

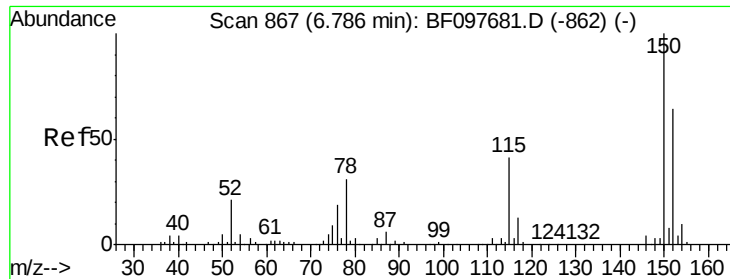
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097914.D
 Acq On : 21 Aug 2017 19:23
 Operator : SJ/JU
 Sample : I4847-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

Quant Time: Aug 22 03:59:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	124039	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	490859	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	208691	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	354027	20.00	ng	0.00
75) Chrysene-d12	13.89	240	256898	20.00	ng	0.00
86) Perylene-d12	15.32	264	216217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	799074	97.99	ng	0.00
7) Phenol-d6	6.39	99	1107067	99.92	ng	0.00
23) Nitrobenzene-d5	7.31	82	695238	76.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	174359	96.29	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	888128	62.53	ng	0.00
78) Terphenyl-d14	12.85	244	574109	46.60	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	91993	12.13	ng	# 72
25) Isophorone	7.31	82	677264	36.05	ng	# 67
32) Benzoic acid	7.82	122	494	6.48	ng	# 20
49) Dimethylphthalate	9.50	163	133223	8.73	ng	99
53) 2,4-Dinitrophenol	10.07	184	125	10.22	ng	# 4
64) 4,6-Dinitro-2-methylphenol	10.57	198	524	8.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	11409	3.10	ng	# 1
70) Phenanthrene	11.29	178	262561	13.92	ng	99
71) Anthracene	11.34	178	71486	3.74	ng	99
74) Fluoranthene	12.47	202	335581	17.04	ng	98
77) Pyrene	12.70	202	313806	14.94	ng	98
80) Benzo(a)anthracene	13.89	228	138689	9.01	ng	97
82) Chrysene	13.92	228	136412	8.91	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	21870	2.45	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.69	276	45256	4.02	ng	# 91
87) Benzo(b)fluoranthene	14.91	252	184242	13.52	ng	97
88) Benzo(k)fluoranthene	14.91	252	184242	14.39	ng	96
89) Benzo(a)pyrene	15.25	252	96437	7.99	ng	95
91) Benzo(a,h,i)perylene	17.10	276	44072	4.30	ng	92

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

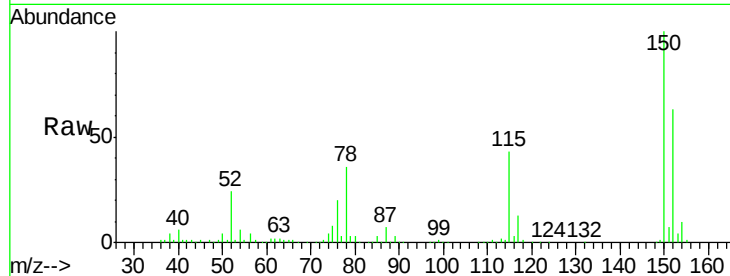


#1

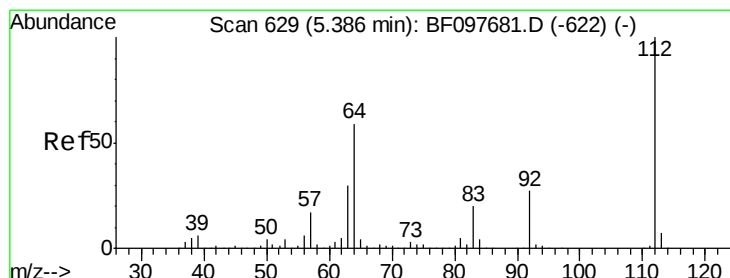
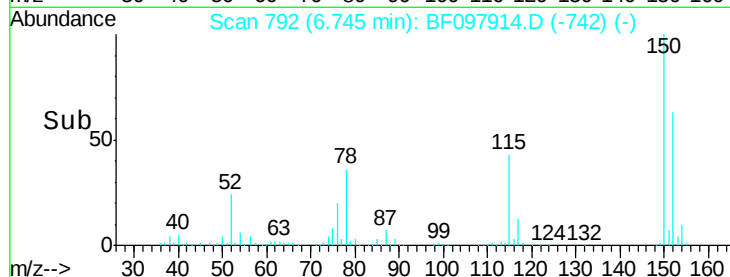
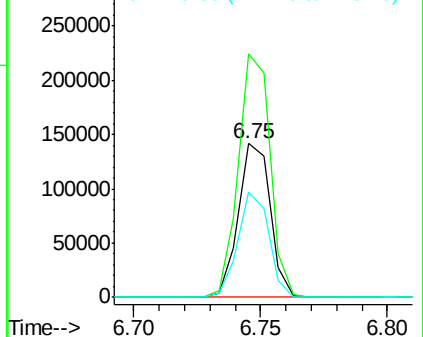
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	68.7	52.2	78.2



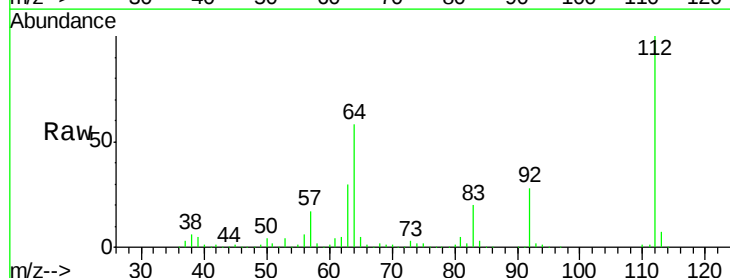
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



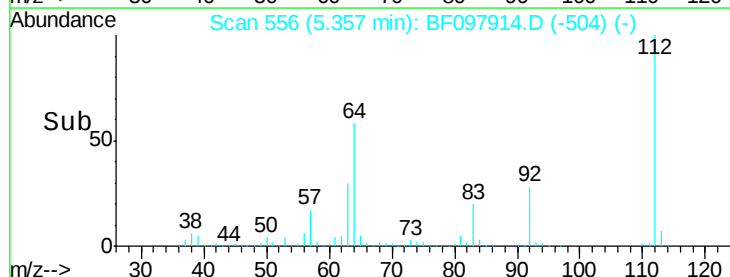
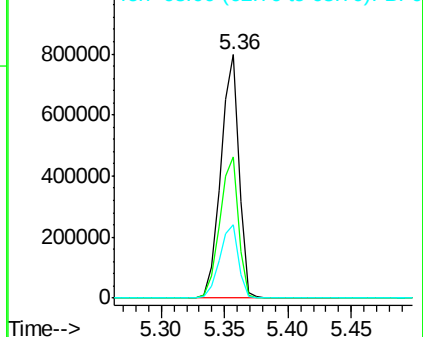
#5

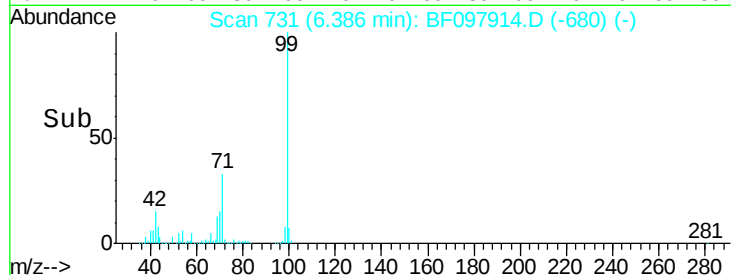
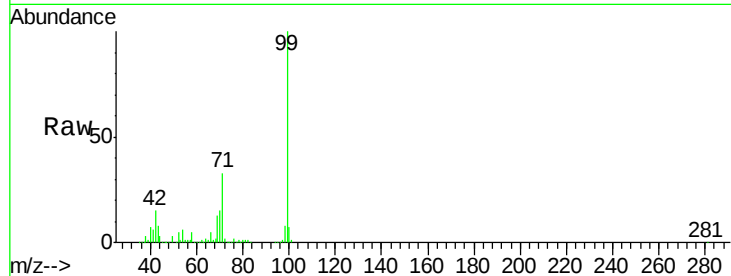
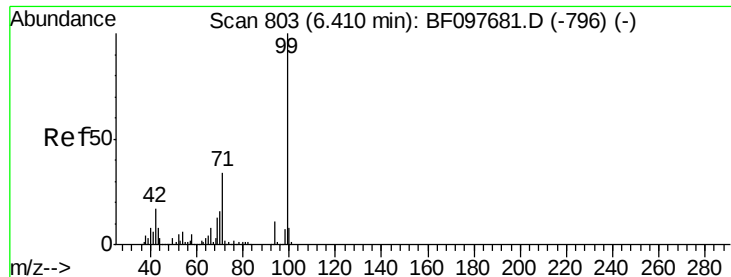
2-Fluorophenol
Concen: 97.99 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.0	69.0
63	30.1	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.92 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

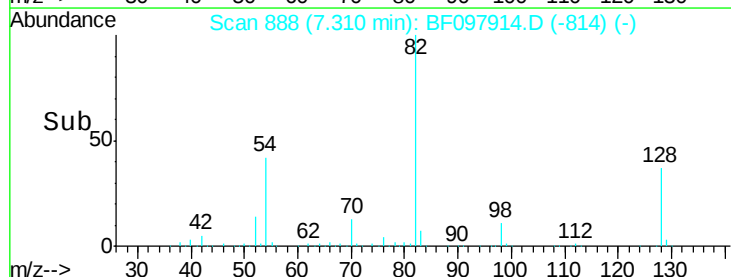
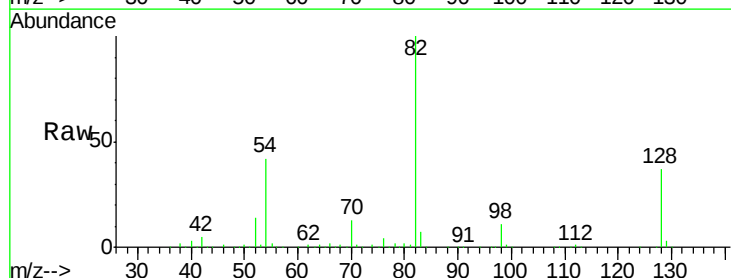
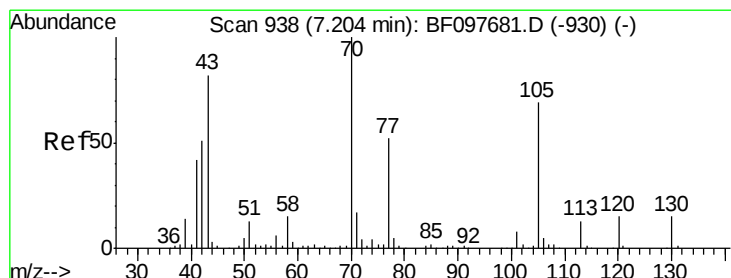
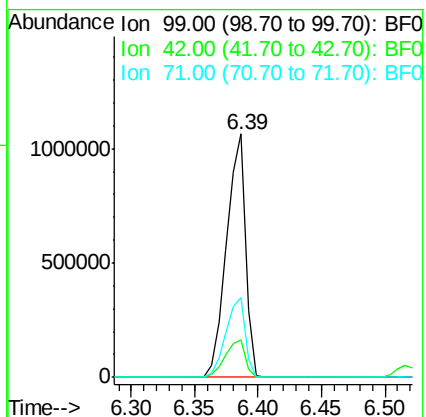
Tot Ion: 99 Resp: 1107067

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

71 32.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.13 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Tgt Ion: 70 Resp: 91993

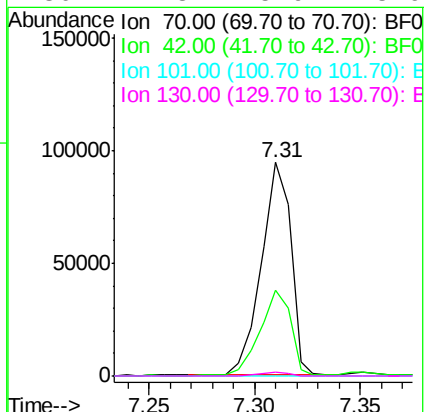
Ion Ratio Lower Upper

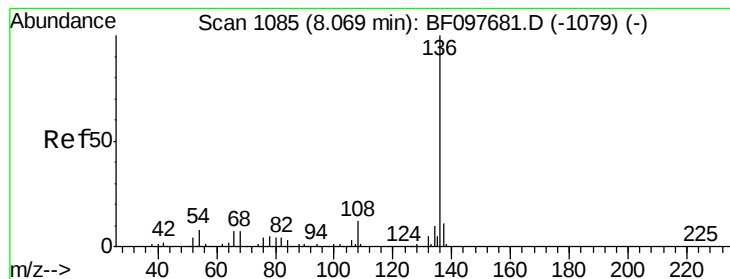
70 100

42 40.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

Tot Ion:136 Resp: 490859

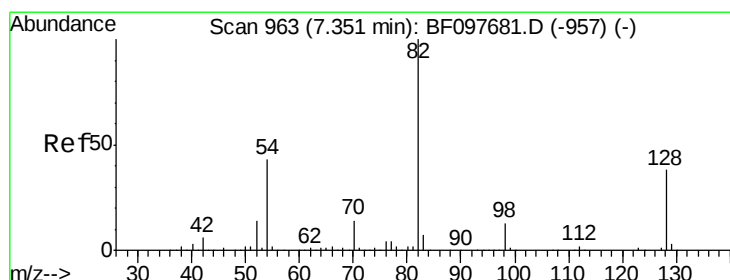
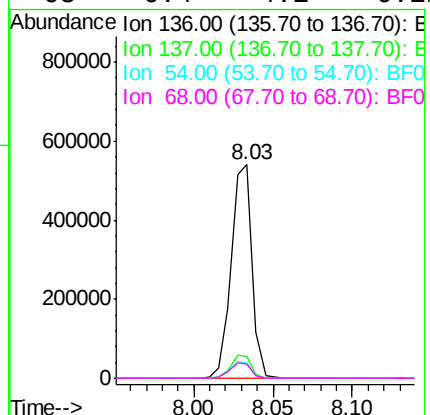
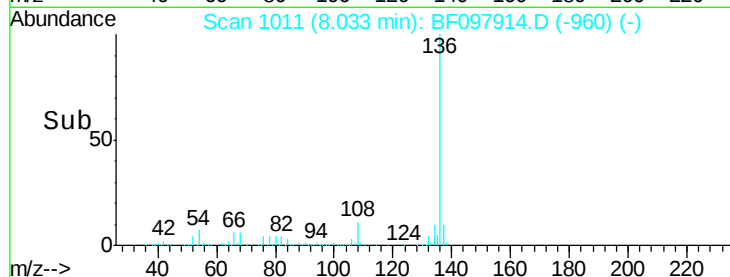
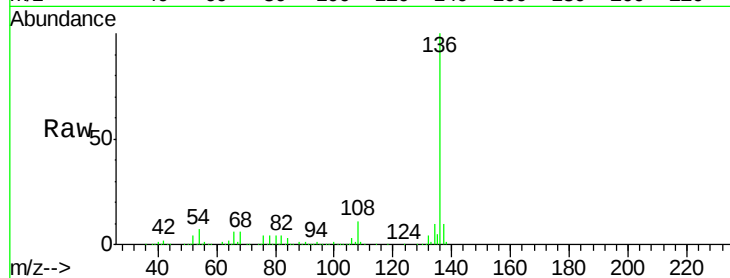
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.9 4.9 7.3

68 6.4 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 76.94 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

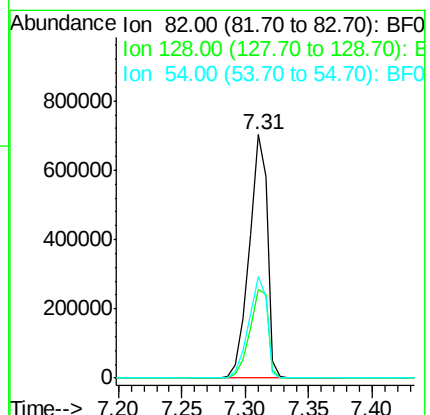
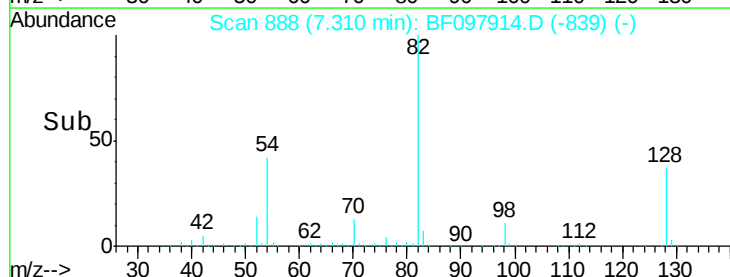
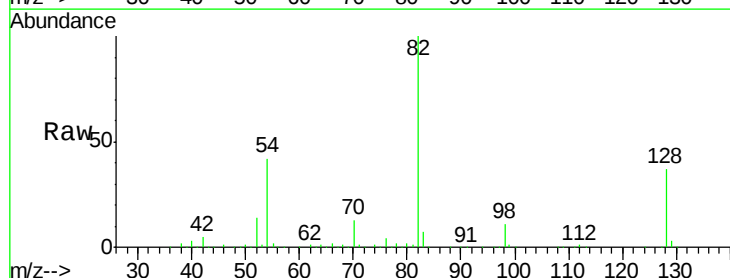
Tgt Ion: 82 Resp: 695238

Ion Ratio Lower Upper

82 100

128 36.7 34.0 51.0

54 41.5 42.2 63.2#





#25

Isophorone

Concen: 36.05 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

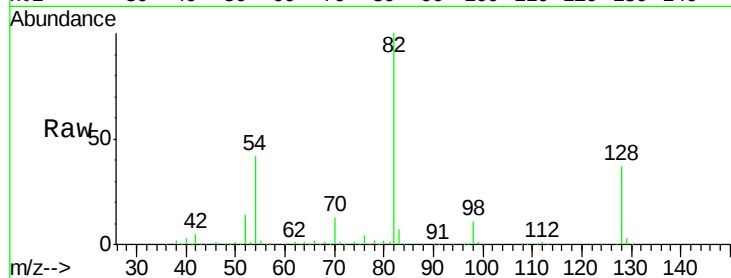
Tot Ion: 82 Resp: 677264

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

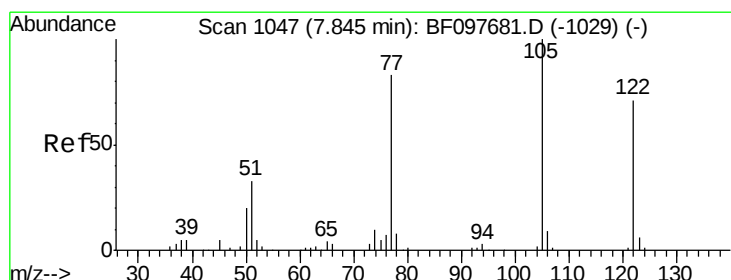
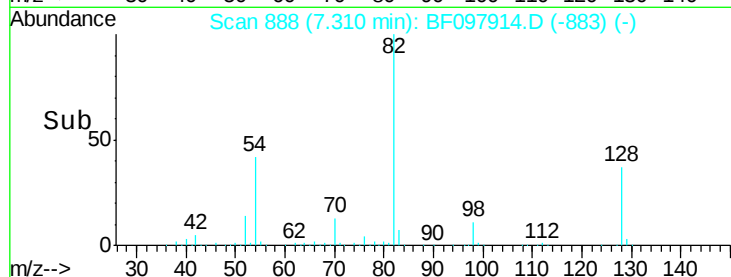
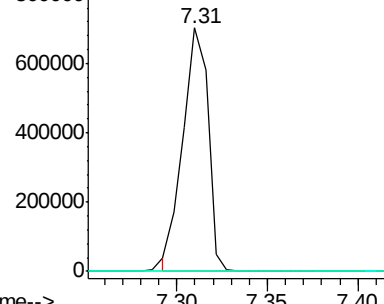
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 6.48 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.02 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

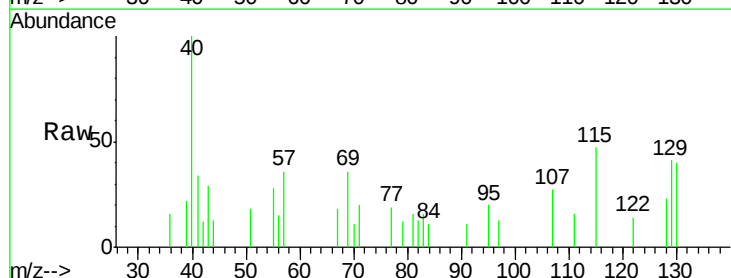
Tgt Ion: 122 Resp: 494

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

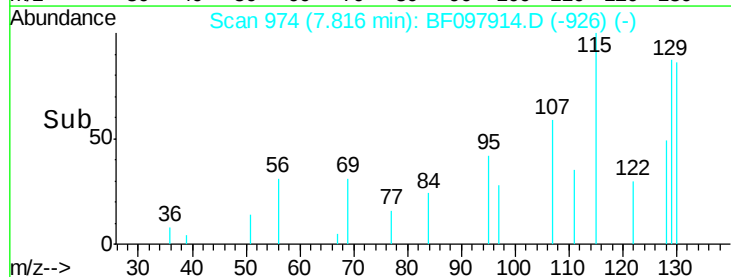
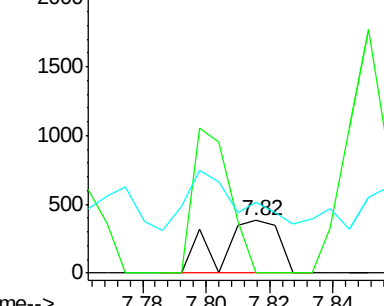
77 133.6 73.7 113.7#

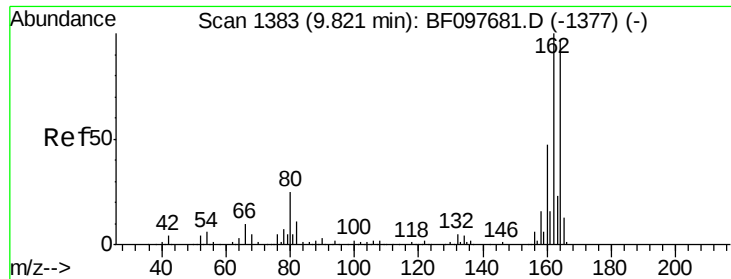


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

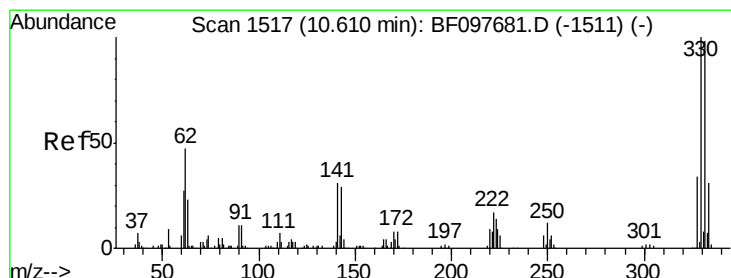
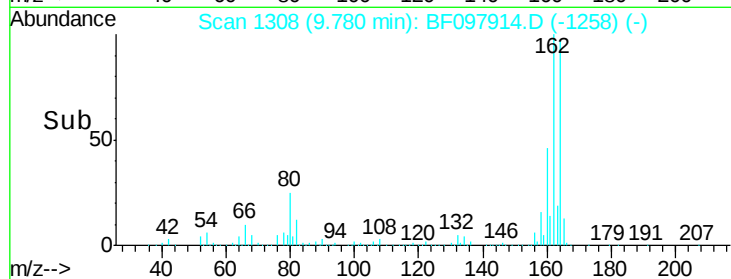
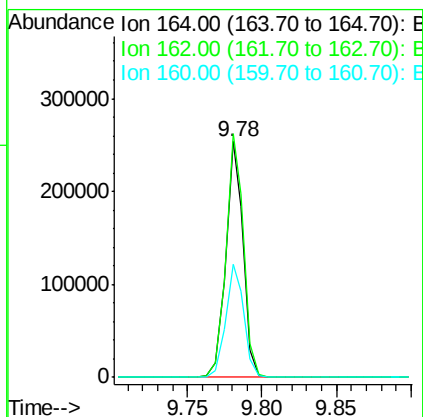
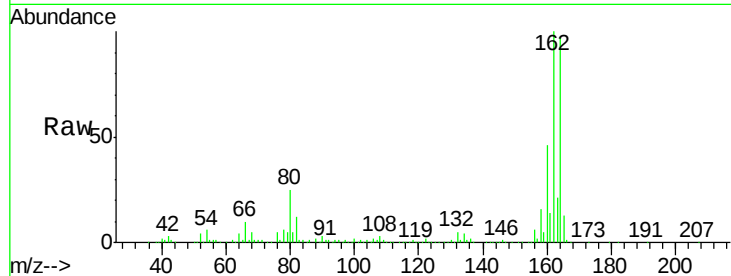




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

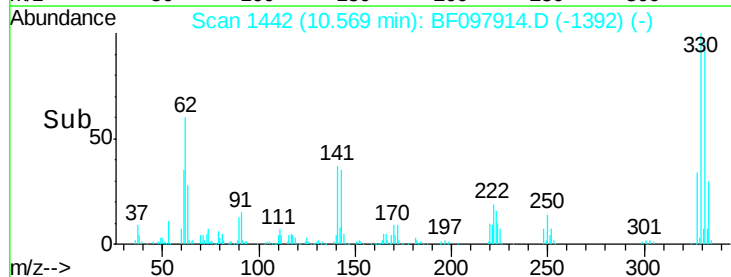
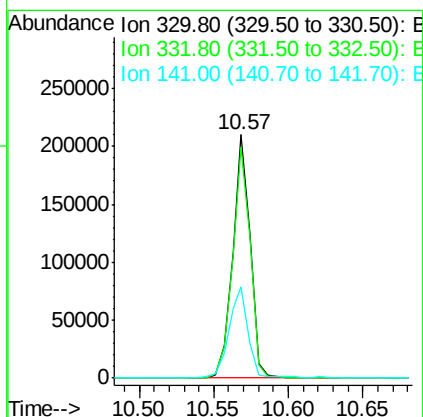
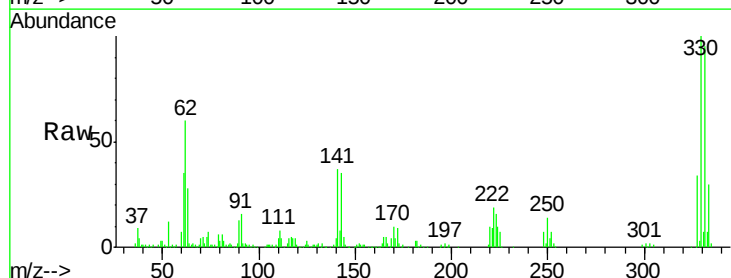
Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

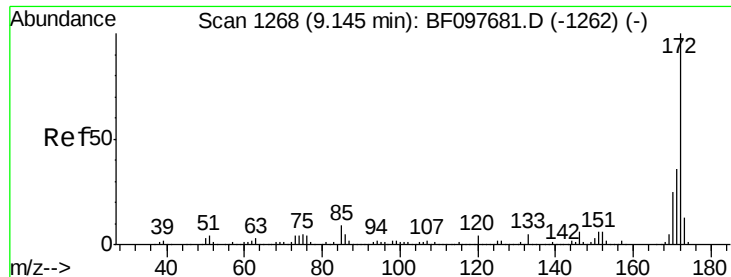
Tot Ion:164 Resp: 208691
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 48.0 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 96.29 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Tgt Ion:330 Resp: 174359
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 40.7 31.4 47.2

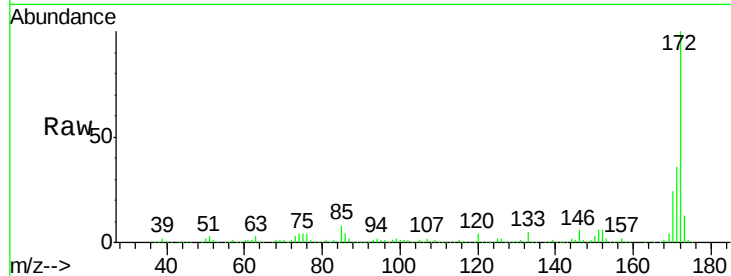




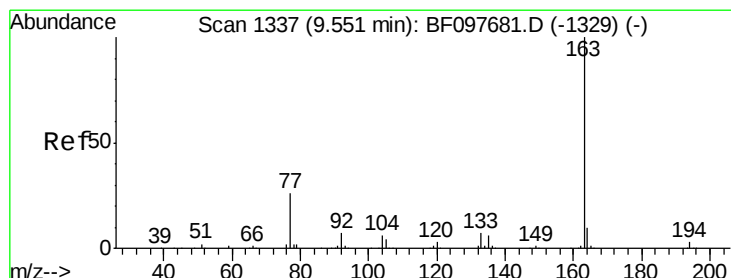
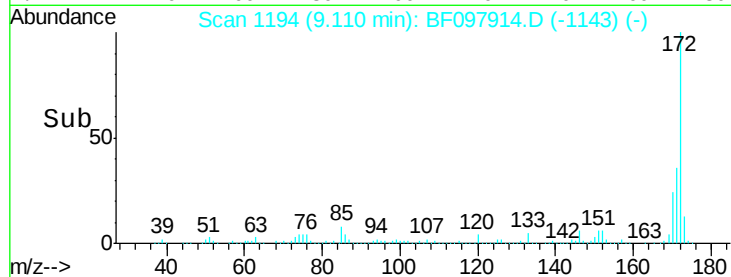
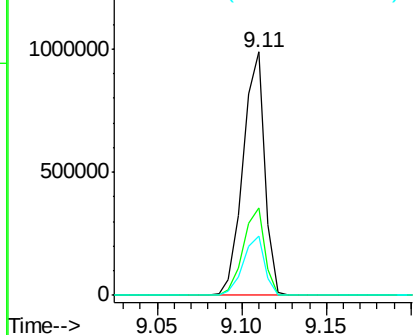
#44
2-Fluorobiphenyl
Concen: 62.53 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion:172 Resp: 888128
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 24.2 19.8 29.8

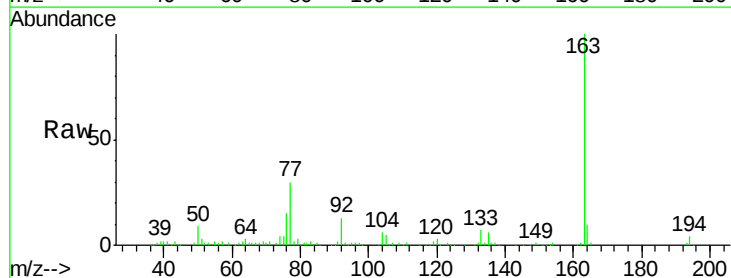


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

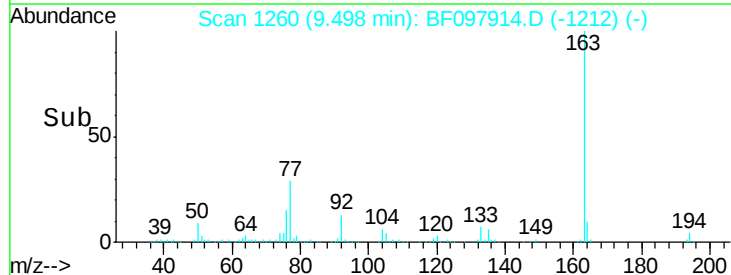
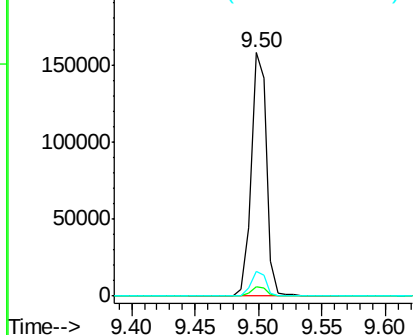


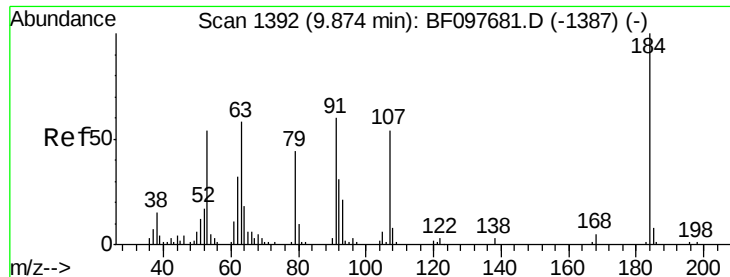
#49
Dimethylphthalate
Concen: 8.73 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion:163 Resp: 133223
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.2 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

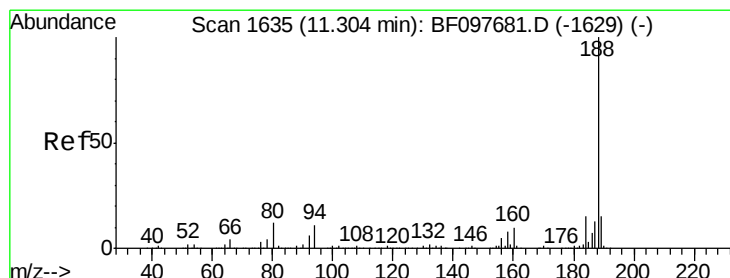
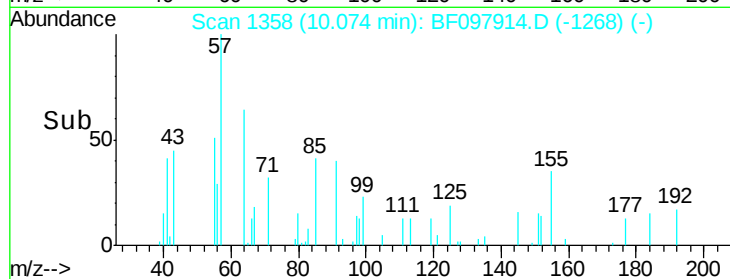
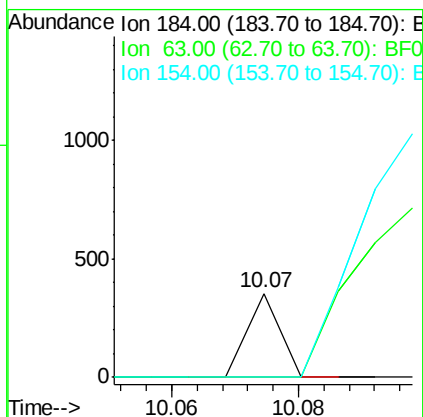
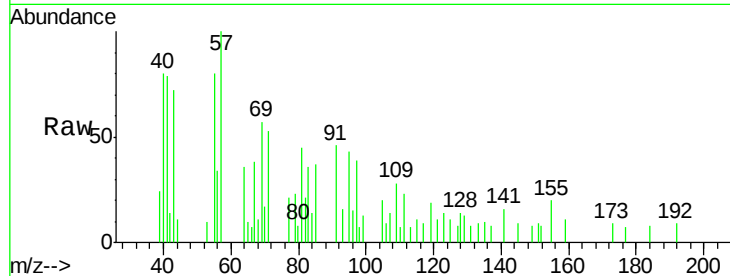




#53
2,4-Dinitrophenol
Concen: 10.22 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.23 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

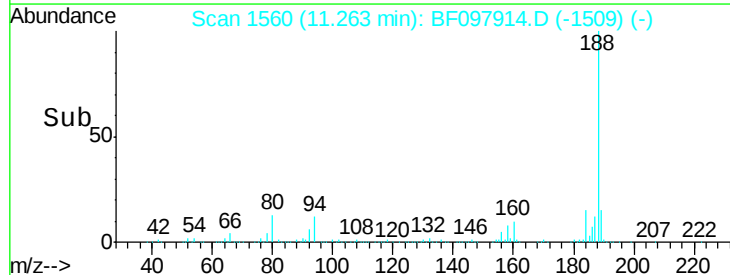
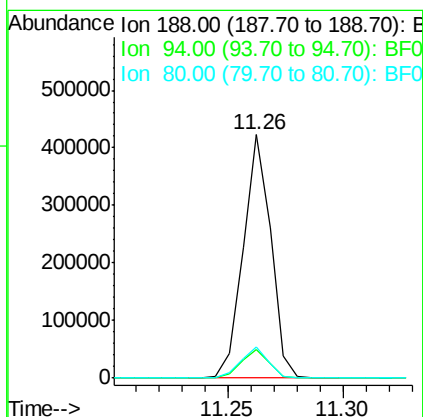
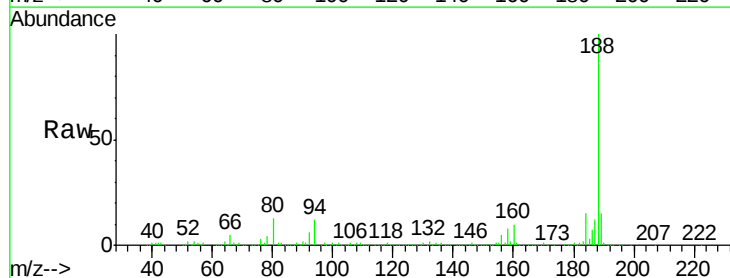
Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

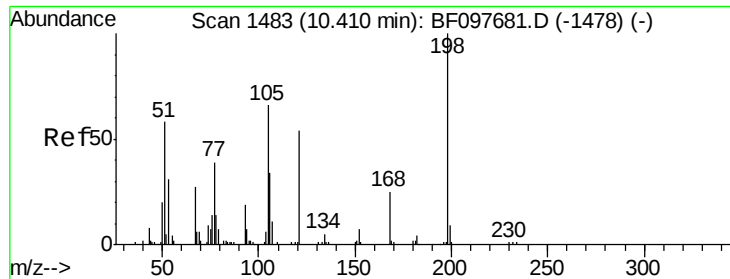
Tot Ion:184 Resp: 125
Ion Ratio Lower Upper
184 100
63 0.0 62.7 94.1#
154 0.0 81.1 121.7#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion:188 Resp: 354027
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 12.6 10.2 15.2

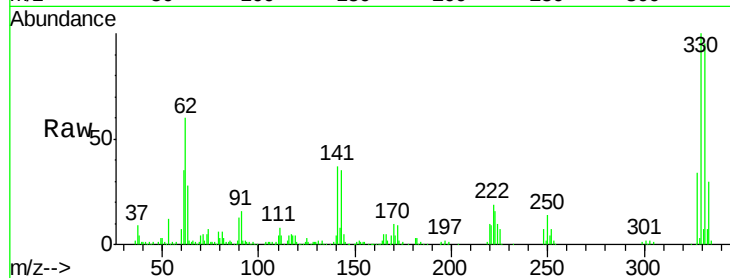




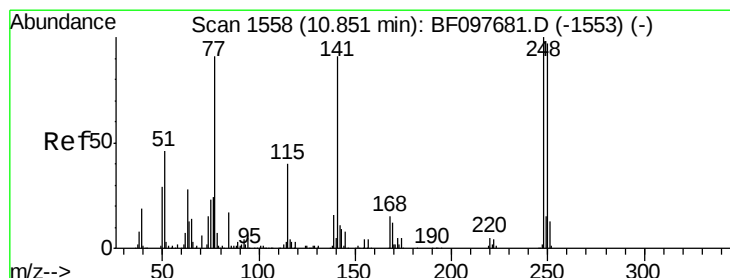
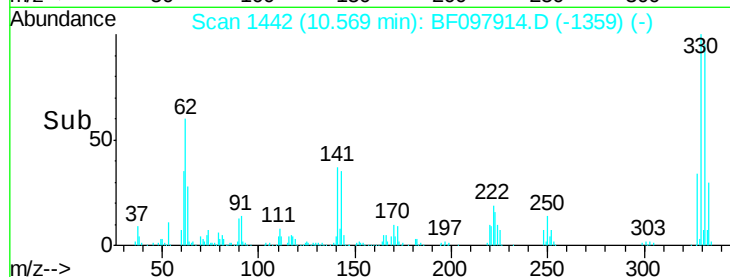
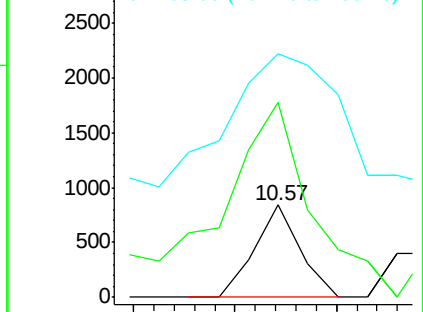
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.58 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.19 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

Tot Ion:198 Resp: 524
 Ion Ratio Lower Upper
 198 100
 51 212.5 53.2 93.2#
 105 264.6 45.8 85.8#

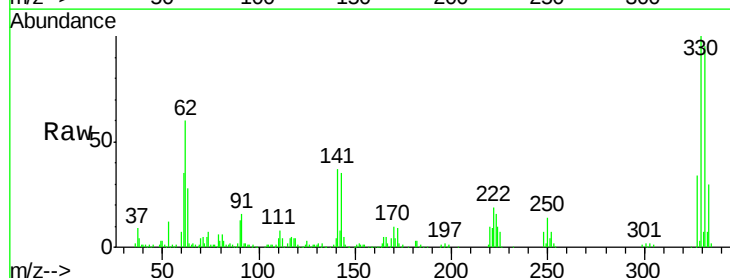


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

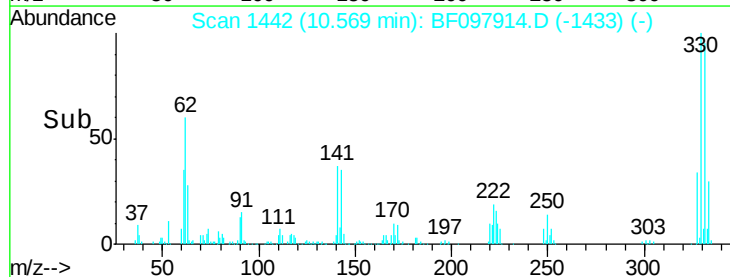
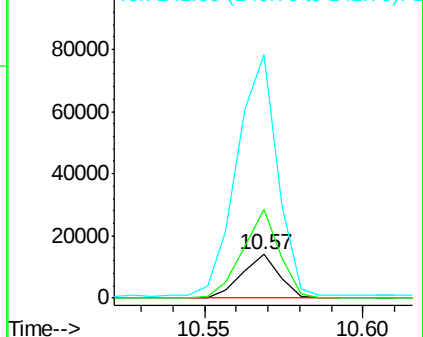


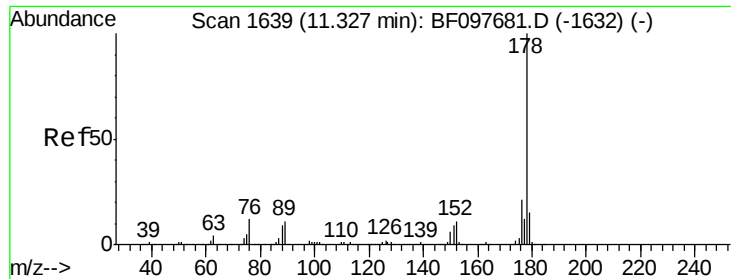
#66
 4-Bromophenyl-phenylether
 Concen: 3.10 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Tgt Ion:248 Resp: 11409
 Ion Ratio Lower Upper
 248 100
 250 201.9 76.8 115.2#
 141 557.0 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: 13.92 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

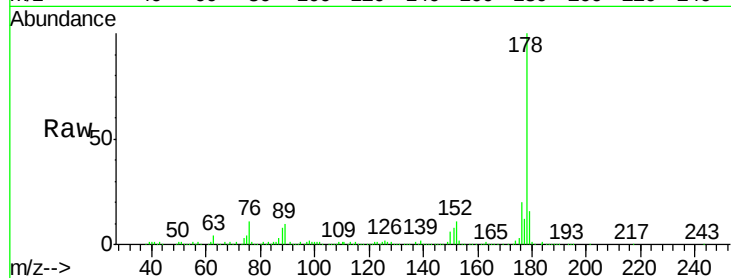
Tot Ion:178 Resp: 262561

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

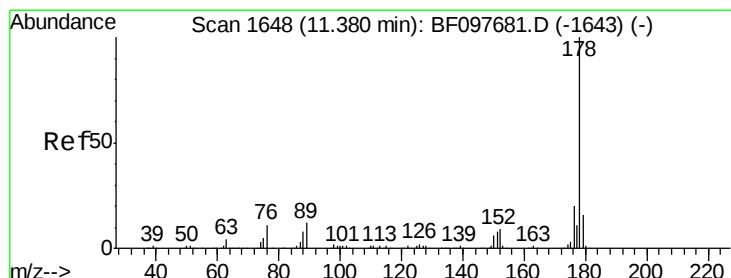
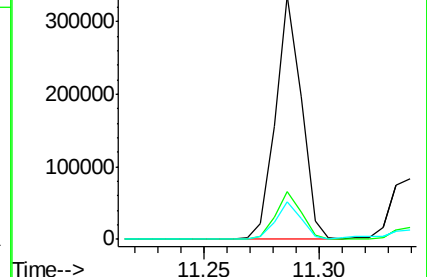
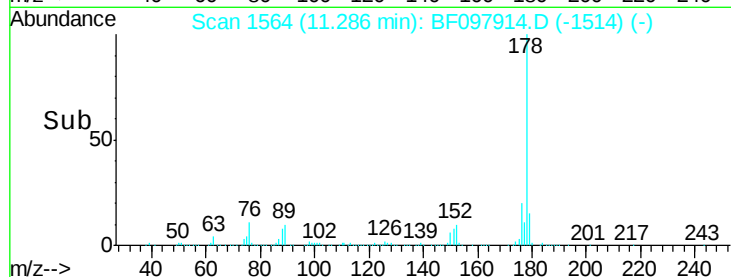
179 15.5 12.6 19.0



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



#71

Anthracene

Concen: 3.74 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

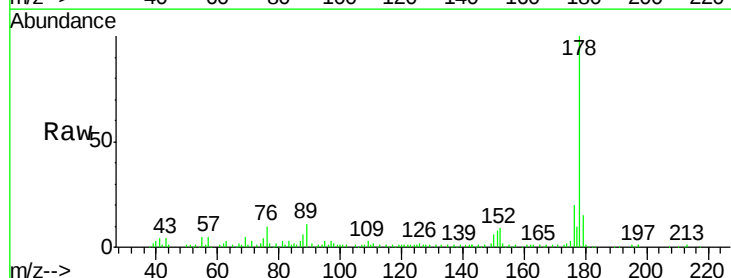
Tgt Ion:178 Resp: 71486

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

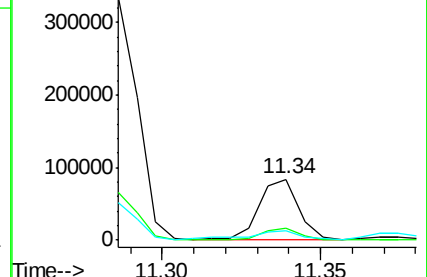
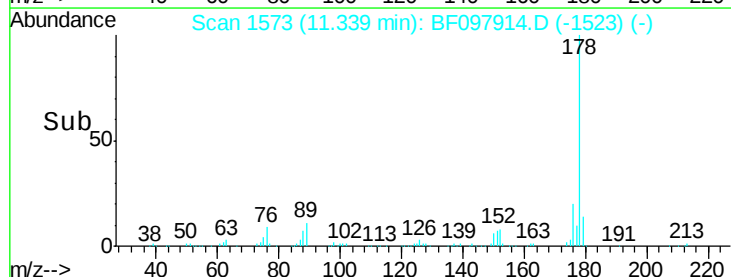
179 14.7 12.7 19.1

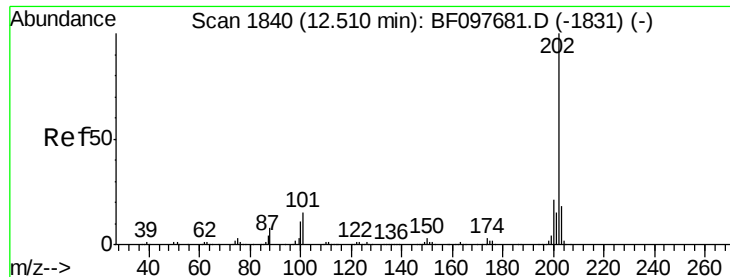


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.04 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

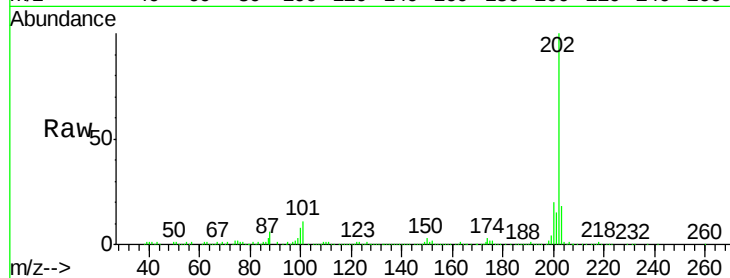
Tot Ion:202 Resp: 335581

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.2

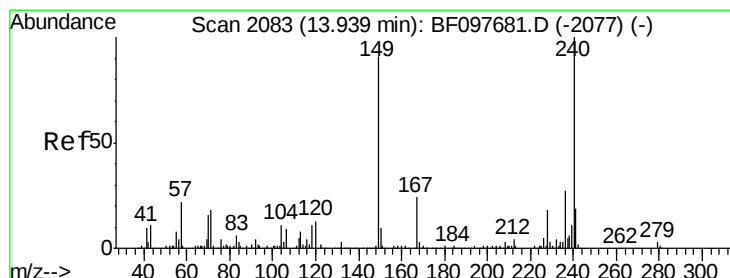
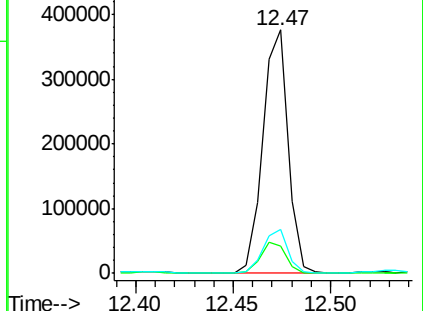
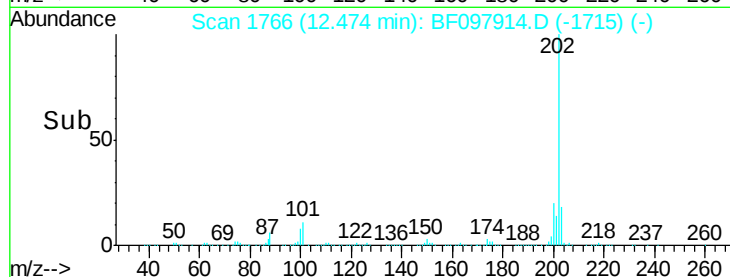
203 17.8 0.0 38.1



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

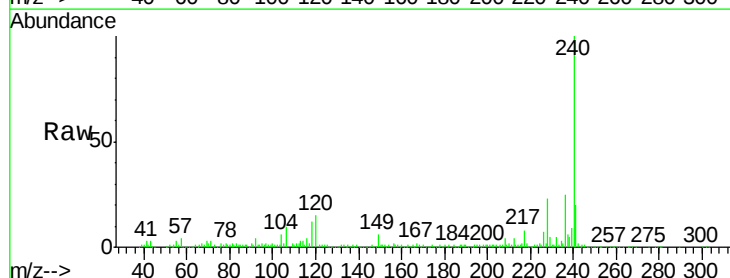
Tgt Ion:240 Resp: 256898

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

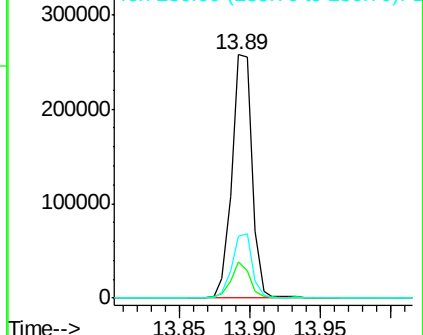
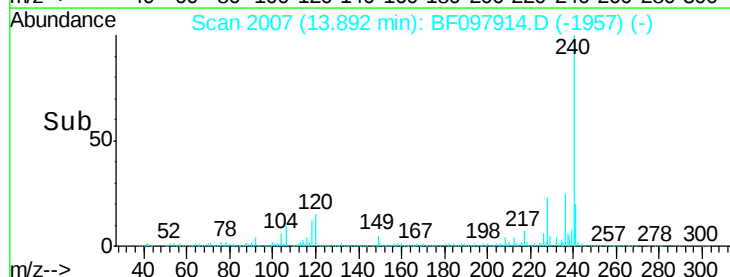
236 25.3 20.5 30.7

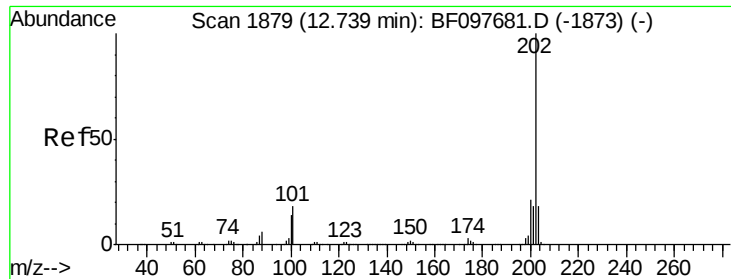


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

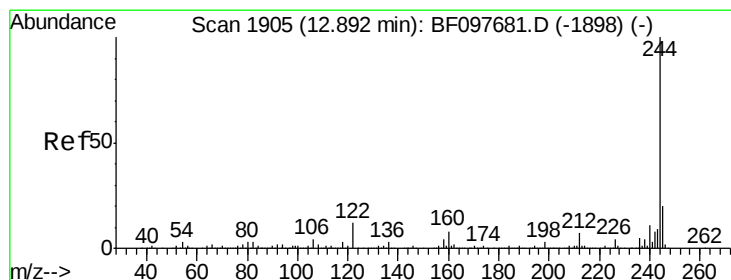
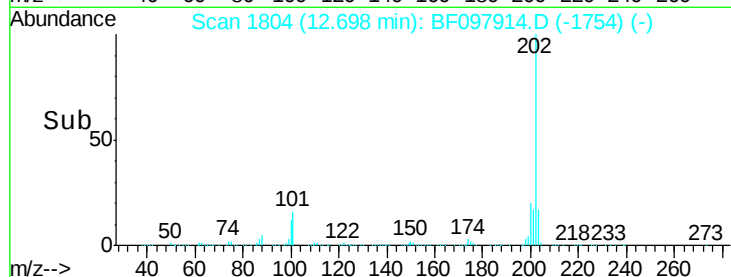
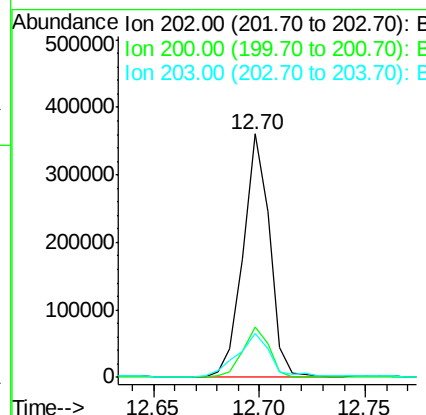
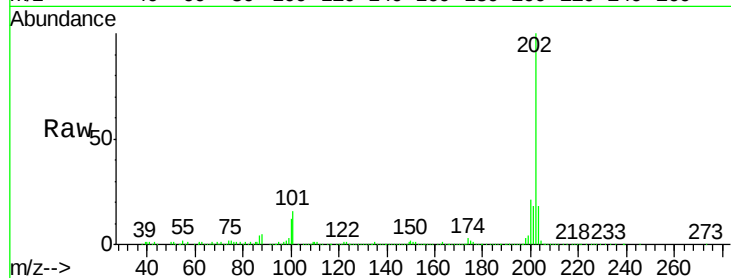




#77
Pvrene
Concen: 14.94 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

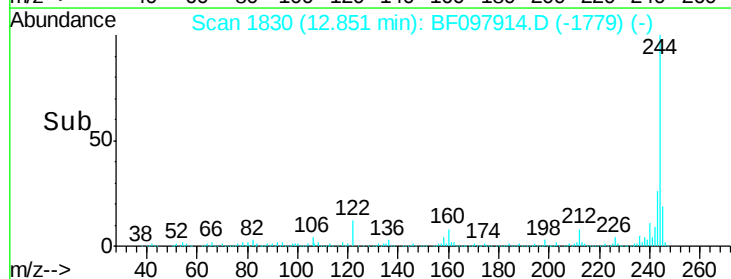
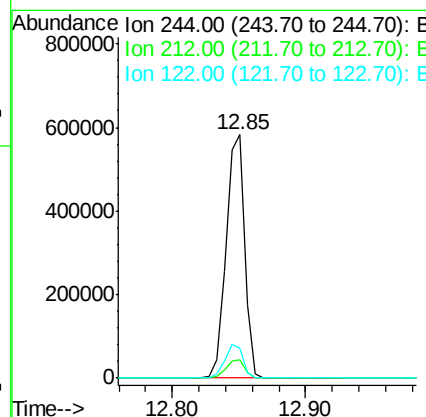
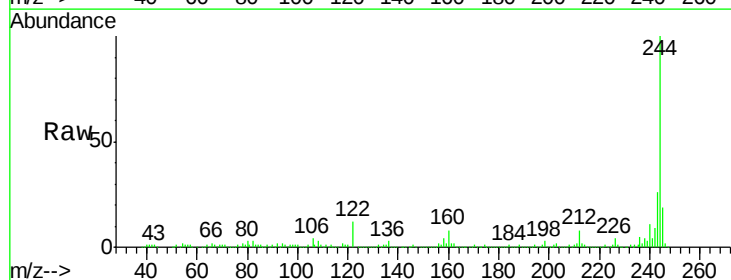
Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

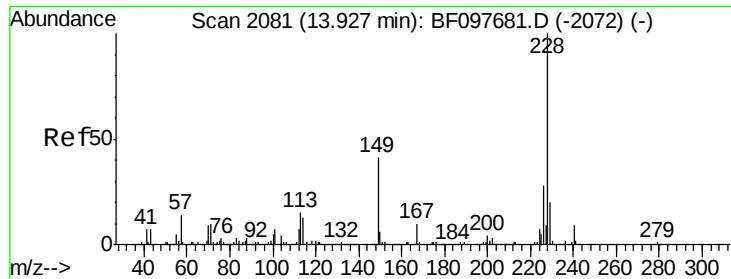
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.9	14.4	21.6



#78
Terphenyl-d14
Concen: 46.60 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	12.1	10.3	15.5





#80

Benzo(a)anthracene

Concen: 9.01 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

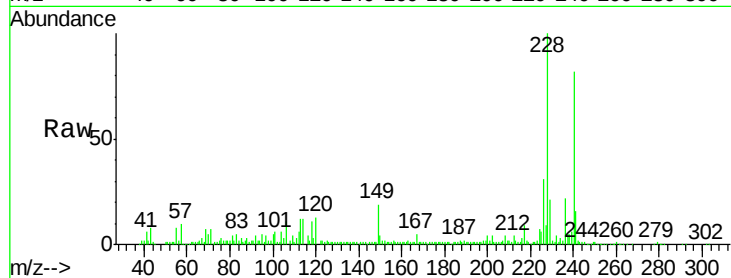
Tot Ion:228 Resp: 138689

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

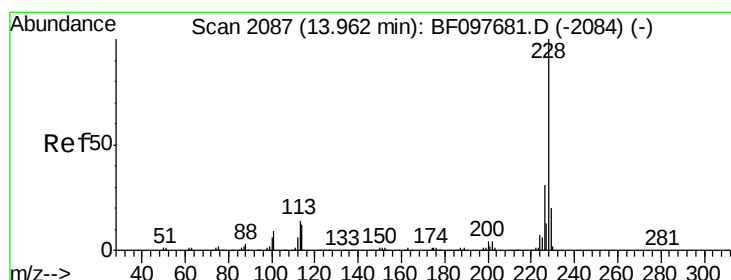
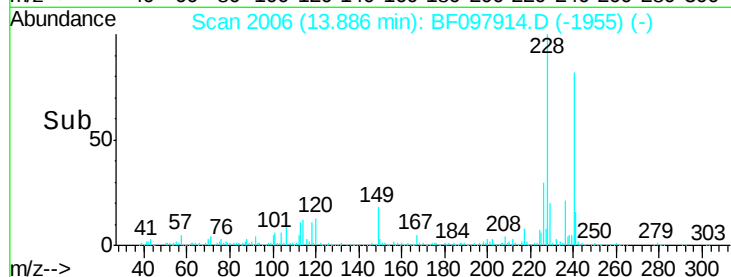
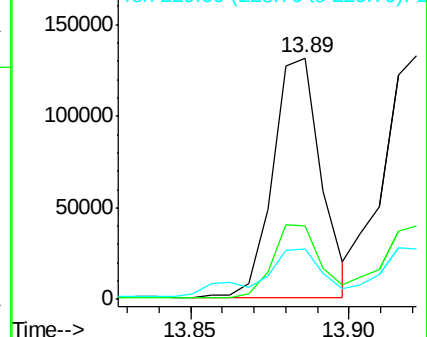
229 21.0 16.3 24.5



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: 8.91 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

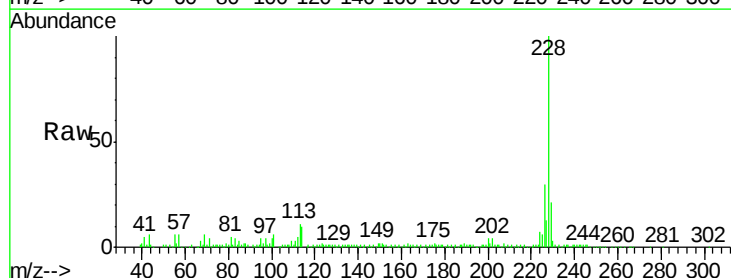
Tgt Ion:228 Resp: 136412

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

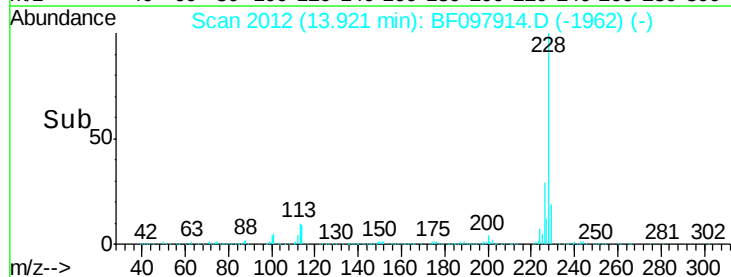
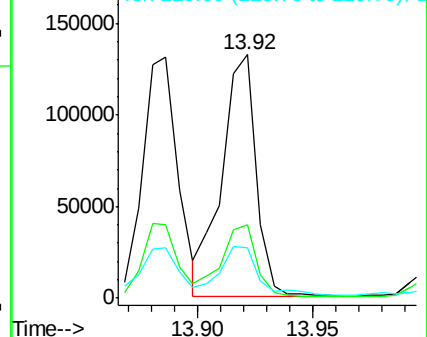
229 20.9 15.8 23.6

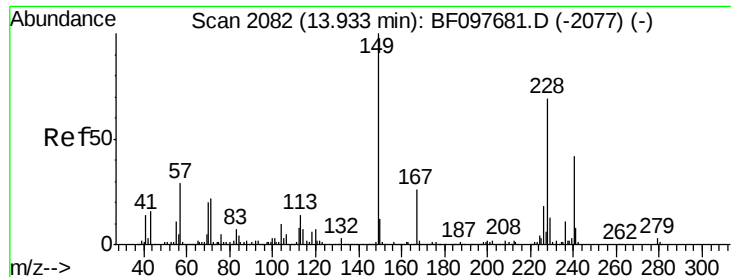


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

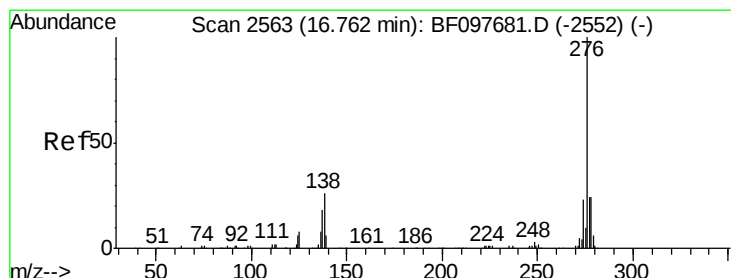
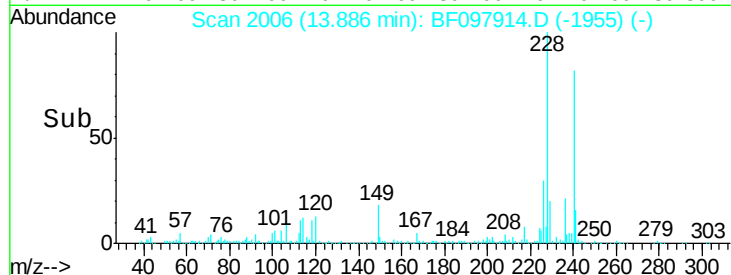
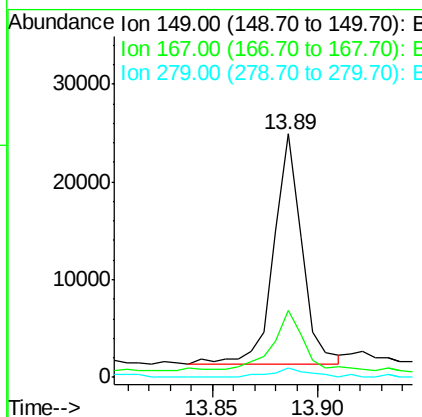
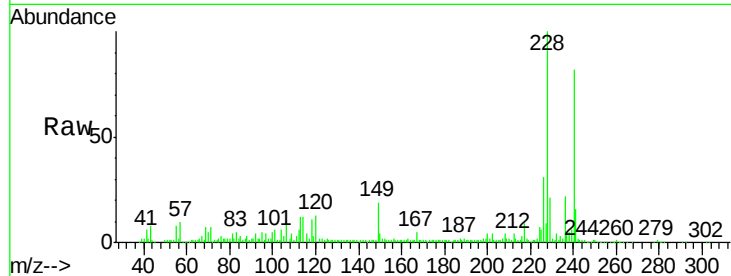




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.45 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

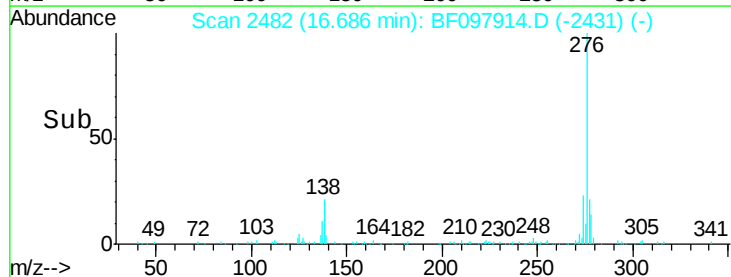
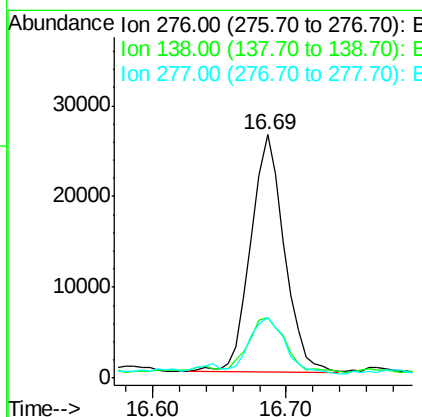
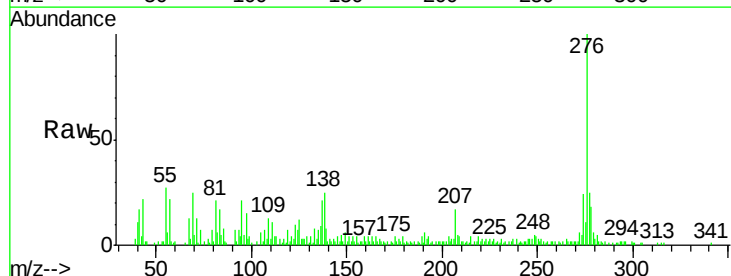
Instrument :
 BNA_F
 ClientSampleId :
 PVSC-A-COMP

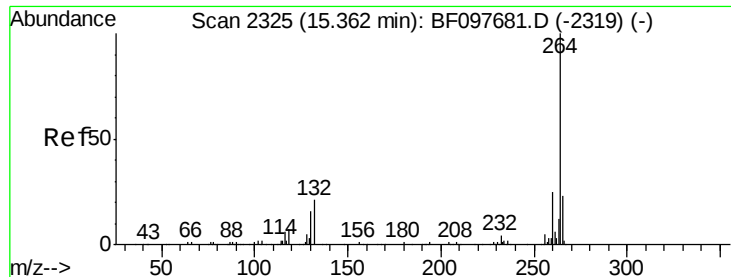
Tot Ion:149 Resp: 21870
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.0 31.4
 279 4.0 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.02 ng
 RT: 16.69 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BF097914.D
 Acq: 21 Aug 2017 19:23

Tgt Ion:276 Resp: 45256
 Ion Ratio Lower Upper
 276 100
 138 25.4 27.8 41.6#
 277 25.3 20.2 30.4

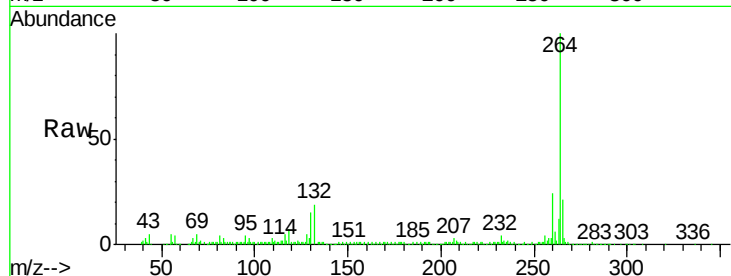




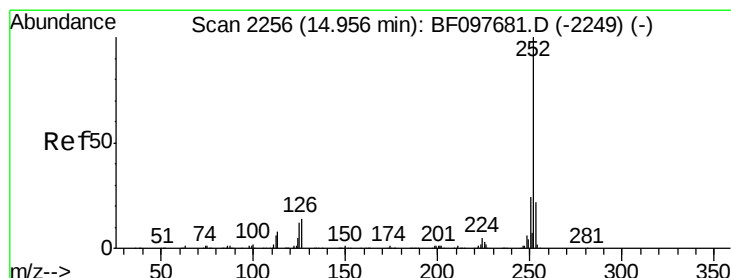
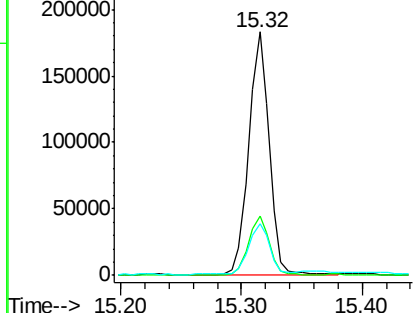
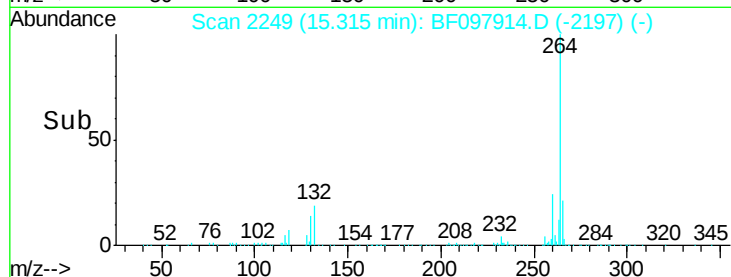
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	17.2	25.8

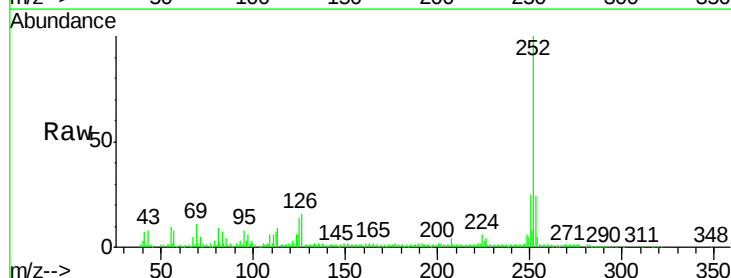


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

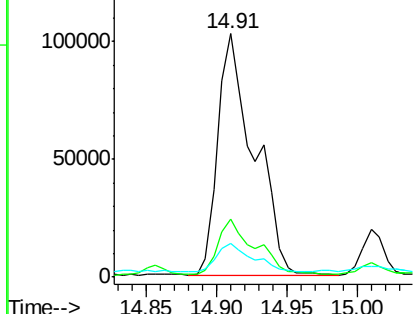
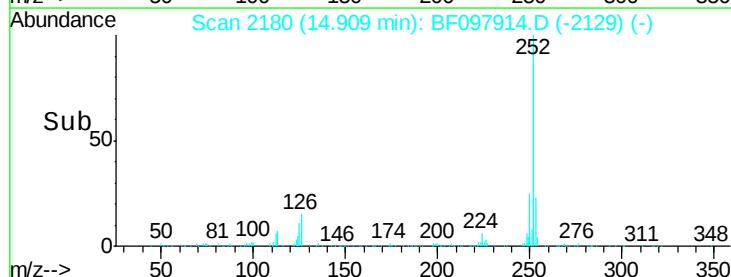


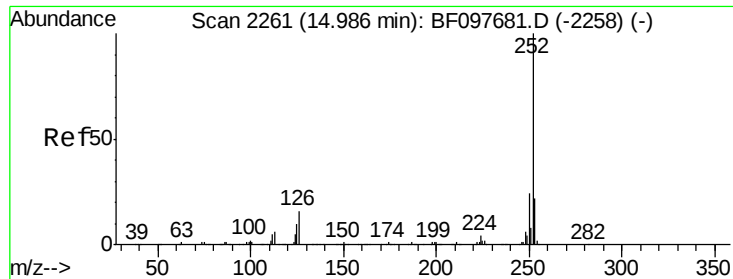
#87
Benzo(b)fluoranthene
Concen: 13.52 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	13.7	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

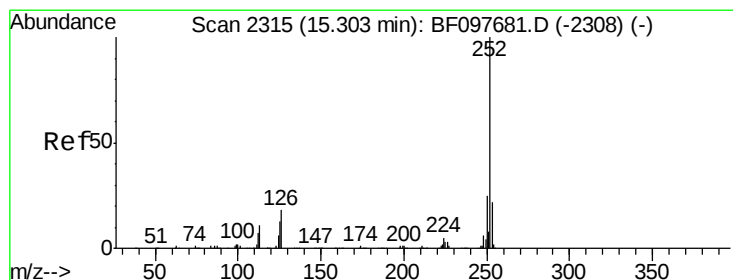
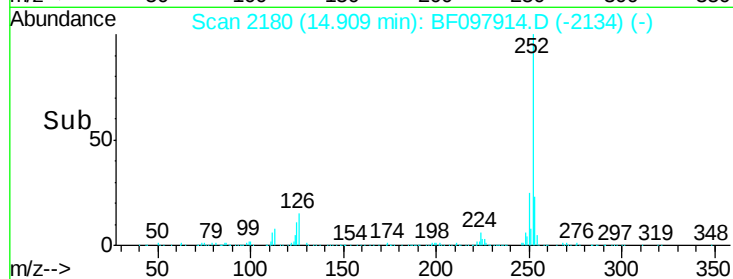
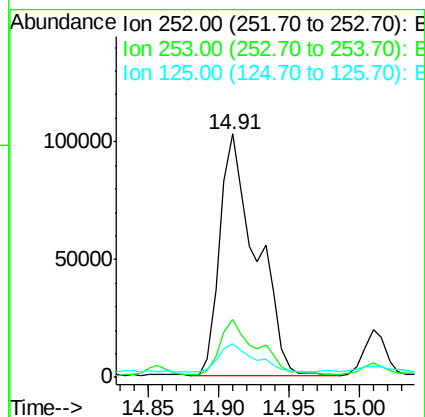
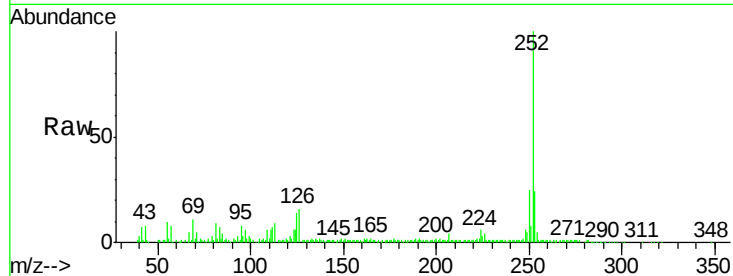




#88
Benzo(k)fluoranthene
Concen: 14.39 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

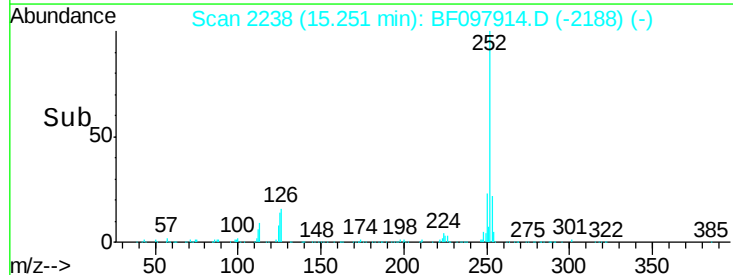
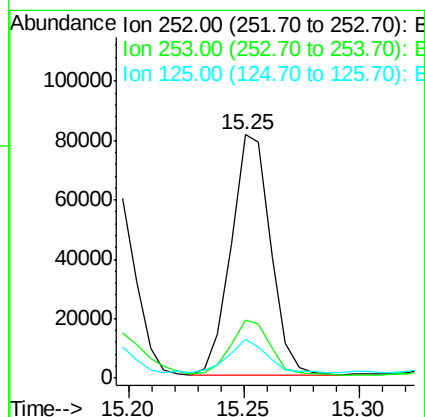
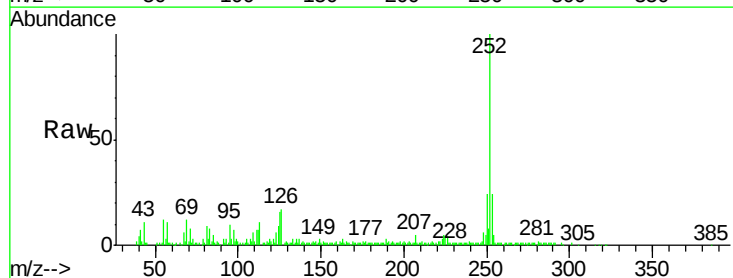
Instrument :
BNA_F
ClientSampleId :
PVSC-A-COMP

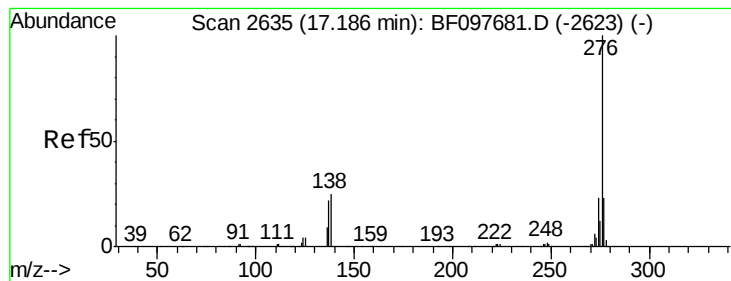
Tot Ion:252 Resp: 184242
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 13.7 13.1 19.7



#89
Benzo(a)pyrene
Concen: 7.99 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF097914.D
Acq: 21 Aug 2017 19:23

Tgt Ion:252 Resp: 96437
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 15.9 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 4.30 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF097914.D

Acq: 21 Aug 2017 19:23

Instrument :

BNA_F

ClientSampleId :

PVSC-A-COMP

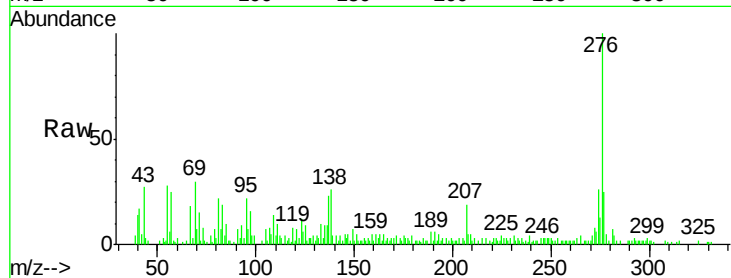
Tot Ion: 276 Resp: 44072

Ion Ratio Lower Upper

276 100

277 25.2 18.6 28.0

138 25.8 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

