

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
 Data File : BF099940.D
 Acq On : 29 Oct 2017 3:45
 Operator : SJ/JU
 Sample : I6023-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 02:05:05 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	108918	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	436336	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	179833	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	254515	20.00	ng	-0.02
75) Chrysene-d12	13.96	240	202179	20.00	ng	-0.03
86) Perylene-d12	15.43	264	198169	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	563106	81.17	ng	0.00
7) Phenol-d6	6.43	99	668053	81.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	383606	56.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	104732	63.91	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	793863	68.11	ng	-0.02
78) Terphenyl-d14	12.90	244	513402	55.49	ng	-0.02

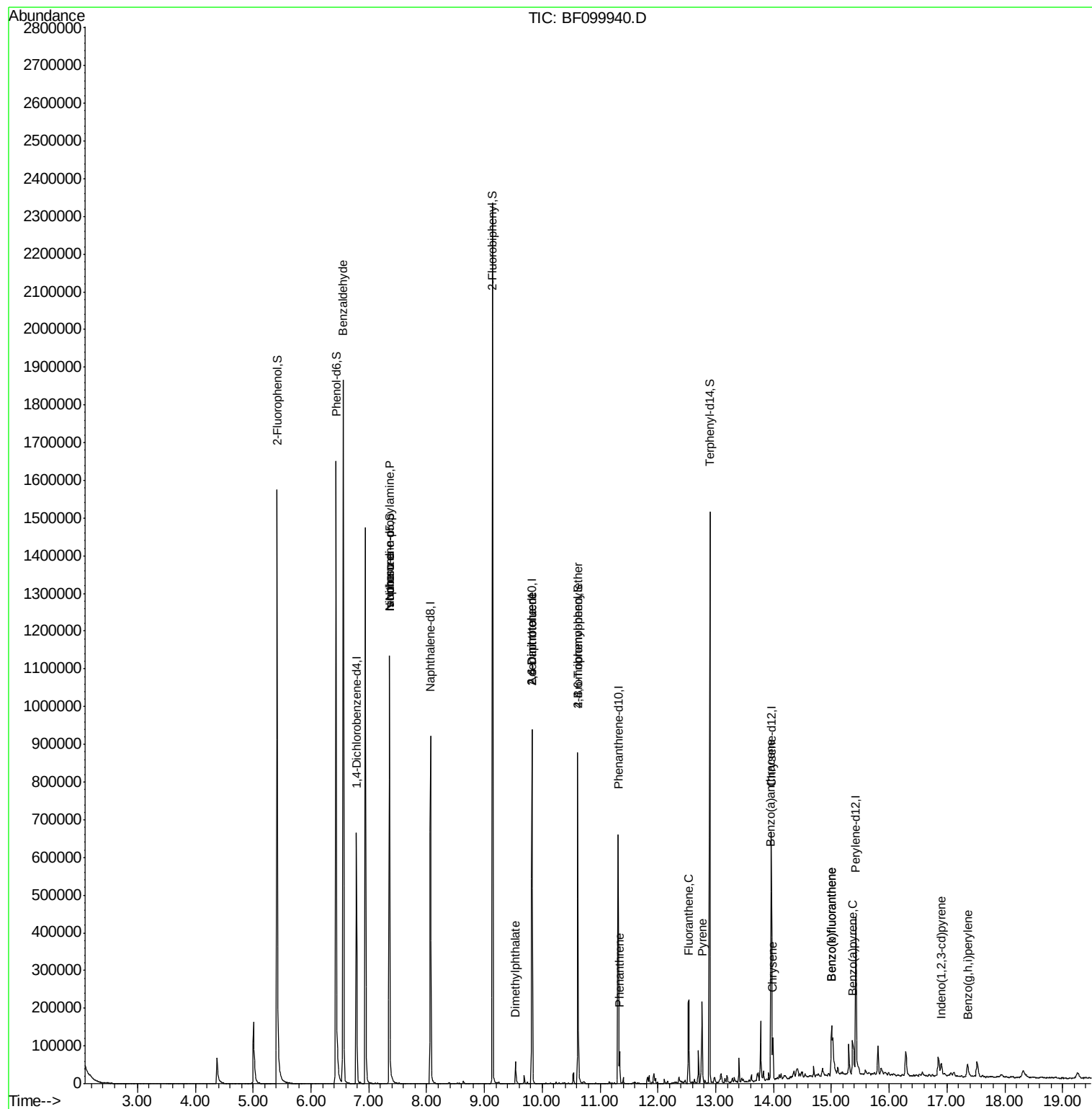
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	10730	2.183	ng	86
19) n-Nitroso-di-n-propylamine	7.36	70	47344	9.821	ng	# 72
25) Isophorone	7.36	82	383606	31.192	ng	# 64
49) Dimethylphthalate	9.54	163	29085	2.042	ng	98
50) 2,6-Dinitrotoluene	9.82	165	23148	7.732	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	23148	6.420	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	7084	2.644	ng	# 1
70) Phenanthrene	11.34	178	33747	2.349	ng	99
74) Fluoranthene	12.53	202	98185	6.578	ng	95
77) Pyrene	12.76	202	85143	5.538	ng	97
80) Benzo(a)anthracene	13.95	228	42426	3.310	ng	98
82) Chrysene	13.99	228	46798	3.884	ng	100
85) Indeno(1,2,3-cd)pyrene	16.90	276	24693	2.232	ng	98
87) Benzo(b)fluoranthene	15.00	252	90580	7.239	ng	97
88) Benzo(k)fluoranthene	15.00	252	90580	7.676	ng	97
89) Benzo(a)pyrene	15.37	252	39684	3.530	ng	# 93
91) Benzo(a,h,i)perylene	17.35	276	22513	2.304	ng	97

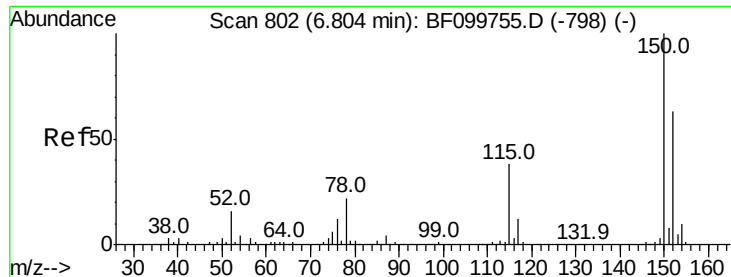
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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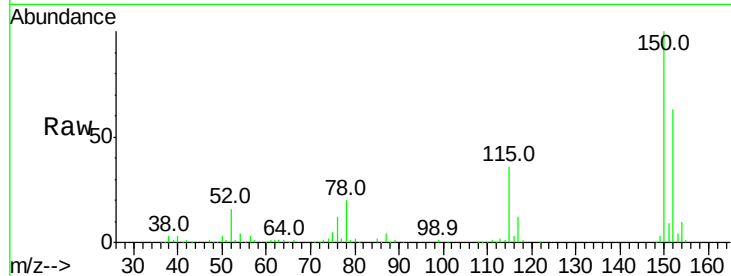


#1

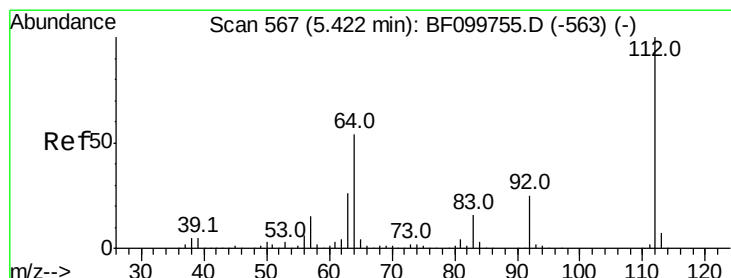
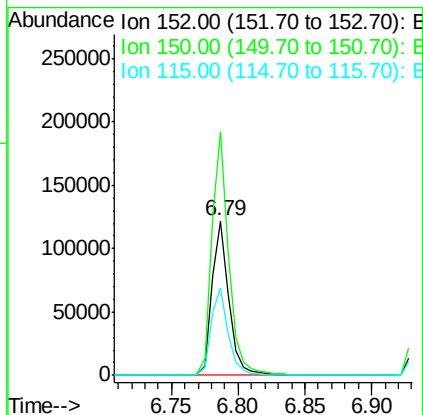
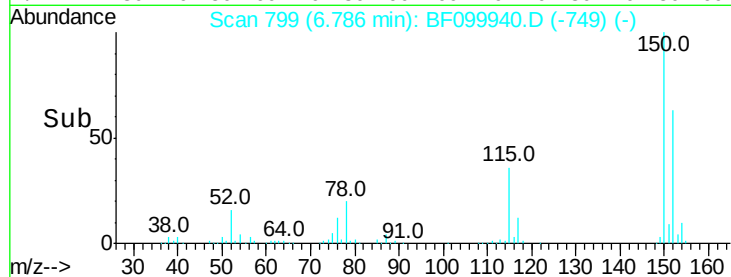
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 108918
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.6 186.8
 115 56.7 50.1 75.1



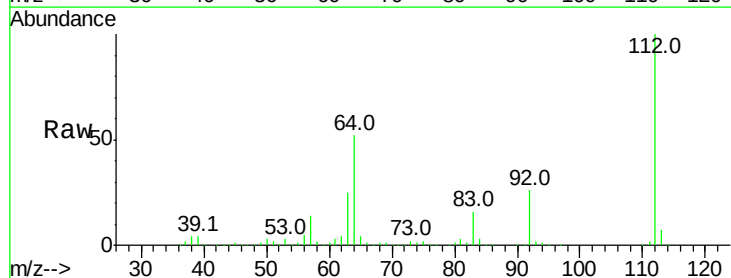
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



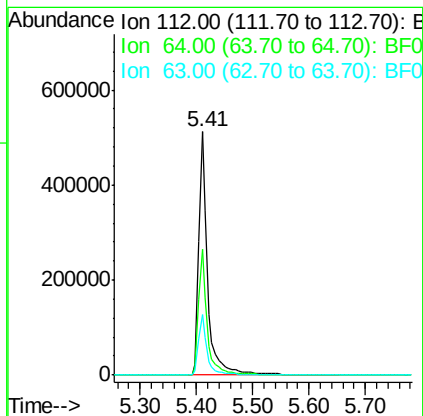
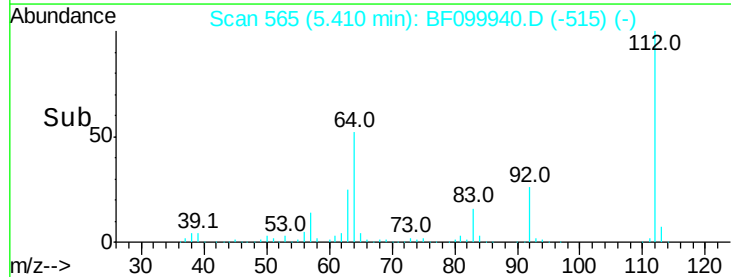
#5

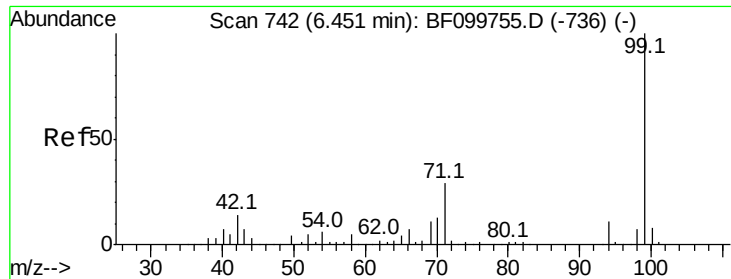
2-Fluorophenol
 Concen: 81.167 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Tgt Ion:112 Resp: 563106
 Ion Ratio Lower Upper
 112 100
 64 51.5 47.9 71.9
 63 25.0 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: 81.212 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

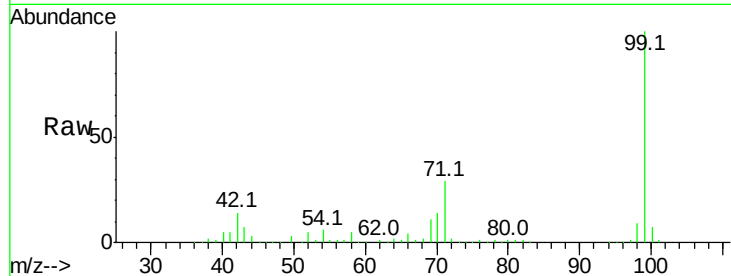
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 668053

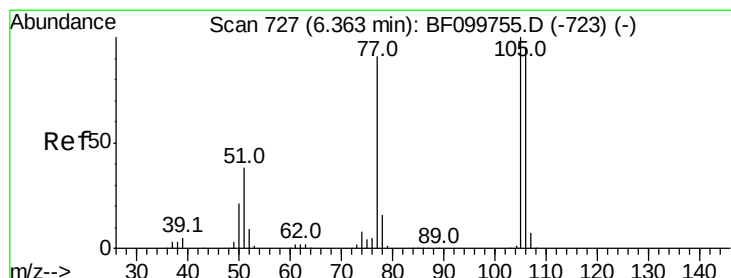
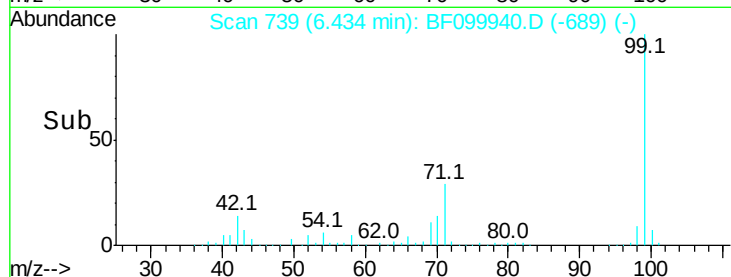
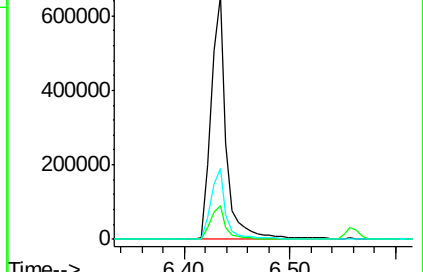
Ion	Ratio	Lower	Upper
99	100		
42	13.9	14.5	21.7#
71	29.3	25.4	38.0



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



#9

Benzaldehyde

Concen: 2.183 ng

RT: 6.56 min Scan# 760

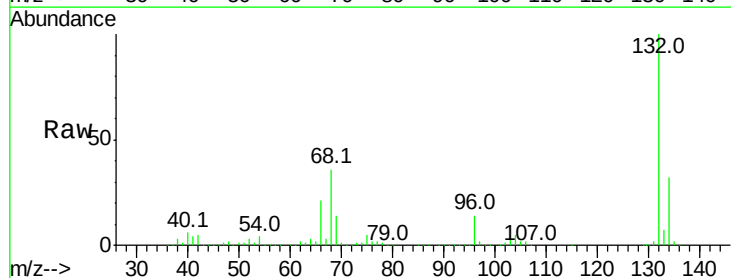
Delta R.T. 0.20 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

Tgt Ion: 77 Resp: 10730

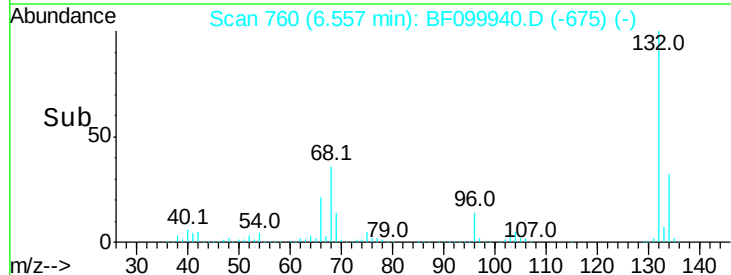
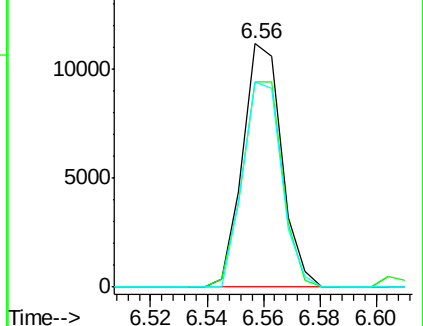
Ion	Ratio	Lower	Upper
77	100		
105	84.4	81.1	121.1
106	84.4	74.5	114.5

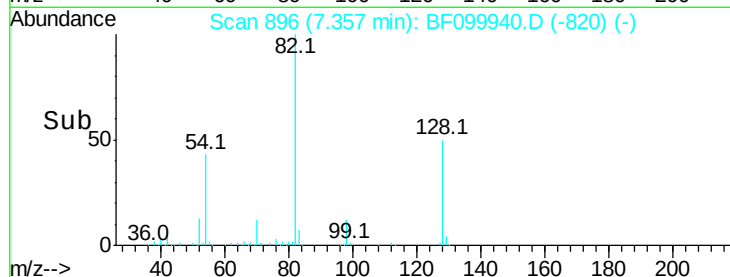
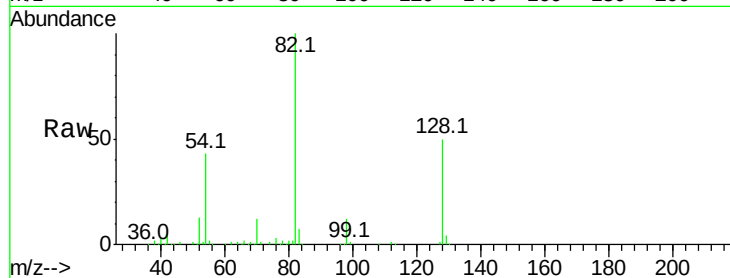
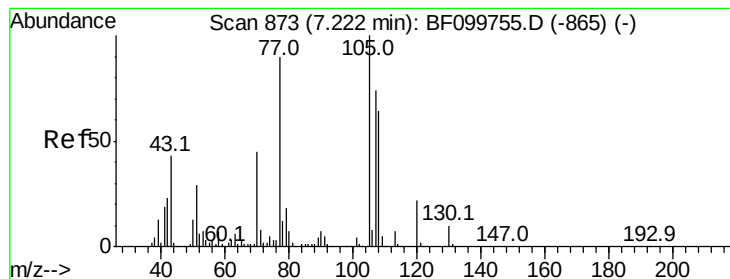


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 9.821 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 47344

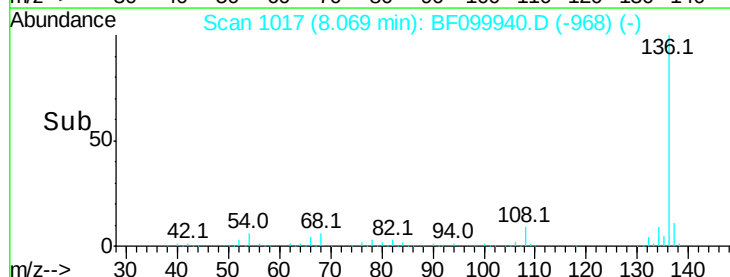
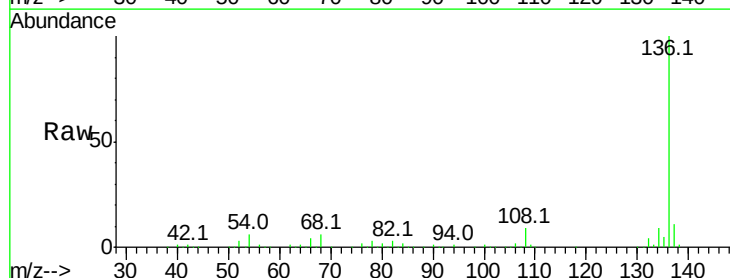
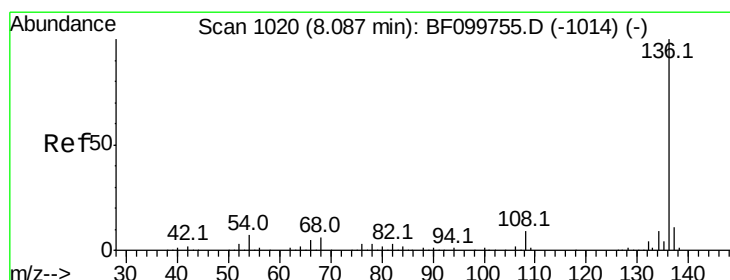
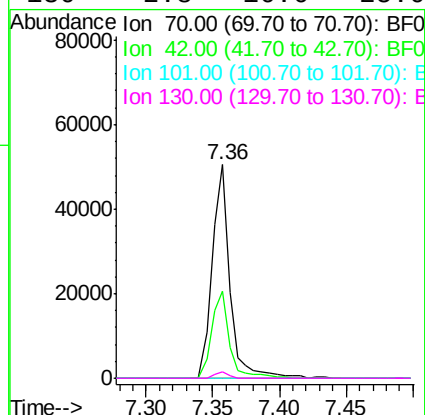
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

Tgt Ion:136 Resp: 436336

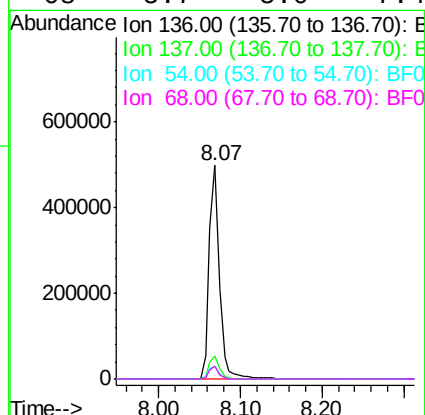
Ion Ratio Lower Upper

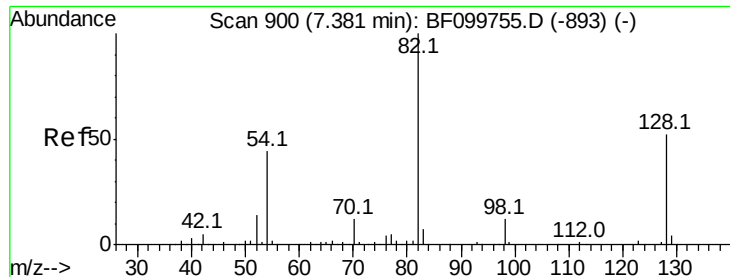
136 100

137 10.6 8.9 13.3

54 6.1 6.6 9.8#

68 5.7 5.0 7.4

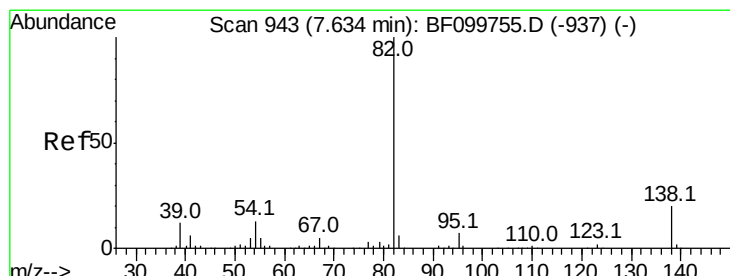
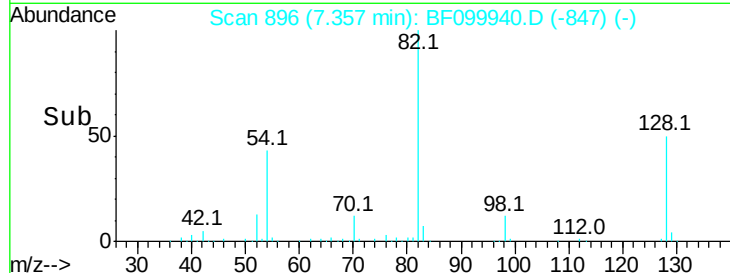
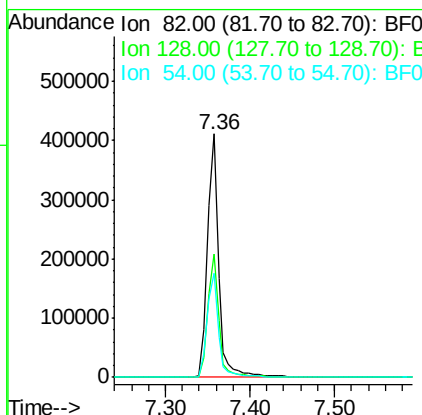
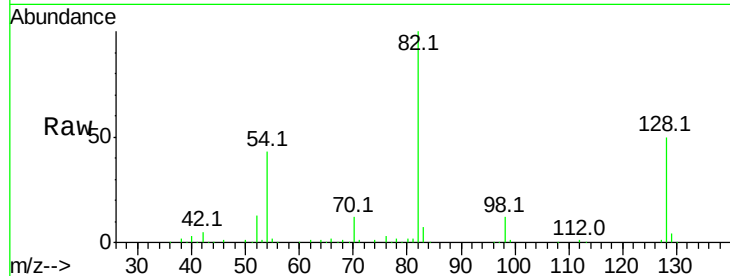




#23
 Nitrobenzene-d5
 Concen: 56.600 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

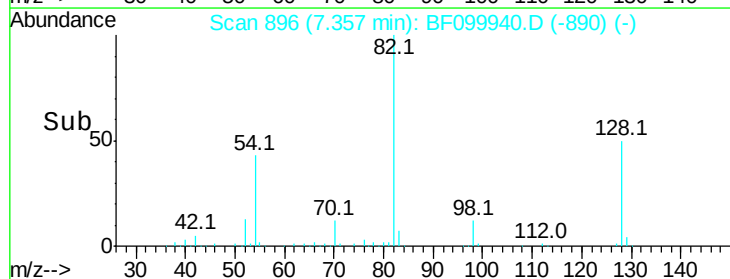
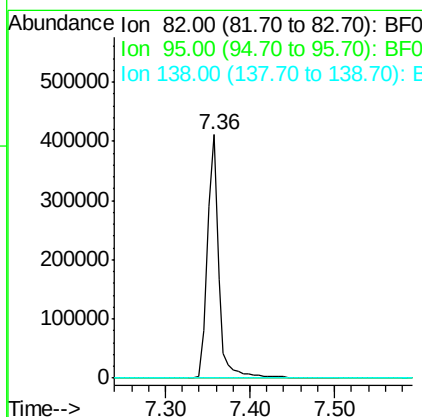
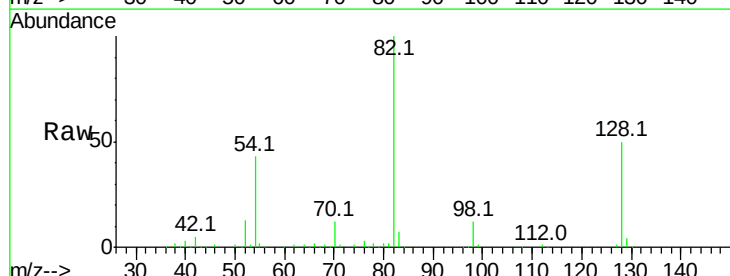
Instrument :
 BNA_F
 ClientSampleId :

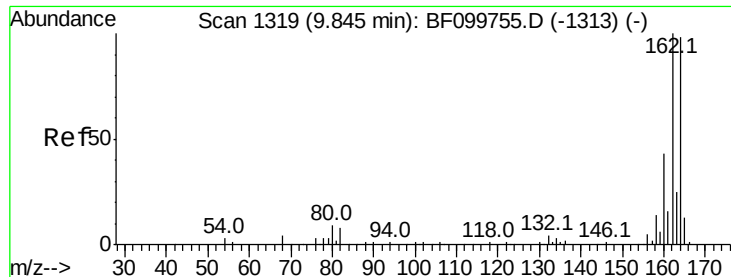
Tot Ion	Ratio	Lower	Upper
82	100		
128	50.4	36.1	54.1
54	42.9	41.4	62.2



#25
 Isophorone
 Concen: 31.192 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

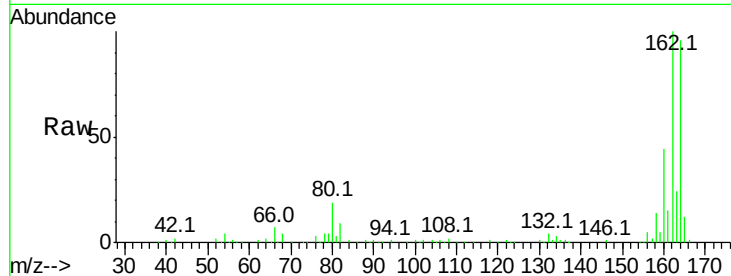




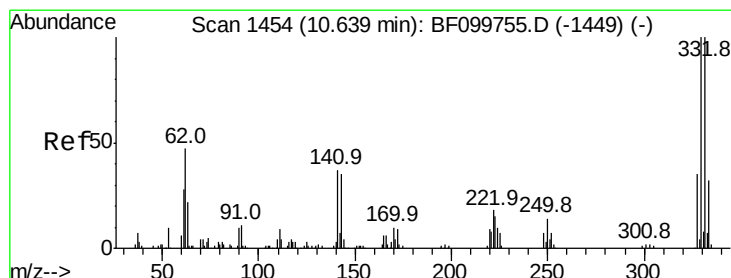
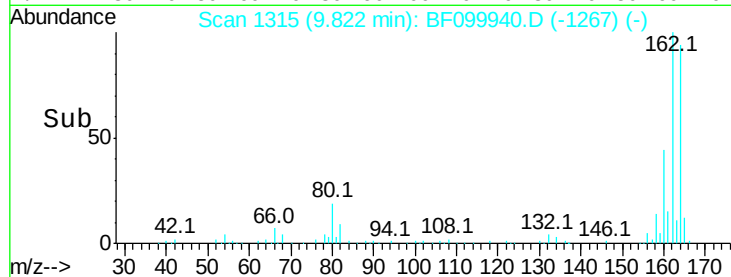
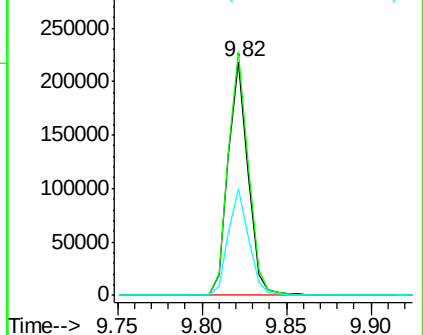
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 179833
 Ion Ratio Lower Upper
 164 100
 162 104.2 86.1 129.1
 160 45.8 38.3 57.5

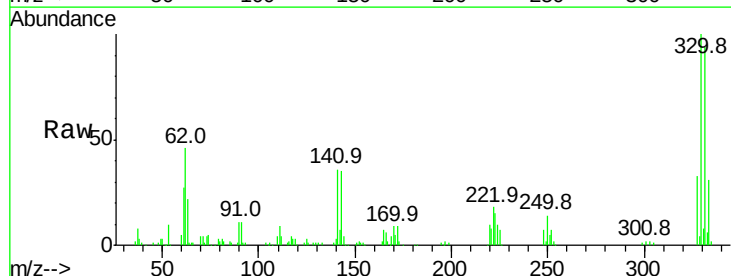


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

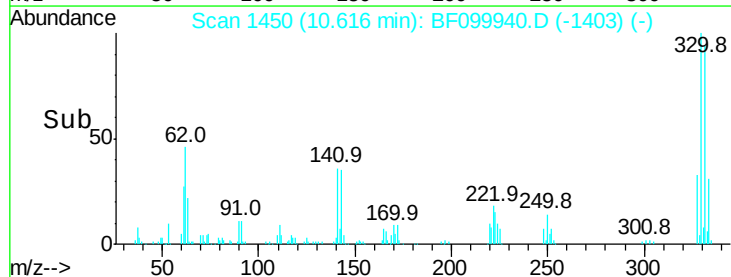
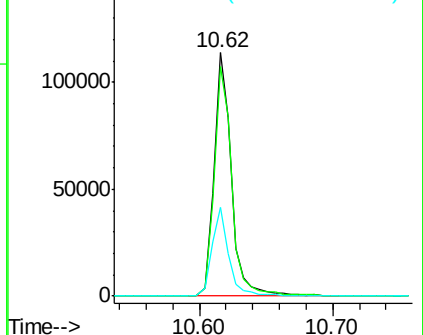


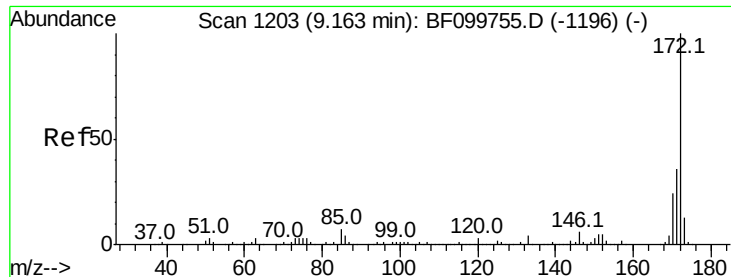
#41
 2,4,6-Tribromophenol
 Concen: 63.906 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.02 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Tgt Ion:330 Resp: 104732
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 34.7 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

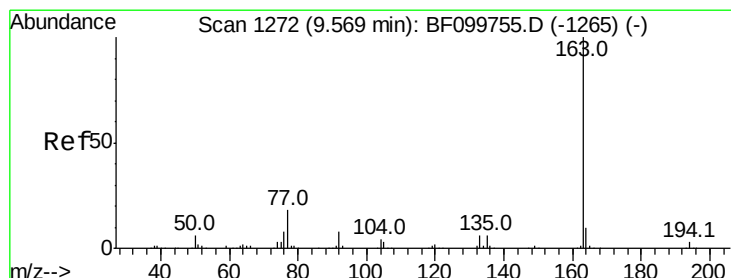
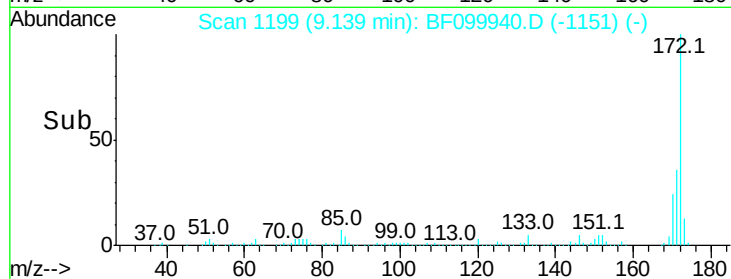
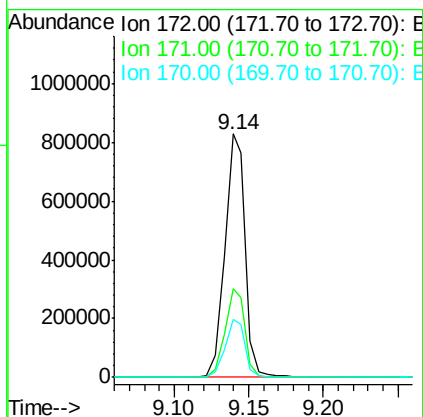
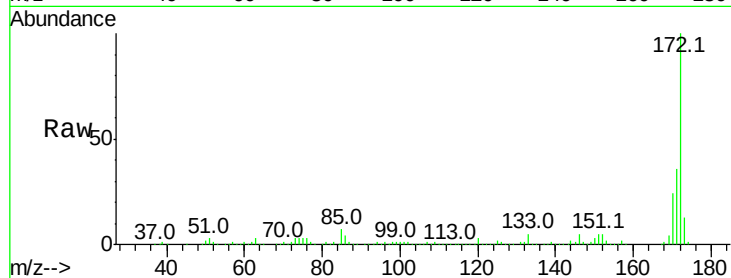




#44
 2-Fluorobiphenyl
 Concen: 68.108 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

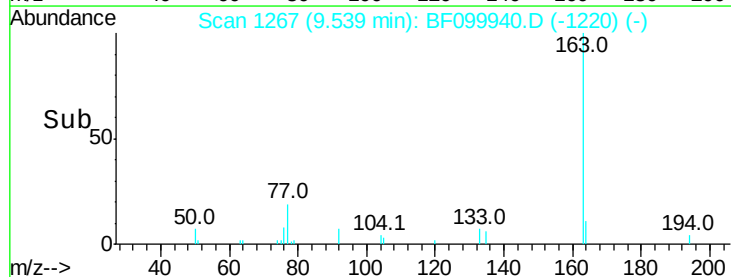
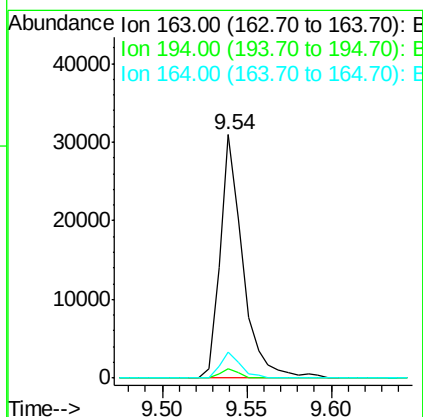
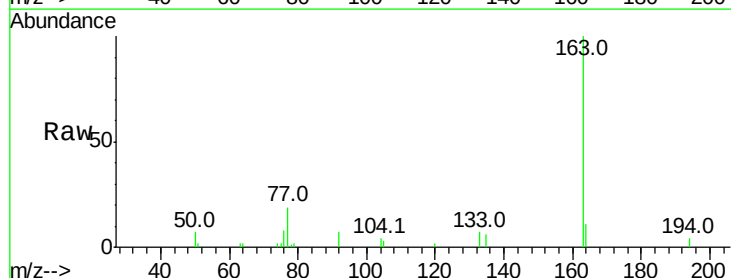
Instrument :
 BNA_F
 ClientSampleId :

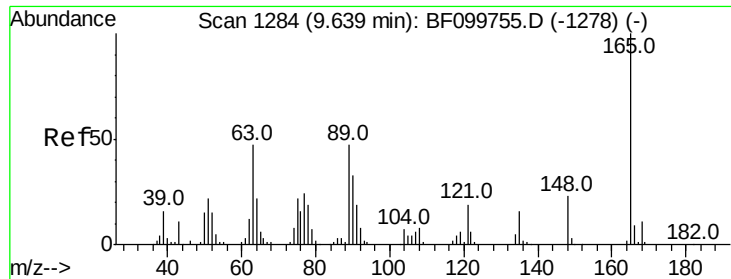
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4



#49
 Dimethylphthalate
 Concen: 2.042 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.9	8.2	12.2

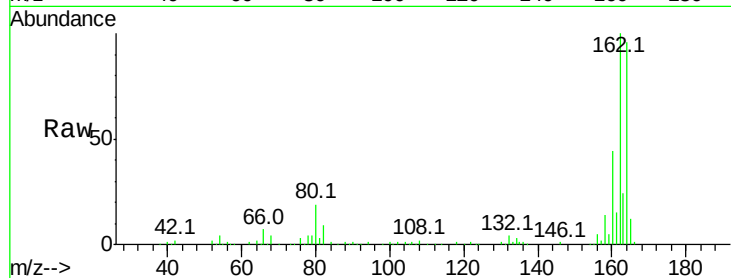




#50
 2,6-Dinitrotoluene
 Concen: 7.732 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Instrument :
 BNA_F
 ClientSampleId :

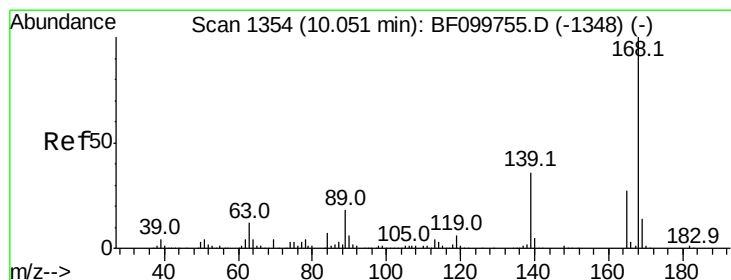
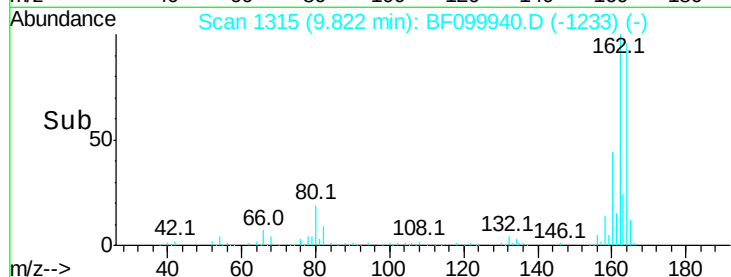
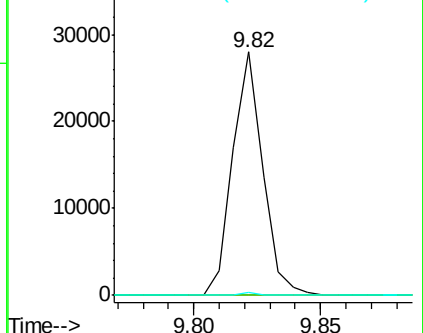
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.1	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

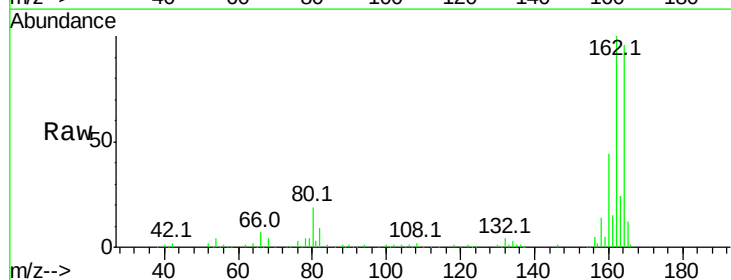
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.420 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

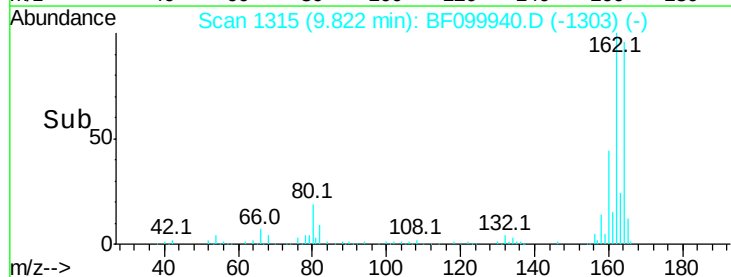
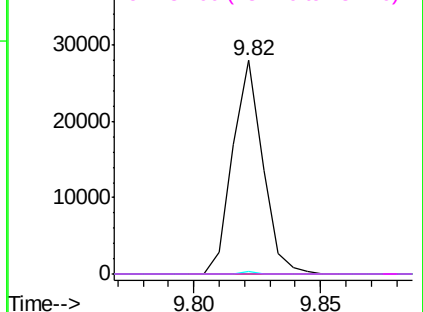


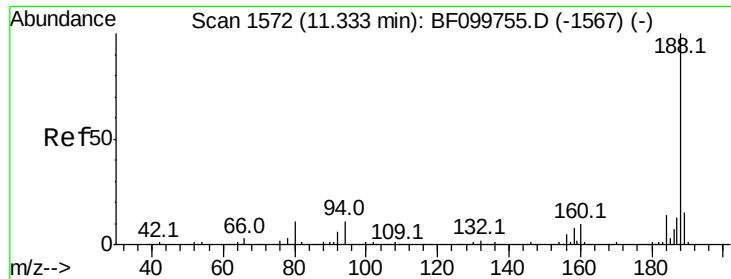
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

Instrument :

BNA_F

ClientSampleId :

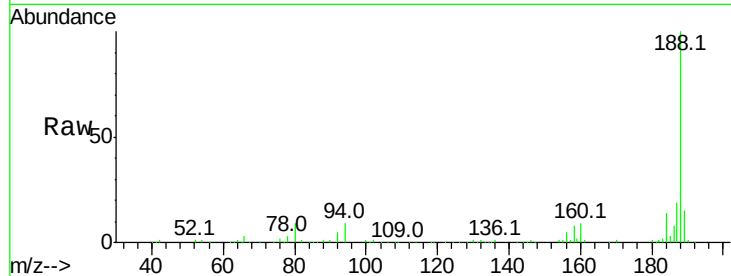
Tot Ion:188 Resp: 254515

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

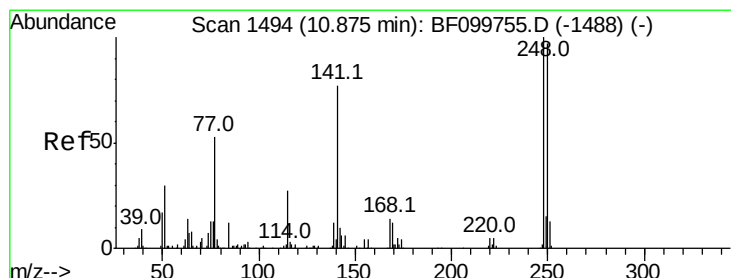
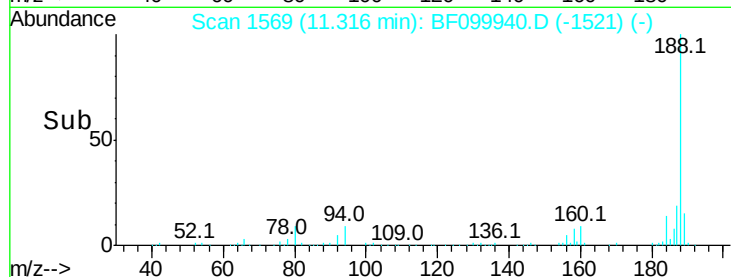
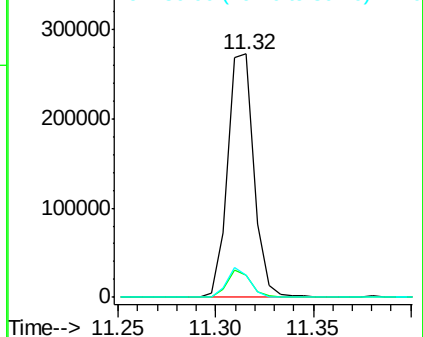
80 9.2 9.2 13.8#



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: 2.644 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.25 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

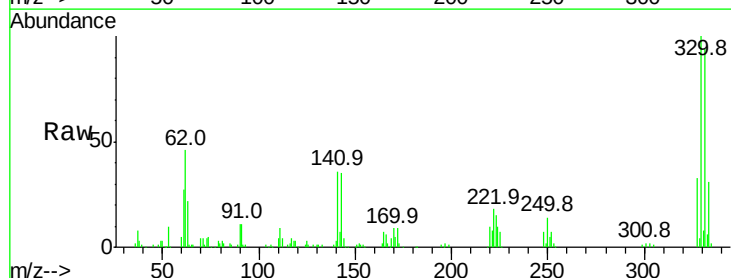
Tgt Ion:248 Resp: 7084

Ion Ratio Lower Upper

248 100

250 187.8 76.9 115.3#

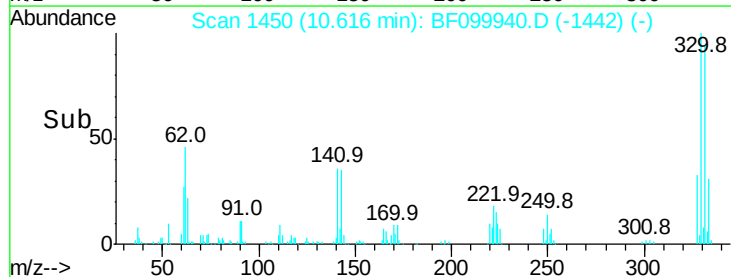
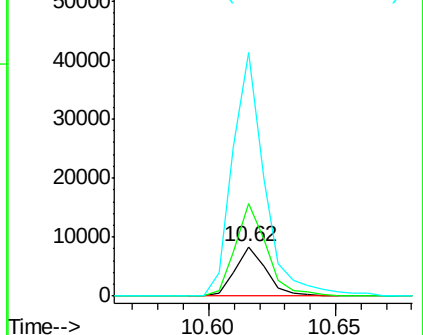
141 495.4 74.4 111.6#

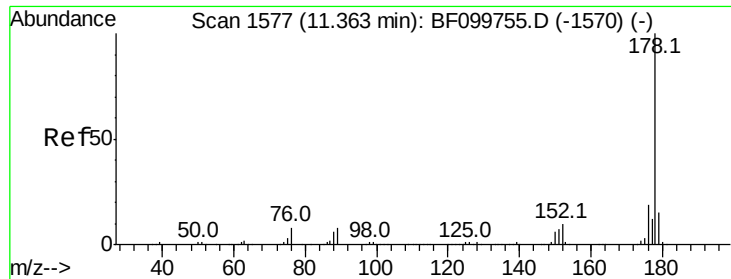


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

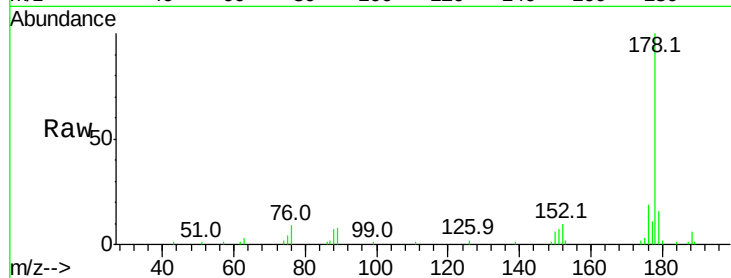




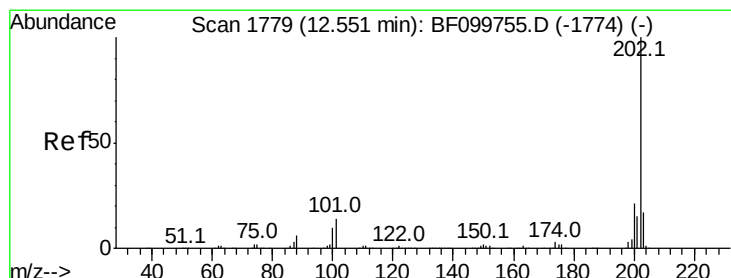
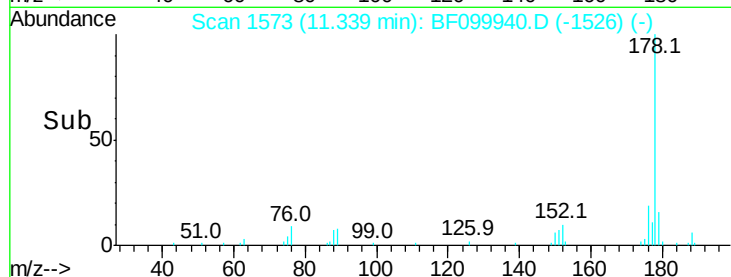
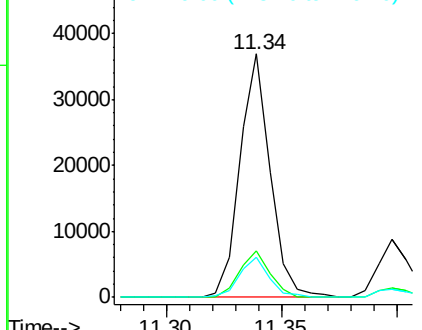
#70
Phenanthrene
Concen: 2.349 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.02 min
Lab File: BF099940.D
Acq: 29 Oct 2017 3:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 33747
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 16.2 13.0 19.6

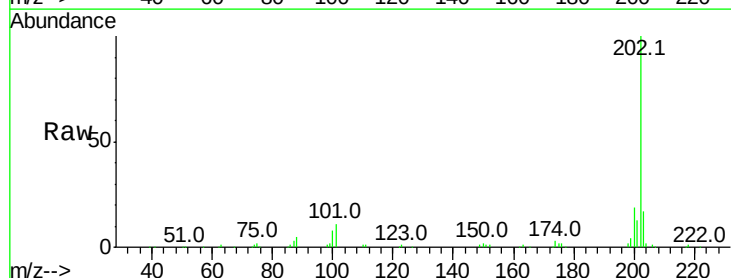


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

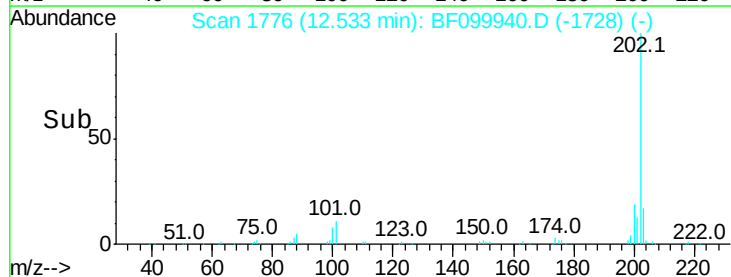
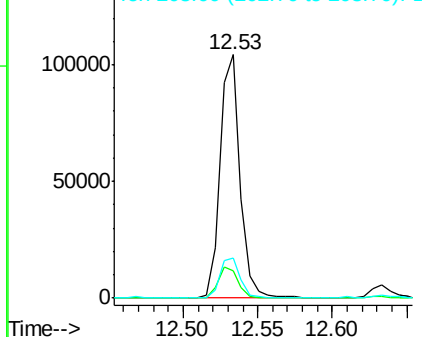


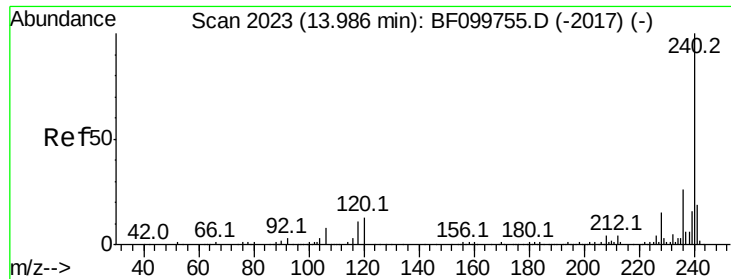
#74
Fluoranthene
Concen: 6.578 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.02 min
Lab File: BF099940.D
Acq: 29 Oct 2017 3:45

Tgt Ion:202 Resp: 98185
Ion Ratio Lower Upper
202 100
101 11.0 0.0 34.1
203 16.7 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

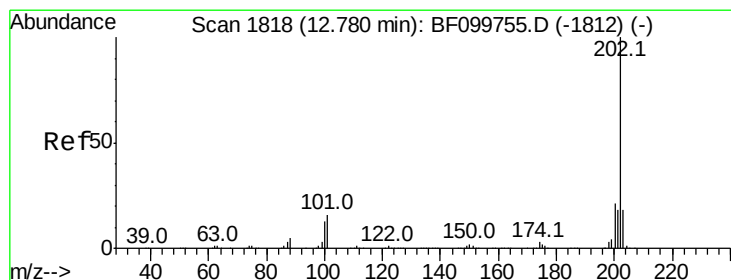
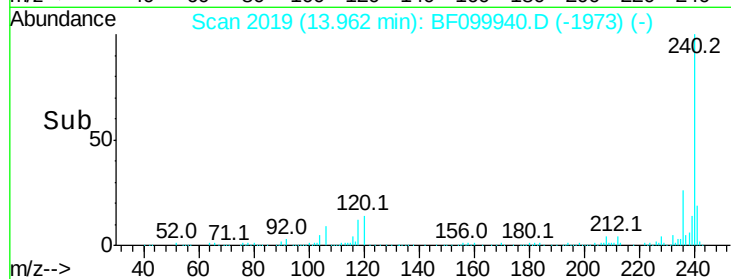
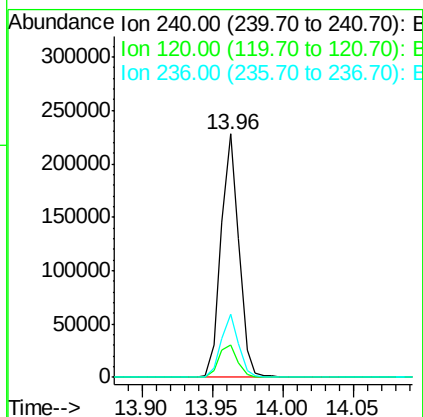
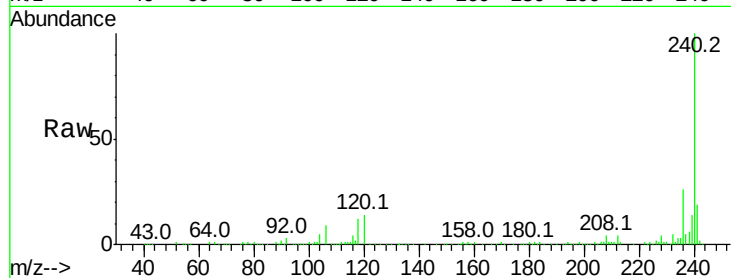




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.03 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

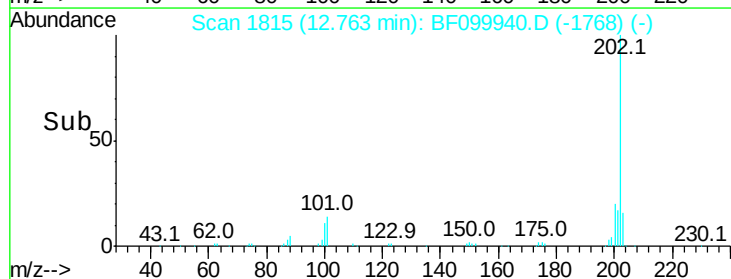
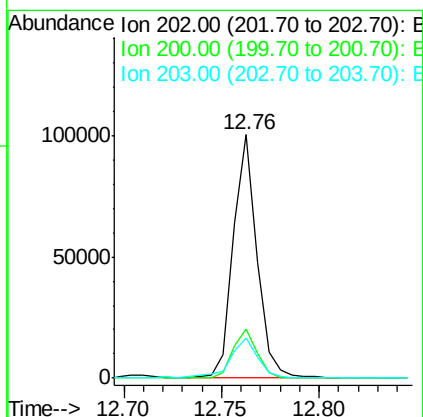
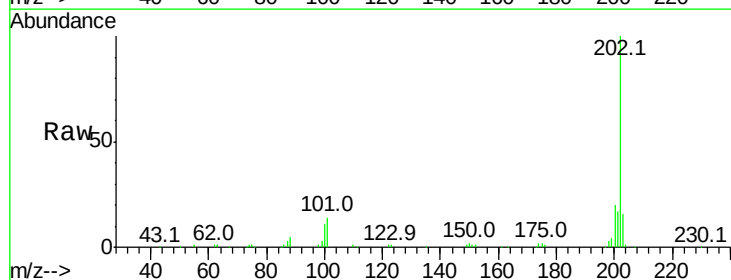
Instrument :
 BNA_F
 ClientSampleId :

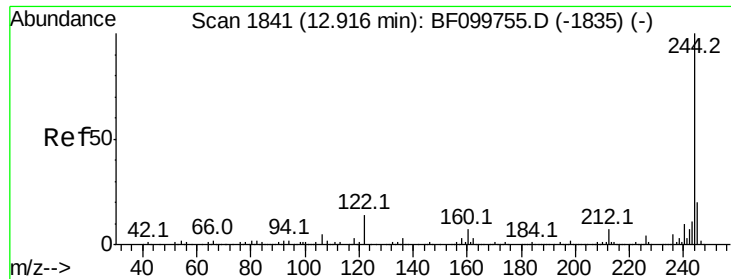
Tot Ion:240 Resp: 202179
 Ion Ratio Lower Upper
 240 100
 120 13.5 9.5 14.3
 236 26.0 20.7 31.1



#77
 Pyrene
 Concen: 5.538 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.02 min
 Lab File: BF099940.D
 Acq: 29 Oct 2017 3:45

Tgt Ion:202 Resp: 85143
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.4 26.2
 203 16.5 14.3 21.5





#78

Terphenyl-d14

Concen: 55.494 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.02 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

Instrument :

BNA_F

ClientSampleId :

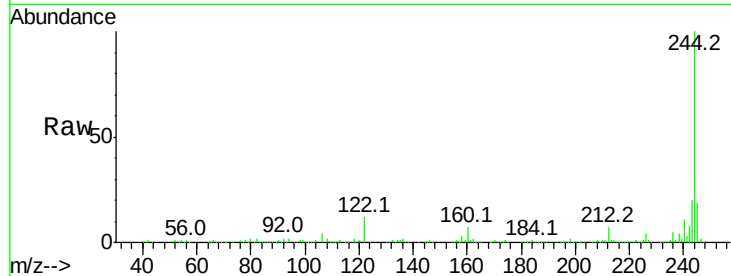
Tot Ion:244 Resp: 513402

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

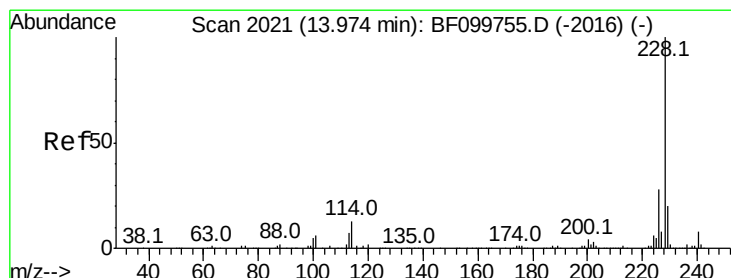
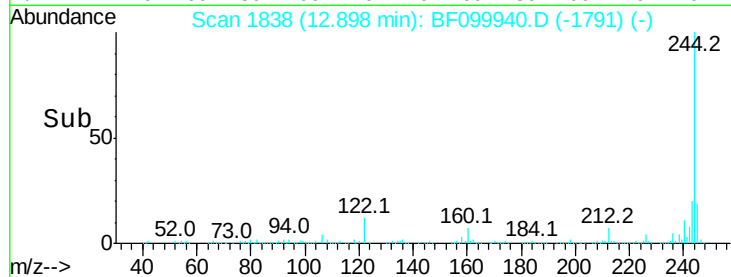
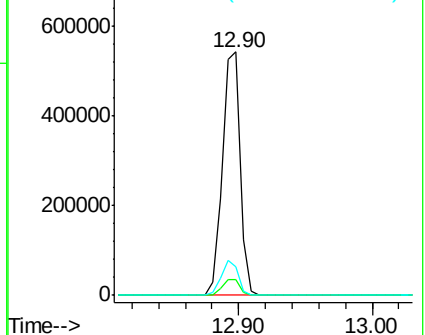
122 11.8 11.0 16.4



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: 3.310 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.03 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

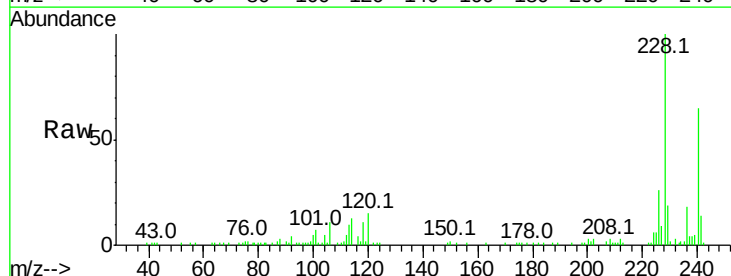
Tgt Ion:228 Resp: 42426

Ion Ratio Lower Upper

228 100

226 26.5 22.6 33.8

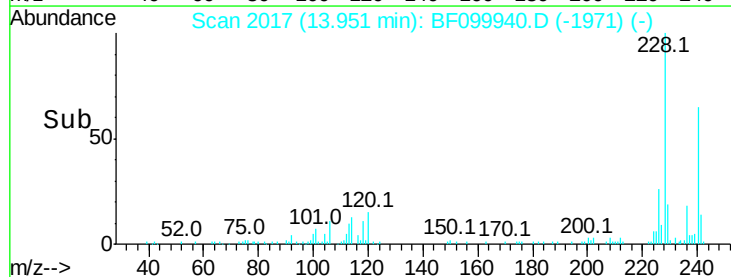
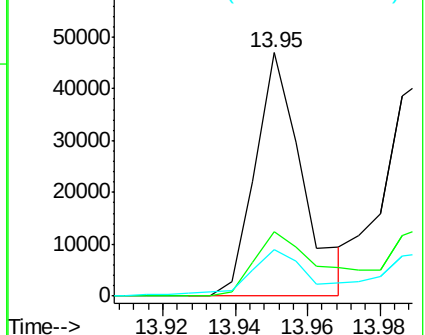
229 19.1 15.8 23.6

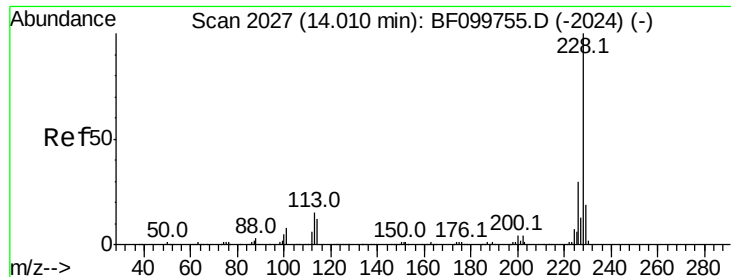


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.884 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

Instrument :

BNA_F

ClientSampleId :

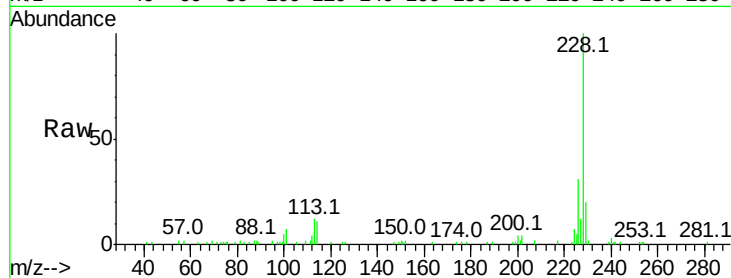
Tot Ion:228 Resp: 46798

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

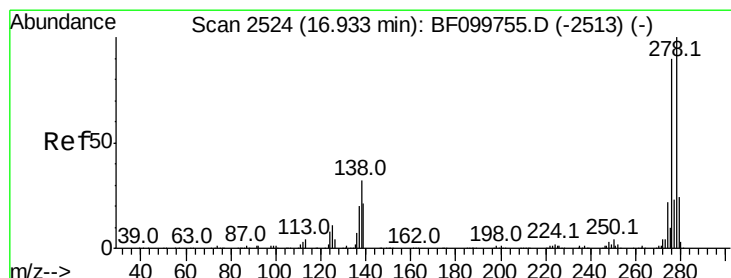
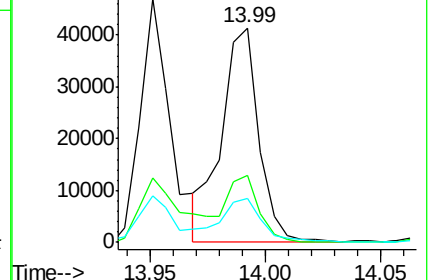
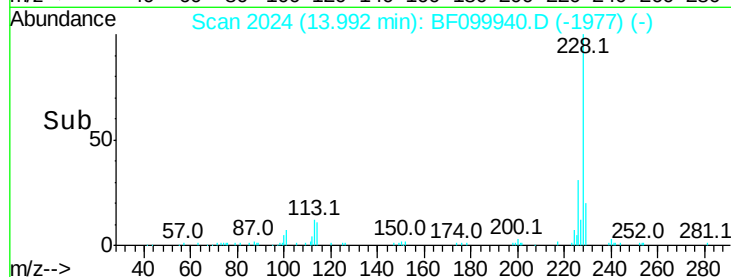
229 20.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.232 ng

RT: 16.90 min Scan# 2519

Delta R.T. -0.05 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

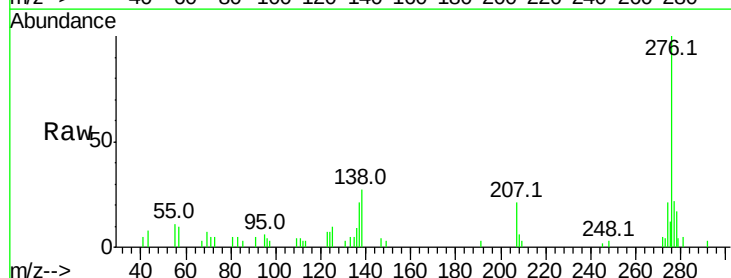
Tgt Ion:276 Resp: 24693

Ion Ratio Lower Upper

276 100

138 30.0 25.0 37.6

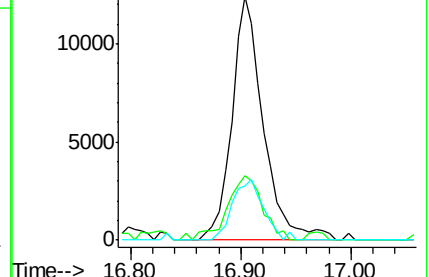
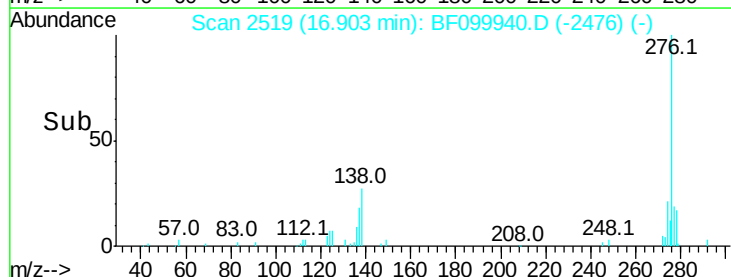
277 24.6 20.1 30.1

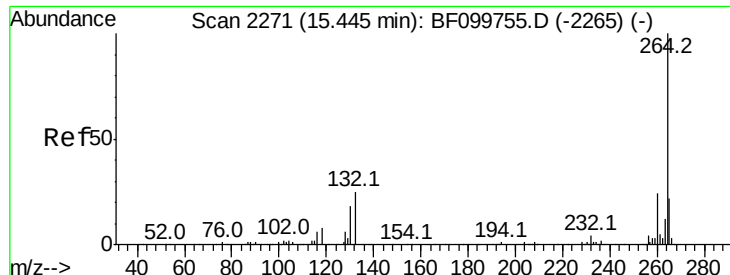


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



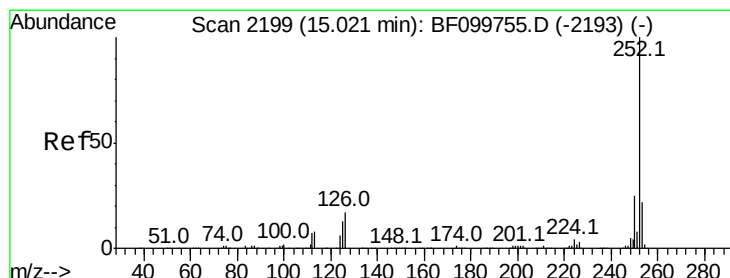
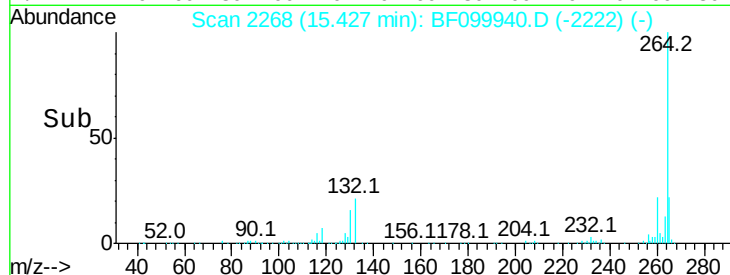
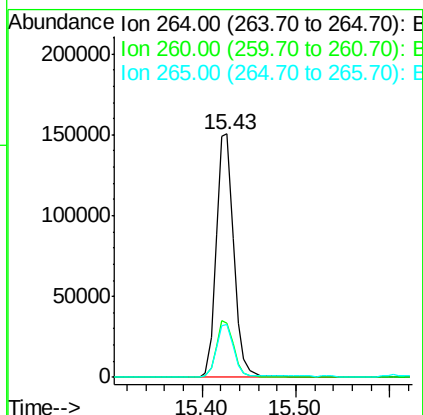
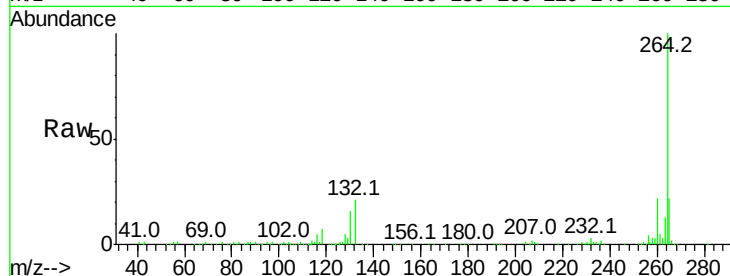


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF099940.D
Acq: 29 Oct 2017 3:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 198169

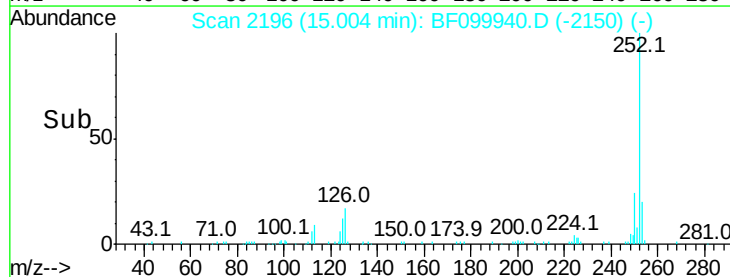
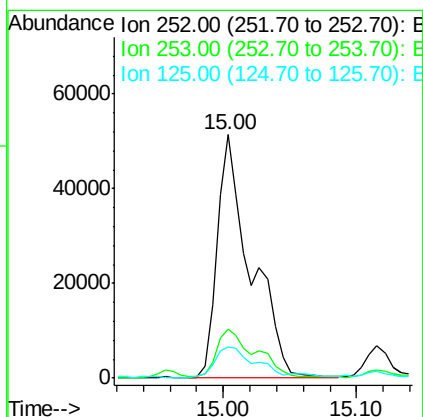
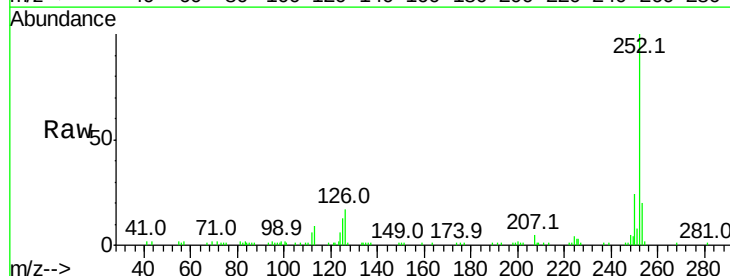
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	21.7	17.5	26.3

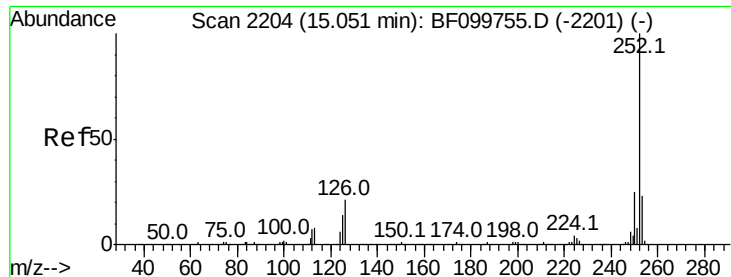


#87
Benzo(b)fluoranthene
Concen: 7.239 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF099940.D
Acq: 29 Oct 2017 3:45

Tgt Ion:252 Resp: 90580

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.6
125	12.7	9.0	13.6

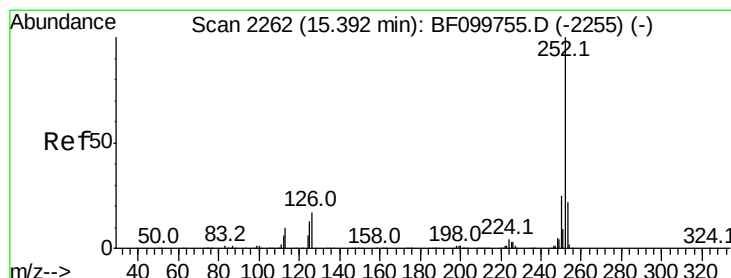
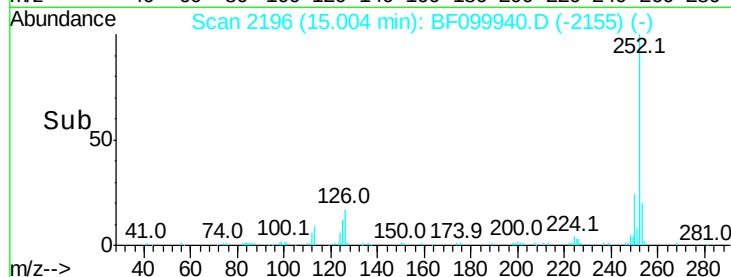
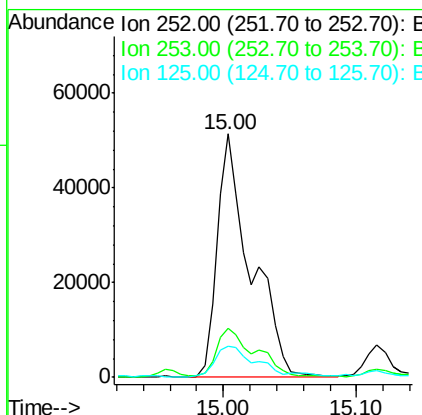
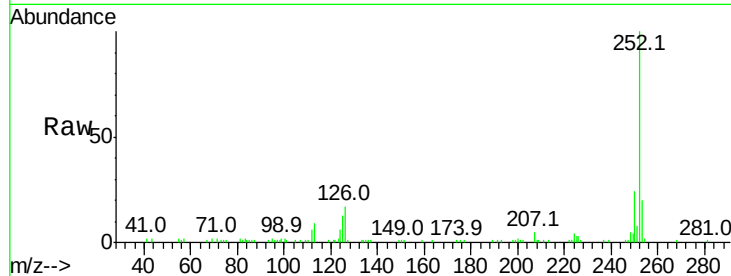




#88
Benzo(k)fluoranthene
Concen: 7.676 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.06 min
Lab File: BF099940.D
Acq: 29 Oct 2017 3:45

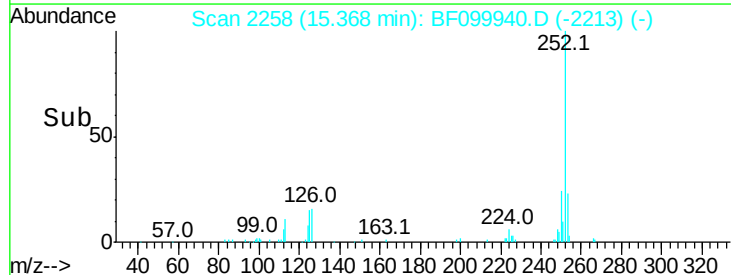
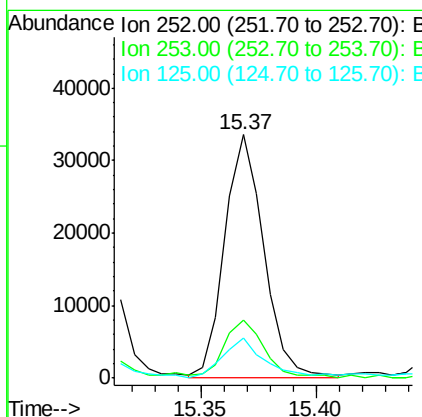
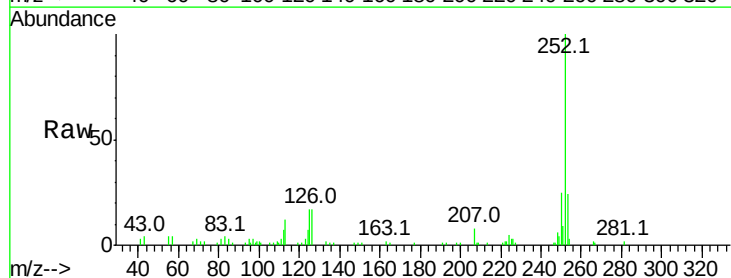
Instrument :
BNA_F
ClientSampleId :

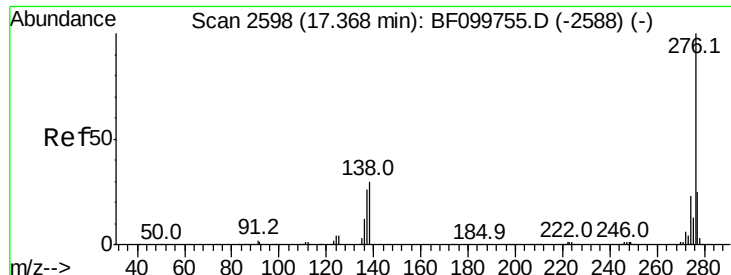
Tot Ion:252 Resp: 90580
Ion Ratio Lower Upper
252 100
253 20.1 17.9 26.9
125 12.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.530 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF099940.D
Acq: 29 Oct 2017 3:45

Tgt Ion:252 Resp: 39684
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 16.6 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.304 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.05 min

Lab File: BF099940.D

Acq: 29 Oct 2017 3:45

Instrument :

BNA_F

ClientSampleId :

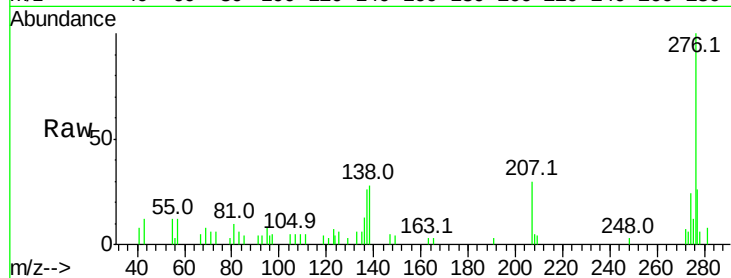
Tot Ion:276 Resp: 22513

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 27.7 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

