

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020217\
 Data File : BF092746.D
 Acq On : 2 Feb 2017 20:20
 Operator : SJ/MA
 Sample : I1658-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02A-0-2FT

Quant Time: Feb 02 23:57:29 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	145288	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	558023	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	267476	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	396581	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	314429	20.00	ng	-0.05
86) Perylene-d12	15.56	264	322352	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1336925	157.87	ng	-0.02
7) Phenol-d6	6.58	99	1365951	125.36	ng	-0.02
23) Nitrobenzene-d5	7.50	82	918087	91.62	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	270649	139.90	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1278327	86.58	ng	-0.03
78) Terphenyl-d14	13.05	244	900945	67.33	ng	-0.03

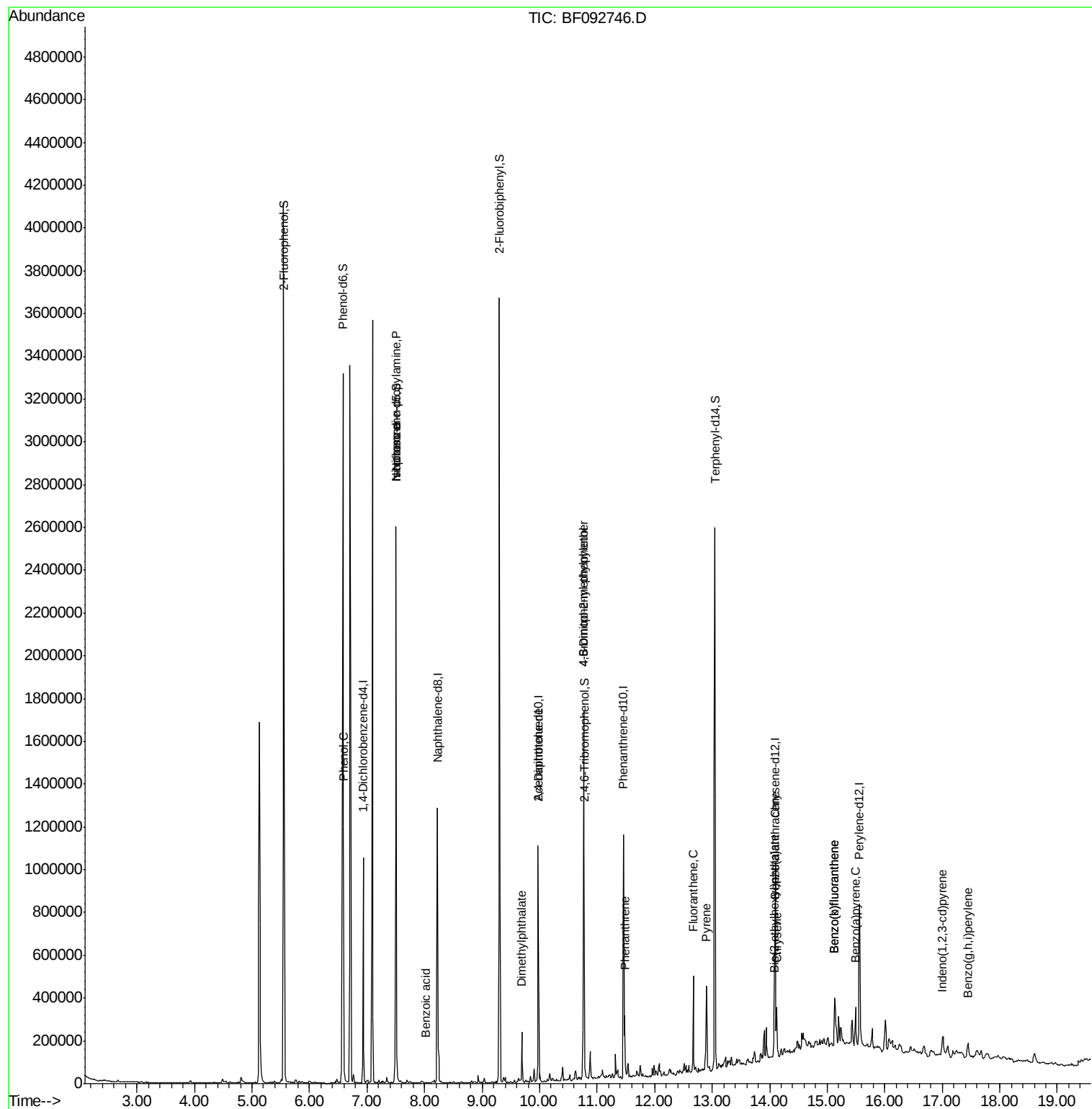
Target Compounds				Qvalue		
10) Phenol	6.59	94	107817	8.46	ng	81
19) n-Nitroso-di-n-propylamine	7.50	70	125852	18.14	ng	# 80
25) Isophorone	7.50	82	896036	47.99	ng	# 65
32) Benzoic acid	8.02	122	344	7.23	ng	# 1
49) Dimethylphthalate	9.69	163	107444	5.96	ng	98
56) 2,4-Dinitrotoluene	9.97	165	35824	6.92	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.76	198	608	2.91	ng	# 1
66) 4-Bromophenyl-phenylether	10.76	248	18868	4.55	ng	# 1
70) Phenanthrene	11.48	178	98819	4.35	ng	97
74) Fluoranthene	12.67	202	166634	7.11	ng	95
77) Pyrene	12.90	202	154895	6.58	ng	100
80) Benzo(a)anthracene	14.09	228	102457	5.33	ng	98
82) Chrysene	14.12	228	68556	3.81	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	41319	3.16	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.00	276	56755	4.07	ng	97
87) Benzo(b)fluoranthene	15.13	252	157748	7.43	ng	# 97
88) Benzo(k)fluoranthene	15.13	252	157748	8.61	ng	# 96
89) Benzo(a)pyrene	15.49	252	86844	4.73	ng	97
91) Benzo(g,h,i)perylene	17.45	276	57411	3.83	ng	# 91

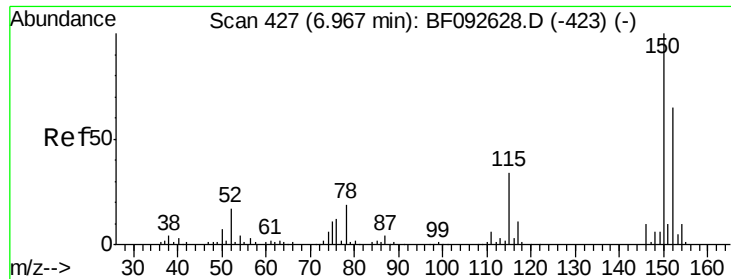
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SP-COMP-02A-0-2FT

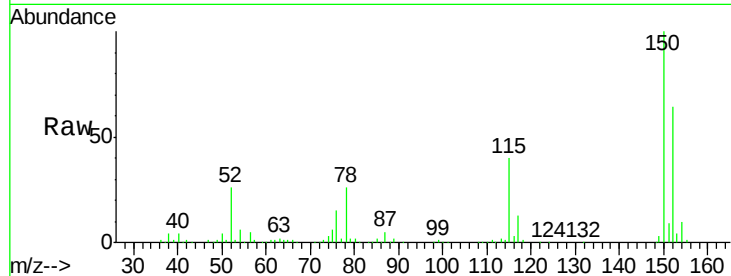
Tgt Ion:152 Resp: 145288

Ion Ratio Lower Upper

152 100

150 157.1 124.9 187.3

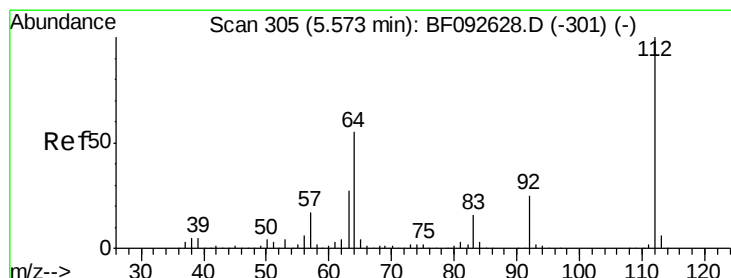
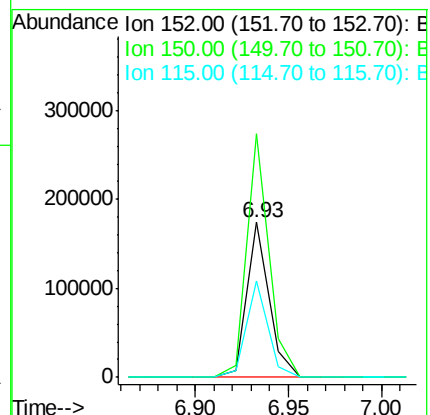
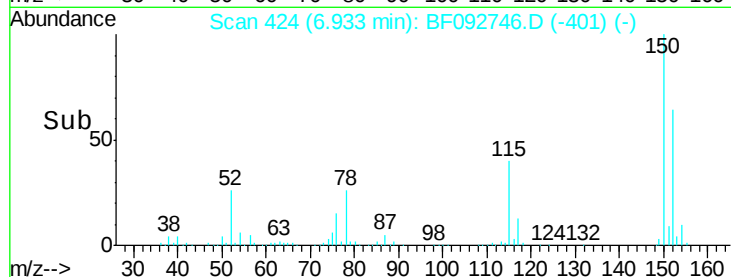
115 62.5 46.0 69.0



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: 157.87 ng

RT: 5.55 min Scan# 303

Delta R.T. -0.02 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

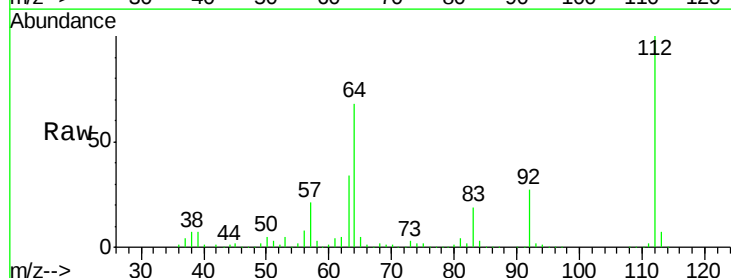
Tgt Ion:112 Resp: 1336925

Ion Ratio Lower Upper

112 100

64 68.3 46.1 69.1

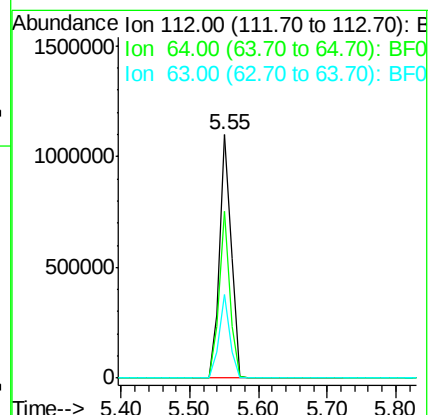
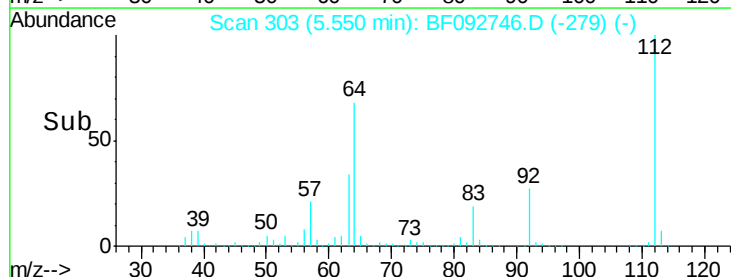
63 34.4 23.8 35.6

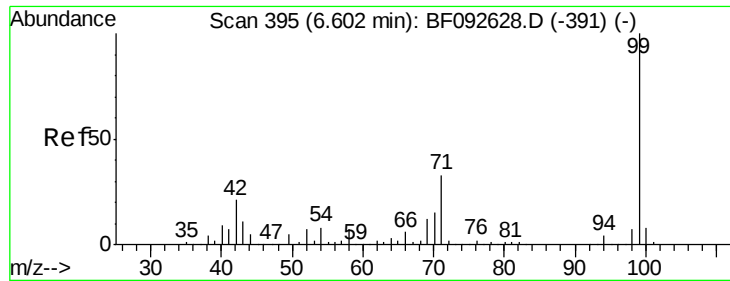


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.36 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SP-COMP-02A-0-2FT

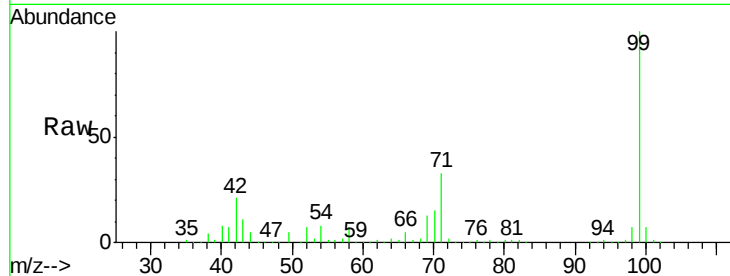
Tgt Ion: 99 Resp: 1365951

Ion Ratio Lower Upper

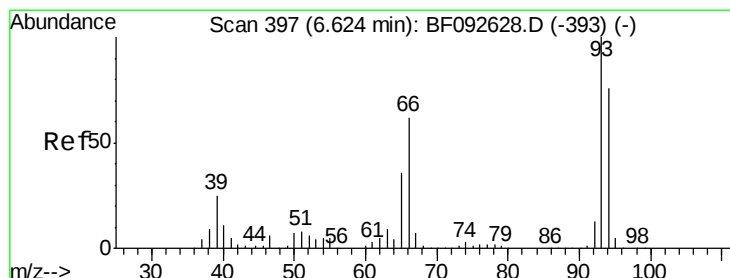
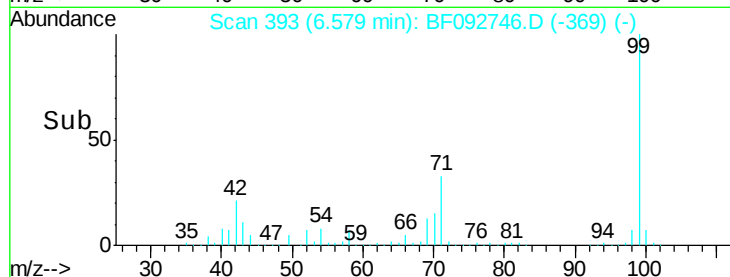
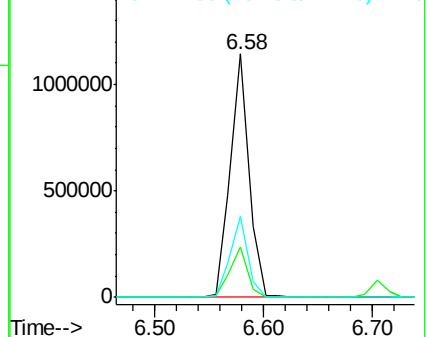
99 100

42 20.6 15.6 23.4

71 33.3 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



#10

Phenol

Concen: 8.46 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

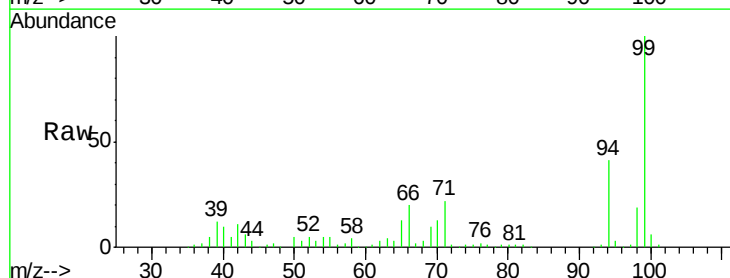
Tgt Ion: 94 Resp: 107817

Ion Ratio Lower Upper

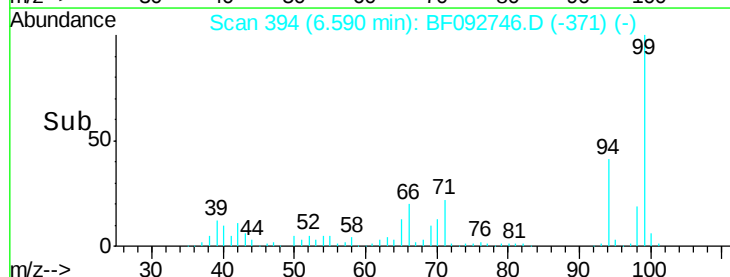
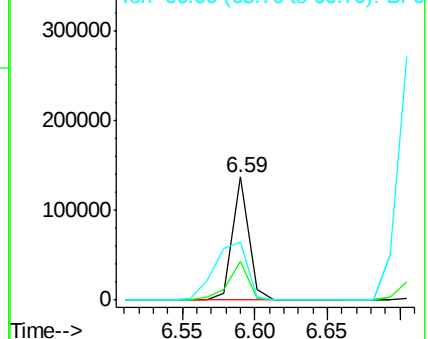
94 100

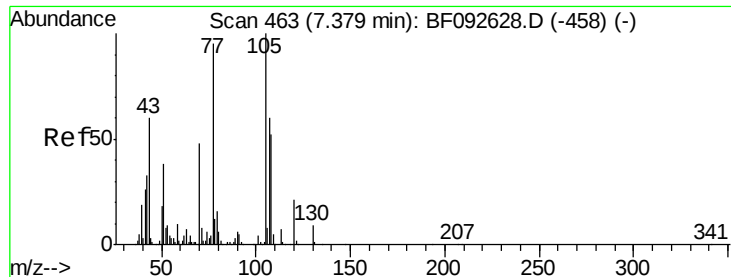
65 32.0 21.4 61.4

66 47.4 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

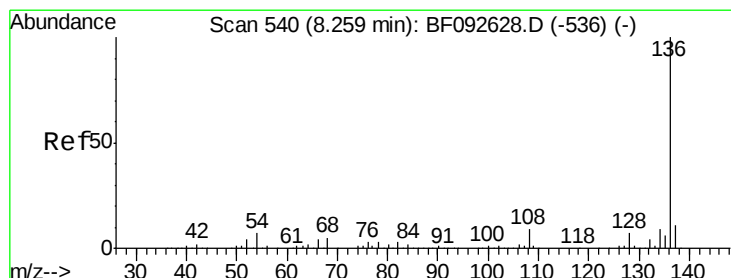
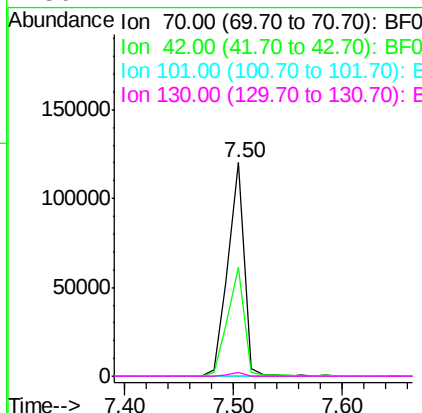
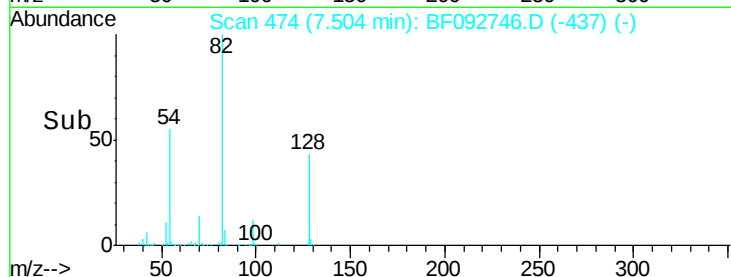
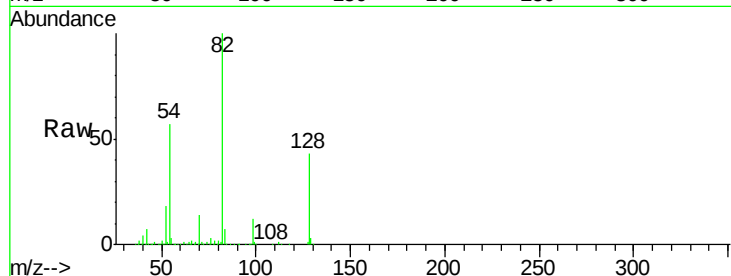




#19
n-Nitroso-di-n-propylamine
Concen: 18.14 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.13 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

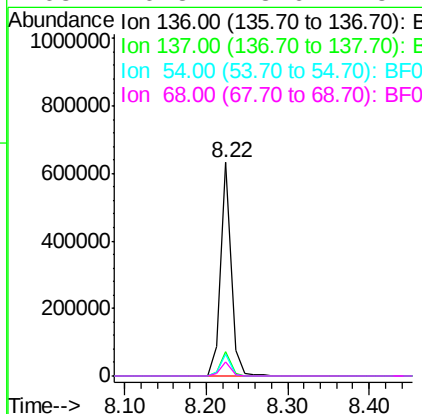
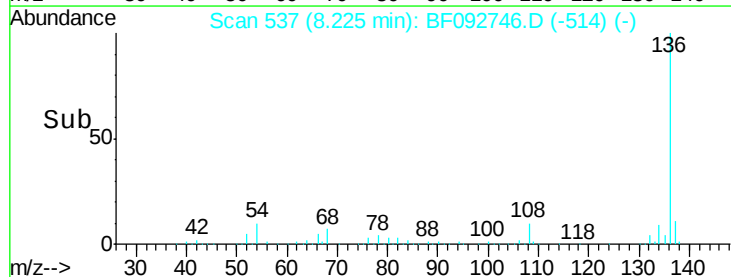
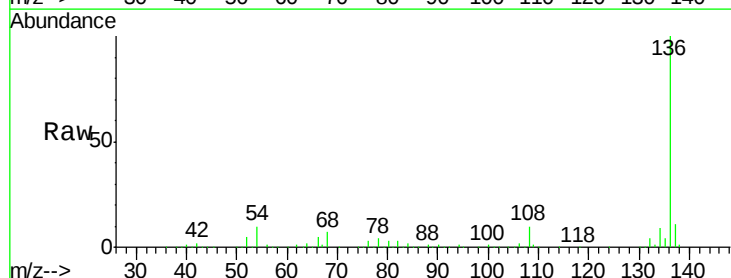
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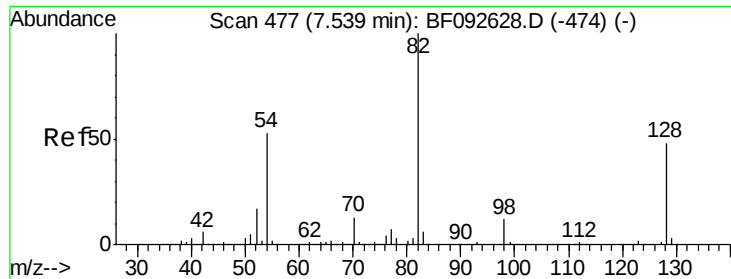
Tgt Ion: 70 Resp: 125852
Ion Ratio Lower Upper
70 100
42 51.0 49.4 74.0
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Tgt Ion: 136 Resp: 558023
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 10.0 4.5 6.7#
68 6.8 3.6 5.4#

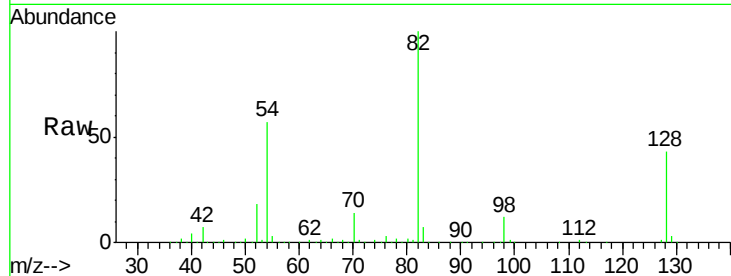




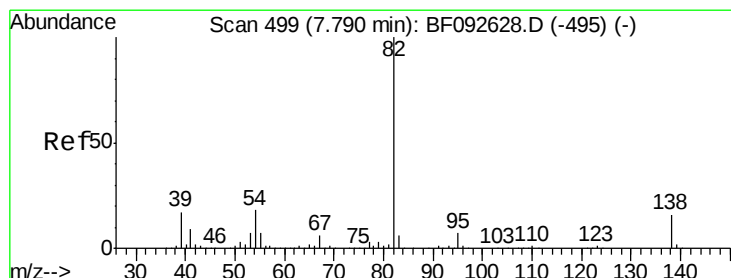
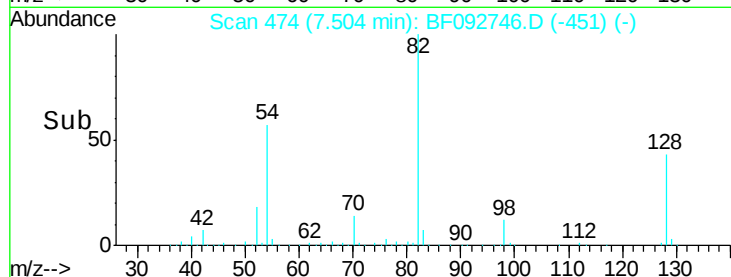
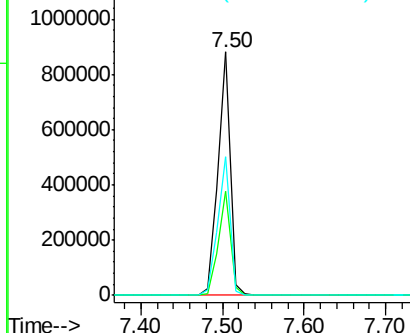
#23
Nitrobenzene-d5
Concen: 91.62 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.03 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02A-0-2FT

Tgt Ion: 82 Resp: 918087
Ion Ratio Lower Upper
82 100
128 42.8 34.6 52.0
54 57.1 39.5 59.3

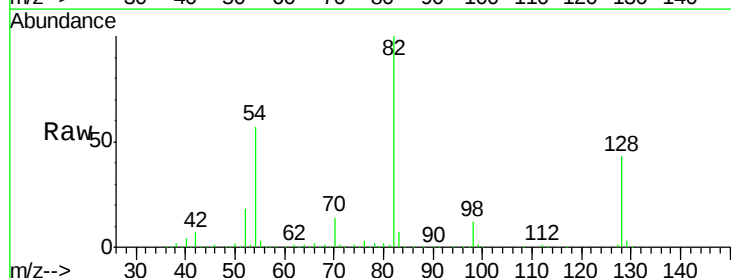


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

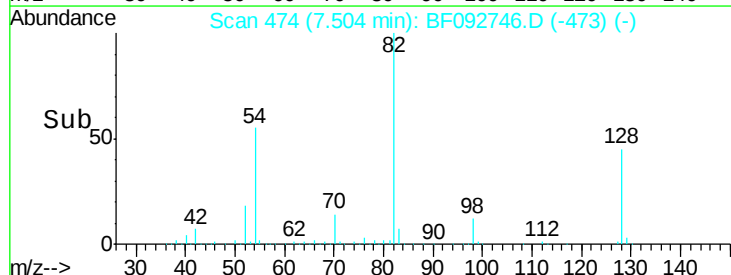
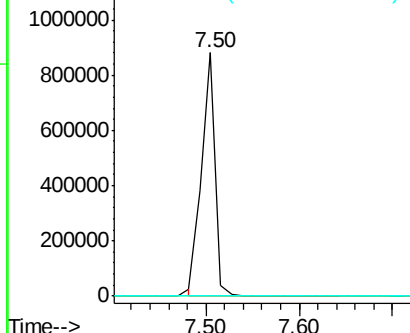


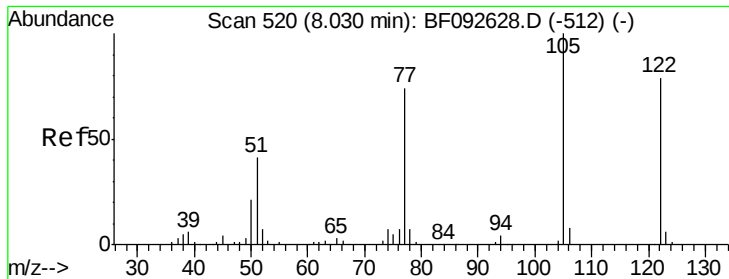
#25
Isophorone
Concen: 47.99 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.29 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Tgt Ion: 82 Resp: 896036
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

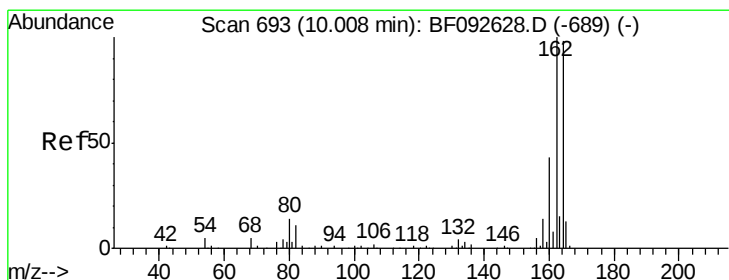
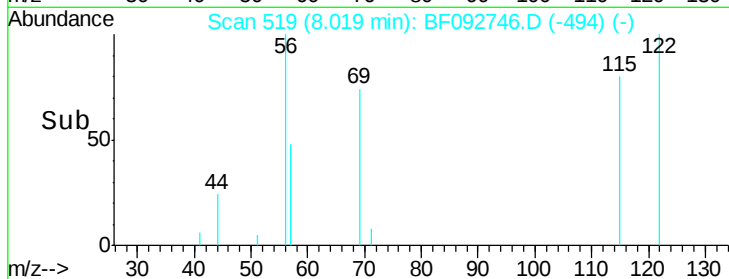
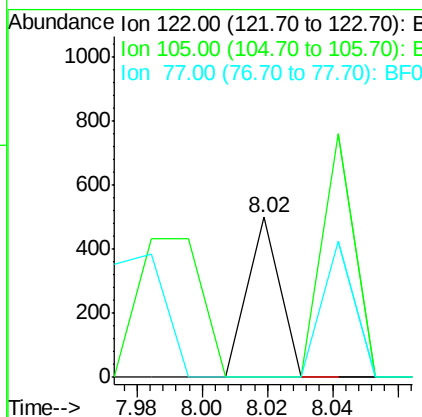
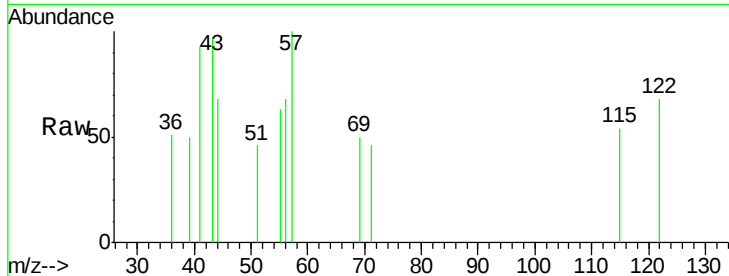




#32
Benzoic acid
Concen: 7.23 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

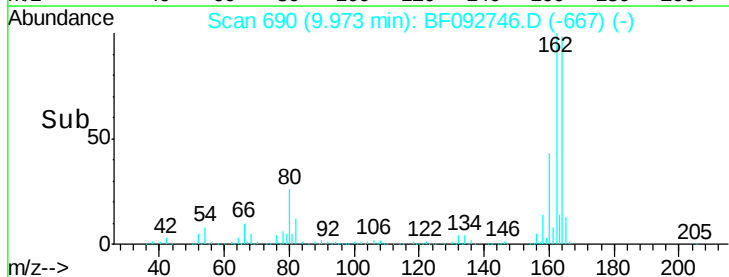
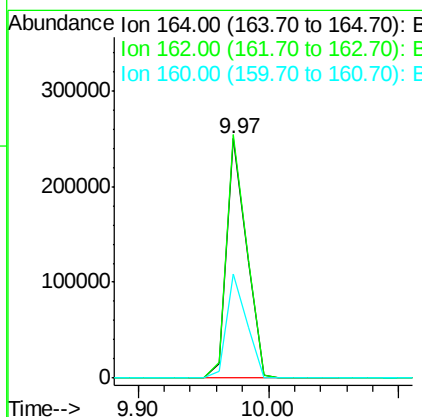
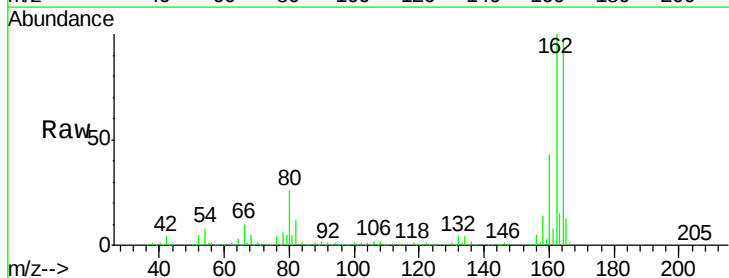
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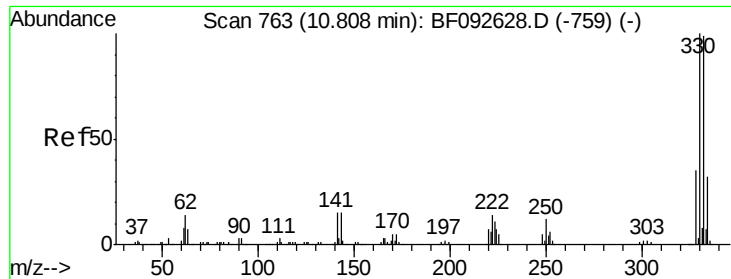
Tgt Ion:122 Resp: 344
Ion Ratio Lower Upper
122 100
105 0.0 107.2 147.2#
77 0.0 74.5 114.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Tgt Ion:164 Resp: 267476
Ion Ratio Lower Upper
164 100
162 101.7 80.2 120.2
160 43.6 36.9 55.3

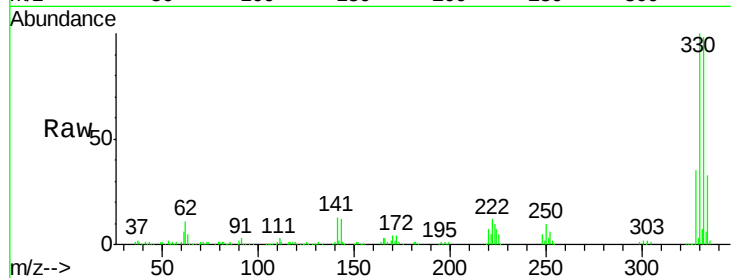




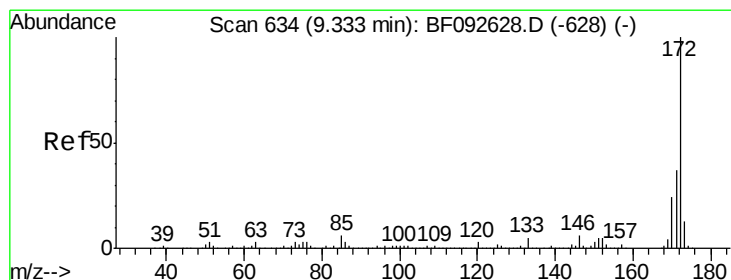
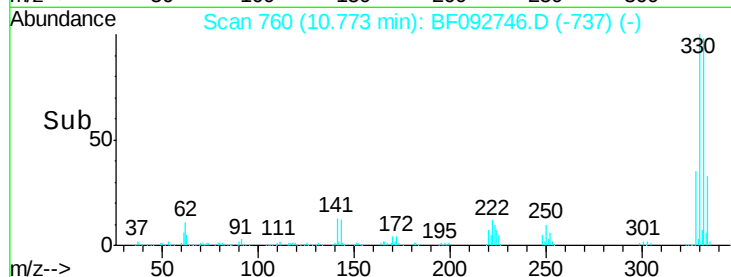
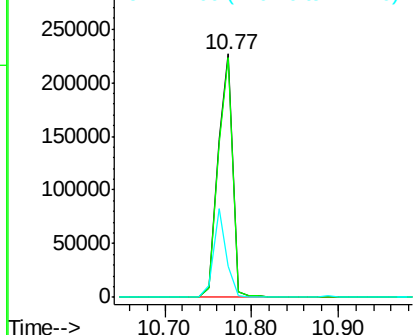
#41
 2,4,6-Tribromophenol
 Concen: 139.90 ng
 RT: 10.77 min Scan# 760
 Delta R.T. -0.03 min
 Lab File: BF092746.D
 Acq: 2 Feb 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02A-0-2FT

Tgt Ion:330 Resp: 270649
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.4 116.2
 141 32.4 34.1 51.1#

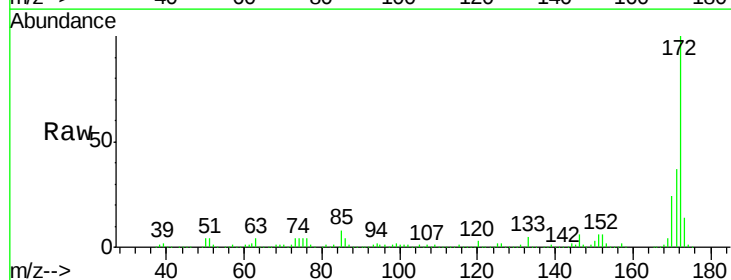


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

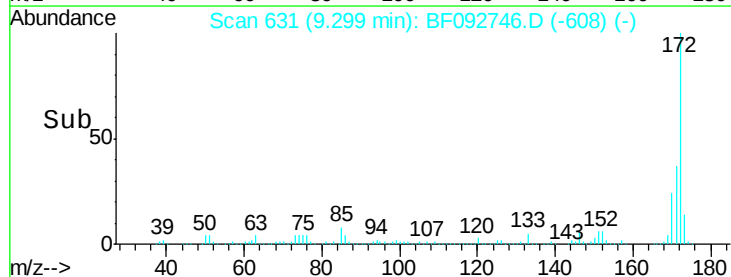
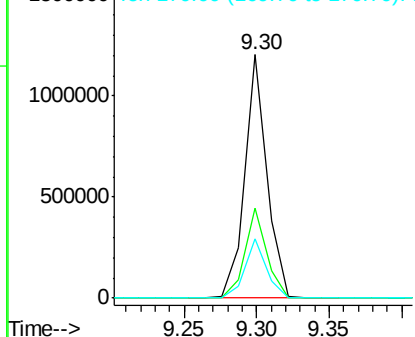


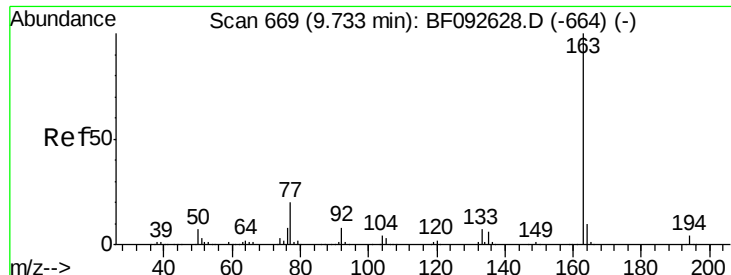
#44
 2-Fluorobiphenyl
 Concen: 86.58 ng
 RT: 9.30 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF092746.D
 Acq: 2 Feb 2017 20:20

Tgt Ion:172 Resp: 1278327
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.2 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: 5.96 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SP-COMP-02A-0-2FT

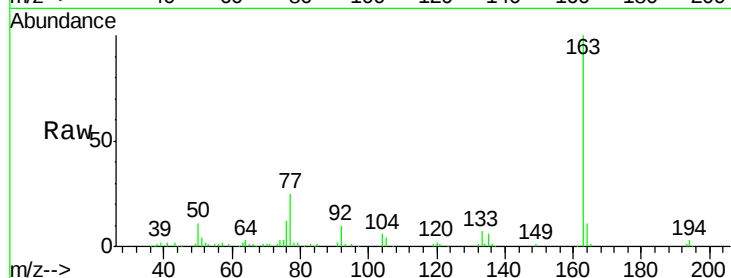
Tgt Ion:163 Resp: 107444

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

164 10.9 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

120000

100000

80000

60000

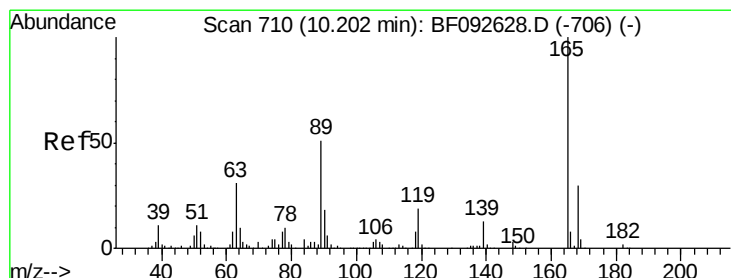
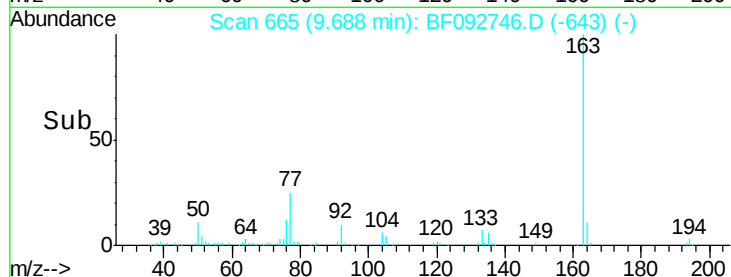
40000

20000

0

9.65 9.70 9.75

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.92 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.23 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

Tgt Ion:165 Resp: 35824

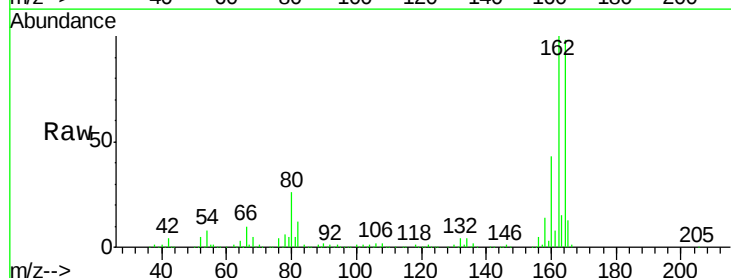
Ion Ratio Lower Upper

165 100

63 1.2 40.2 60.4#

89 1.6 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

50000

40000

30000

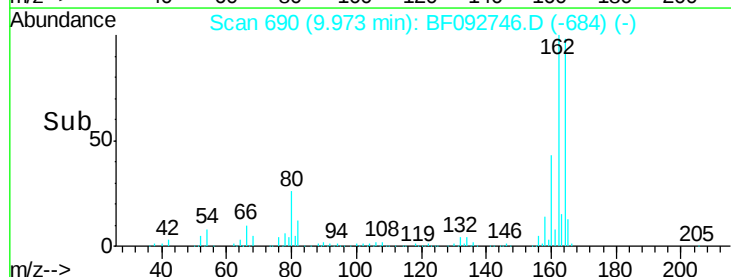
20000

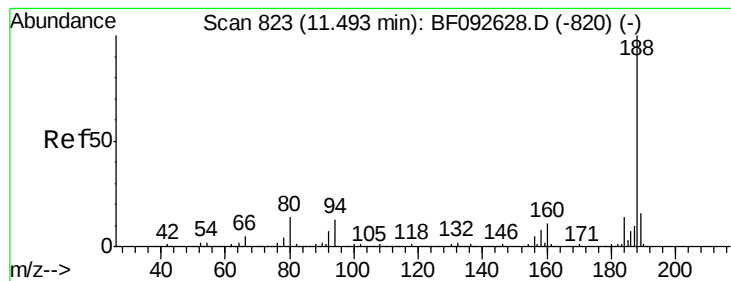
10000

0

9.90 9.95 10.00

Time-->





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SP-COMP-02A-0-2FT

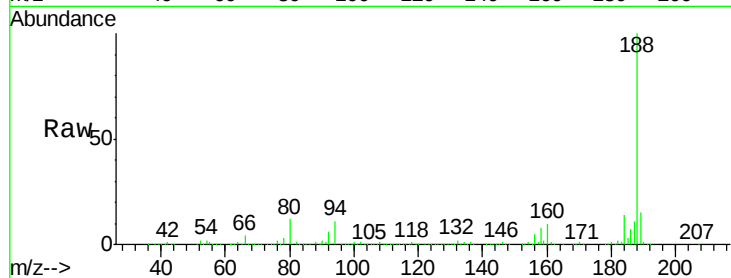
Tgt Ion:188 Resp: 396581

Ion Ratio Lower Upper

188 100

94 11.3 10.0 15.0

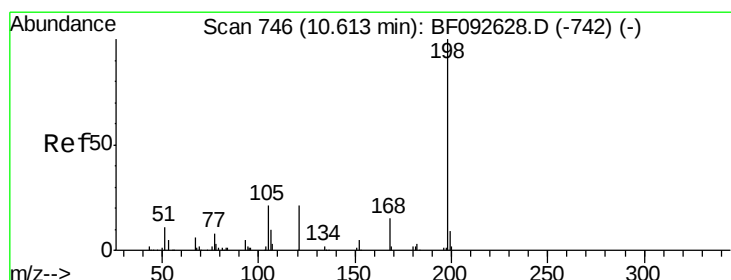
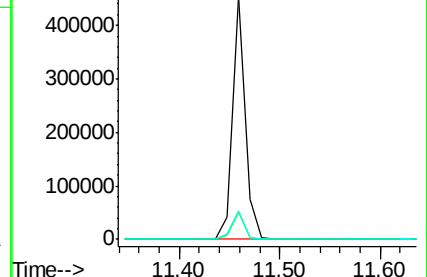
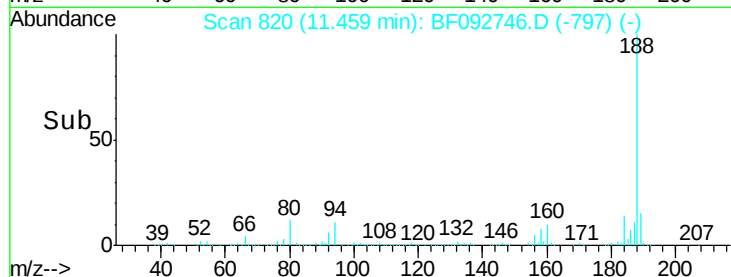
80 11.6 11.2 16.8



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: 2.91 ng

RT: 10.76 min Scan# 759

Delta R.T. 0.15 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

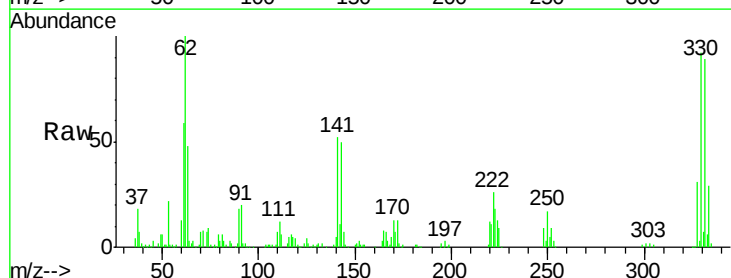
Tgt Ion:198 Resp: 608

Ion Ratio Lower Upper

198 100

51 300.0 6.7 46.7#

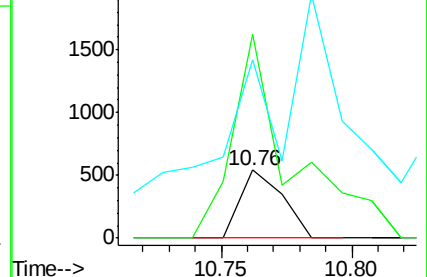
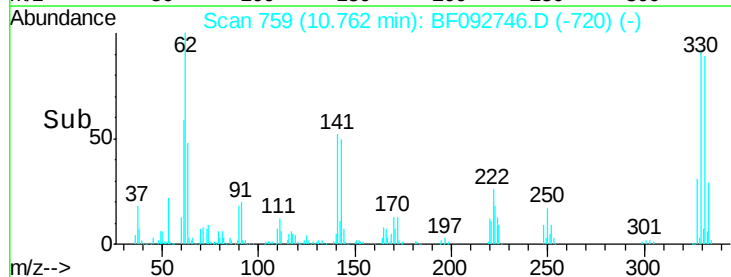
105 263.1 16.6 56.6#

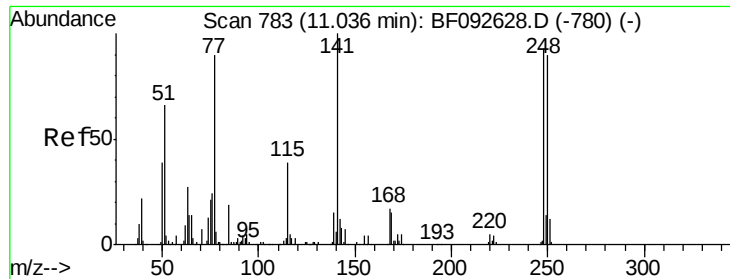


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

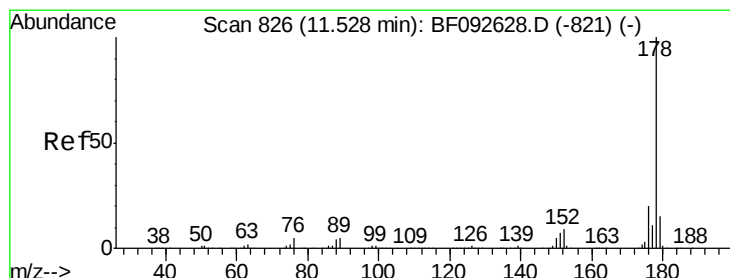
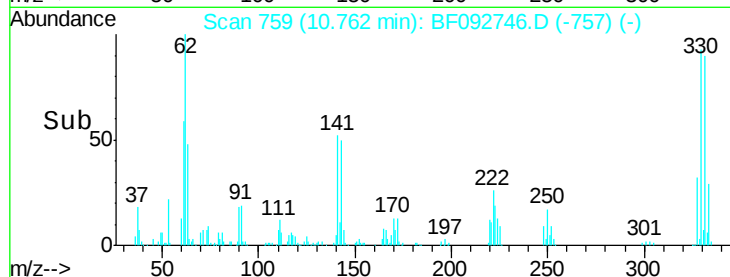
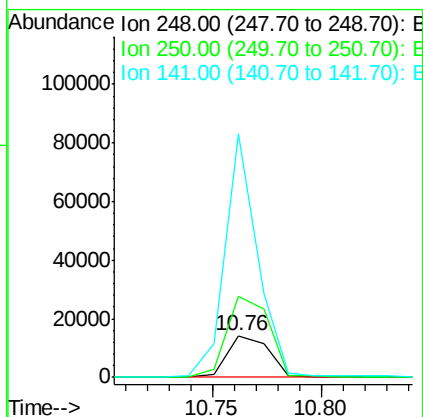
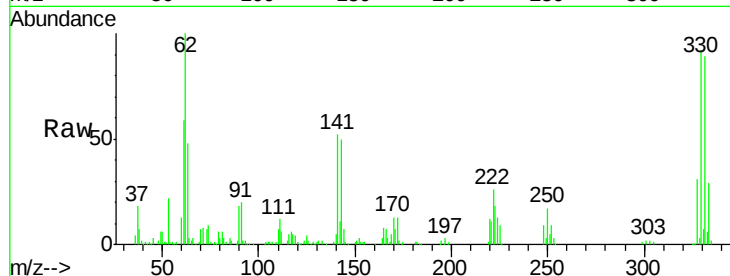




#66
4-Bromophenyl-phenylether
Concen: 4.55 ng
RT: 10.76 min Scan# 759
Delta R.T. -0.27 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

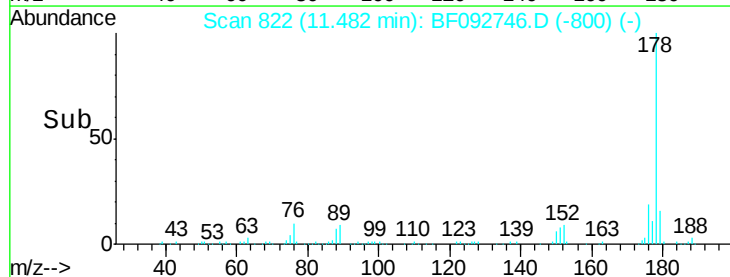
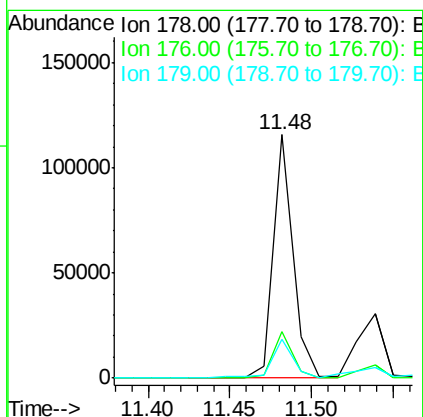
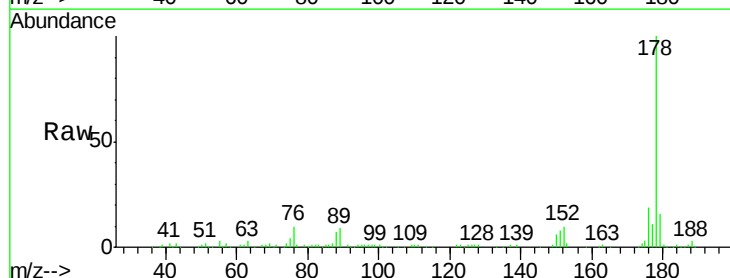
Instrument :
BNA_F
ClientSampleId :
SP-COMP-02A-0-2FT

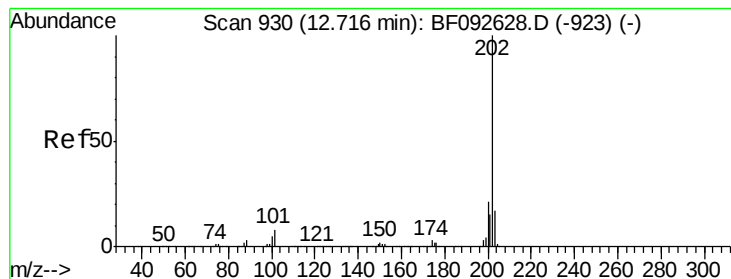
Tgt Ion:248 Resp: 18868
Ion Ratio Lower Upper
248 100
250 192.8 76.9 115.3#
141 580.6 68.2 102.4#



#70
Phenanthrene
Concen: 4.35 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Tgt Ion:178 Resp: 98819
Ion Ratio Lower Upper
178 100
176 19.0 16.6 25.0
179 15.7 12.8 19.2





#74

Fluoranthene

Concen: 7.11 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SP-COMP-02A-0-2FT

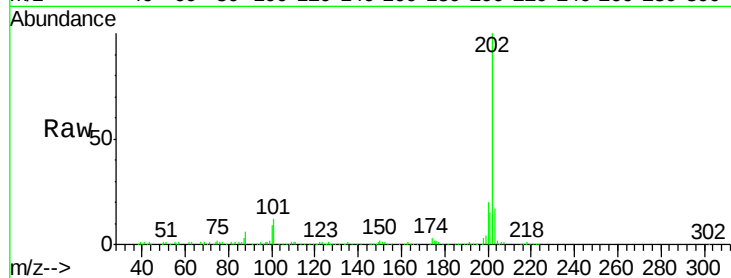
Tgt Ion:202 Resp: 166634

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.6

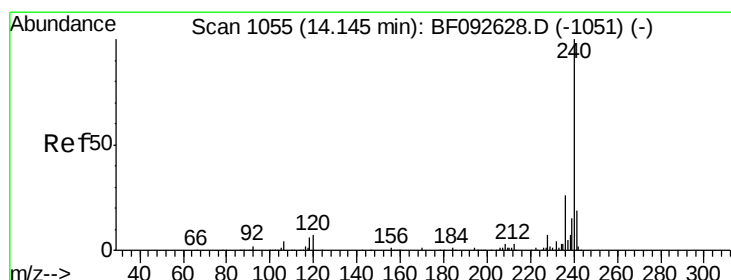
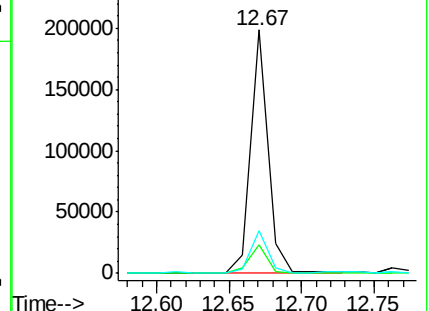
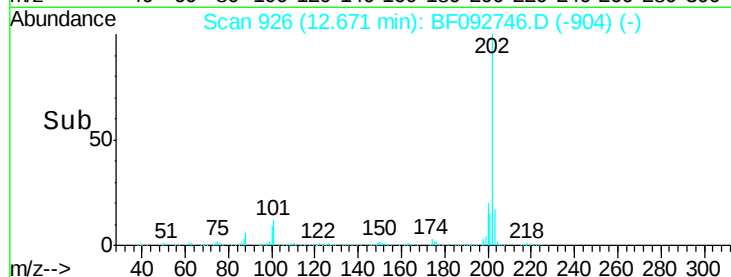
203 17.4 0.0 38.7



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: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

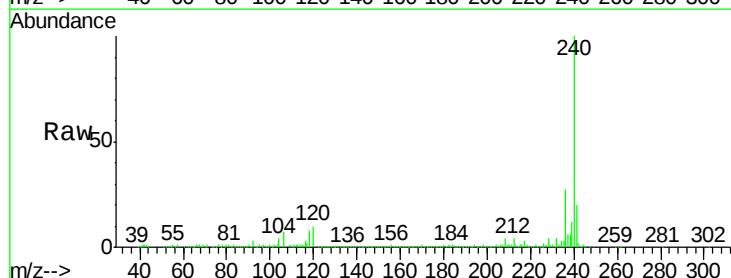
Tgt Ion:240 Resp: 314429

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

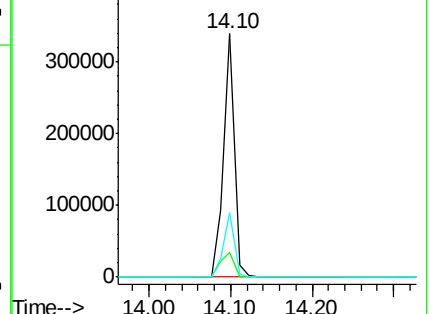
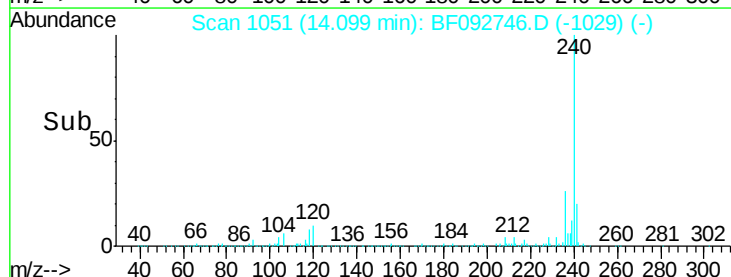
236 26.5 20.9 31.3

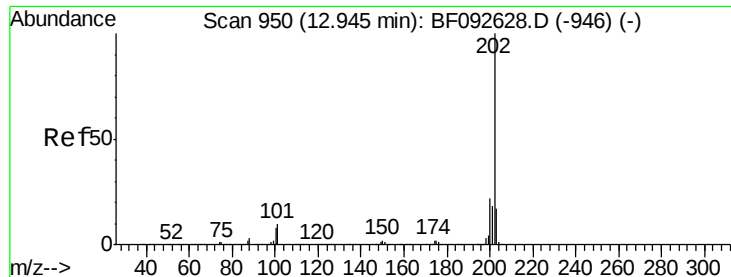


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

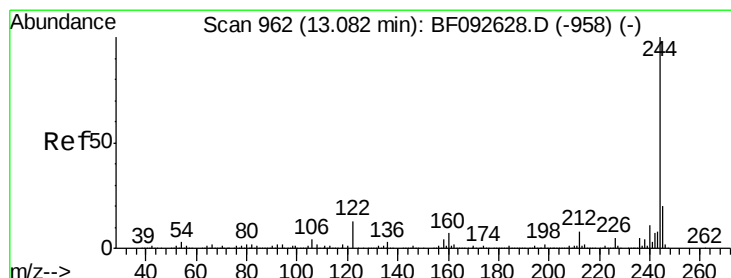
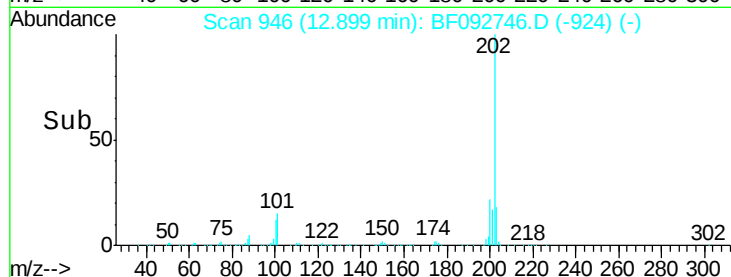
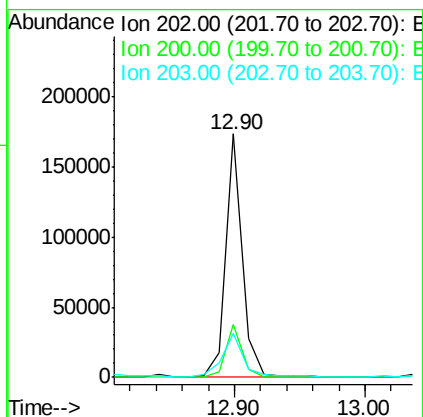
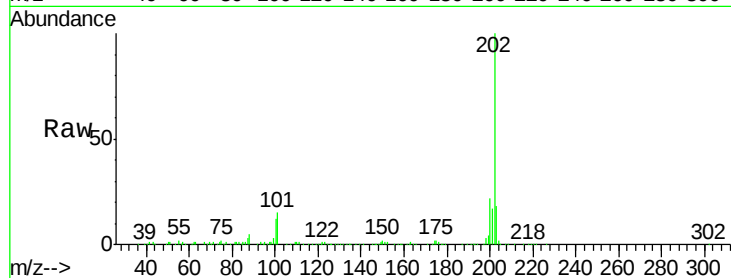




#77
 Pyrene
 Concen: 6.58 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.05 min
 Lab File: BF092746.D
 Acq: 2 Feb 2017 20:20

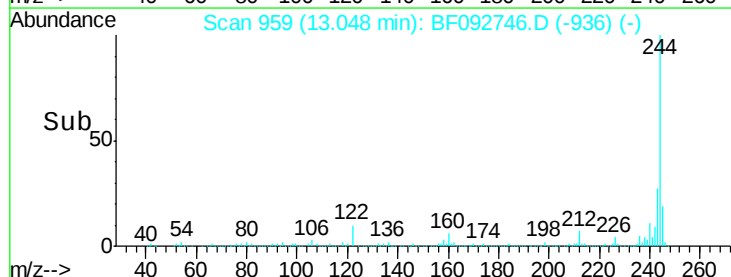
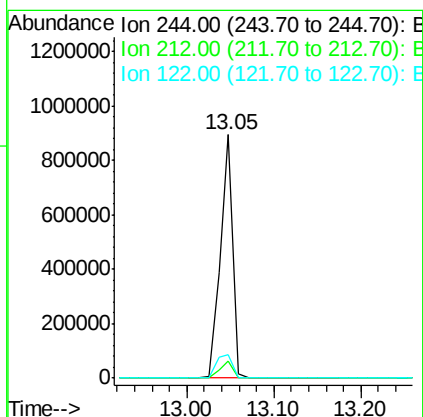
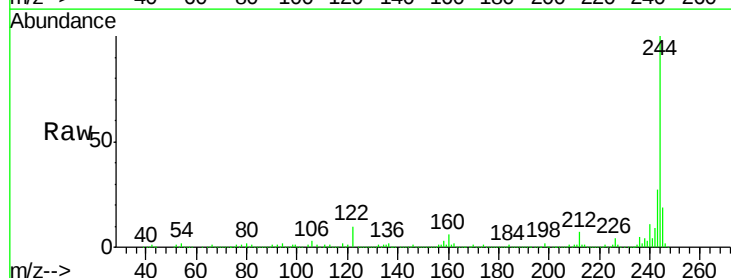
Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02A-0-2FT

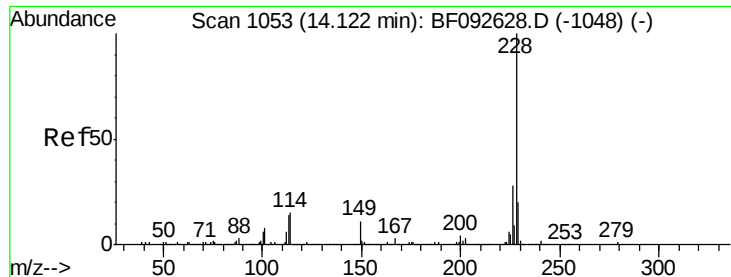
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	18.1	14.7	22.1



#78
 Terphenyl-d14
 Concen: 67.33 ng
 RT: 13.05 min Scan# 959
 Delta R.T. -0.03 min
 Lab File: BF092746.D
 Acq: 2 Feb 2017 20:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.2
122	9.9	11.4	17.2





#80

Benzo(a)anthracene

Concen: 5.33 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.03 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

Instrument :

BNA_F

ClientSampleId :

SP-COMP-02A-0-2FT

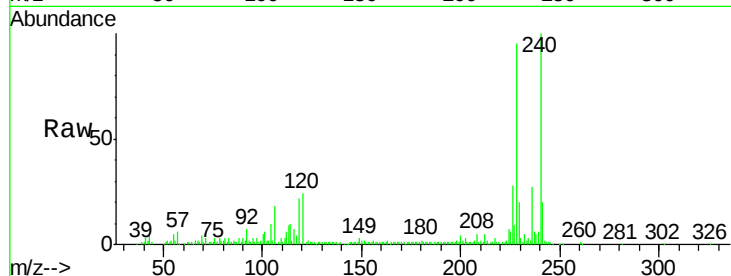
Tgt Ion:228 Resp: 102457

Ion Ratio Lower Upper

228 100

226 29.5 22.4 33.6

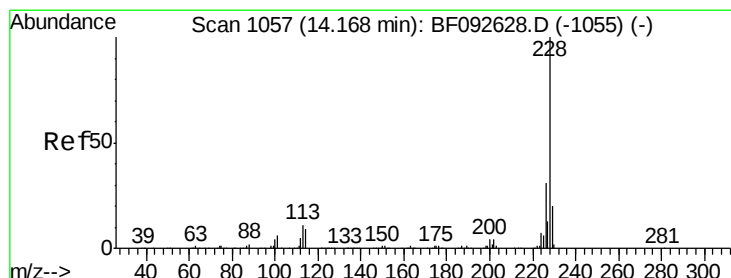
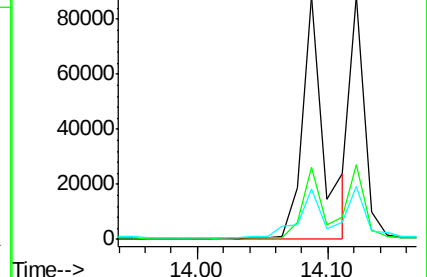
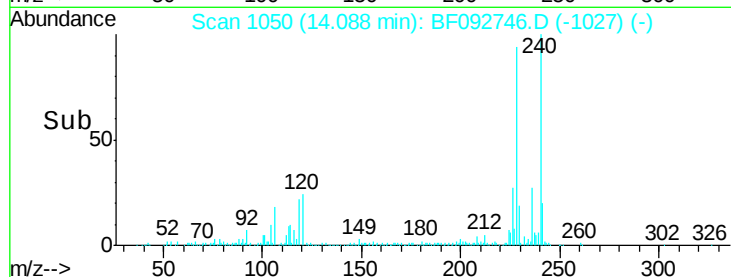
229 20.9 16.2 24.4



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



#82

Chrysene

Concen: 3.81 ng

RT: 14.12 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF092746.D

Acq: 2 Feb 2017 20:20

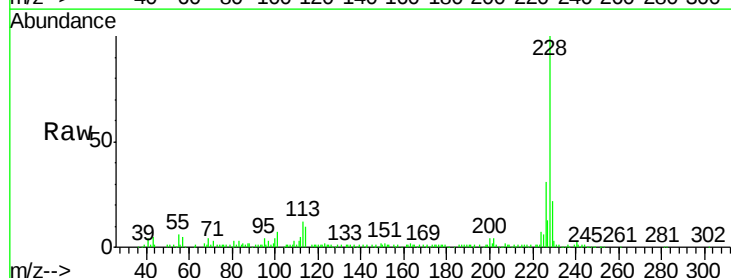
Tgt Ion:228 Resp: 68556

Ion Ratio Lower Upper

228 100

226 30.9 25.4 38.0

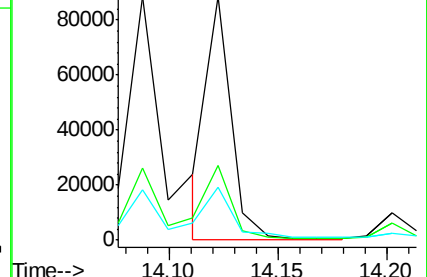
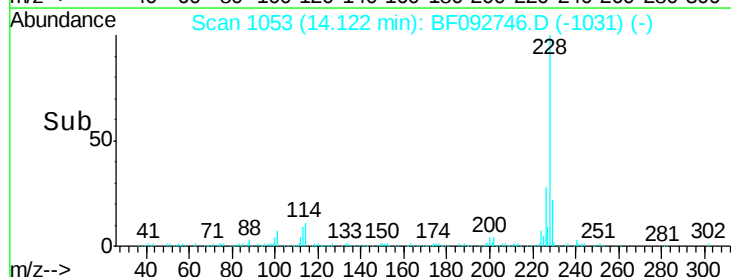
229 21.7 16.2 24.2

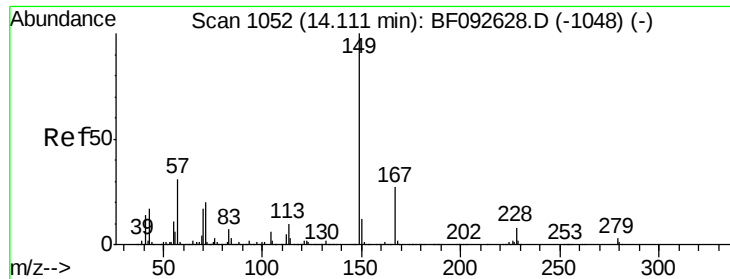


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

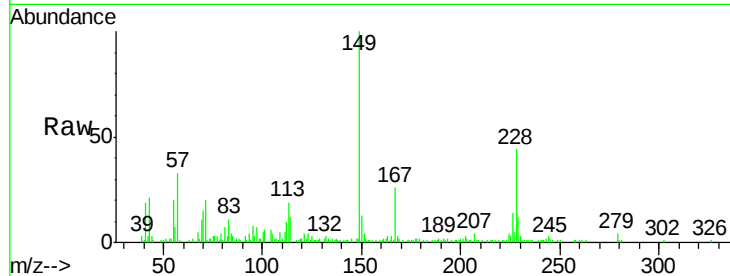




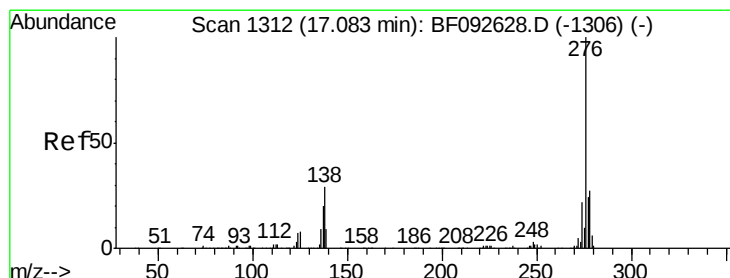
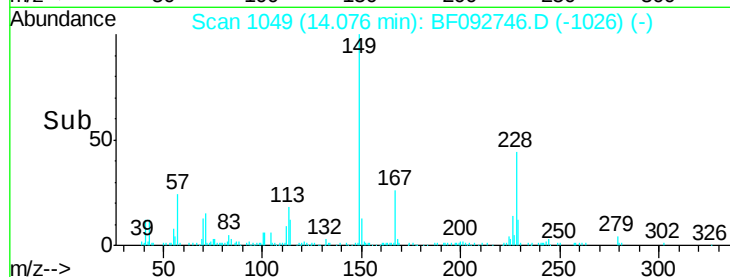
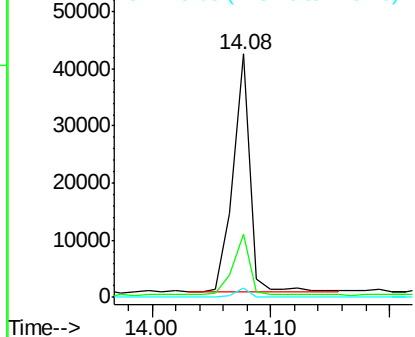
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.16 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF092746.D
 Acq: 2 Feb 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02A-0-2FT

Tgt Ion:149 Resp: 41319
 Ion Ratio Lower Upper
 149 100
 167 25.8 20.2 30.4
 279 3.9 1.8 2.8#

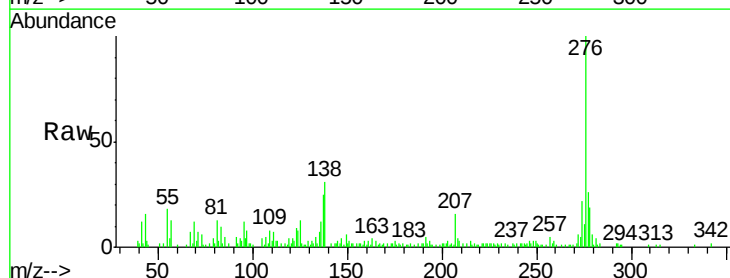


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

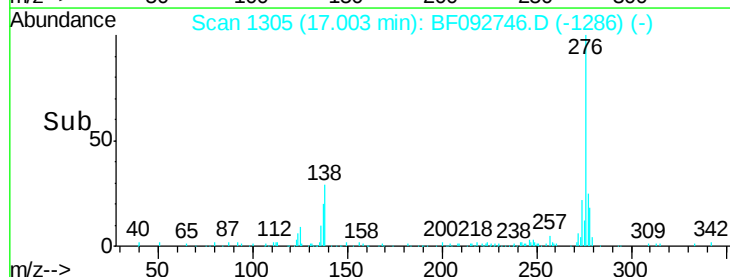
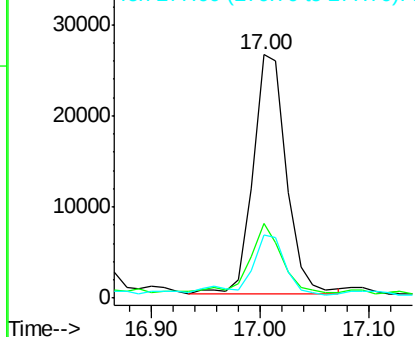


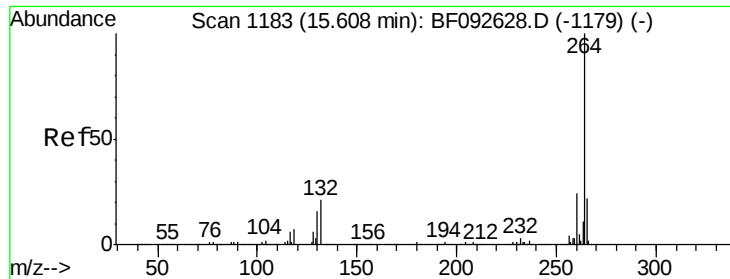
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.07 ng
 RT: 17.00 min Scan# 1305
 Delta R.T. -0.08 min
 Lab File: BF092746.D
 Acq: 2 Feb 2017 20:20

Tgt Ion:276 Resp: 56755
 Ion Ratio Lower Upper
 276 100
 138 28.7 21.8 32.6
 277 26.7 20.2 30.4



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



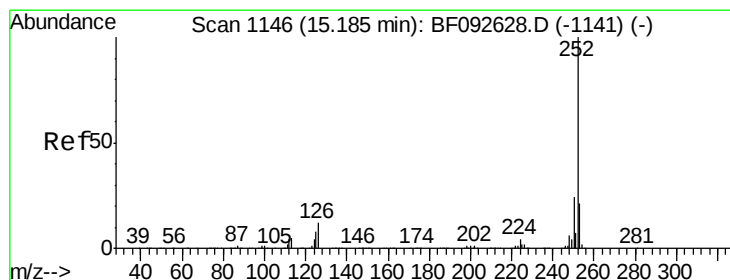
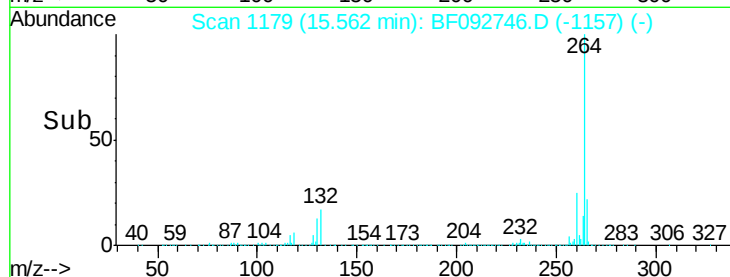
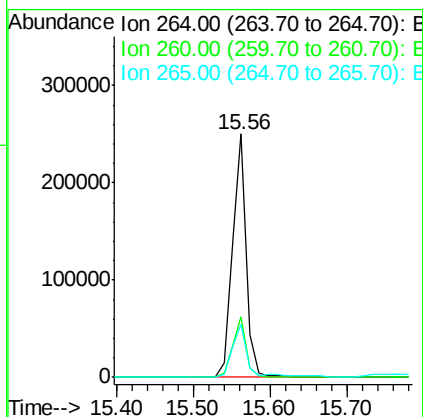
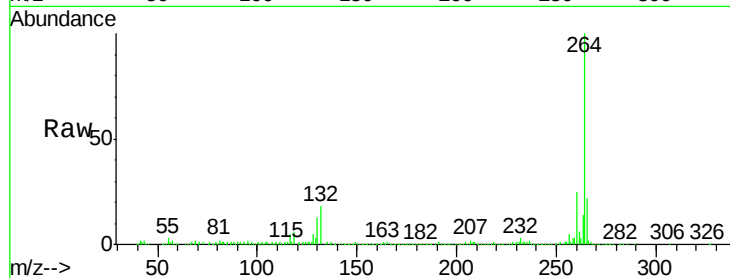


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02A-0-2FT

Tgt Ion: 264 Resp: 322352

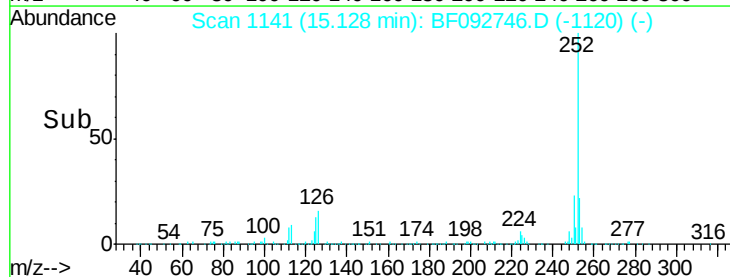
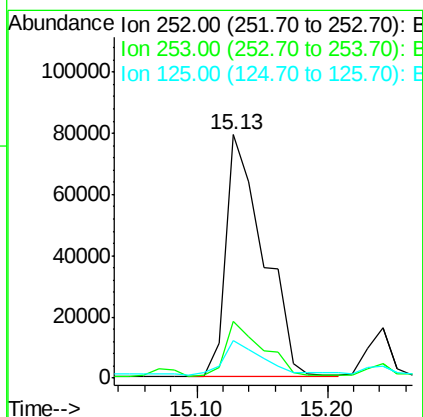
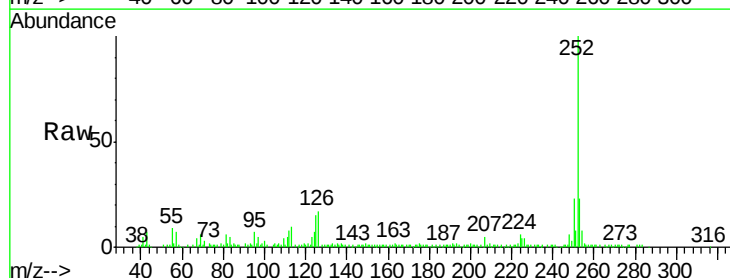
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.9	17.4	26.0

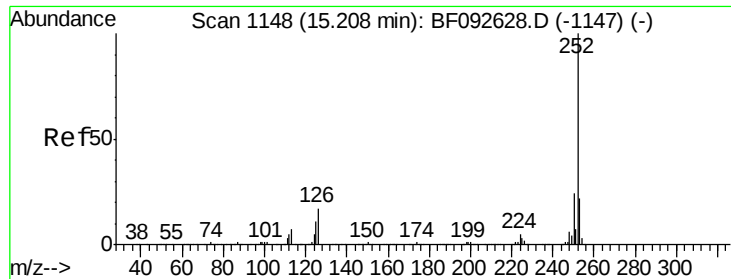


#87
Benzo(b)fluoranthene
Concen: 7.43 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.06 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Tgt Ion: 252 Resp: 157748

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	15.2	9.8	14.6#

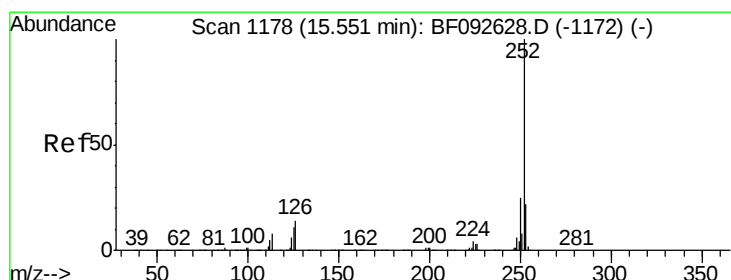
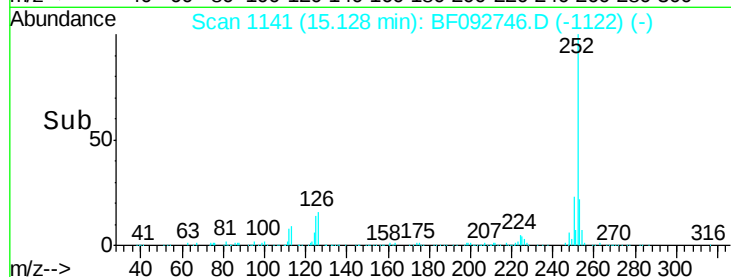
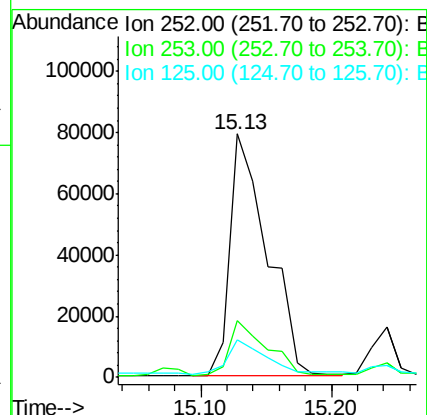
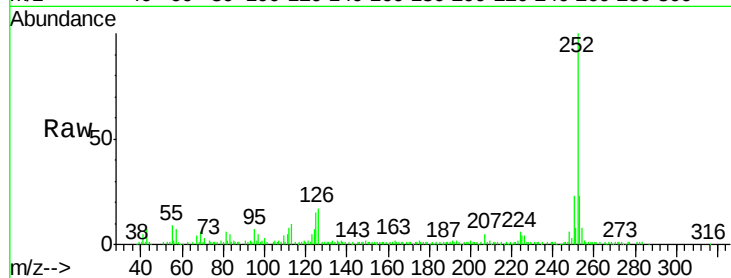




#88
Benzo(k)fluoranthene
Concen: 8.61 ng
RT: 15.13 min Scan# 1141
Delta R.T. -0.08 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

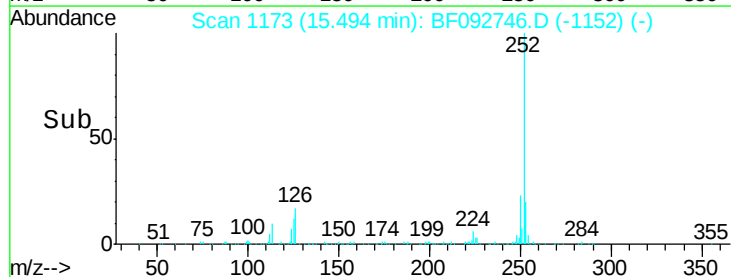
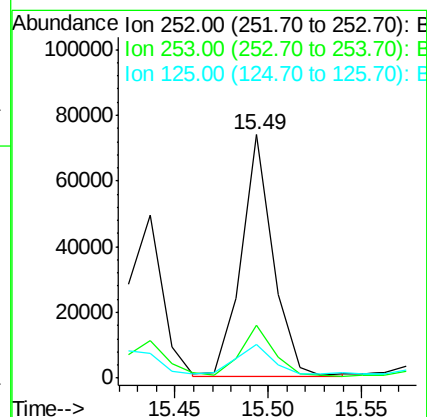
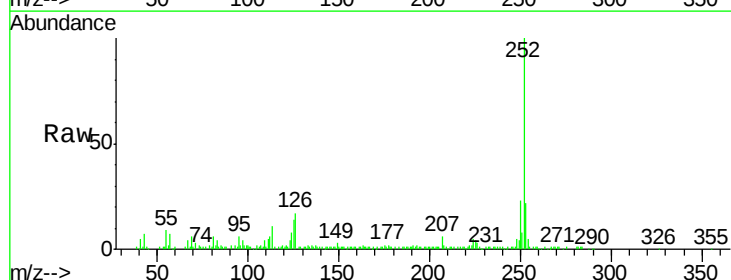
Instrument :
BNA_F
ClientSampleId :
SP-COMP-02A-0-2FT

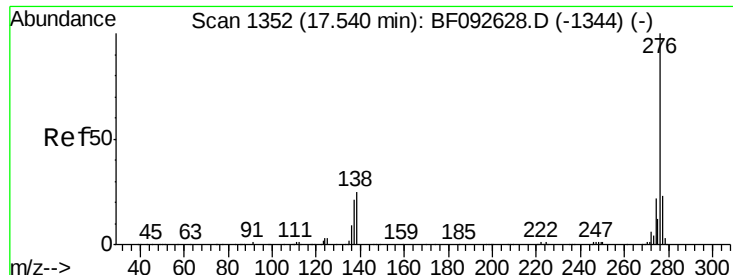
Tgt Ion:252 Resp: 157748
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 15.2 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 4.73 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF092746.D
Acq: 2 Feb 2017 20:20

Tgt Ion:252 Resp: 86844
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 13.7 10.0 15.0





#91
 Benzo(g,h,i)perylene
 Concen: 3.83 ng
 RT: 17.45 min Scan# 1344
 Delta R.T. -0.09 min
 Lab File: BF092746.D
 Acq: 2 Feb 2017 20:20

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02A-0-2FT

Tgt Ion: 276 Resp: 57411
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.2 28.8
 138 28.0 16.0 24.0#

