

Data File : BF093187.D
Acq On : 25 Feb 2017 12:36
Operator : SJ/MA
Sample : I1972-14
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-3

Quant Time: Feb 26 23:41:44 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	153461	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	572504	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	268688	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	409544	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	311207	20.00	ng	-0.01
86) Perylene-d12	15.45	264	251100	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1061412	118.66	ng	-0.01
7) Phenol-d6	6.48	99	1225313	106.46	ng	-0.01
23) Nitrobenzene-d5	7.40	82	752852	73.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	190403	97.98	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1354459	91.33	ng	-0.01
78) Terphenyl-d14	12.96	244	903617	68.22	ng	-0.01

Target Compounds					Qvalue	
10) Phenol	6.49	94	65106	4.84	ng	93
19) n-Nitroso-di-n-propylamine	7.40	70	101481	13.85	ng	# 84
25) Isophorone	7.40	82	675480	35.26	ng	# 65
31) Naphthalene	8.14	128	262735	9.05	ng	99
32) Benzoic acid	7.93	122	4222	7.89	ng	# 55
33) 4-Chloroaniline	8.14	127	33993	2.99	ng	# 32
37) 2-Methylnaphthalene	8.84	142	168105	9.02	ng	96
48) Acenaphthylene	9.74	152	216493	8.23	ng	97
49) Dimethylphthalate	9.60	163	118188	6.53	ng	# 98
53) 2,4-Dinitrophenol	10.17	184	1414	5.40	ng	# 56
54) Dibenzofuran	10.09	168	69722	3.32	ng	# 88
64) 4,6-Dinitro-2-methylphenol	10.42	198	213	2.75	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	14105	3.30	ng	# 1
70) Phenanthrene	11.39	178	434645	18.52	ng	97
71) Anthracene	11.44	178	177950	7.55	ng	98
72) Carbazole	11.60	167	55168	2.45	ng	99
74) Fluoranthene	12.58	202	851050	35.16	ng	97
77) Pyrene	12.81	202	820487	35.23	ng	99
80) Benzo(a)anthracene	14.00	228	595883	31.31	ng	94
82) Chrysene	14.00	228	595883	33.44	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	38124	2.95	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.85	276	200719	14.54	ng	98
87) Benzo(b)fluoranthene	15.04	252	852393	51.57	ng	99
88) Benzo(k)fluoranthene	15.04	252	852393	59.73	ng	# 97
89) Benzo(a)pyrene	15.39	252	350837	24.54	ng	98
91) Benzo(g,h,i)perylene	17.28	276	184146	15.78	ng	# 89

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

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E2-B1-SW-3

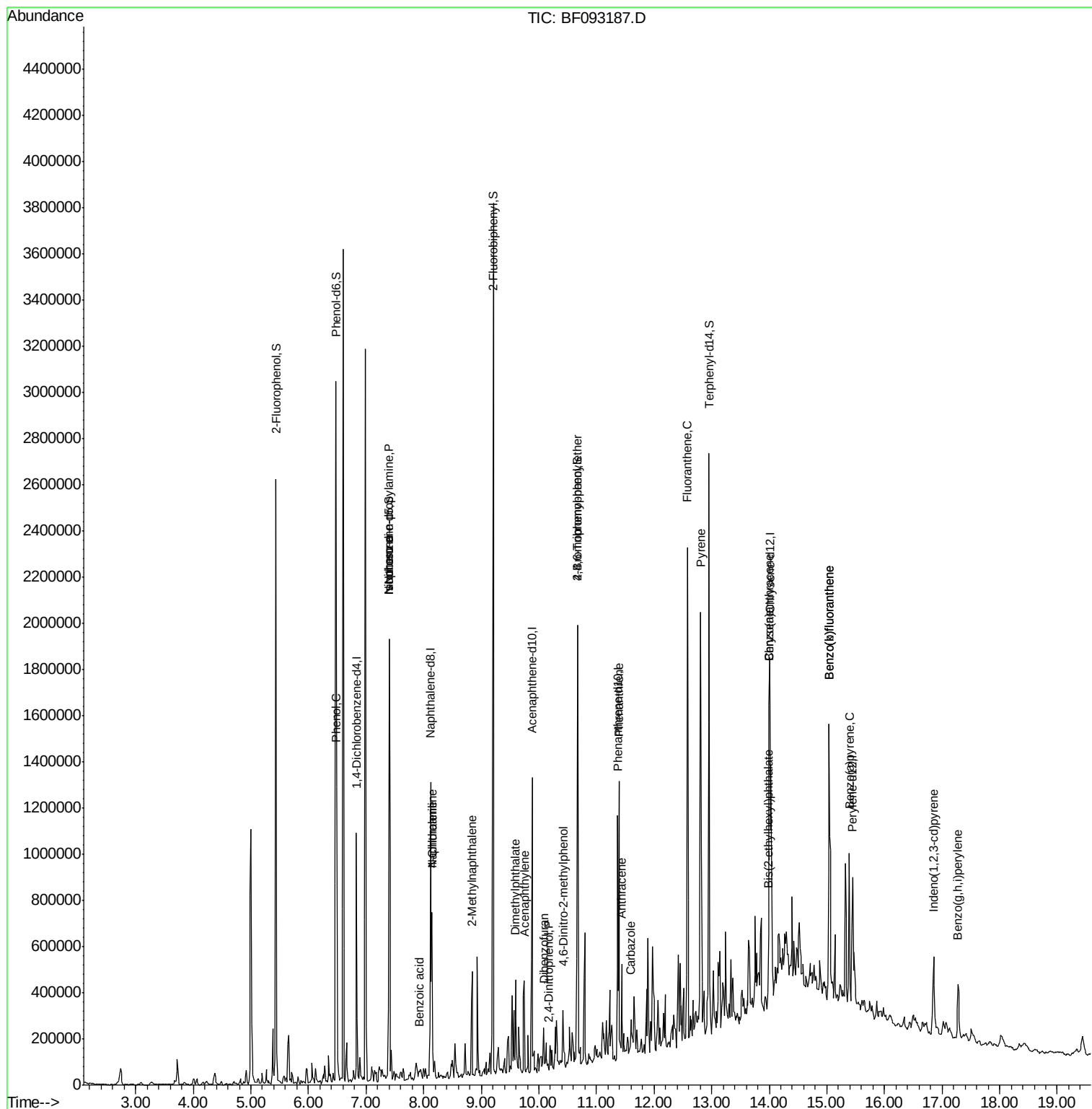
Quant Time: Feb 26 23:41:44 2017

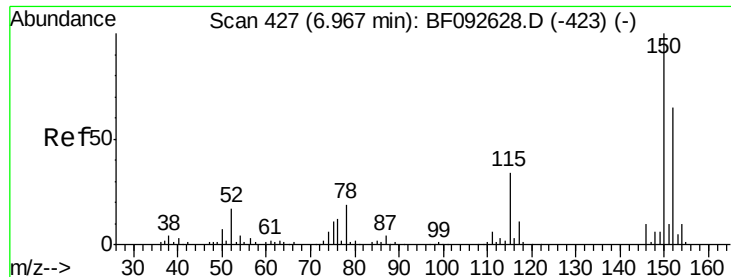
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

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Acq: 25 Feb 2017 12:36

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-3

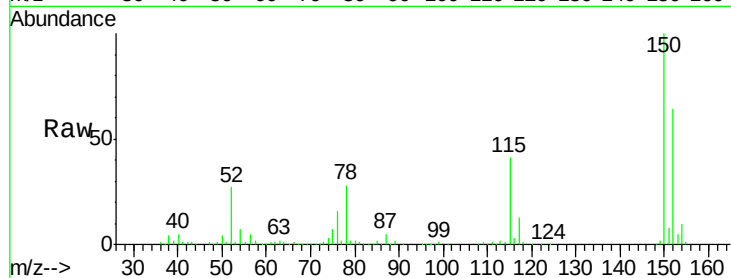
Tgt Ion:152 Resp: 153461

Ion Ratio Lower Upper

152 100

150 157.5 124.9 187.3

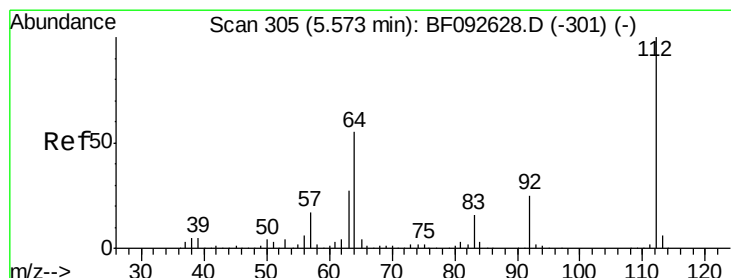
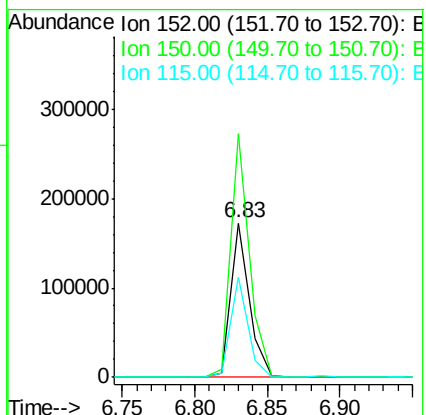
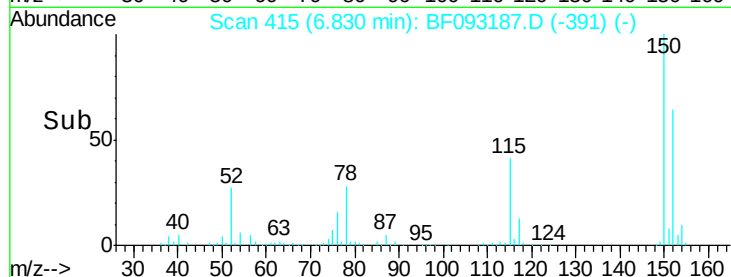
115 64.6 46.0 69.0



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: 118.66 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

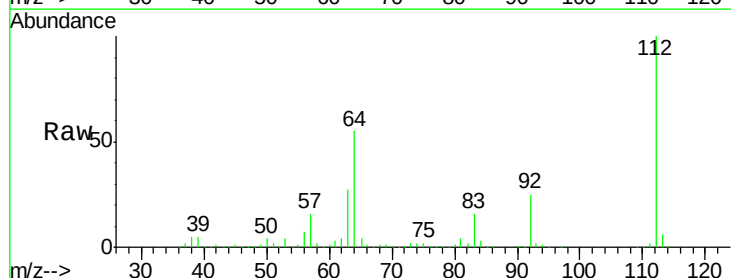
Tgt Ion:112 Resp: 1061412

Ion Ratio Lower Upper

112 100

64 55.4 46.1 69.1

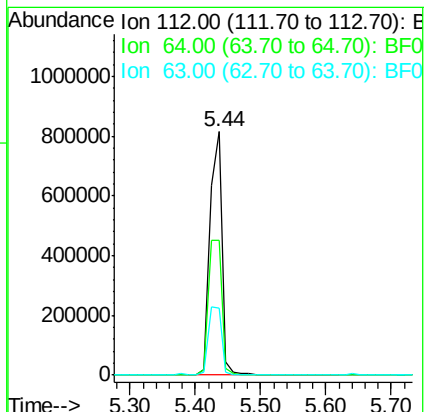
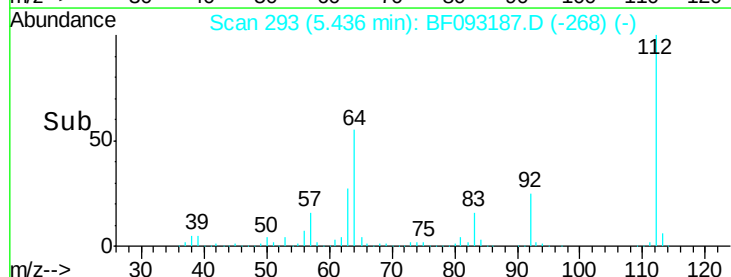
63 27.4 23.8 35.6

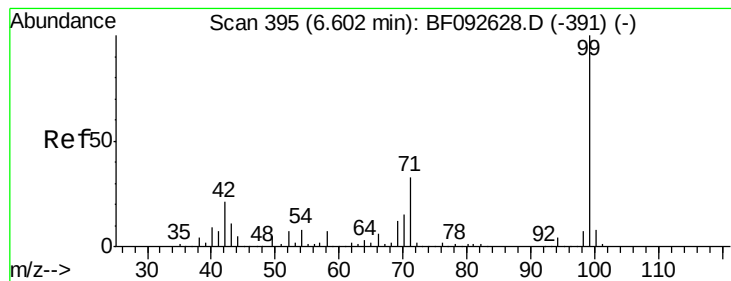


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.46 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

Instrument :

BNA_F

ClientSampled :

E2-B1-SW-3

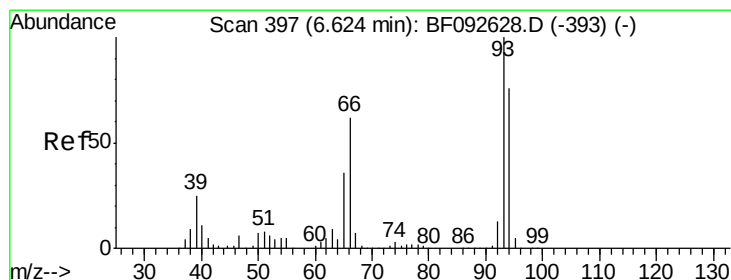
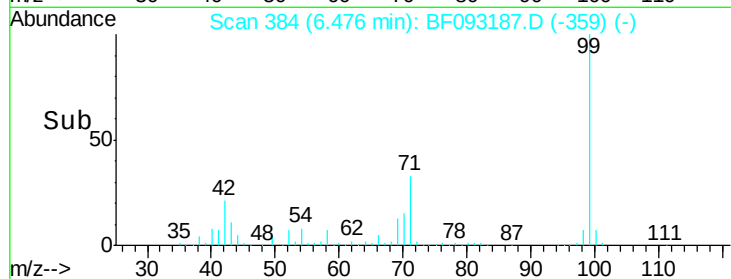
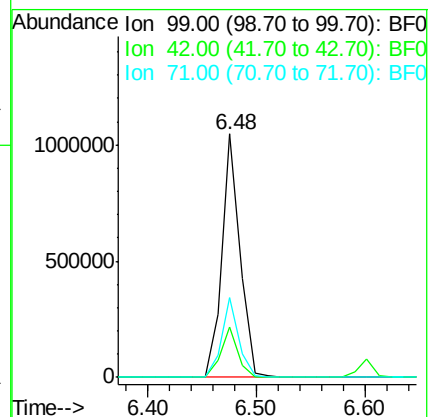
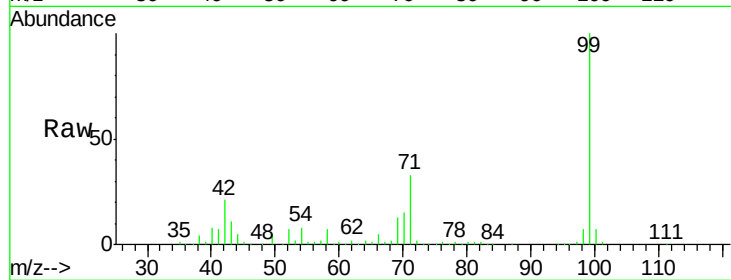
Tgt Ion: 99 Resp: 1225313

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

71 32.9 27.5 41.3



#10

Phenol

Concen: 4.84 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

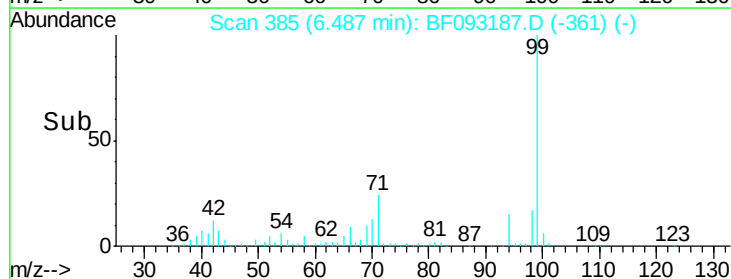
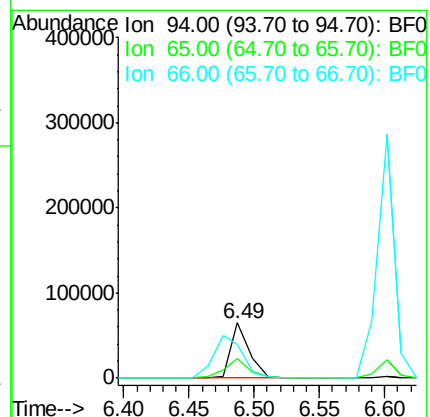
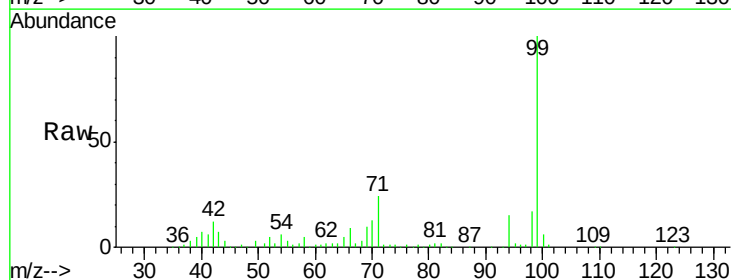
Tgt Ion: 94 Resp: 65106

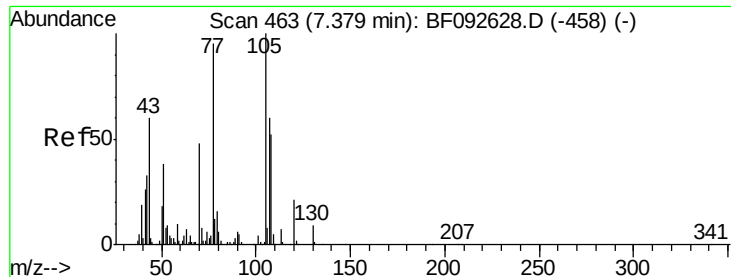
Ion Ratio Lower Upper

94 100

65 34.7 21.4 61.4

66 60.5 44.0 84.0

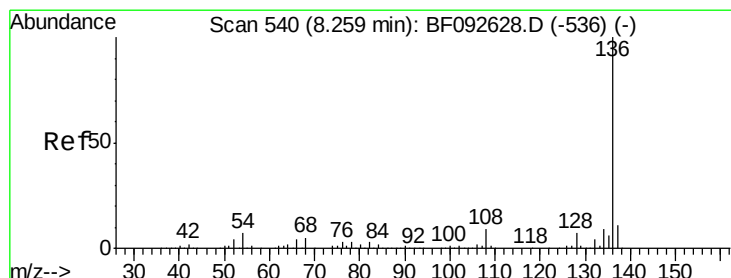
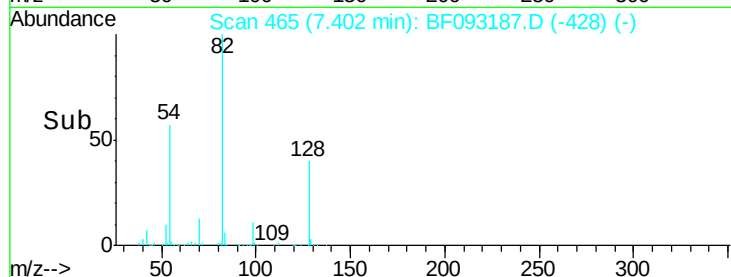
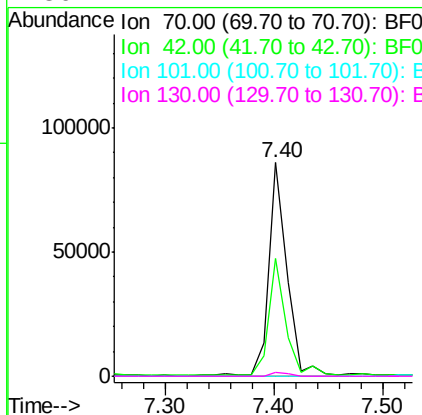
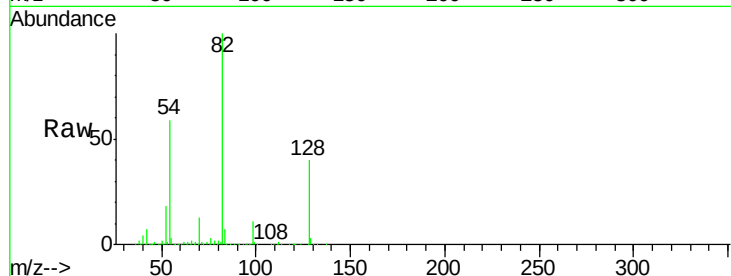




#19
n-Nitroso-di-n-propylamine
Concen: 13.85 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093187.D
Acq: 25 Feb 2017 12:36

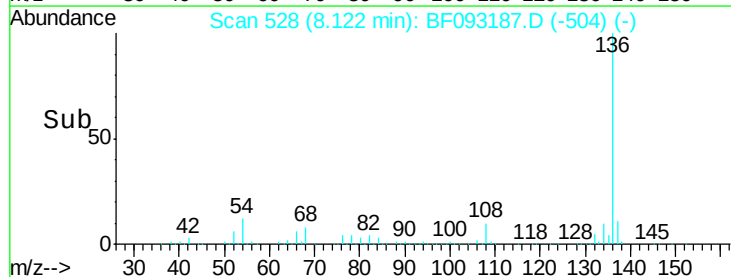
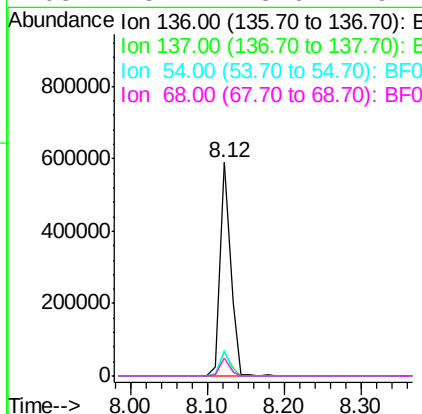
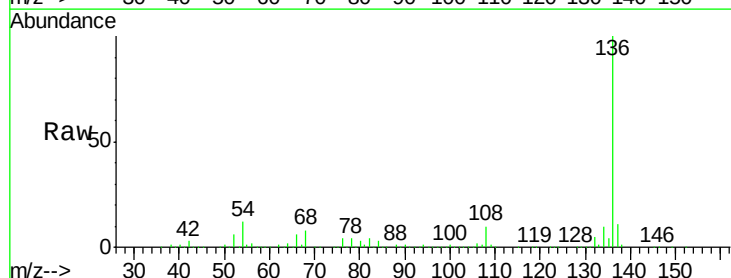
Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-3

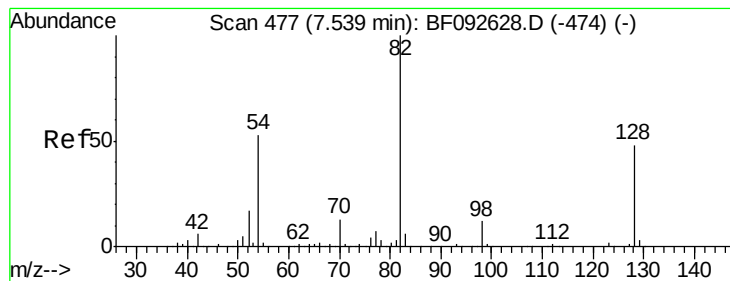
Tgt Ion: 70 Resp: 101481
Ion Ratio Lower Upper
70 100
42 55.0 49.4 74.0
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093187.D
Acq: 25 Feb 2017 12:36

Tgt Ion: 136 Resp: 572504
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 12.1 4.5 6.7#
68 8.4 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 73.23 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-3

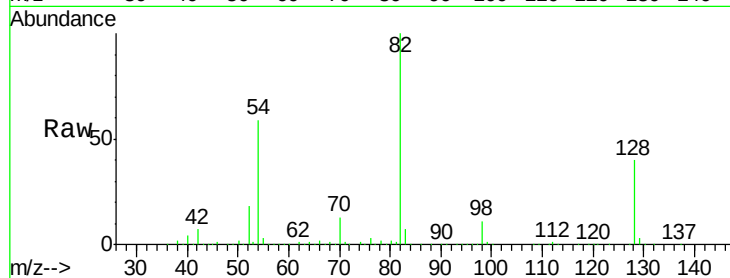
Tgt Ion: 82 Resp: 752852

Ion Ratio Lower Upper

82 100

128 40.2 34.6 52.0

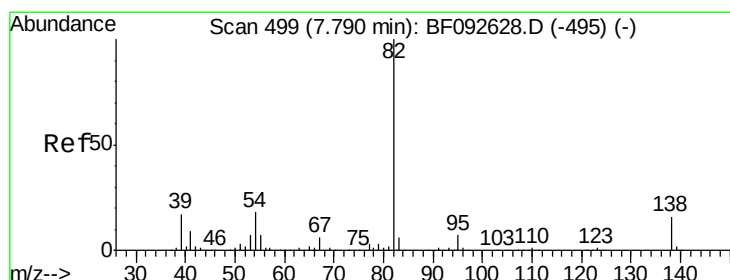
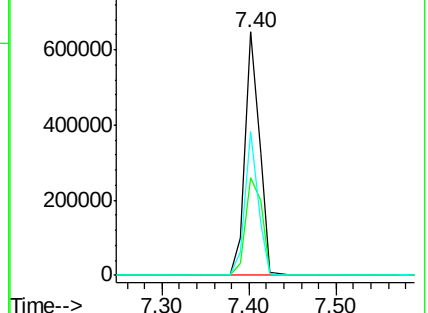
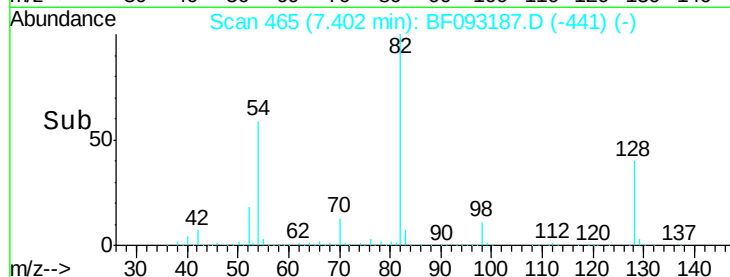
54 59.2 39.5 59.3



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: 35.26 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

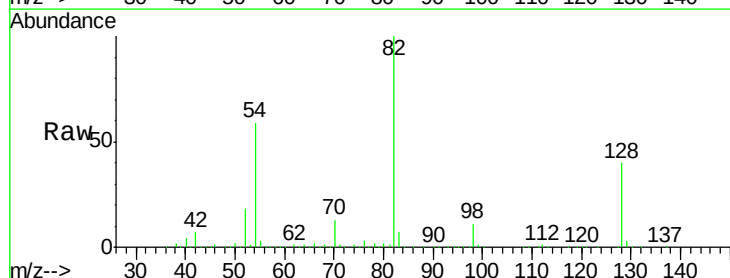
Tgt Ion: 82 Resp: 675480

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

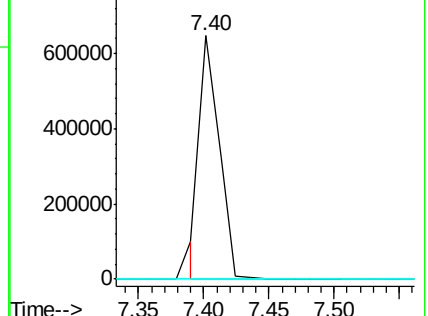
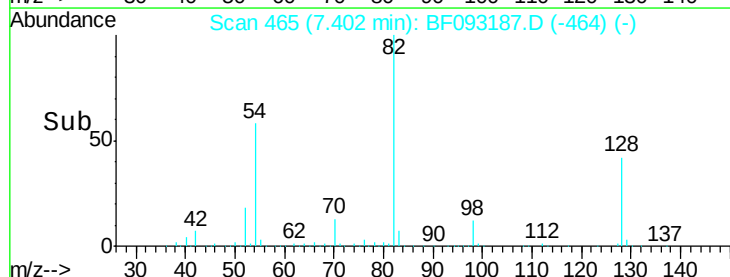
138 0.0 14.6 22.0#

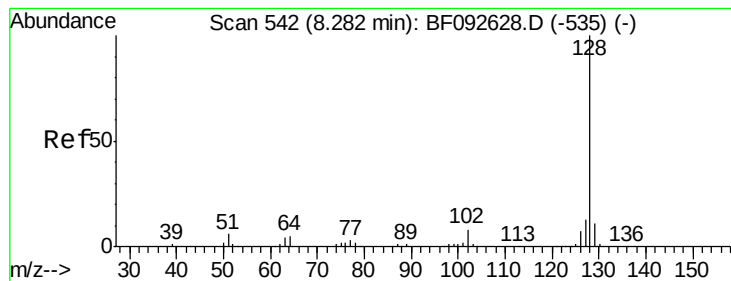


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 9.05 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-3

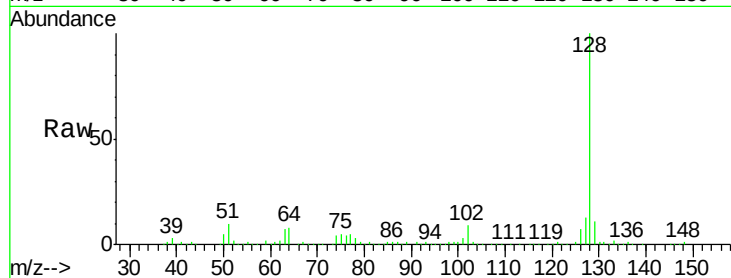
Tgt Ion:128 Resp: 262735

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

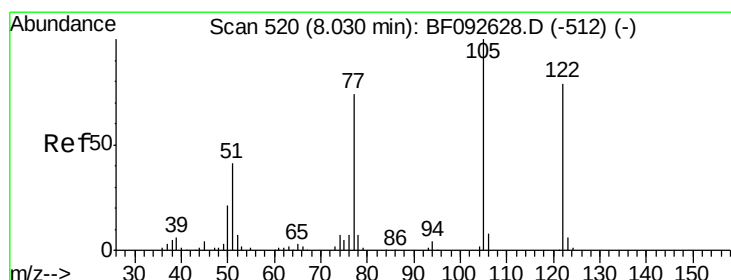
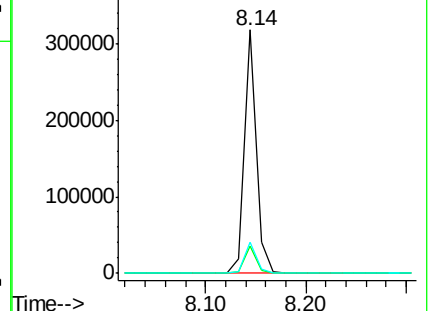
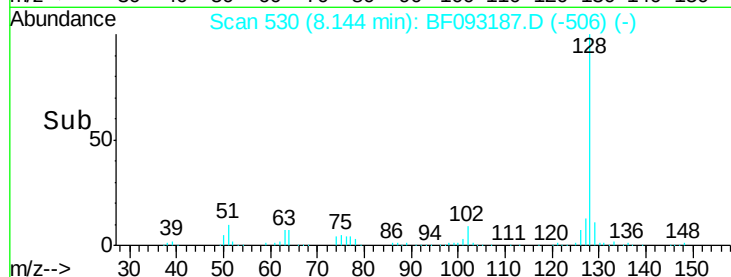
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.89 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

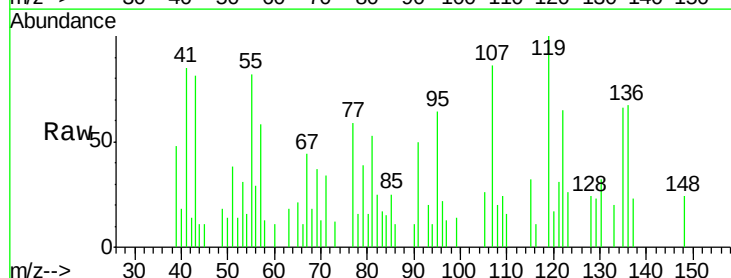
Tgt Ion:122 Resp: 4222

Ion Ratio Lower Upper

122 100

105 39.5 107.2 147.2#

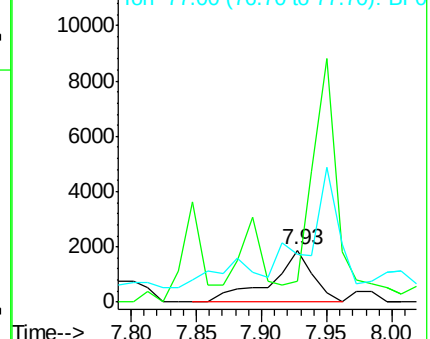
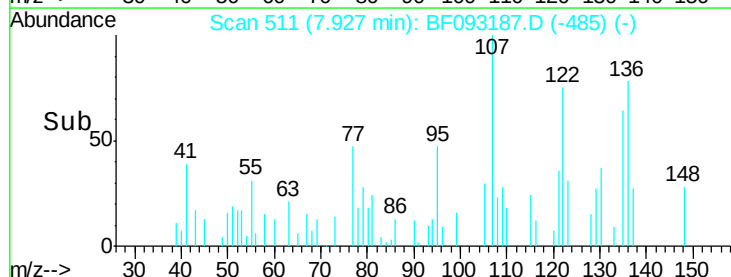
77 91.4 74.5 114.5

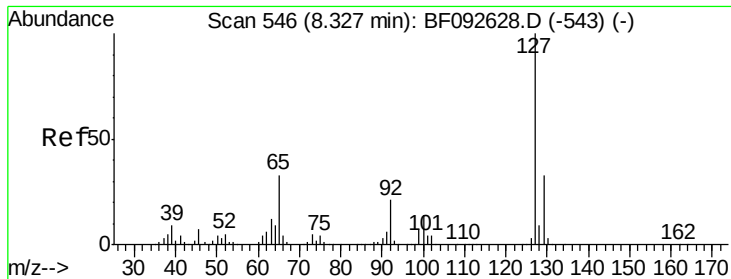


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

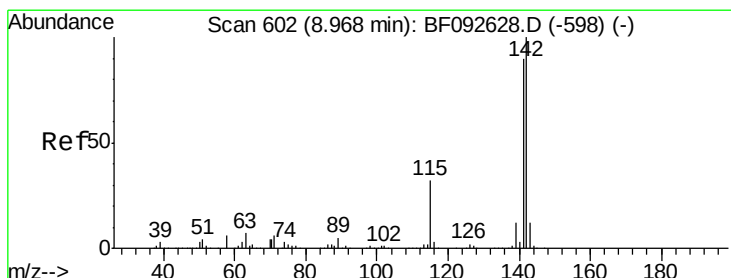
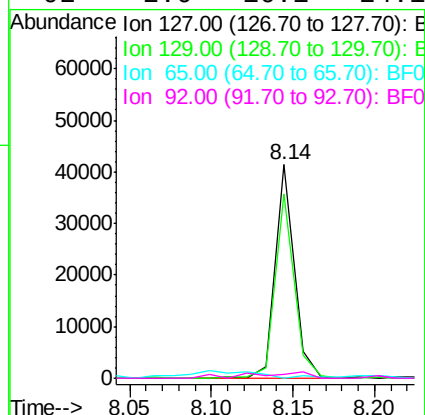
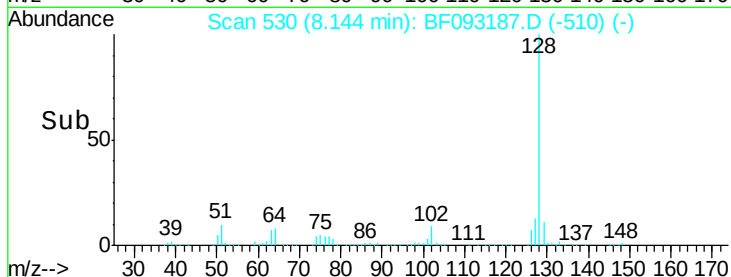
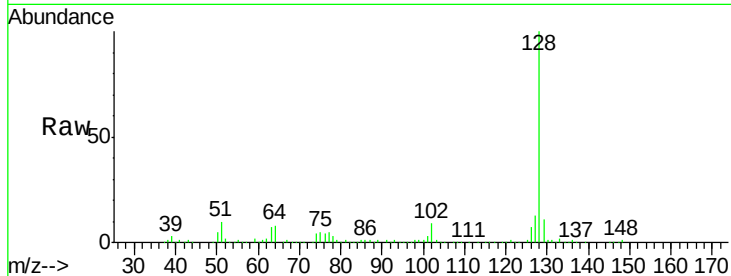




#33
4-Chloroaniline
Concen: 2.99 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.07 min
Lab File: BF093187.D
Acq: 25 Feb 2017 12:36

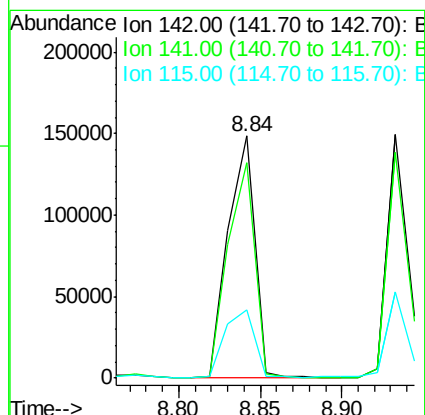
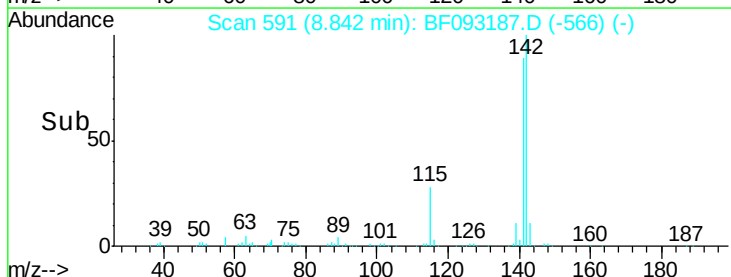
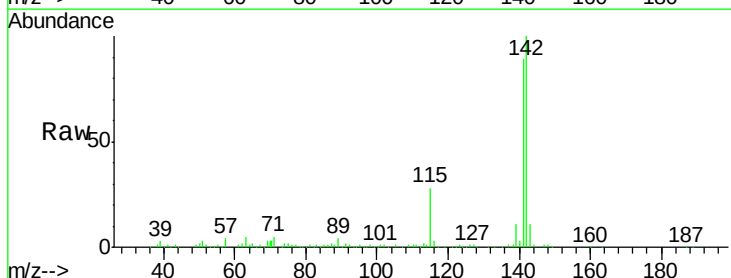
Instrument :
BNA_F
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E2-B1-SW-3

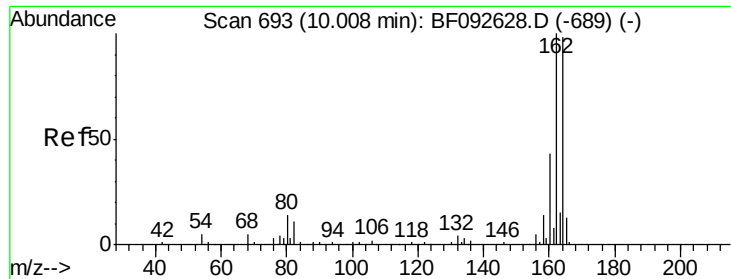
Tgt Ion:	127	Resp:	33993
Ion	Ratio	Lower	Upper
127	100		
129	86.6	26.3	39.5#
65	0.0	25.8	38.8#
92	2.0	16.1	24.1#



#37
2-Methylnaphthalene
Concen: 9.02 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF093187.D
Acq: 25 Feb 2017 12:36

Tgt Ion:	142	Resp:	168105
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.0	106.6
115	28.4	28.3	42.5

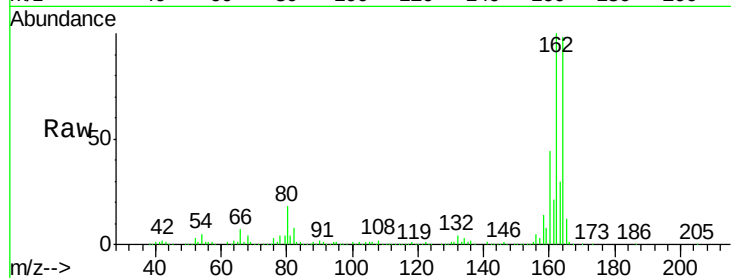




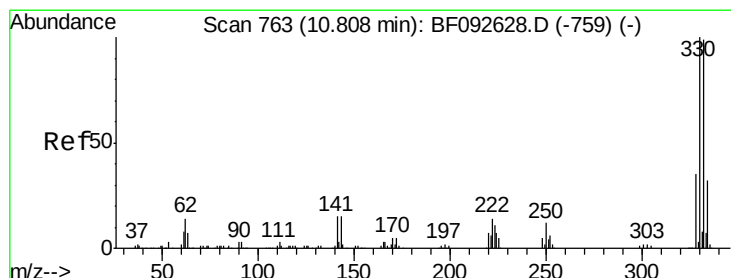
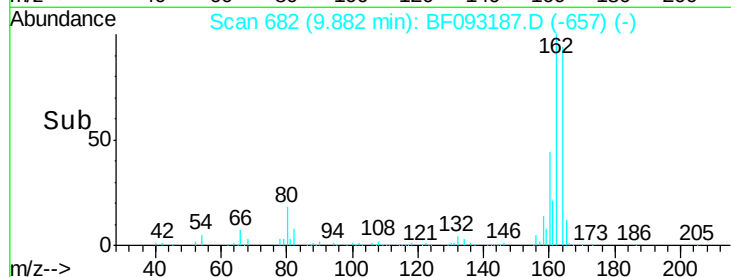
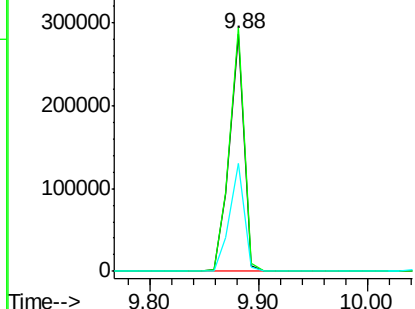
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093187.D
 Acq: 25 Feb 2017 12:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-SW-3

Tgt Ion:164 Resp: 268688
 Ion Ratio Lower Upper
 164 100
 162 102.4 80.2 120.2
 160 45.3 36.9 55.3

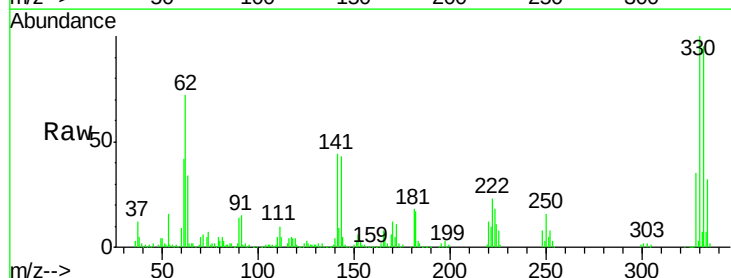


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

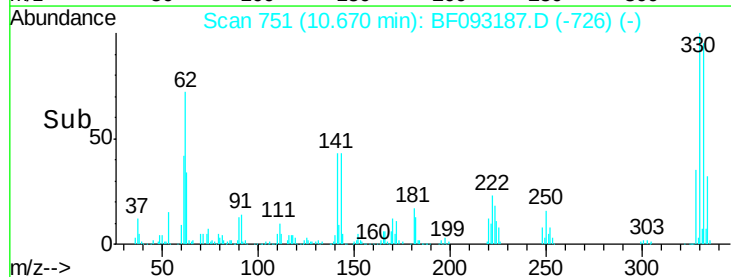
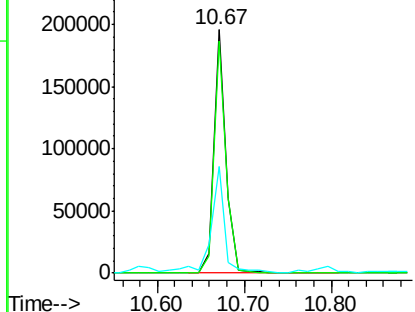


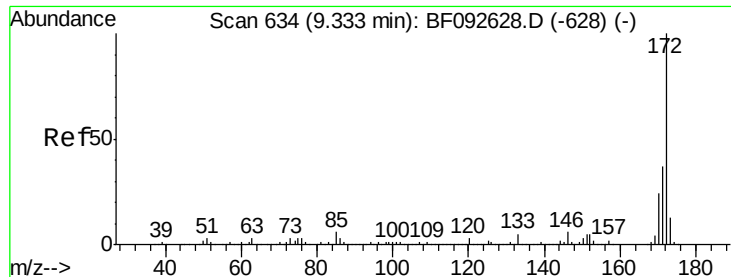
#41
 2,4,6-Tribromophenol
 Concen: 97.98 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093187.D
 Acq: 25 Feb 2017 12:36

Tgt Ion:330 Resp: 190403
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.2
 141 47.4 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

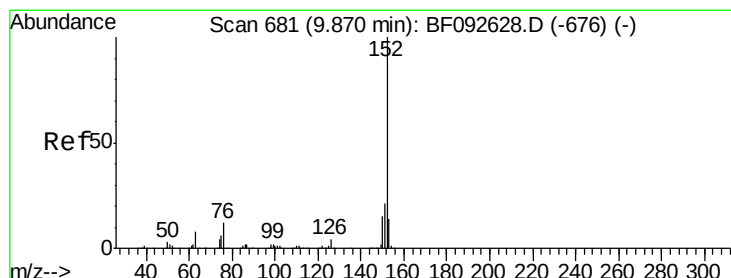
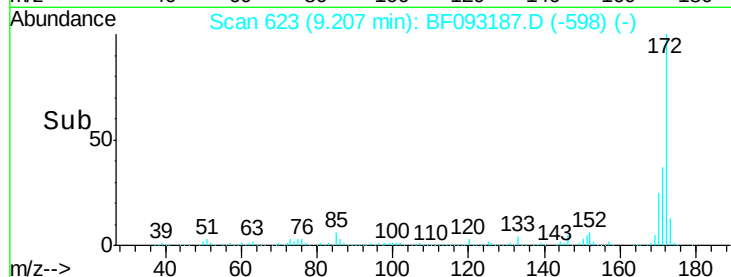
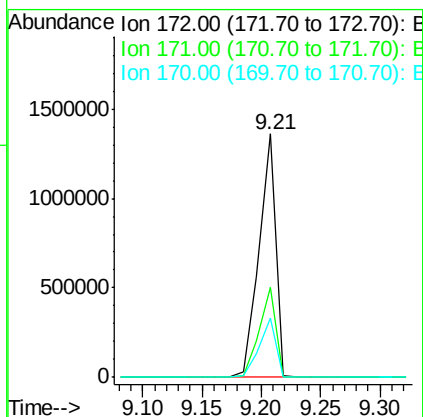
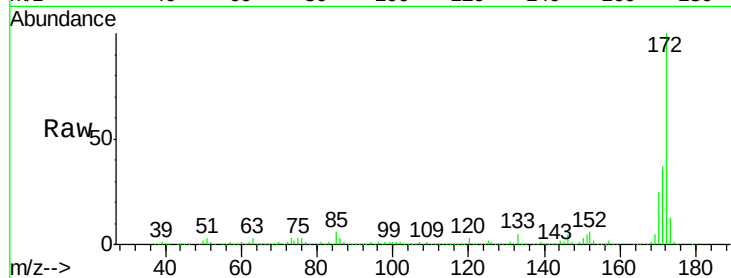




#44
2-Fluorobiphenyl
Concen: 91.33 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093187.D
Acq: 25 Feb 2017 12:36

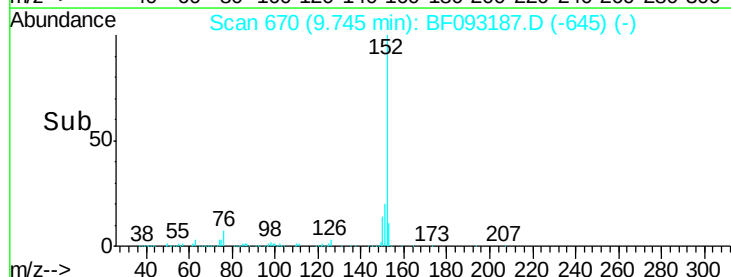
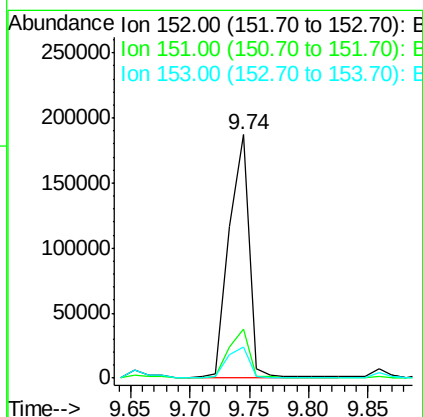
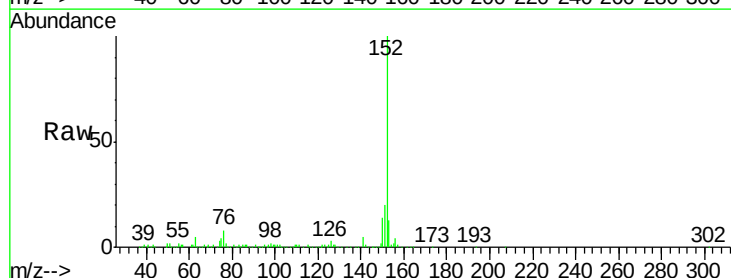
Instrument :
BNA_F
ClientSampleId :
E2-B1-SW-3

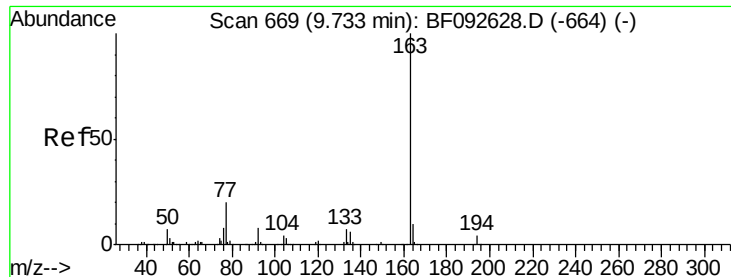
Tgt Ion:172 Resp: 1354459
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.5 20.2 30.4



#48
Acenaphthylene
Concen: 8.23 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF093187.D
Acq: 25 Feb 2017 12:36

Tgt Ion:152 Resp: 216493
Ion Ratio Lower Upper
152 100
151 20.1 16.9 25.3
153 12.9 11.4 17.2





#49

Dimethylphthalate

Concen: 6.53 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-3

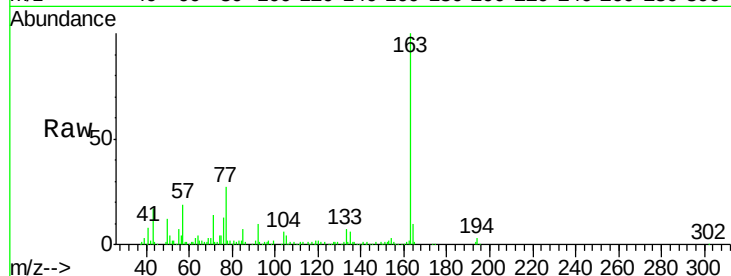
Tgt Ion:163 Resp: 118188

Ion Ratio Lower Upper

163 100

194 2.8 3.0 4.4#

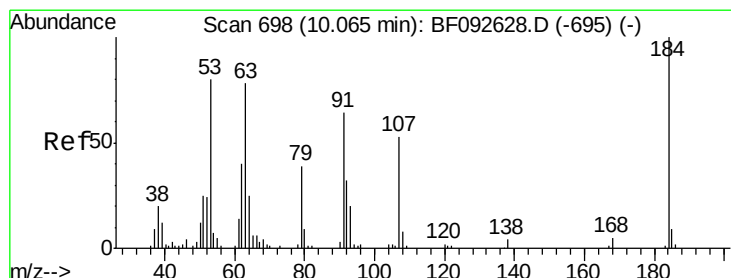
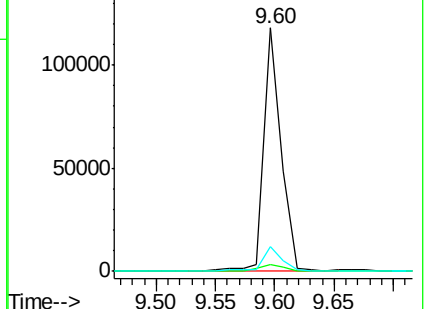
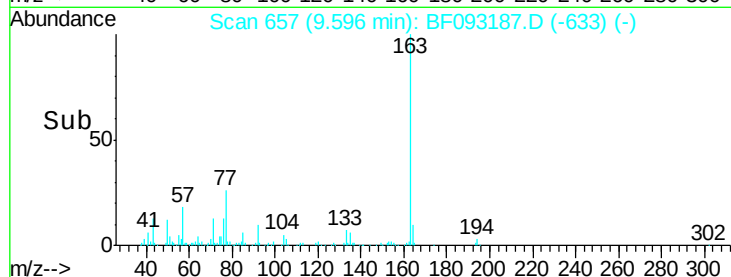
164 10.4 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 5.40 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.21 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

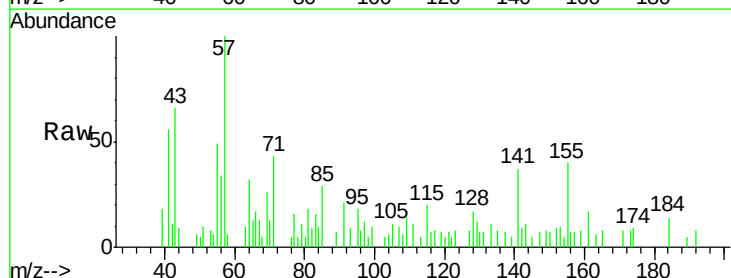
Tgt Ion:184 Resp: 1414

Ion Ratio Lower Upper

184 100

63 74.0 28.4 42.6#

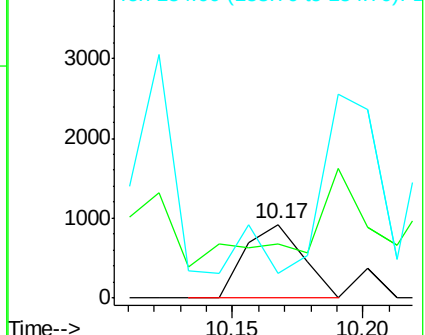
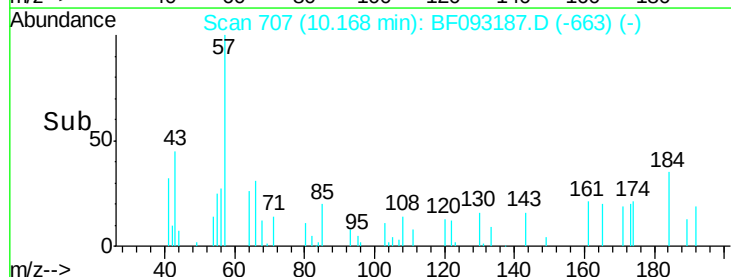
154 33.6 44.3 66.5#

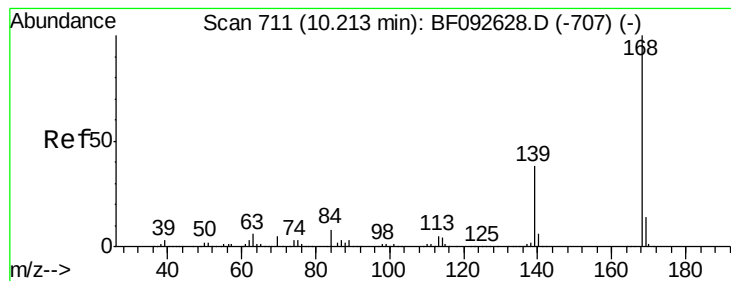


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 3.32 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

Instrument :

BNA_F

ClientSampleId :

E2-B1-SW-3

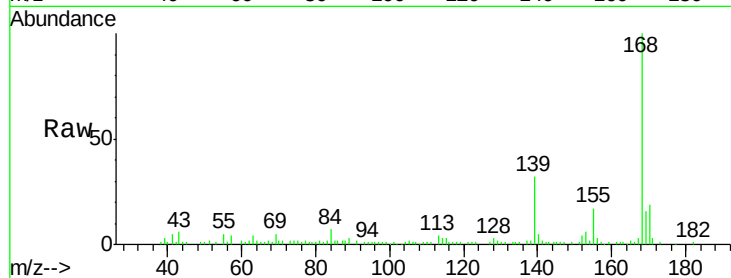
Tgt Ion:168 Resp: 69722

Ion Ratio Lower Upper

168 100

139 31.6 32.6 49.0#

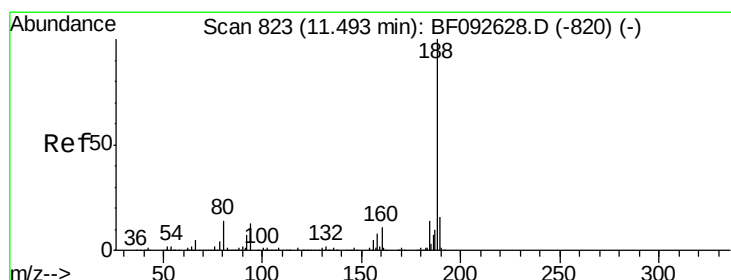
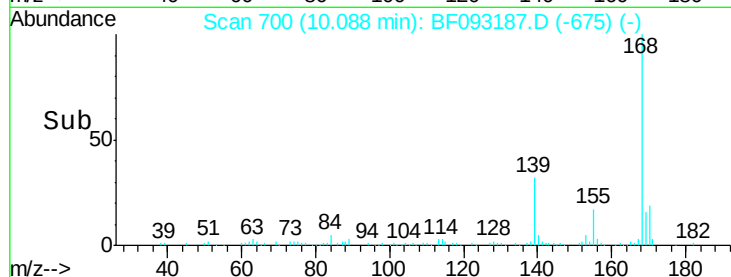
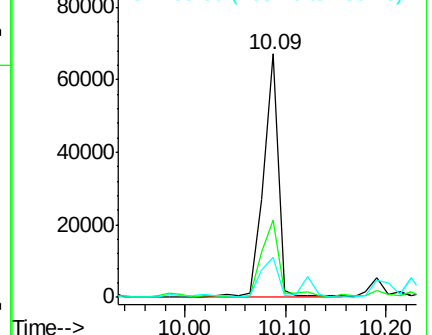
169 16.2 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093187.D

Acq: 25 Feb 2017 12:36

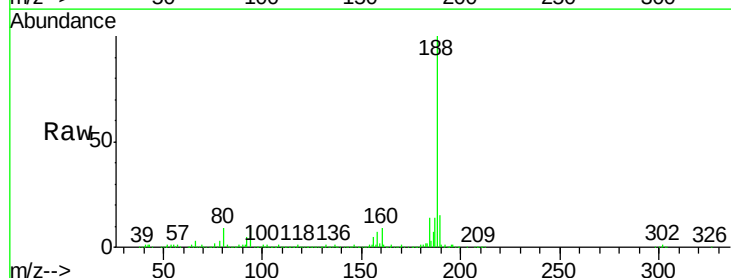
Tgt Ion:188 Resp: 409544

Ion Ratio Lower Upper

188 100

94 9.4 10.0 15.0#

80 9.4 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

