

Data File : BF093174.D
Acq On : 25 Feb 2017 6:32
Operator : SJ/MA
Sample : I1973-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-5

Quant Time: Feb 26 23:37:02 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	6.83	152	143239	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	546876	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	209150	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	316965	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	300421	20.00	ng	-0.01
86) Perylene-d12	15.44	264	260736	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1315548	157.57	ng	-0.01
7) Phenol-d6	6.48	99	1491071	138.80	ng	-0.01
23) Nitrobenzene-d5	7.40	82	956894	97.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	218594	144.51	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1442025	124.91	ng	-0.01
78) Terphenyl-d14	12.95	244	829331	64.86	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	111303	8.86	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	122863	17.97	ng	# 82
25) Isophorone	7.40	82	892480	48.77	ng	# 65
49) Dimethylphthalate	9.60	163	389109	27.62	ng	99
56) 2,4-Dinitrotoluene	9.87	165	26670	6.58	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	313	2.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	16974	5.13	ng	# 1
74) Fluoranthene	12.58	202	43560	2.33	ng	91
87) Benzo(b)fluoranthene	15.03	252	45509	2.65	ng	# 97
88) Benzo(k)fluoranthene	15.03	252	45509	3.07	ng	# 95

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

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E2-B1-B2-BASE-5

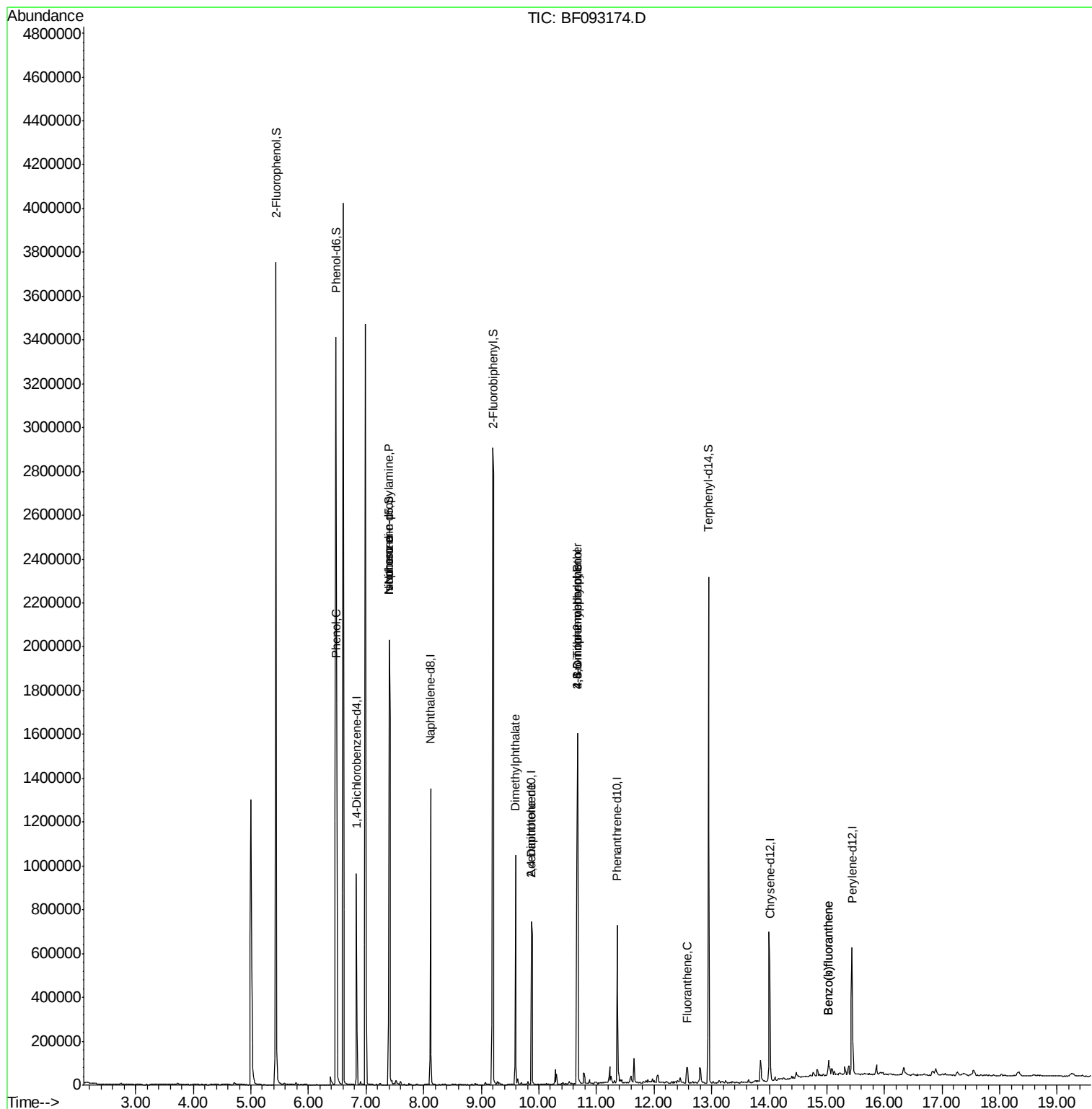
Quant Time: Feb 26 23:37:02 2017

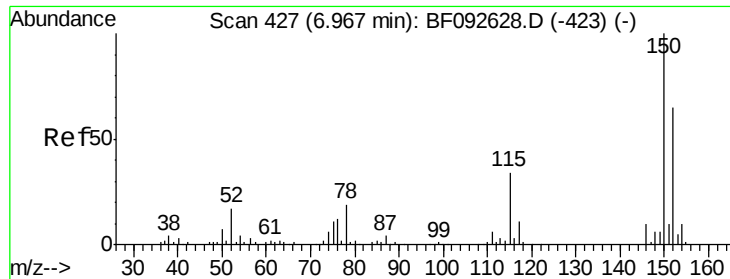
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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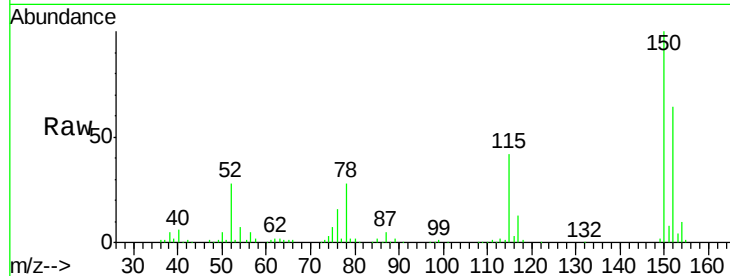




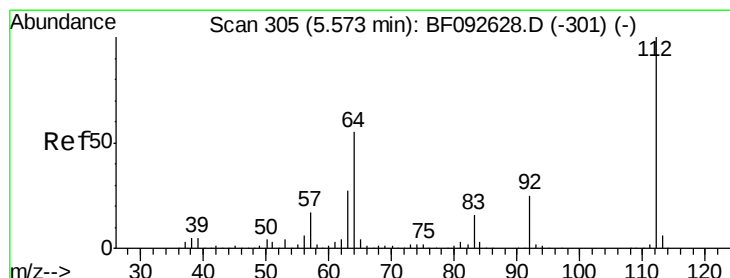
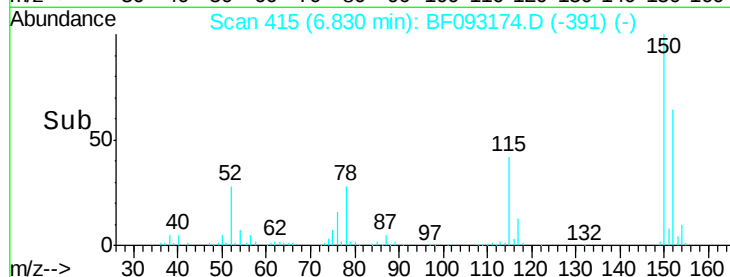
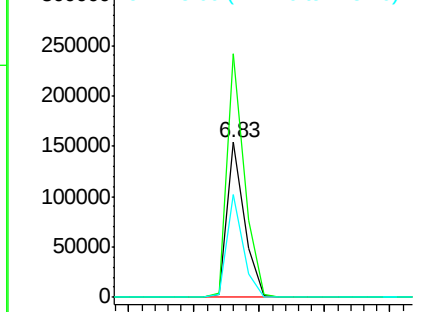
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 415
 Delta R.T. -0.02 min
 Lab File: BF093174.D
 Acq: 25 Feb 2017 6:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-5

Tgt Ion:152 Resp: 143239
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.9 187.3
 115 66.1 46.0 69.0

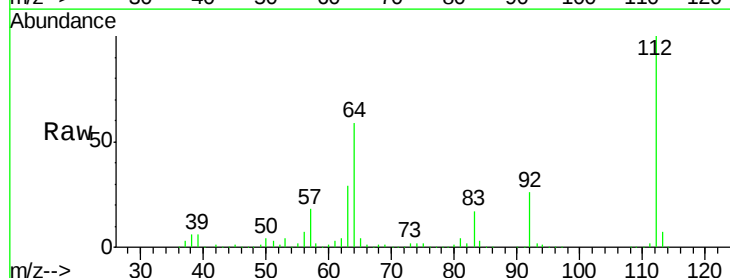


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

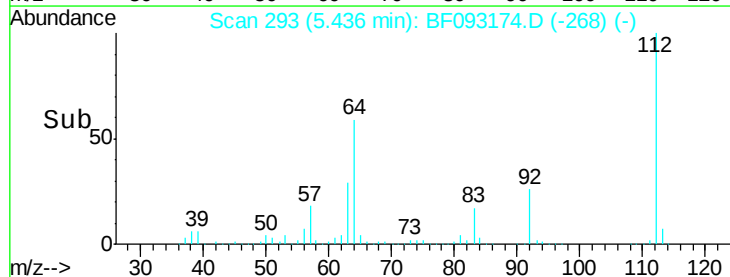
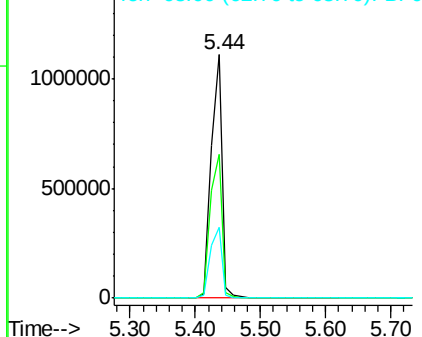


#5
 2-Fluorophenol
 Concen: 157.57 ng
 RT: 5.44 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: BF093174.D
 Acq: 25 Feb 2017 6:32

Tgt Ion:112 Resp: 1315548
 Ion Ratio Lower Upper
 112 100
 64 59.1 46.1 69.1
 63 29.3 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

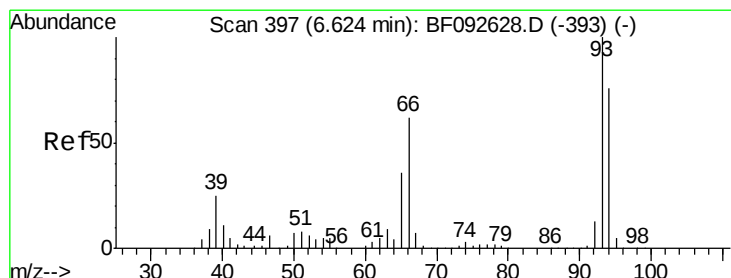
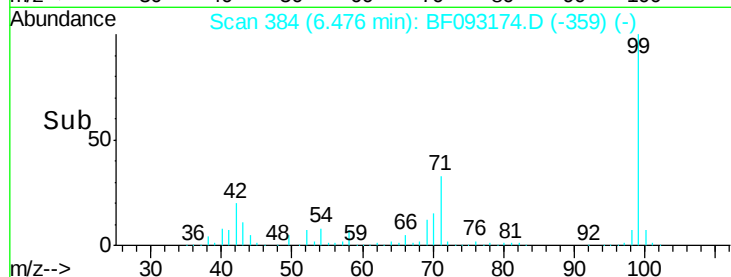
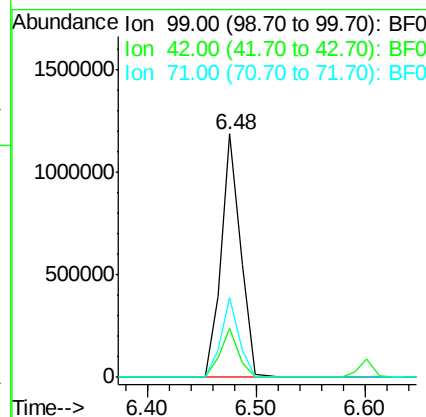
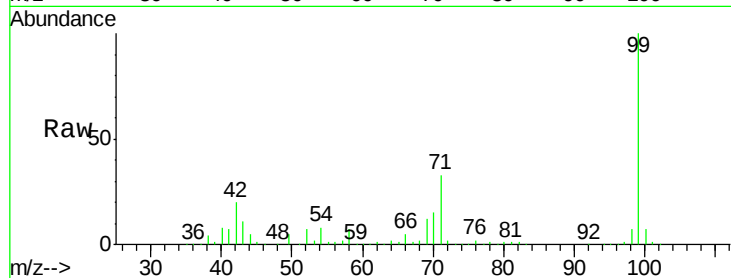




#7
Phenol-d6
Concen: 138.80 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.01 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

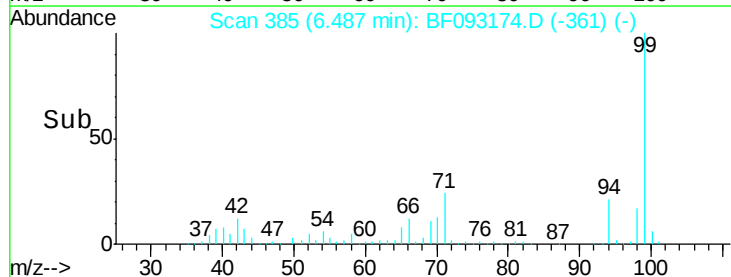
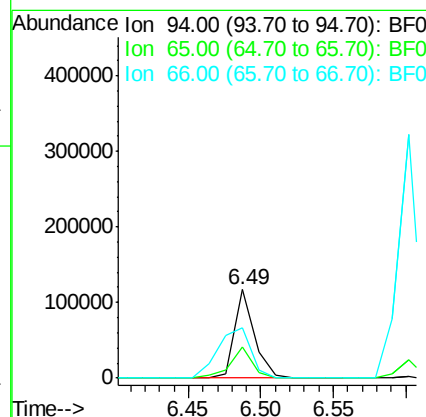
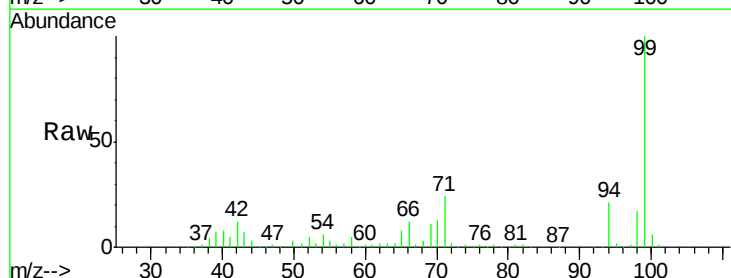
Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-5

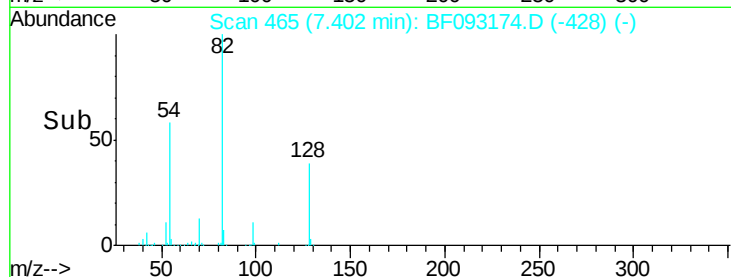
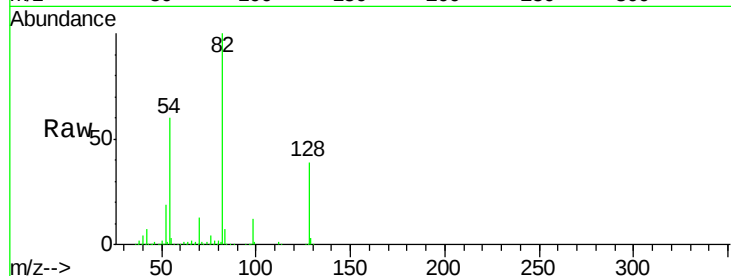
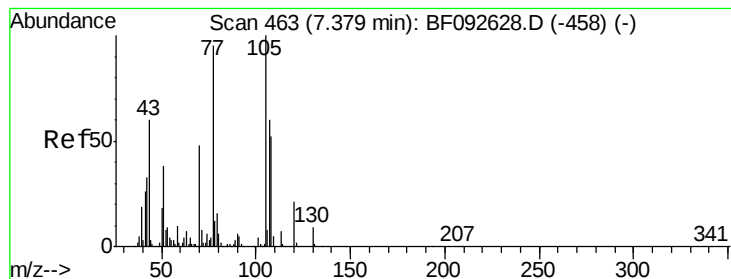
Tgt Ion: 99 Resp: 1491071
Ion Ratio Lower Upper
99 100
42 20.1 15.6 23.4
71 32.9 27.5 41.3



#10
Phenol
Concen: 8.86 ng
RT: 6.49 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

Tgt Ion: 94 Resp: 111303
Ion Ratio Lower Upper
94 100
65 35.6 21.4 61.4
66 56.5 44.0 84.0





#19

n-Nitroso-di-n-propylamine

Concen: 17.97 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-5

Tgt Ion: 70 Resp: 122863

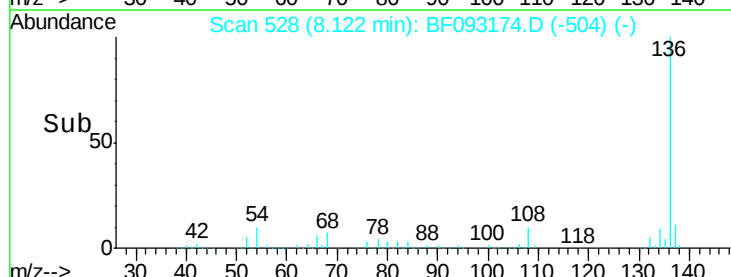
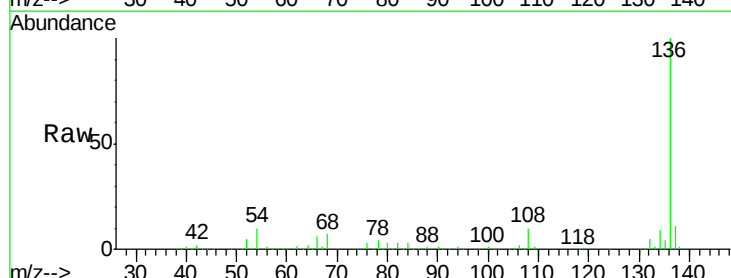
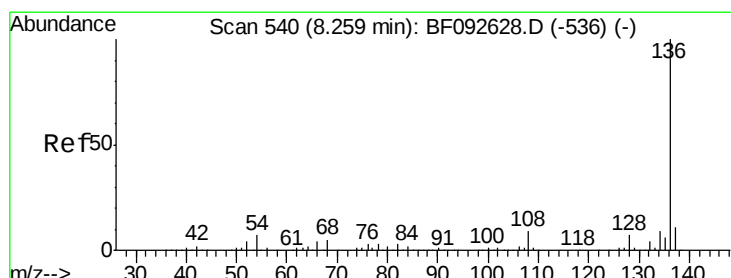
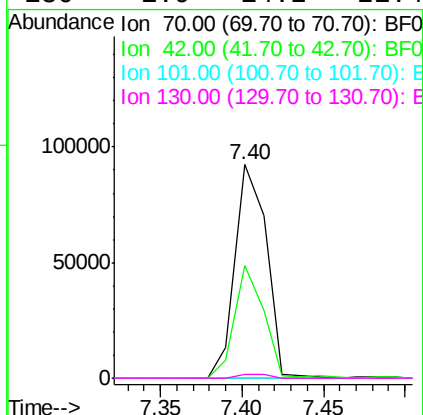
Ion Ratio Lower Upper

70 100

42 52.6 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

Tgt Ion: 136 Resp: 546876

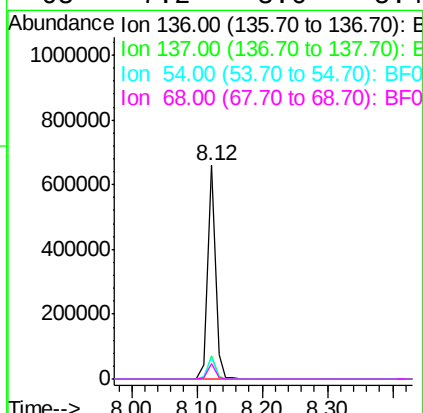
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 10.2 4.5 6.7#

68 7.2 3.6 5.4#

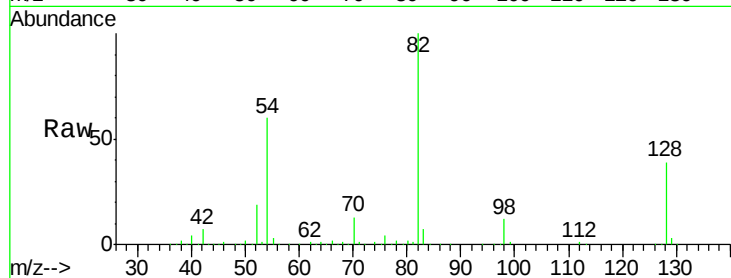




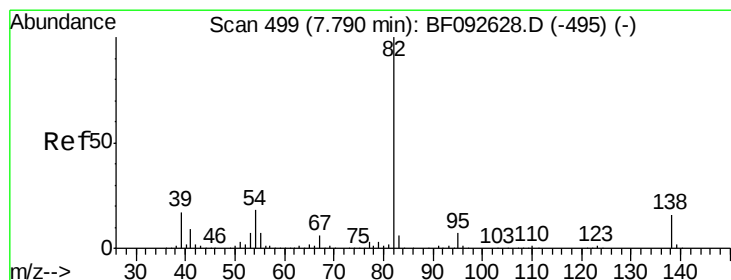
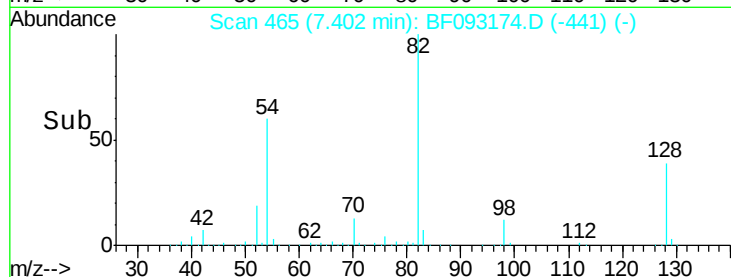
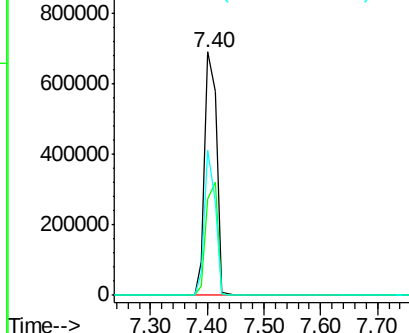
#23
 Nitrobenzene-d5
 Concen: 97.44 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093174.D
 Acq: 25 Feb 2017 6:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.4	34.6	52.0
54	59.6	39.5	59.3#

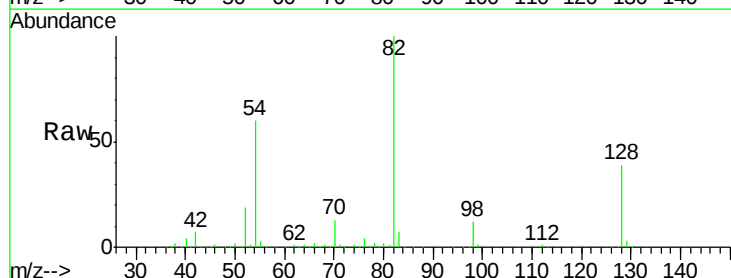


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

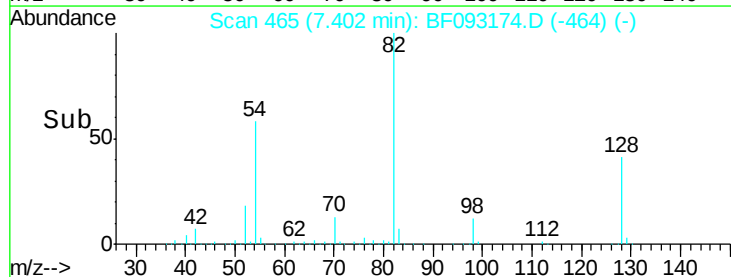
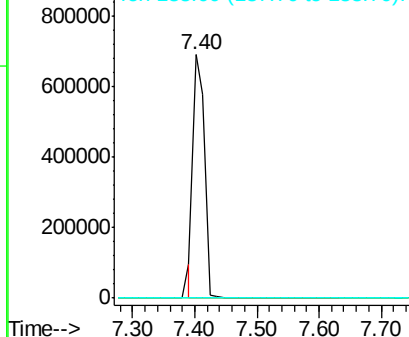


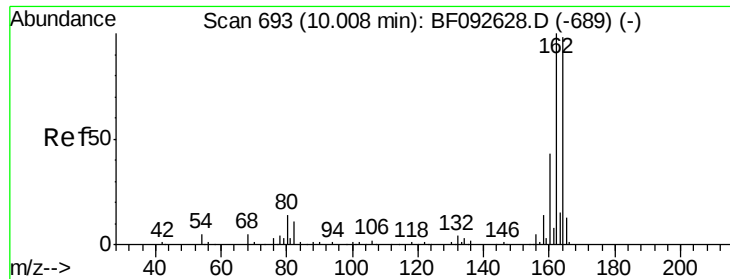
#25
 Isophorone
 Concen: 48.77 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.29 min
 Lab File: BF093174.D
 Acq: 25 Feb 2017 6:32

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

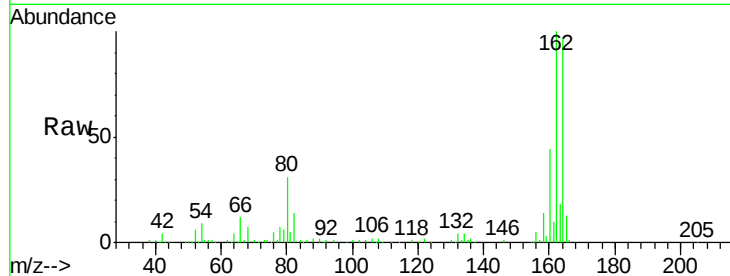




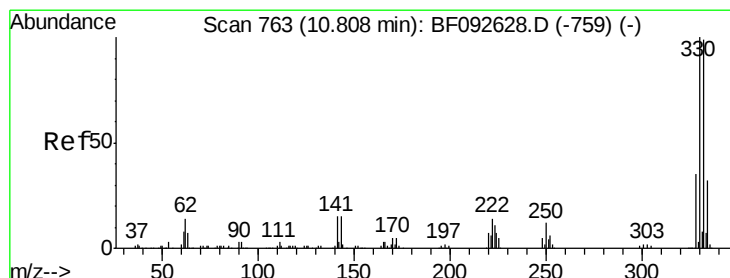
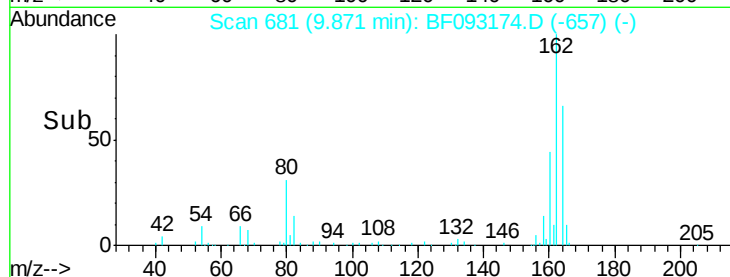
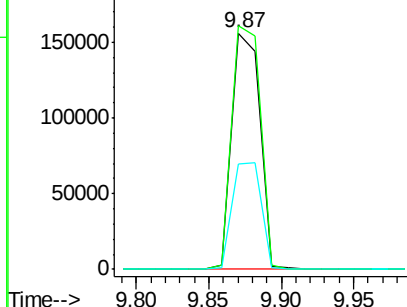
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-5

Tgt Ion:164 Resp: 209150
Ion Ratio Lower Upper
164 100
162 103.1 80.2 120.2
160 44.9 36.9 55.3

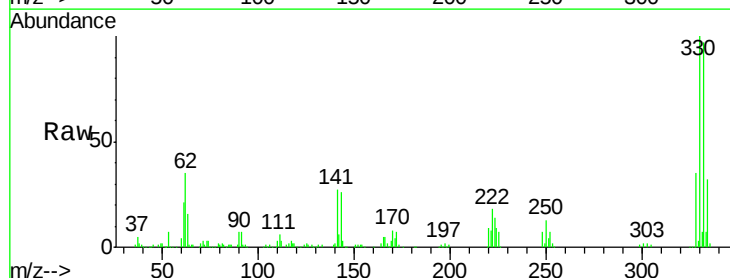


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

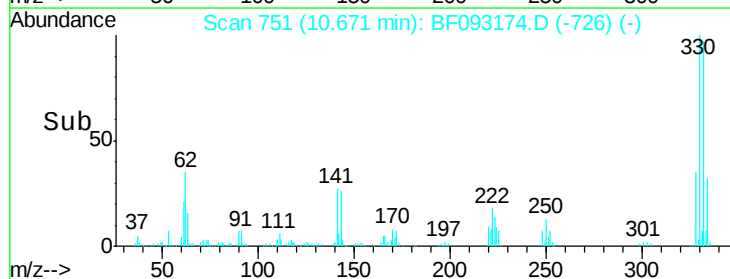
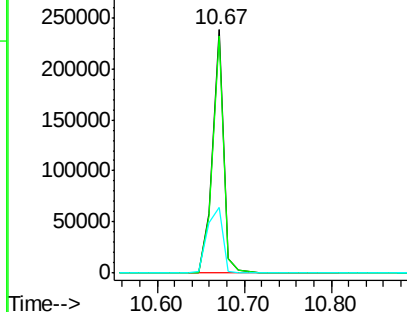


#41
2,4,6-Tribromophenol
Concen: 144.51 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

Tgt Ion:330 Resp: 218594
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.2
141 37.2 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

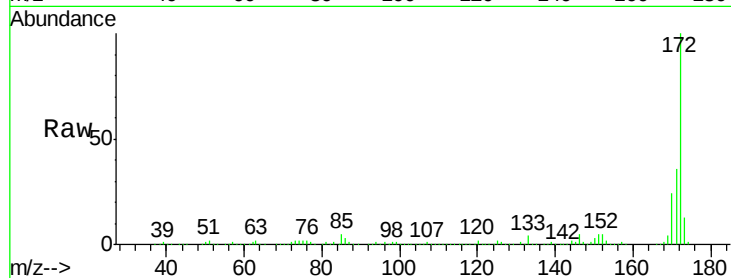




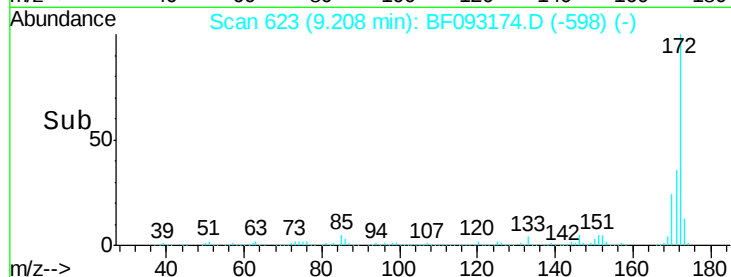
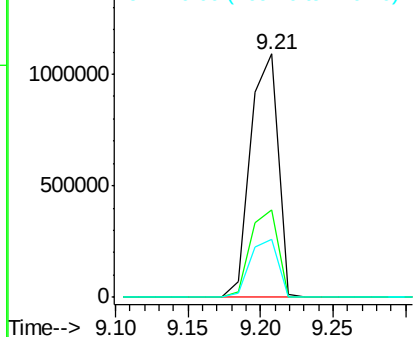
#44
2-Fluorobiphenyl
Concen: 124.91 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-5

Tgt Ion:172 Resp: 1442025
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 24.0 20.2 30.4

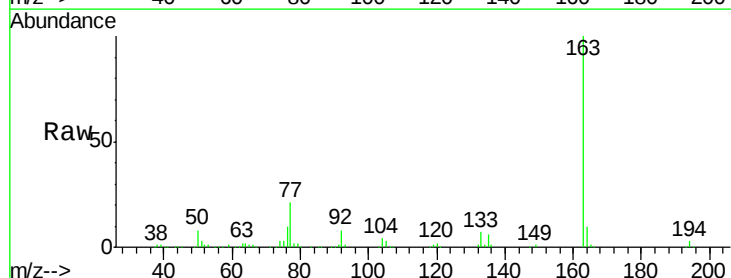


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

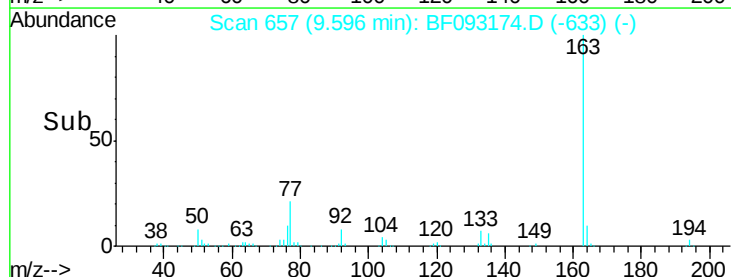
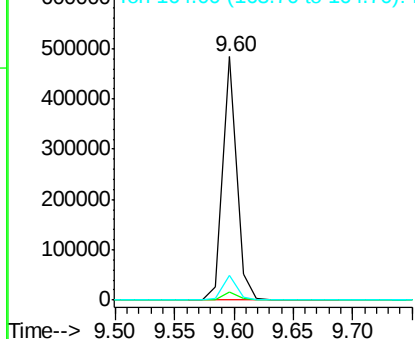


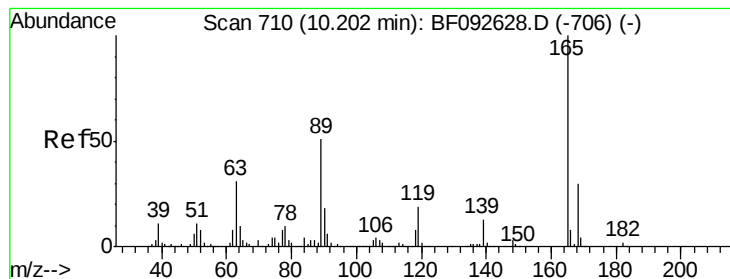
#49
Dimethylphthalate
Concen: 27.62 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

Tgt Ion:163 Resp: 389109
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.2 8.0 12.0



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





#56

2,4-Dinitrotoluene

Concen: 6.58 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-5

Tgt Ion:165 Resp: 26670

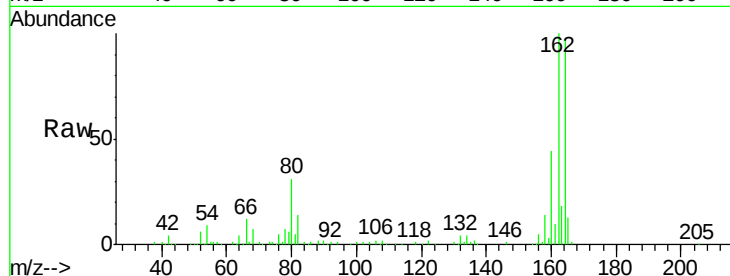
Ion Ratio Lower Upper

165 100

63 2.3 40.2 60.4#

89 0.0 62.5 93.7#

182 0.0 1.8 2.8#

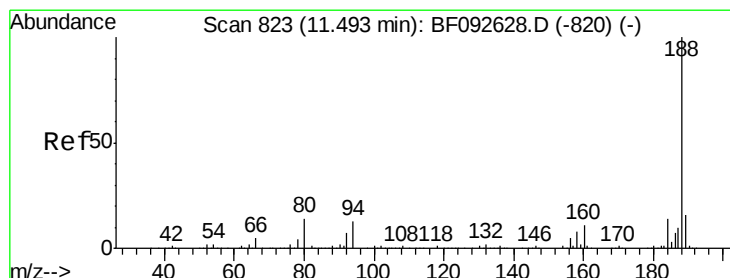
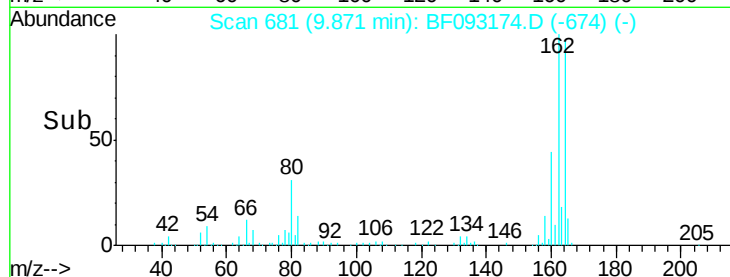
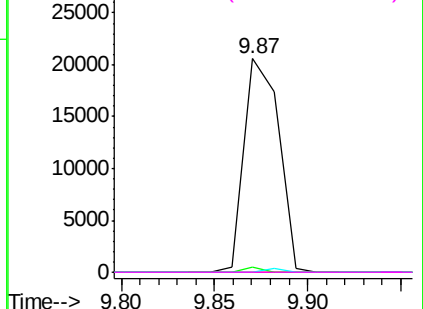


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

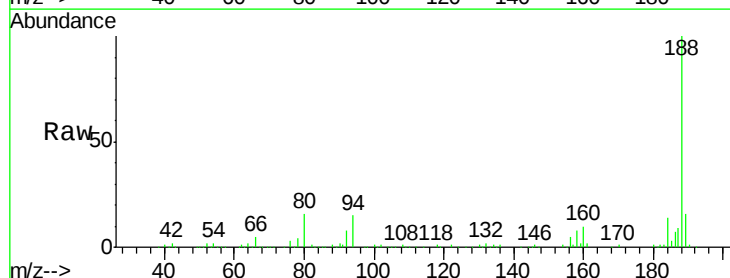
Tgt Ion:188 Resp: 316965

Ion Ratio Lower Upper

188 100

94 14.9 10.0 15.0

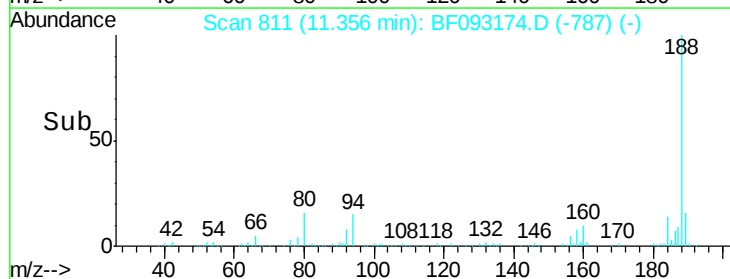
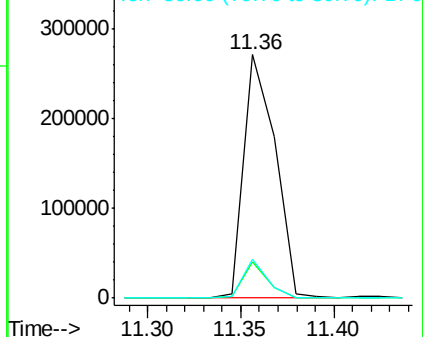
80 16.2 11.2 16.8

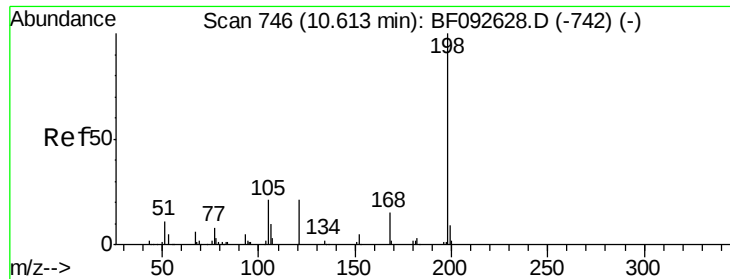


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.82 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

Instrument :

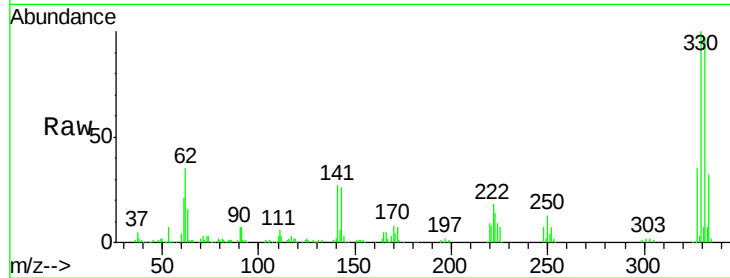
BNA_F

ClientSampleId :

E2-B1-B2-BASE-5

Tgt Ion:198 Resp: 313

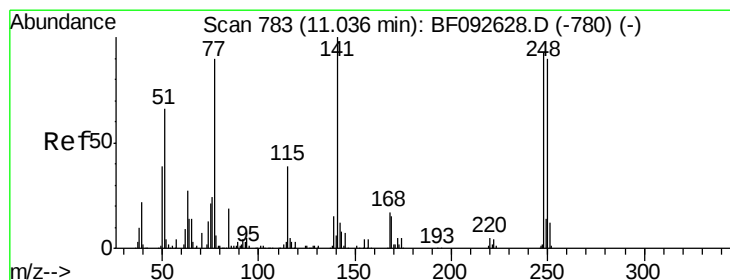
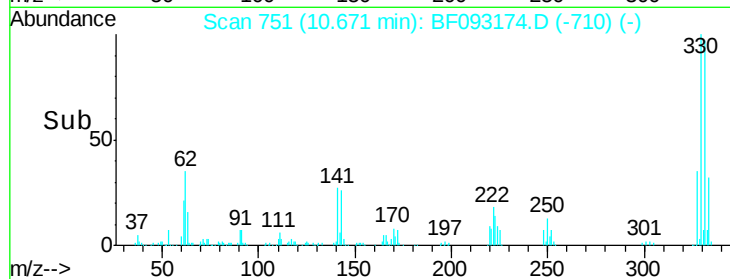
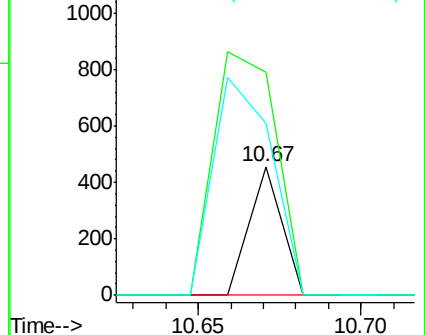
Ion	Ratio	Lower	Upper
198	100		
51	173.0	6.7	46.7#
105	133.6	16.6	56.6#



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: 5.13 ng

RT: 10.67 min Scan# 751

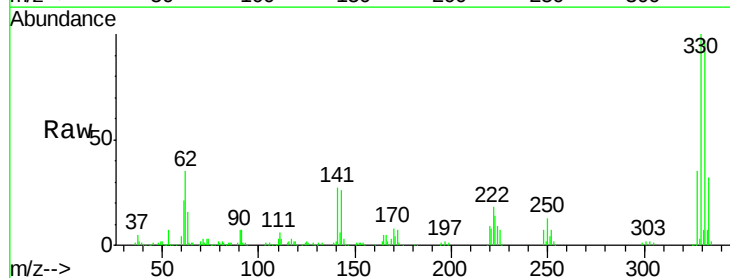
Delta R.T. -0.25 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

Tgt Ion:248 Resp: 16974

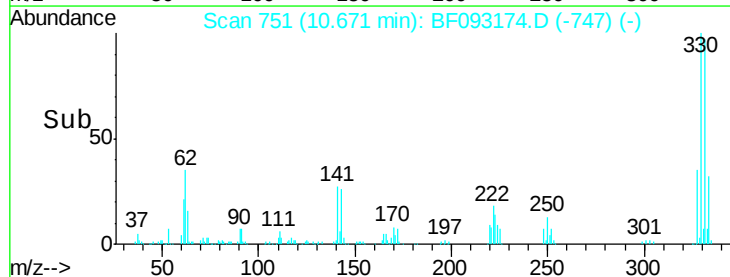
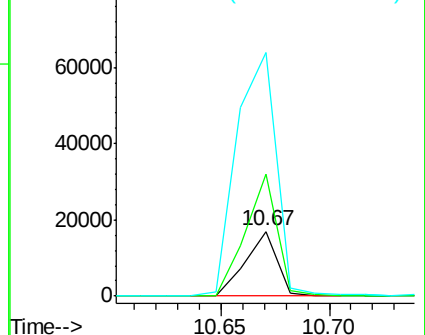
Ion	Ratio	Lower	Upper
248	100		
250	189.4	76.9	115.3#
141	376.6	68.2	102.4#

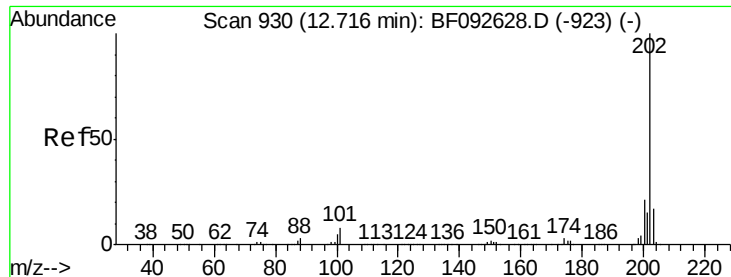


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.33 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

Instrument :

BNA_F

ClientSampleId :

E2-B1-B2-BASE-5

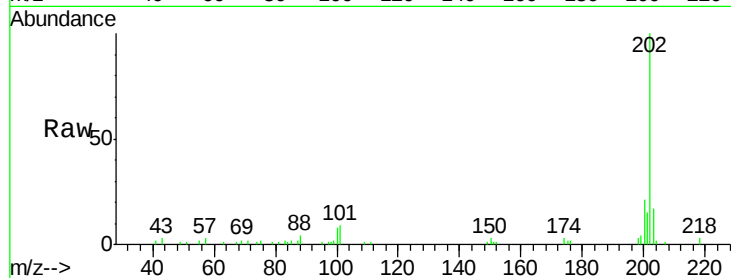
Tgt Ion:202 Resp: 43560

Ion Ratio Lower Upper

202 100

101 8.7 0.0 34.6

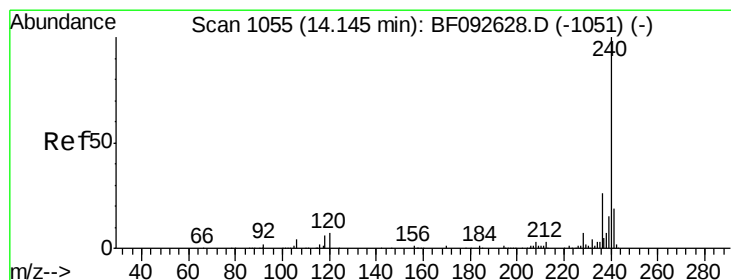
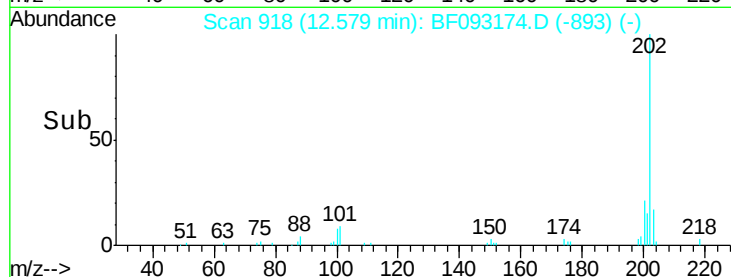
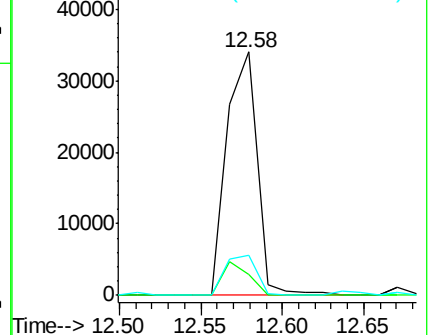
203 16.6 0.0 38.7



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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093174.D

Acq: 25 Feb 2017 6:32

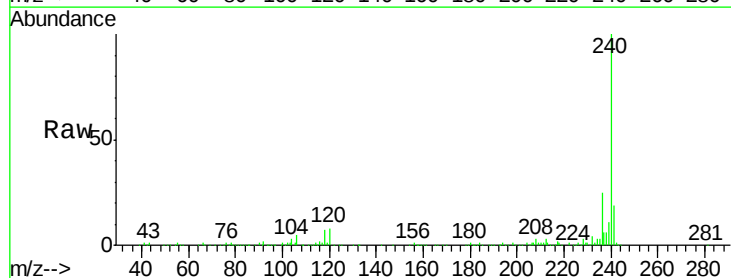
Tgt Ion:240 Resp: 300421

Ion Ratio Lower Upper

240 100

120 7.8 12.9 19.3#

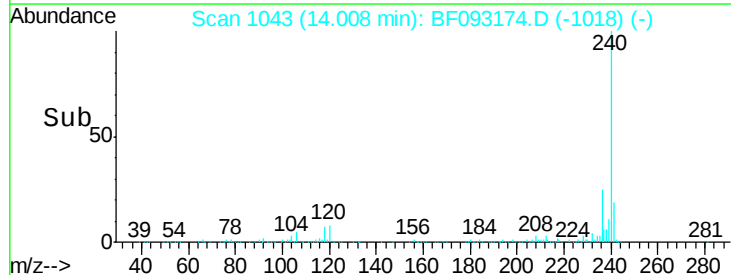
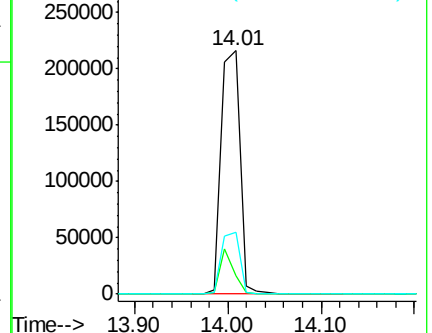
236 25.4 20.9 31.3

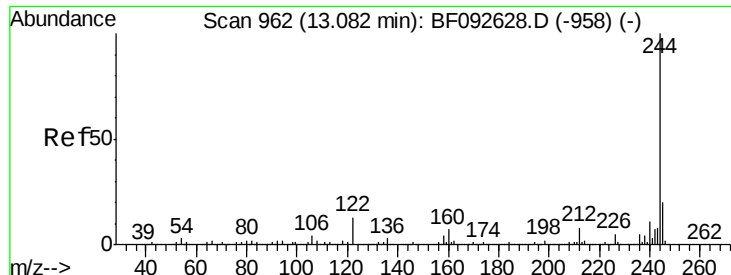


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

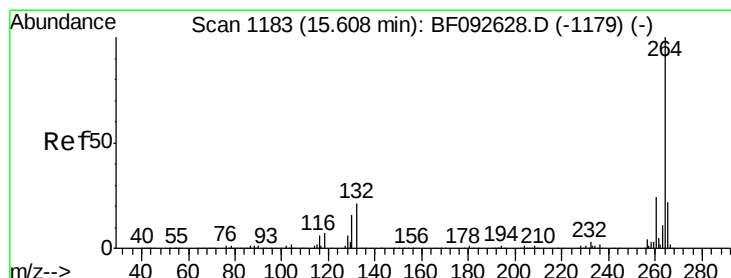
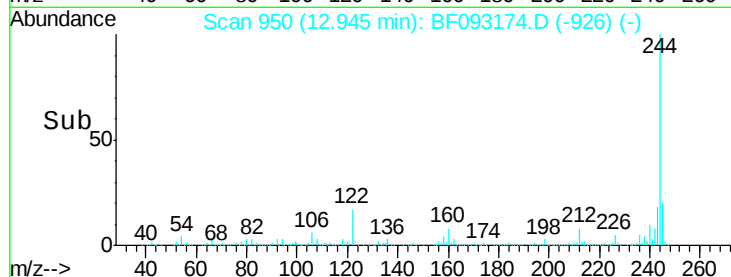
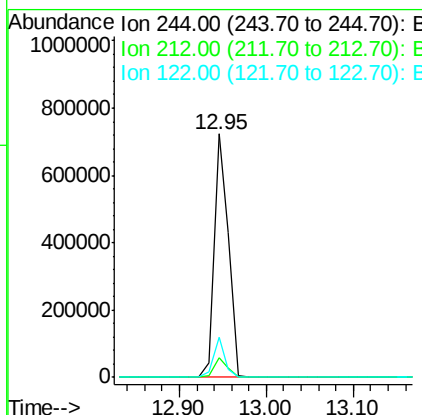
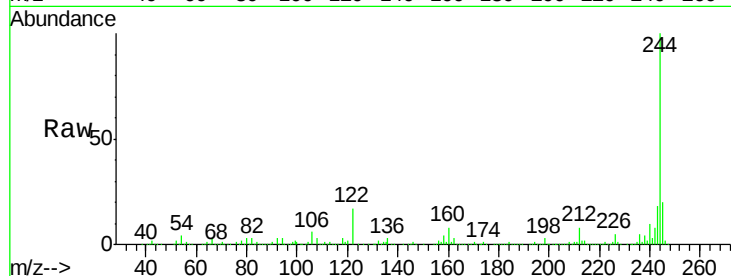




#78
 Terphenyl-d14
 Concen: 64.86 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093174.D
 Acq: 25 Feb 2017 6:32

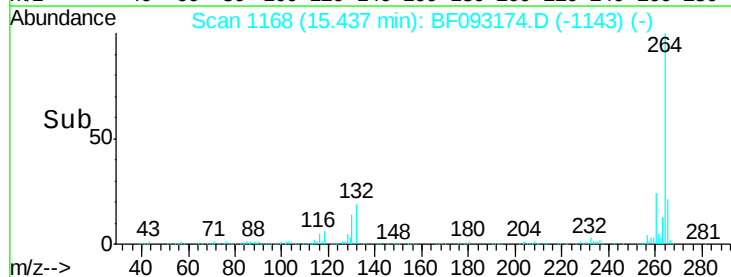
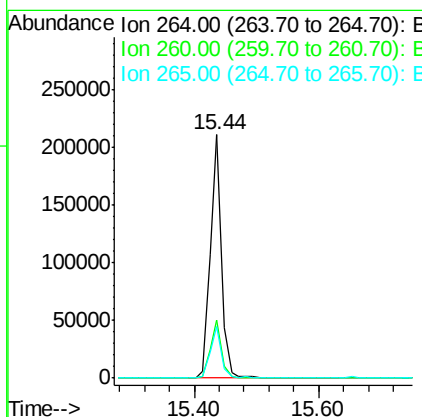
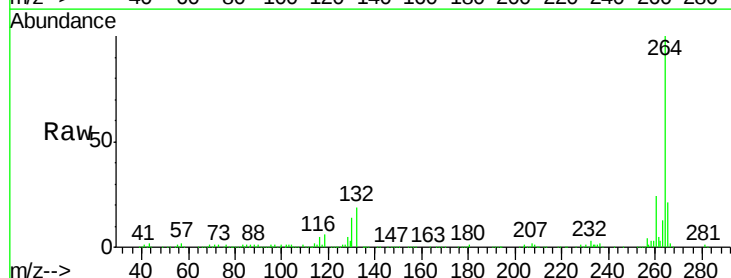
Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-B2-BASE-5

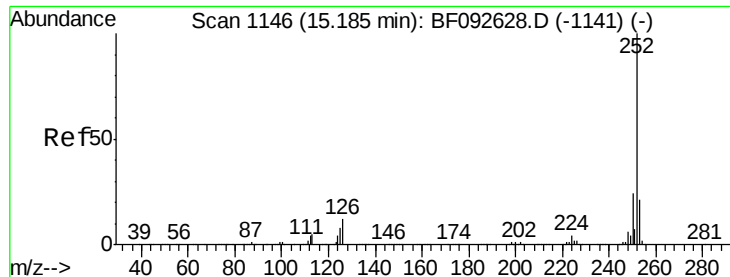
Tgt Ion: 244 Resp: 829331
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 16.6 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: BF093174.D
 Acq: 25 Feb 2017 6:32

Tgt Ion: 264 Resp: 260736
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.1 17.4 26.0

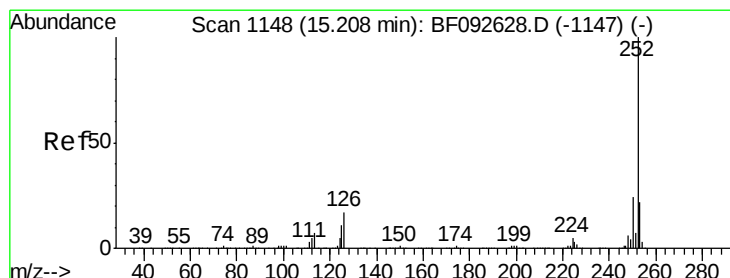
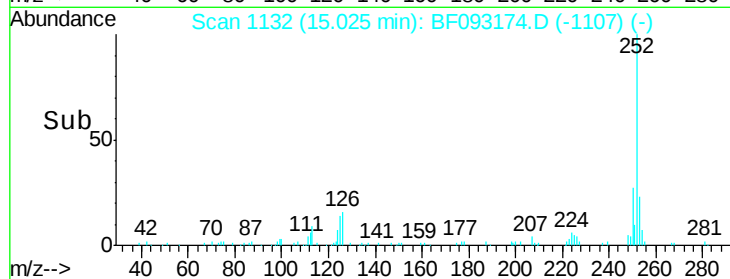
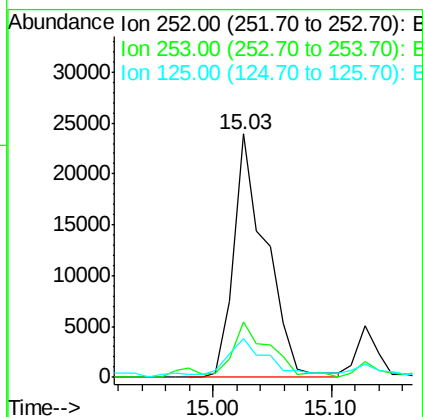
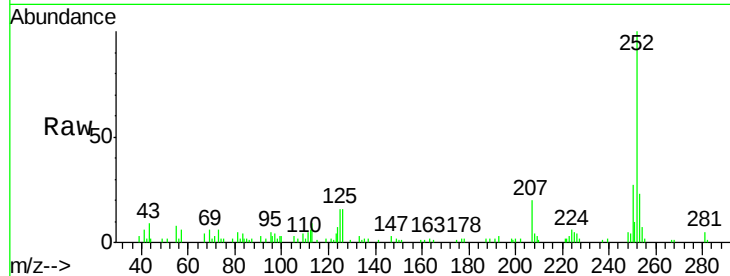




#87
Benzo(b)fluoranthene
Concen: 2.65 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

Instrument :
BNA_F
ClientSampleId :
E2-B1-B2-BASE-5

Tgt Ion:252 Resp: 45509
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 16.0 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 3.07 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF093174.D
Acq: 25 Feb 2017 6:32

Tgt Ion:252 Resp: 45509
Ion Ratio Lower Upper
252 100
253 22.8 18.5 27.7
125 16.0 8.9 13.3#

