

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099927.D
 Acq On : 28 Oct 2017 19:50
 Operator : SJ/JU
 Sample : I6166-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 02:01:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

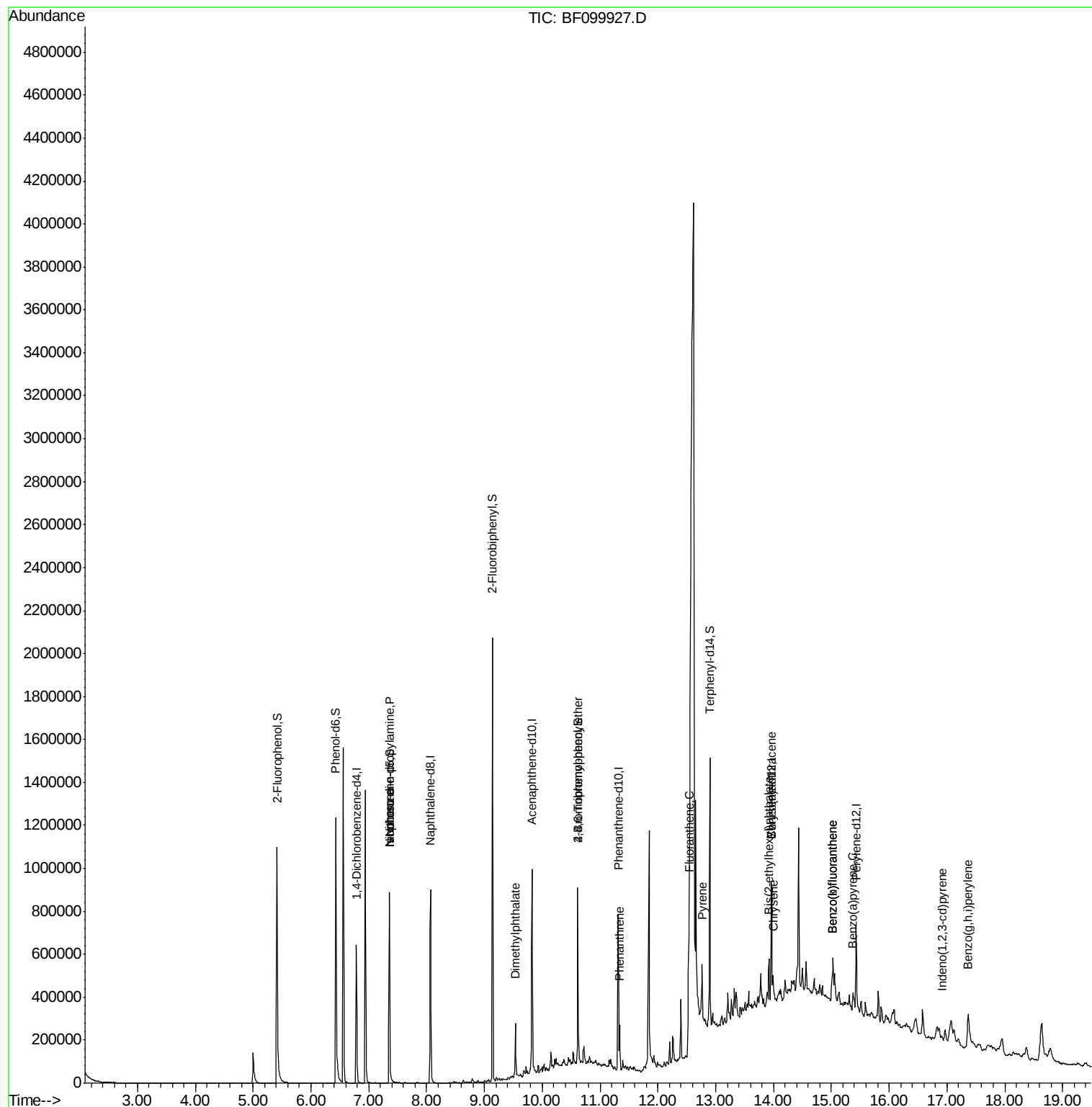
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	109456	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	437130	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	184703	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	263099	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	182041	20.00	ng	-0.02
86) Perylene-d12	15.43	264	185455	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	459069	65.85	ng	0.00
7) Phenol-d6	6.43	99	542659	65.64	ng	-0.01
23) Nitrobenzene-d5	7.36	82	313949	46.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	99877	59.34	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	656499	54.84	ng	-0.02
78) Terphenyl-d14	12.90	244	387389	46.51	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	38931	8.036	ng	# 71
25) Isophorone	7.36	82	313949	25.482	ng	# 64
49) Dimethylphthalate	9.54	163	104334	7.133	ng	99
66) 4-Bromophenyl-phenylether	10.62	248	6416	2.316	ng	# 1
70) Phenanthrene	11.34	178	75671	5.096	ng	99
74) Fluoranthene	12.53	202	100513	6.514	ng	97
77) Pyrene	12.76	202	89758	6.484	ng	98
80) Benzo(a)anthracene	13.96	228	45238	3.920	ng	96
82) Chrysene	13.99	228	38467	3.546	ng	97
83) Bis(2-ethylhexyl)phthalate	13.92	149	53596	5.599	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	23789	2.388	ng	93
87) Benzo(b)fluoranthene	15.01	252	75067	6.410	ng	# 84
88) Benzo(k)fluoranthene	15.01	252	75067	6.798	ng	# 86
89) Benzo(a)pyrene	15.37	252	38870	3.695	ng	# 84
91) Benzo(a,h,i)perylene	17.36	276	22249	2.433	ng	# 81

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

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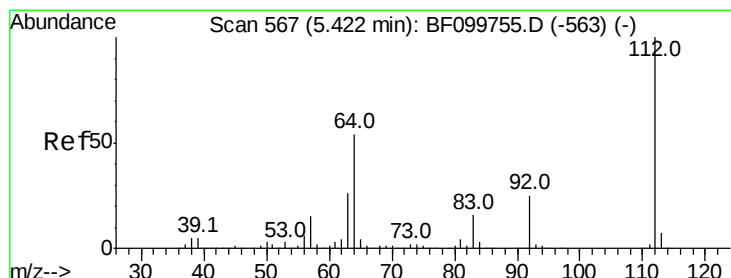
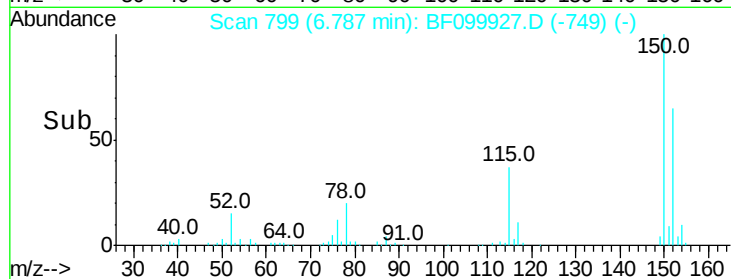
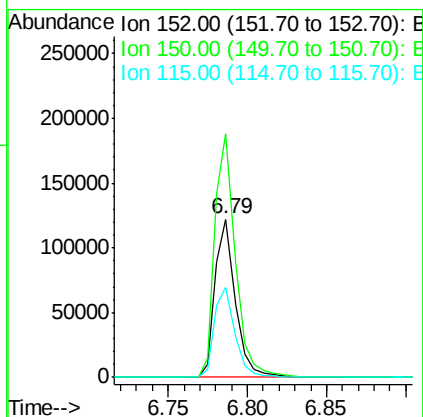
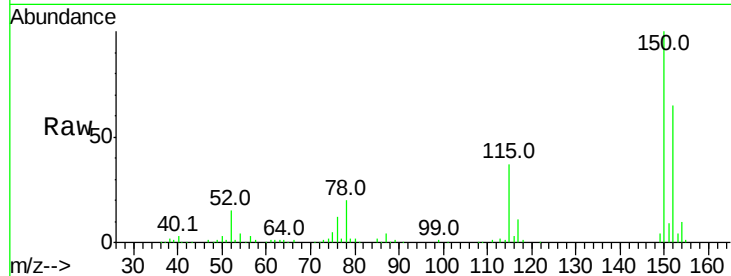


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :

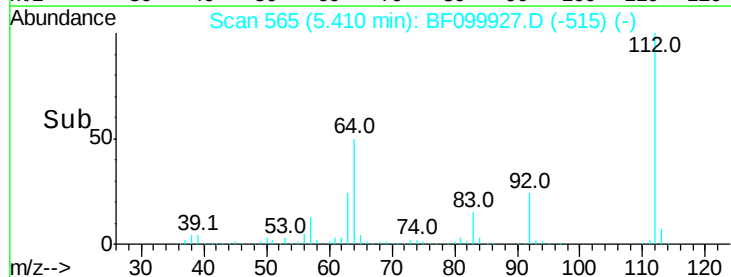
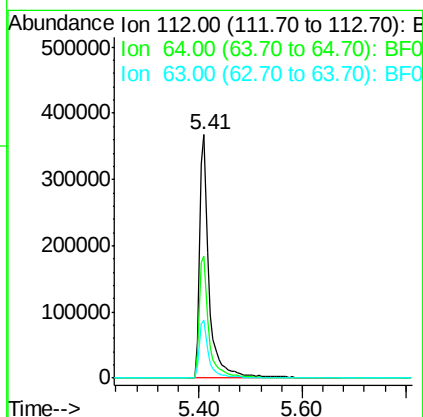
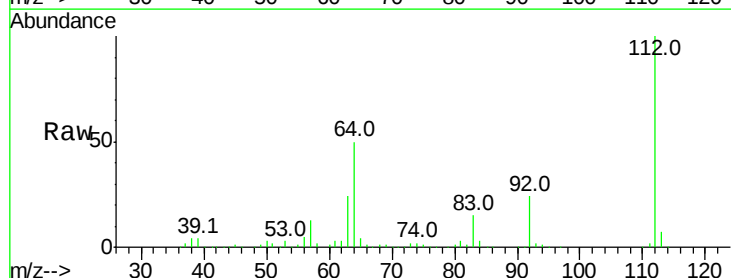
Tot Ion:152 Resp: 109456
 Ion Ratio Lower Upper
 152 100
 150 153.6 124.6 186.8
 115 57.1 50.1 75.1



#5

2-Fluorophenol
 Concen: 65.846 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Tgt Ion:112 Resp: 459069
 Ion Ratio Lower Upper
 112 100
 64 50.3 47.9 71.9
 63 23.7 23.7 35.5#





#7

Phenol-d6

Concen: 65.644 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

Instrument :

BNA_F

ClientSampleId :

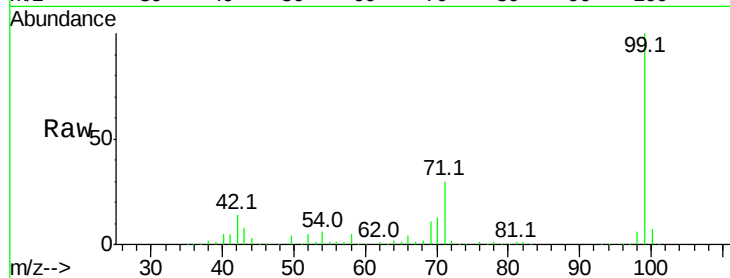
Tot Ion: 99 Resp: 542659

Ion Ratio Lower Upper

99 100

42 14.0 14.5 21.7#

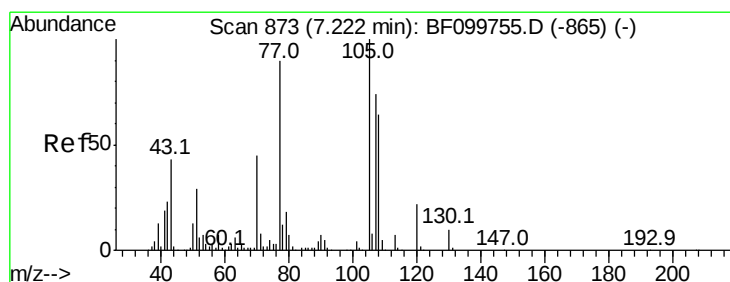
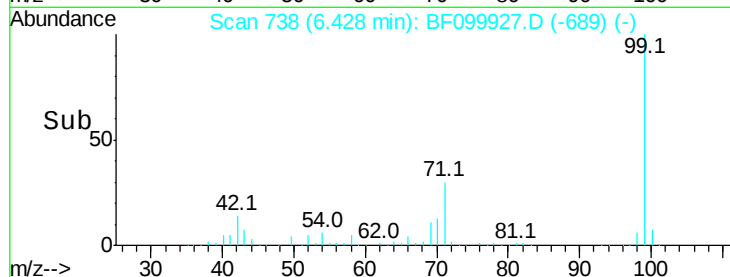
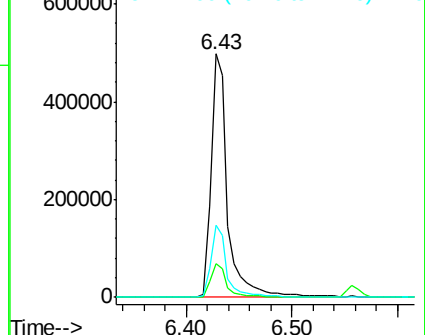
71 29.5 25.4 38.0



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: 8.036 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

Tgt Ion: 70 Resp: 38931

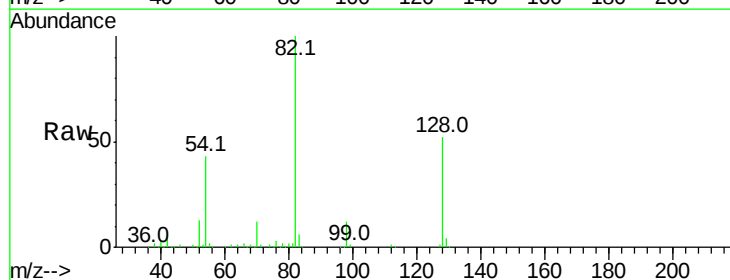
Ion Ratio Lower Upper

70 100

42 39.4 47.5 71.3#

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

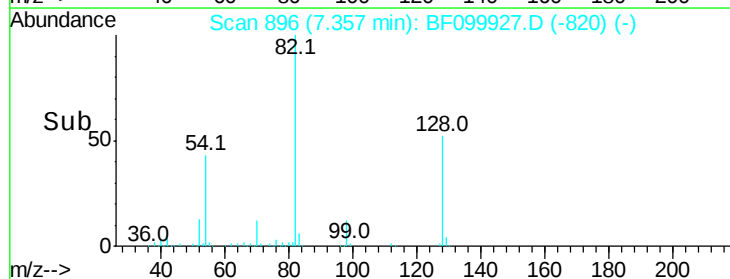
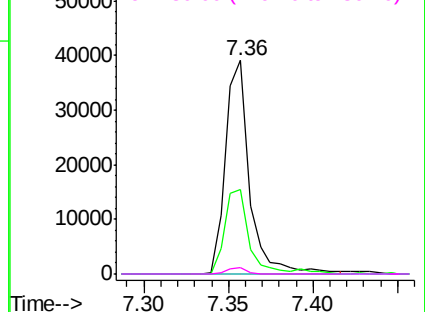


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

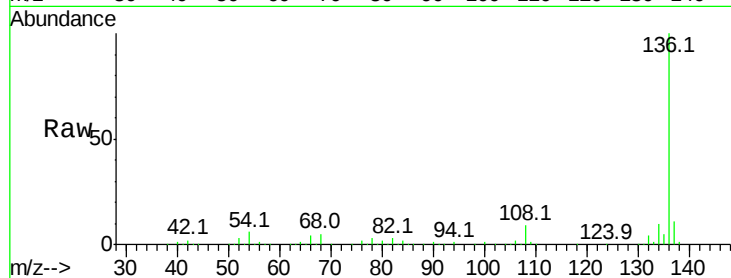




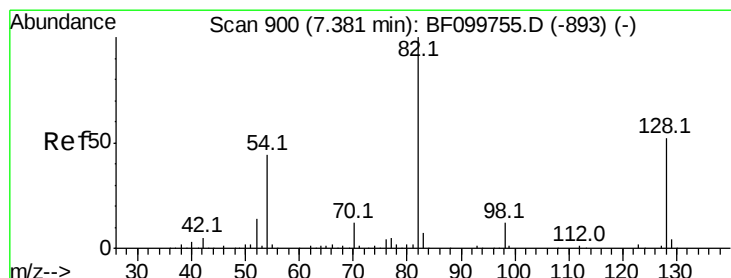
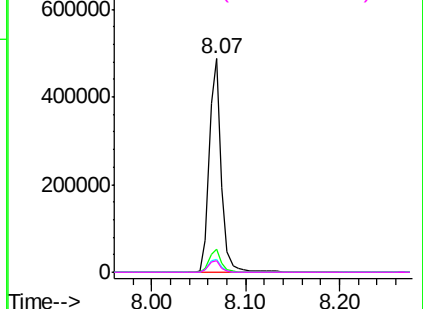
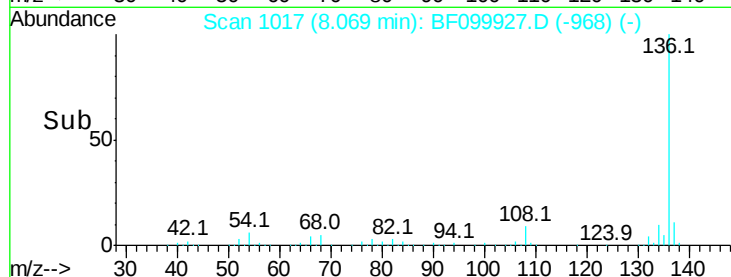
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	437130
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.9	6.6	9.8#
68	5.4	5.0	7.4

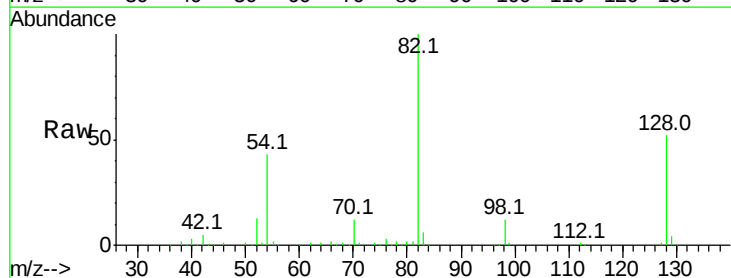


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

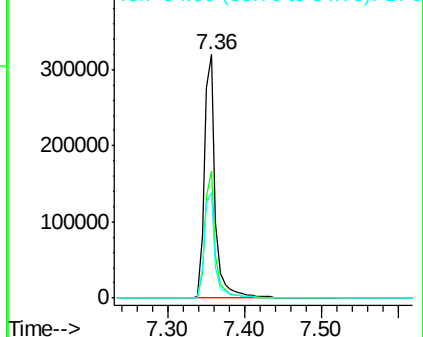
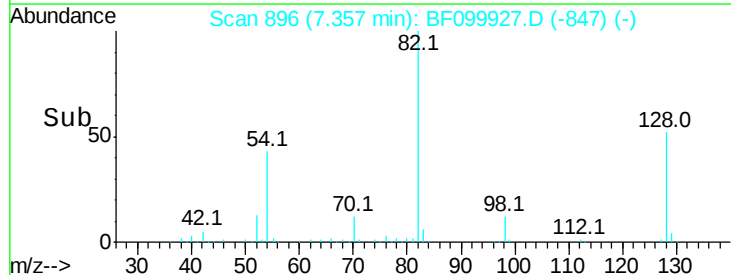


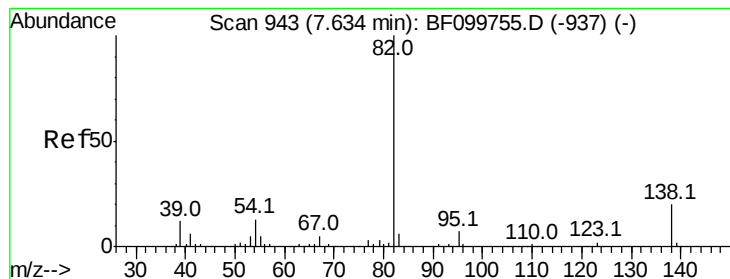
#23
Nitrobenzene-d5
Concen: 46.238 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

Tgt Ion:	82	Resp:	313949
Ion	Ratio	Lower	Upper
82	100		
128	52.4	36.1	54.1
54	43.1	41.4	62.2



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





#25

Isophorone

Concen: 25.482 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

Instrument :

BNA_F

ClientSampled :

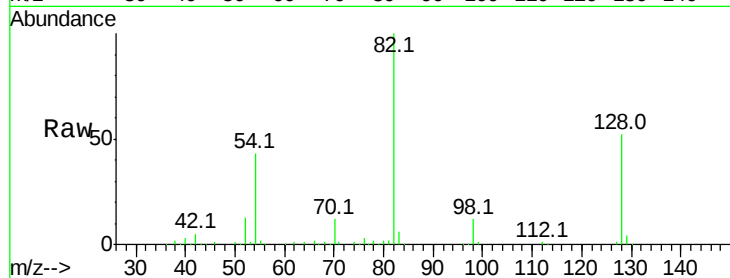
Tot Ion: 82 Resp: 313949

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

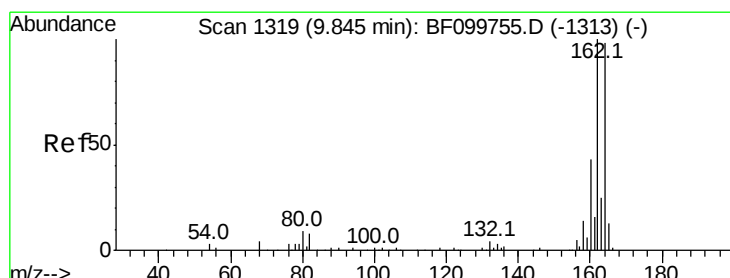
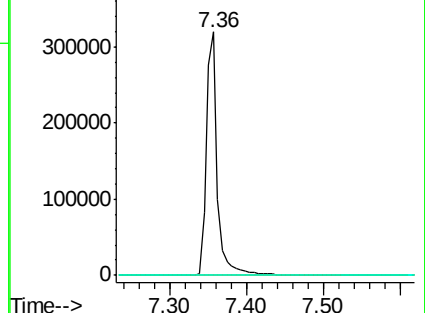
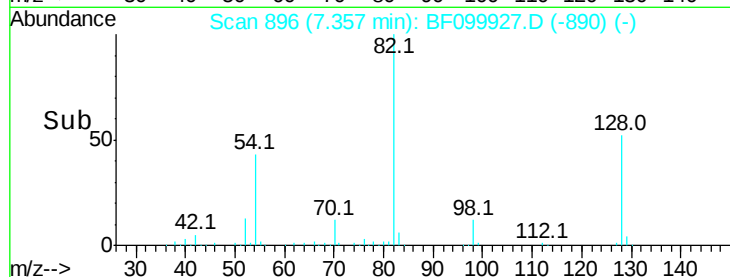
138 0.0 14.9 22.3#



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: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

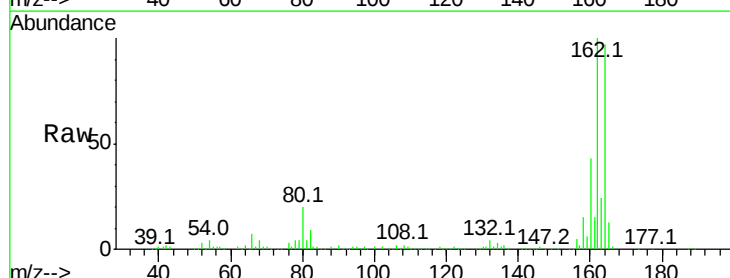
Tgt Ion:164 Resp: 184703

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

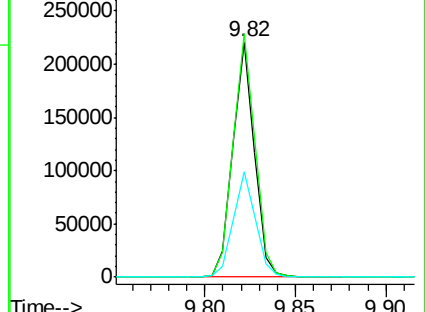
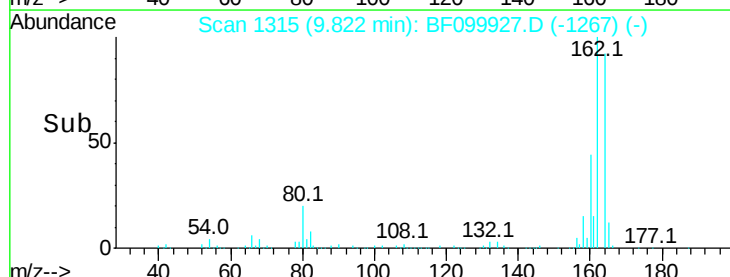
160 44.9 38.3 57.5



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

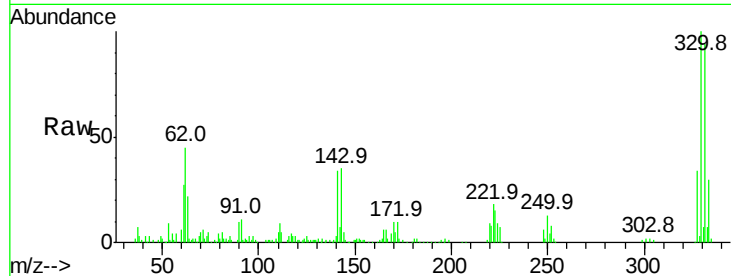




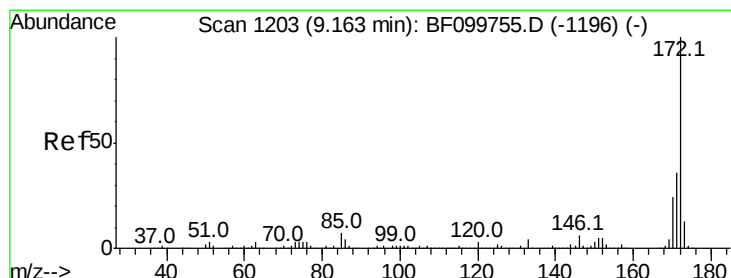
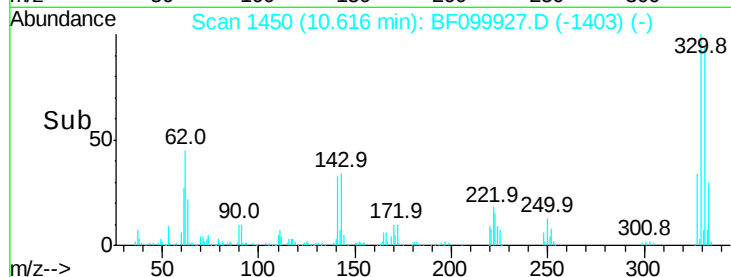
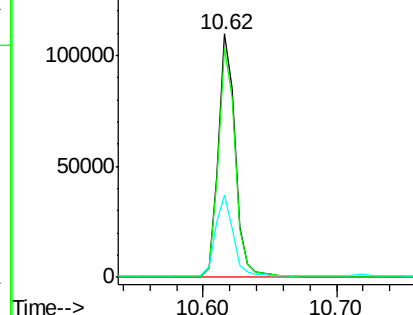
#41
 2,4,6-Tribromophenol
 Concen: 59.337 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	33.5	29.9	44.9

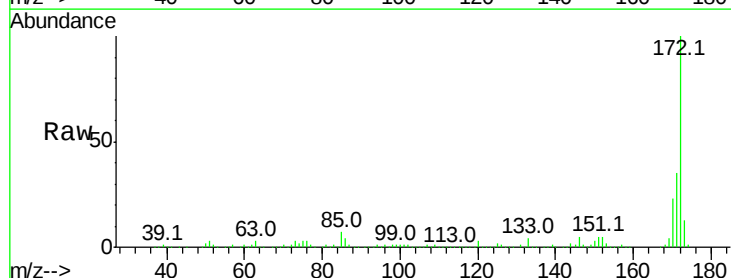


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

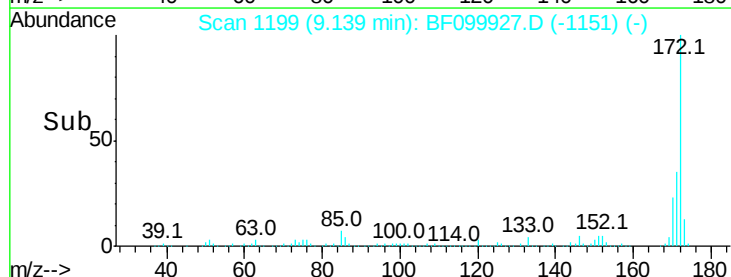
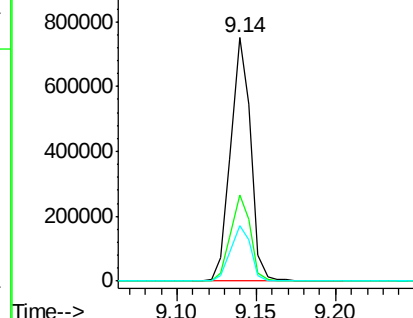


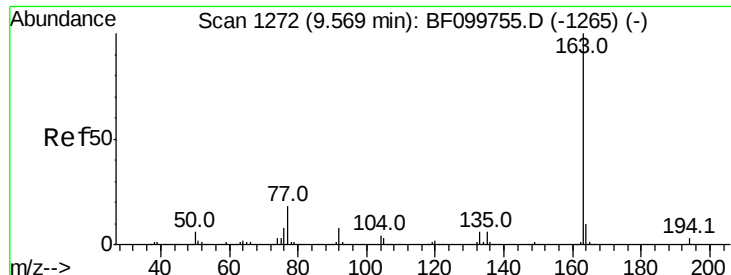
#44
 2-Fluorobiphenyl
 Concen: 54.838 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.0	19.6	29.4



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

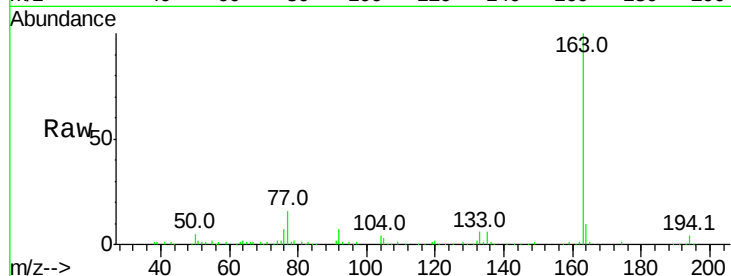




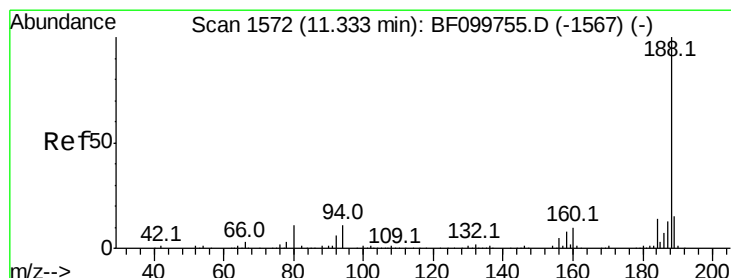
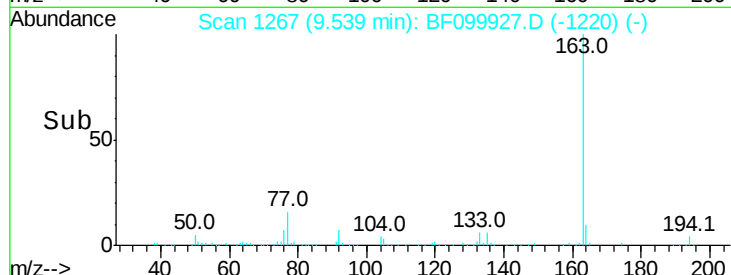
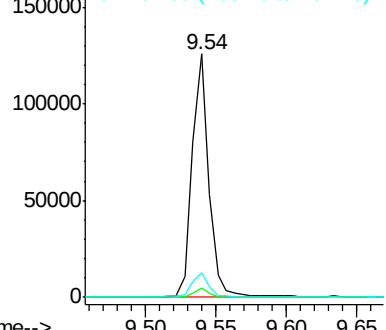
#49
 Dimethylphthalate
 Concen: 7.133 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 104334
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 10.0 8.2 12.2

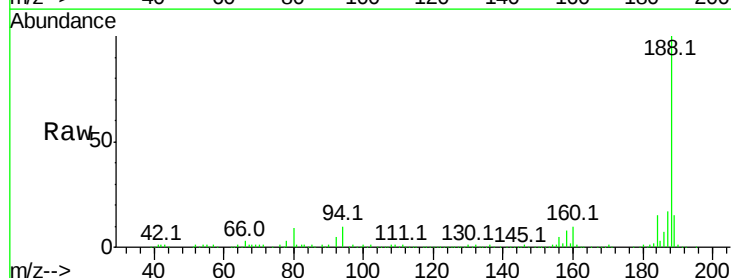


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

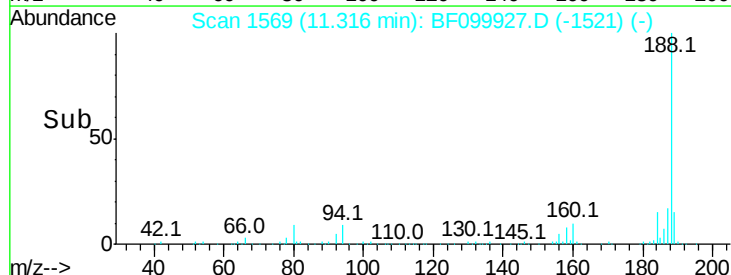
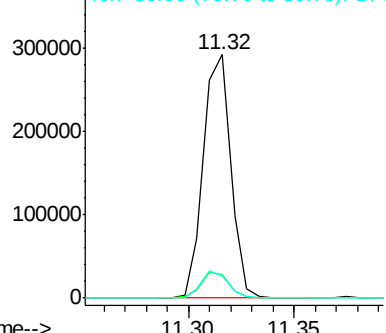


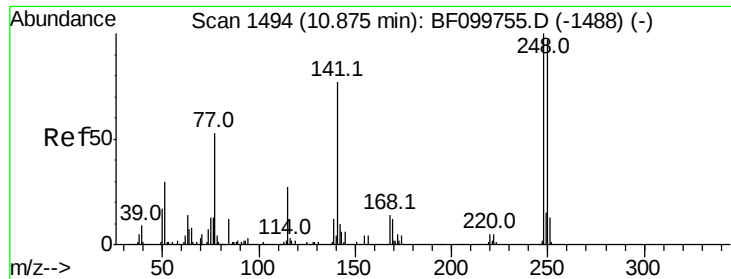
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Tgt Ion:188 Resp: 263099
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 9.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

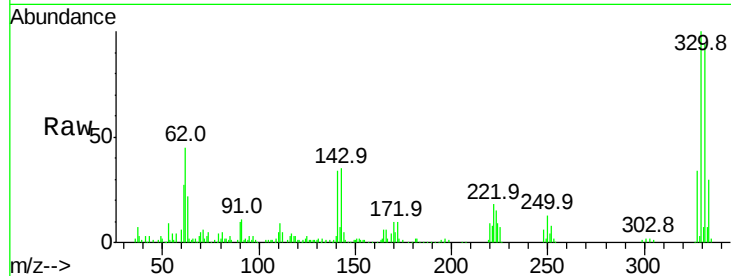




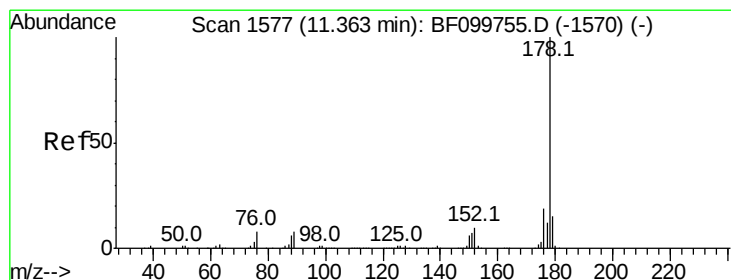
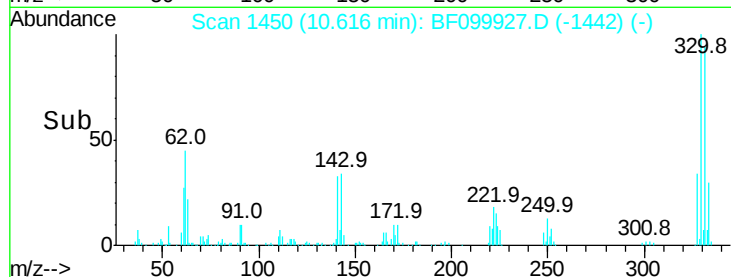
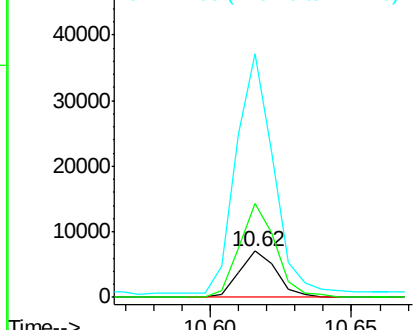
#66
 4-Bromophenyl-phenylether
 Concen: 2.316 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6416
 Ion Ratio Lower Upper
 248 100
 250 204.0 76.9 115.3#
 141 526.0 74.4 111.6#

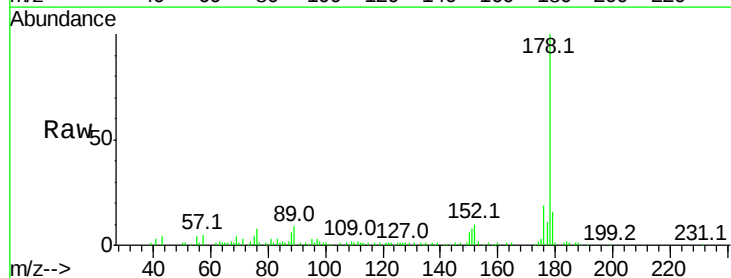


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

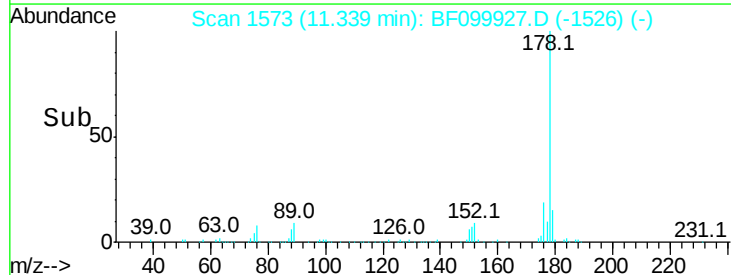
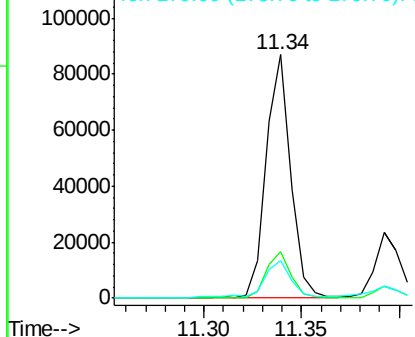


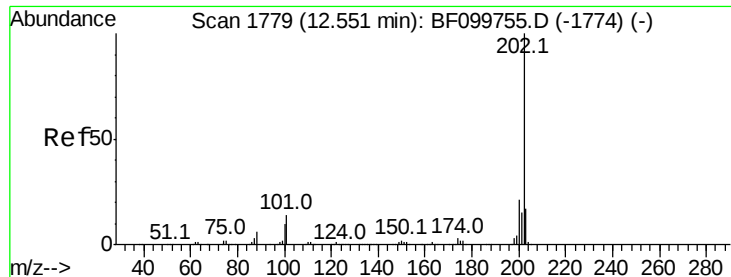
#70
 Phenanthrene
 Concen: 5.096 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Tgt Ion:178 Resp: 75671
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.7 13.0 19.6



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: 6.514 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

Instrument :

BNA_F

ClientSampleId :

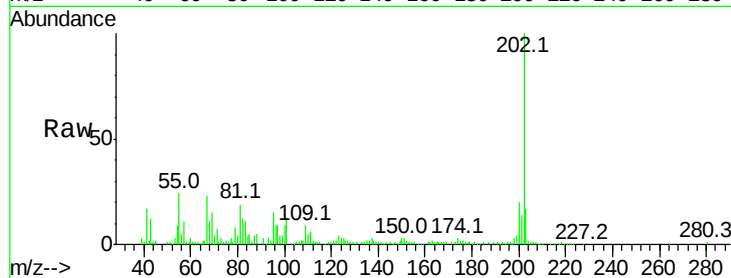
Tot Ion:202 Resp: 100513

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

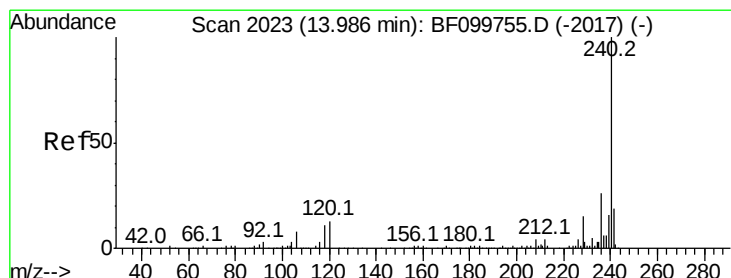
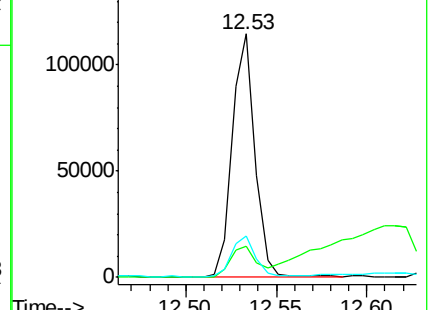
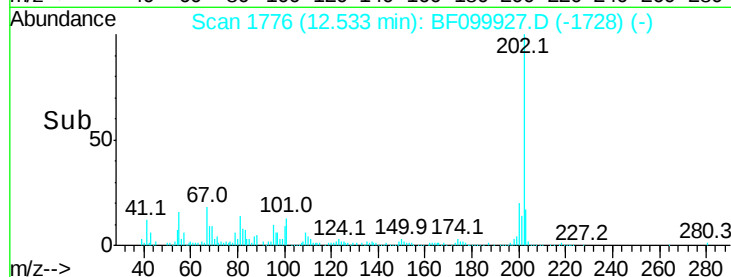
203 16.8 0.0 38.1



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: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

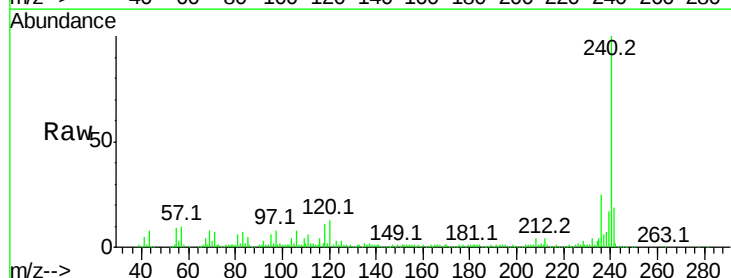
Tgt Ion:240 Resp: 182041

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

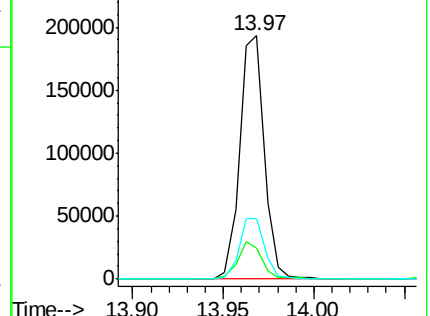
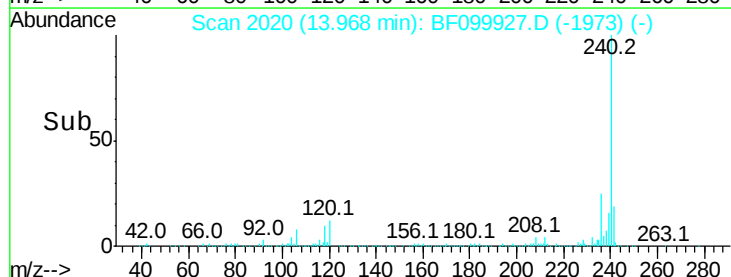
236 25.0 20.7 31.1

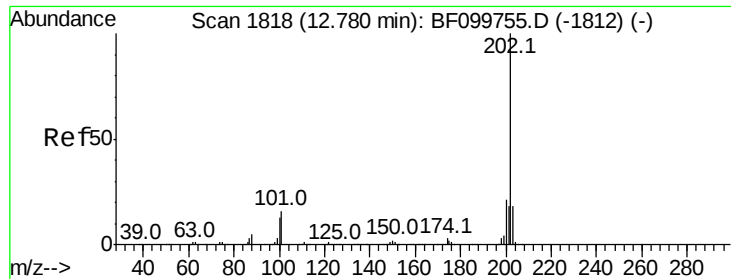


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

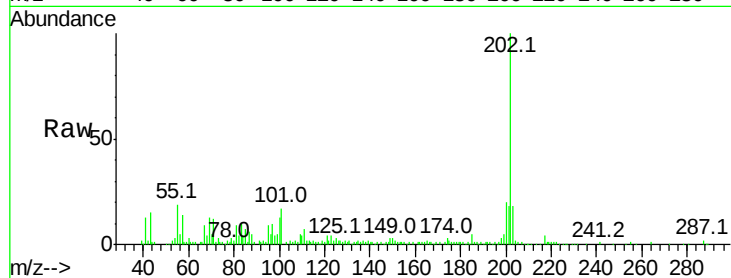




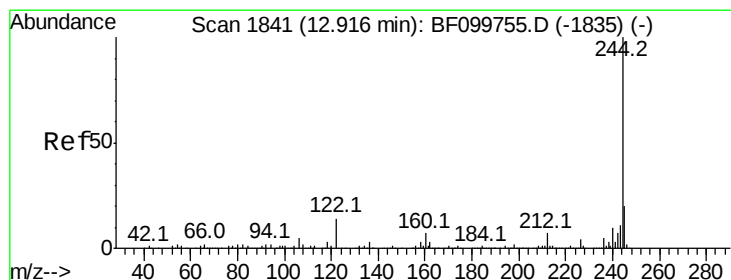
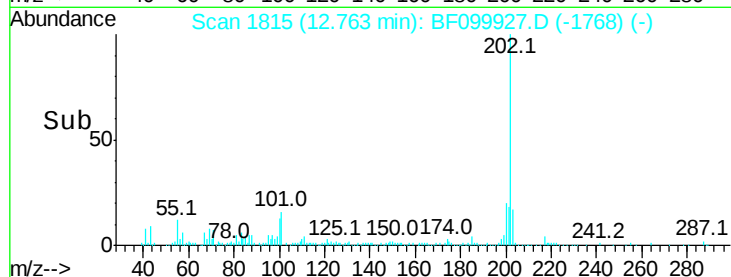
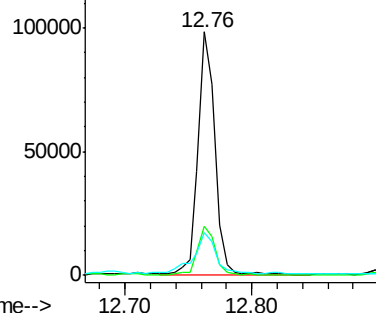
#77
Pvrene
Concen: 6.484 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.8	14.3	21.5

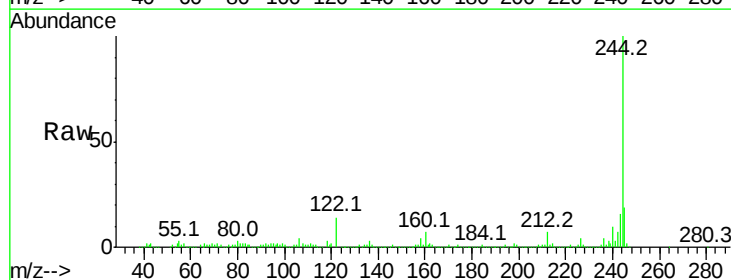


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

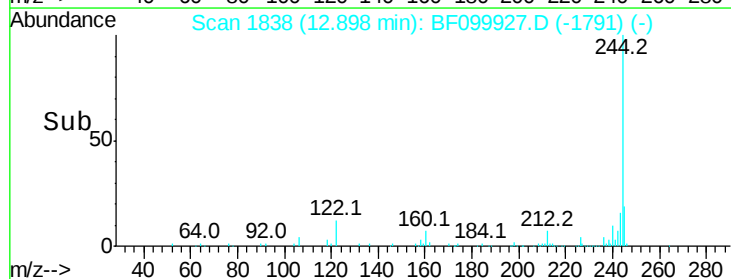
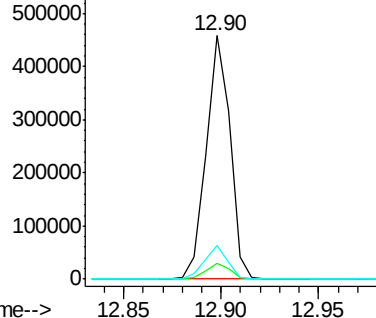


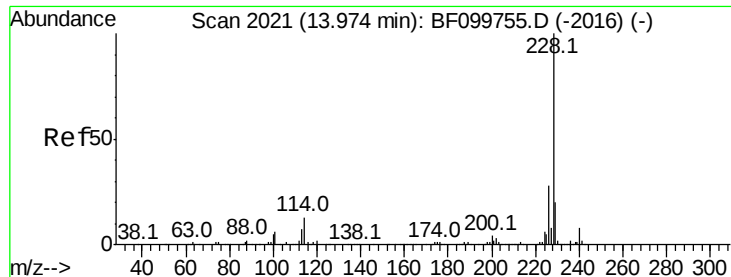
#78
Terphenyl-d14
Concen: 46.505 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.8	11.0	16.4



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: 3.920 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.02 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

Instrument :

BNA_F

ClientSampleId :

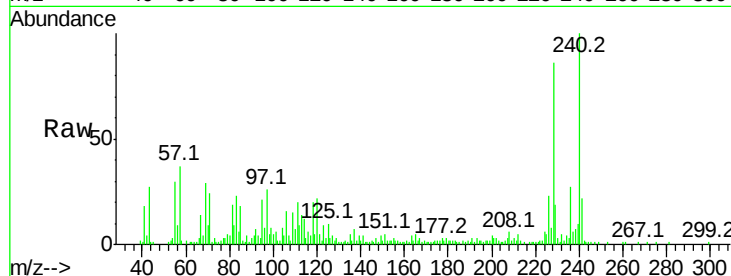
Tot Ion:228 Resp: 45238

Ion Ratio Lower Upper

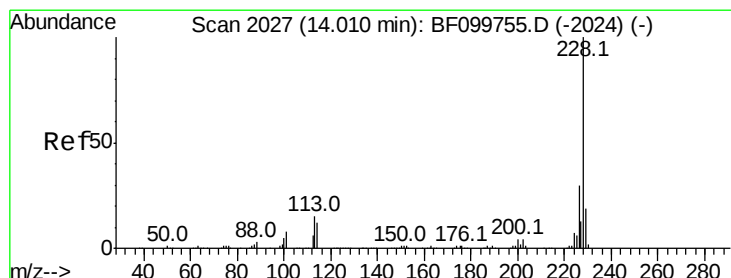
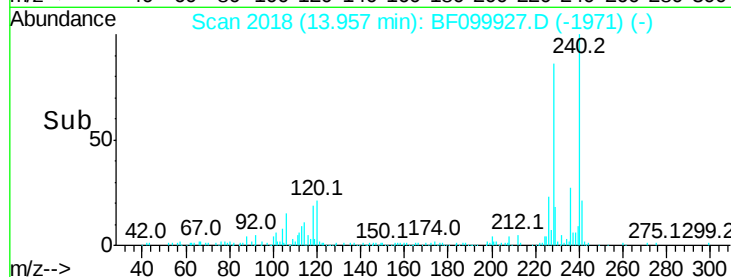
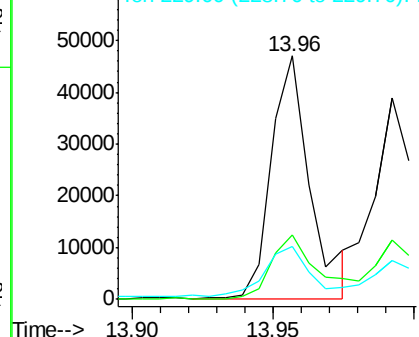
228 100

226 26.7 22.6 33.8

229 21.8 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



#82

Chrysene

Concen: 3.546 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

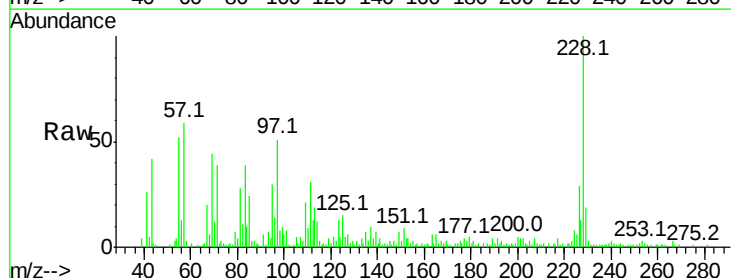
Tgt Ion:228 Resp: 38467

Ion Ratio Lower Upper

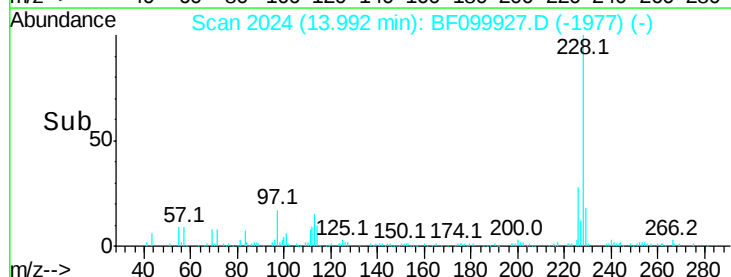
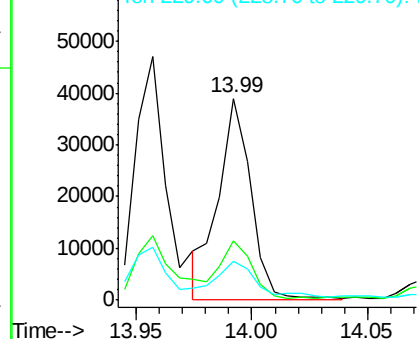
228 100

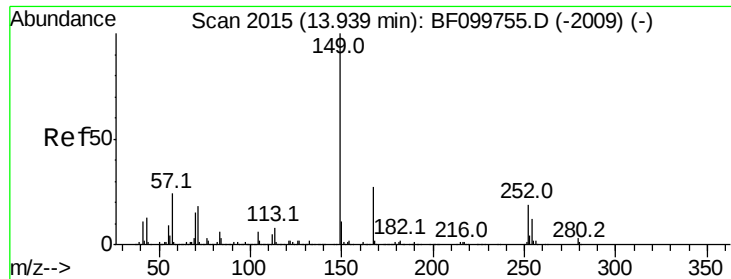
226 29.5 25.0 37.6

229 19.3 16.2 24.4



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

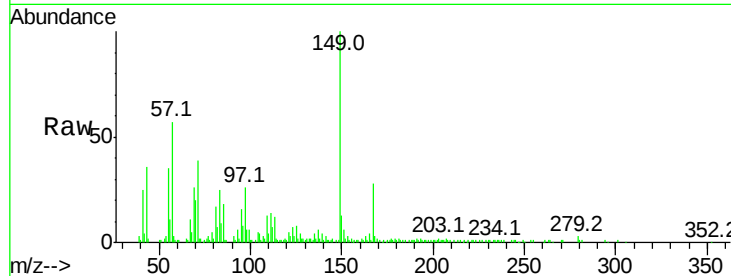




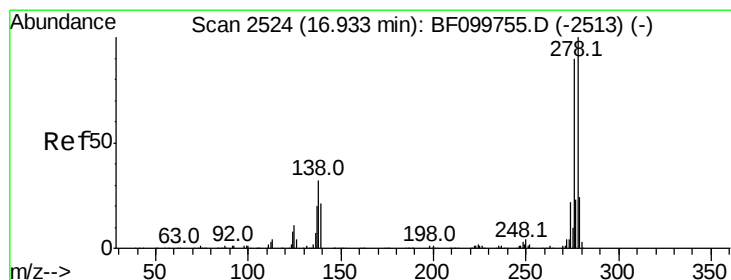
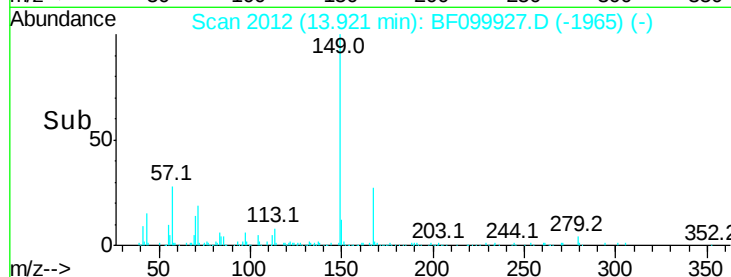
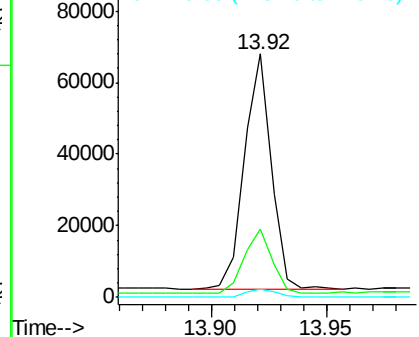
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.599 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.3	31.9
279	3.4	3.0	4.4

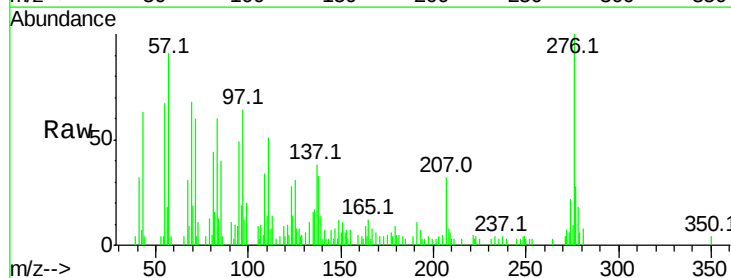


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

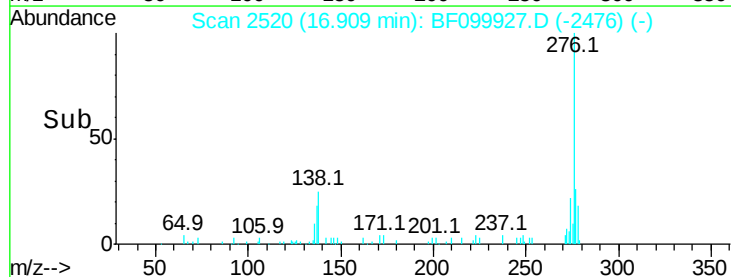
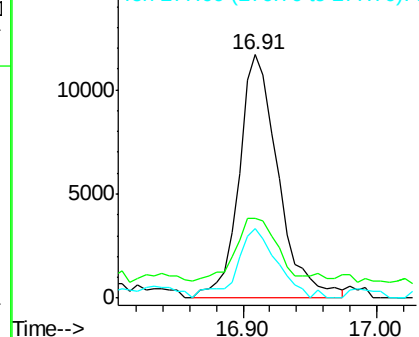


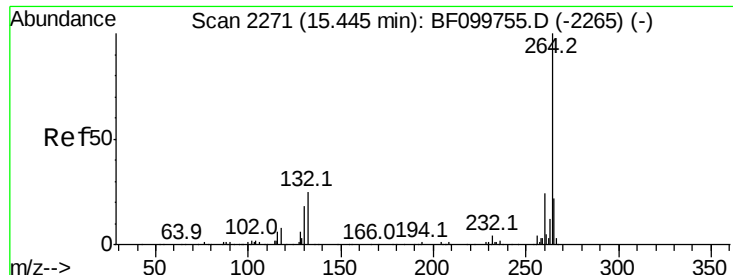
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.388 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.04 min
 Lab File: BF099927.D
 Acq: 28 Oct 2017 19:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	29.4	20.1	30.1



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

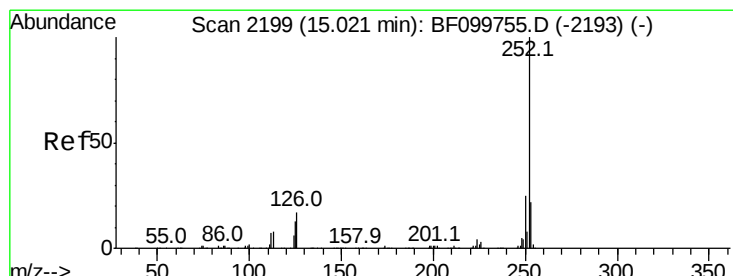
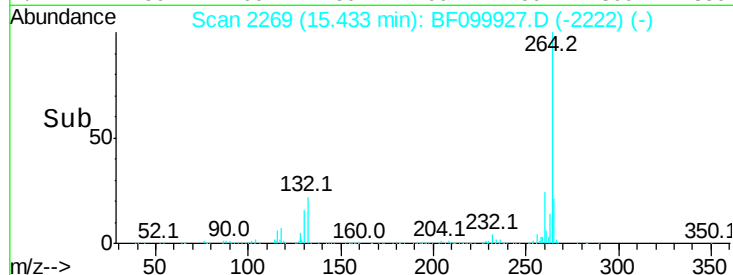
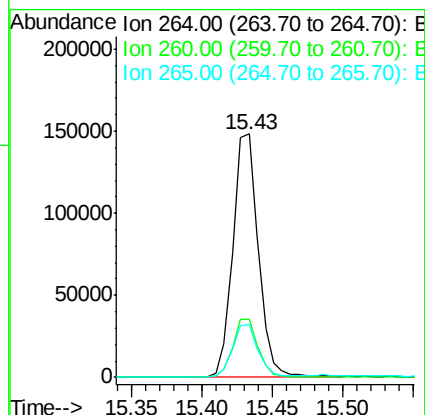
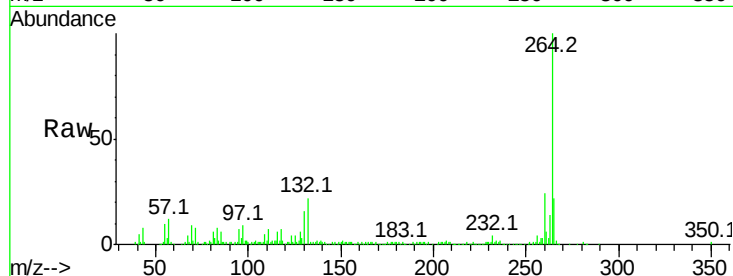




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

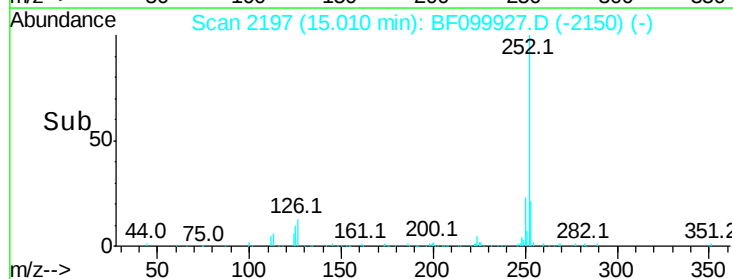
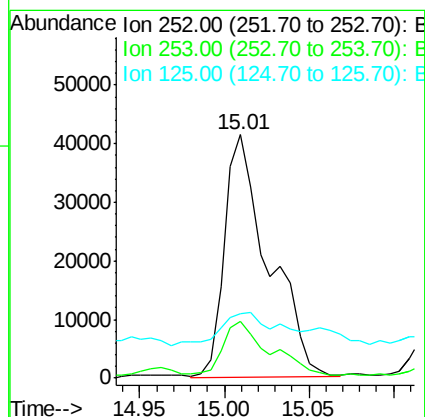
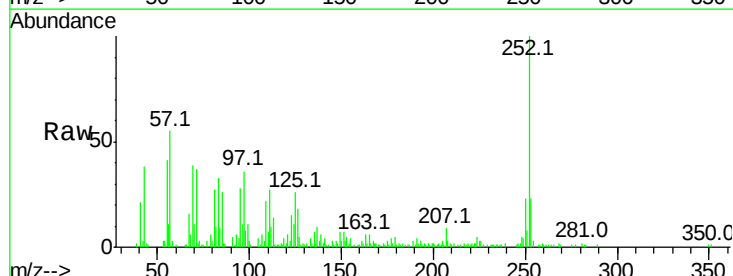
Instrument :
BNA_F
ClientSampleId :

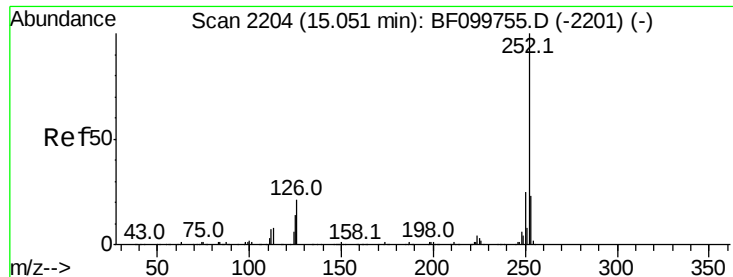
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 6.410 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	26.5	9.0	13.6

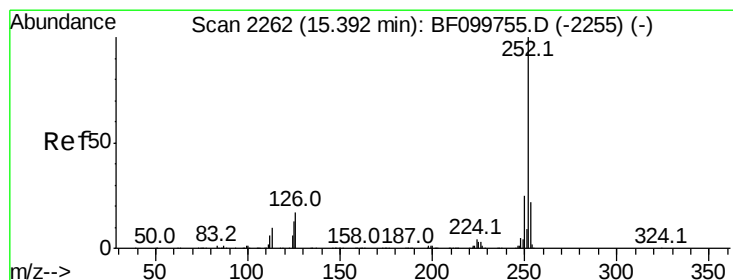
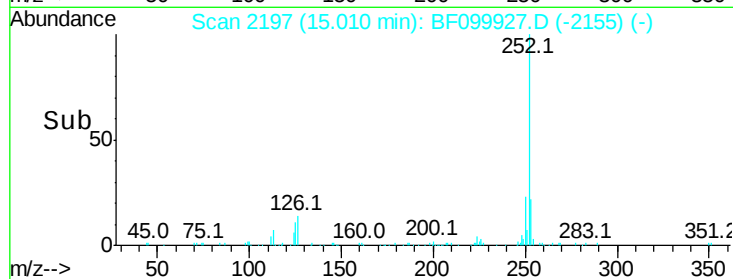
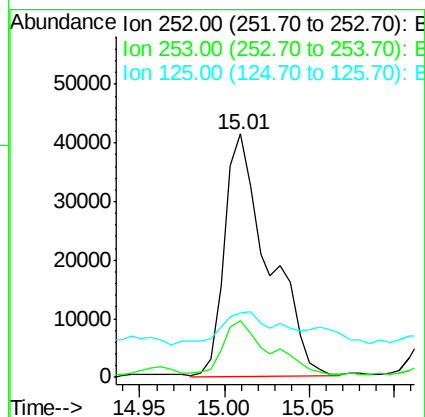
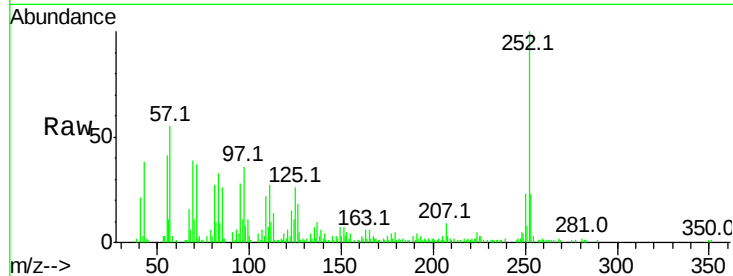




#88
Benzo(k)fluoranthene
Concen: 6.798 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.05 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

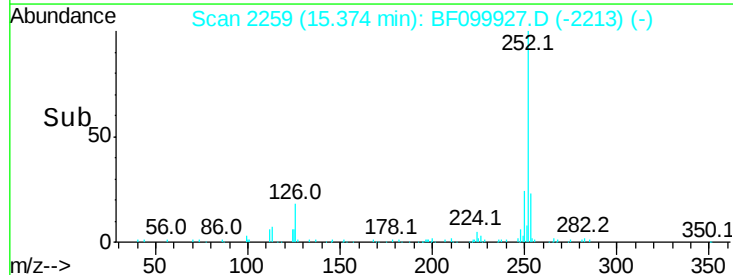
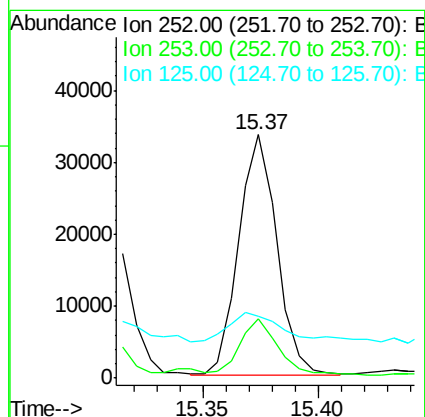
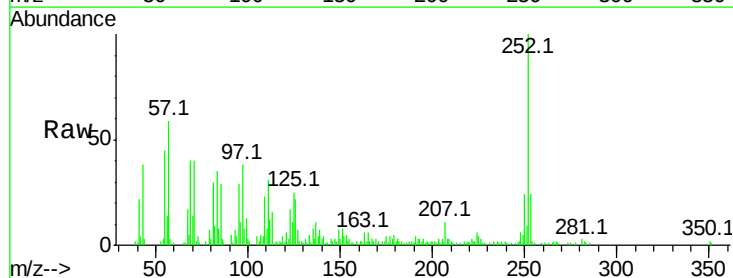
Instrument :
BNA_F
ClientSampleId :

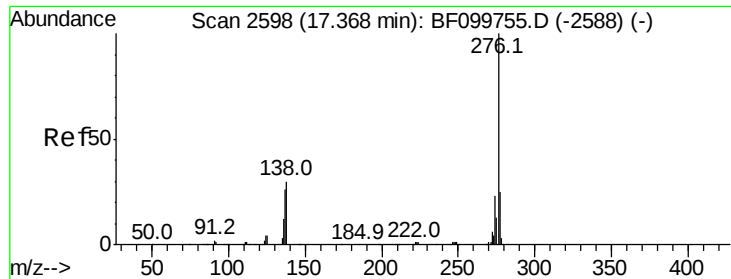
Tot Ion:252 Resp: 75067
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 26.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.695 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF099927.D
Acq: 28 Oct 2017 19:50

Tgt Ion:252 Resp: 38870
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 25.3 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.433 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.04 min

Lab File: BF099927.D

Acq: 28 Oct 2017 19:50

Instrument :

BNA_F

ClientSampleId :

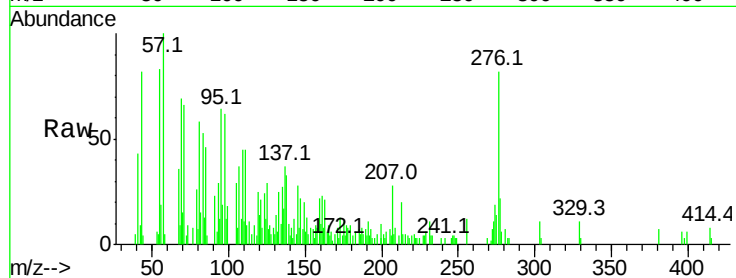
Tot Ion:276 Resp: 22249

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 40.7 21.8 32.8#



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

