

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097889.D
 Acq On : 19 Aug 2017 20:04
 Operator : SJ/JU
 Sample : I4847-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Quant Time: Aug 21 02:43:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

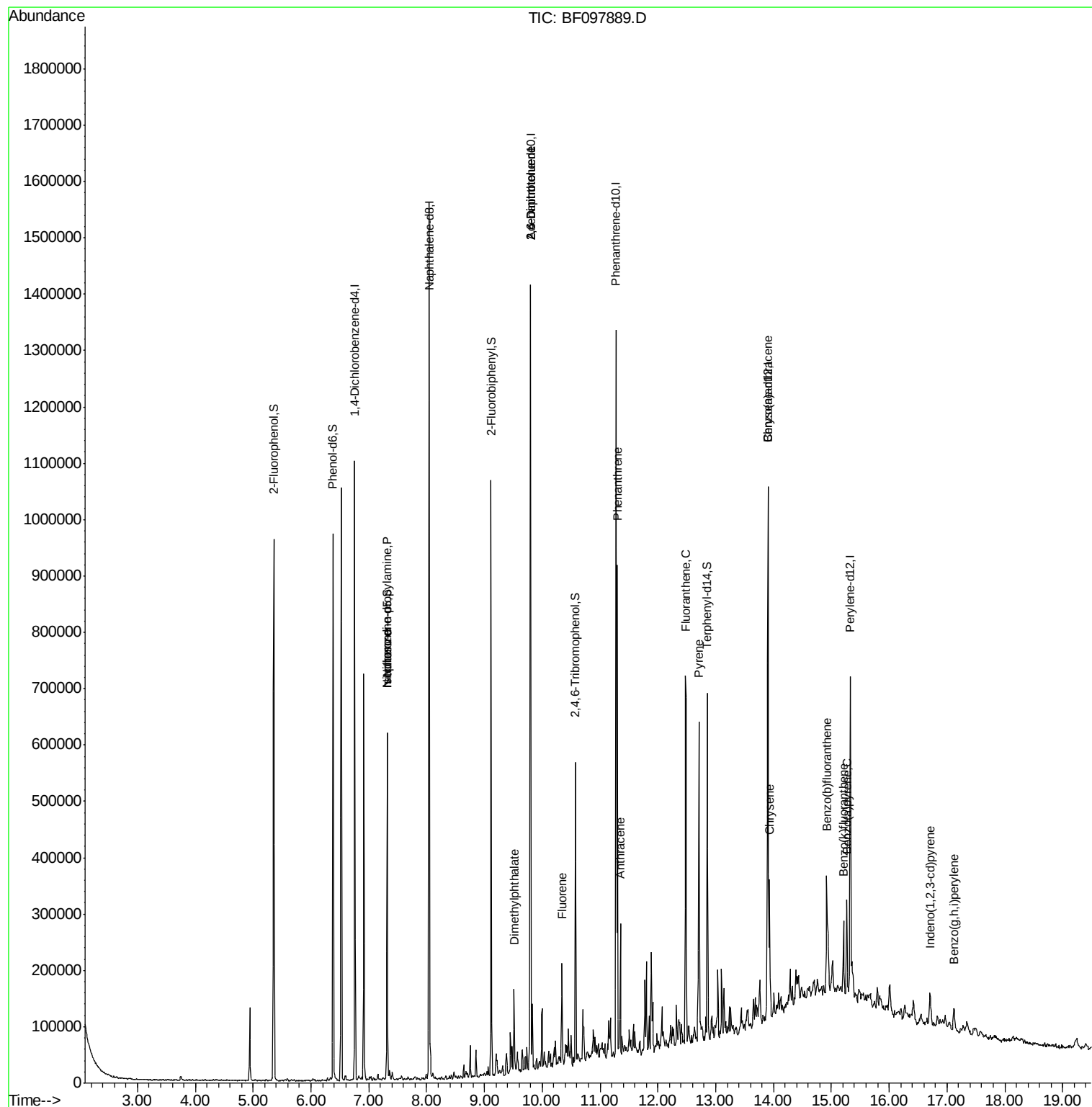
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	157819	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	636863	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	268811	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	421196	20.00	ng	-0.03
75) Chrysene-d12	13.90	240	272000	20.00	ng	-0.04
86) Perylene-d12	15.33	264	264168	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	236990	22.84	ng	-0.03
7) Phenol-d6	6.38	99	331057	23.48	ng	-0.03
23) Nitrobenzene-d5	7.32	82	204257	17.42	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	42528	18.23	ng	-0.04
44) 2-Fluorobiphenyl	9.12	172	277354	15.16	ng	-0.03
78) Terphenyl-d14	12.86	244	149916	11.49	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	27583	2.86	ng	# 75
25) Isophorone	7.32	82	201526	8.27	ng	# 67
49) Dimethylphthalate	9.51	163	40237	2.05	ng	# 98
50) 2,6-Dinitrotoluene	9.79	165	35320	9.01	ng	# 34
56) 2,4-Dinitrotoluene	9.79	165	35320	7.18	ng	# 33
57) Fluorene	10.34	166	41658	2.24	ng	97
70) Phenanthrene	11.30	178	265015	11.81	ng	99
71) Anthracene	11.35	178	82960	3.64	ng	97
74) Fluoranthene	12.48	202	254161	10.85	ng	98
77) Pyrene	12.71	202	217829	9.79	ng	99
80) Benzo(a)anthracene	13.90	228	102094	6.26	ng	97
82) Chrysene	13.93	228	96536	5.95	ng	98
85) Indeno(1,2,3-cd)pyrene	16.70	276	37330	3.13	ng	93
87) Benzo(b)fluoranthene	14.92	252	150855	9.06	ng	99
88) Benzo(k)fluoranthene	15.21	252	53063	3.39	ng	99
89) Benzo(a)pyrene	15.27	252	78010	5.29	ng	100
91) Benzo(a,h,i)perylene	17.12	276	32993	2.63	ng	94

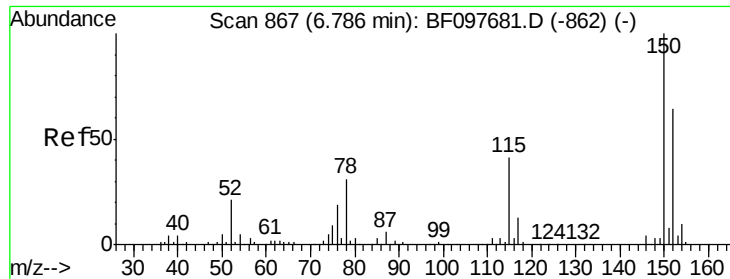
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

ClientSampleId :

PVSC-B-COMP

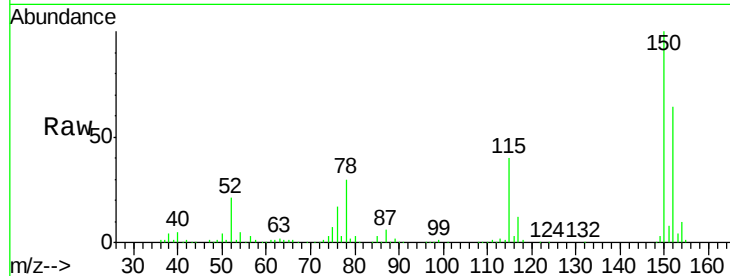
Tot Ion:152 Resp: 157819

Ion Ratio Lower Upper

152 100

150 156.1 126.2 189.2

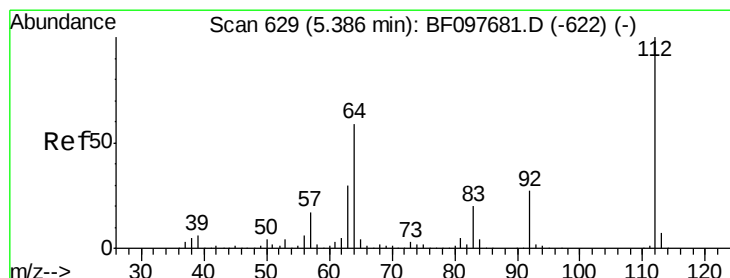
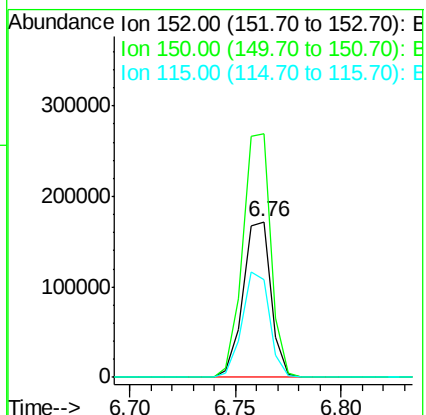
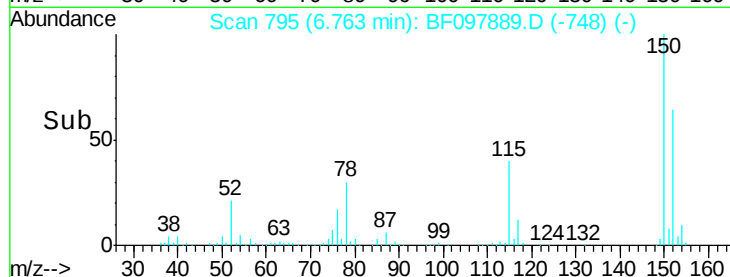
115 62.4 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 22.84 ng

RT: 5.36 min Scan# 556

Delta R.T. -0.03 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

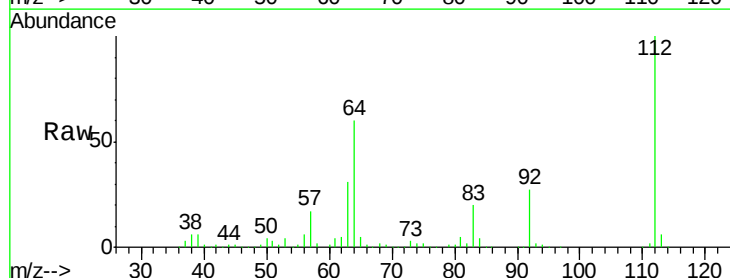
Tgt Ion:112 Resp: 236990

Ion Ratio Lower Upper

112 100

64 60.4 46.0 69.0

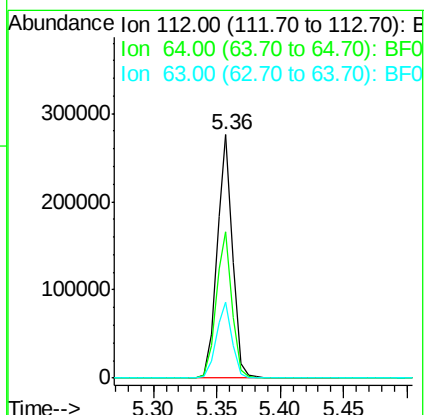
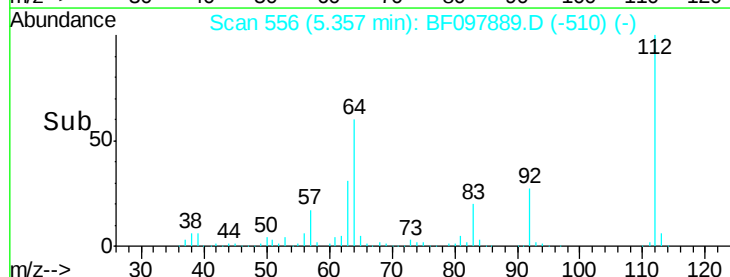
63 31.1 23.4 35.0

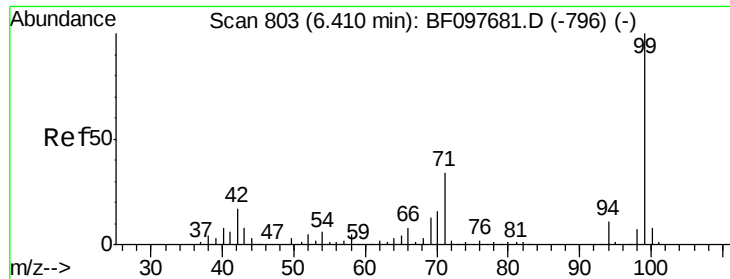


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.48 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

ClientSampleId :

PVSC-B-COMP

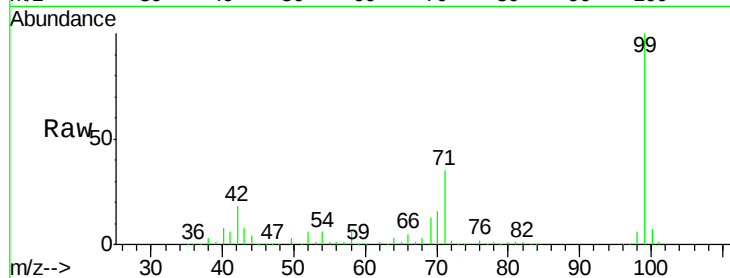
Tot Ion: 99 Resp: 331057

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

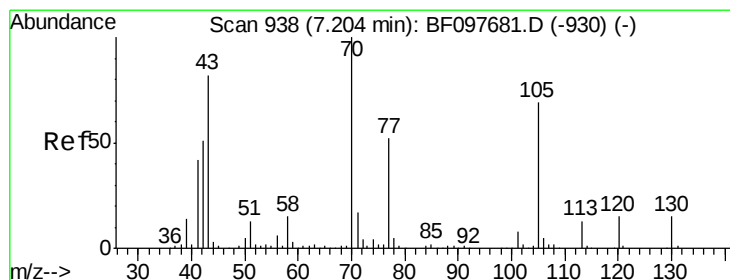
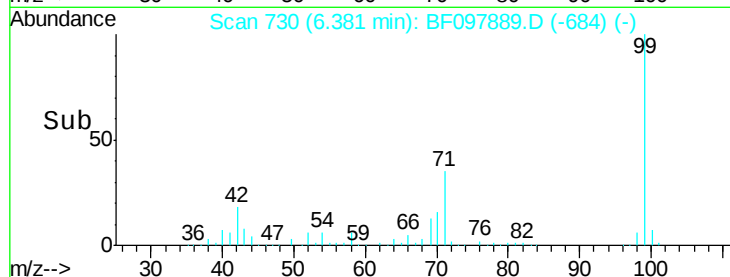
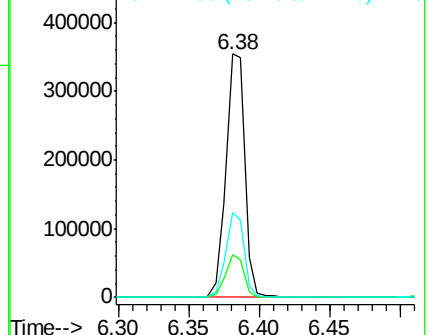
71 35.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.86 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.11 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Tgt Ion: 70 Resp: 27583

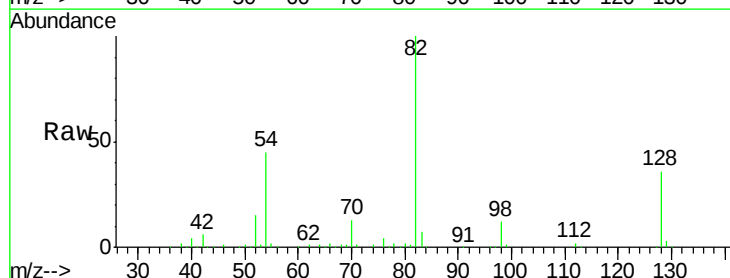
Ion Ratio Lower Upper

70 100

42 44.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

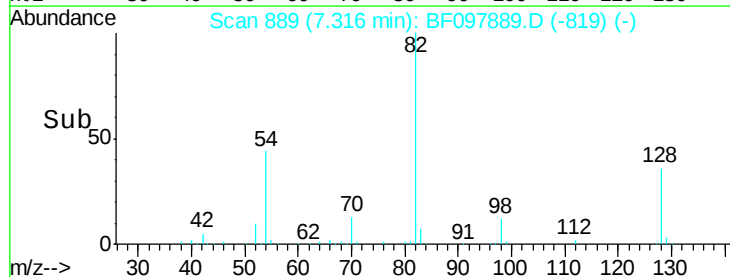
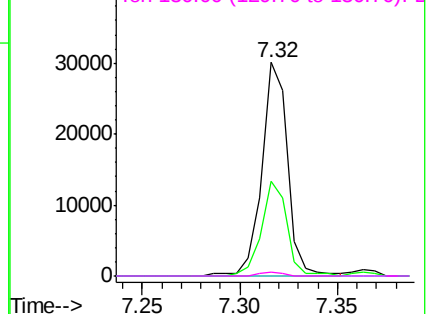


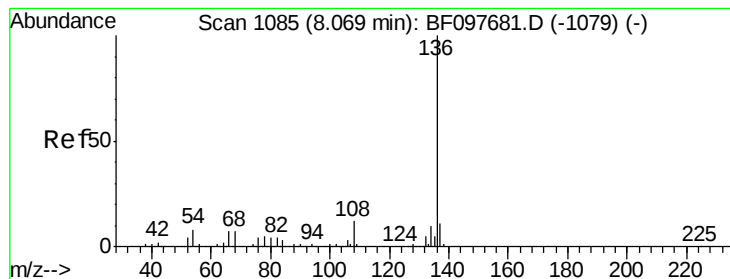
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

ClientSampleId :

PVSC-B-COMP

Tot Ion:136 Resp: 636863

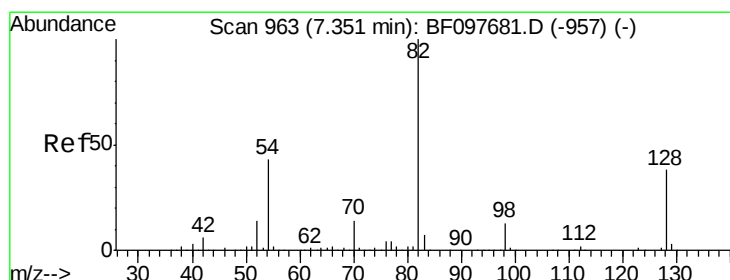
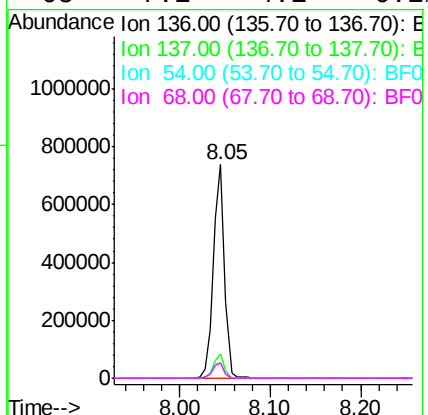
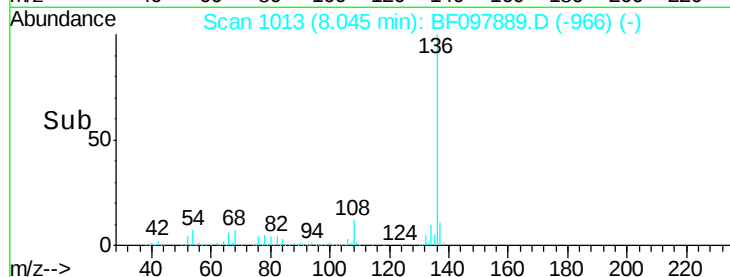
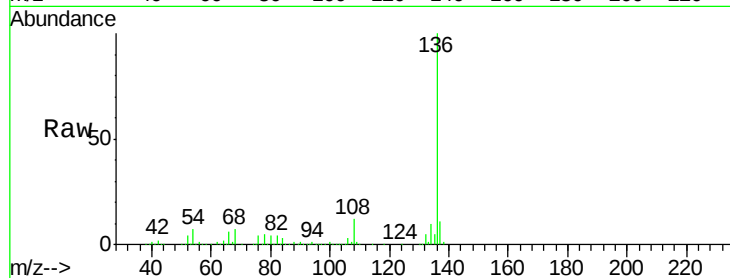
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.3 4.9 7.3

68 7.1 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 17.42 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.04 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

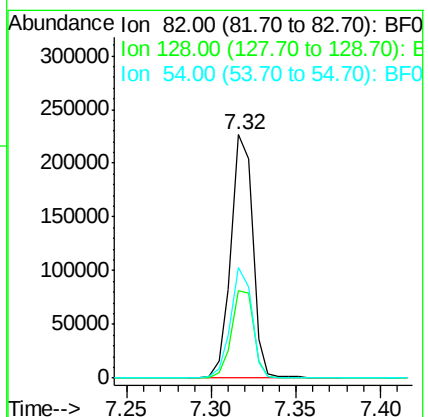
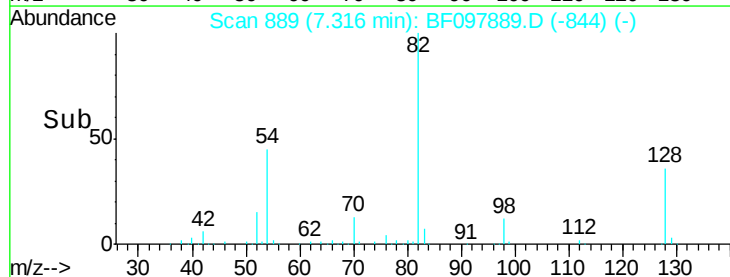
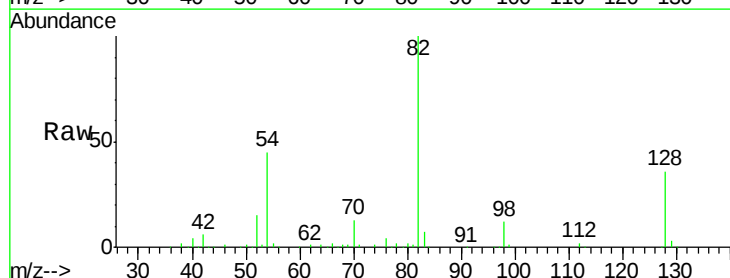
Tgt Ion: 82 Resp: 204257

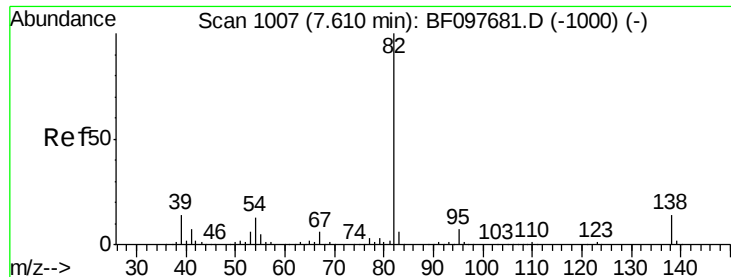
Ion Ratio Lower Upper

82 100

128 35.8 34.0 51.0

54 45.3 42.2 63.2





#25

Isophorone

Concen: 8.27 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.29 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

ClientSampleId :

PVSC-B-COMP

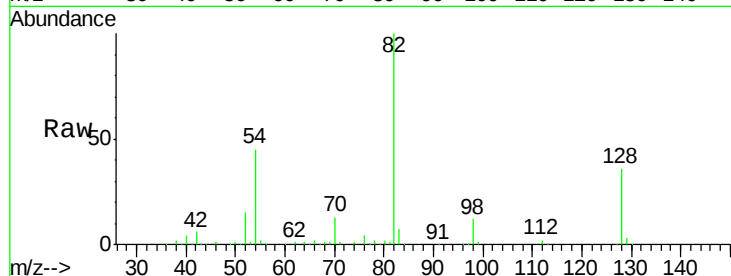
Tot Ion: 82 Resp: 201526

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

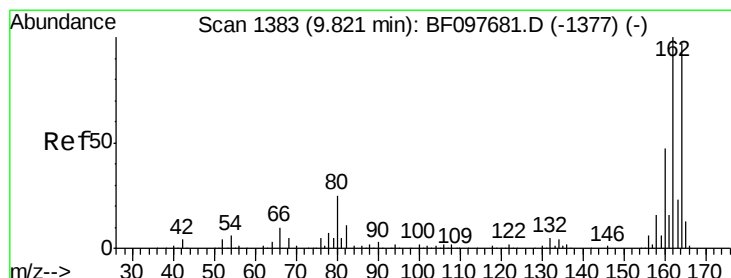
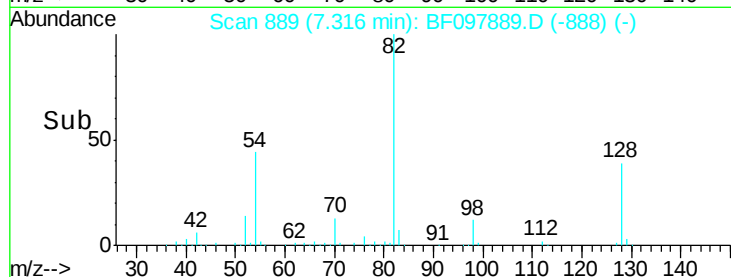
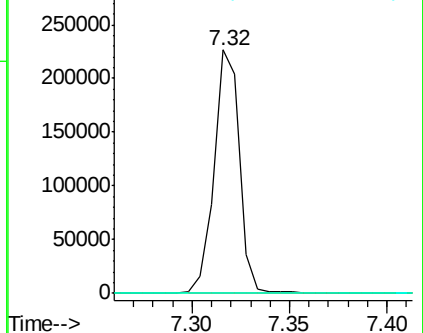
138 0.0 13.1 19.7#



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: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

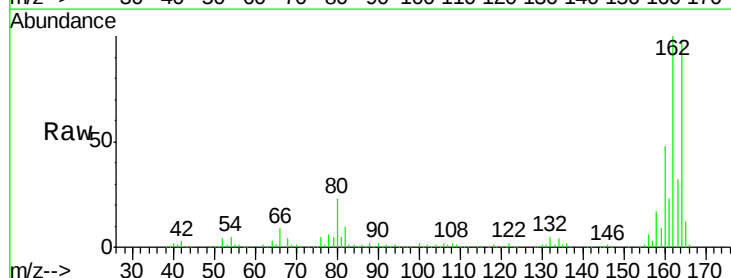
Tgt Ion:164 Resp: 268811

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

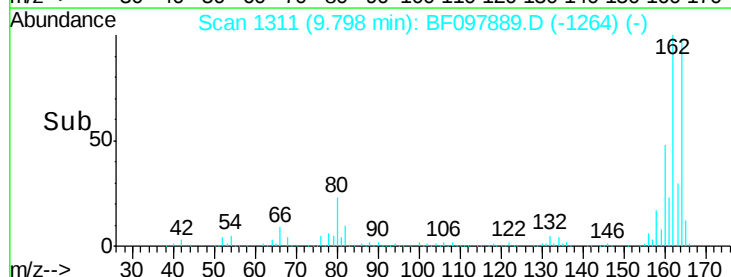
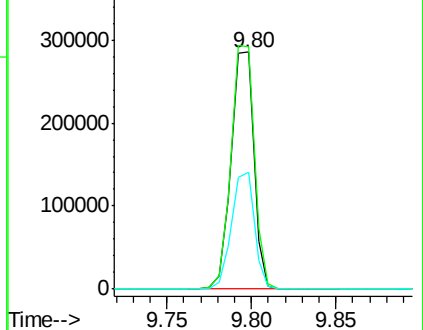
160 49.2 36.2 54.2

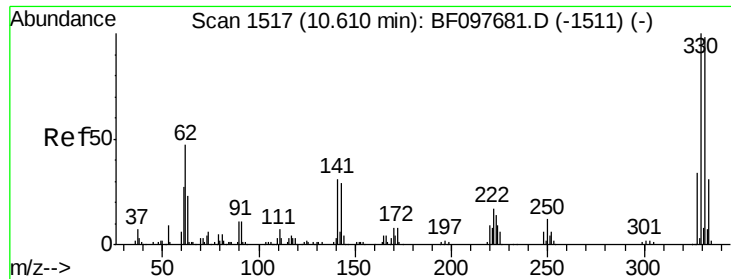


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

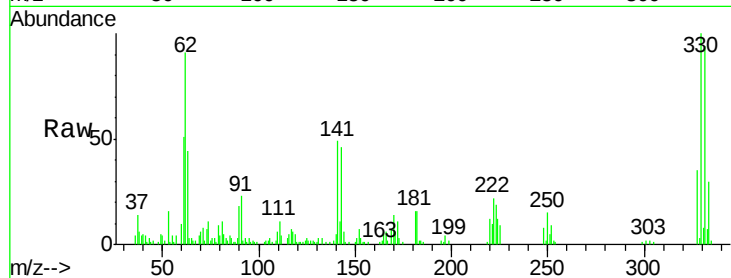




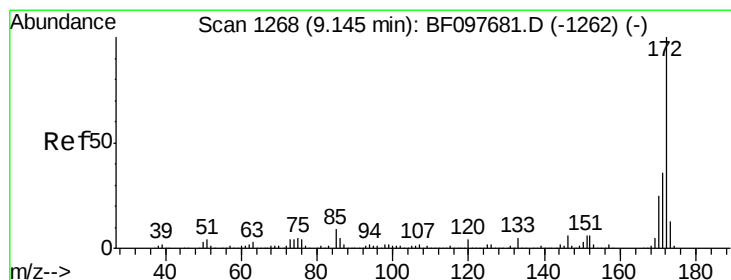
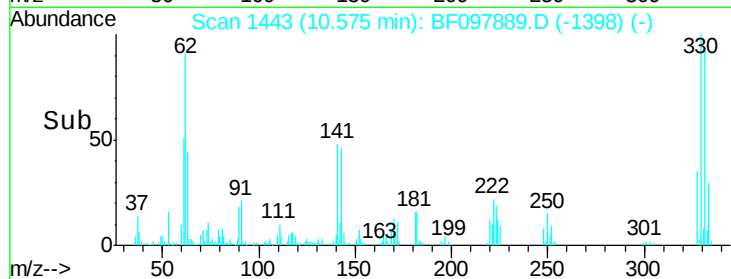
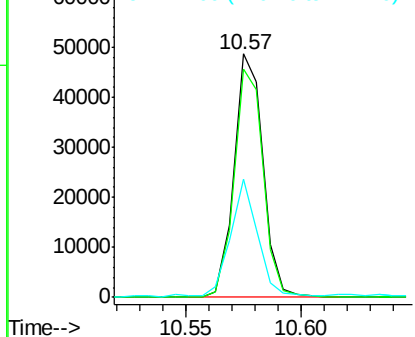
#41
 2,4,6-Tribromophenol
 Concen: 18.23 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.04 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Tot Ion:330 Resp: 42528
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 115.0
 141 47.2 31.4 47.2#

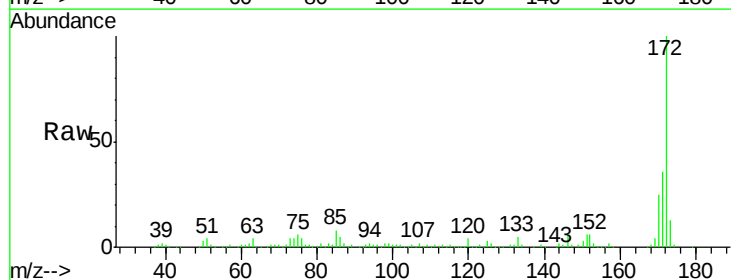


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

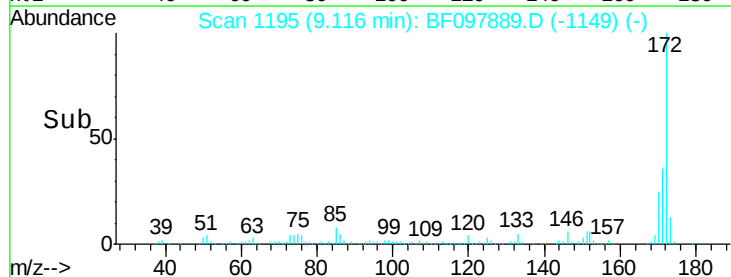
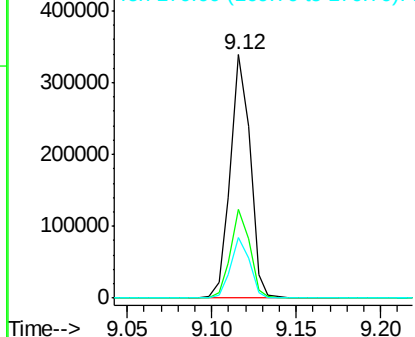


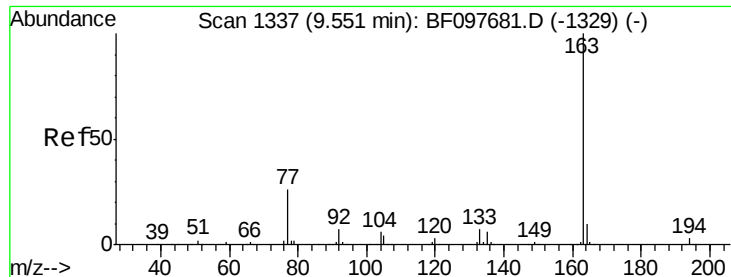
#44
 2-Fluorobiphenyl
 Concen: 15.16 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion:172 Resp: 277354
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.8 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

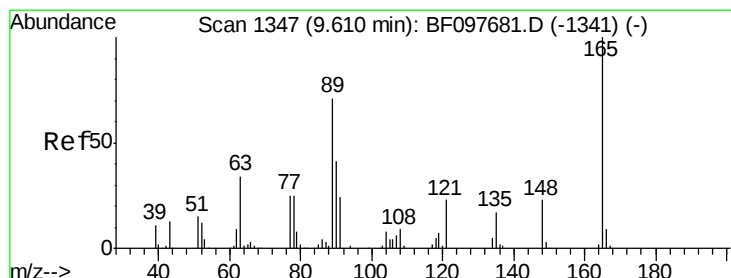
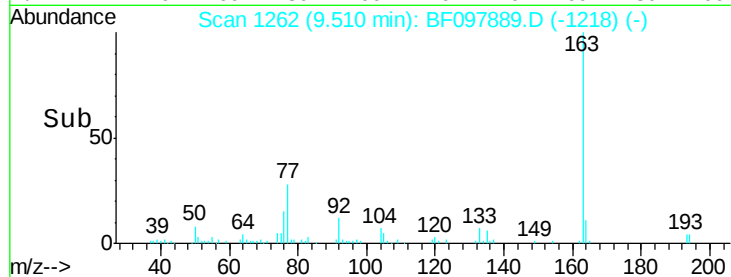
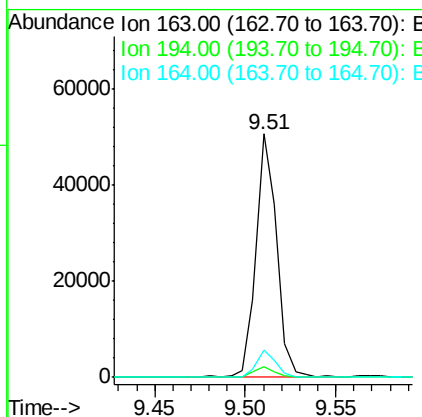
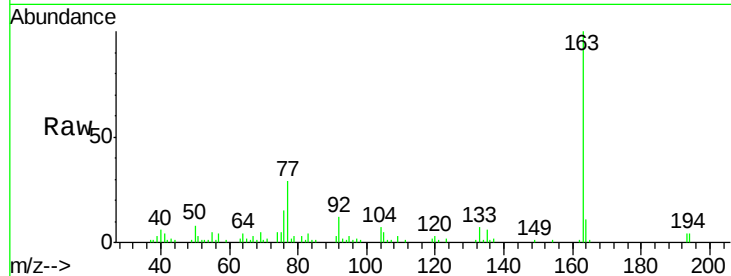




#49
 Dimethylphthalate
 Concen: 2.05 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.04 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

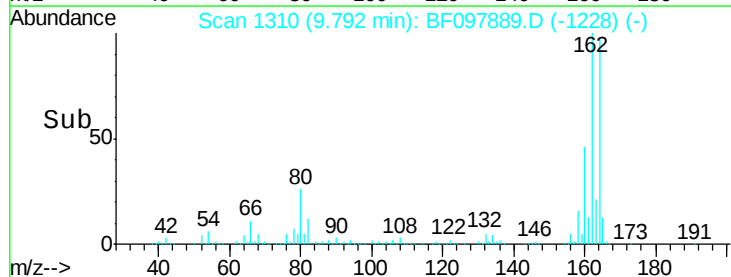
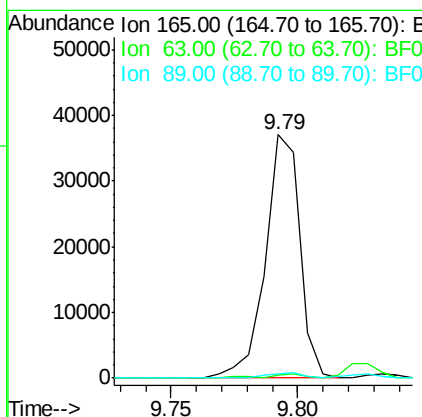
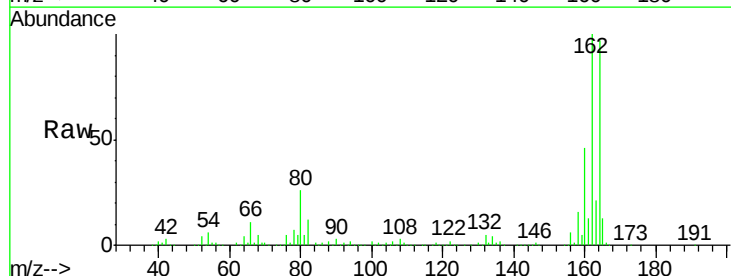
Instrument :
 BNA_F
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 PVSC-B-COMP

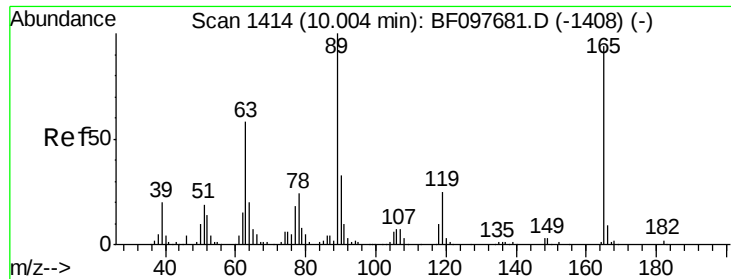
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.6	4.0#
164	11.2	8.4	12.6



#50
 2,6-Dinitrotoluene
 Concen: 9.01 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.18 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.9	37.1	55.7#

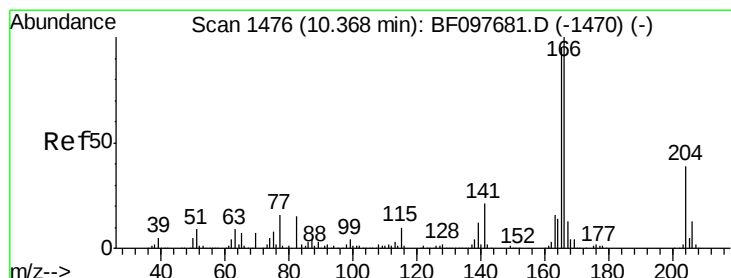
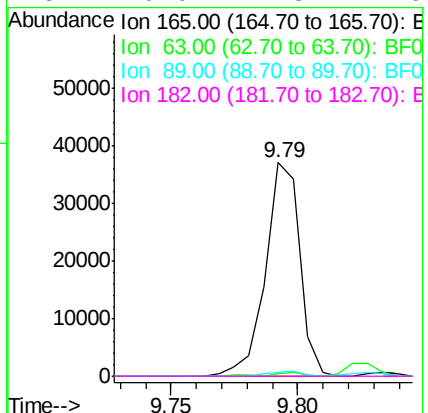
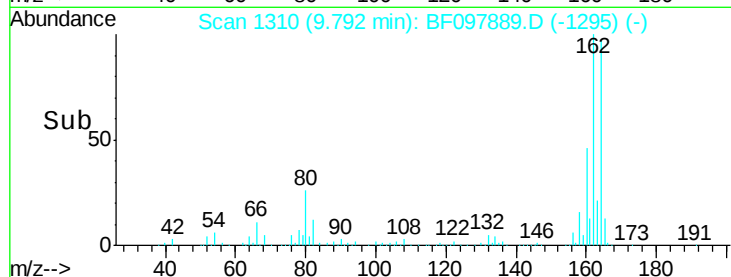
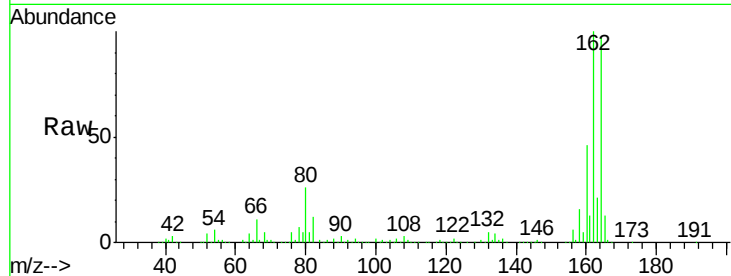




#56
 2,4-Dinitrotoluene
 Concen: 7.18 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.21 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

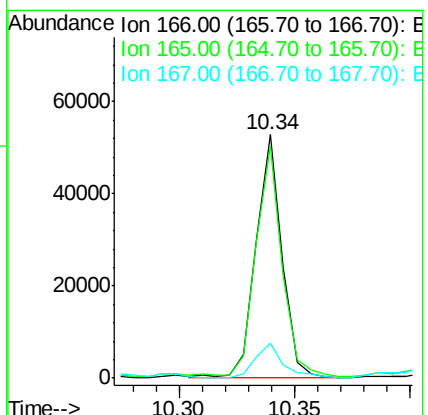
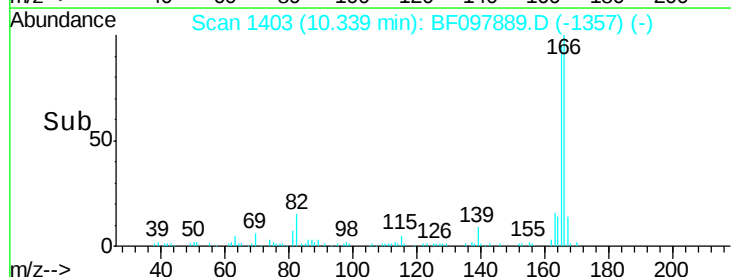
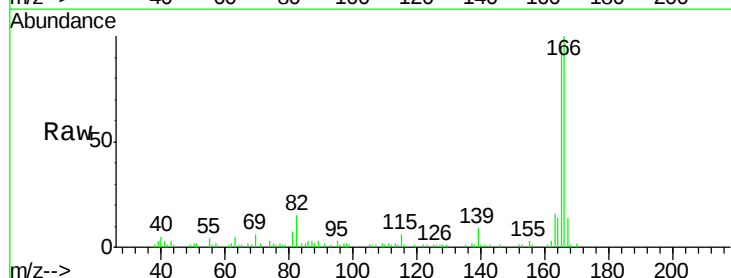
Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

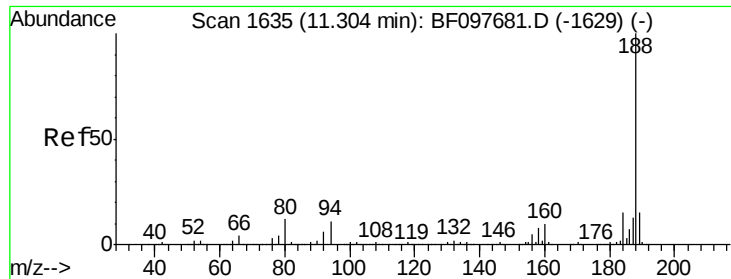
Tot Ion:	165	Resp:	35320
Ion Ratio	Lower	Upper	
165	100		
63	1.1	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



#57
 Fluorene
 Concen: 2.24 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.03 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion:	166	Resp:	41658
Ion Ratio	Lower	Upper	
166	100		
165	95.1	78.8	118.2
167	14.2	10.6	16.0

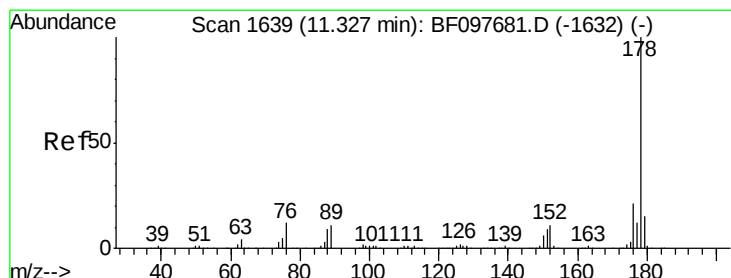
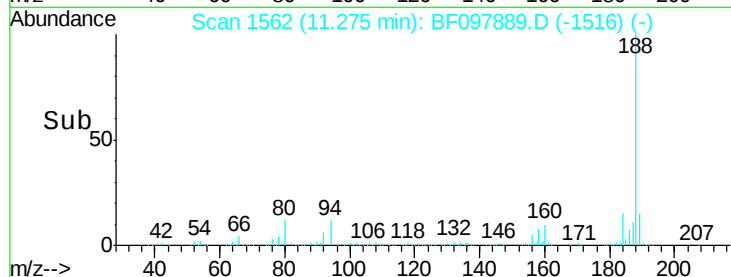
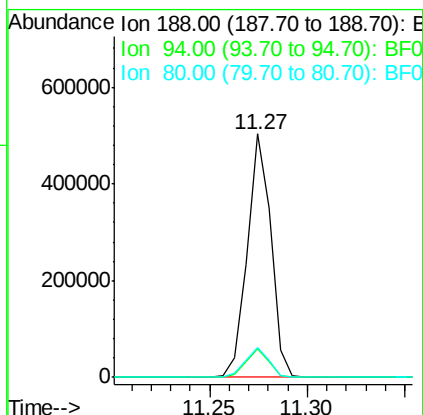
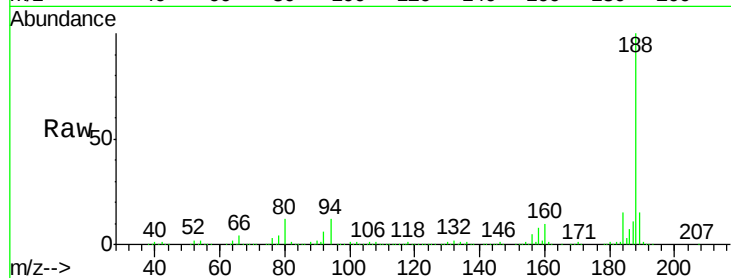




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

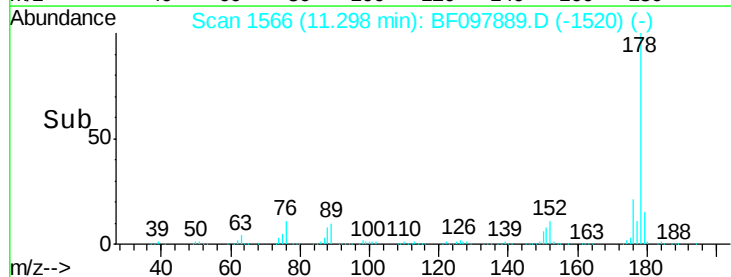
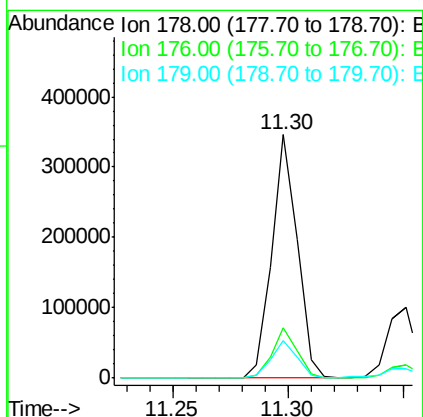
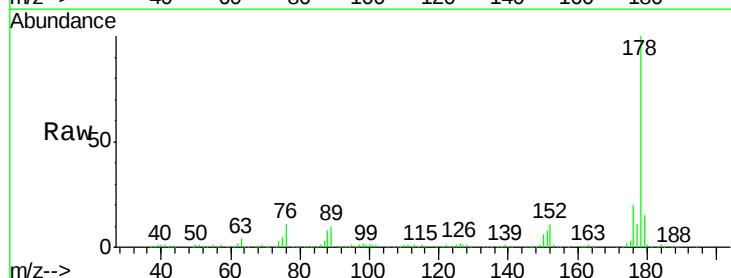
Instrument :
BNA_F
ClientSampleId :
PVSC-B-COMP

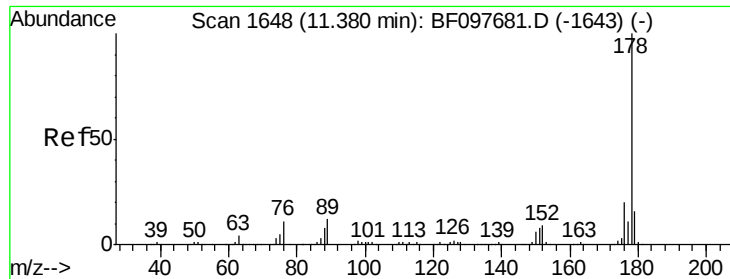
Tot Ion:188 Resp: 421196
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 12.5 10.2 15.2



#70
Phenanthrene
Concen: 11.81 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion:178 Resp: 265015
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.4
179 15.3 12.6 19.0

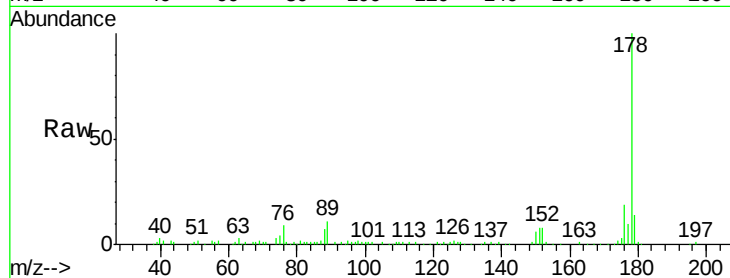




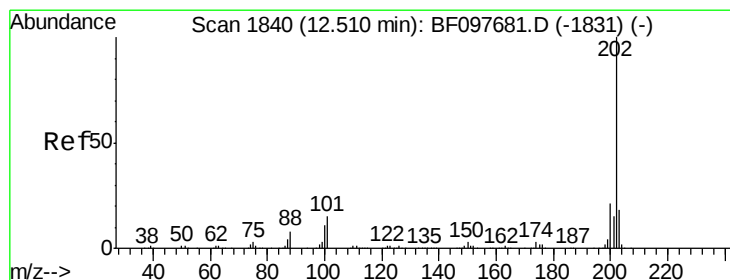
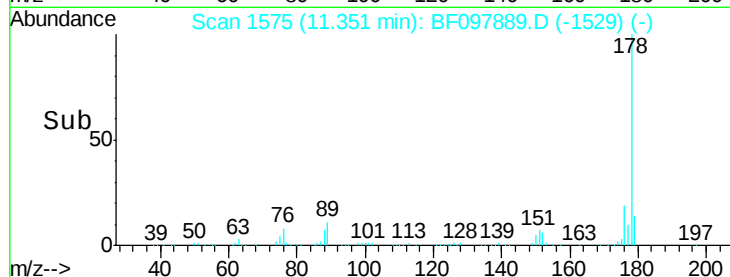
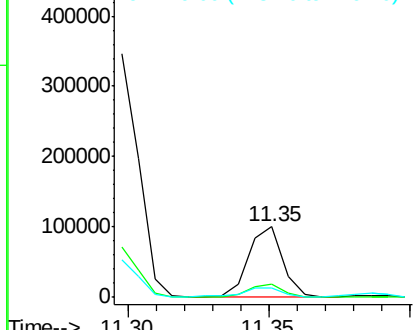
#71
 Anthracene
 Concen: 3.64 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.03 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Tot Ion:178 Resp: 82960
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 13.9 12.7 19.1

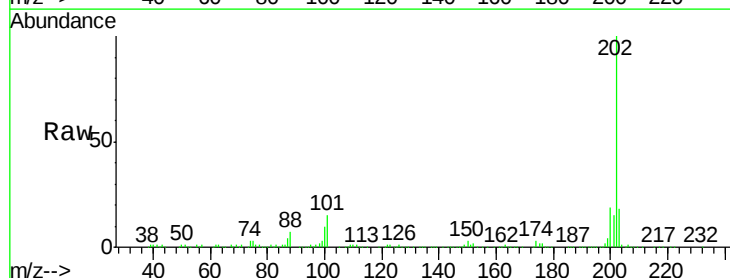


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

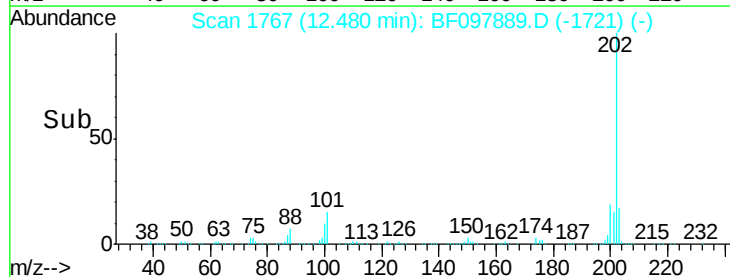
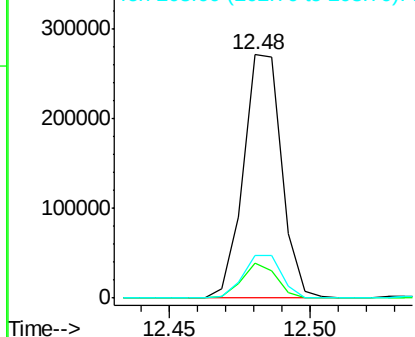


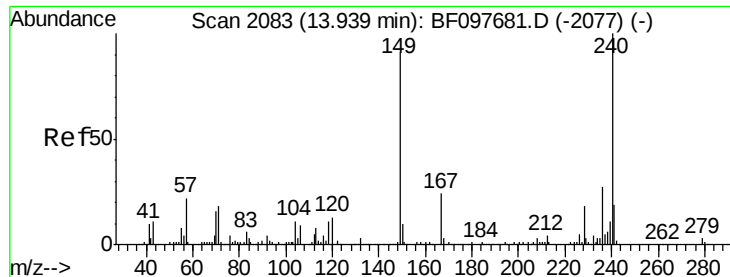
#74
 Fluoranthene
 Concen: 10.85 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. -0.03 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion:202 Resp: 254161
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 33.2
 203 17.6 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: 13.90 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

ClientSampleId :

PVSC-B-COMP

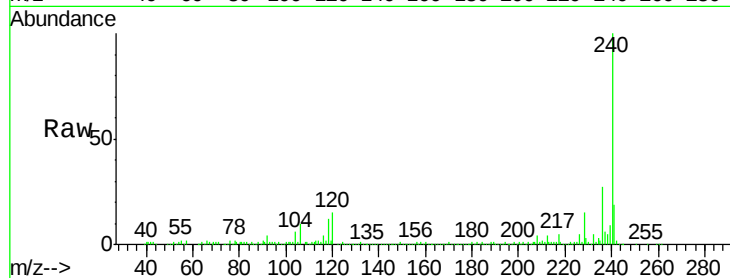
Tot Ion:240 Resp: 272000

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

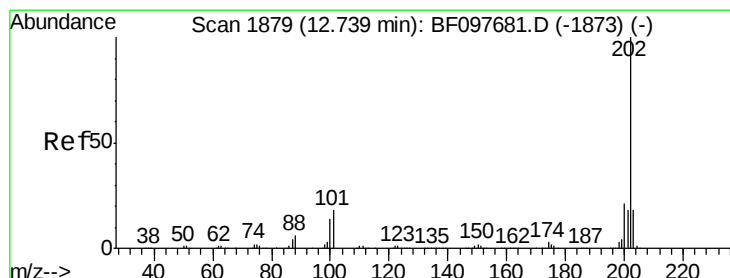
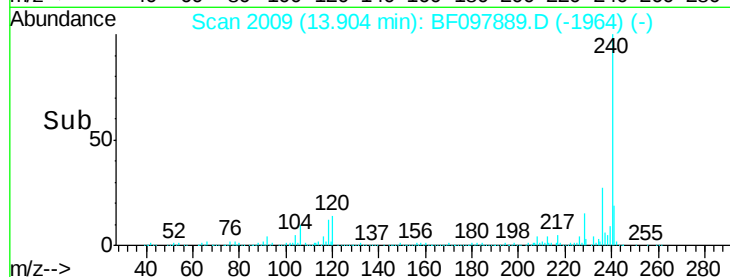
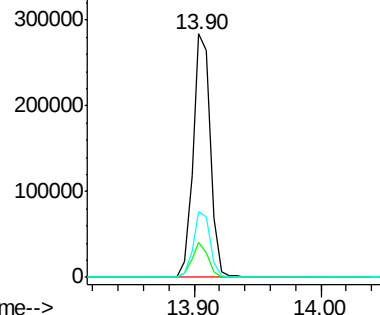
236 27.1 20.5 30.7



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

Pyrene

Concen: 9.79 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.03 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

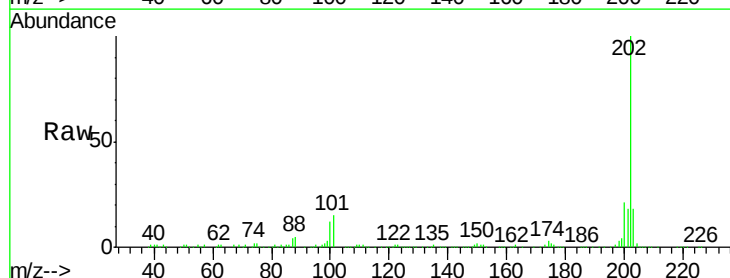
Tgt Ion:202 Resp: 217829

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

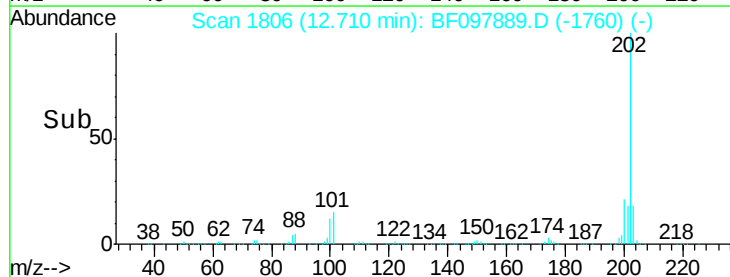
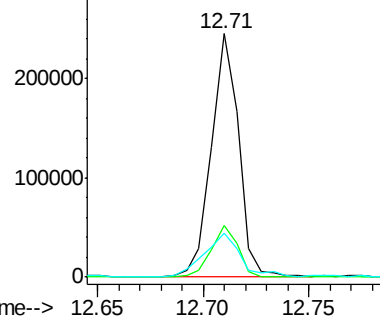
203 17.9 14.4 21.6

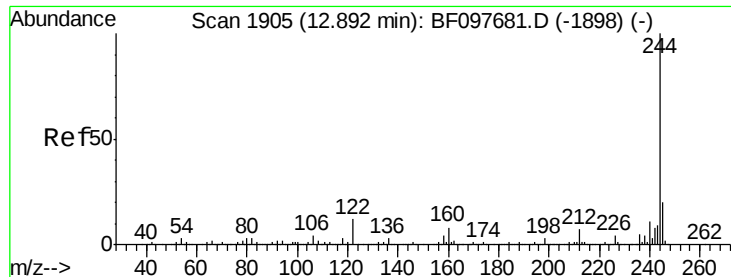


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

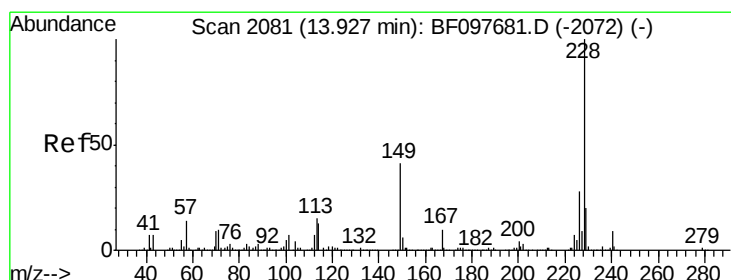
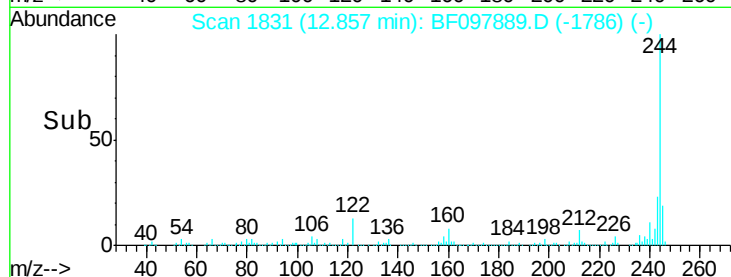
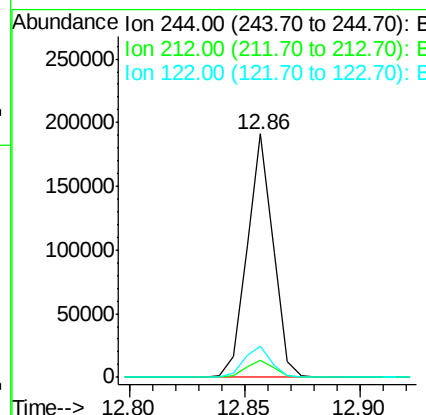
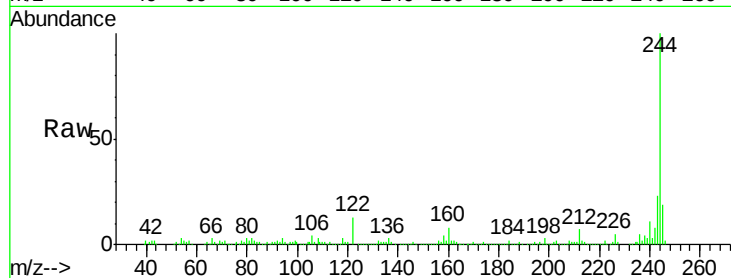




#78
 Terphenyl-d14
 Concen: 11.49 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.04 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

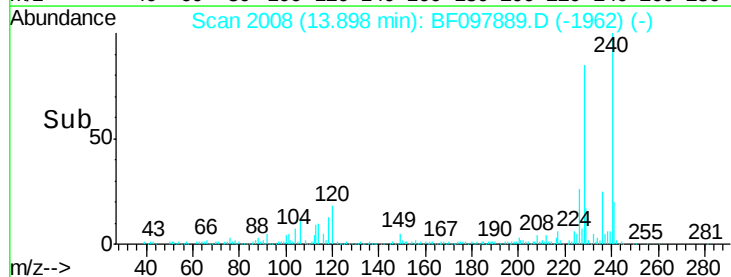
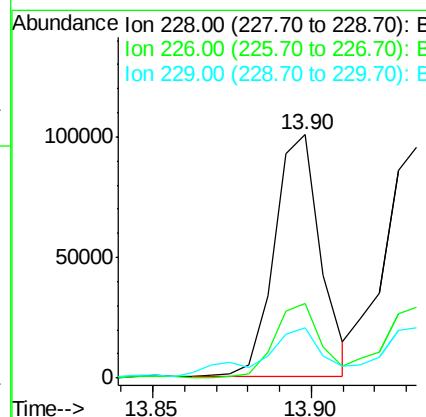
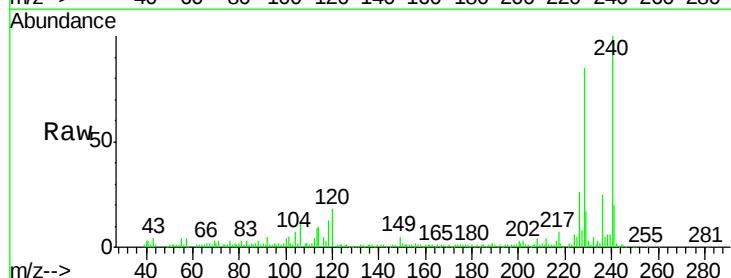
Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

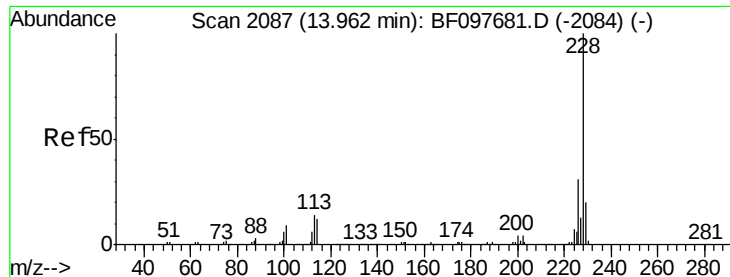
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.8	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 6.26 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.03 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	20.5	16.3	24.5





#82

Chrysene

Concen: 5.95 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.03 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

Instrument :

BNA_F

ClientSampleId :

PVSC-B-COMP

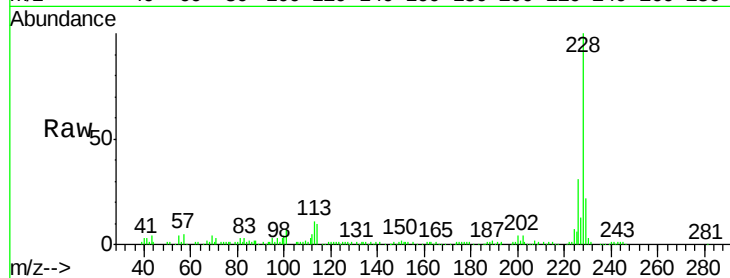
Tot Ion:228 Resp: 96536

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

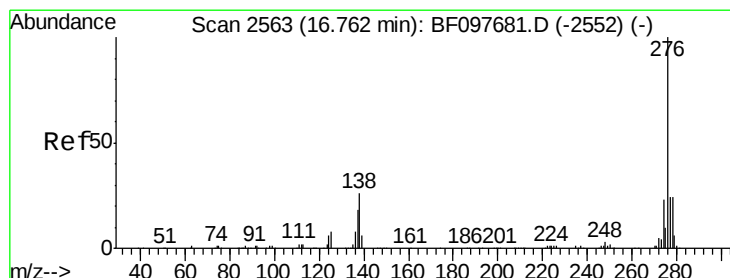
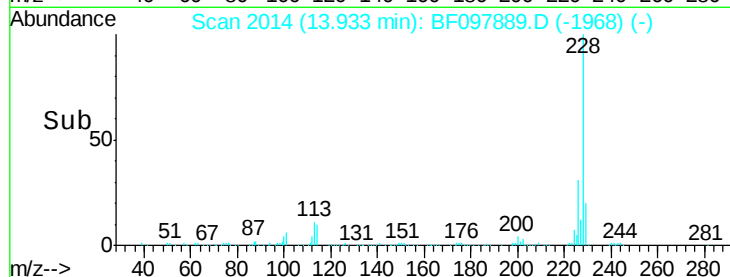
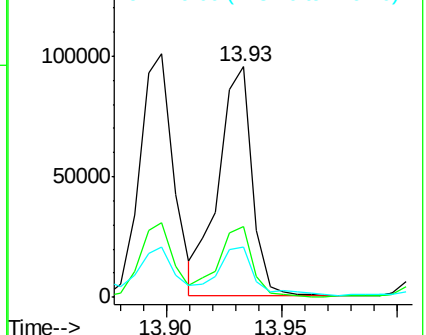
229 21.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.13 ng

RT: 16.70 min Scan# 2485

Delta R.T. -0.06 min

Lab File: BF097889.D

Acq: 19 Aug 2017 20:04

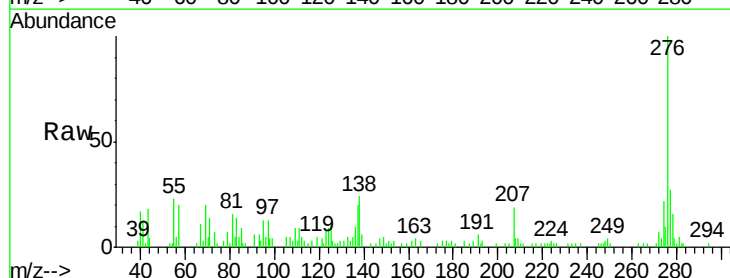
Tgt Ion:276 Resp: 37330

Ion Ratio Lower Upper

276 100

138 29.0 27.8 41.6

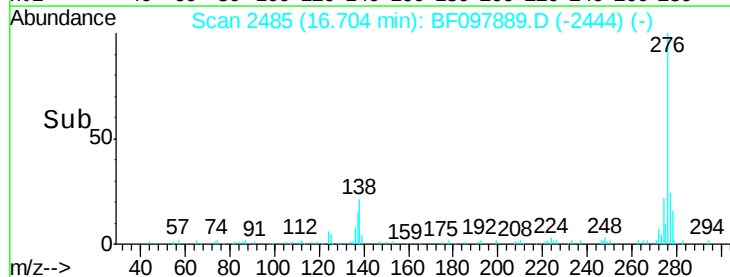
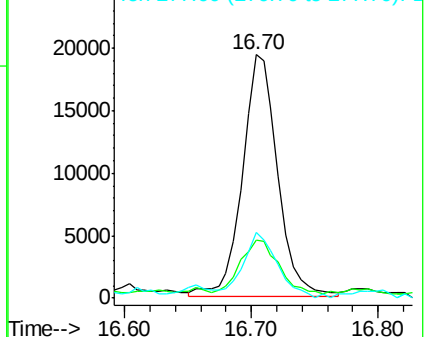
277 26.9 20.2 30.4

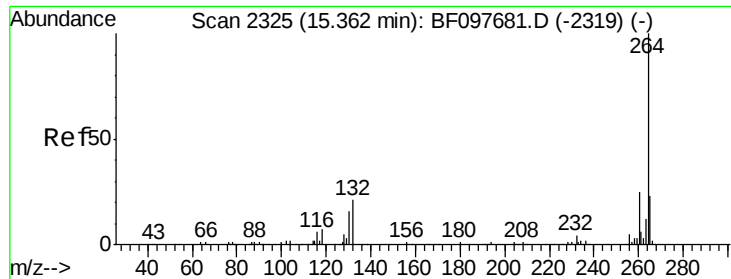


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

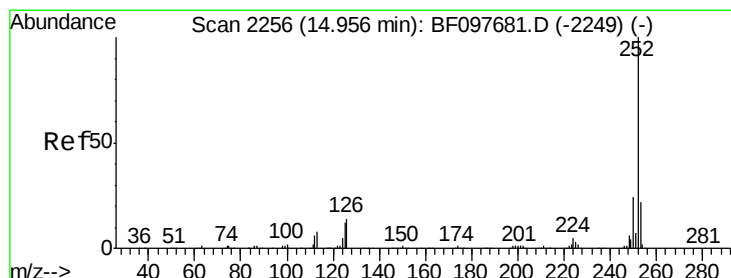
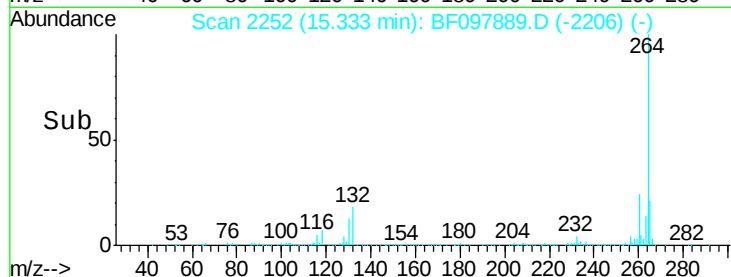
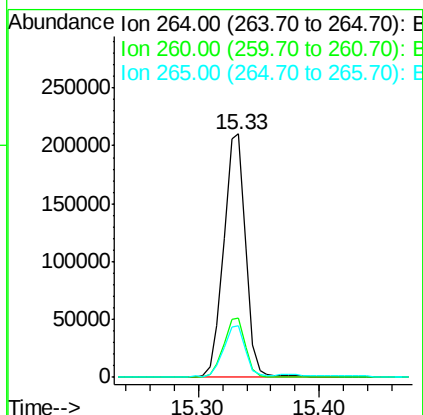
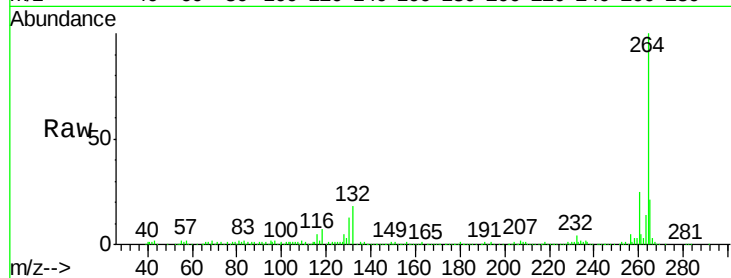




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.03 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

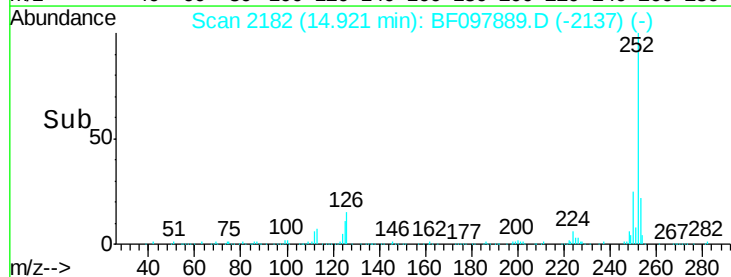
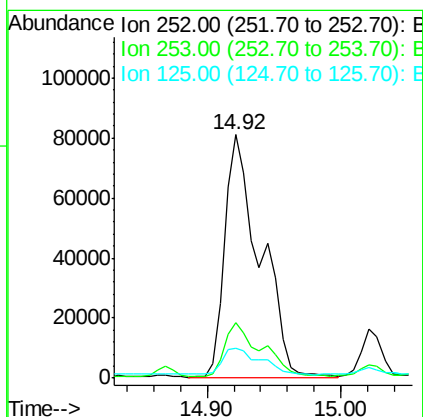
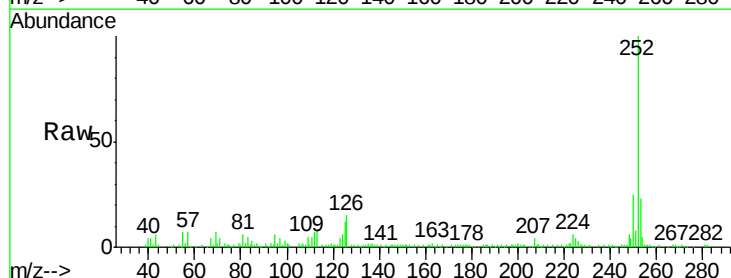
Instrument :
BNA_F
ClientSampleId :
PVSC-B-COMP

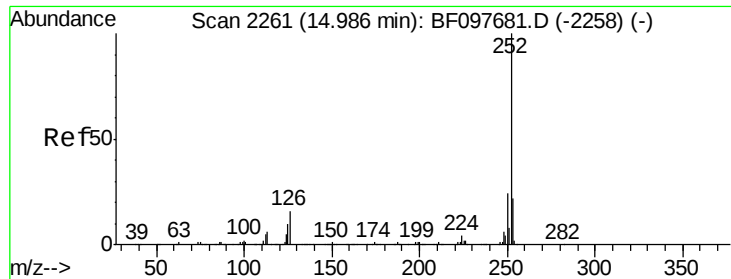
Tot Ion:264 Resp: 264168
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.06 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion:252 Resp: 150855
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 12.5 9.8 14.8

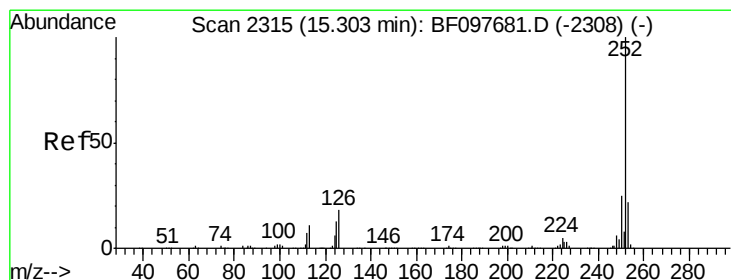
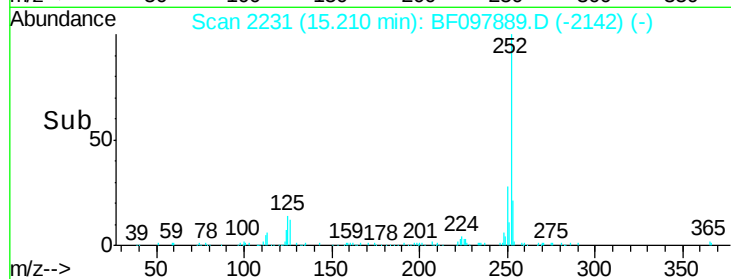
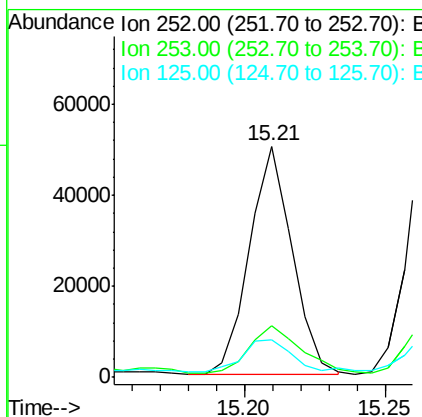
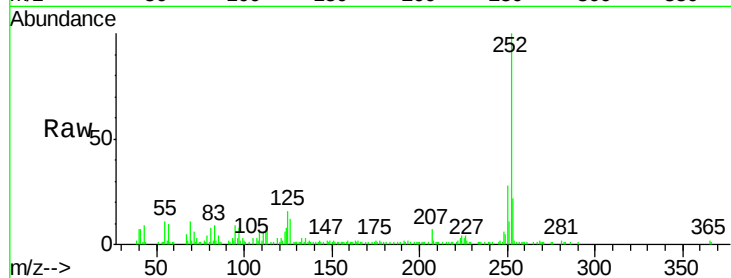




#88
Benzo(k)fluoranthene
Concen: 3.39 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.22 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

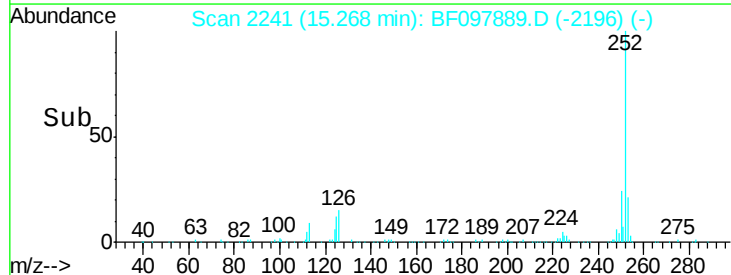
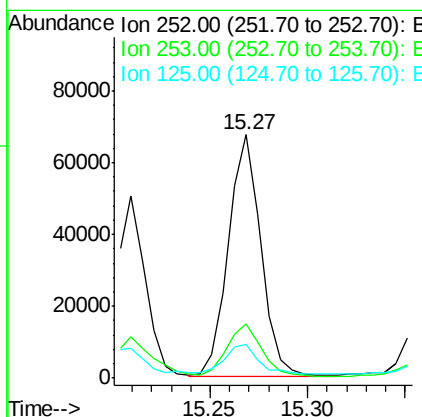
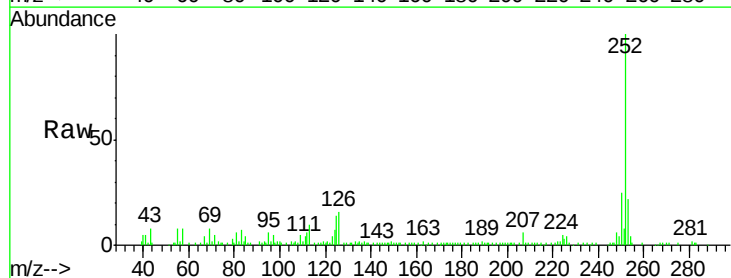
Instrument :
BNA_F
ClientSampleId :
PVSC-B-COMP

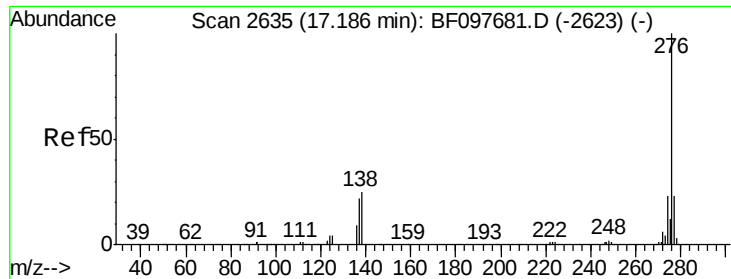
Tot Ion:252 Resp: 53063
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 16.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.29 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.04 min
Lab File: BF097889.D
Acq: 19 Aug 2017 20:04

Tgt Ion:252 Resp: 78010
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 13.9 11.0 16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.63 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.06 min
 Lab File: BF097889.D
 Acq: 19 Aug 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 PVSC-B-COMP

Tot Ion:	276	Resp:	32993
Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	26.2	25.4	38.0

