

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093241.D
 Acq On : 28 Feb 2017 11:50
 Operator : SJ/MA
 Sample : I1992-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 13:05:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	136826	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	527443	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	254589	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	472410	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	324484	20.00	ng	-0.06
86) Perylene-d12	15.39	264	277221	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1031635	129.35	ng	-0.03
7) Phenol-d6	6.46	99	1325212	129.14	ng	-0.02
23) Nitrobenzene-d5	7.38	82	841081	88.80	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	227686	123.65	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	1341940	95.49	ng	-0.05
78) Terphenyl-d14	12.91	244	1045588	75.71	ng	-0.06

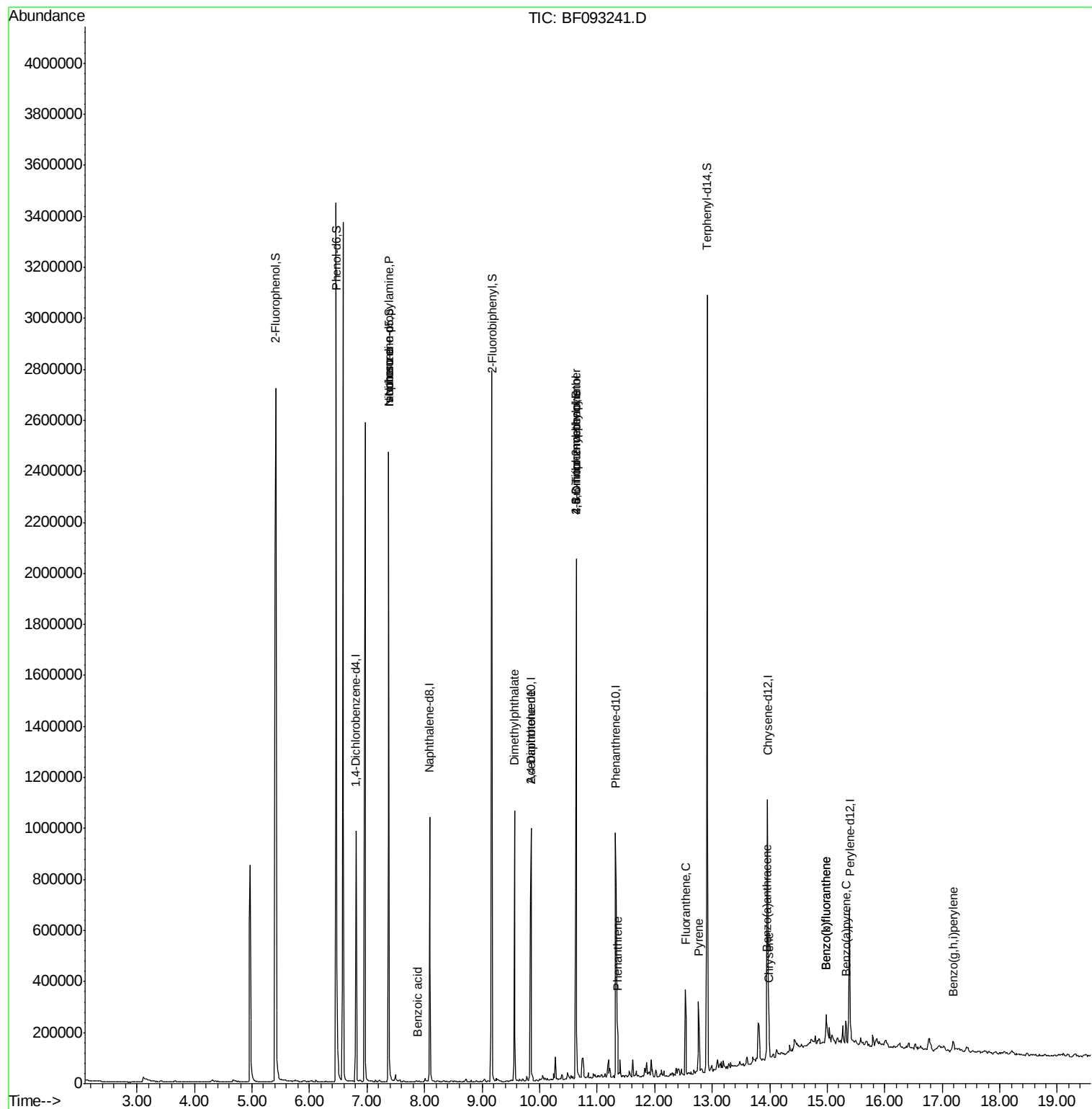
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	115270	17.65	ng	# 79
25) Isophorone	7.38	82	834046	47.26	ng	# 65
32) Benzoic acid	7.88	122	217	7.21	ng	# 31
49) Dimethylphthalate	9.56	163	407534	23.77	ng	98
56) 2,4-Dinitrotoluene	9.85	165	32474	6.59	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.64	198	555	2.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17134	3.47	ng	# 1
70) Phenanthrene	11.36	178	104805	3.87	ng	96
74) Fluoranthene	12.53	202	168145	6.02	ng	95
77) Pyrene	12.76	202	145708	6.00	ng	99
80) Benzo(a)anthracene	13.95	228	63776	3.21	ng	97
82) Chrysene	13.99	228	45446	2.45	ng	96
87) Benzo(b)fluoranthene	14.98	252	80037	4.39	ng	# 96
88) Benzo(k)fluoranthene	14.98	252	80037	5.08	ng	# 94
89) Benzo(a)pyrene	15.32	252	42502	2.69	ng	# 92
91) Benzo(g,h,i)perylene	17.19	276	30672	2.38	ng	# 86

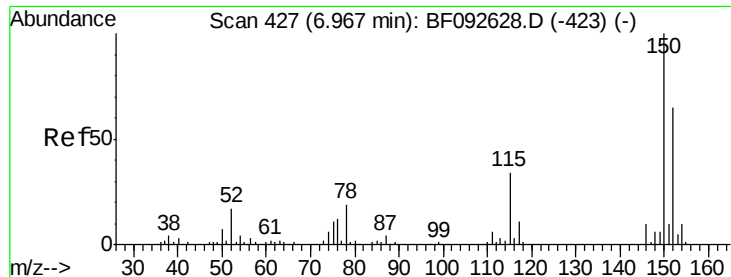
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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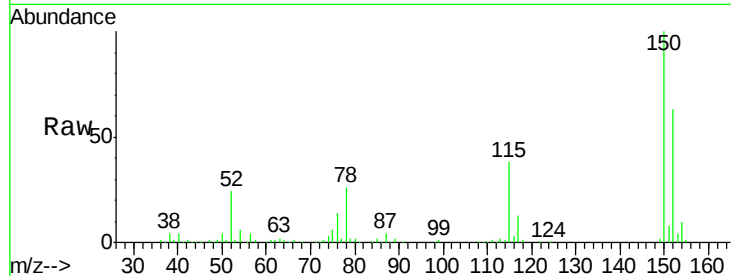


#1

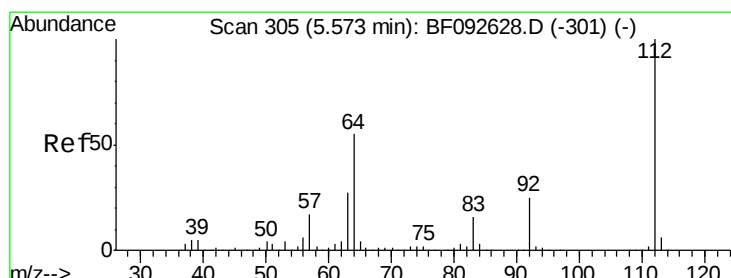
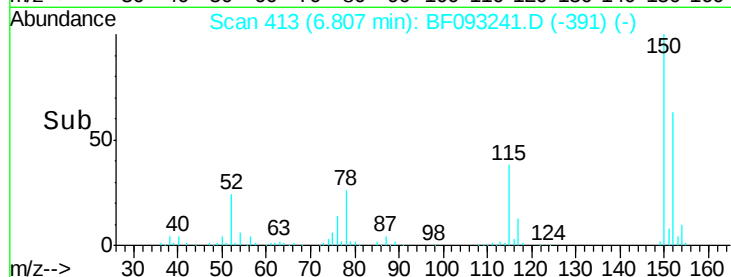
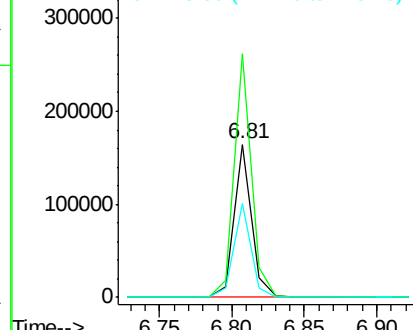
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136826
Ion Ratio Lower Upper
152 100
150 158.9 124.9 187.3
115 61.1 46.0 69.0



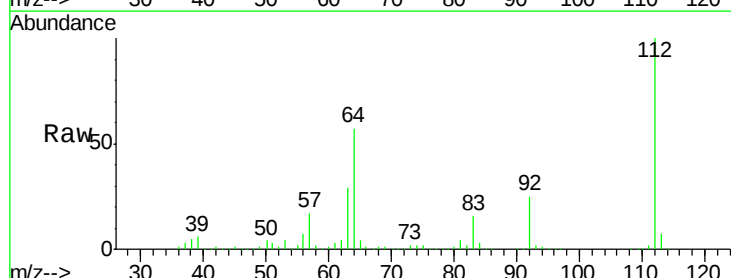
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



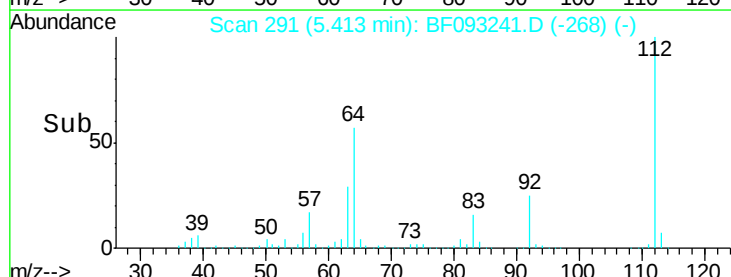
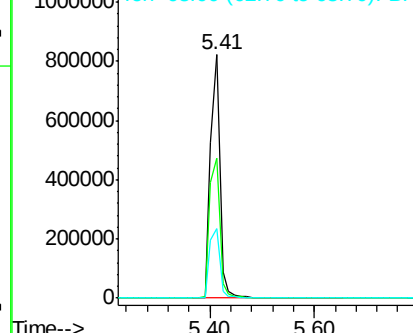
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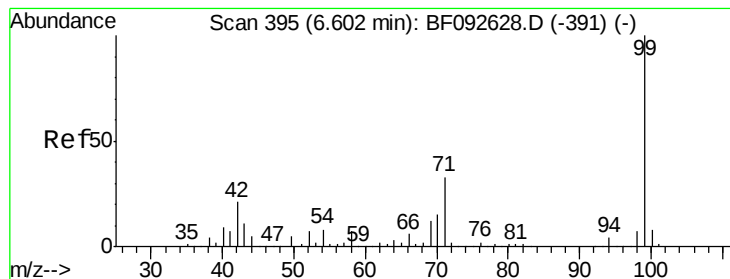
2-Fluorophenol
Concen: 129.35 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Tgt Ion:112 Resp: 1031635
Ion Ratio Lower Upper
112 100
64 57.4 46.1 69.1
63 28.7 23.8 35.6



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: 129.14 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

ClientSampleId :

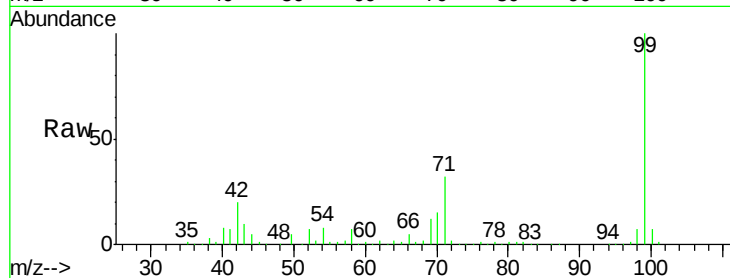
Tot Ion: 99 Resp: 1325212

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

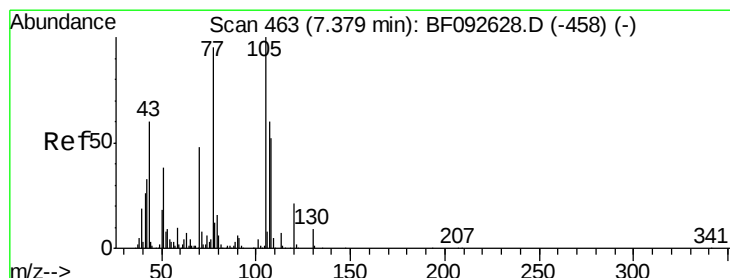
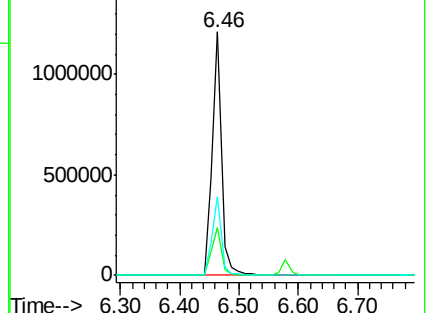
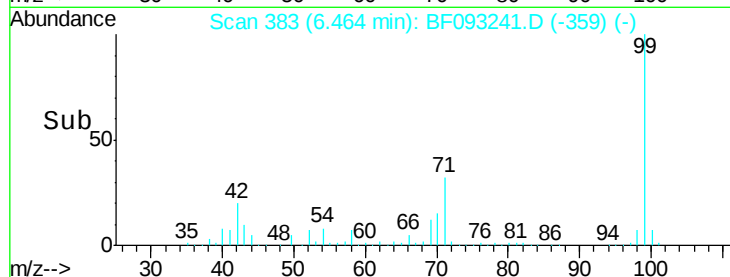
71 32.4 27.5 41.3



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: 17.65 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Tgt Ion: 70 Resp: 115270

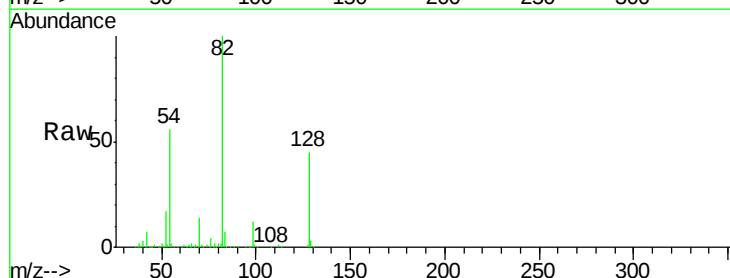
Ion Ratio Lower Upper

70 100

42 49.5 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

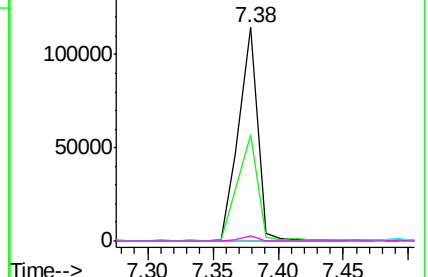
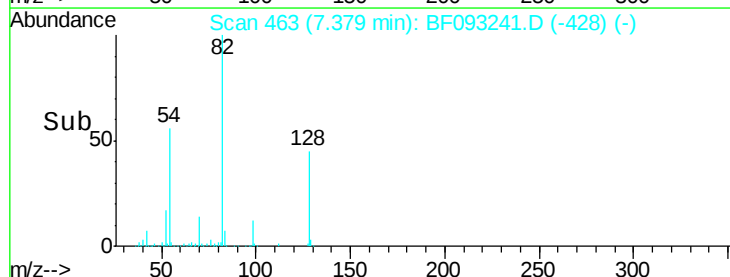


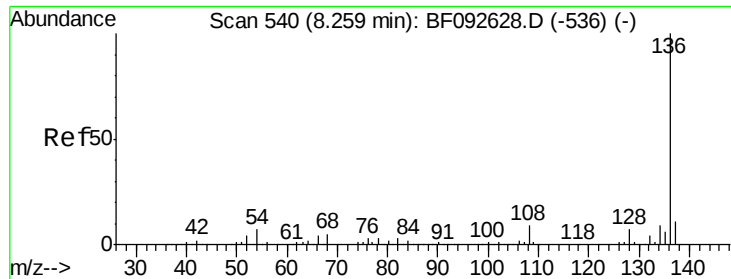
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

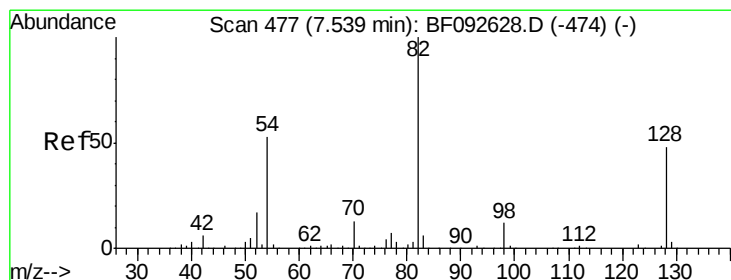
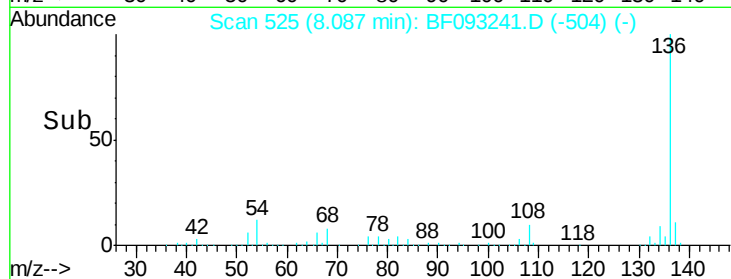
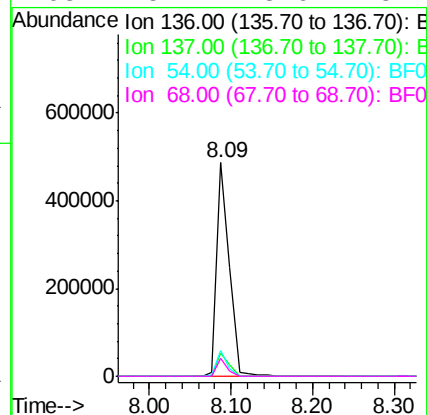
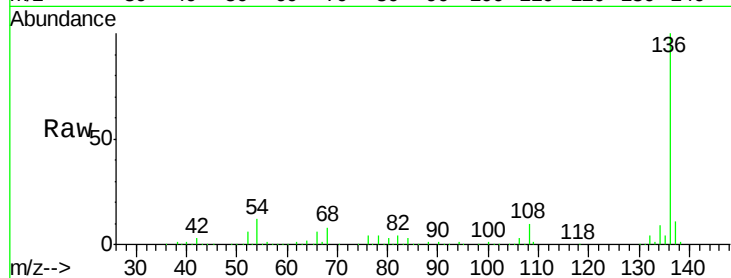




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

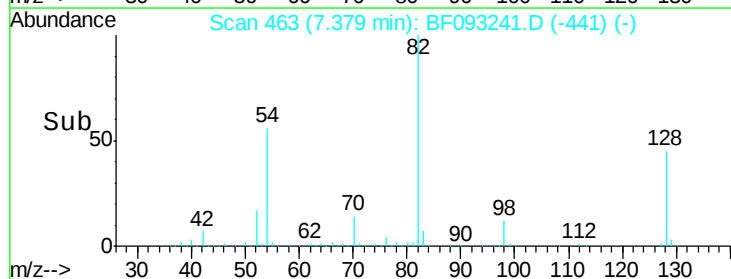
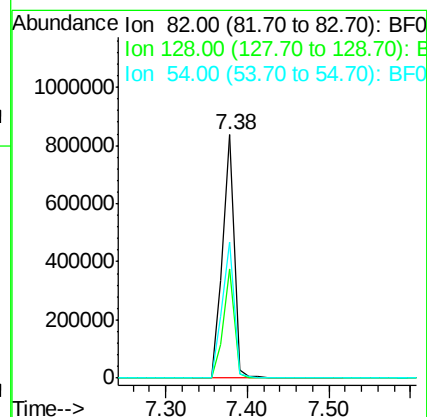
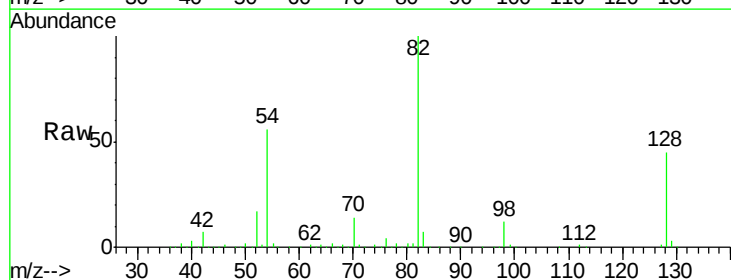
Instrument :
BNA_F
ClientSampleId :

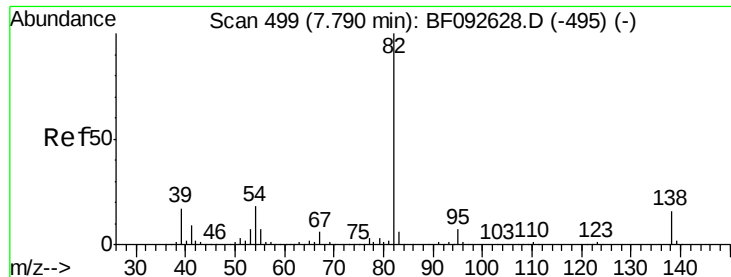
Tot Ion:136	Resp:	527443
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.4 12.6
54	11.9	4.5 6.7#
68	8.2	3.6 5.4#



#23
Nitrobenzene-d5
Concen: 88.80 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Tgt Ion: 82	Resp:	841081
Ion Ratio	Lower	Upper
82	100	
128	44.9	34.6 52.0
54	55.8	39.5 59.3

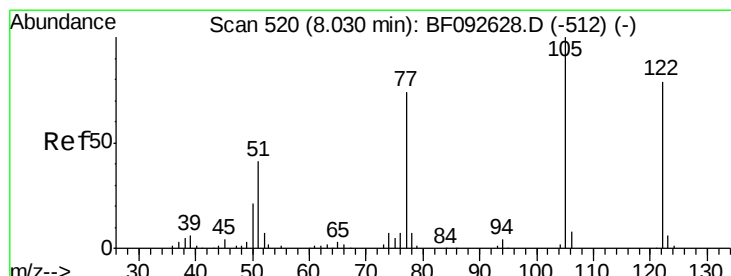
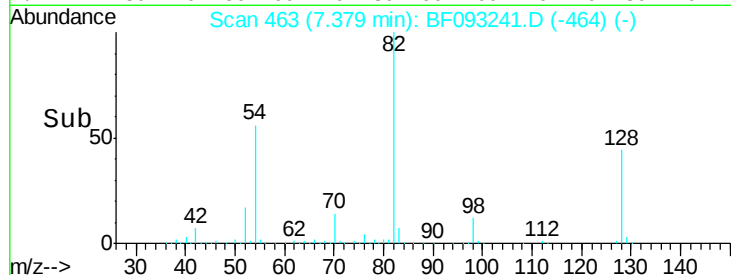
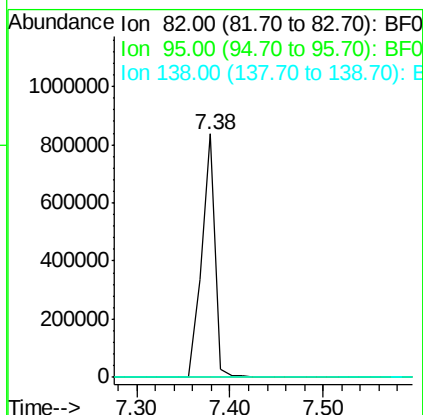
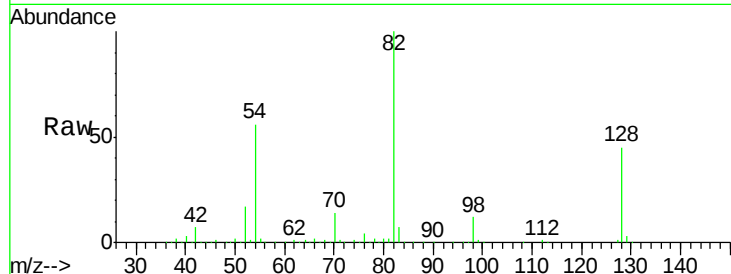




#25
Isophorone
Concen: 47.26 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.31 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

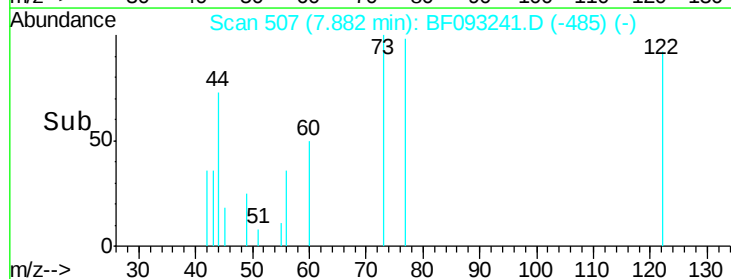
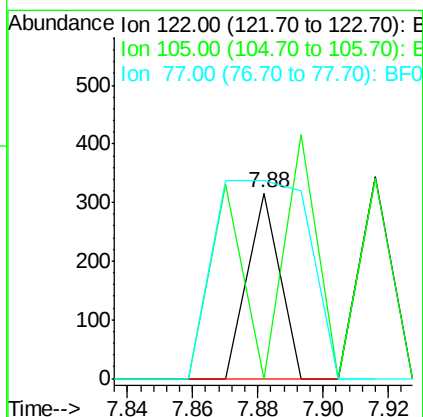
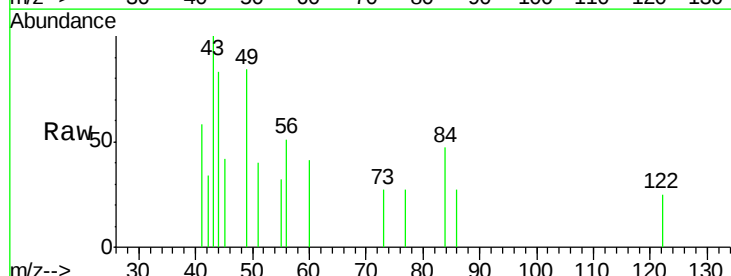
Instrument :
BNA_F
ClientSampleId :

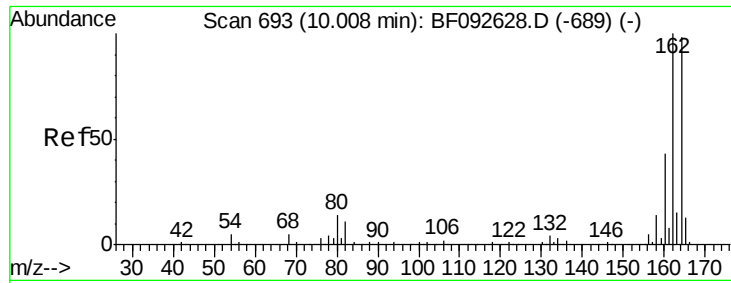
Tot Ion: 82 Resp: 834046
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.21 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Tgt Ion: 122 Resp: 217
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 106.6 74.5 114.5

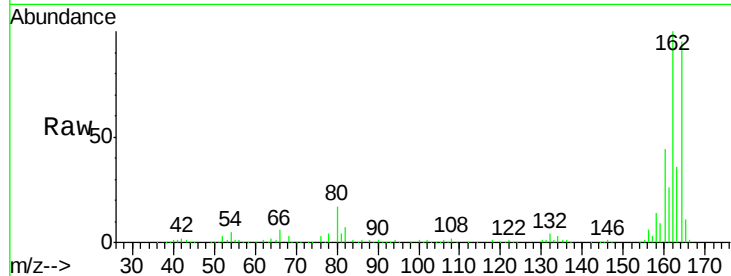




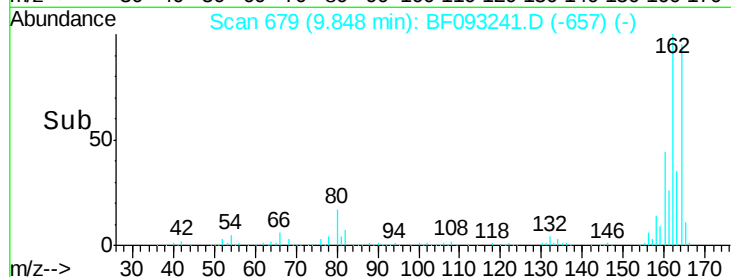
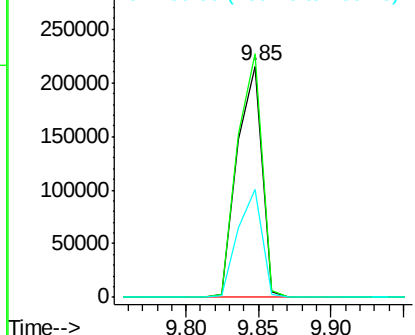
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 254589
 Ion Ratio Lower Upper
 164 100
 162 105.4 80.2 120.2
 160 46.8 36.9 55.3

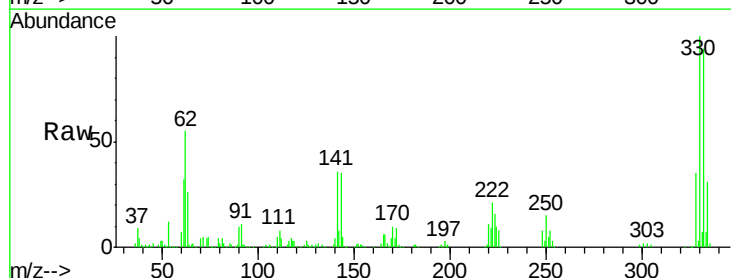


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

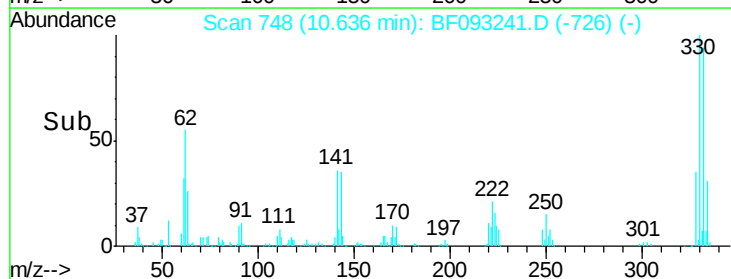
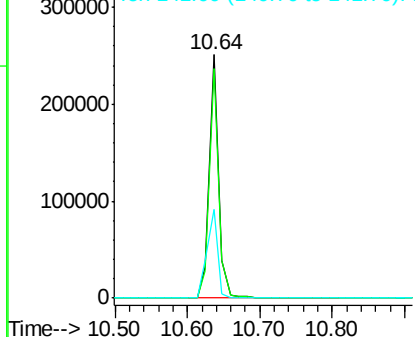


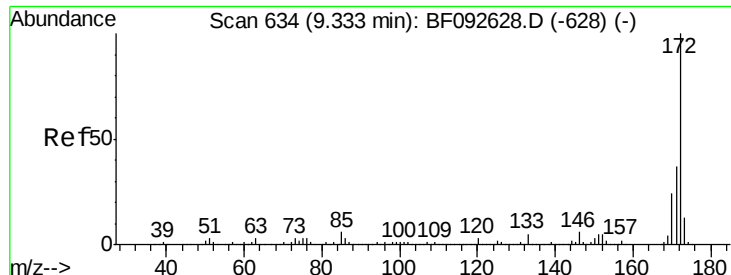
#41
 2,4,6-Tribromophenol
 Concen: 123.65 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Tgt Ion:330 Resp: 227686
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.4 116.2
 141 41.0 34.1 51.1



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

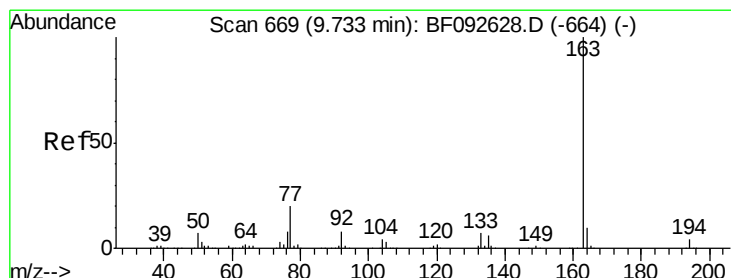
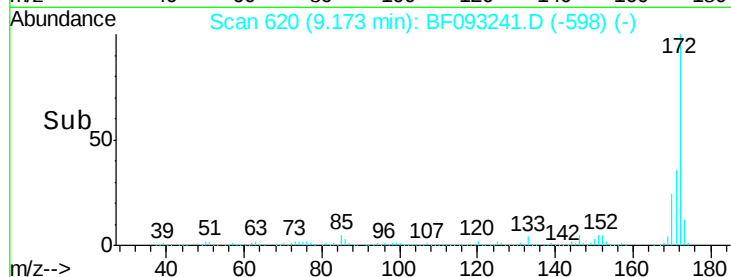
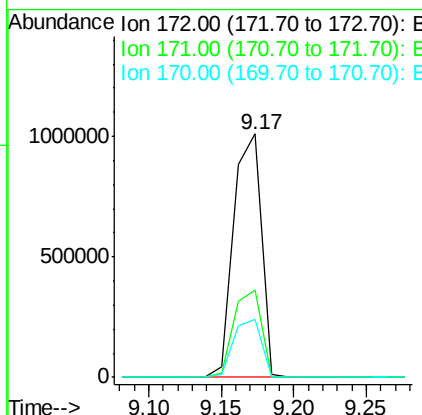
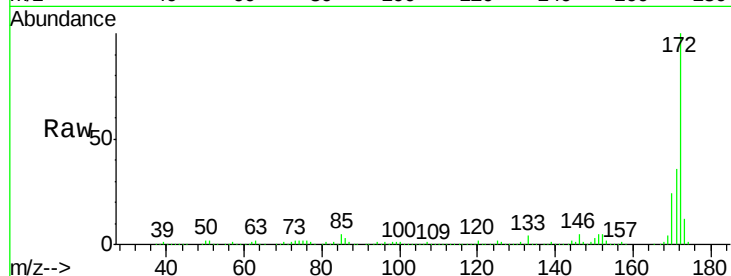




#44
2-Fluorobiphenyl
Concen: 95.49 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

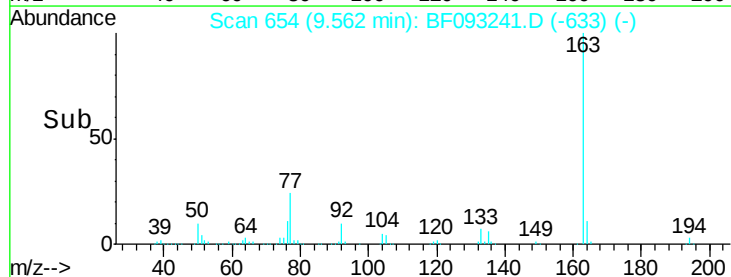
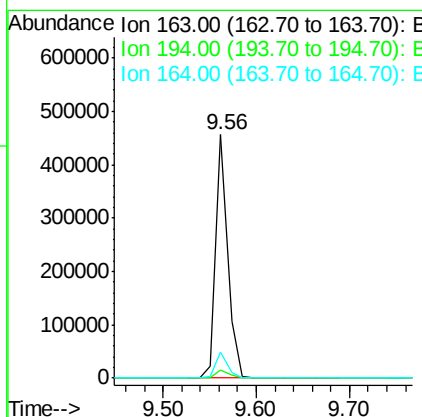
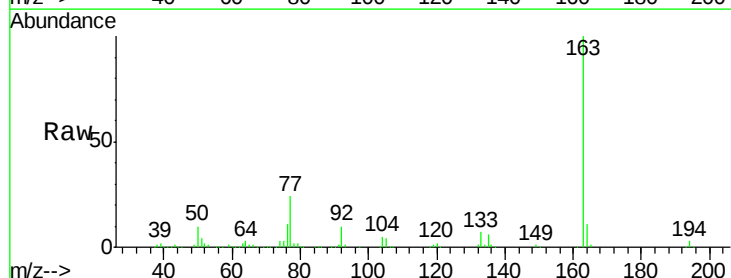
Instrument :
BNA_F
ClientSampleId :

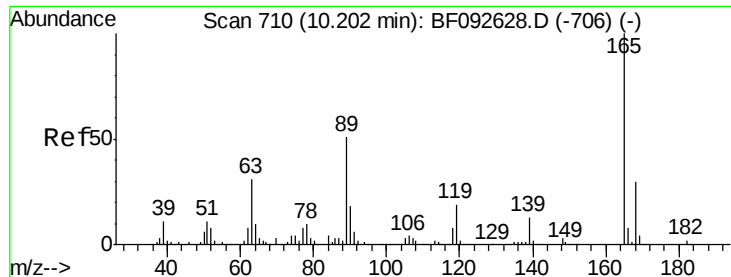
Tot Ion:172 Resp: 1341940
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 23.7 20.2 30.4



#49
Dimethylphthalate
Concen: 23.77 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Tgt Ion:163 Resp: 407534
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 10.6 8.0 12.0

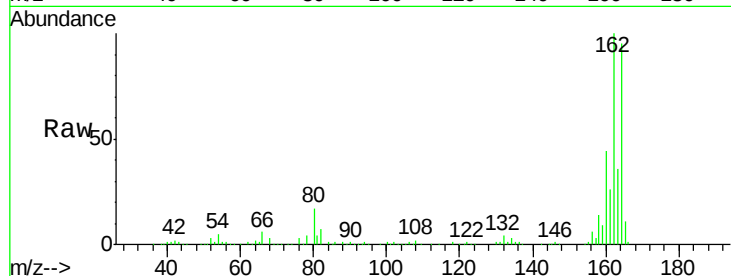




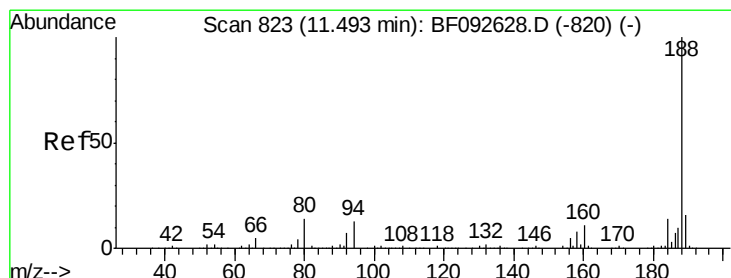
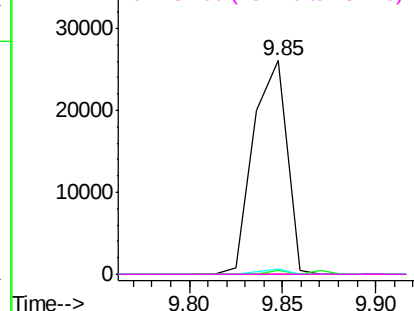
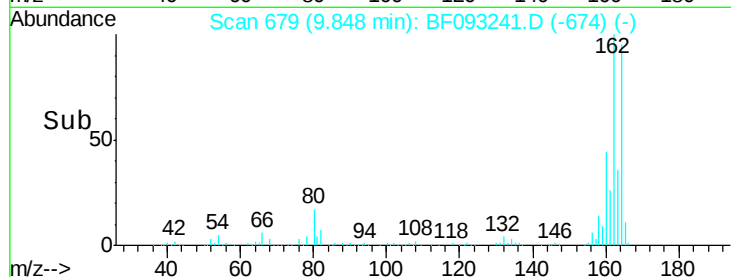
#56
 2,4-Dinitrotoluene
 Concen: 6.59 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.24 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 32474
 Ion Ratio Lower Upper
 165 100
 63 1.7 40.2 60.4#
 89 2.2 62.5 93.7#
 182 0.0 1.8 2.8#

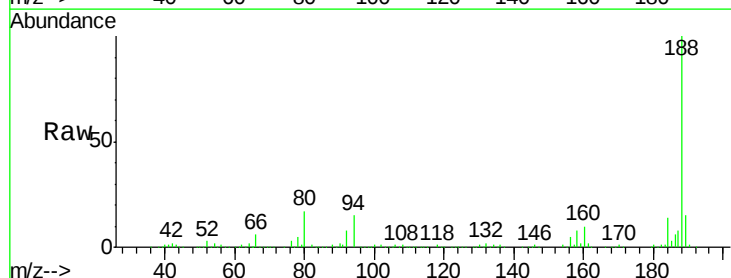


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

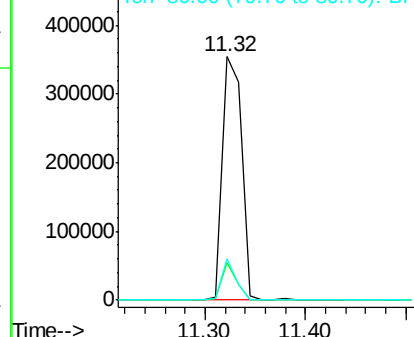
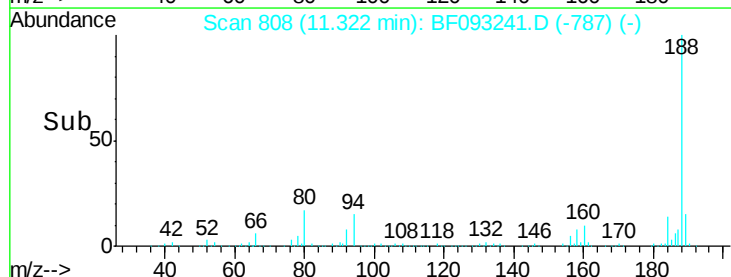


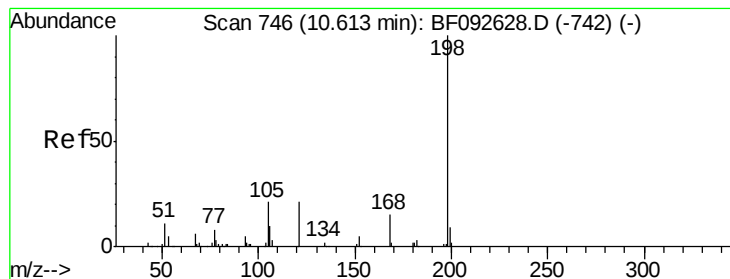
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.06 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Tgt Ion:188 Resp: 472410
 Ion Ratio Lower Upper
 188 100
 94 15.2 10.0 15.0#
 80 17.1 11.2 16.8#



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





#64

4,6-Dinitro-2-methylphenol

Concen: 2.85 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

ClientSampleId :

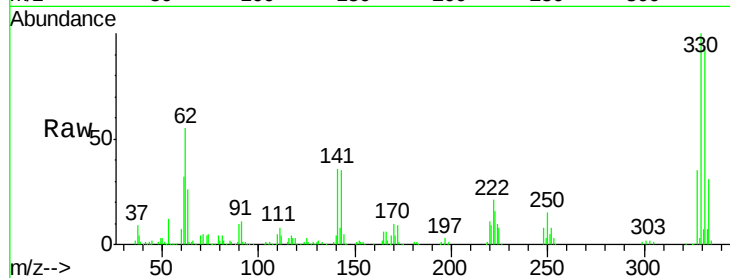
Tot Ion:198 Resp: 555

Ion Ratio Lower Upper

198 100

51 164.4 6.7 46.7#

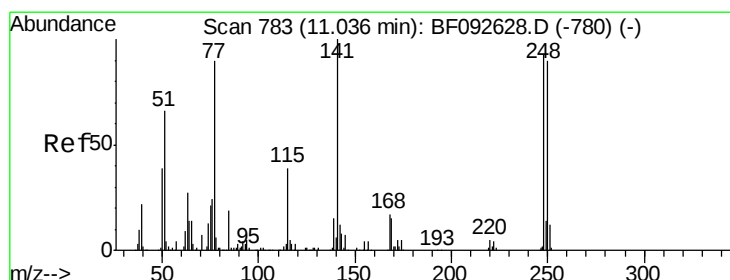
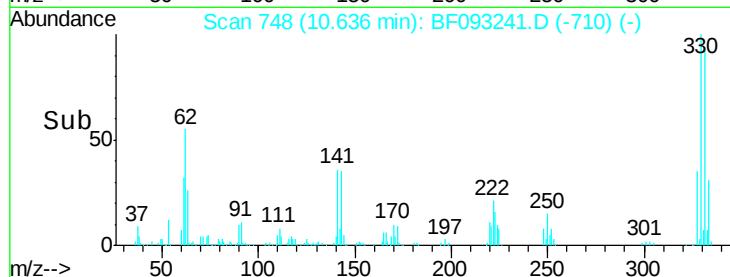
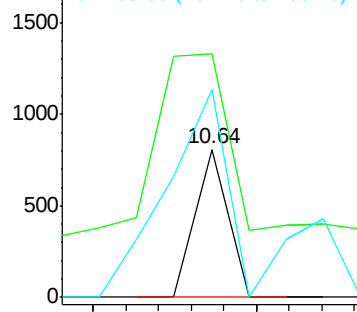
105 140.3 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.47 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

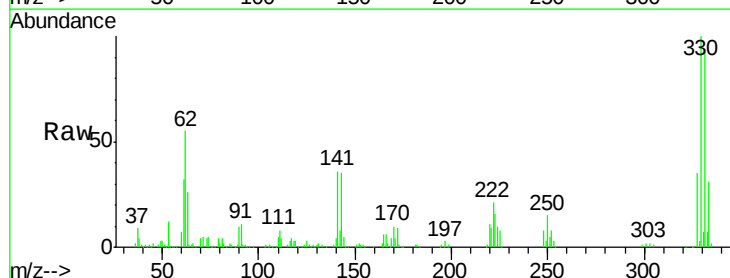
Tgt Ion:248 Resp: 17134

Ion Ratio Lower Upper

248 100

250 199.8 76.9 115.3#

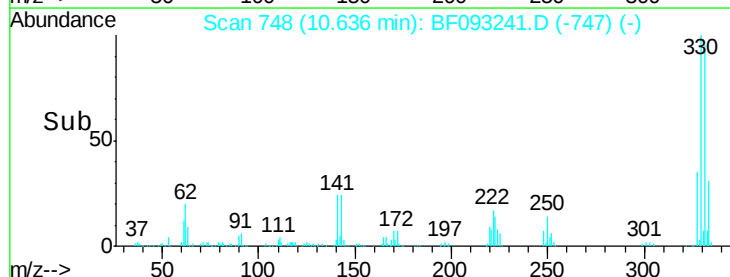
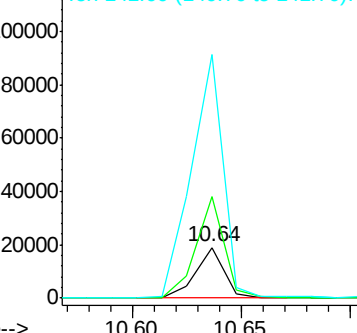
141 478.1 68.2 102.4#

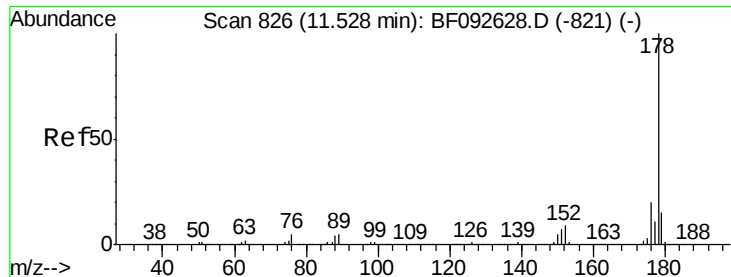


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

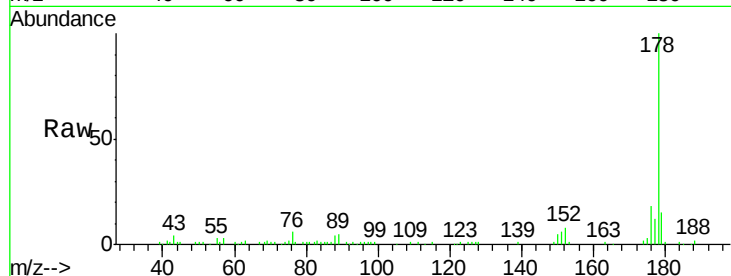




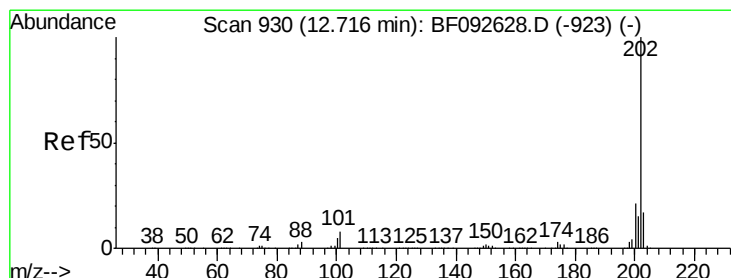
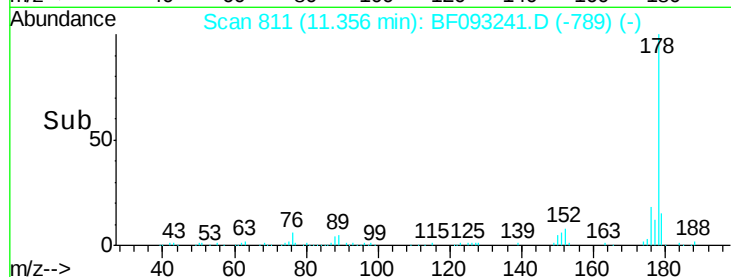
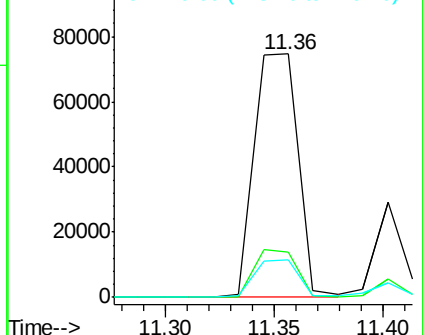
#70
Phenanthrene
Concen: 3.87 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 104805
Ion Ratio Lower Upper
178 100
176 18.4 16.6 25.0
179 15.2 12.8 19.2

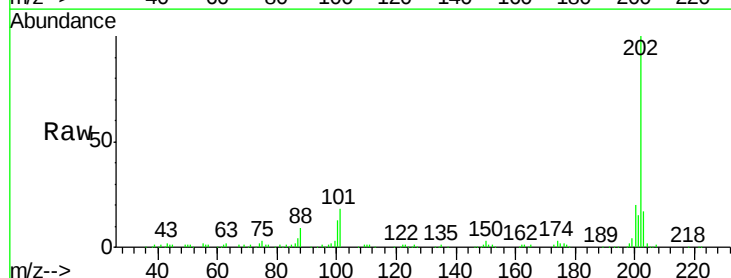


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

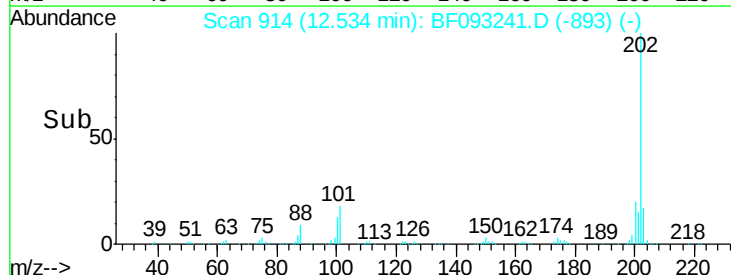
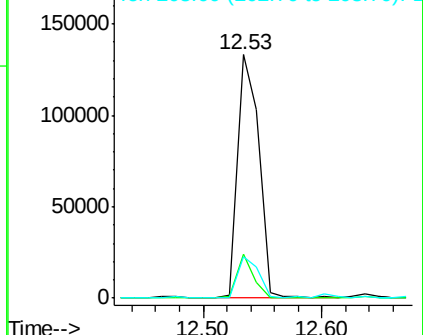


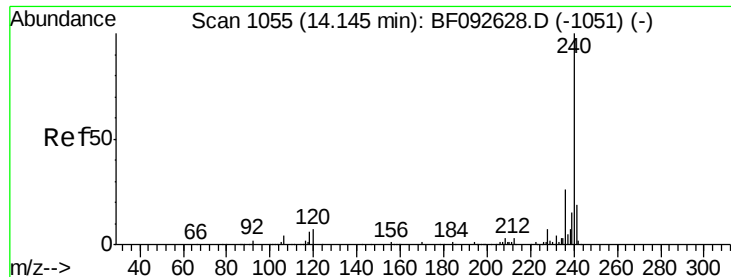
#74
Fluoranthene
Concen: 6.02 ng
RT: 12.53 min Scan# 914
Delta R.T. -0.06 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Tgt Ion:202 Resp: 168145
Ion Ratio Lower Upper
202 100
101 17.9 0.0 34.6
203 17.2 0.0 38.7



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: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

ClientSampleId :

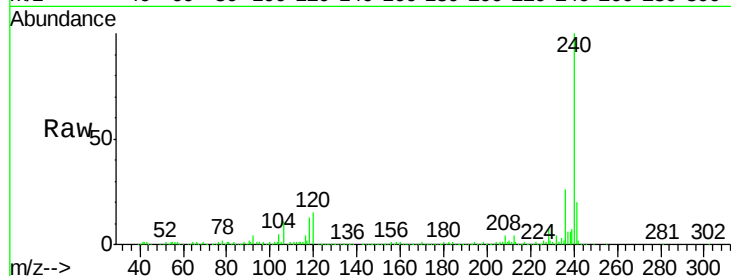
Tot Ion:240 Resp: 324484

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

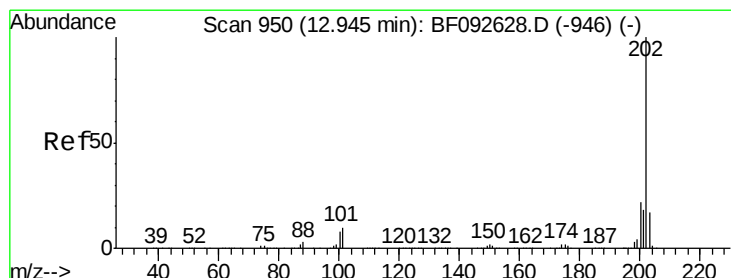
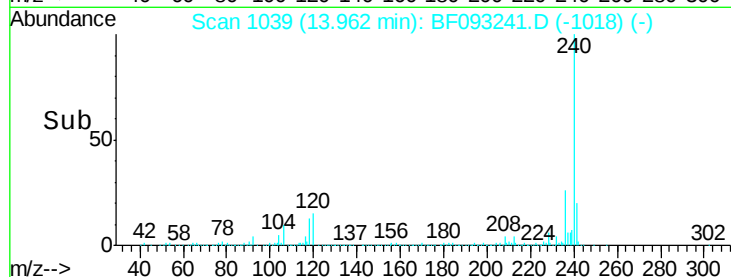
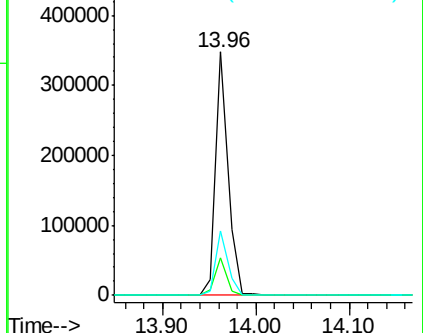
236 26.2 20.9 31.3



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: 6.00 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

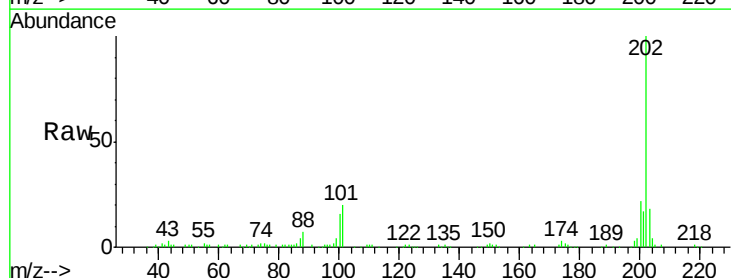
Tgt Ion:202 Resp: 145708

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

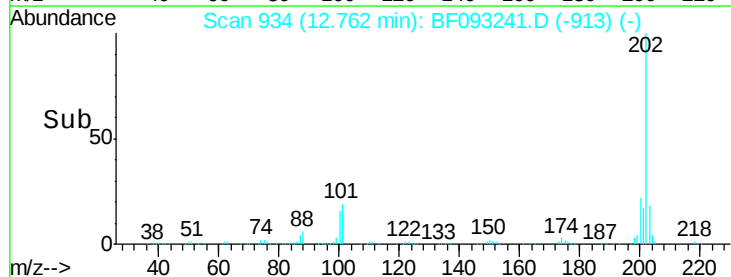
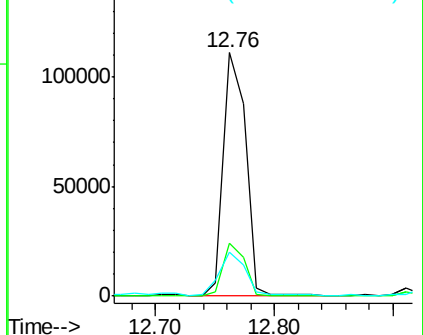
203 18.3 14.7 22.1

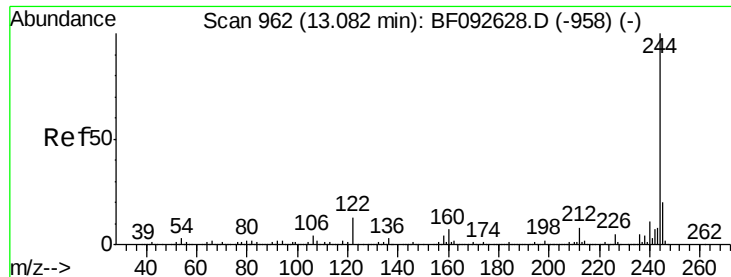


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

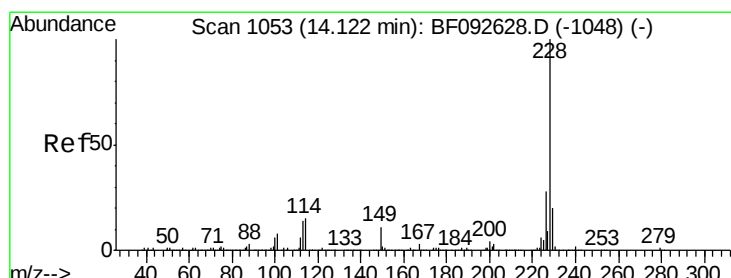
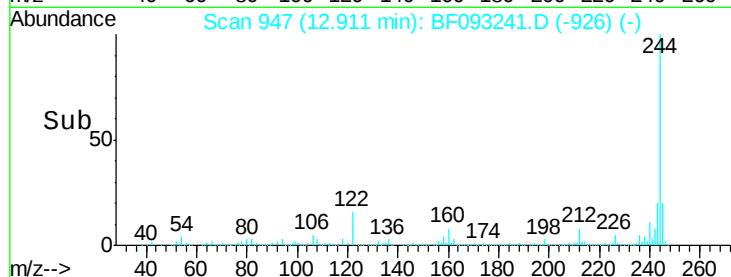
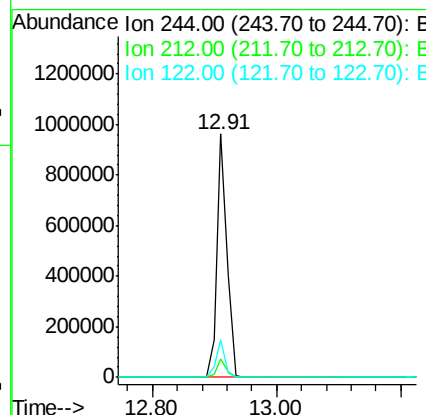
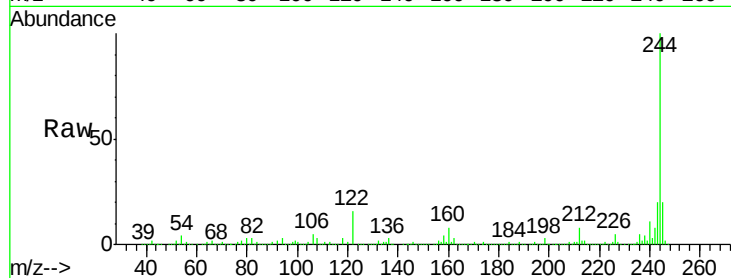




#78
 Terphenyl-d14
 Concen: 75.71 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

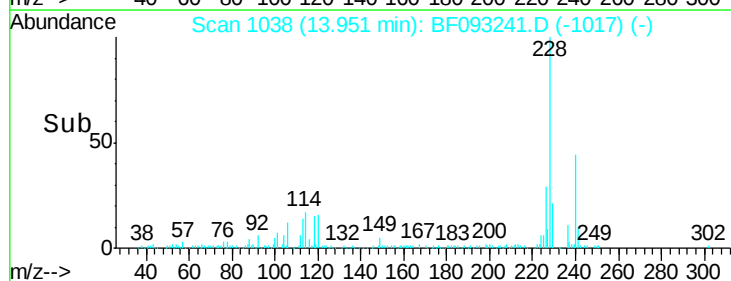
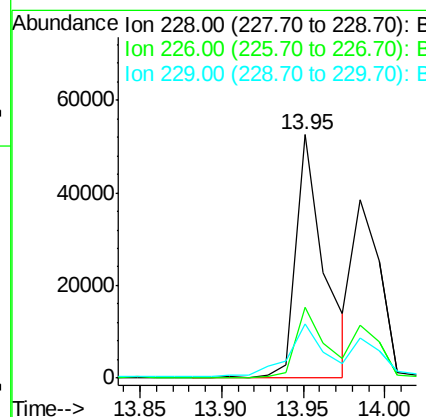
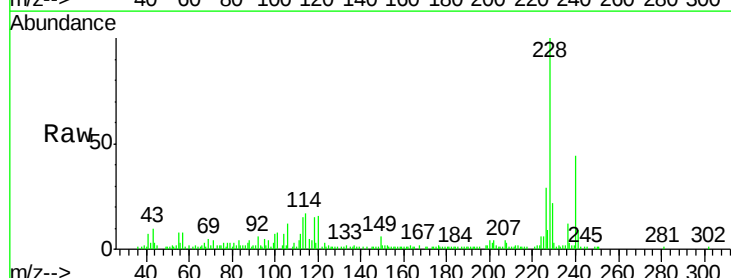
Instrument :
 BNA_F
 ClientSampleId :

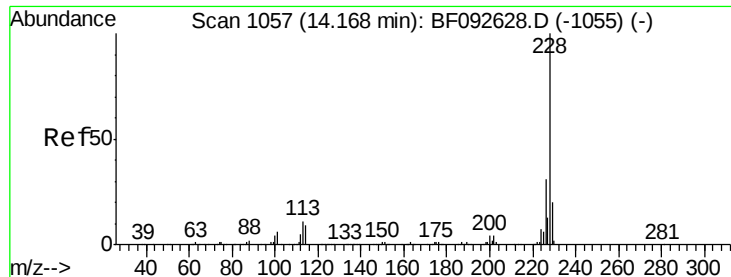
Tot Ion:244 Resp: 1045588
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 15.5 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 3.21 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.06 min
 Lab File: BF093241.D
 Acq: 28 Feb 2017 11:50

Tgt Ion:228 Resp: 63776
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.4 33.6
 229 22.2 16.2 24.4





#82

Chrysene

Concen: 2.45 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

ClientSampleId :

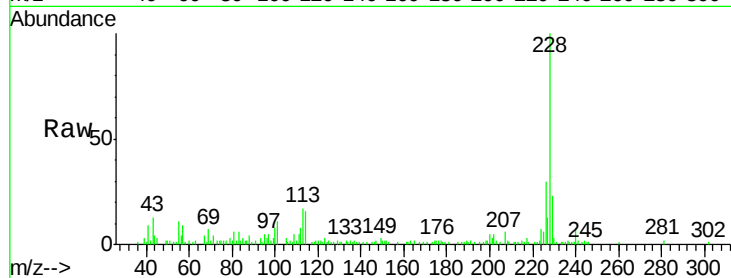
Tot Ion:228 Resp: 45446

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

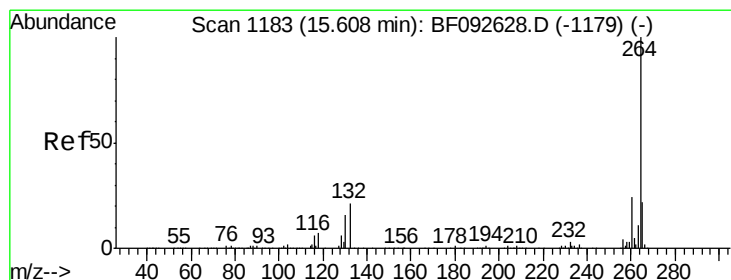
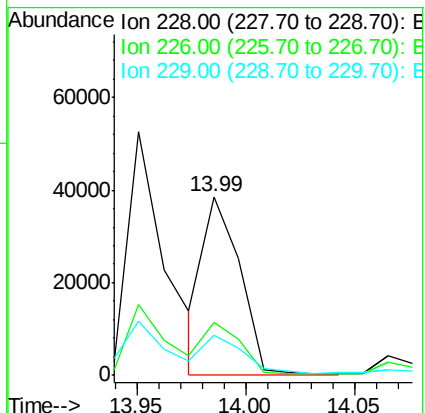
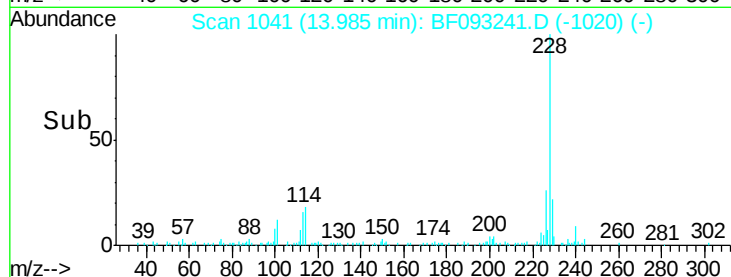
229 22.8 16.2 24.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.39 min Scan# 1164

Delta R.T. -0.06 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

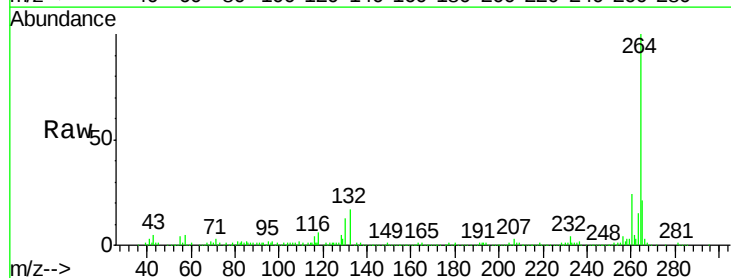
Tgt Ion:264 Resp: 277221

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

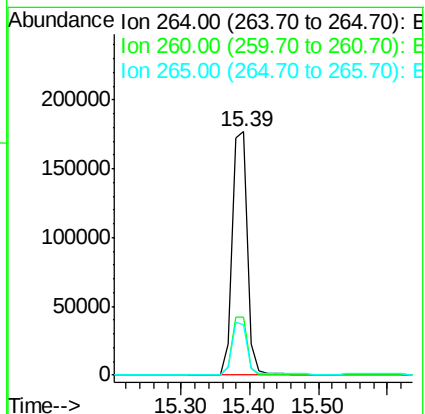
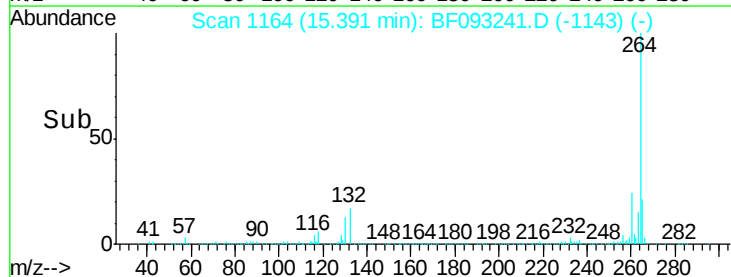
265 20.8 17.4 26.0

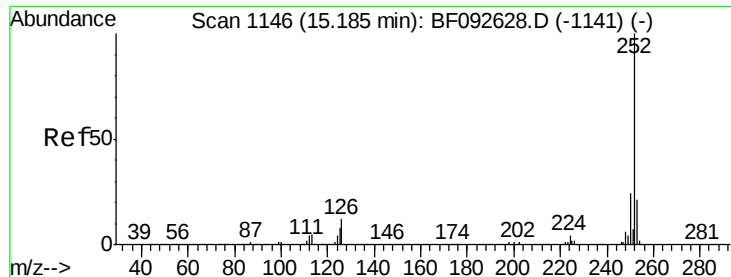


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

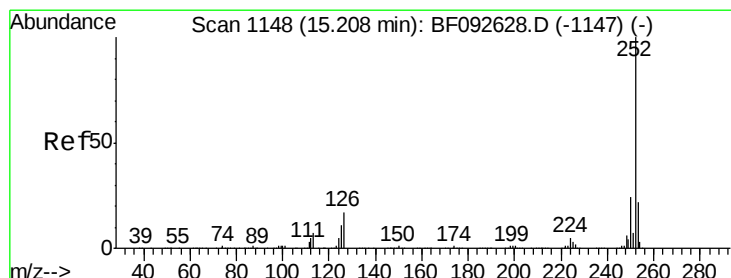
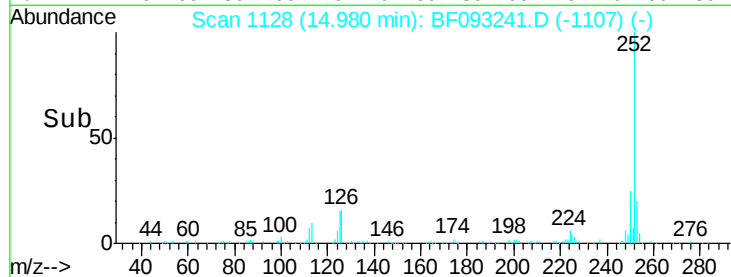
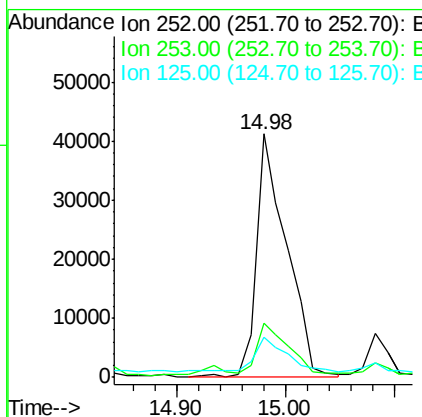
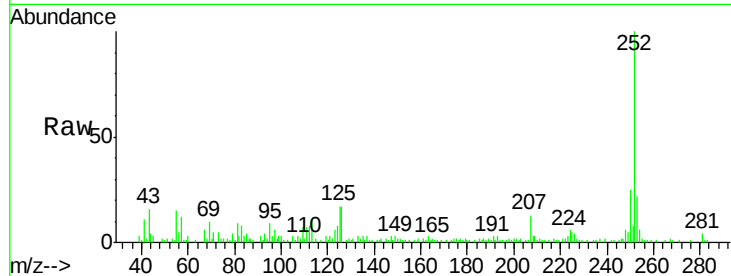




#87
Benzo(b)fluoranthene
Concen: 4.39 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.06 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

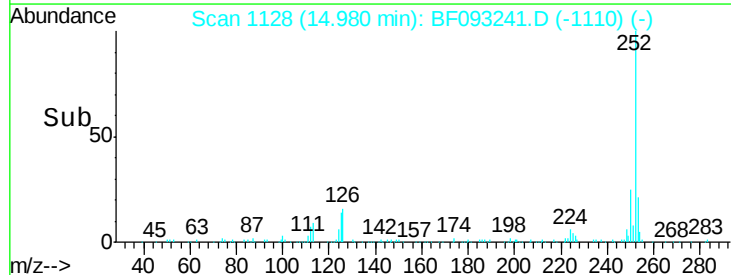
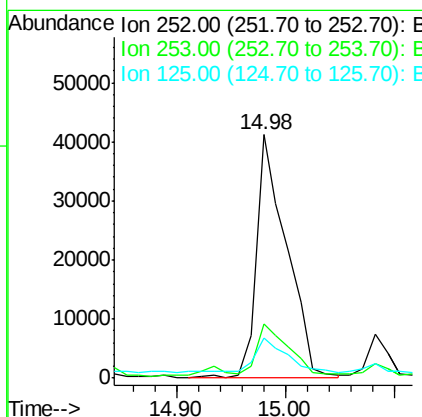
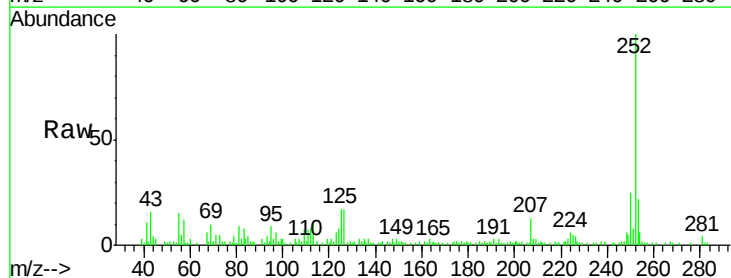
Instrument :
BNA_F
ClientSampleId :

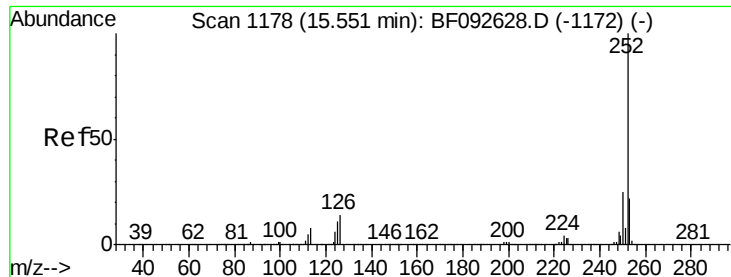
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	16.5	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 5.08 ng
RT: 14.98 min Scan# 1128
Delta R.T. -0.09 min
Lab File: BF093241.D
Acq: 28 Feb 2017 11:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	16.5	8.9	13.3





#89

Benzo(a)pyrene

Concen: 2.69 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.07 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

Instrument :

BNA_F

ClientSampleId :

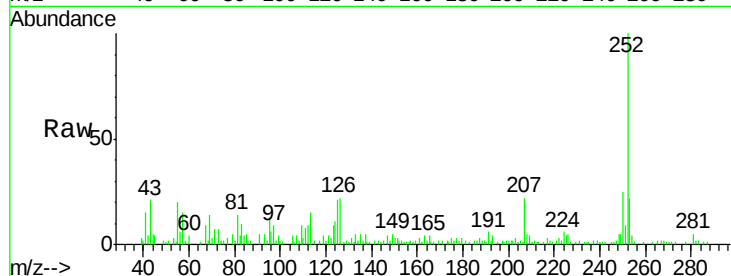
Tot Ion:252 Resp: 42502

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

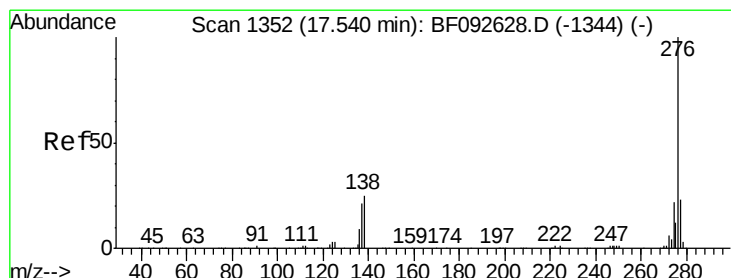
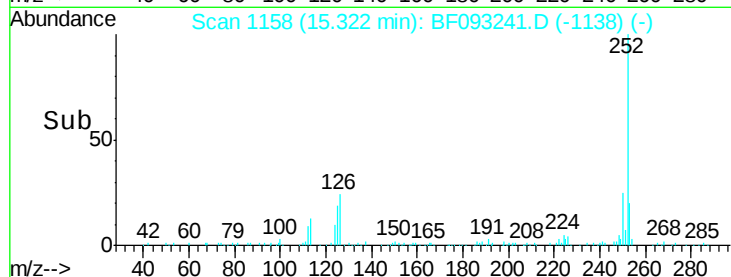
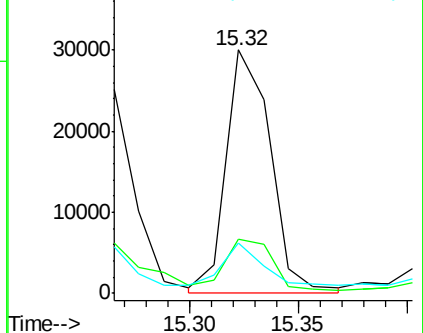
125 20.7 10.0 15.0#



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



#91

Benzo(g,h,i)perylene

Concen: 2.38 ng

RT: 17.19 min Scan# 1321

Delta R.T. -0.10 min

Lab File: BF093241.D

Acq: 28 Feb 2017 11:50

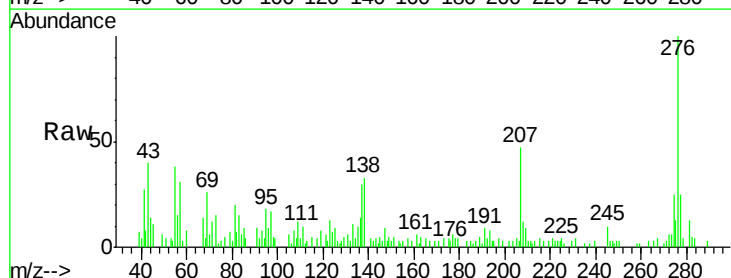
Tgt Ion:276 Resp: 30672

Ion Ratio Lower Upper

276 100

277 25.2 19.2 28.8

138 32.9 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

