

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089262.D
 Acq On : 24 Jul 2016 6:05
 Operator : UM/SJ
 Sample : H4151-06
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

Quant Time: Jul 25 01:18:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

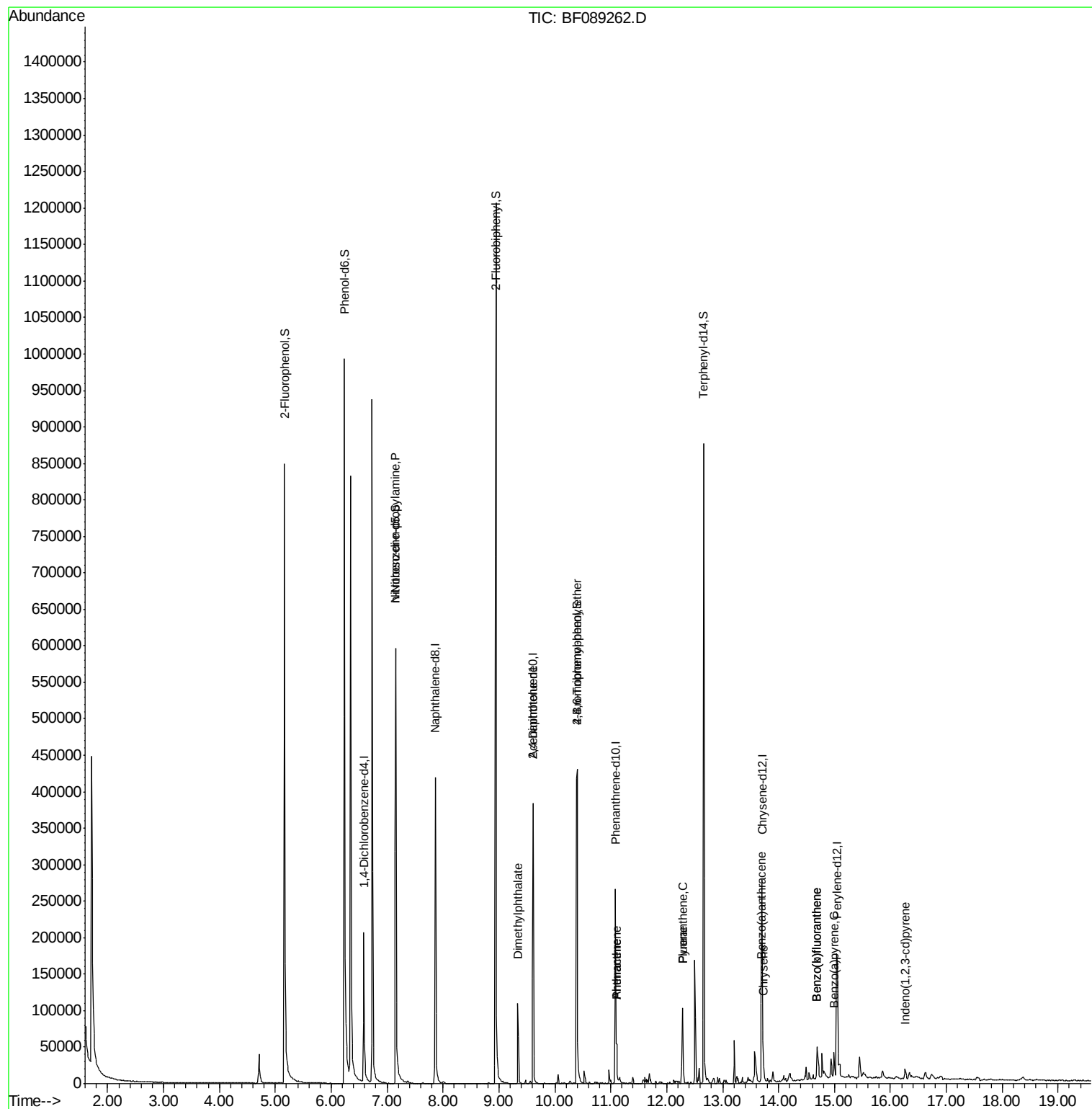
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	46788	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	214531	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	87682	20.00	ng	-0.02
63) Phenanthrene-d10	11.08	188	135019	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	96911	20.00	ng	-0.02
86) Perylene-d12	15.05	264	97073	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	360834	117.29	ng	-0.02
7) Phenol-d6	6.24	99	497268	125.34	ng	-0.03
23) Nitrobenzene-d5	7.15	82	300895	74.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	76621	97.06	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	523027	82.19	ng	-0.02
78) Terphenyl-d14	12.66	244	286537	64.13	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.24	77	658	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.15	70	38686	14.91 ng	#	79
49) Dimethylphthalate	9.34	163	59999	8.92 ng	#	96
56) 2,4-Dinitrotoluene	9.61	165	10718	5.48 ng	#	10
66) 4-Bromophenyl-phenylether	10.40	248	5281	3.95 ng	#	1
70) Phenanthrene	11.11	178	23076	3.12 ng		99
71) Anthracene	11.11	178	23076	3.00 ng		98
74) Fluoranthene	12.29	202	48386	6.22 ng		96
77) Pyrene	12.29	202	48386	6.05 ng		99
80) Benzo(a)anthracene	13.69	228	24011	3.89 ng		93
82) Chrysene	13.73	228	20214	3.43 ng		97
85) Indeno(1,2,3-cd)pyrene	16.26	276	10658	2.49 ng	#	90
87) Benzo(b)fluoranthene	14.69	252	37099	5.28 ng		99
88) Benzo(k)fluoranthene	14.69	252	37099	7.38 ng	#	93
89) Benzo(a)pyrene	14.99	252	17486	3.20 ng		95

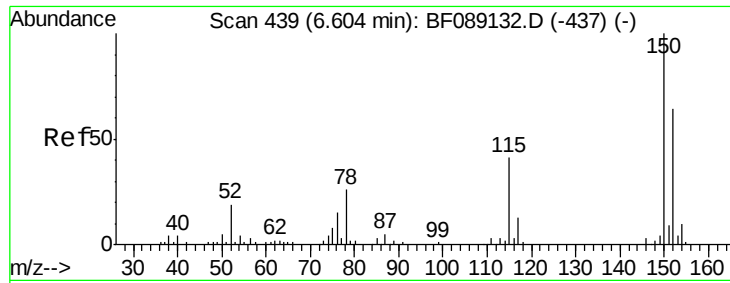
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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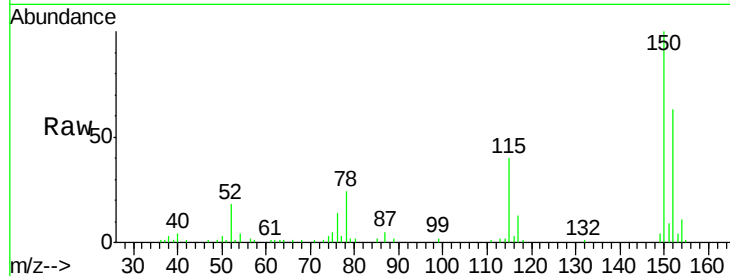


#1

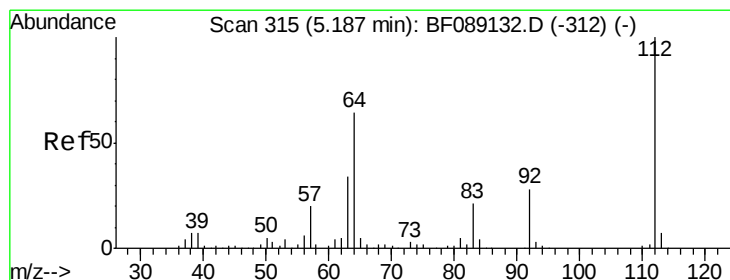
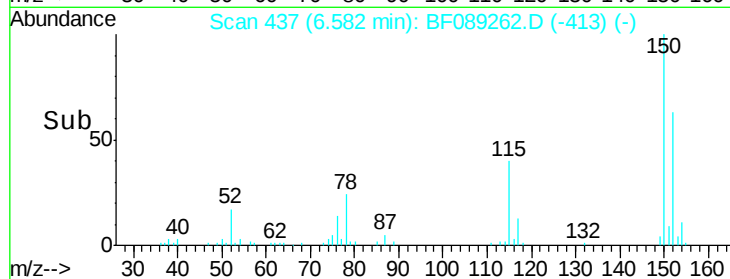
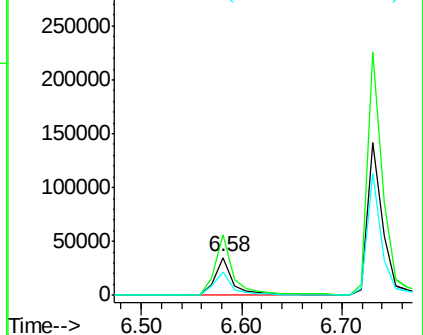
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

Tgt Ion:152 Resp: 46788
Ion Ratio Lower Upper
152 100
150 158.8 125.1 187.7
115 63.0 51.1 76.7



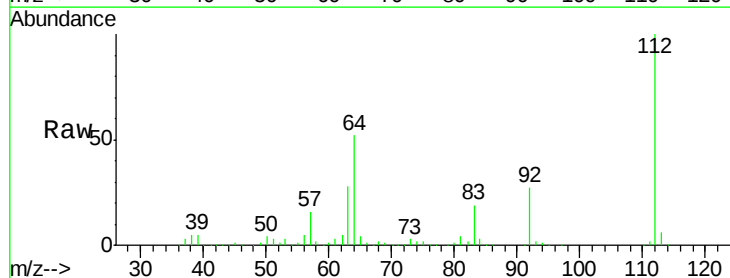
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



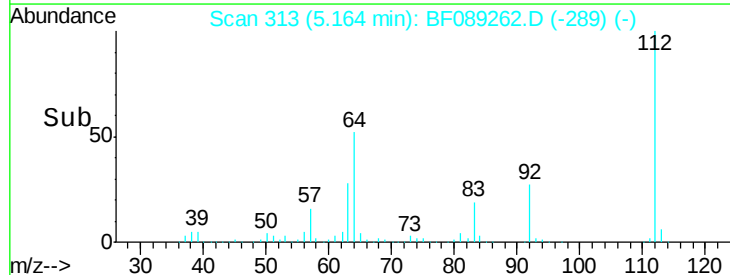
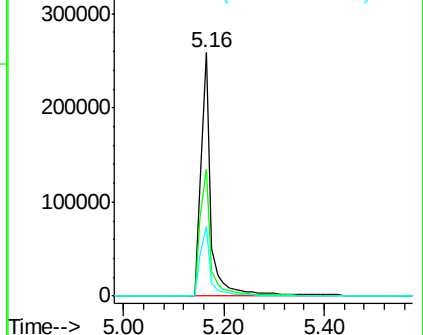
#5

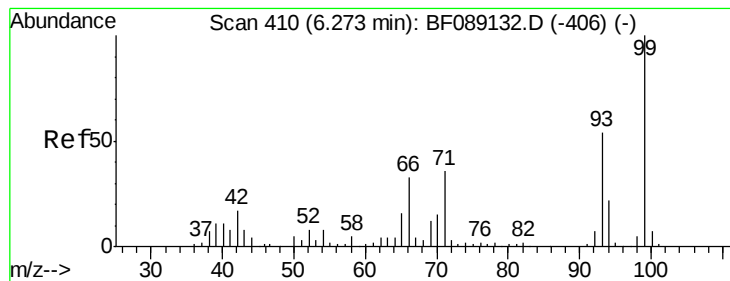
2-Fluorophenol
Concen: 117.29 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.02 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Tgt Ion:112 Resp: 360834
Ion Ratio Lower Upper
112 100
64 52.5 51.0 76.4
63 28.4 27.3 40.9



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: 125.34 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

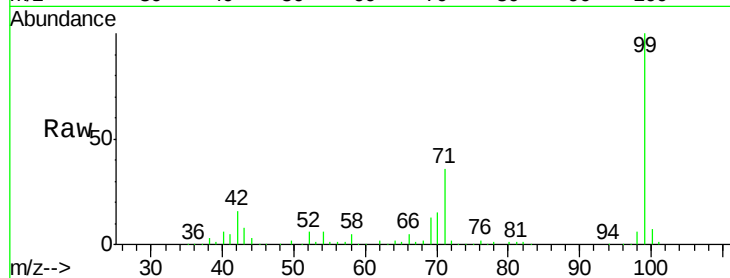
Tgt Ion: 99 Resp: 497268

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

71 35.9 28.9 43.3



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

500000

400000

300000

200000

100000

0

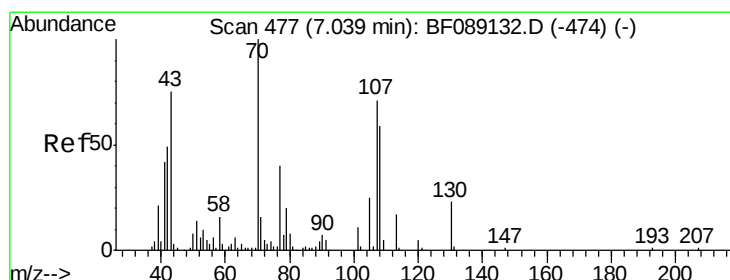
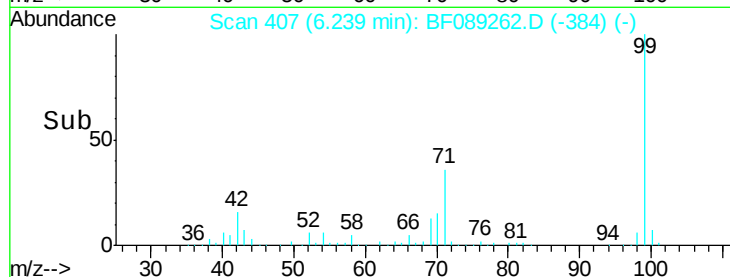
6.24

6.20

6.40

6.60

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.91 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.11 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Tgt Ion: 70 Resp: 38686

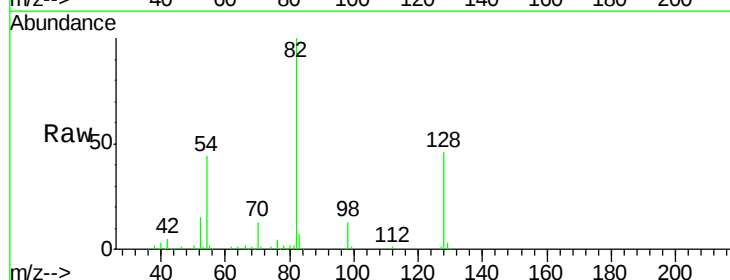
Ion Ratio Lower Upper

70 100

42 42.5 39.2 58.8

101 0.0 8.5 12.7#

130 2.5 18.4 27.6#



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

40000

30000

20000

10000

0

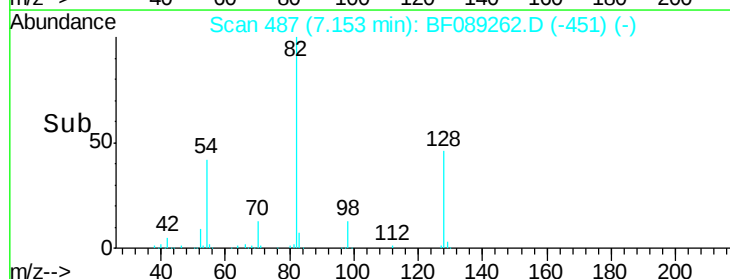
7.15

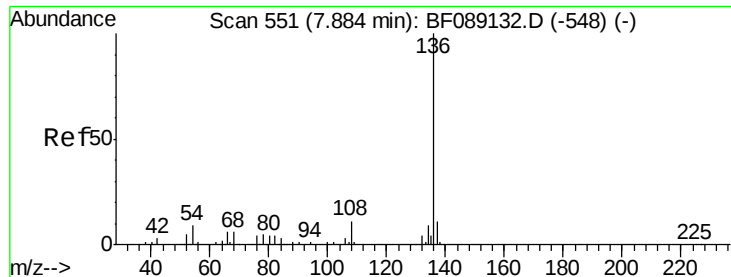
7.10

7.20

7.30

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

Tgt Ion:136 Resp: 214531

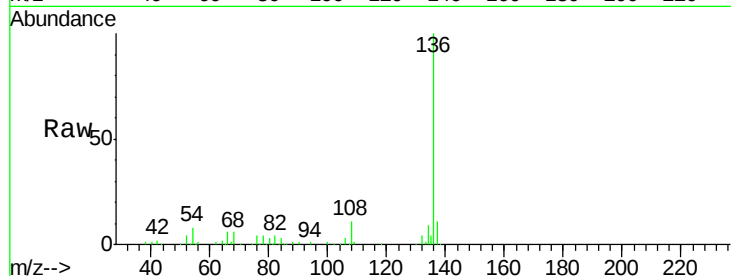
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.6 7.0 10.4

68 5.9 5.0 7.6

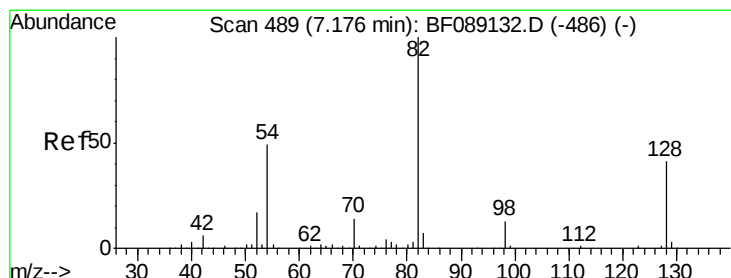
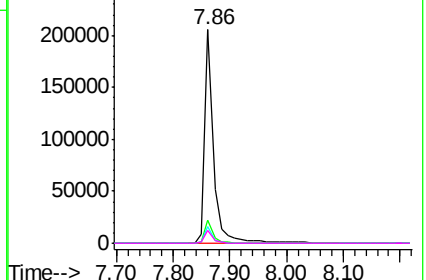
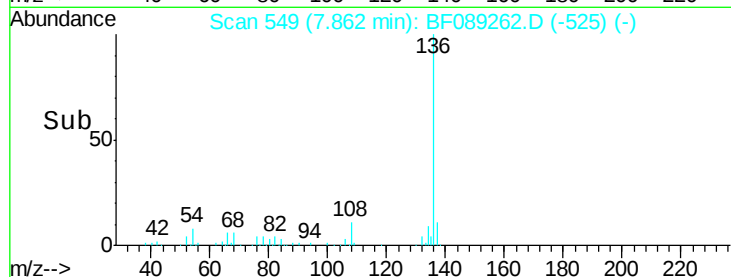


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 74.52 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

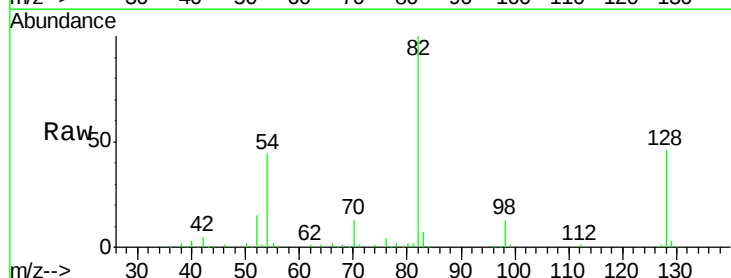
Tgt Ion: 82 Resp: 300895

Ion Ratio Lower Upper

82 100

128 46.3 33.0 49.6

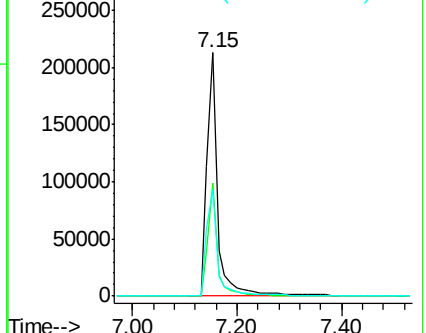
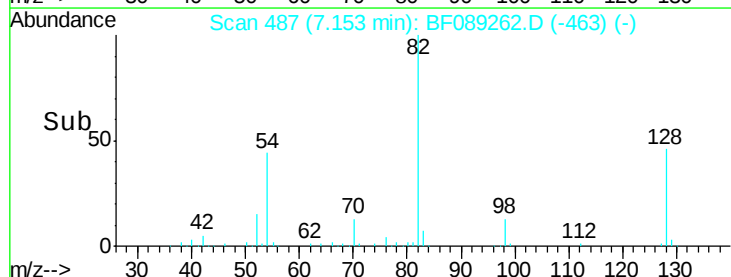
54 43.7 39.0 58.4

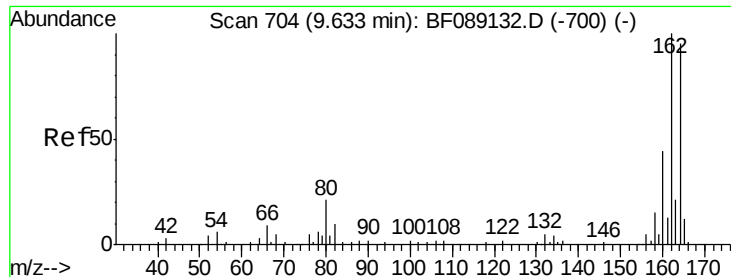


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

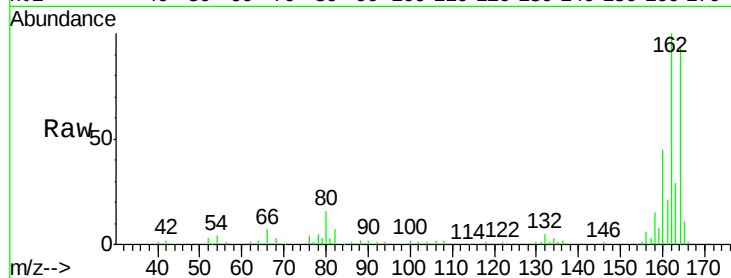
Tgt Ion:164 Resp: 87682

Ion Ratio Lower Upper

164 100

162 106.4 84.1 126.1

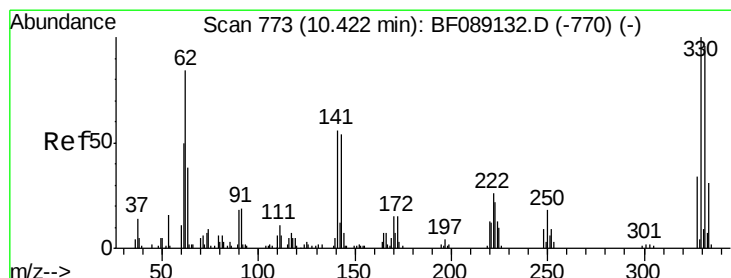
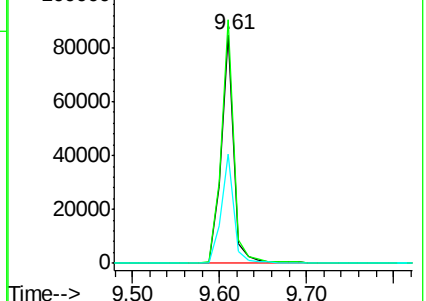
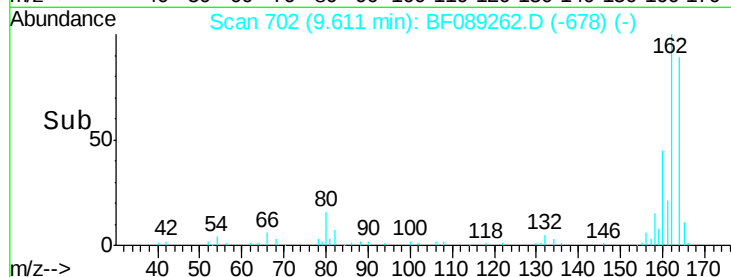
160 47.6 37.1 55.7



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: 97.06 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

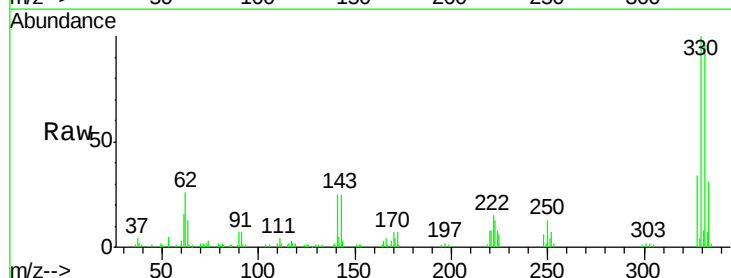
Tgt Ion:330 Resp: 76621

Ion Ratio Lower Upper

330 100

332 95.5 77.2 115.8

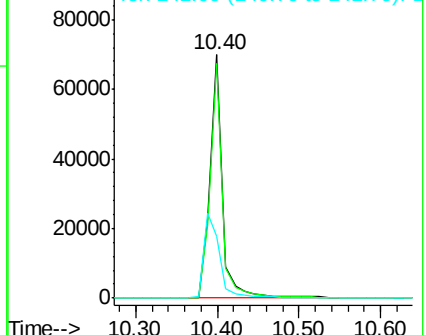
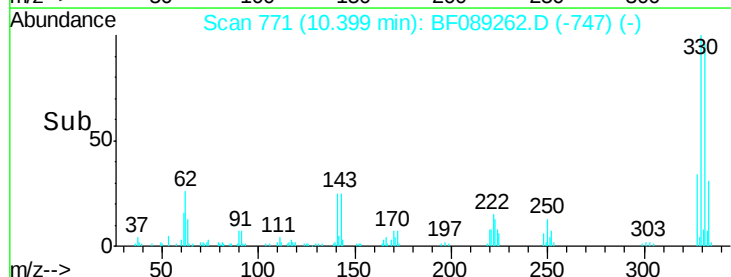
141 43.6 42.2 63.2

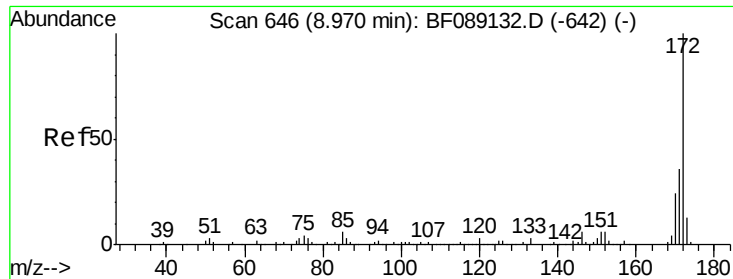


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

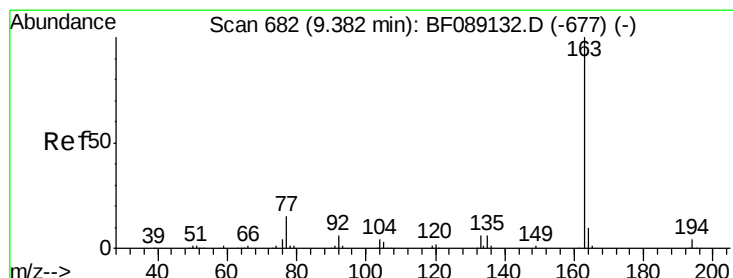
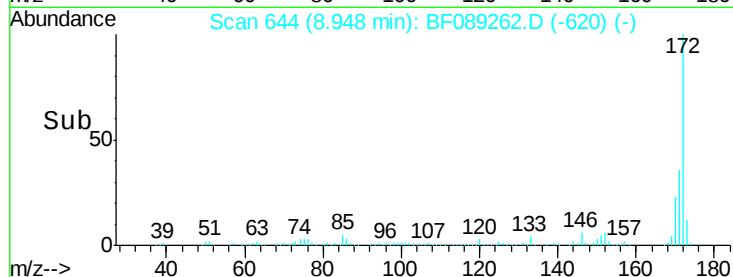
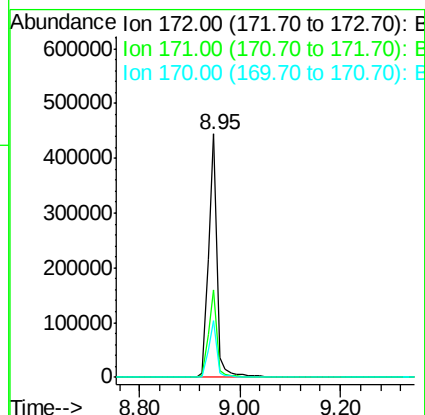
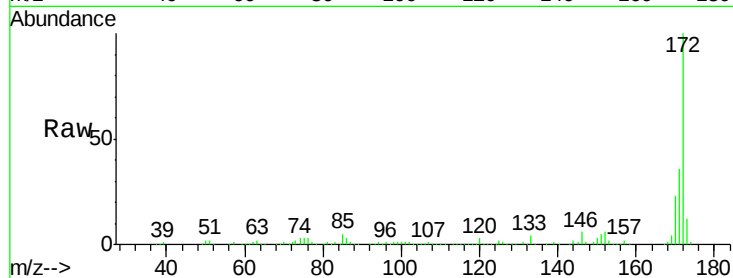




#44
2-Fluorobiphenyl
Concen: 82.19 ng
RT: 8.95 min Scan# 644
Delta R.T. -0.02 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

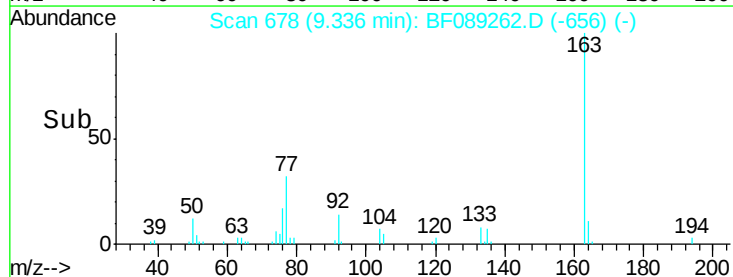
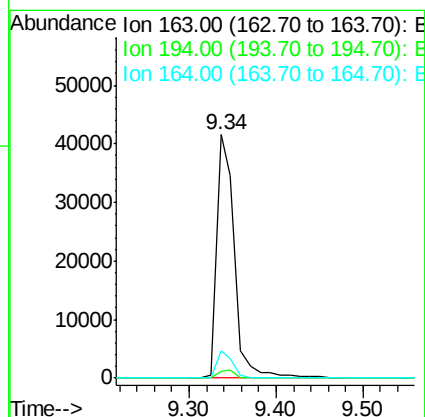
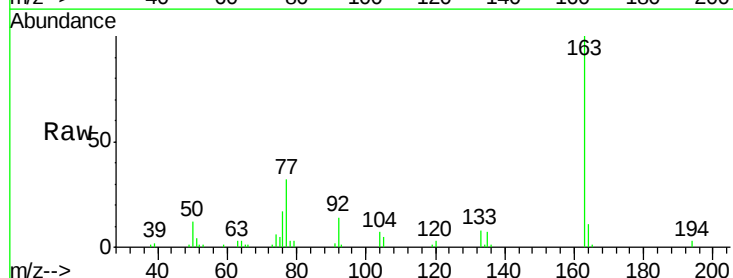
Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

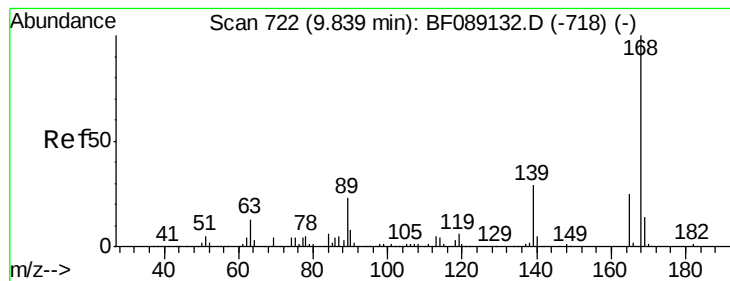
Tgt Ion:172 Resp: 523027
Ion Ratio Lower Upper
172 100
171 35.9 29.2 43.8
170 23.5 19.1 28.7



#49
Dimethylphthalate
Concen: 8.92 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Tgt Ion:163 Resp: 59999
Ion Ratio Lower Upper
163 100
194 2.9 2.9 4.3#
164 11.0 7.6 11.4





#56

2,4-Dinitrotoluene

Concen: 5.48 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.23 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

Tgt Ion:165 Resp: 10718

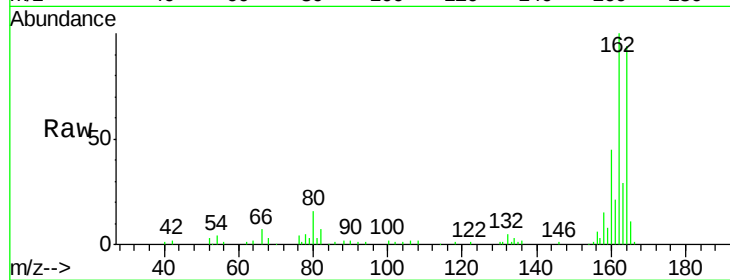
Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.2#

89 0.0 74.3 111.5#

182 0.0 2.0 3.0#

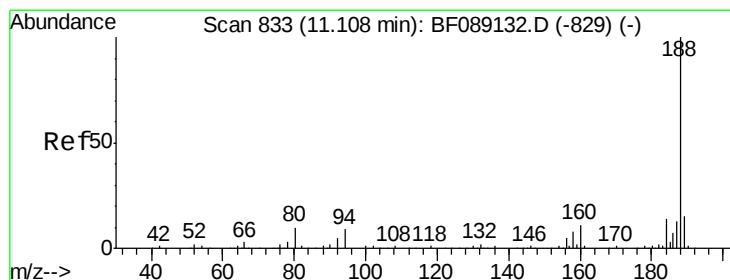
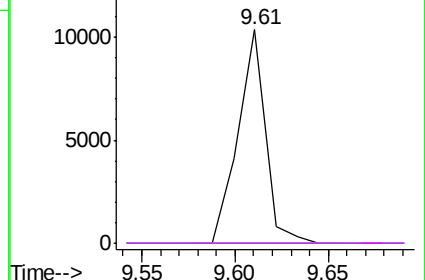
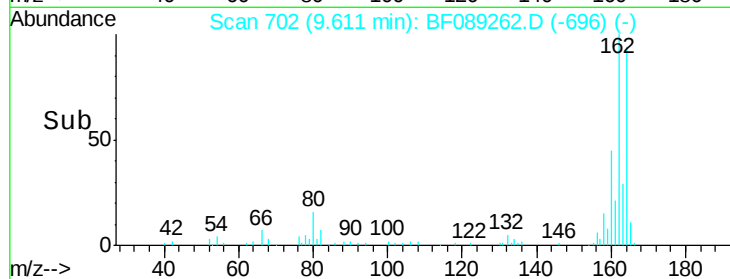


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

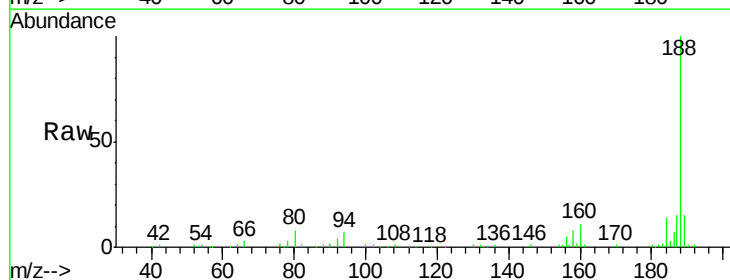
Tgt Ion:188 Resp: 135019

Ion Ratio Lower Upper

188 100

94 7.3 7.0 10.4

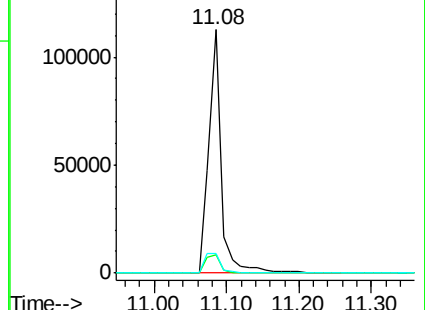
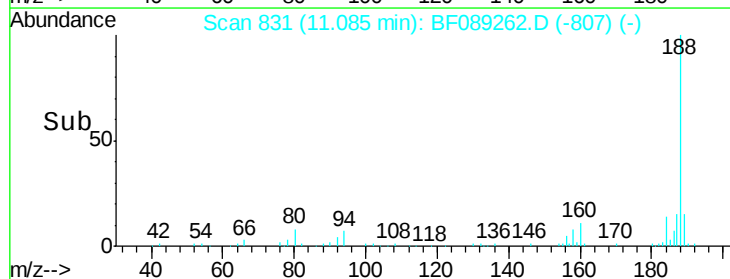
80 8.0 7.7 11.5

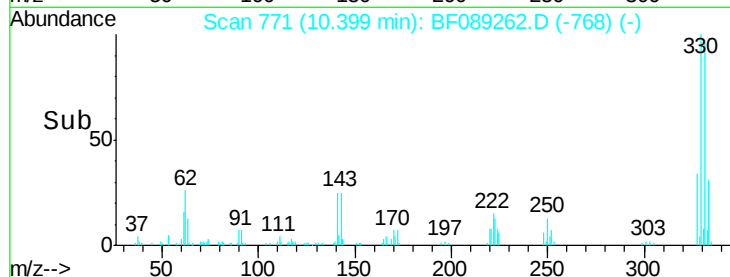
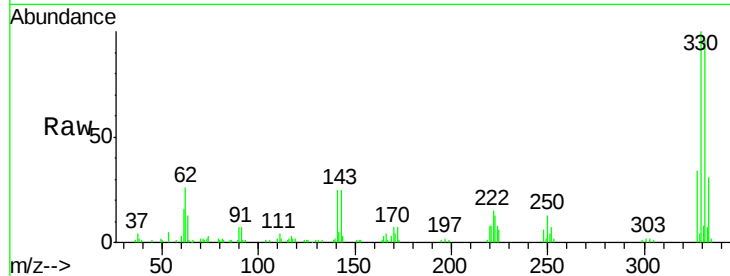
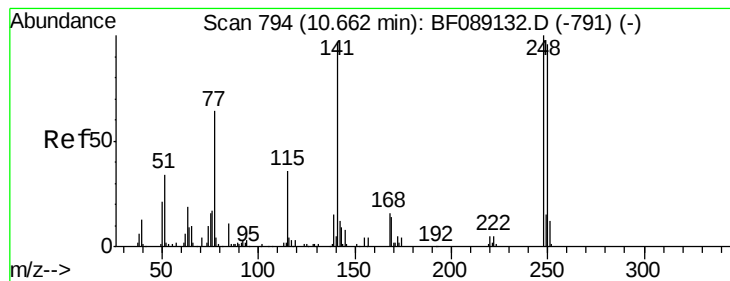


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.95 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.26 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

Tgt Ion:248 Resp: 5281

Ion Ratio Lower Upper

248 100

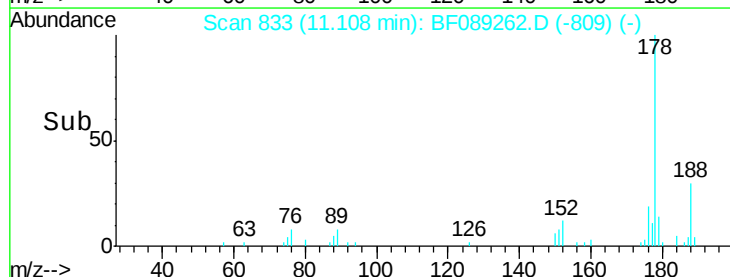
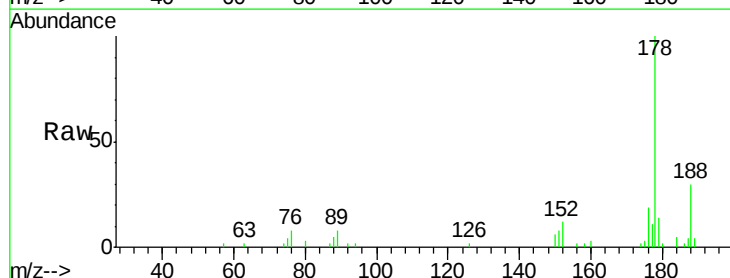
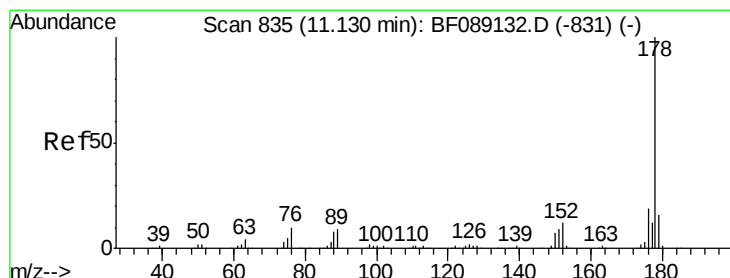
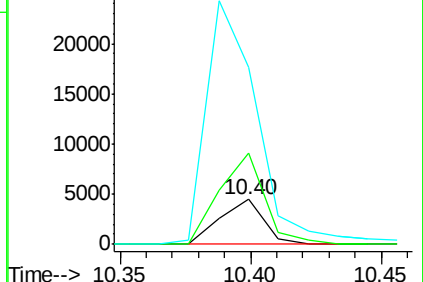
250 204.4 76.9 115.3#

141 395.4 77.4 116.2#

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: 3.12 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Tgt Ion:178 Resp: 23076

Ion Ratio Lower Upper

178 100

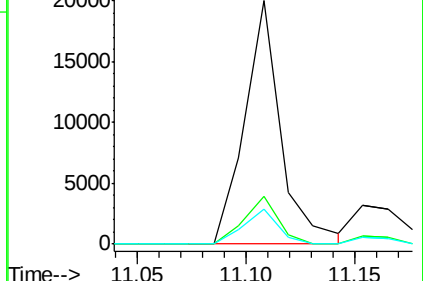
176 19.4 15.6 23.4

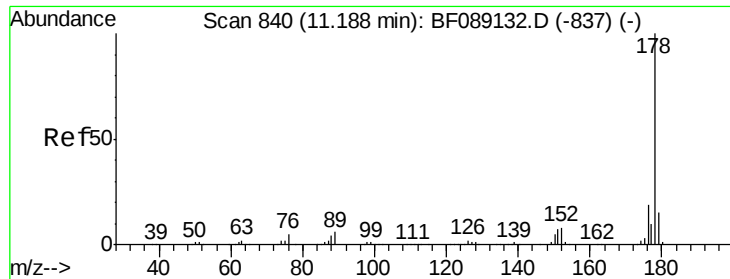
179 14.4 12.4 18.6

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

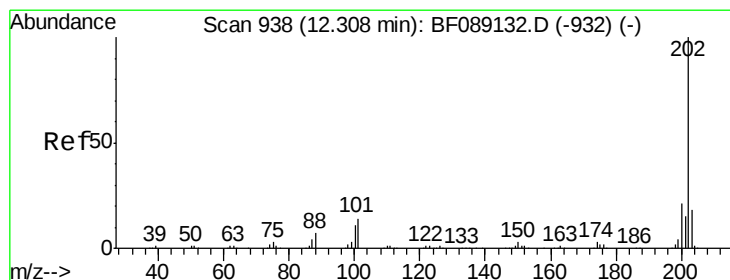
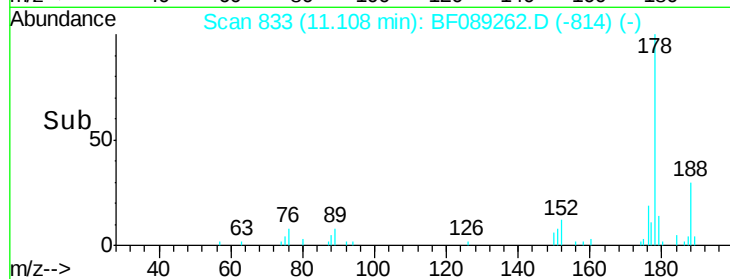
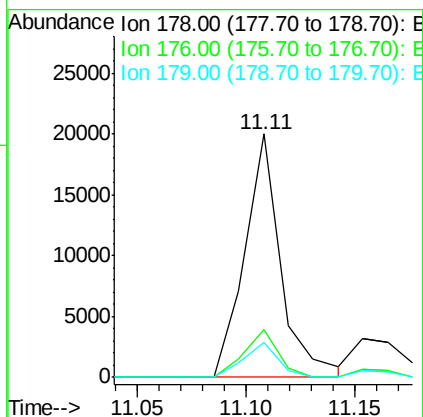
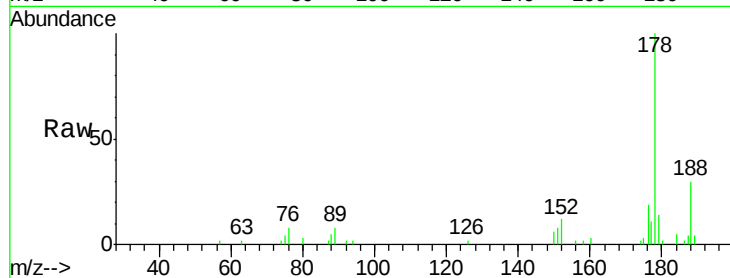




#71
 Anthracene
 Concen: 3.00 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.08 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

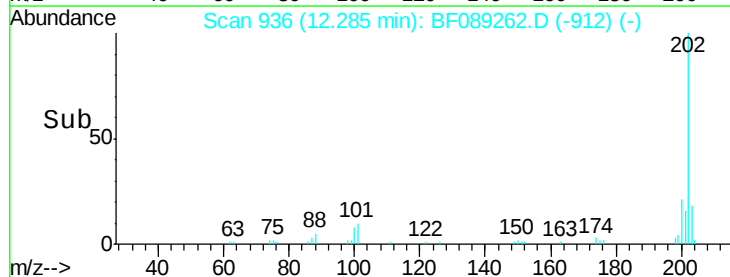
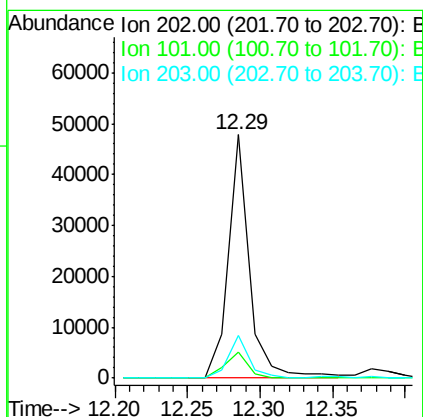
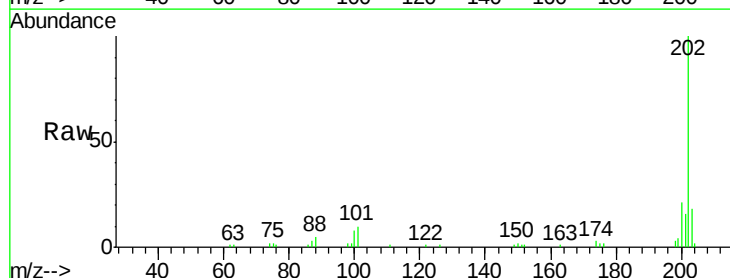
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

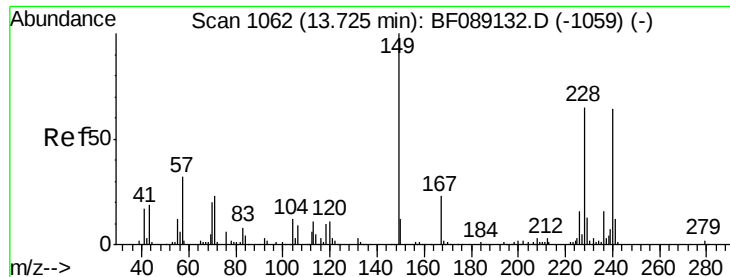
Tgt Ion:178 Resp: 23076
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.9 22.3
 179 14.4 12.0 18.0



#74
 Fluoranthene
 Concen: 6.22 ng
 RT: 12.29 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Tgt Ion:202 Resp: 48386
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 34.0
 203 17.5 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

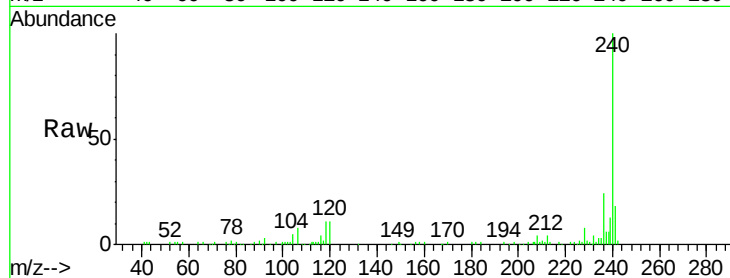
Tgt Ion:240 Resp: 96911

Ion Ratio Lower Upper

240 100

120 11.4 13.6 20.4#

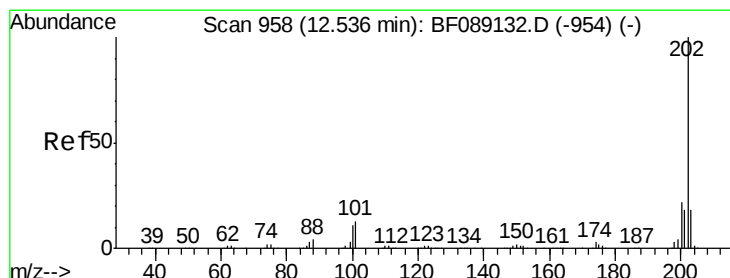
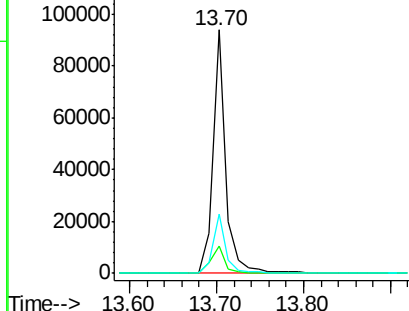
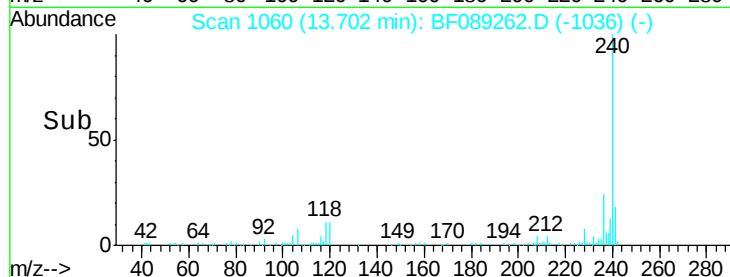
236 24.2 20.5 30.7



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: 6.05 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.25 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

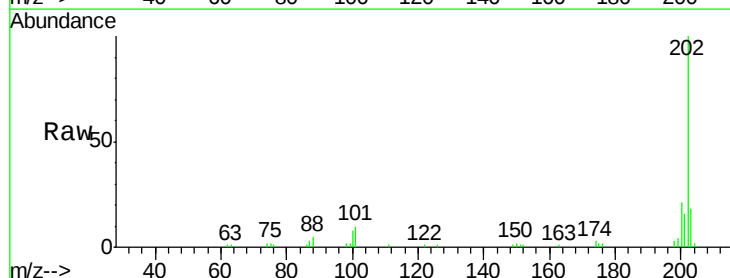
Tgt Ion:202 Resp: 48386

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.0

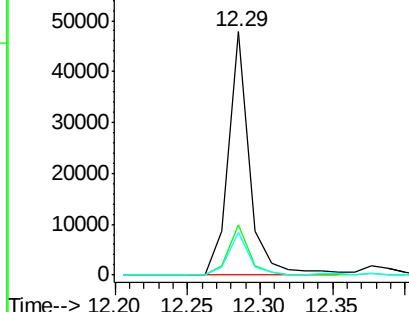
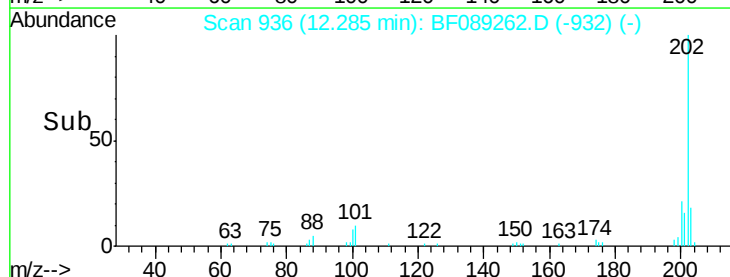
203 17.5 14.2 21.2

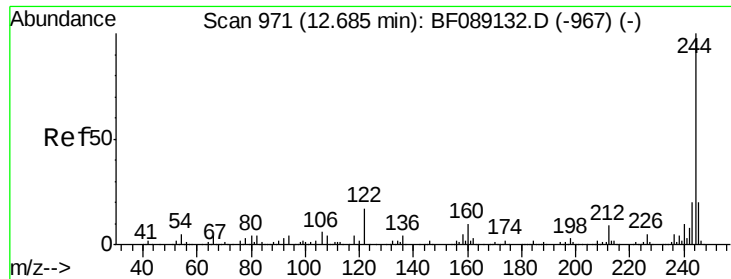


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

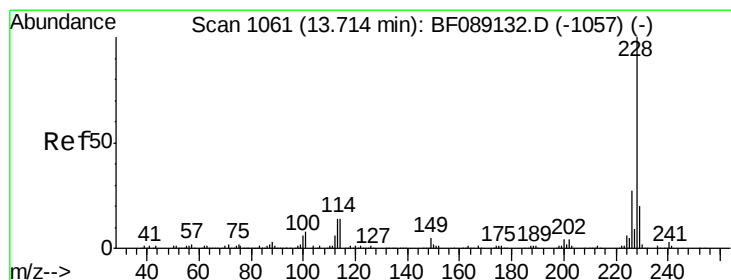
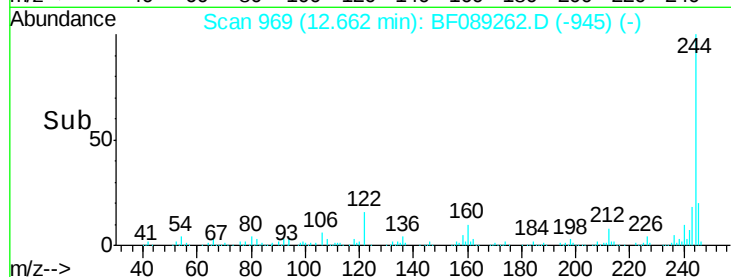
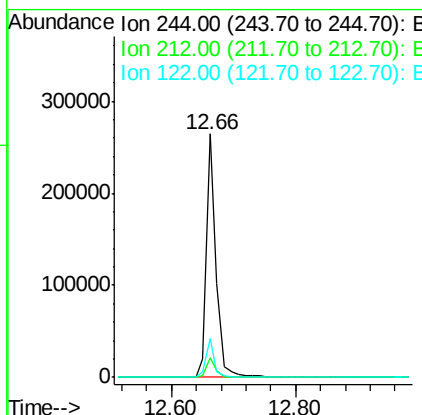
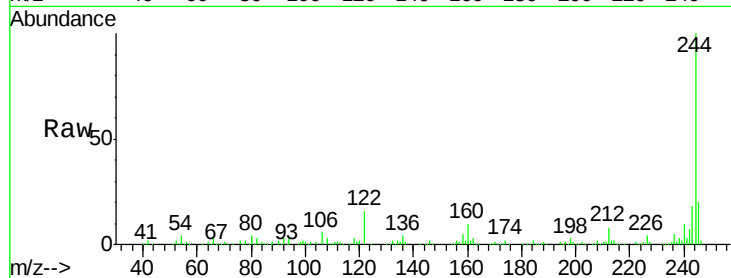




#78
 Terphenyl-d14
 Concen: 64.13 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.02 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

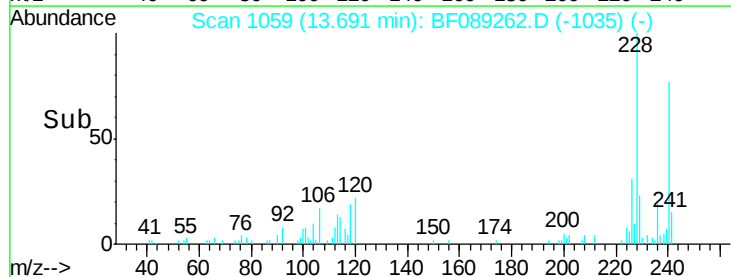
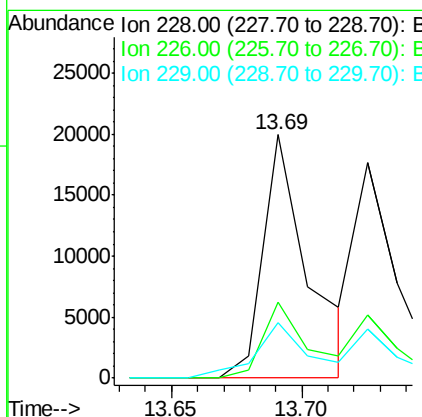
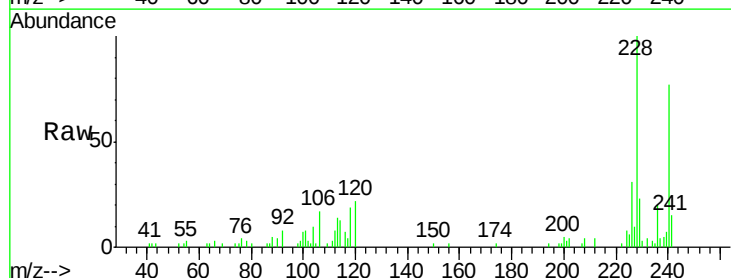
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-COMP

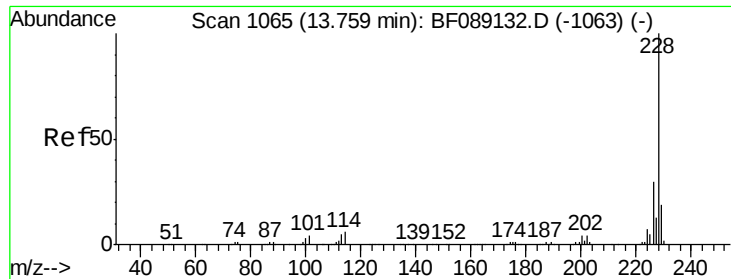
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	15.7	13.8	20.8



#80
 Benzo(a)anthracene
 Concen: 3.89 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.02 min
 Lab File: BF089262.D
 Acq: 24 Jul 2016 6:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.8	32.8
229	23.0	15.8	23.8





#82

Chrysene

Concen: 3.43 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

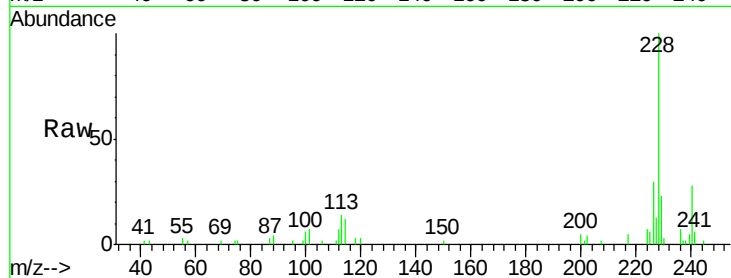
Tgt Ion:228 Resp: 20214

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

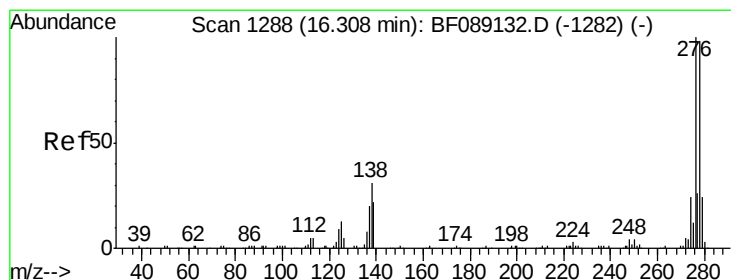
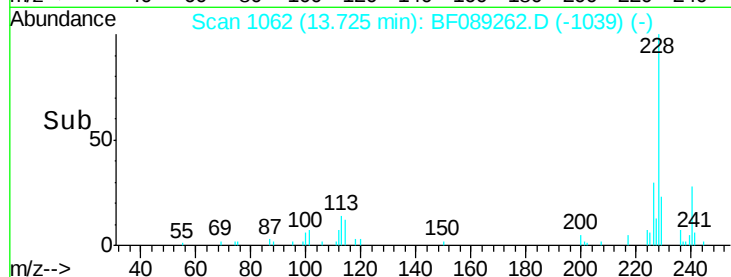
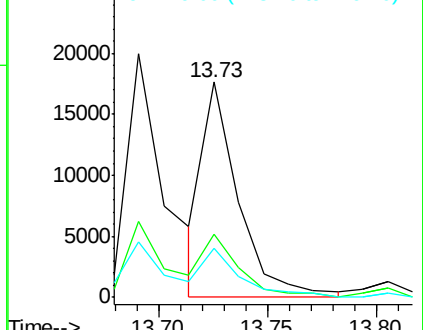
229 22.6 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.49 ng

RT: 16.26 min Scan# 1284

Delta R.T. -0.05 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

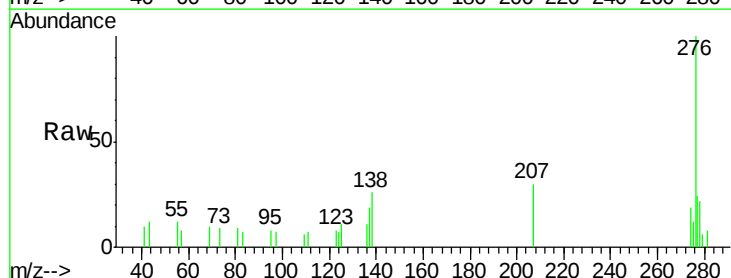
Tgt Ion:276 Resp: 10658

Ion Ratio Lower Upper

276 100

138 23.3 23.7 35.5#

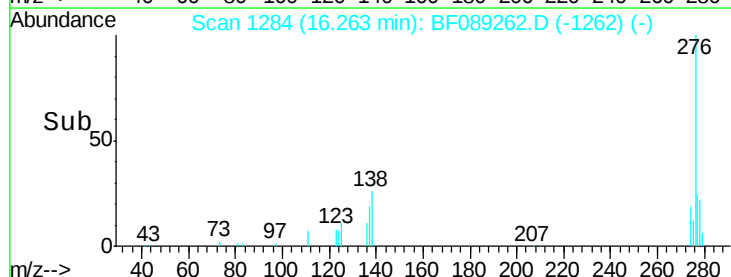
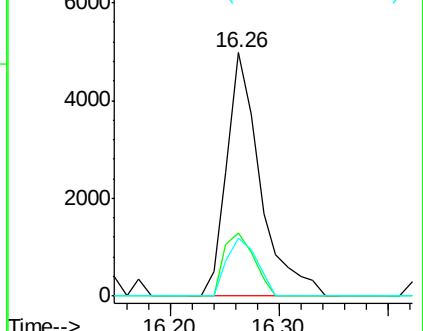
277 21.3 20.6 31.0

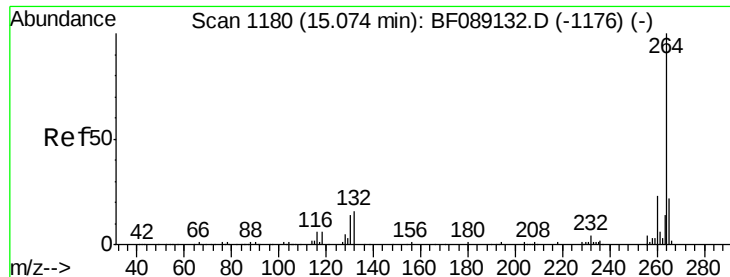


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

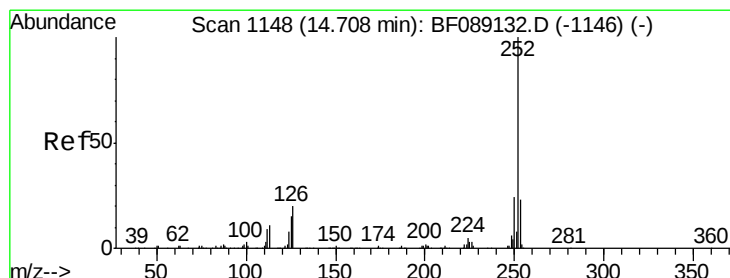
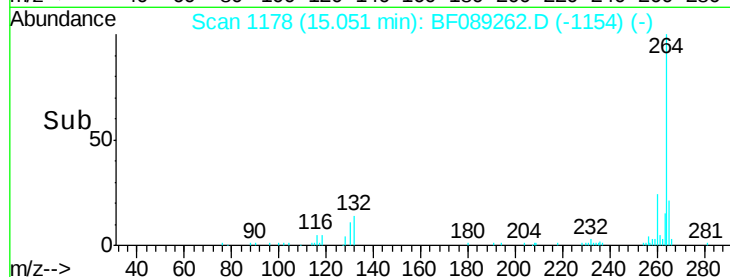
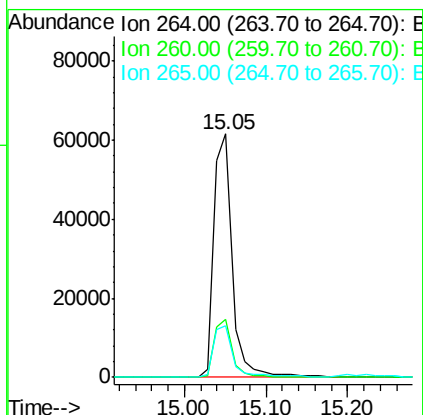
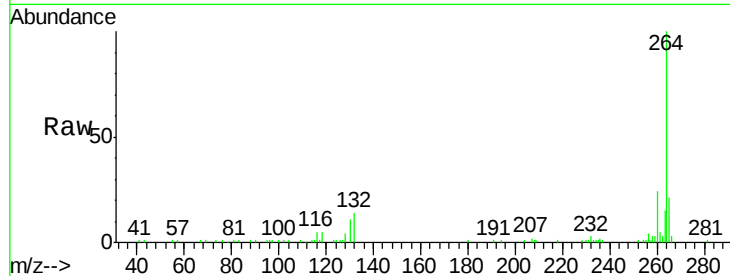




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

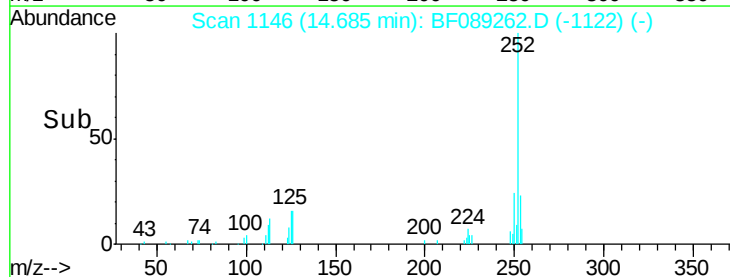
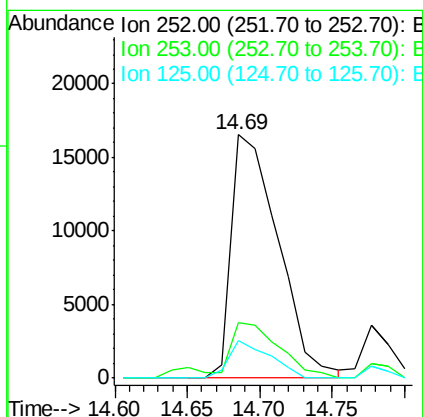
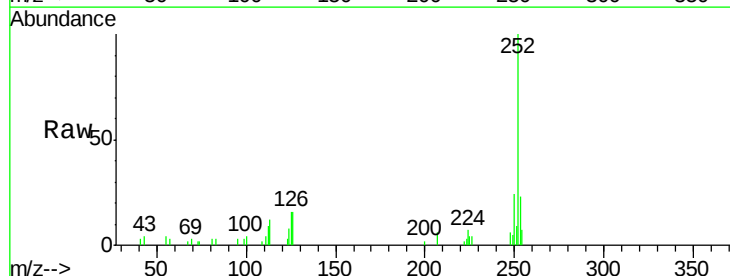
Instrument :
BNA_F
ClientSampleId :
SB-07-COMP

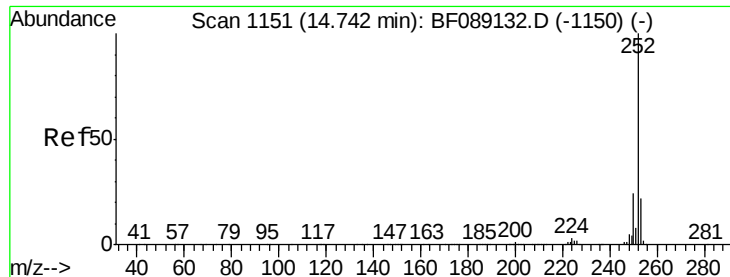
Tgt Ion:264 Resp: 97073
Ion Ratio Lower Upper
264 100
260 23.9 18.5 27.7
265 21.3 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 5.28 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF089262.D
Acq: 24 Jul 2016 6:05

Tgt Ion:252 Resp: 37099
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 15.6 11.9 17.9





#88

Benzo(k)fluoranthene

Concen: 7.38 ng

RT: 14.69 min Scan# 1146

Delta R.T. -0.06 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

Instrument :

BNA_F

ClientSampleId :

SB-07-COMP

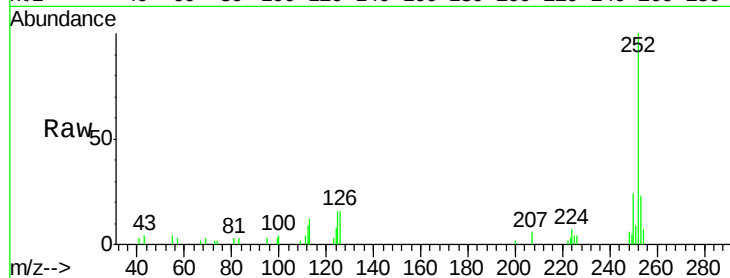
Tgt Ion:252 Resp: 37099

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

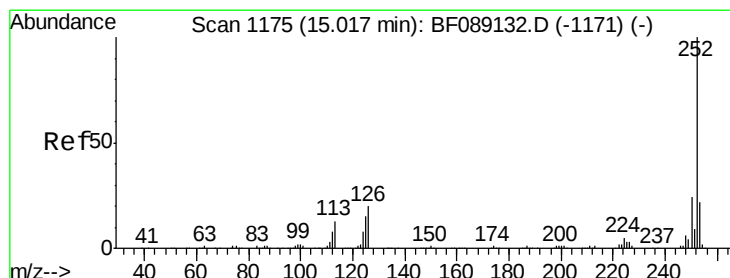
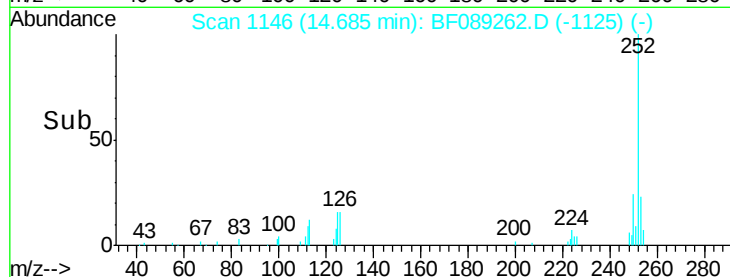
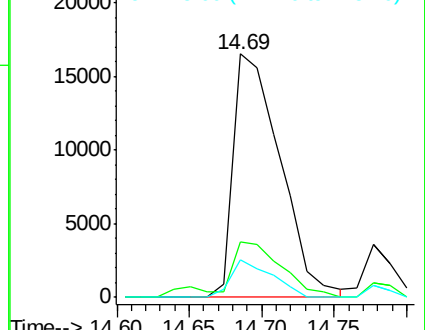
125 15.6 6.3 9.5#



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



#89

Benzo(a)pyrene

Concen: 3.20 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF089262.D

Acq: 24 Jul 2016 6:05

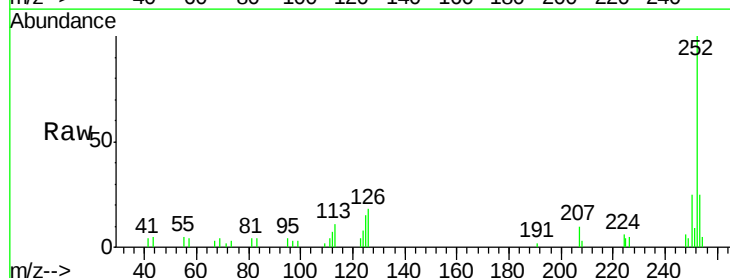
Tgt Ion:252 Resp: 17486

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 14.8 12.4 18.6



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

