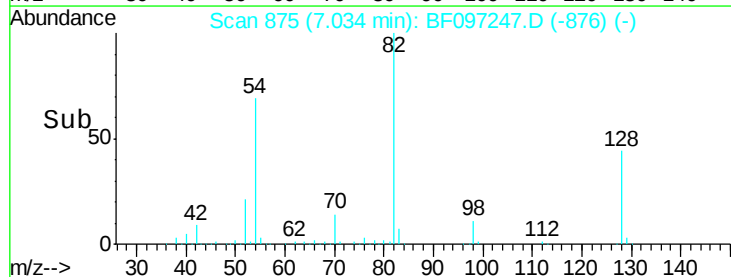
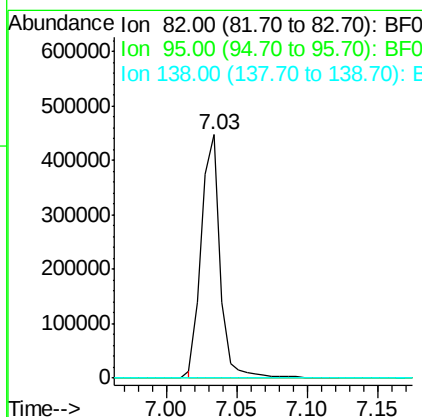
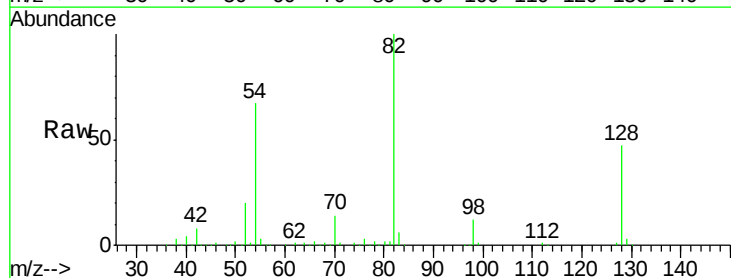
Instrument :
 BNA_F
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 SU-04-072817

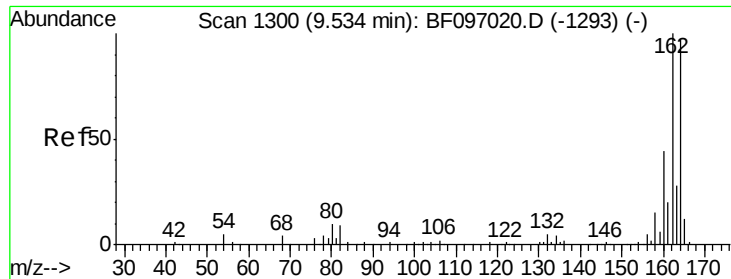
Tot Ion: 82 Resp: 421341
 Ion Ratio Lower Upper
 82 100
 128 47.4 34.0 51.0
 54 66.8 42.2 63.2#



#25
 Isophorone
 Concen: 27.37 ng
 RT: 7.03 min Scan# 875
 Delta R.T. -0.31 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Tgt Ion: 82 Resp: 410880
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

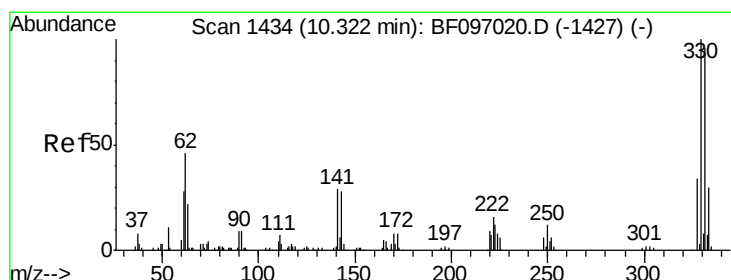
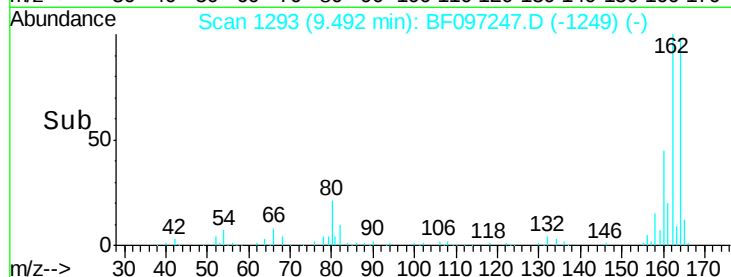
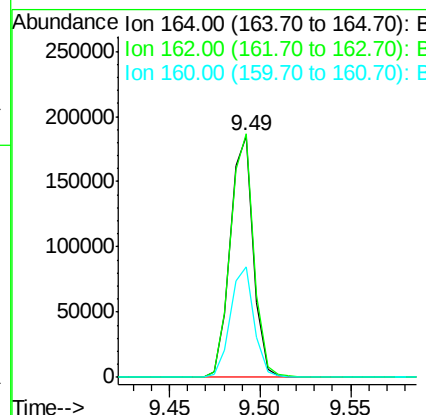
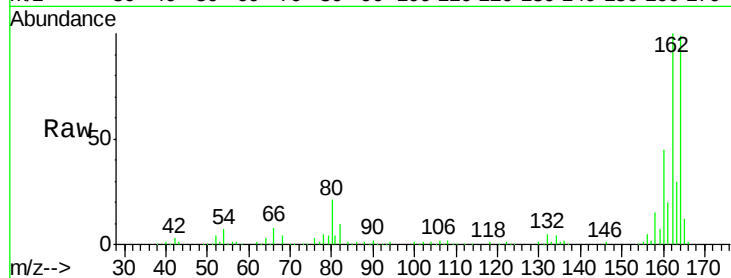




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.04 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

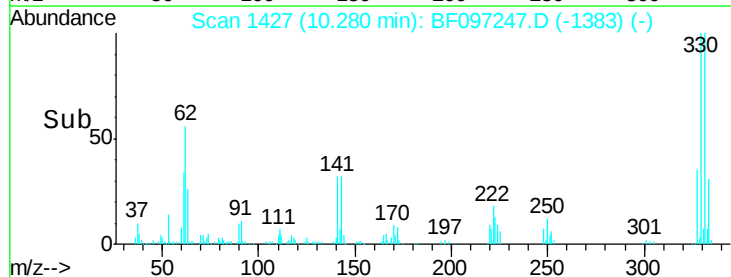
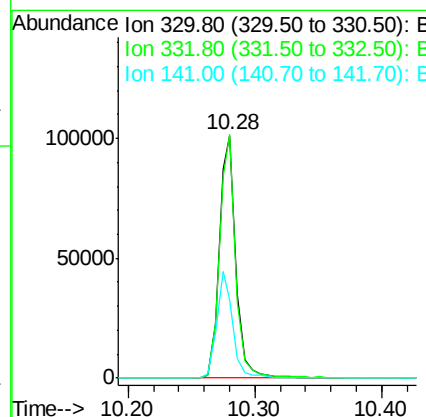
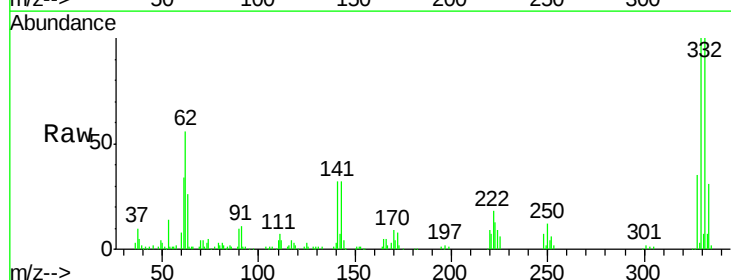
Instrument :
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 SU-04-072817

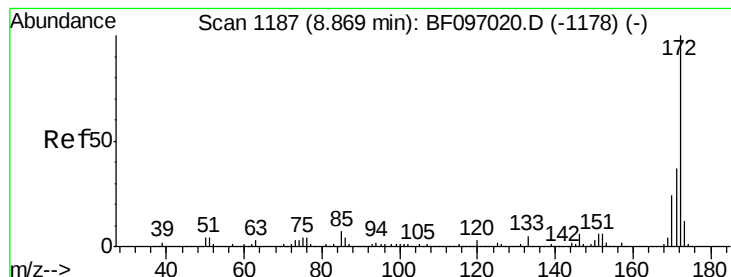
Tot Ion:164 Resp: 164409
 Ion Ratio Lower Upper
 164 100
 162 100.9 82.6 123.8
 160 45.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 72.22 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Tgt Ion:330 Resp: 93807
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 42.0 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 69.96 ng

RT: 8.83 min Scan# 1180

Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

SU-04-072817

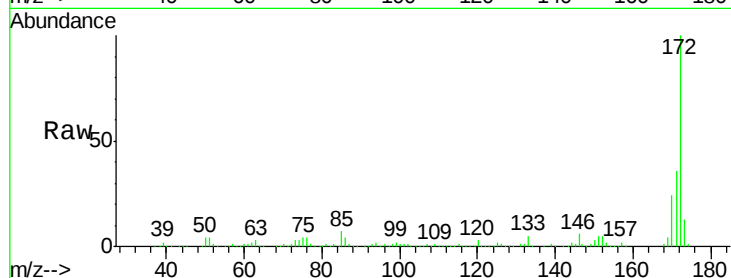
Tot Ion:172 Resp: 677704

Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

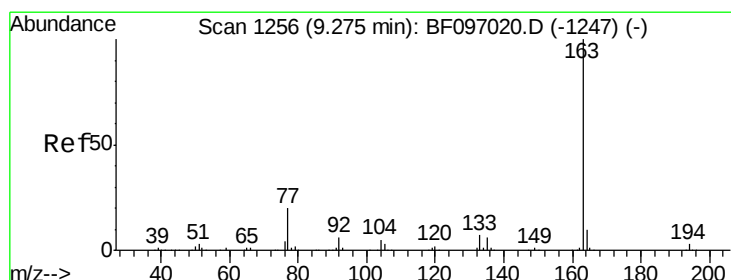
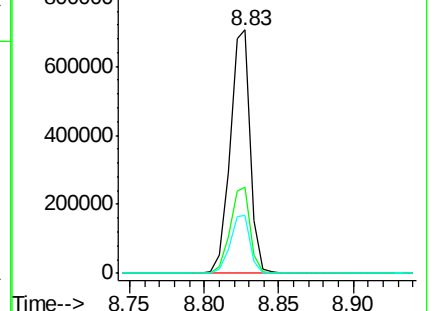
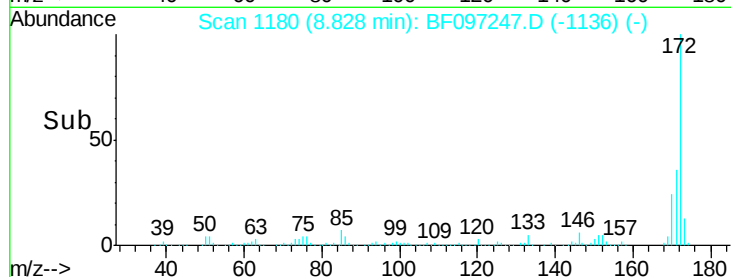
170 24.0 19.8 29.8



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: 14.06 ng

RT: 9.22 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

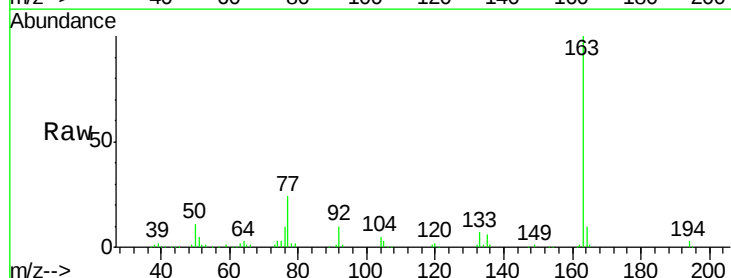
Tgt Ion:163 Resp: 175480

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

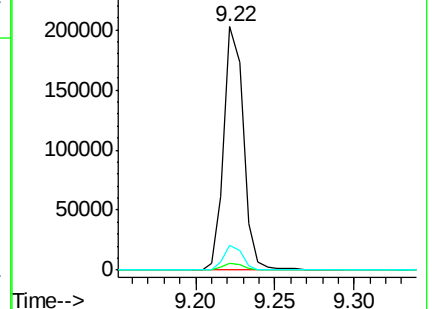
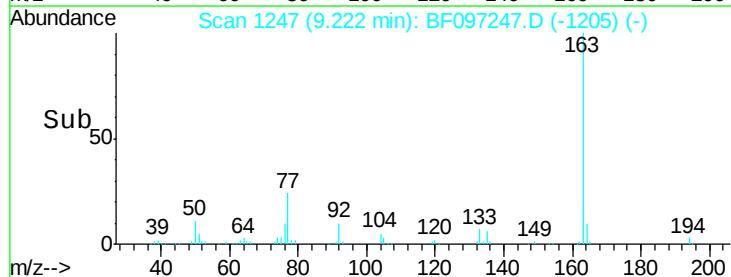
164 10.3 8.4 12.6



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

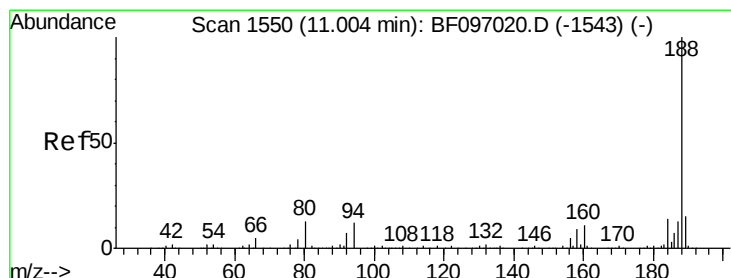
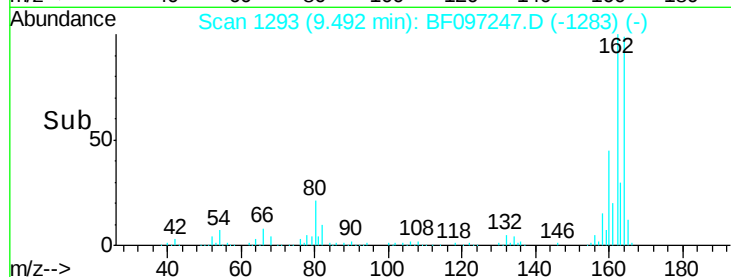
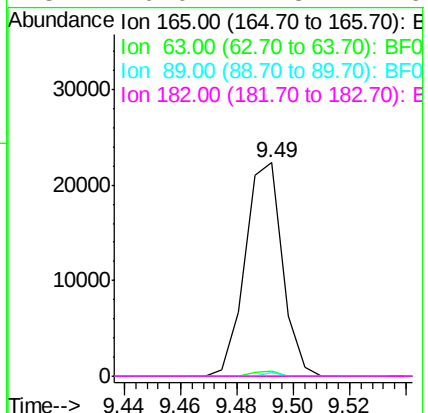
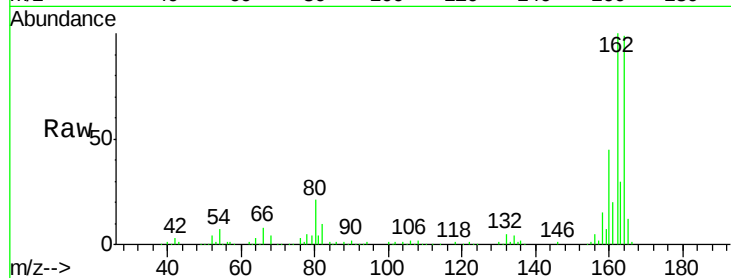




#56
 2,4-Dinitrotoluene
 Concen: 6.73 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.24 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

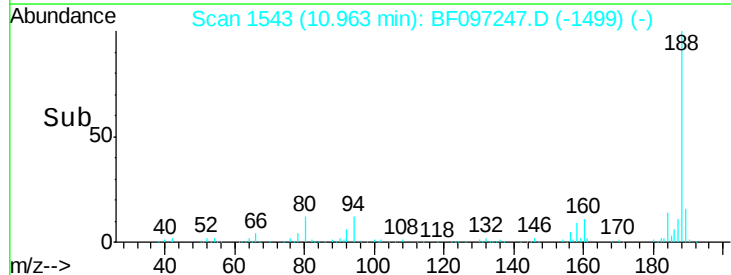
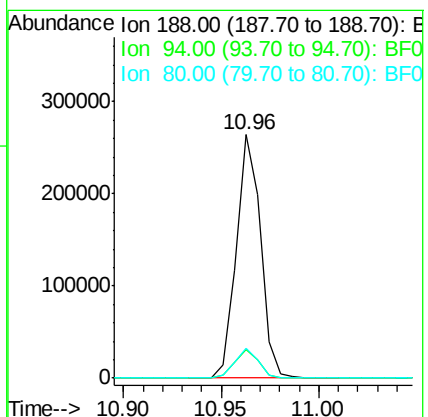
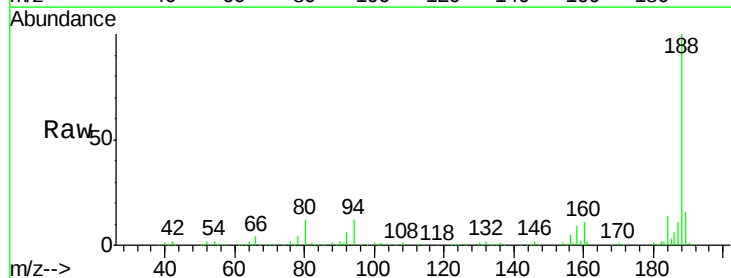
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Tot Ion:165	Resp:	20484
Ion Ratio	Lower	Upper
165	100	
63	2.2	25.4 38.0#
89	1.9	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.96 min Scan# 1543
 Delta R.T. -0.04 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Tgt Ion:188	Resp:	227685
Ion Ratio	Lower	Upper
188	100	
94	11.7	9.4 14.2
80	12.4	10.2 15.2

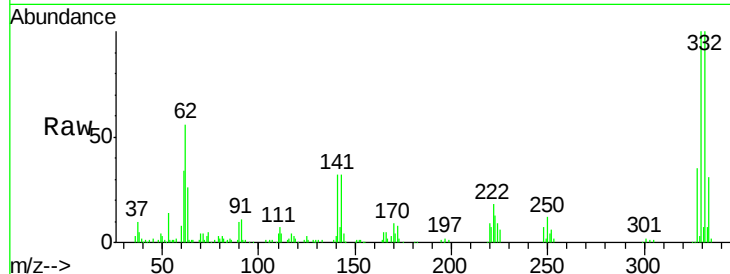




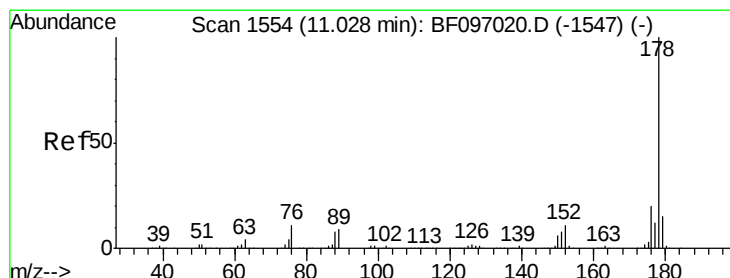
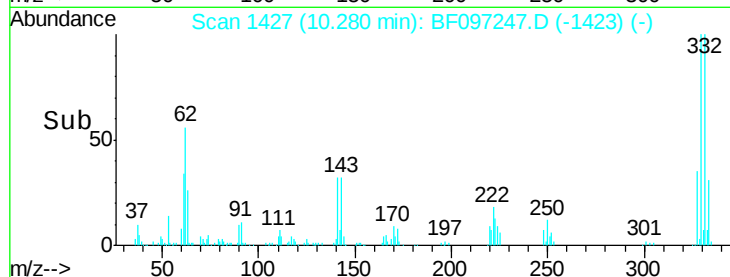
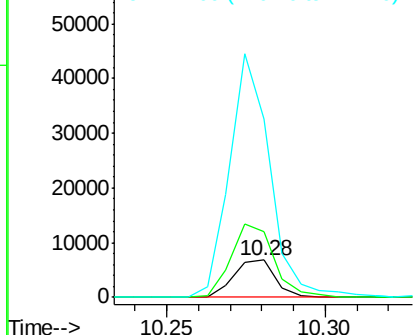
#66
 4-Bromophenyl-phenylether
 Concen: 2.70 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.28 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Tot Ion:248 Resp: 6137
 Ion Ratio Lower Upper
 248 100
 250 174.8 76.8 115.2#
 141 477.3 68.6 103.0#

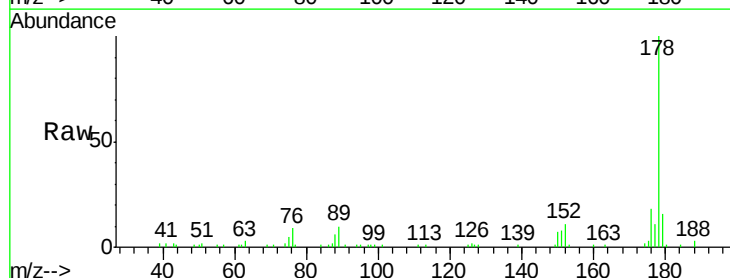


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

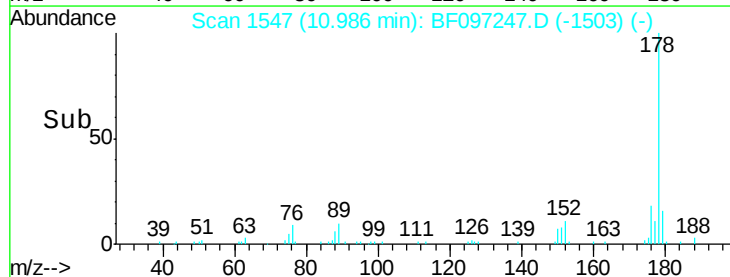
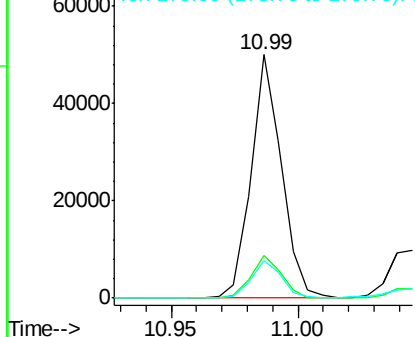


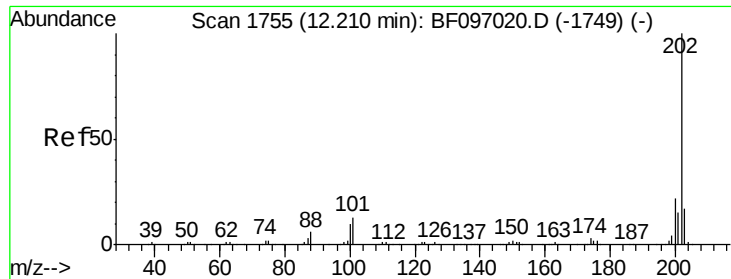
#70
 Phenanthrene
 Concen: 3.42 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.04 min
 Lab File: BF097247.D
 Acq: 1 Aug 2017 22:28

Tgt Ion:178 Resp: 41765
 Ion Ratio Lower Upper
 178 100
 176 17.8 16.2 24.4
 179 15.6 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

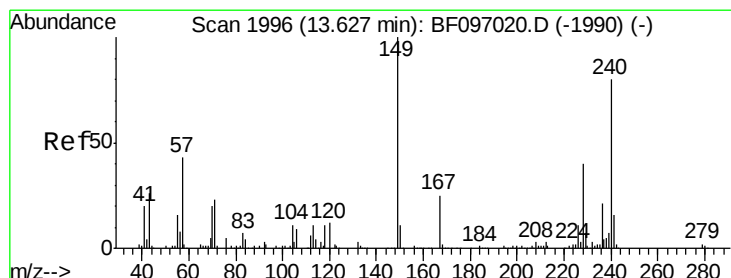
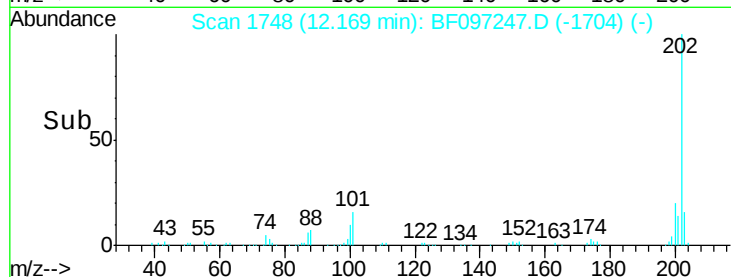
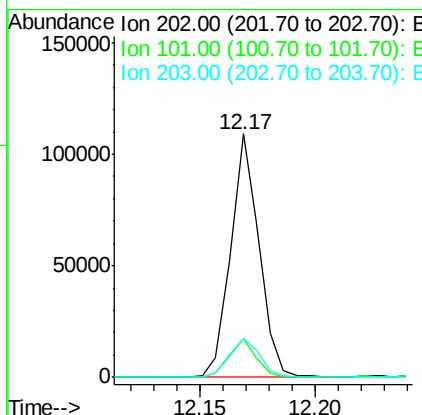
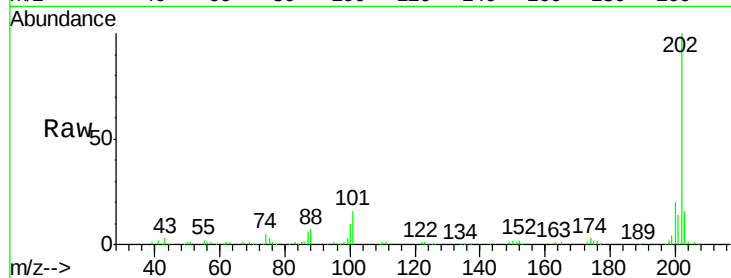




#74
Fluoranthene
Concen: 7.82 ng
RT: 12.17 min Scan# 1748
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

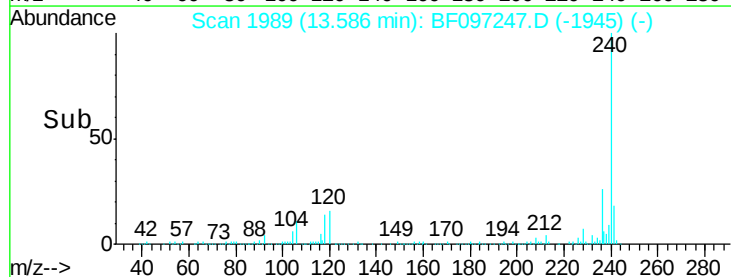
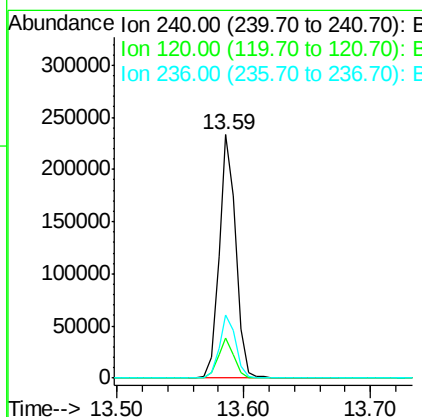
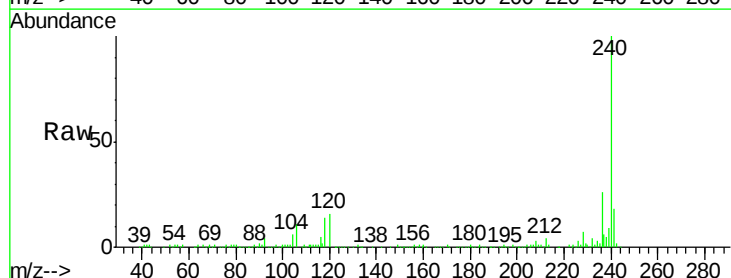
Instrument :
BNA_F
ClientSampleId :
SU-04-072817

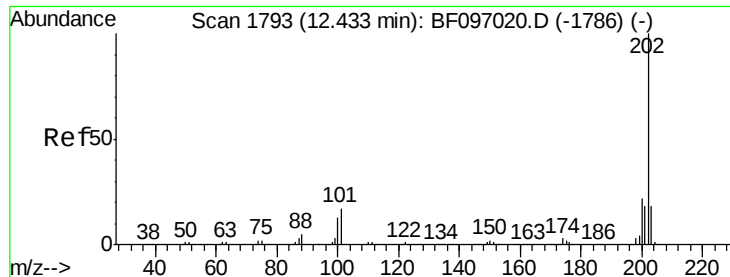
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	33.2
203	16.2	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.59 min Scan# 1989
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.4	5.8	8.8#
236	26.0	20.5	30.7

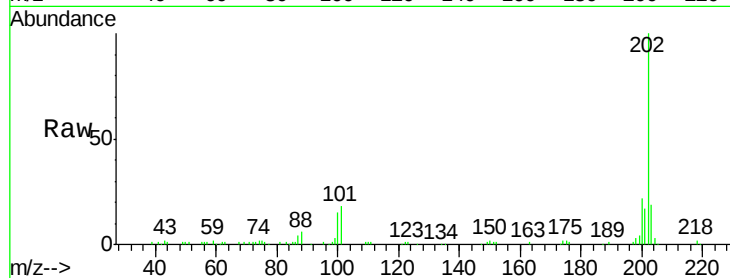




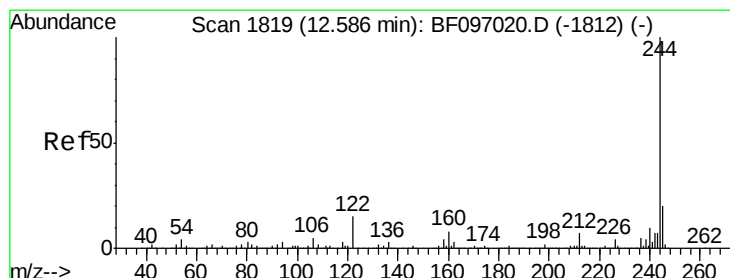
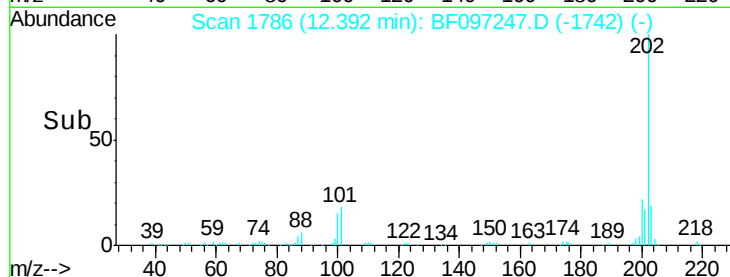
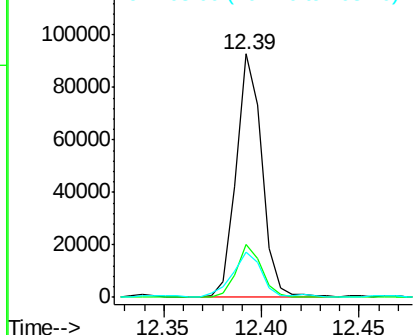
#77
Pvrene
Concen: 4.86 ng
RT: 12.39 min Scan# 1786
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.8	14.4	21.6

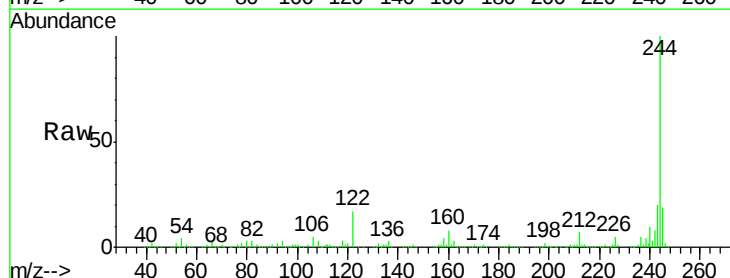


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

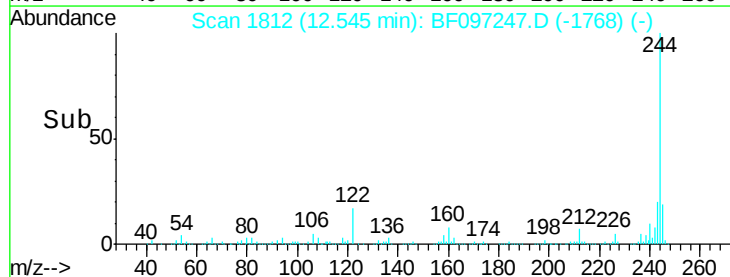
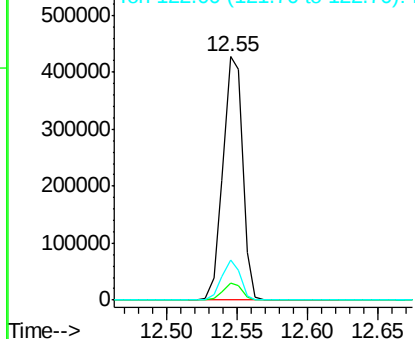


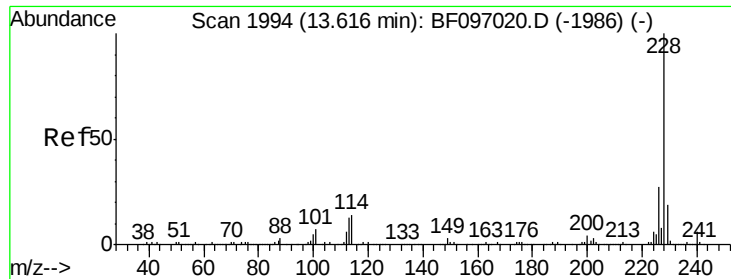
#78
Terphenyl-d14
Concen: 39.74 ng
RT: 12.55 min Scan# 1812
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	16.7	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

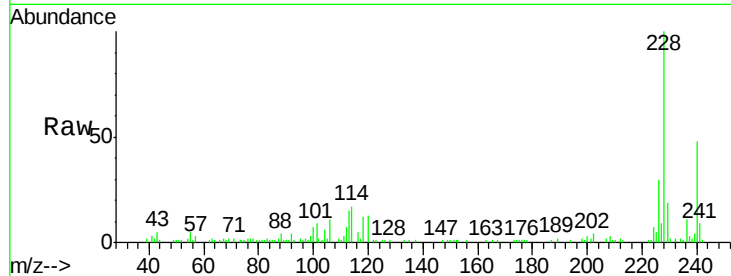




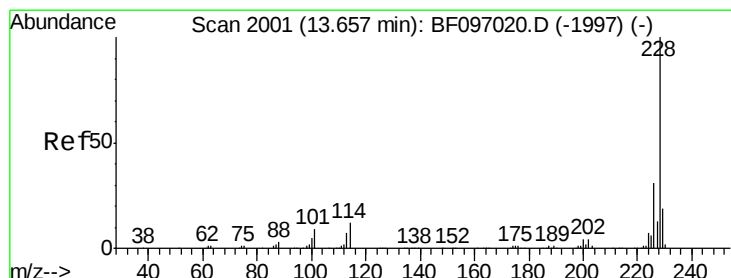
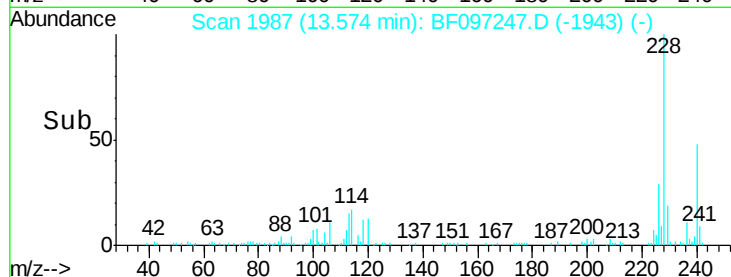
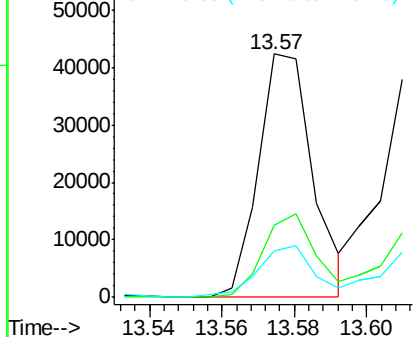
#80
Benzo(a)anthracene
Concen: 3.20 ng
RT: 13.57 min Scan# 1987
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Instrument :
BNA_F
ClientSampleId :
SU-04-072817

Tot Ion:228 Resp: 44210
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 19.3 16.3 24.5

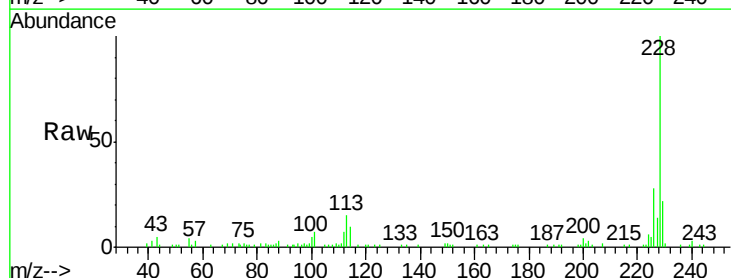


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

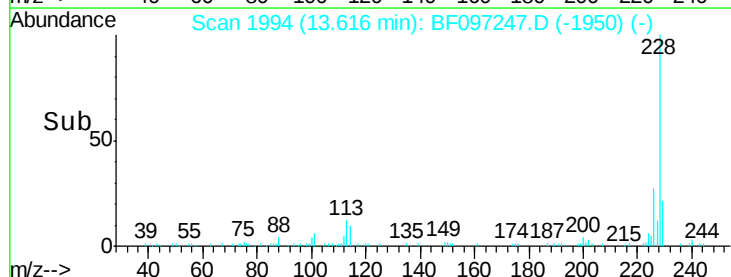
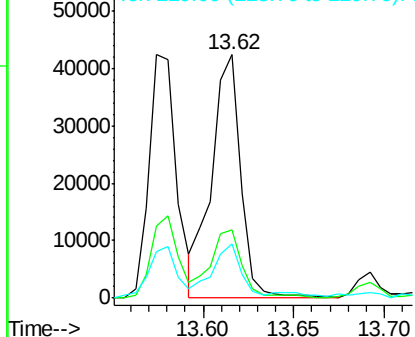


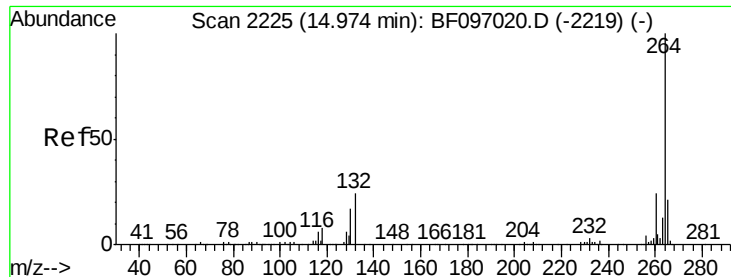
#82
Chrysene
Concen: 3.53 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion:228 Resp: 47607
Ion Ratio Lower Upper
228 100
226 27.9 24.9 37.3
229 22.3 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

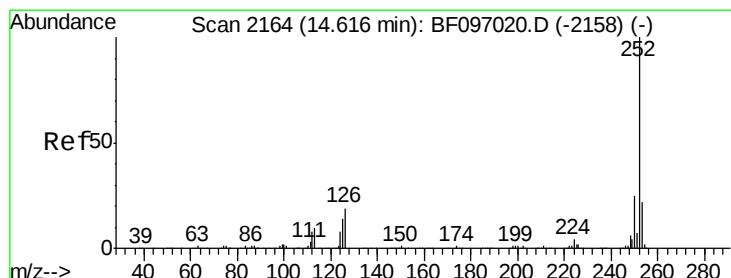
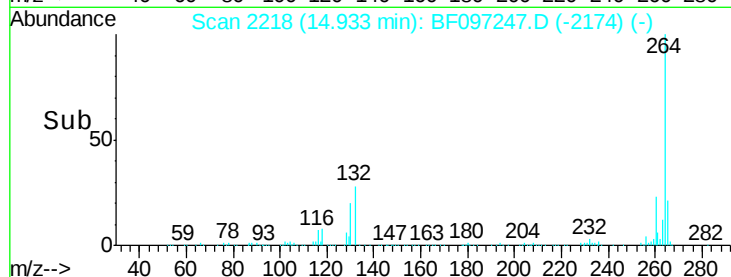
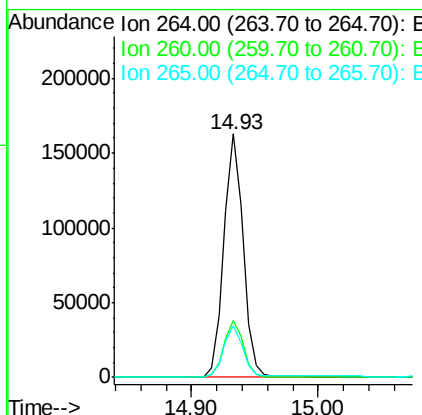
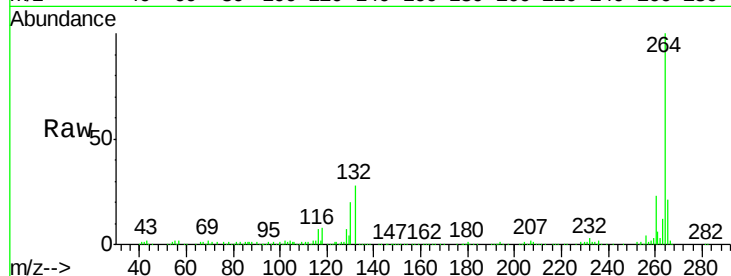




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

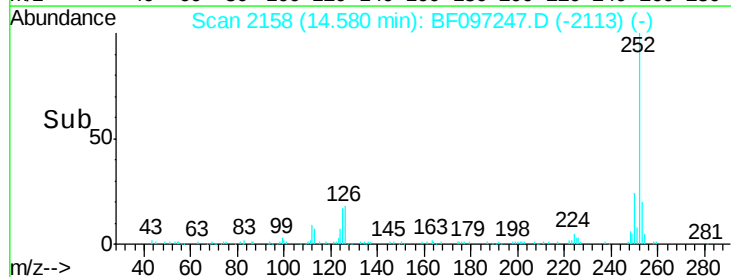
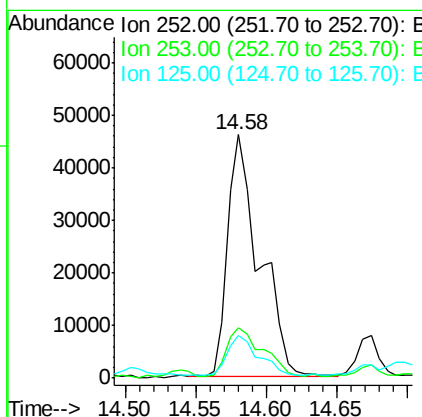
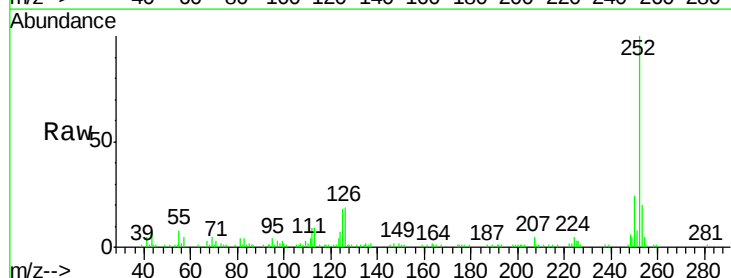
Instrument :
BNA_F
ClientSampleId :
SU-04-072817

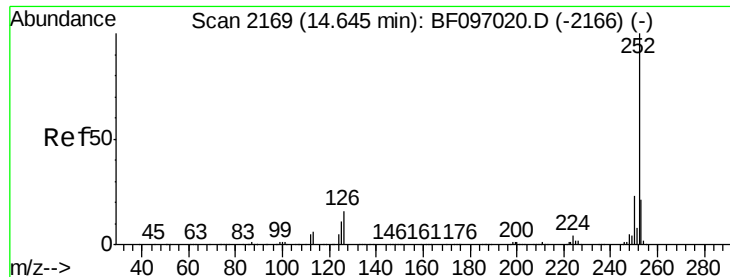
Tot Ion:264 Resp: 173915
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.92 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF097247.D
Acq: 1 Aug 2017 22:28

Tgt Ion:252 Resp: 72312
Ion Ratio Lower Upper
252 100
253 20.5 18.1 27.1
125 17.7 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 7.26 ng

RT: 14.58 min Scan# 2158

Delta R.T. -0.06 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

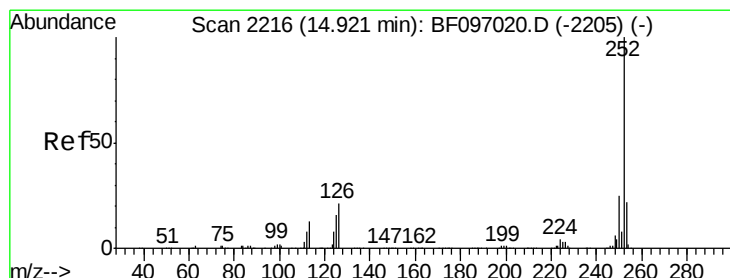
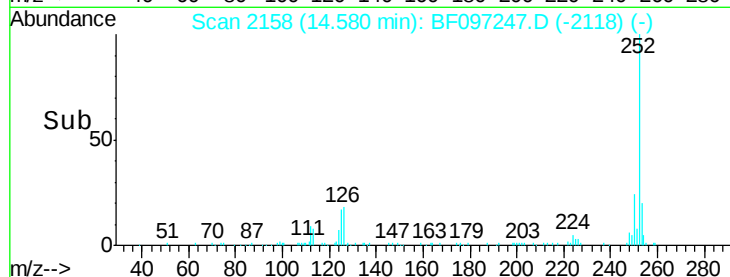
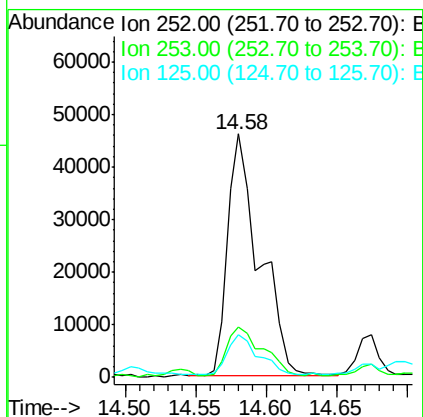
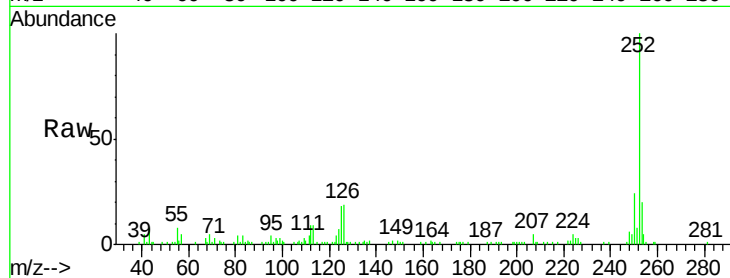
Instrument :

BNA_F

ClientSampleId :

SU-04-072817

Tot Ion:252	Resp:	72312
Ion Ratio	Lower	Upper
252	100	
253	20.5	18.4 27.6
125	17.7	13.1 19.7



#89

Benzo(a)pyrene

Concen: 3.85 ng

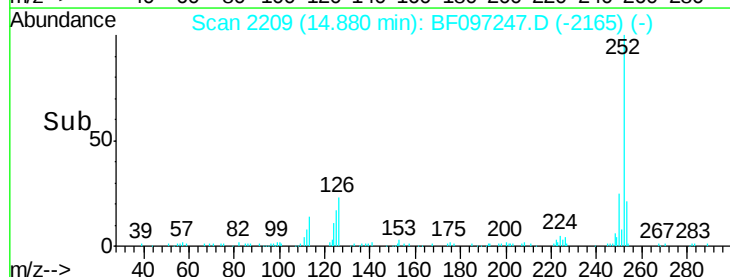
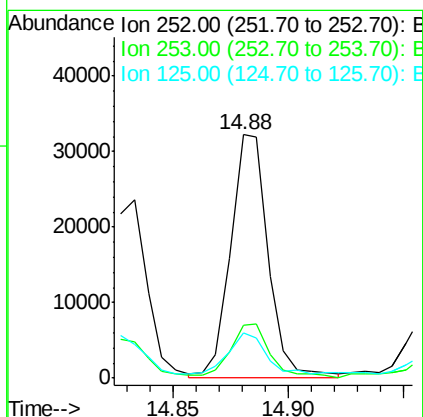
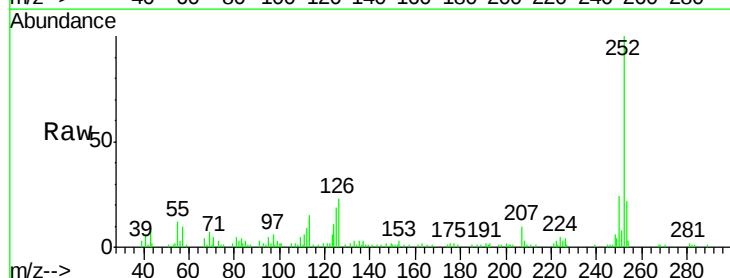
RT: 14.88 min Scan# 2209

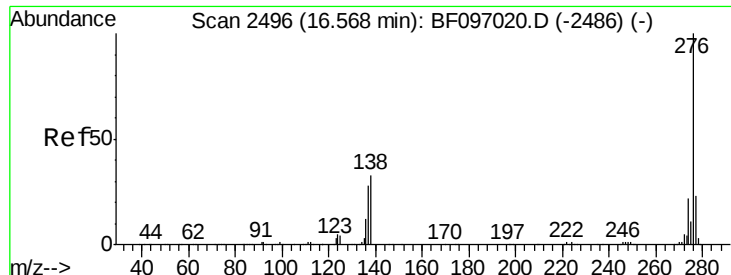
Delta R.T. -0.04 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Tgt Ion:252	Resp:	36854
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.5 26.3
125	18.8	11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.05 ng

RT: 16.51 min Scan# 2486

Delta R.T. -0.06 min

Lab File: BF097247.D

Acq: 1 Aug 2017 22:28

Instrument :

BNA_F

ClientSampleId :

SU-04-072817

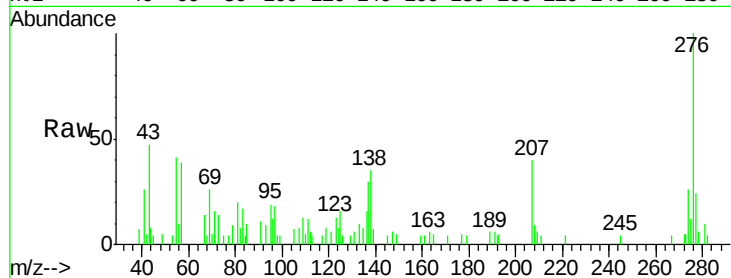
Tot Ion: 276 Resp: 16885

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 34.9 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

