

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099928.D
 Acq On : 28 Oct 2017 20:18
 Operator : SJ/JU
 Sample : I6167-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 02:01:49 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	100826	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	412233	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	178525	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	261153	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	178099	20.00	ng	-0.02
86) Perylene-d12	15.43	264	181177	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	503788	78.45	ng	0.00
7) Phenol-d6	6.43	99	612514	80.44	ng	0.00
23) Nitrobenzene-d5	7.36	82	353130	55.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	101548	62.42	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	502734	43.45	ng	-0.02
78) Terphenyl-d14	12.90	244	306936	37.66	ng	-0.02

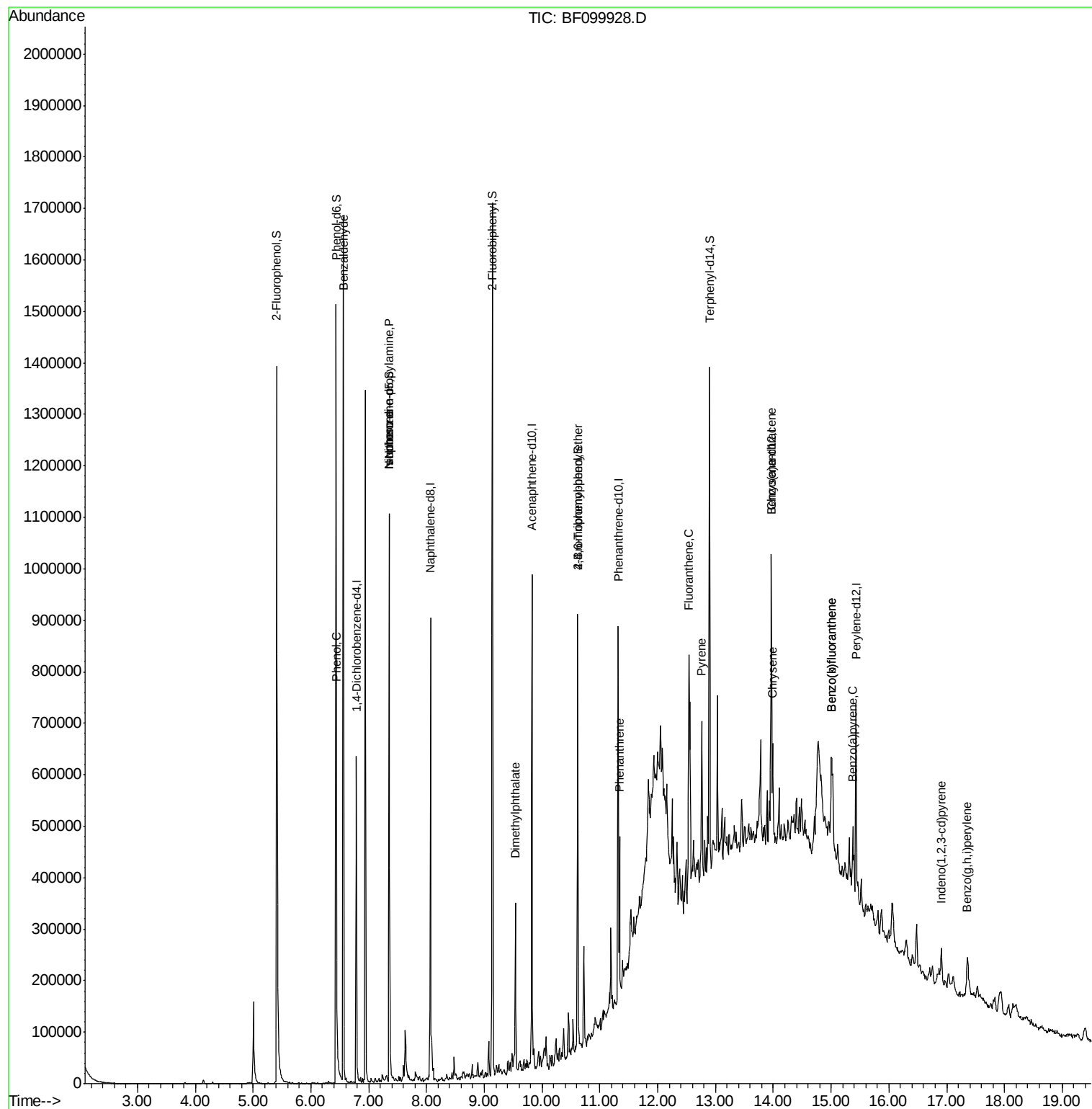
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	9318	2.048	ng	92
10) Phenol	6.45	94	16999	2.033	ng	82
19) n-Nitroso-di-n-propylamine	7.36	70	45884	10.282	ng	# 69
25) Isophorone	7.36	82	353130	30.393	ng	# 64
49) Dimethylphthalate	9.54	163	124029	8.773	ng	99
66) 4-Bromophenyl-phenylether	10.62	248	6964	2.533	ng	# 1
70) Phenanthrene	11.34	178	112759	7.651	ng	97
74) Fluoranthene	12.53	202	128748	8.406	ng	98
77) Pyrene	12.76	202	116539	8.605	ng	99
80) Benzo(a)anthracene	13.96	228	73783	6.535	ng	97
82) Chrysene	13.99	228	65201	6.143	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	40537	4.160	ng	95
87) Benzo(b)fluoranthene	15.01	252	130341	11.393	ng	# 92
88) Benzo(k)fluoranthene	15.01	252	130341	12.082	ng	# 94
89) Benzo(a)pyrene	15.37	252	65045	6.329	ng	# 89
91) Benzo(g,h,i)perylene	17.36	276	38422	4.301	ng	# 90

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099928.D
Acq On : 28 Oct 2017 20:18
Operator : SJ/JU
Sample : I6167-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 30 02:01:49 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



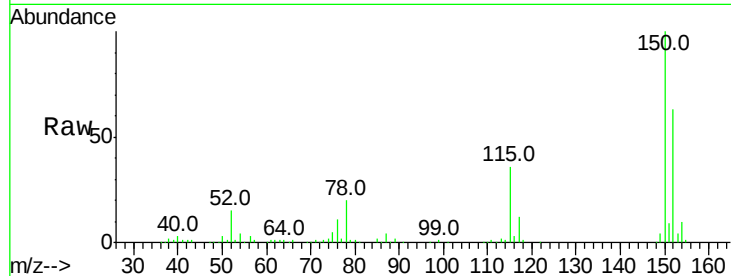


#1

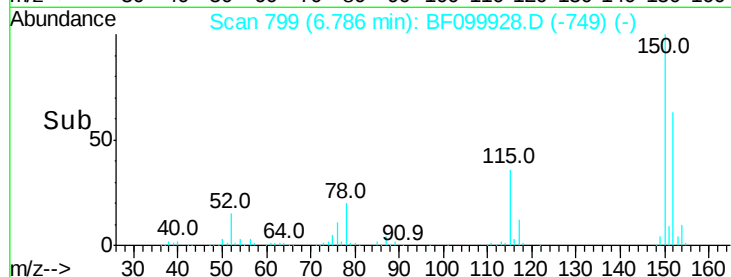
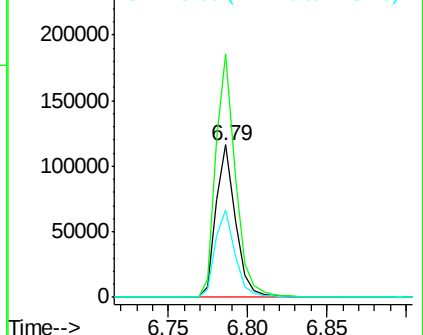
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 100826
 Ion Ratio Lower Upper
 152 100
 150 159.5 124.6 186.8
 115 57.4 50.1 75.1



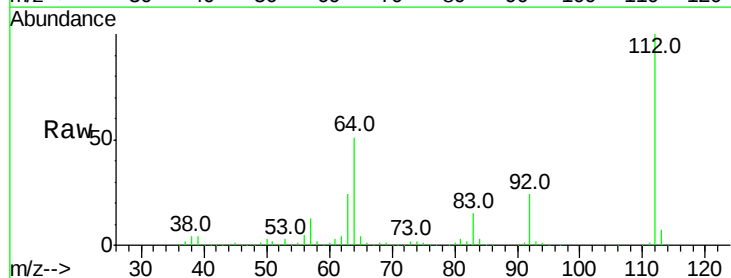
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



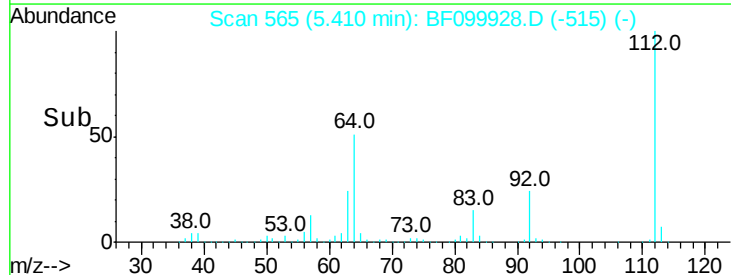
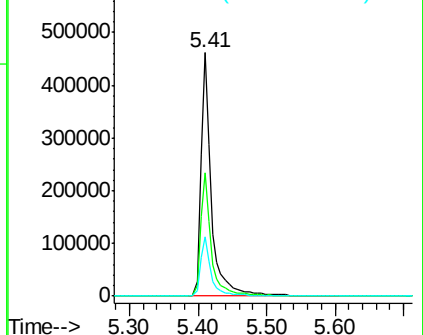
#5

2-Fluorophenol
 Concen: 78.445 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

Tgt Ion:112 Resp: 503788
 Ion Ratio Lower Upper
 112 100
 64 50.5 47.9 71.9
 63 24.3 23.7 35.5



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: 80.436 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

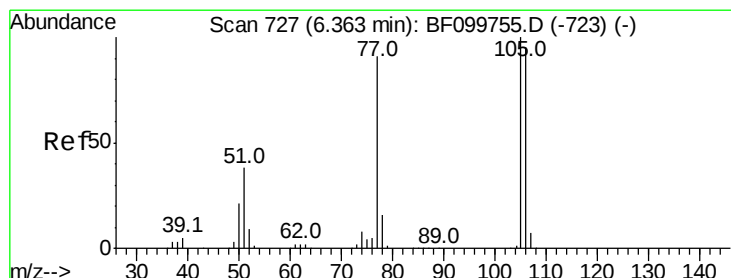
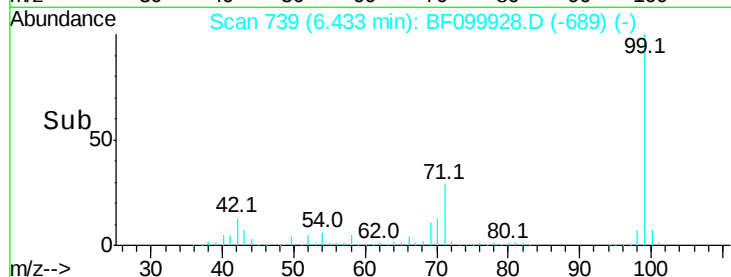
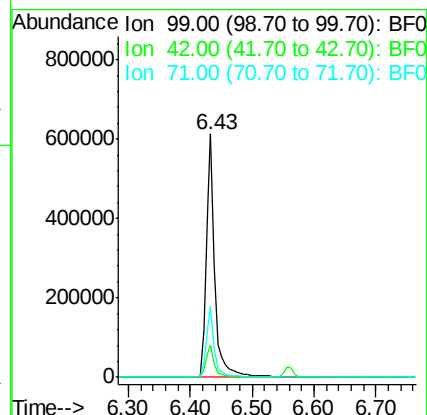
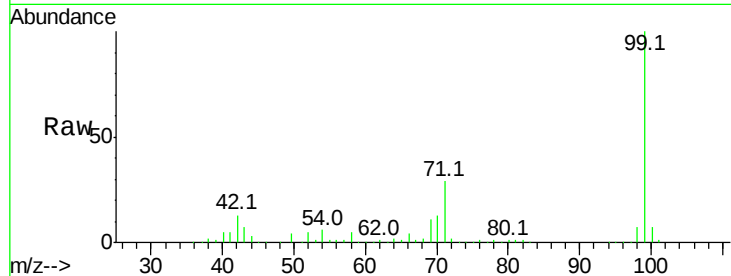
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 612514

Ion	Ratio	Lower	Upper
99	100		
42	13.5	14.5	21.7#
71	29.0	25.4	38.0



#9

Benzaldehyde

Concen: 2.048 ng

RT: 6.56 min Scan# 761

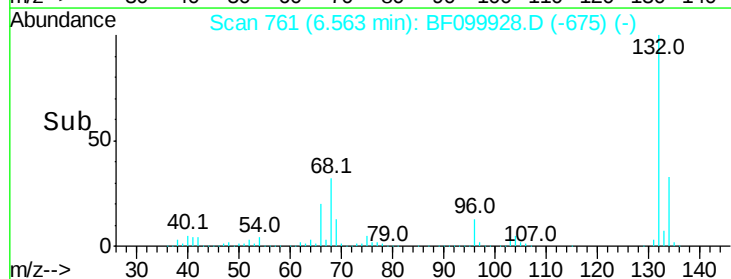
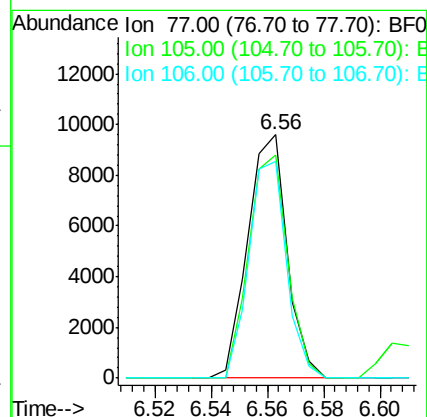
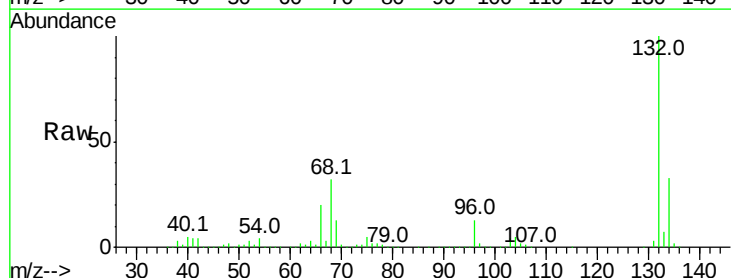
Delta R.T. 0.21 min

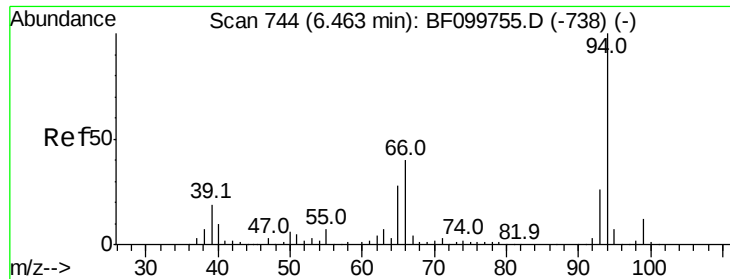
Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

Tgt Ion: 77 Resp: 9318

Ion	Ratio	Lower	Upper
77	100		
105	91.7	81.1	121.1
106	89.1	74.5	114.5





#10

Phenol

Concen: 2.033 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

Instrument :

BNA_F

ClientSampleId :

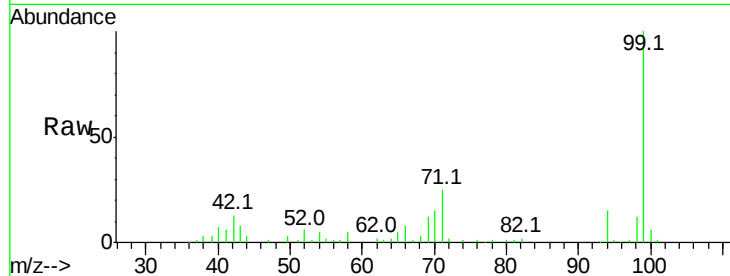
Tot Ion: 94 Resp: 16999

Ion Ratio Lower Upper

94 100

65 31.1 7.9 47.9

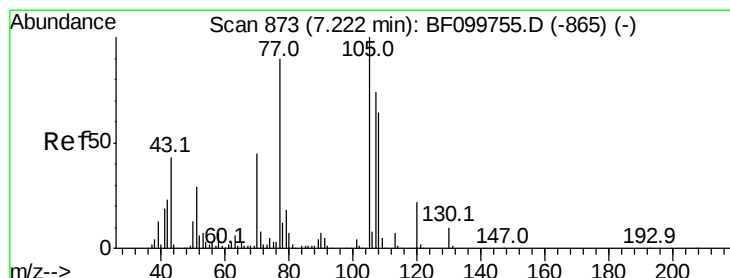
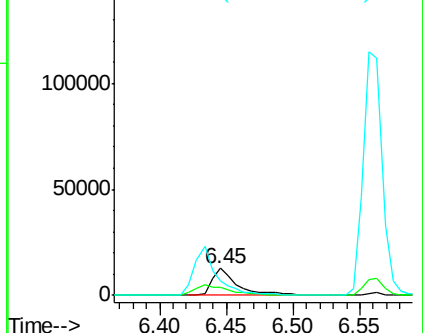
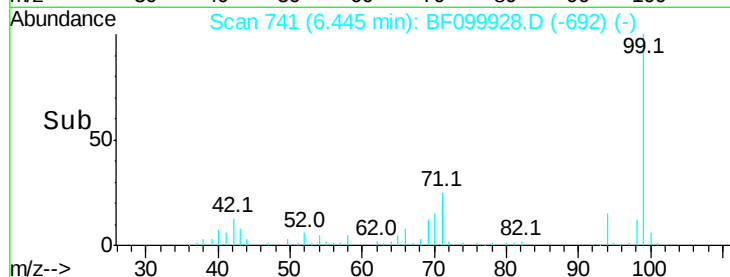
66 52.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.282 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

Tgt Ion: 70 Resp: 45884

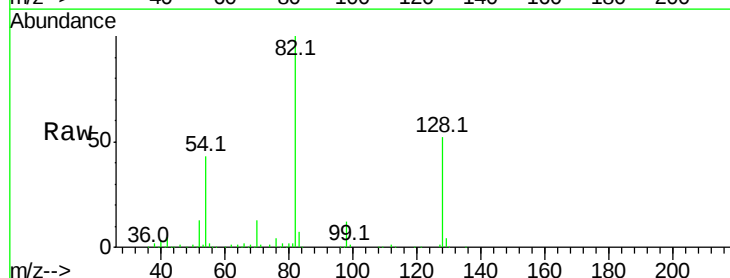
Ion Ratio Lower Upper

70 100

42 38.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

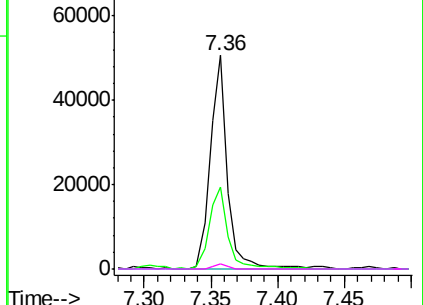
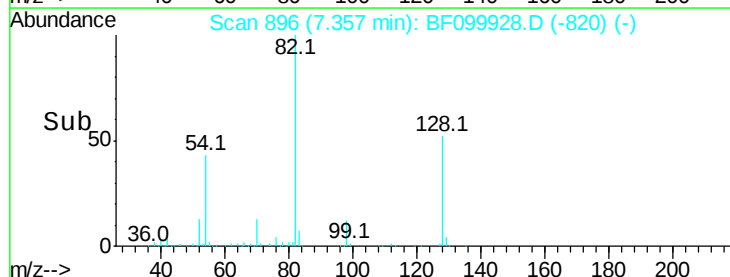


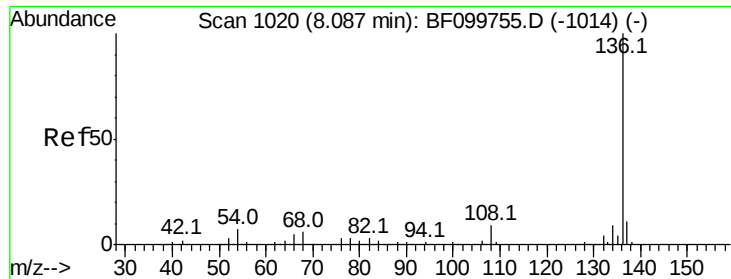
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

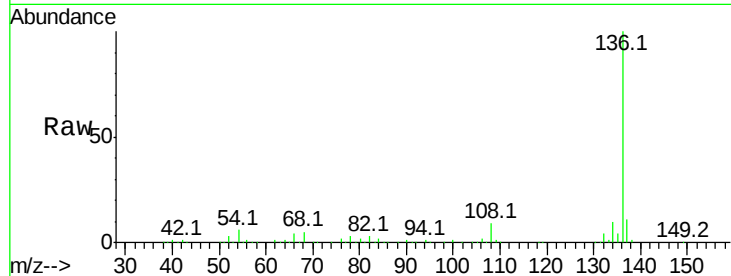




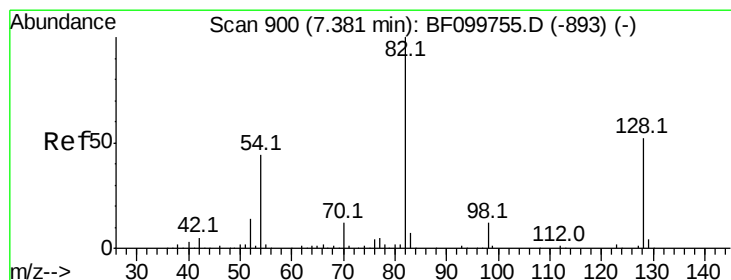
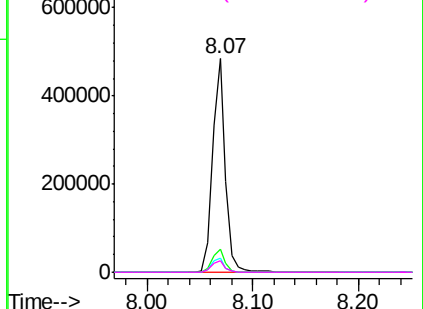
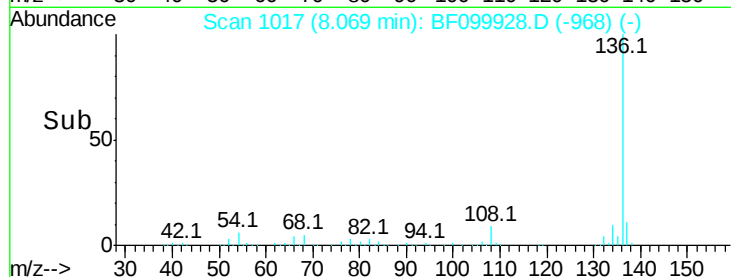
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	412233
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.4	6.6 9.8#
68	5.4	5.0 7.4

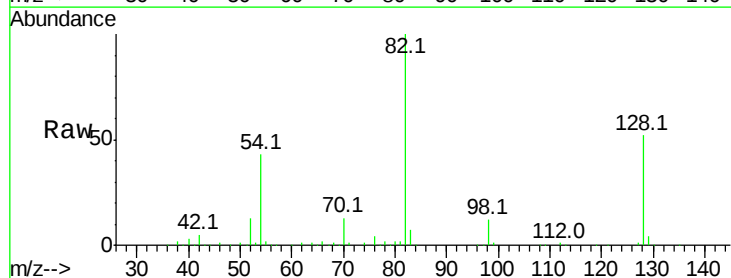


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

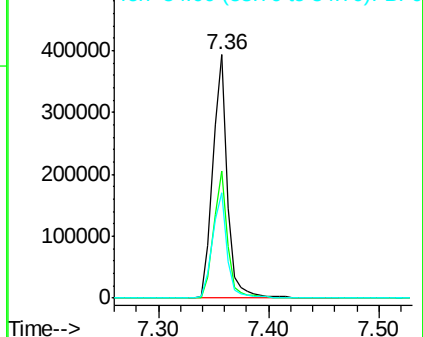
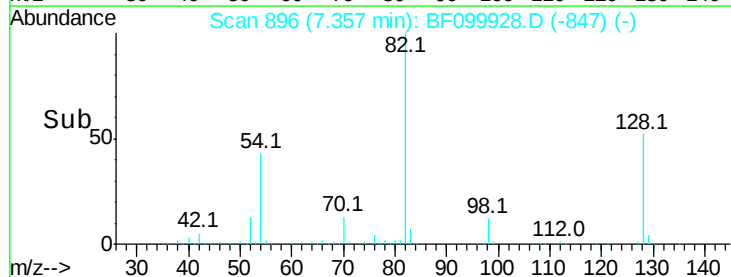


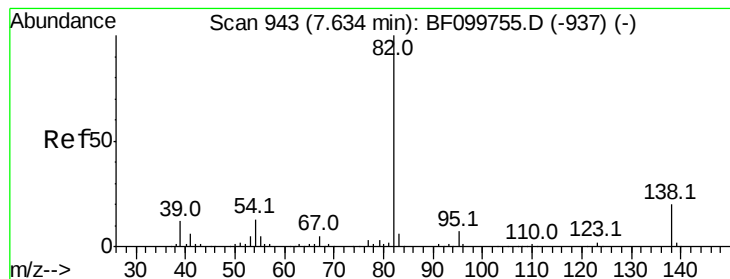
#23
Nitrobenzene-d5
Concen: 55.150 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

Tgt Ion: 82	Resp:	353130
Ion Ratio	Lower	Upper
82	100	
128	52.2	36.1 54.1
54	43.0	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: 30.393 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

Instrument :

BNA_F

ClientSampled :

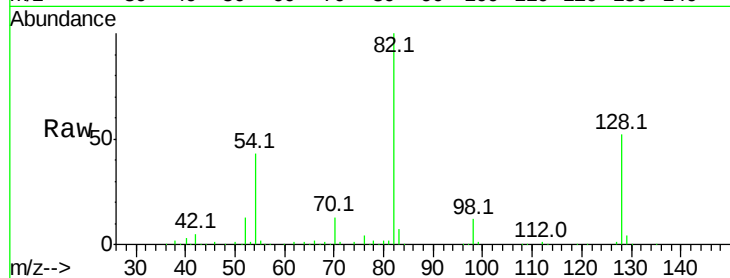
Tot Ion: 82 Resp: 353130

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

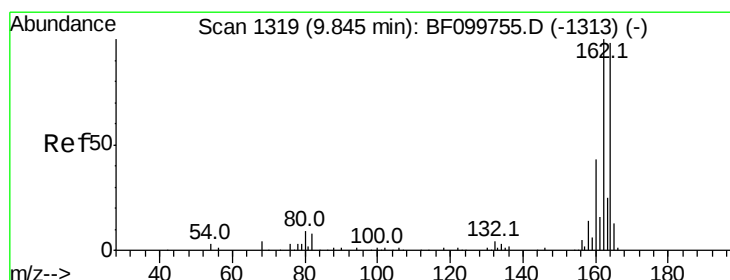
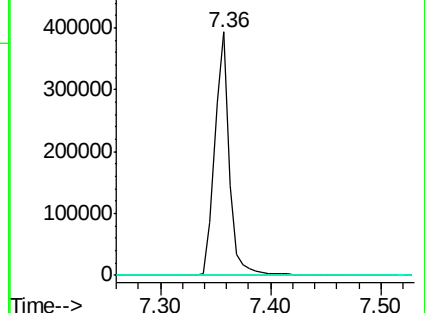
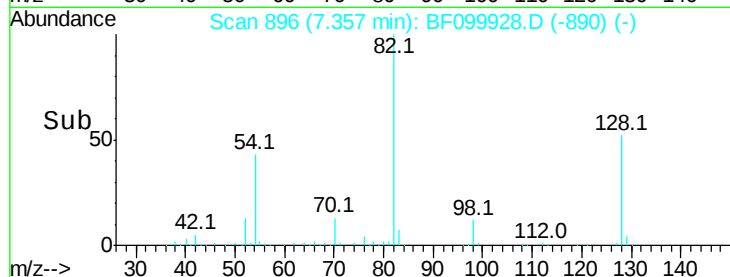
138 0.0 14.9 22.3#



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: BF099928.D

Acq: 28 Oct 2017 20:18

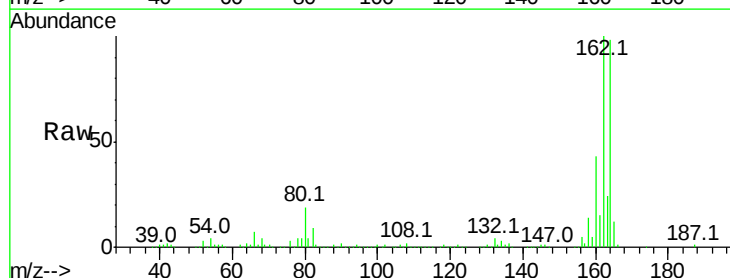
Tgt Ion:164 Resp: 178525

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

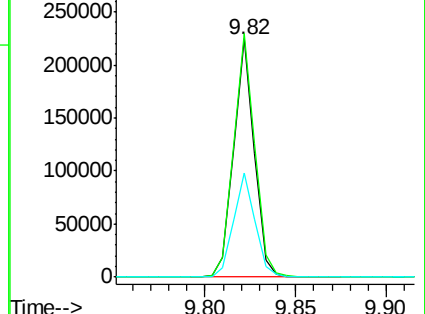
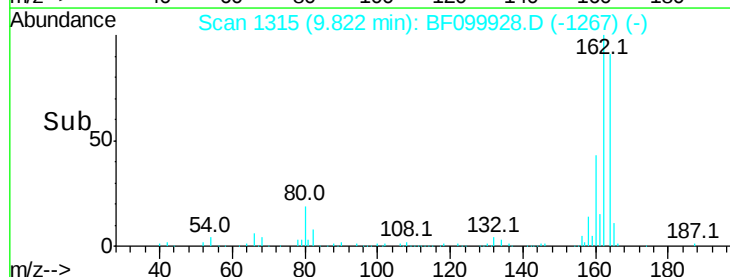
160 43.9 38.3 57.5



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

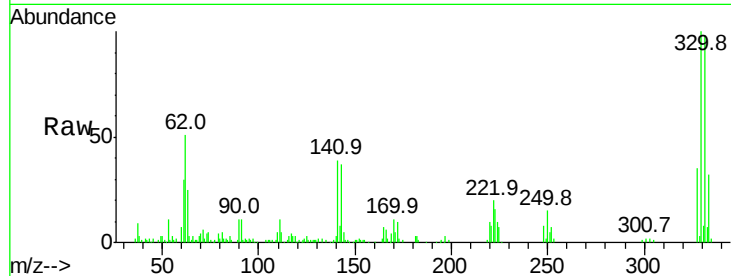




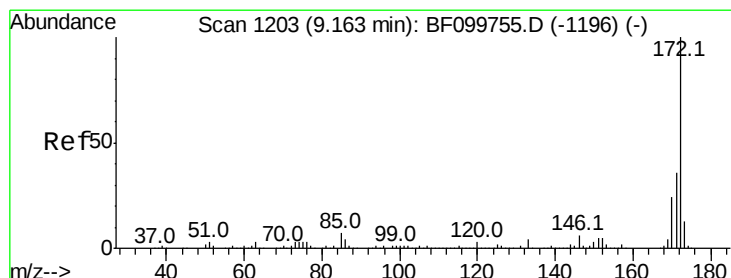
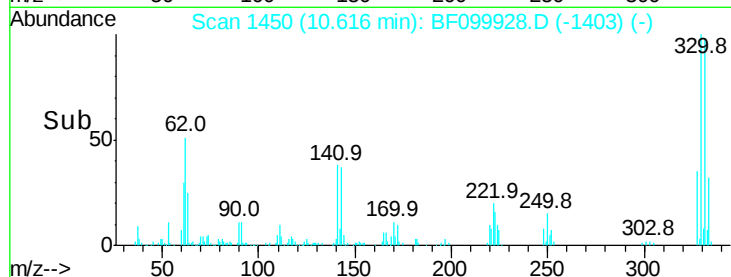
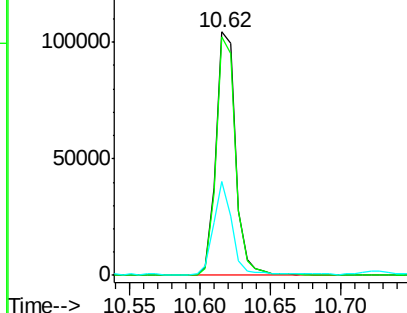
#41
 2,4,6-Tribromophenol
 Concen: 62.417 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	35.8	29.9	44.9

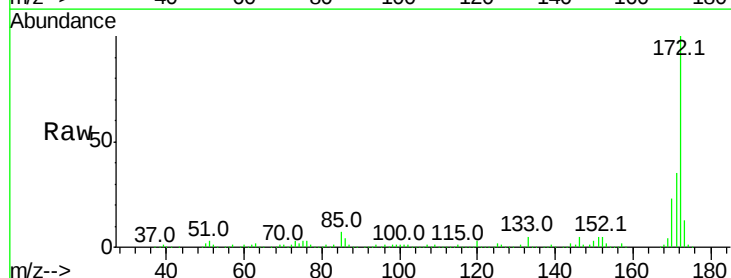


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

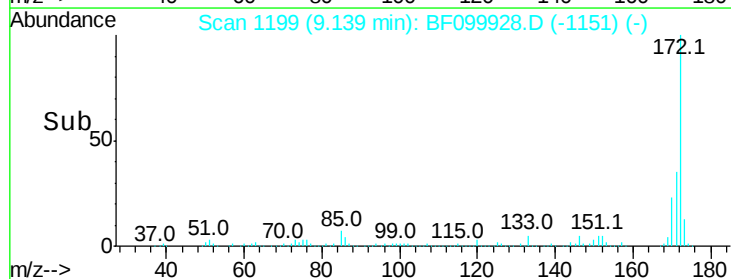
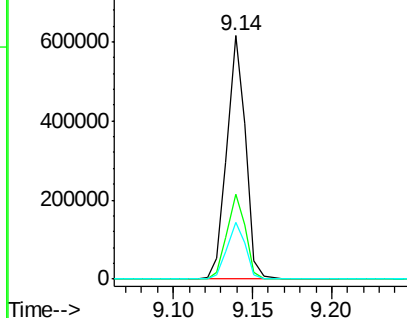


#44
 2-Fluorobiphenyl
 Concen: 43.447 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.2	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

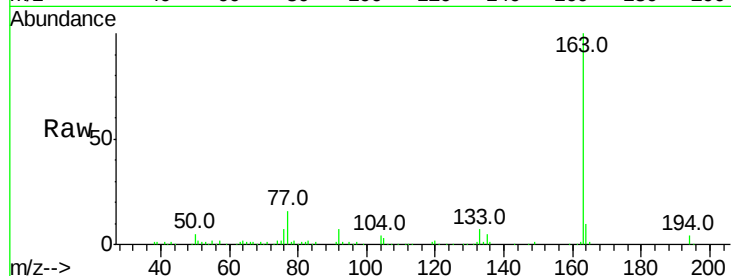




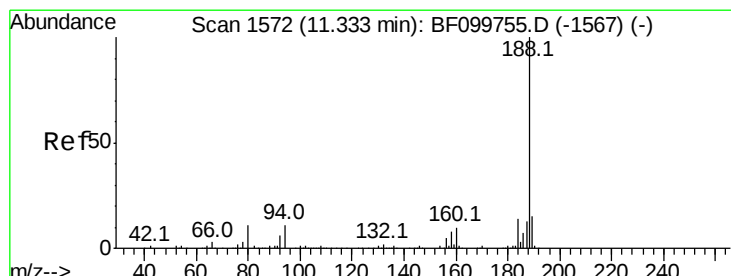
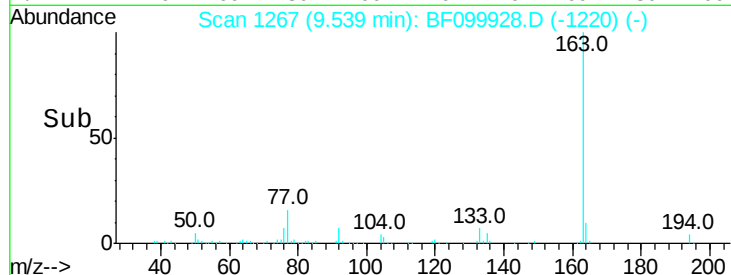
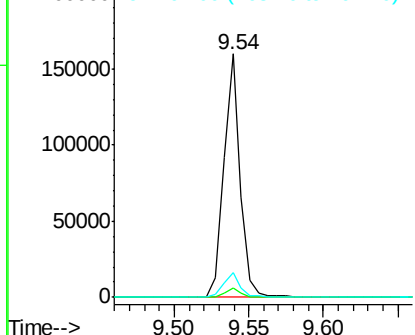
#49
Dimethylphthalate
Concen: 8.773 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 124029
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.4 8.2 12.2

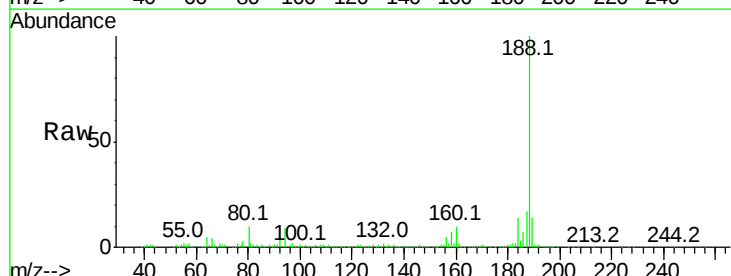


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

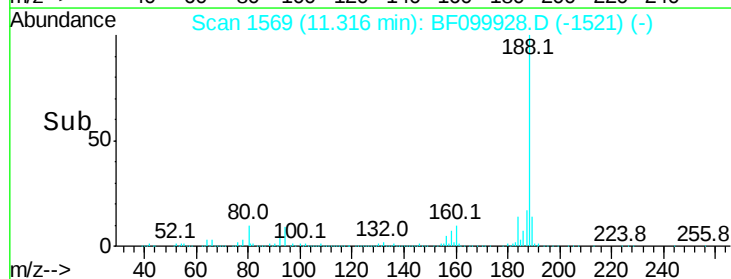
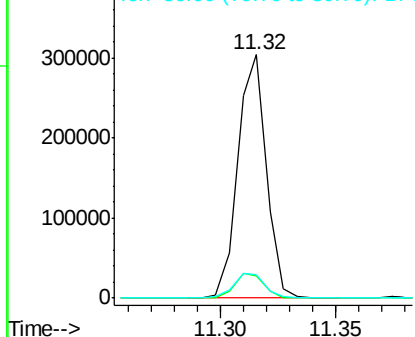


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

Tgt Ion:188 Resp: 261153
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.8 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

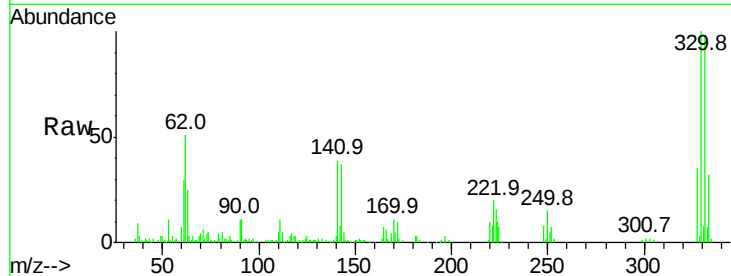




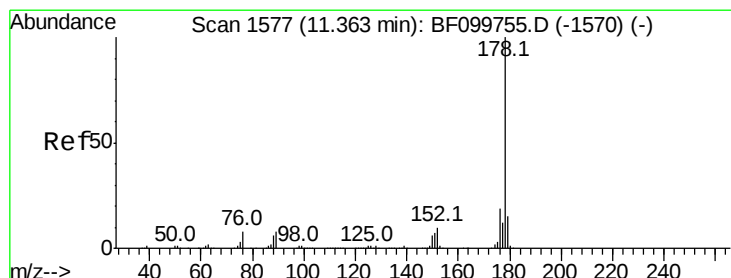
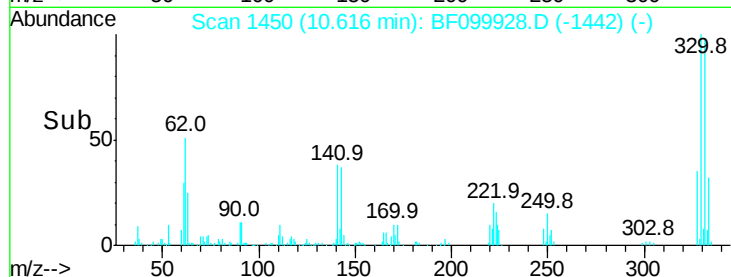
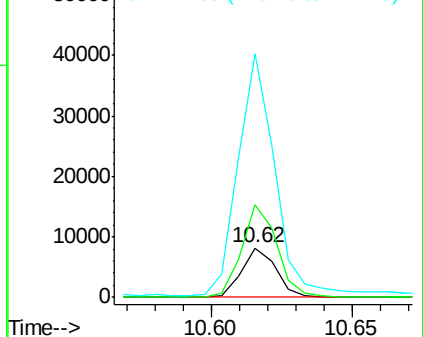
#66
 4-Bromophenyl-phenylether
 Concen: 2.533 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6964
 Ion Ratio Lower Upper
 248 100
 250 187.8 76.9 115.3#
 141 494.8 74.4 111.6#

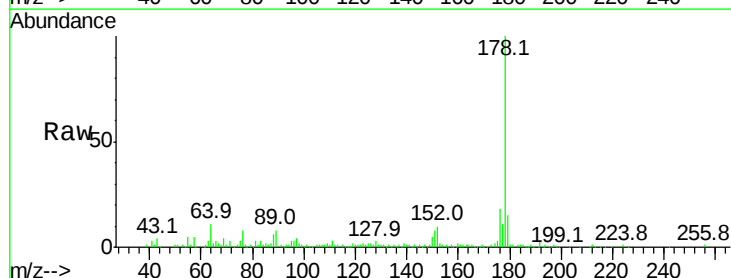


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

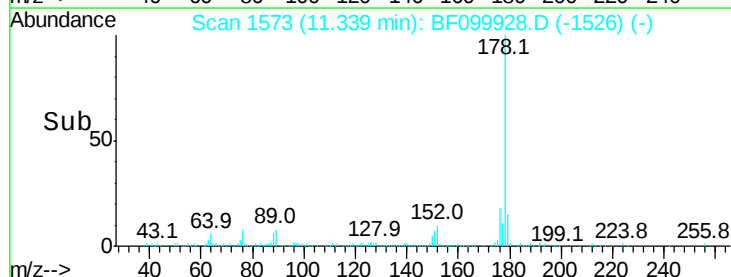
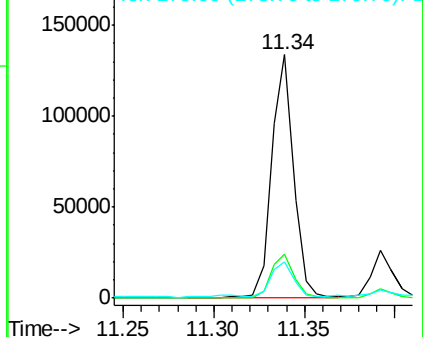


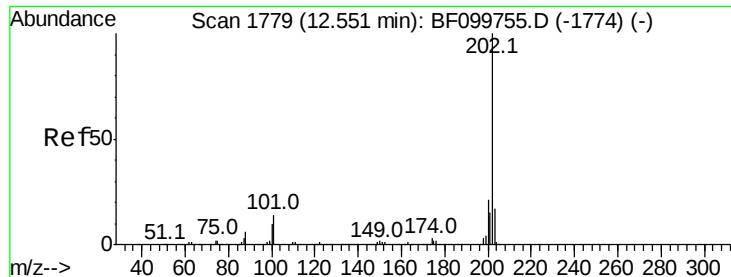
#70
 Phenanthrene
 Concen: 7.651 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

Tgt Ion:178 Resp: 112759
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 15.1 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: 8.406 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

Instrument :

BNA_F

ClientSampleId :

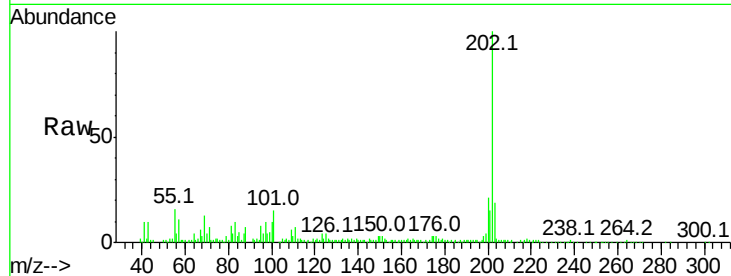
Tot Ion:202 Resp: 128748

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

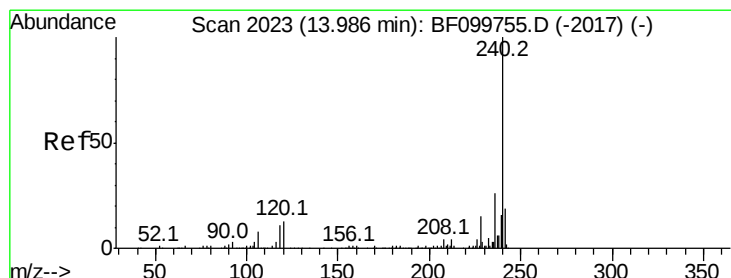
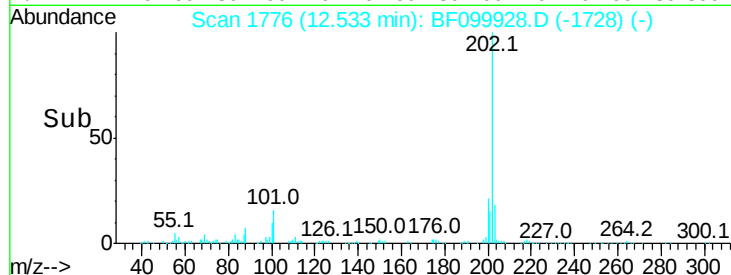
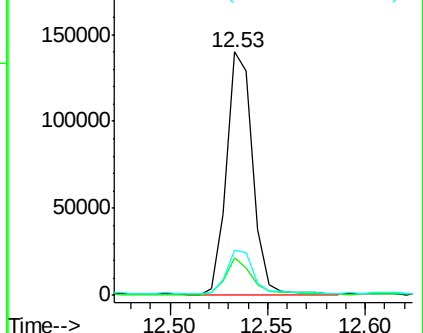
203 18.6 0.0 38.1



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: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

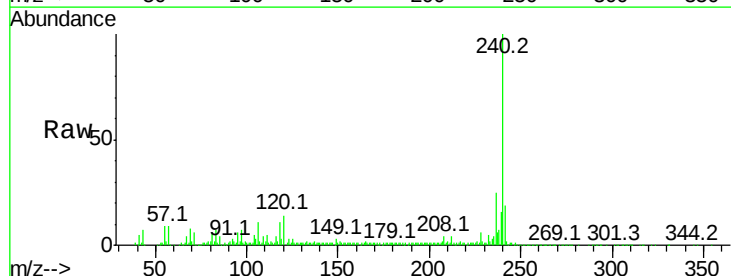
Tgt Ion:240 Resp: 178099

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

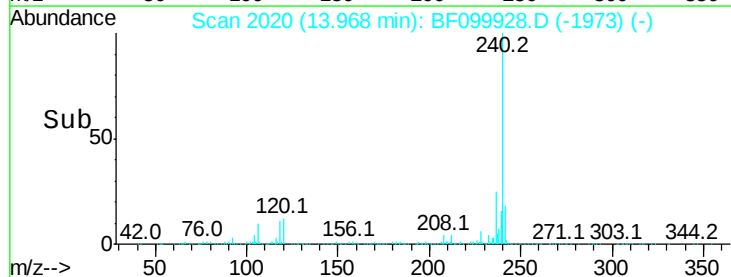
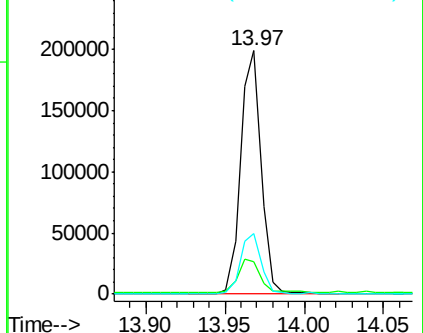
236 24.9 20.7 31.1

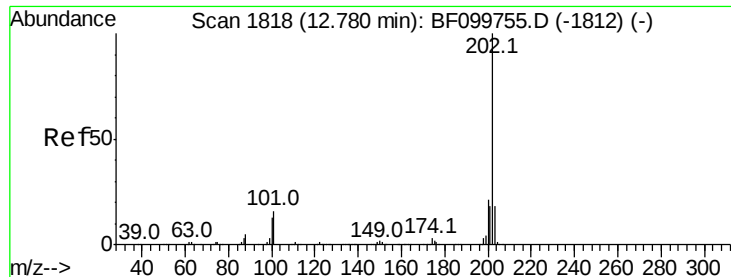


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.605 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

Instrument :

BNA_F

ClientSampleId :

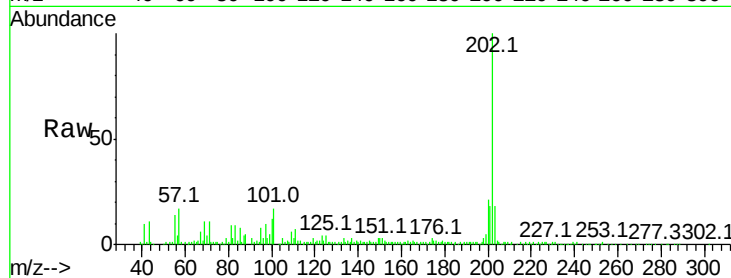
Tot Ion:202 Resp: 116539

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

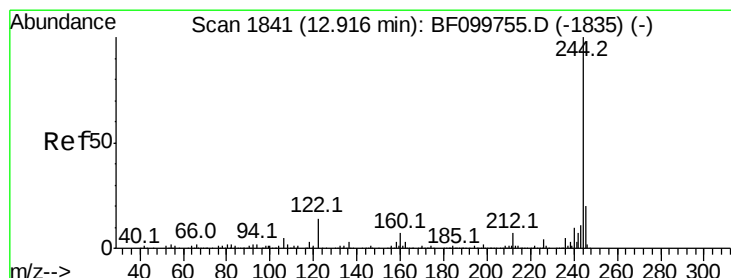
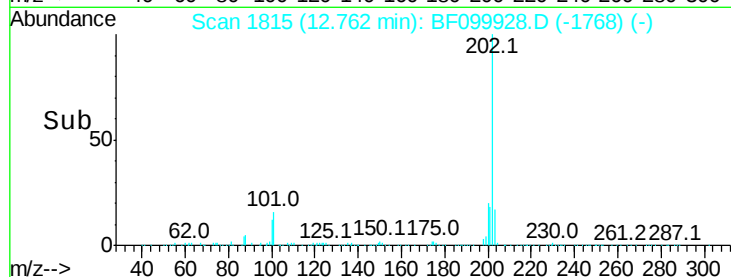
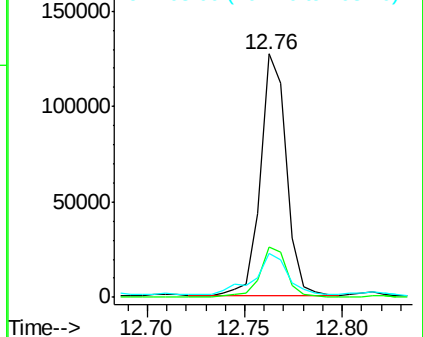
203 18.0 14.3 21.5



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: 37.663 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

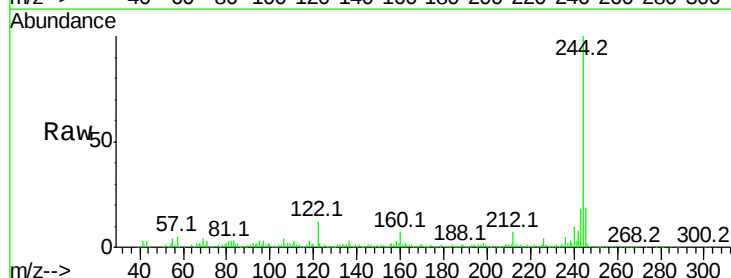
Tgt Ion:244 Resp: 306936

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

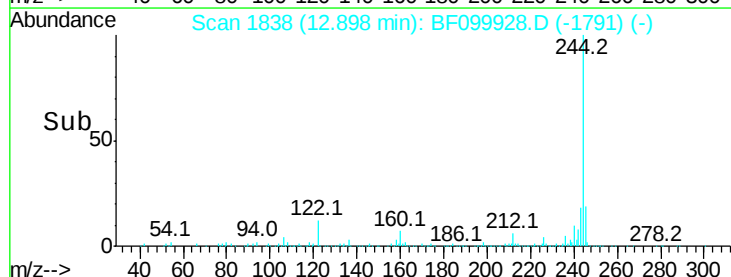
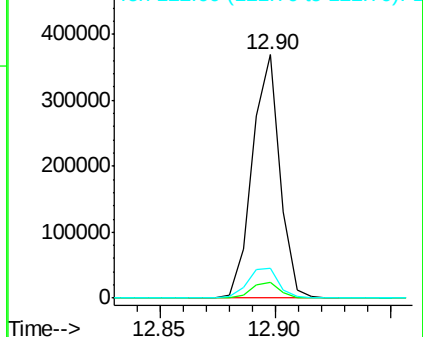
122 12.3 11.0 16.4

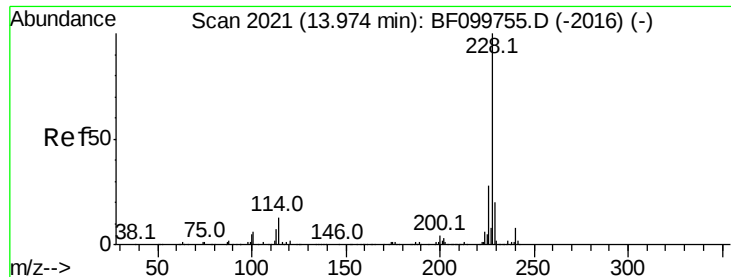


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

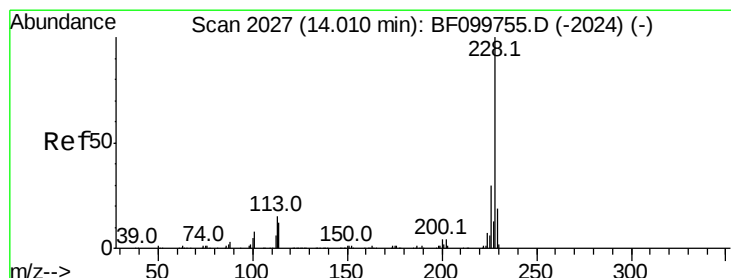
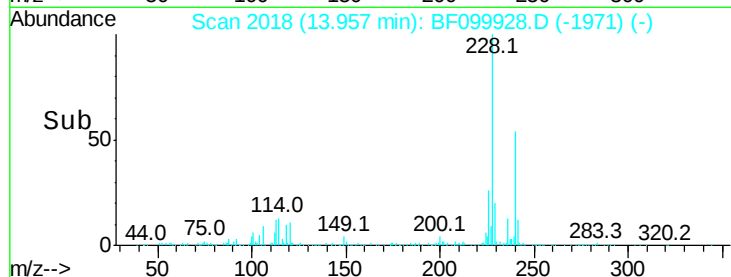
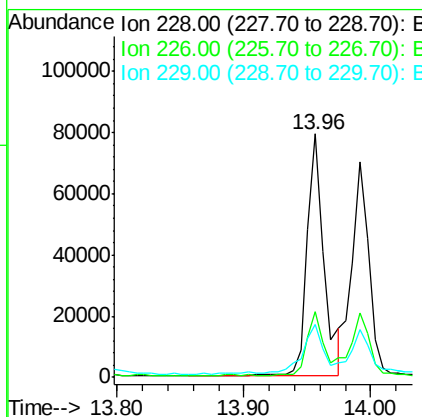
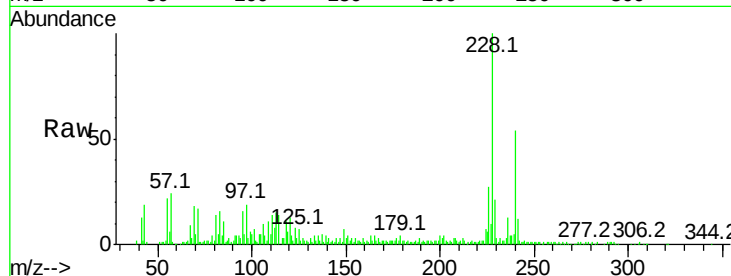




#80
Benzo(a)anthracene
Concen: 6.535 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.02 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

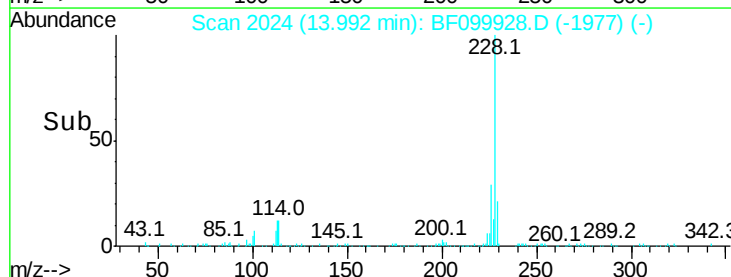
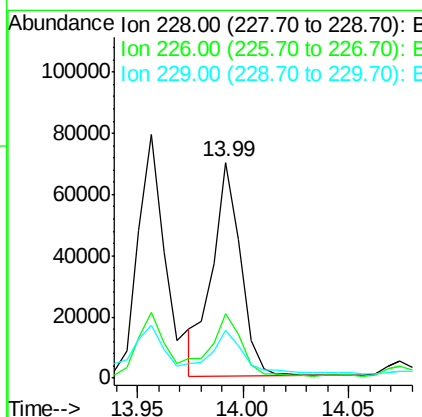
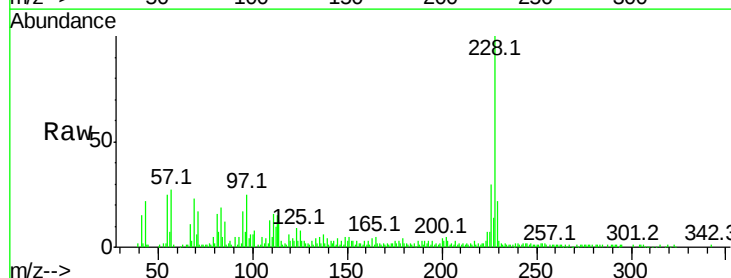
Instrument :
BNA_F
ClientSampled :

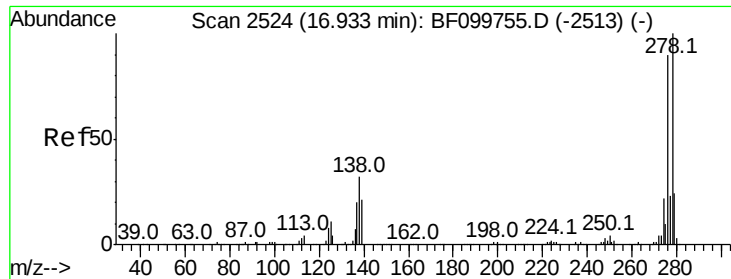
Tot Ion:228 Resp: 73783
Ion Ratio Lower Upper
228 100
226 26.8 22.6 33.8
229 21.5 15.8 23.6



#82
Chrysene
Concen: 6.143 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

Tgt Ion:228 Resp: 65201
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 22.3 16.2 24.4

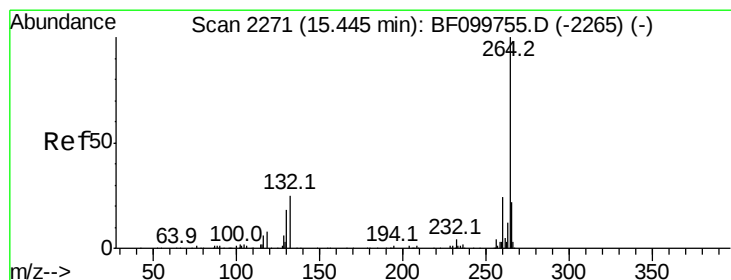
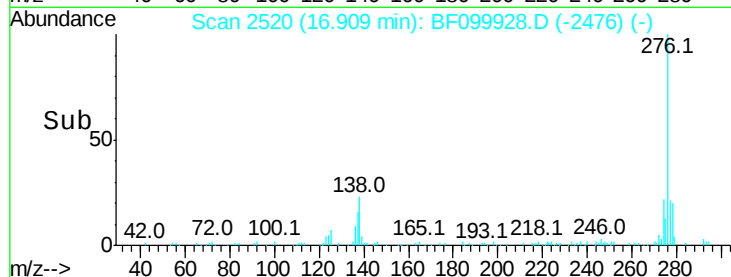
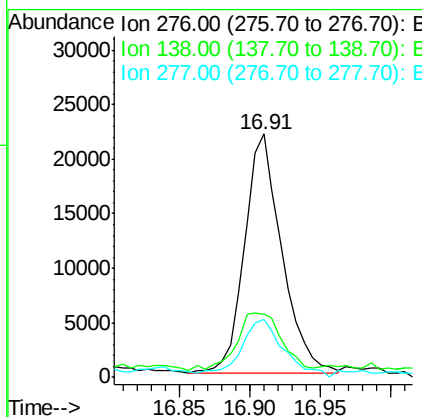
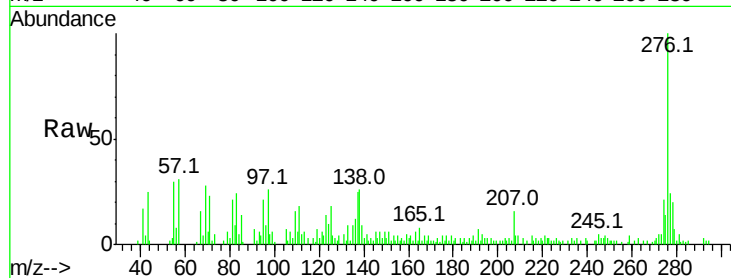




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.160 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.04 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

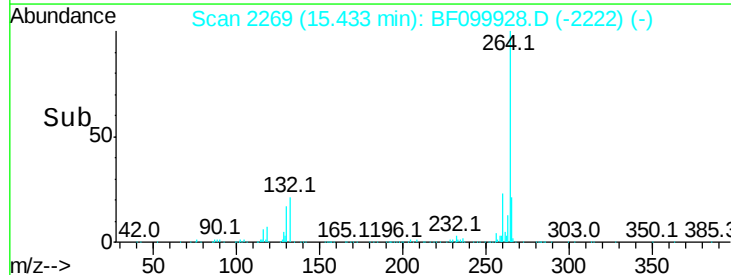
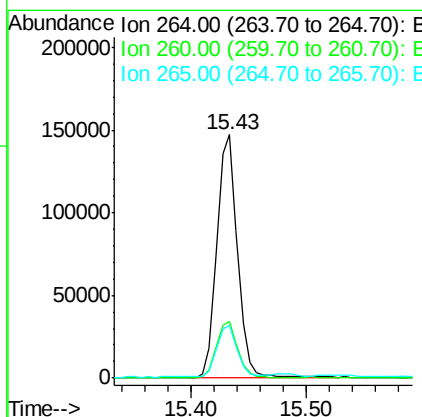
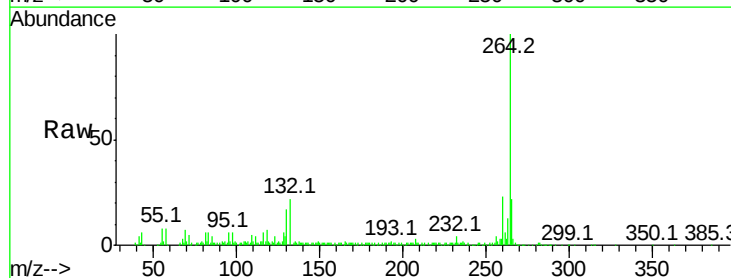
Instrument :
 BNA_F
 ClientSampleId :

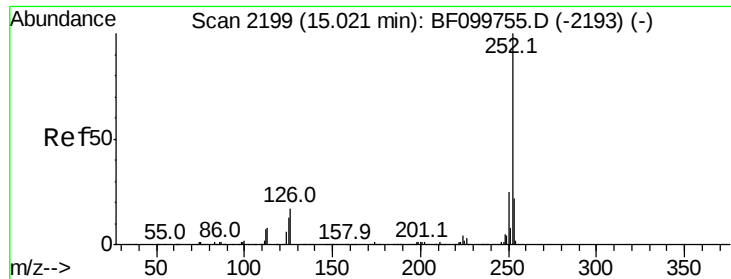
Tot Ion:276 Resp: 40537
 Ion Ratio Lower Upper
 276 100
 138 28.9 25.0 37.6
 277 28.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.02 min
 Lab File: BF099928.D
 Acq: 28 Oct 2017 20:18

Tgt Ion:264 Resp: 181177
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 11.393 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

Instrument :

BNA_F

ClientSampled :

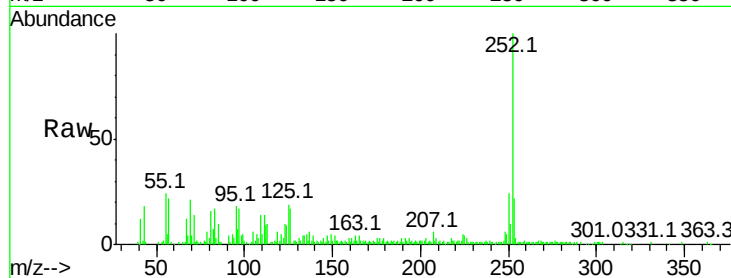
Tot Ion:252 Resp: 130341

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

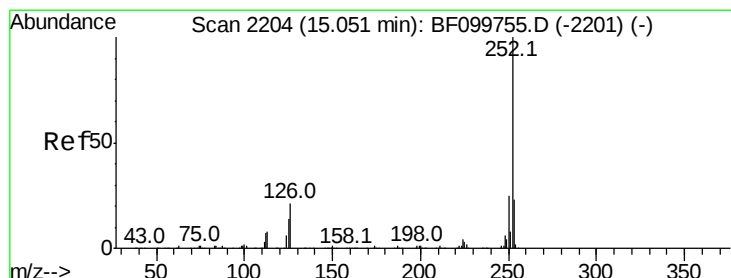
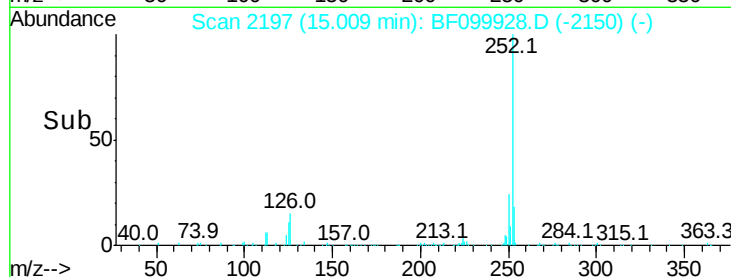
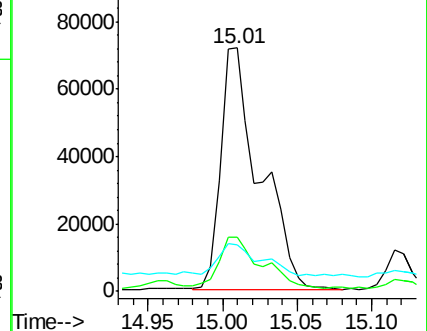
125 18.9 9.0 13.6#



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: 12.082 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.05 min

Lab File: BF099928.D

Acq: 28 Oct 2017 20:18

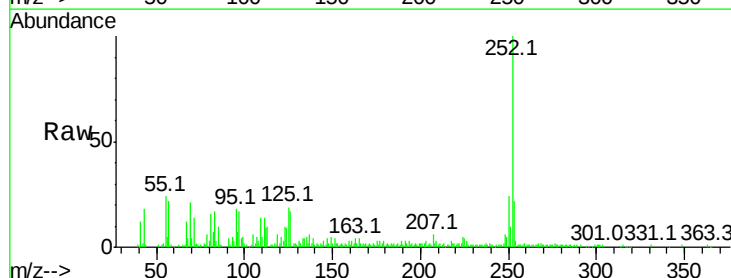
Tgt Ion:252 Resp: 130341

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

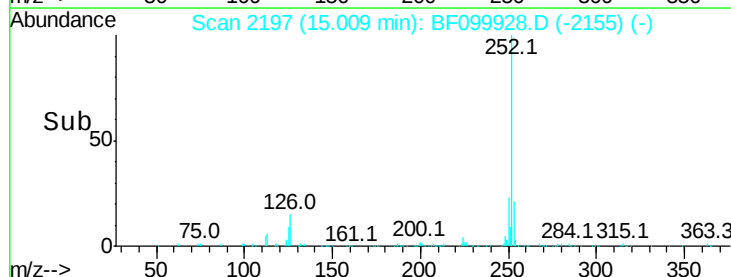
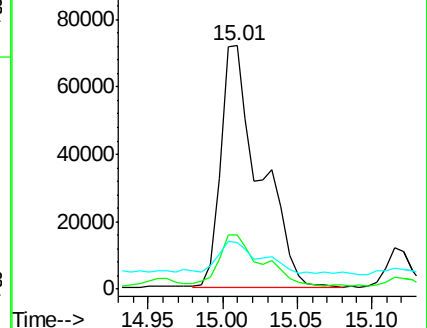
125 18.9 10.2 15.2#

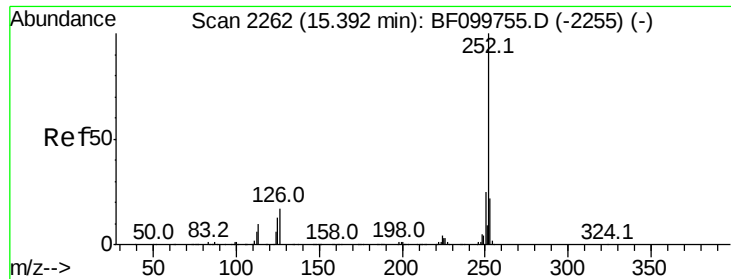


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

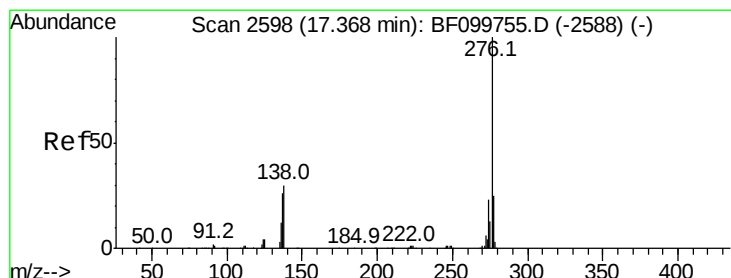
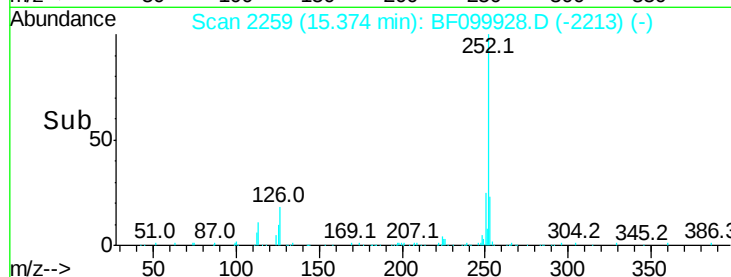
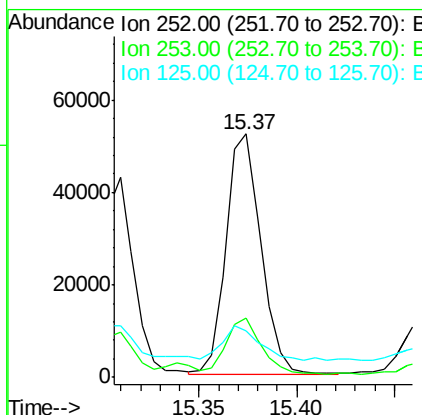
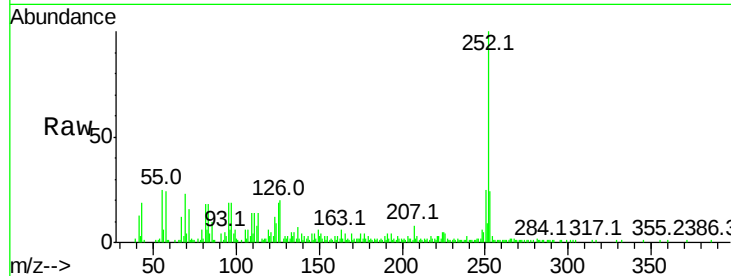




#89
Benzo(a)pyrene
Concen: 6.329 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	19.3	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 4.301 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.04 min
Lab File: BF099928.D
Acq: 28 Oct 2017 20:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	34.6	21.8	32.8

