

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098587.D
 Acq On : 15 Sep 2017 23:50
 Operator : SJ/JU
 Sample : I5231-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116B(0-5)COMP

Quant Time: Sep 16 01:53:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

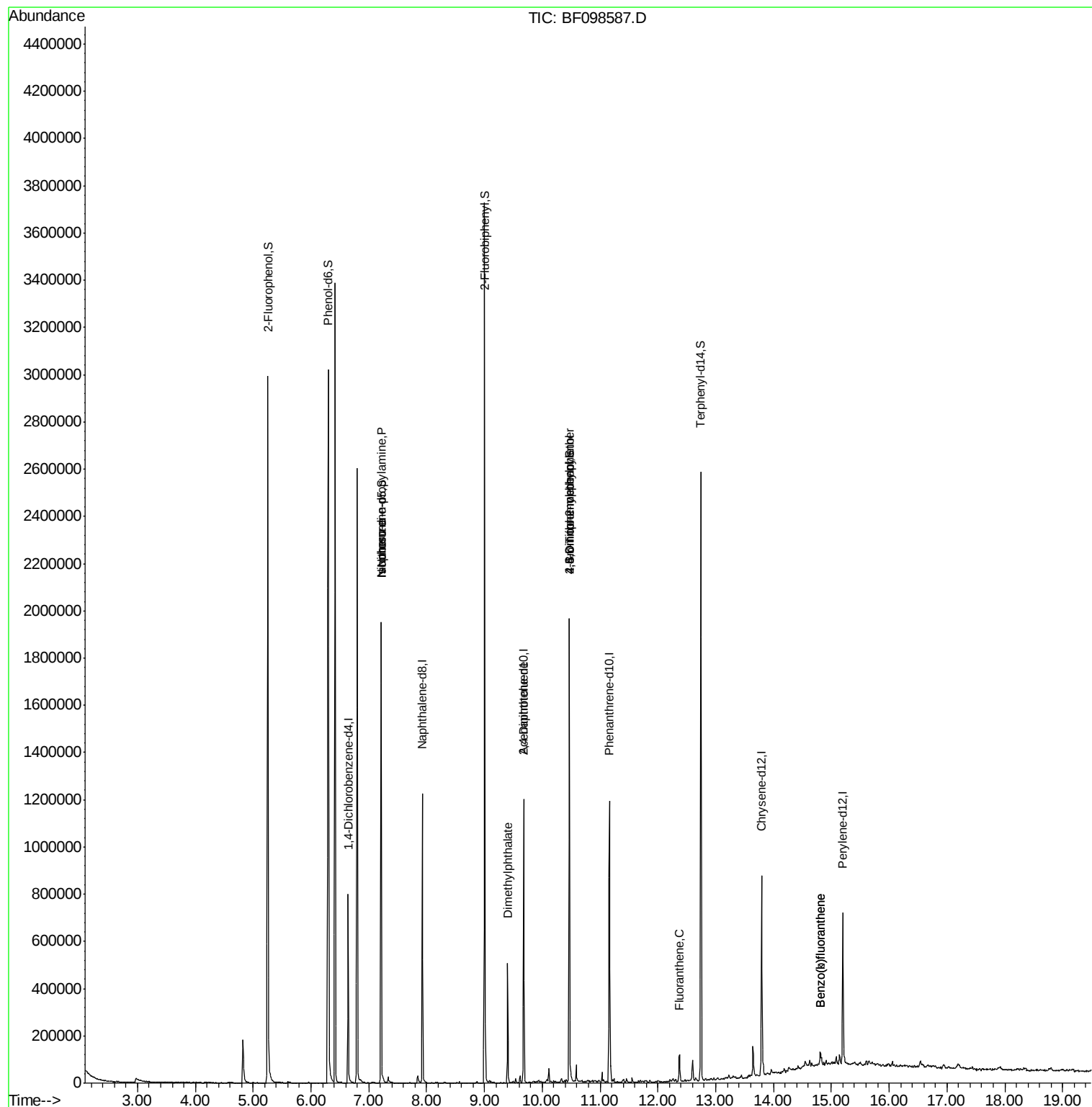
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	115421	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	510279	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	231137	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	399165	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	244542	20.00	ng	-0.02
86) Perylene-d12	15.20	264	240753	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	819566	104.99	ng	-0.02
7) Phenol-d6	6.30	99	1070122	107.97	ng	-0.02
23) Nitrobenzene-d5	7.22	82	630619	68.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	197952	128.32	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1109274	81.34	ng	-0.03
78) Terphenyl-d14	12.74	244	762435	67.30	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	85422	13.701	ng	# 82
25) Isophorone	7.22	82	628713	33.950	ng	# 67
49) Dimethylphthalate	9.40	163	199313	11.140	ng	# 98
56) 2,4-Dinitrotoluene	9.68	165	29759	6.660	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.47	198	351	5.093	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	14553	3.841	ng	# 1
74) Fluoranthene	12.37	202	46715	2.205	ng	# 97
87) Benzo(b)fluoranthene	14.81	252	35520	2.346	ng	# 95
88) Benzo(k)fluoranthene	14.81	252	35520	2.513	ng	# 100

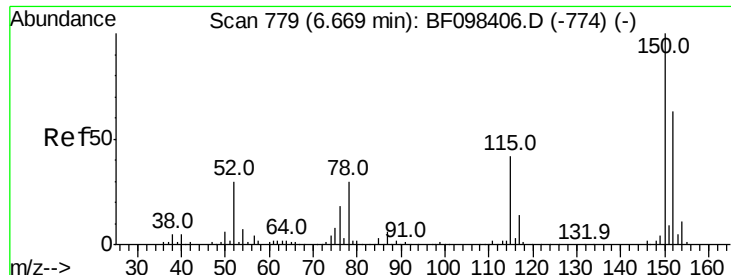
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
Data File : BF098587.D
Acq On : 15 Sep 2017 23:50
Operator : SJ/JU
Sample : I5231-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116B(0-5)COMP

Quant Time: Sep 16 01:53:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration



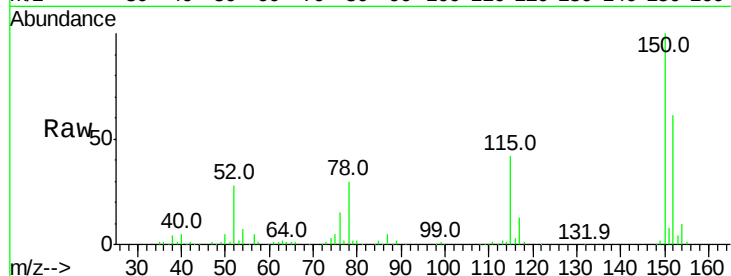


#1

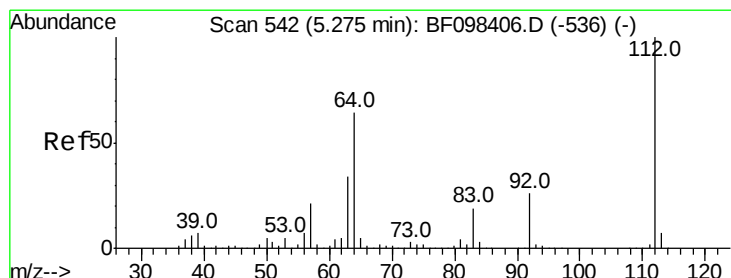
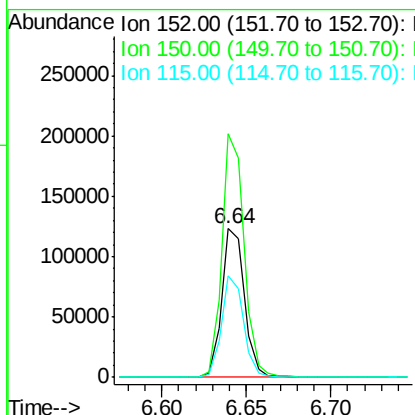
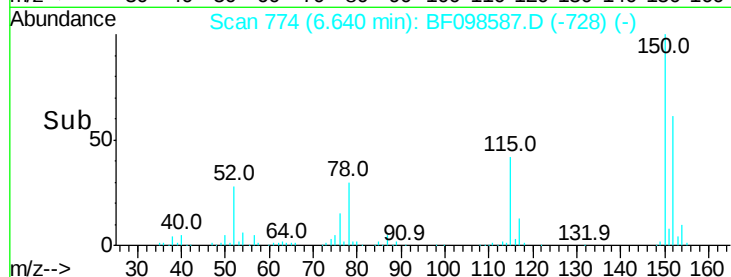
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.64 min Scan# 774
 Delta R.T. -0.03 min
 Lab File: BF098587.D
 Acq: 15 Sep 2017 23:50

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116B(0-5)COMP

Tot Ion:152 Resp: 115421
 Ion Ratio Lower Upper
 152 100
 150 163.9 126.2 189.2
 115 68.4 52.2 78.2



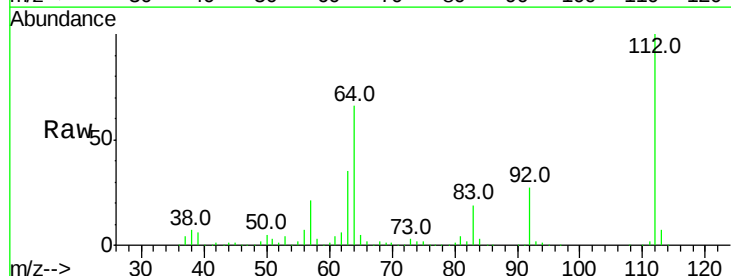
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



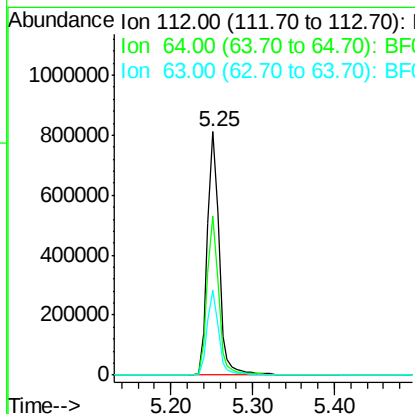
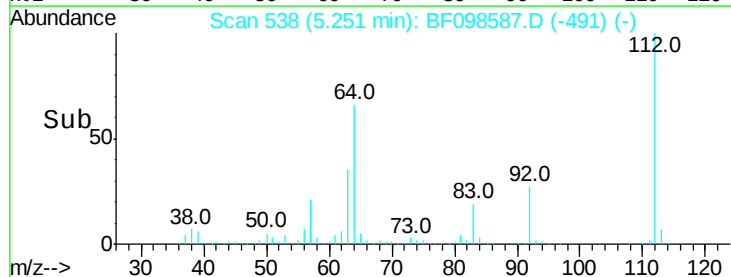
#5

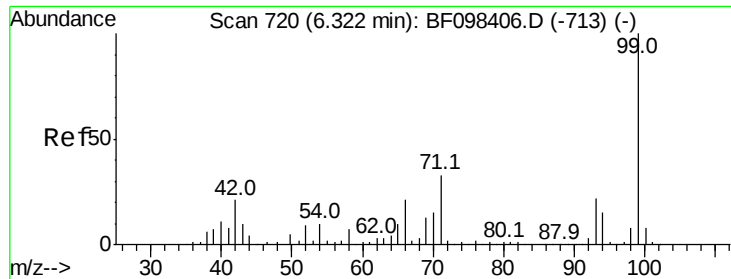
2-Fluorophenol
 Concen: 104.985 ng
 RT: 5.25 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: BF098587.D
 Acq: 15 Sep 2017 23:50

Tgt Ion:112 Resp: 819566
 Ion Ratio Lower Upper
 112 100
 64 65.5 46.0 69.0
 63 34.6 23.4 35.0



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: 107.966 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-116B(0-5)COMP

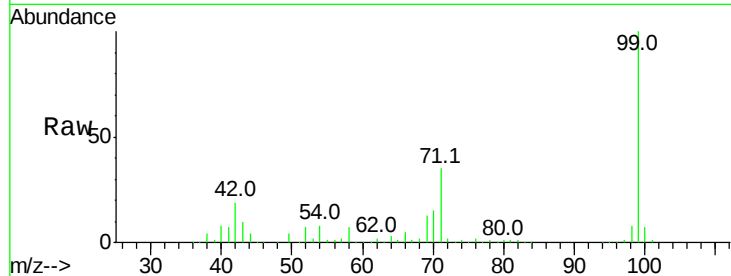
Tot Ion: 99 Resp: 1070122

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

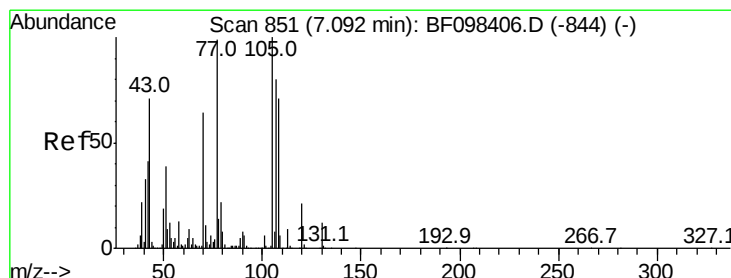
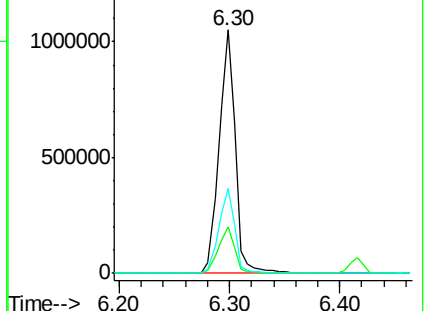
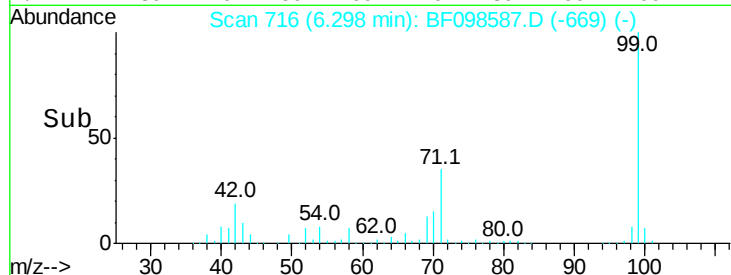
71 35.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.701 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.12 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

Tgt Ion: 70 Resp: 85422

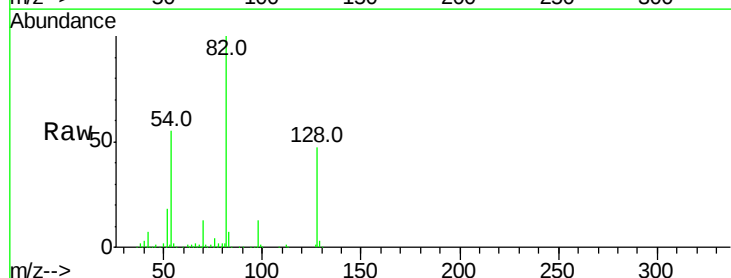
Ion Ratio Lower Upper

70 100

42 51.3 47.2 70.8

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

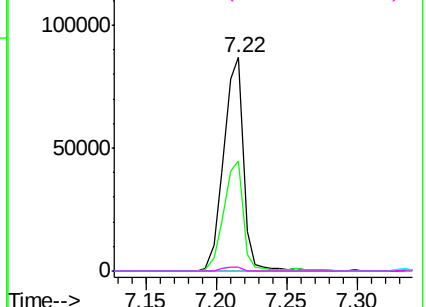
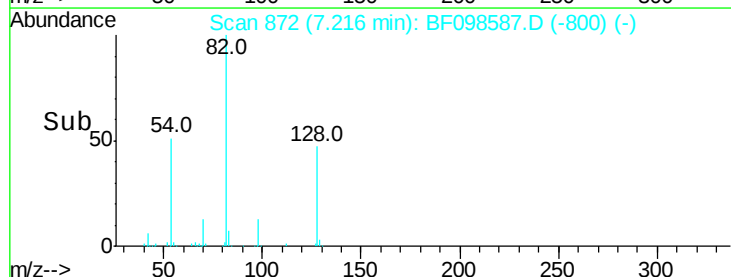


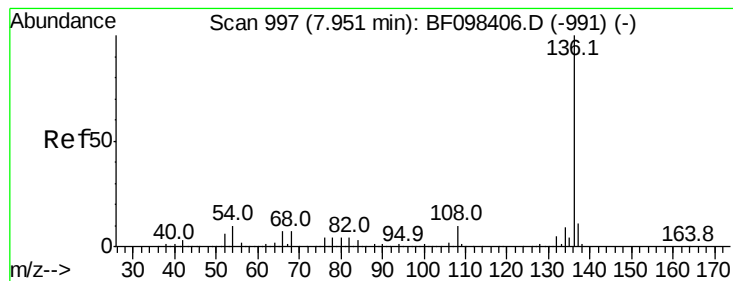
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-116B(0-5)COMP

Tot Ion:136 Resp: 510279

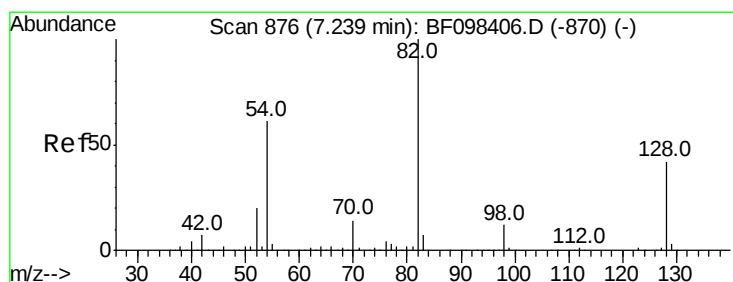
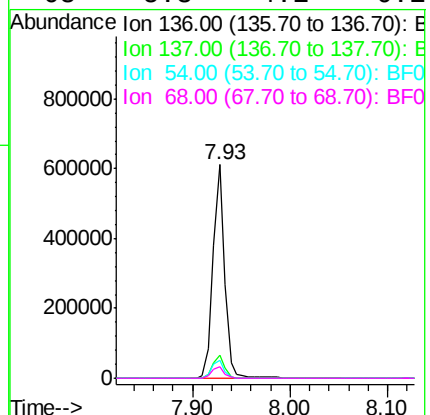
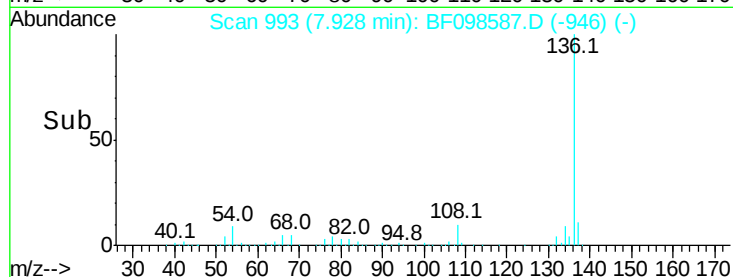
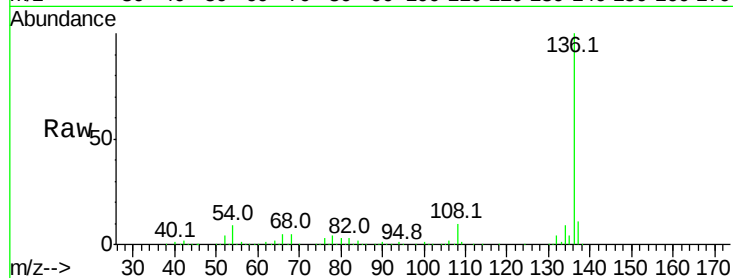
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 8.5 4.9 7.3#

68 5.3 4.1 6.1



#23

Nitrobenzene-d5

Concen: 68.897 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

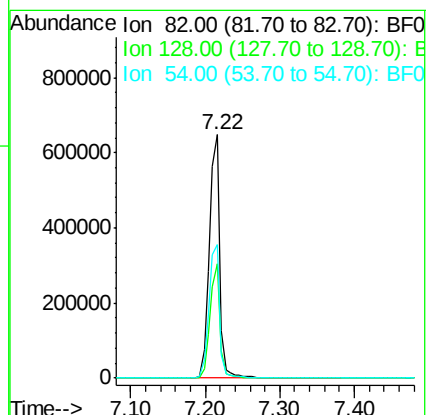
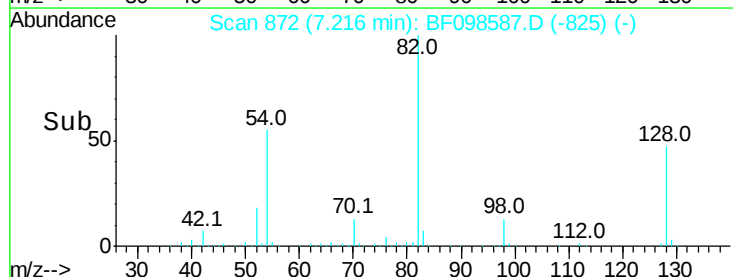
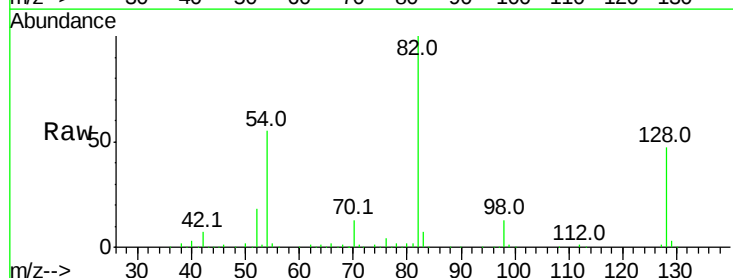
Tgt Ion: 82 Resp: 630619

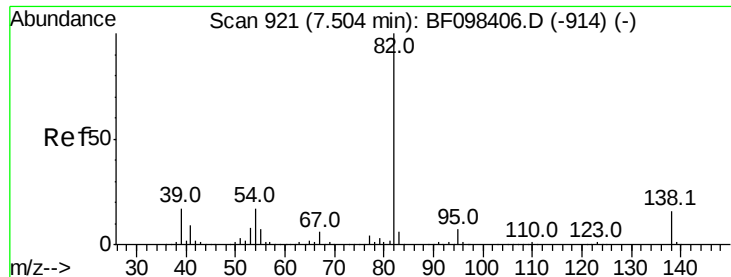
Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

54 55.0 42.2 63.2





#25

Isophorone

Concen: 33.950 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.29 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-116B(0-5)COMP

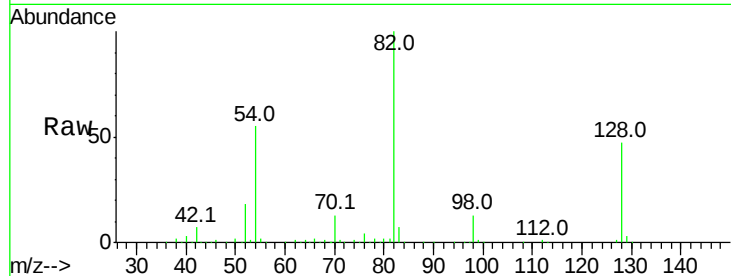
Tot Ion: 82 Resp: 628713

Ion Ratio Lower Upper

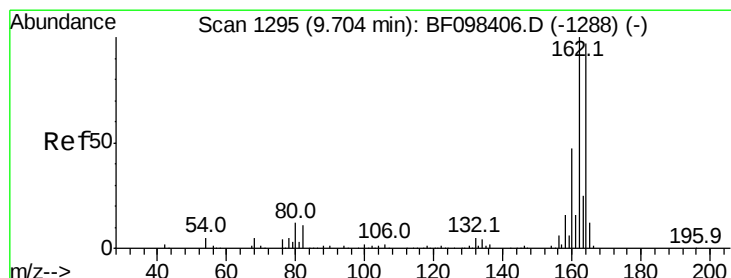
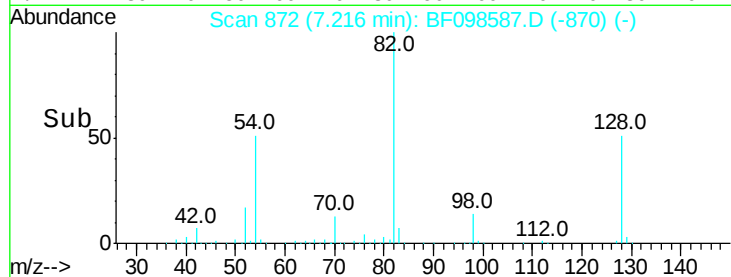
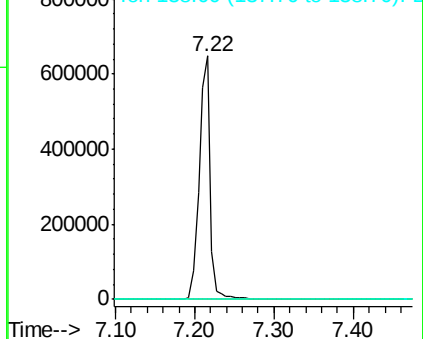
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

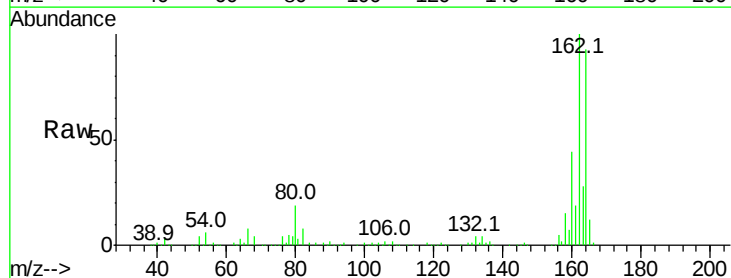
Tgt Ion:164 Resp: 231137

Ion Ratio Lower Upper

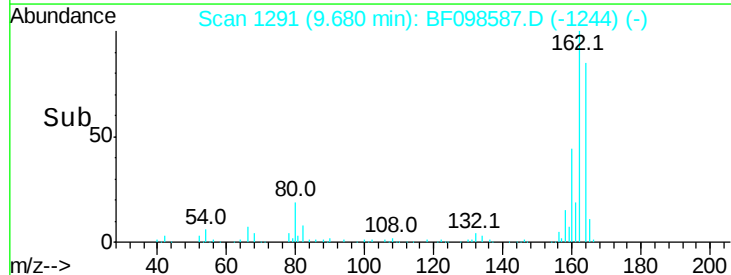
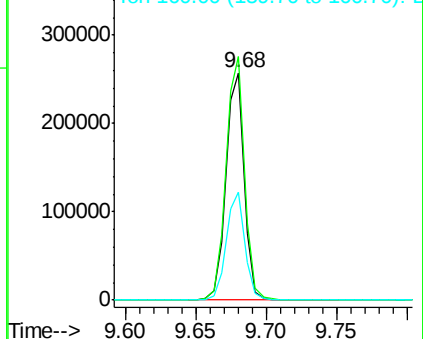
164 100

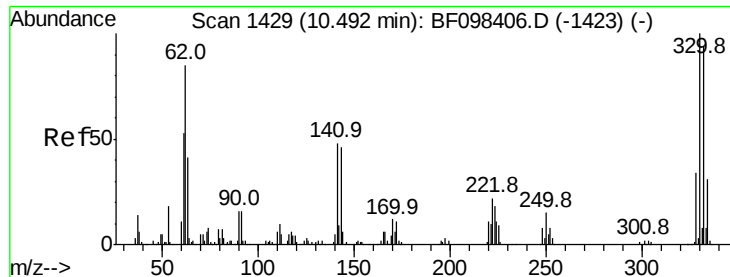
162 107.2 82.6 123.8

160 47.4 36.2 54.2



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

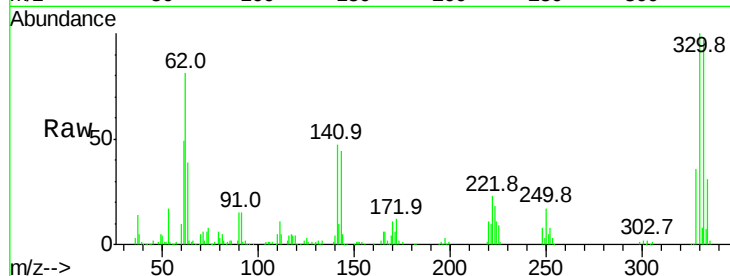




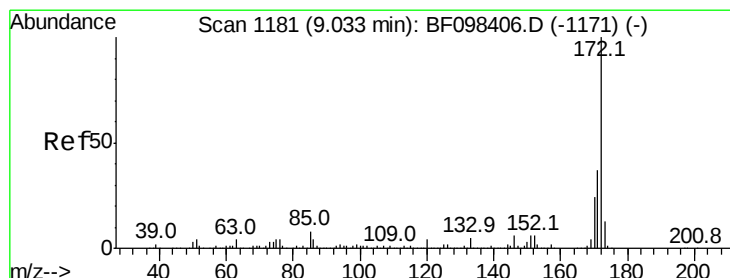
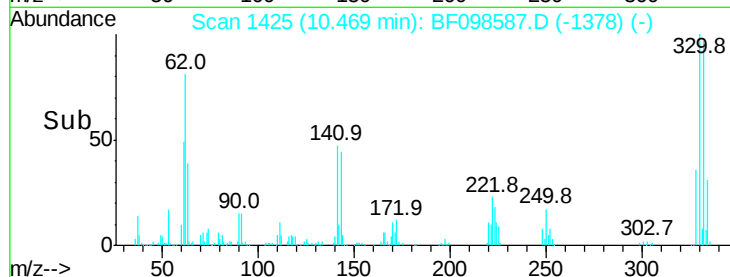
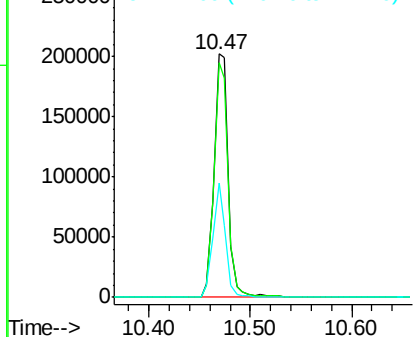
#41
 2,4,6-Tribromophenol
 Concen: 128.319 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF098587.D
 Acq: 15 Sep 2017 23:50

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116B(0-5)COMP

Tot Ion:330 Resp: 197952
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 41.7 31.4 47.2

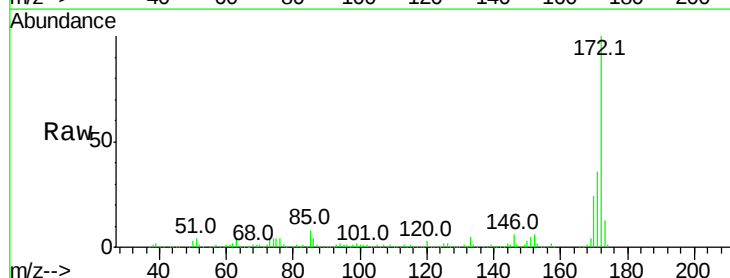


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

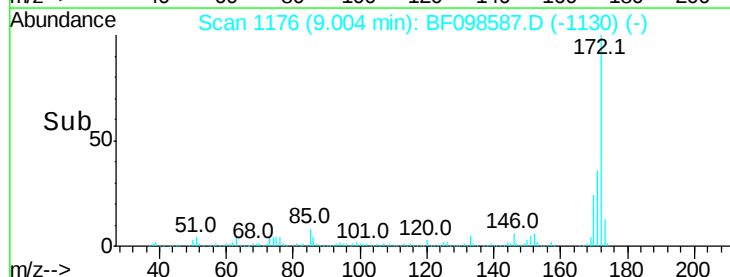
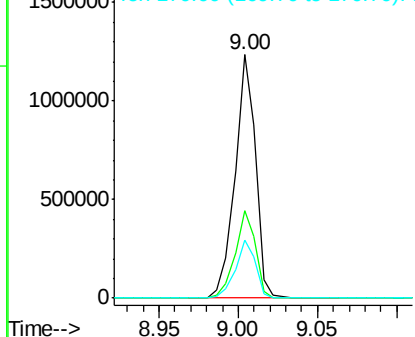


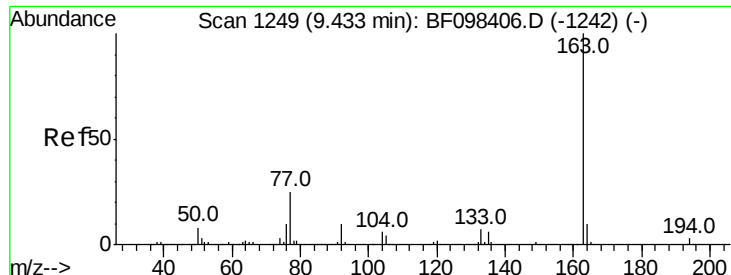
#44
 2-Fluorobiphenyl
 Concen: 81.343 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098587.D
 Acq: 15 Sep 2017 23:50

Tgt Ion:172 Resp: 1109274
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 23.7 19.8 29.8



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: 11.140 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-116B(0-5)COMP

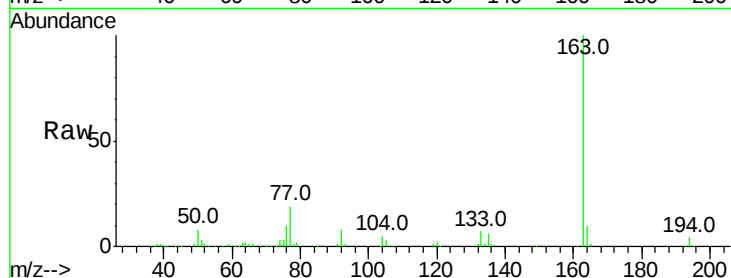
Tot Ion:163 Resp: 199313

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

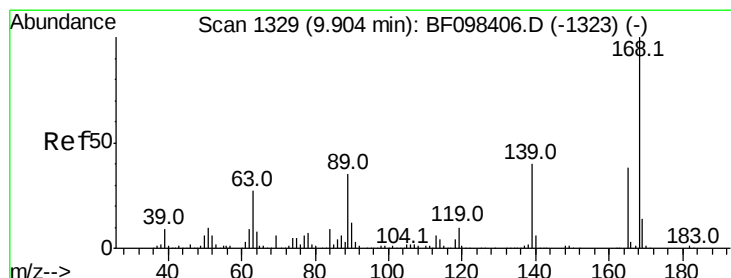
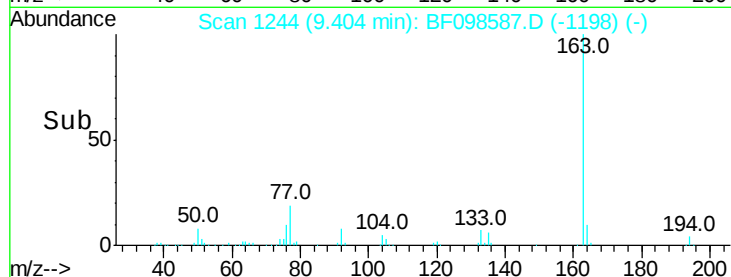
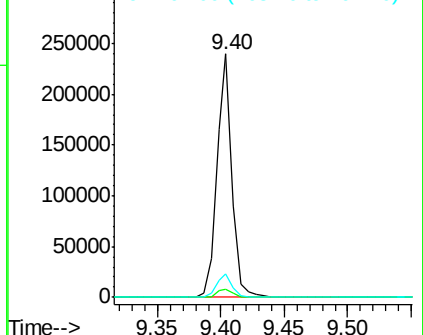
164 9.6 8.4 12.6



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: 6.660 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.22 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

Tgt Ion:165 Resp: 29759

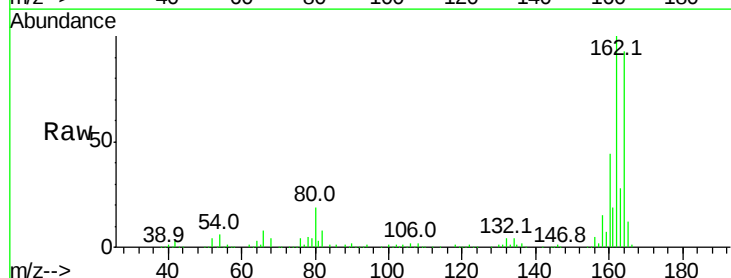
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

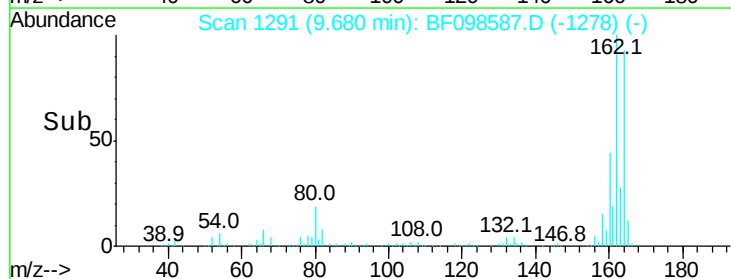
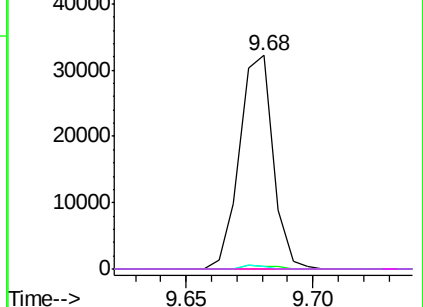


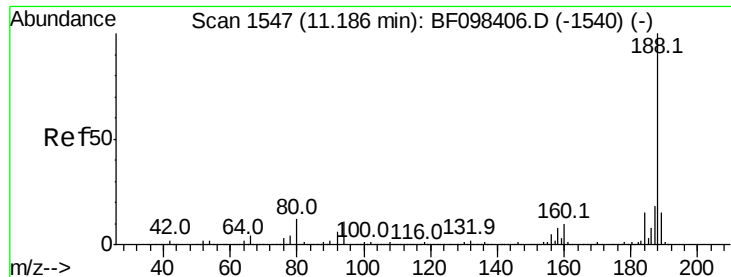
Abundance Ion 165.00 (164.70 to 165.70): E

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

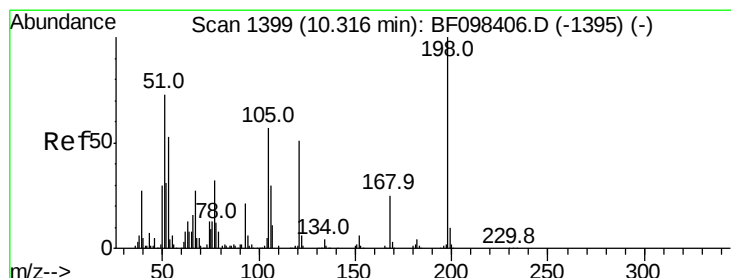
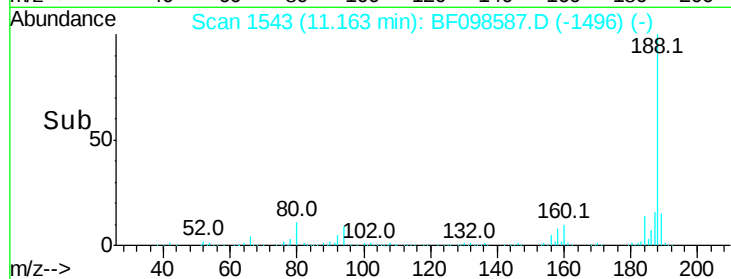
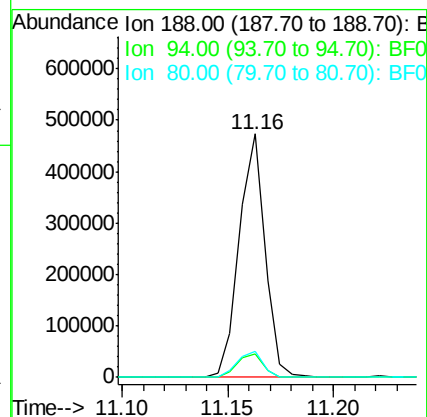
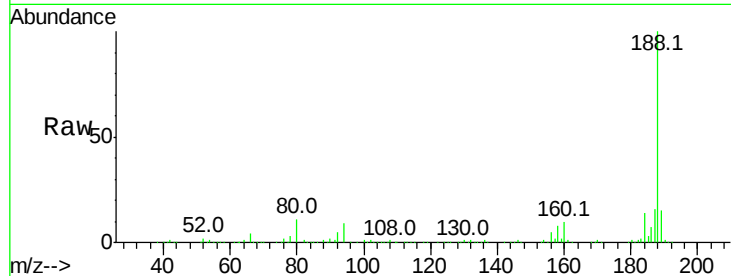




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098587.D
Acq: 15 Sep 2017 23:50

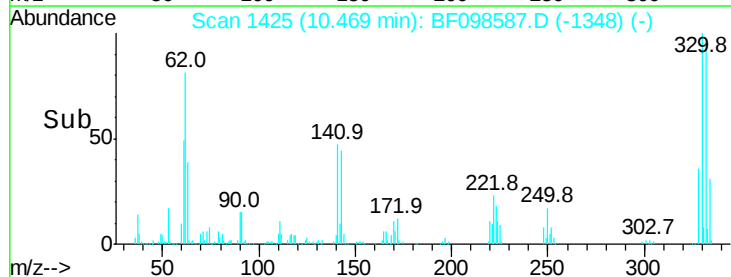
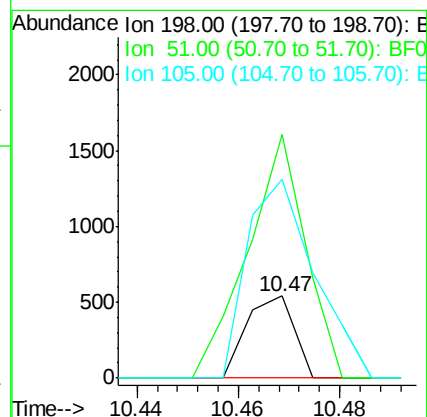
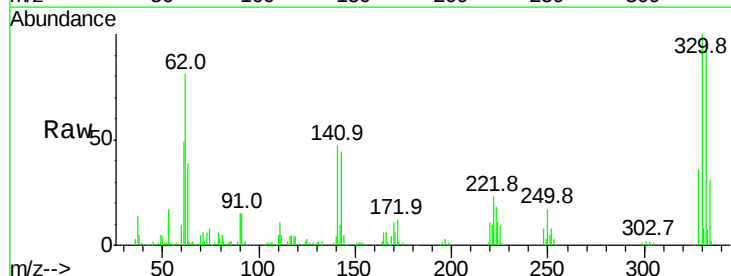
Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116B(0-5)COMP

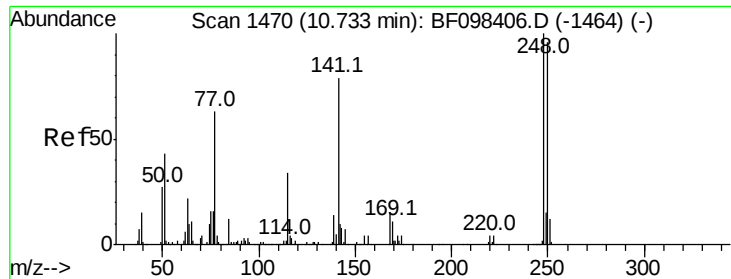
Tot Ion:188 Resp: 399165
Ion Ratio Lower Upper
188 100
94 9.4 9.4 14.2#
80 10.8 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 5.093 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.15 min
Lab File: BF098587.D
Acq: 15 Sep 2017 23:50

Tgt Ion:198 Resp: 351
Ion Ratio Lower Upper
198 100
51 296.3 53.2 93.2#
105 242.4 45.8 85.8#

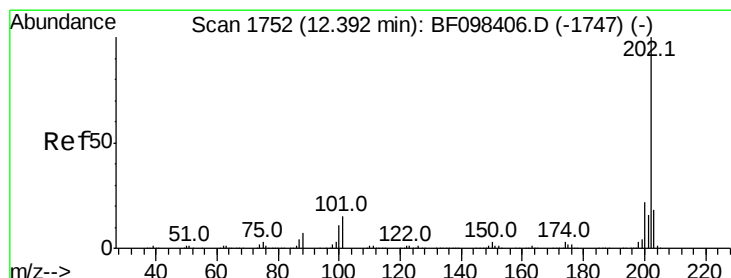
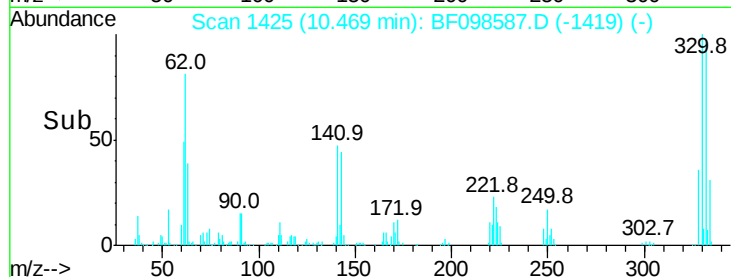
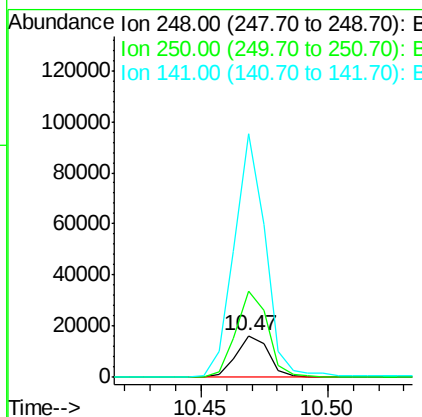
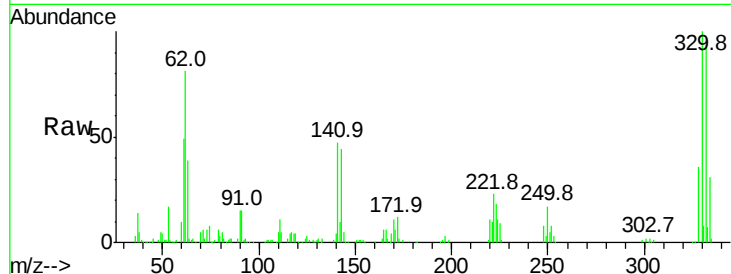




#66
 4-Bromophenyl-phenylether
 Concen: 3.841 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.26 min
 Lab File: BF098587.D
 Acq: 15 Sep 2017 23:50

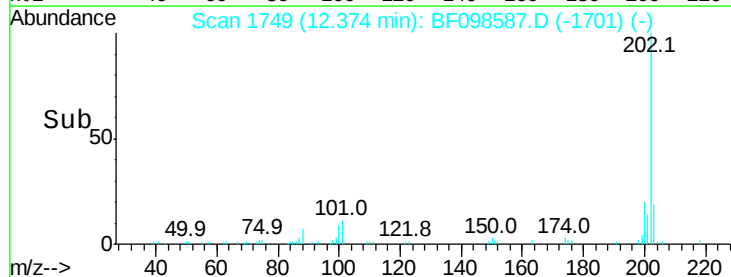
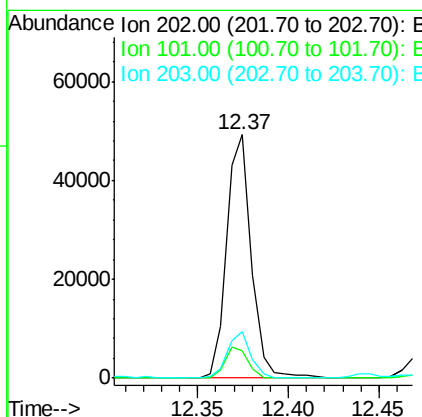
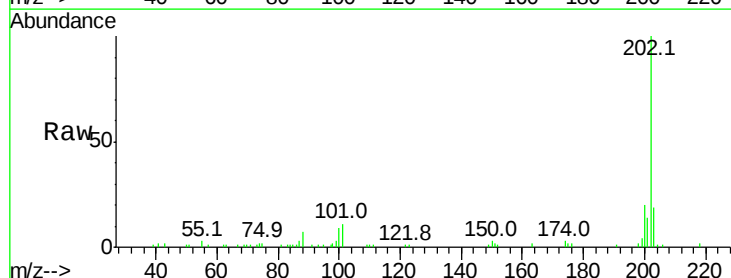
Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116B(0-5)COMP

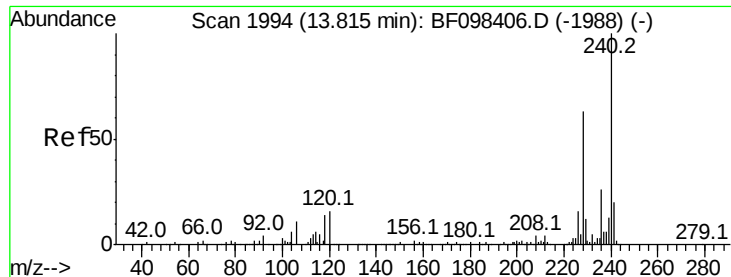
Tot Ion:248 Resp: 14553
 Ion Ratio Lower Upper
 248 100
 250 207.3 76.8 115.2#
 141 586.1 68.6 103.0#



#74
 Fluoranthene
 Concen: 2.205 ng
 RT: 12.37 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BF098587.D
 Acq: 15 Sep 2017 23:50

Tgt Ion:202 Resp: 46715
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 33.2
 203 19.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

Instrument :

BNA_F

ClientSampleId :

SASP2P-TP-116B(0-5)COMP

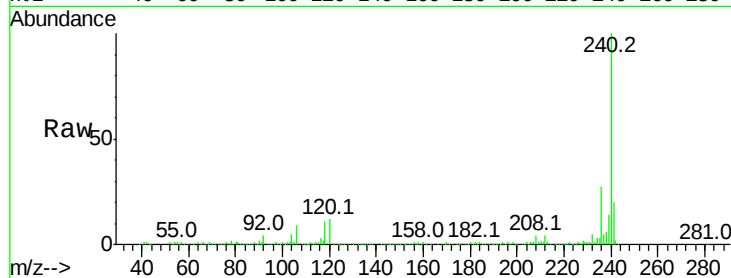
Tot Ion:240 Resp: 244542

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

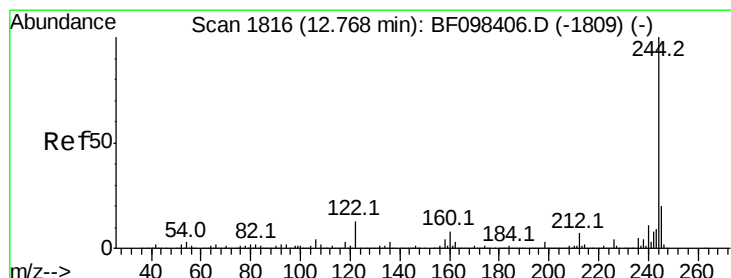
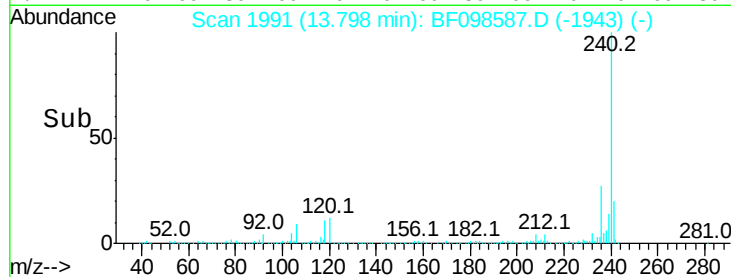
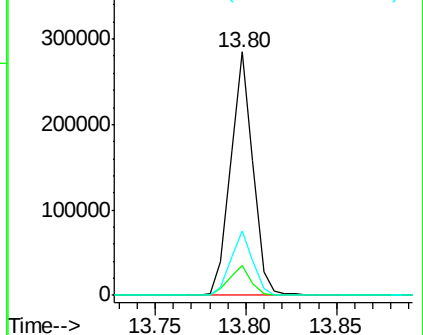
236 26.7 20.5 30.7



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



#78

Terphenyl-d14

Concen: 67.297 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098587.D

Acq: 15 Sep 2017 23:50

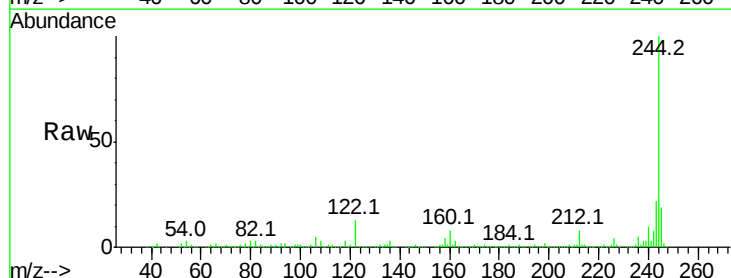
Tgt Ion:244 Resp: 762435

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

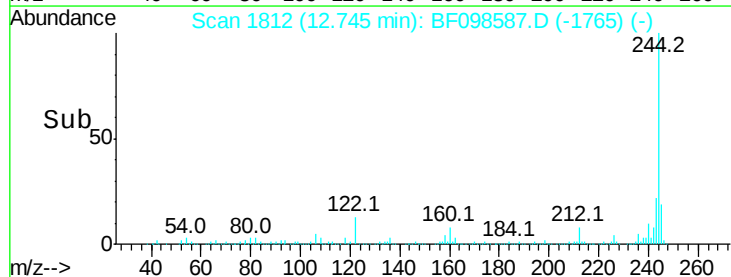
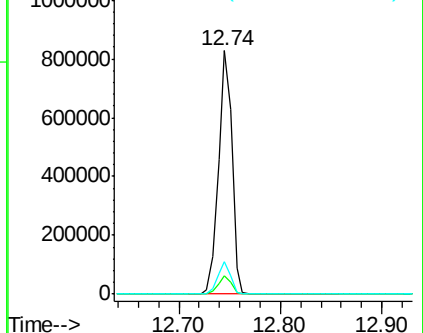
122 13.4 10.3 15.5

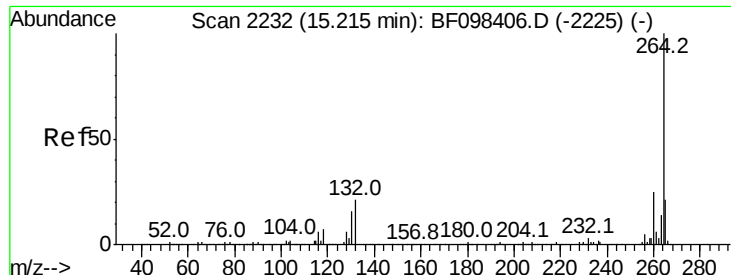


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

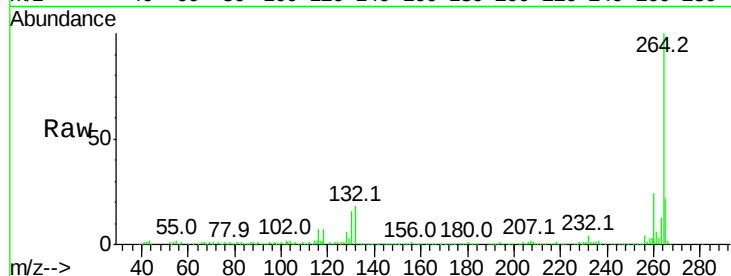




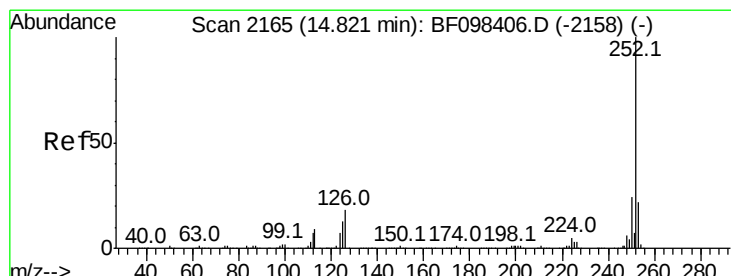
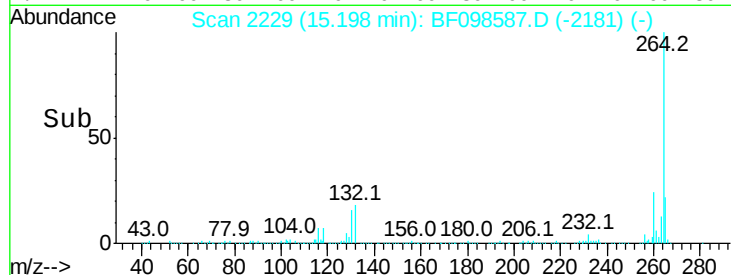
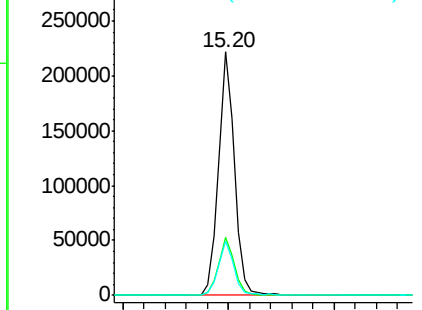
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF098587.D
Acq: 15 Sep 2017 23:50

Instrument :
BNA_F
ClientSampleId :
SASP2P-TP-116B(0-5)COMP

Tot Ion:264 Resp: 240753
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.4 17.2 25.8

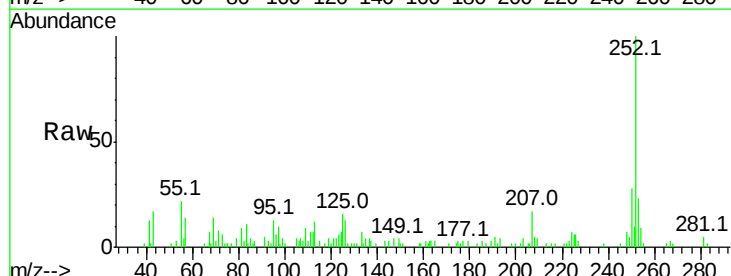


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

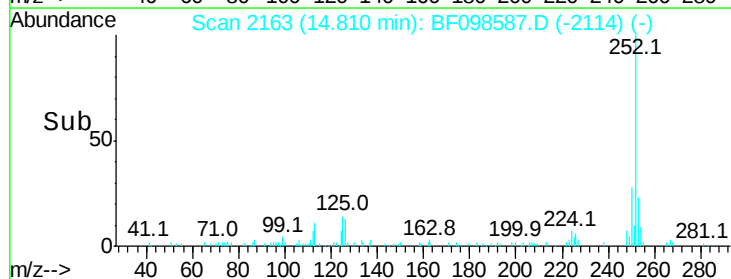
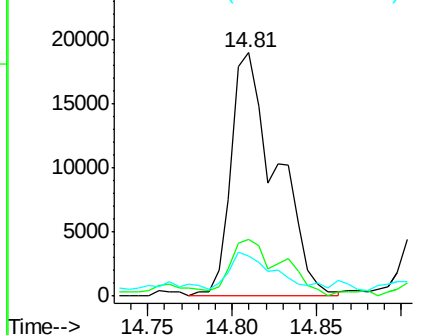


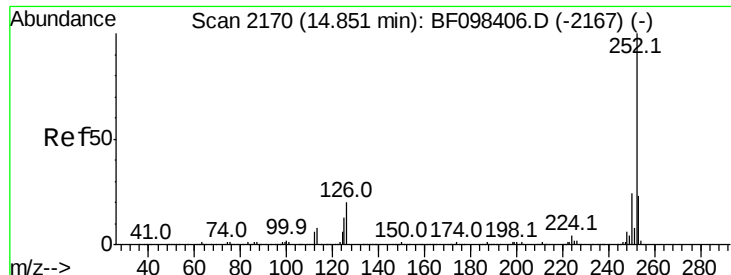
#87
Benzo(b)fluoranthene
Concen: 2.346 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098587.D
Acq: 15 Sep 2017 23:50

Tgt Ion:252 Resp: 35520
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 16.5 9.8 14.8#



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

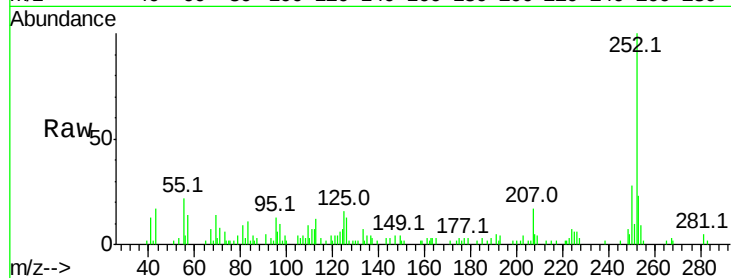




#88
 Benzo(k)fluoranthene
 Concen: 2.513 ng
 RT: 14.81 min Scan# 2163
 Delta R.T. -0.04 min
 Lab File: BF098587.D
 Acq: 15 Sep 2017 23:50

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-TP-116B(0-5)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	16.5	13.1	19.7



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

