

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\
 Data File : BF087578.D
 Acq On : 31 May 2016 7:20
 Operator : UM/SJ
 Sample : H3323-02
 Misc :
 ALS Vial : 96 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: May 31 07:47:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

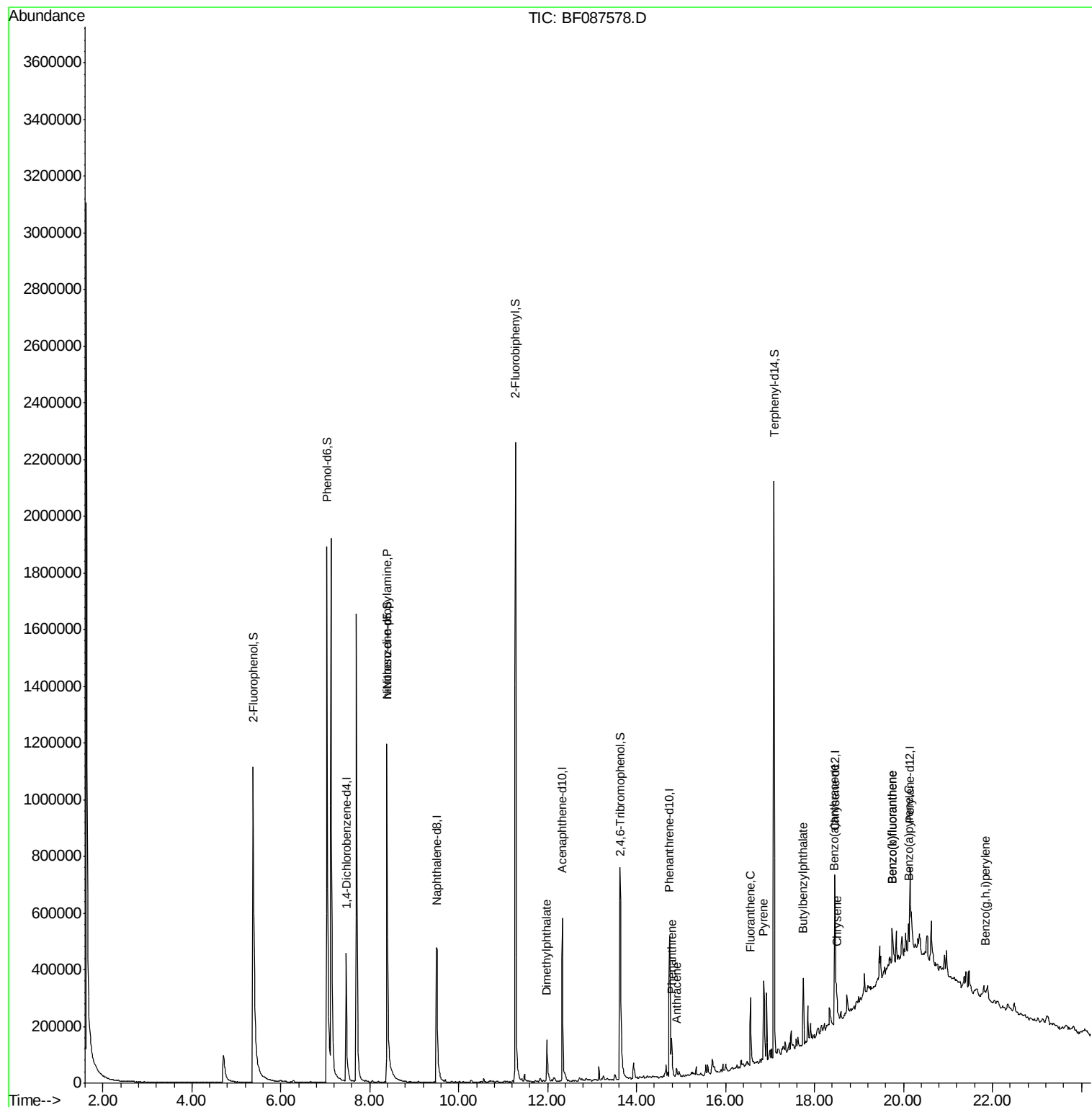
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	114133	20.00	ng	-0.05
21) Naphthalene-d8	9.51	136	450933	20.00	ng	-0.05
38) Acenaphthene-d10	12.33	164	181388	20.00	ng	-0.06
63) Phenanthrene-d10	14.74	188	289333	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	246017	20.00	ng	-0.02
86) Perylene-d12	20.15	264	170198	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	703252	108.27	ng	-0.03
7) Phenol-d6	7.04	99	924948	105.39	ng	-0.03
23) Nitrobenzene-d5	8.39	82	597152	66.74	ng	-0.06
41) 2,4,6-Tribromophenol	13.63	330	146118	83.83	ng	-0.05
44) 2-Fluorobiphenyl	11.28	172	974433	75.73	ng	-0.06
78) Terphenyl-d14	17.09	244	679666	58.73	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.39	70	72931	11.14	ng	Qvalue # 73
49) Dimethylphthalate	11.98	163	102407	7.05	ng	99
70) Phenanthrene	14.79	178	98682	6.16	ng	99
71) Anthracene	14.89	178	34014	2.10	ng	97
74) Fluoranthene	16.56	202	172241	10.72	ng	93
77) Pyrene	16.86	202	165420	9.34	ng	97
79) Butylbenzylphthalate	17.75	149	54584	6.95	ng	# 79
80) Benzo(a)anthracene	18.45	228	75303	5.38	ng	100
82) Chrysene	18.50	228	75439	5.43	ng	96
87) Benzo(b)fluoranthene	19.75	252	101540	9.37	ng	# 92
88) Benzo(k)fluoranthene	19.75	252	101540	10.88	ng	# 90
89) Benzo(a)pyrene	20.11	252	51798	5.52	ng	# 82
91) Benzo(g,h,i)perylene	21.84	276	24747	3.14	ng	91

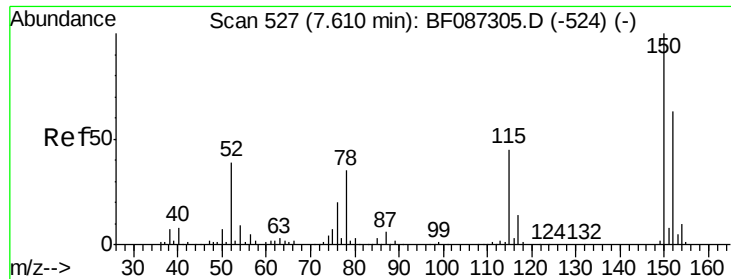
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

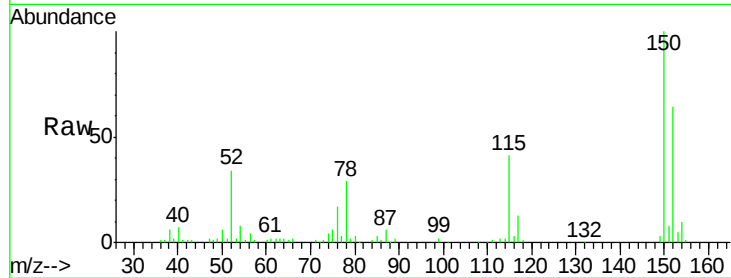
Tgt Ion:152 Resp: 114133

Ion Ratio Lower Upper

152 100

150 157.3 125.8 188.6

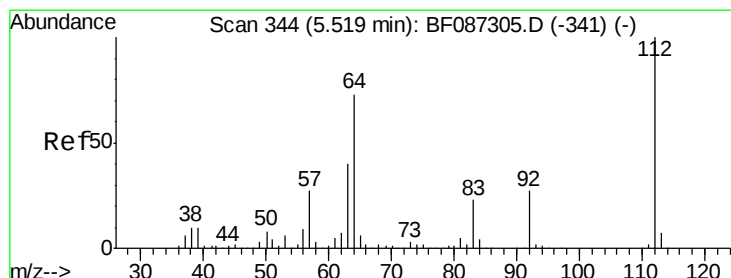
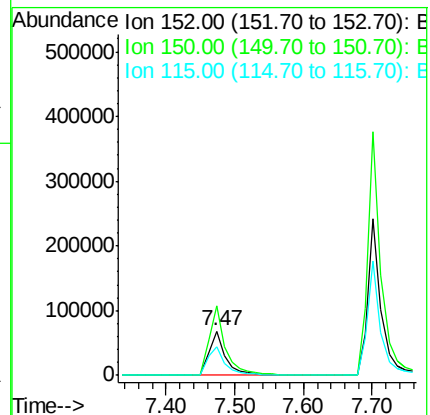
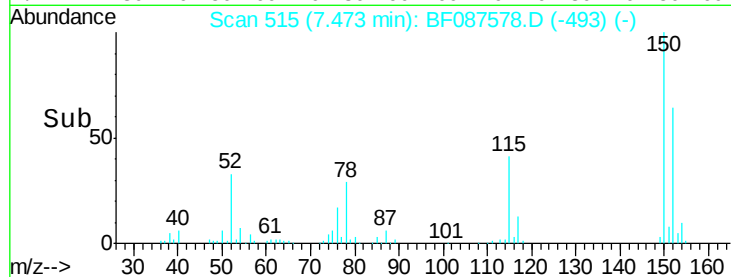
115 64.3 51.5 77.3



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: 108.27 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

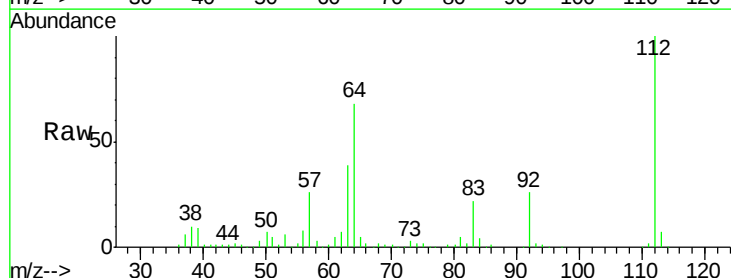
Tgt Ion:112 Resp: 703252

Ion Ratio Lower Upper

112 100

64 67.8 52.1 78.1

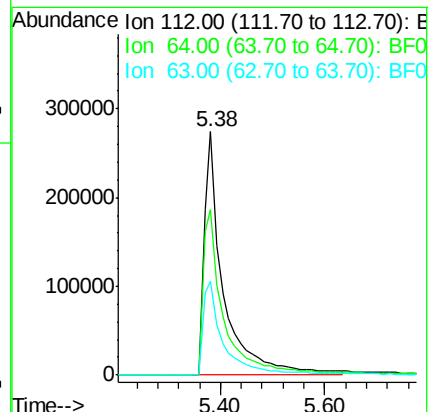
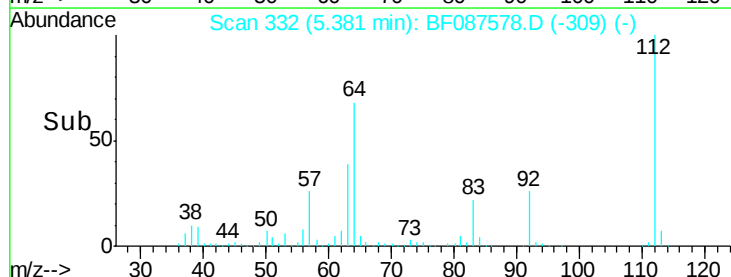
63 38.7 25.7 38.5#

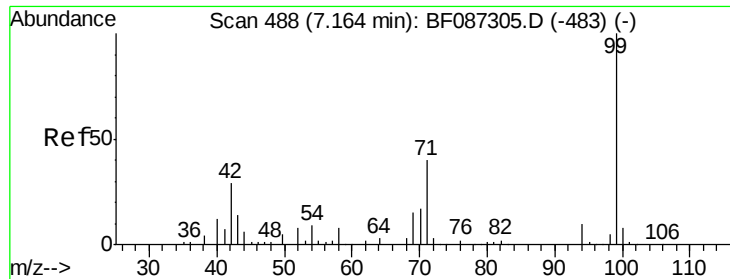


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.39 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

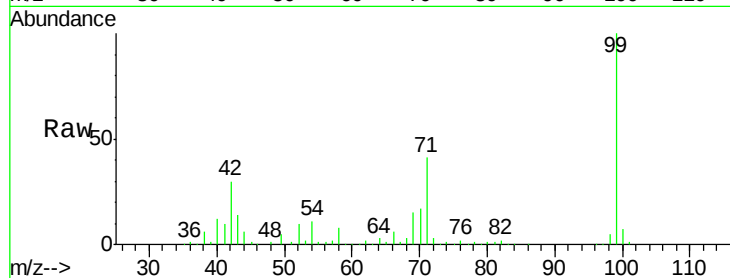
Tgt Ion: 99 Resp: 924948

Ion Ratio Lower Upper

99 100

42 30.0 13.6 20.4#

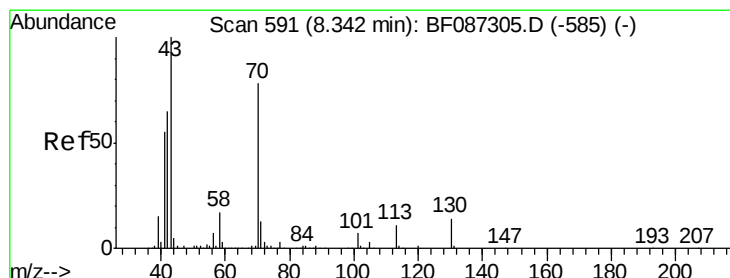
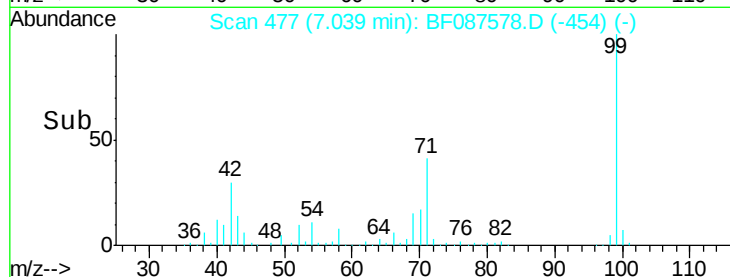
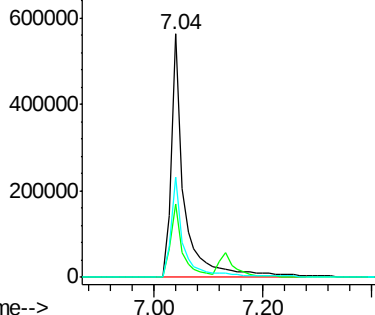
71 41.1 24.6 36.8#



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: 11.14 ng

RT: 8.39 min Scan# 595

Delta R.T. 0.14 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Tgt Ion: 70 Resp: 72931

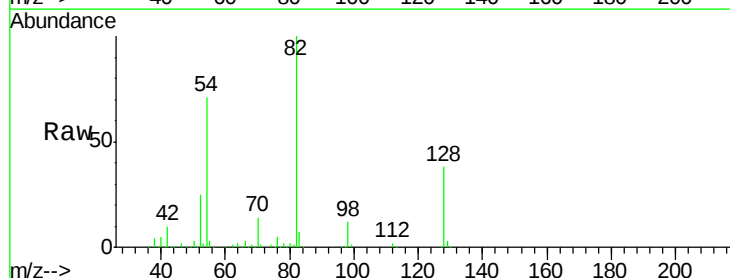
Ion Ratio Lower Upper

70 100

42 68.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

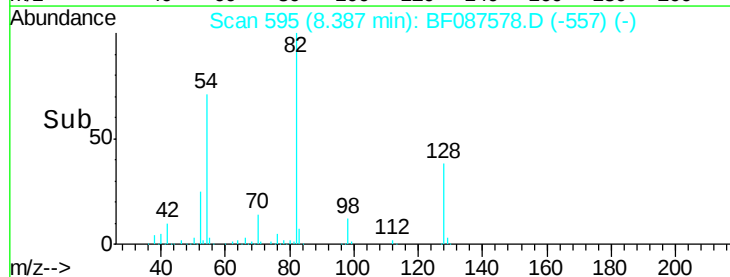
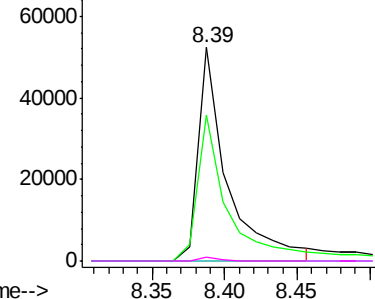


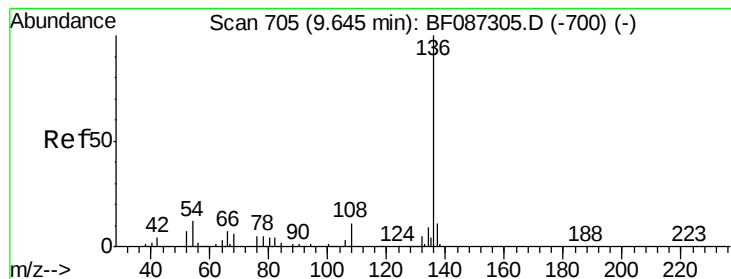
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:136 Resp: 450933

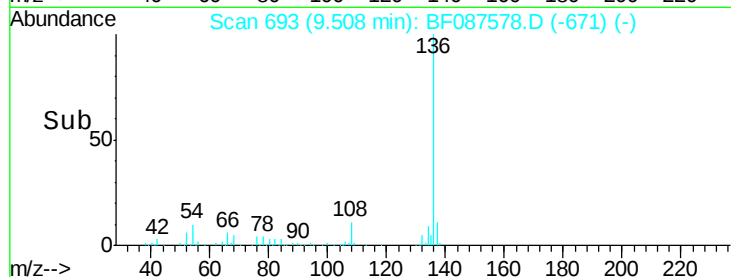
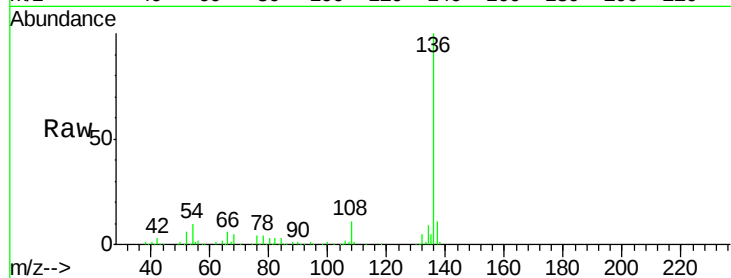
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 10.3 5.0 7.4#

68 5.0 4.4 6.6

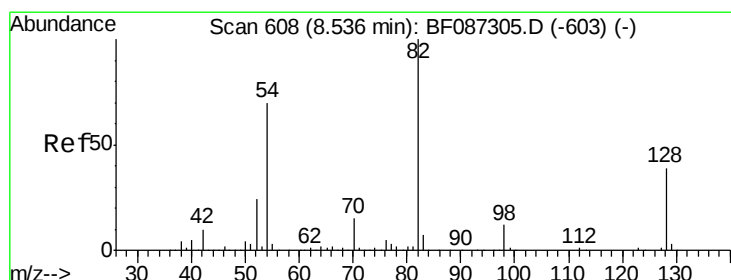
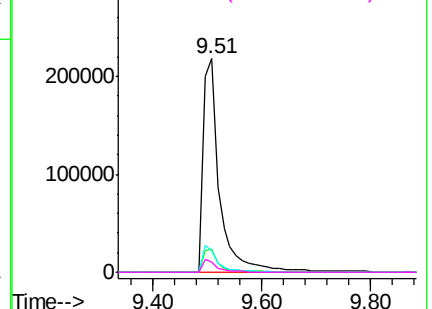


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.74 ng

RT: 8.39 min Scan# 595

Delta R.T. -0.06 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

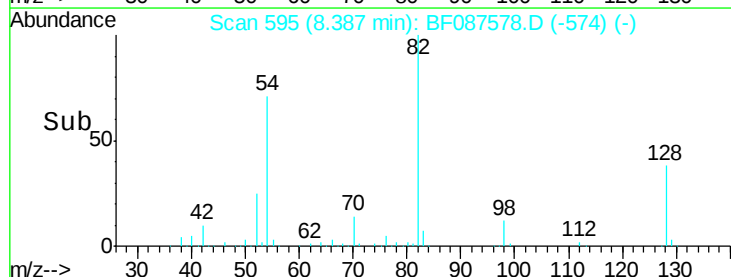
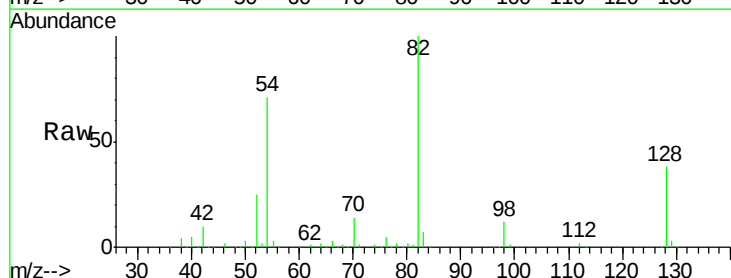
Tgt Ion: 82 Resp: 597152

Ion Ratio Lower Upper

82 100

128 37.9 40.6 61.0#

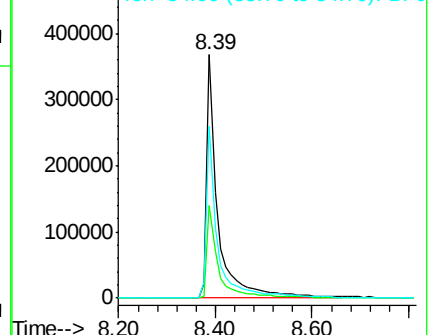
54 70.8 38.1 57.1#

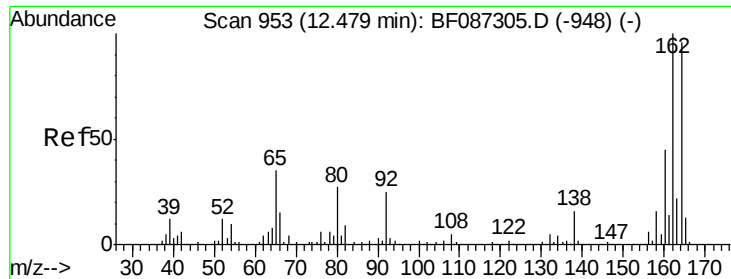


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.33 min Scan# 940

Delta R.T. -0.06 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

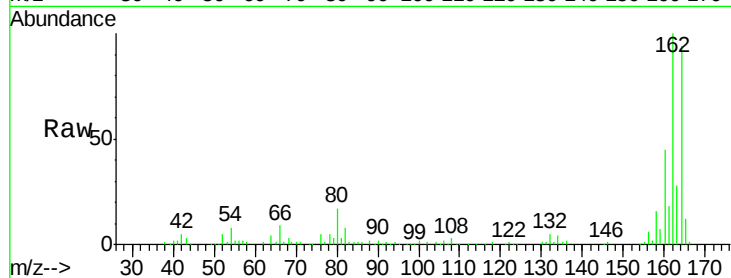
Tgt Ion:164 Resp: 181388

Ion Ratio Lower Upper

164 100

162 106.0 82.8 124.2

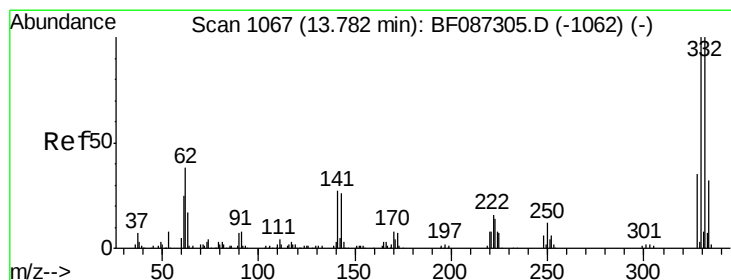
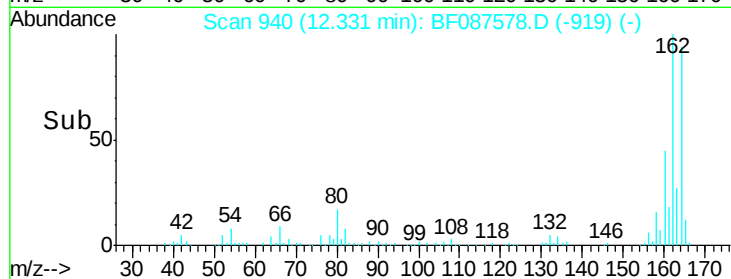
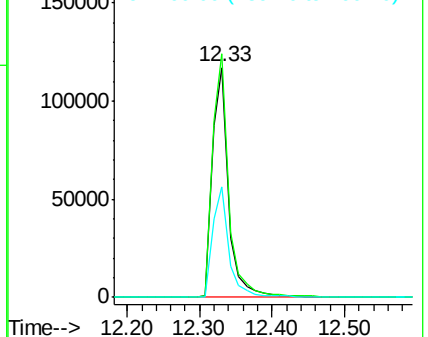
160 48.2 36.9 55.3



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: 83.83 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.05 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

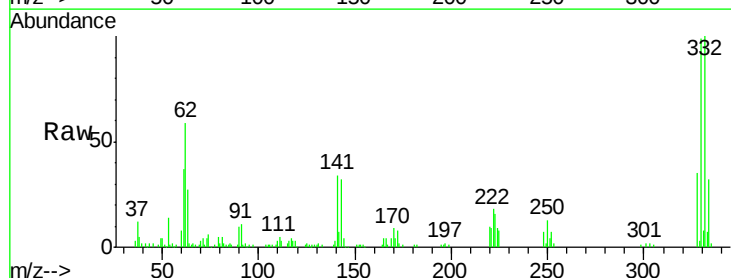
Tgt Ion:330 Resp: 146118

Ion Ratio Lower Upper

330 100

332 97.6 79.0 118.4

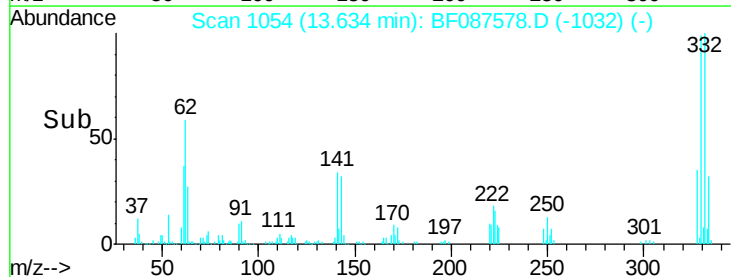
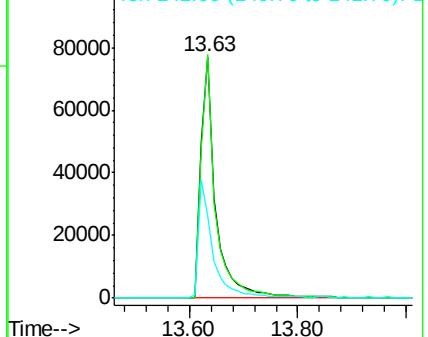
141 47.4 31.2 46.8#

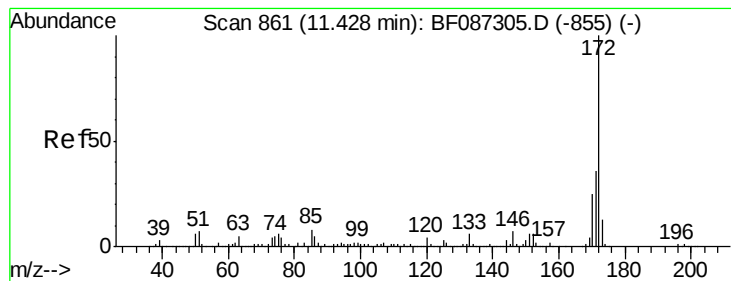


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.73 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

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ClientSampleId :

SB-02-COMP

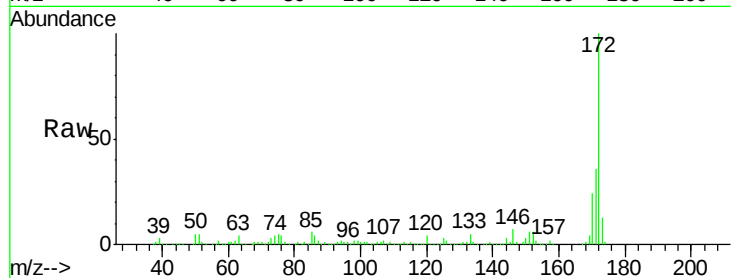
Tgt Ion:172 Resp: 974433

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.6

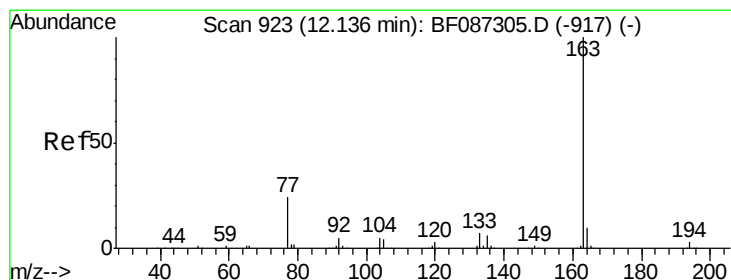
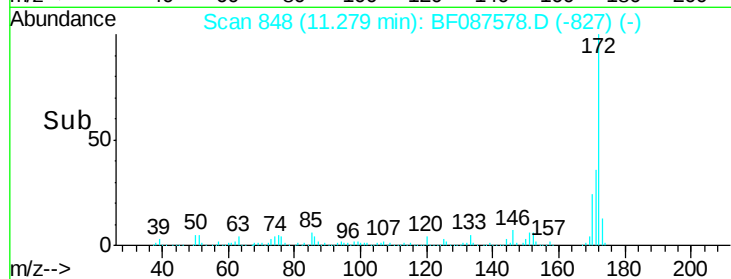
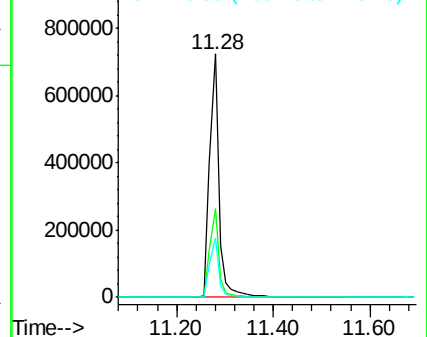
170 24.3 19.8 29.8



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: 7.05 ng

RT: 11.98 min Scan# 909

Delta R.T. -0.07 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

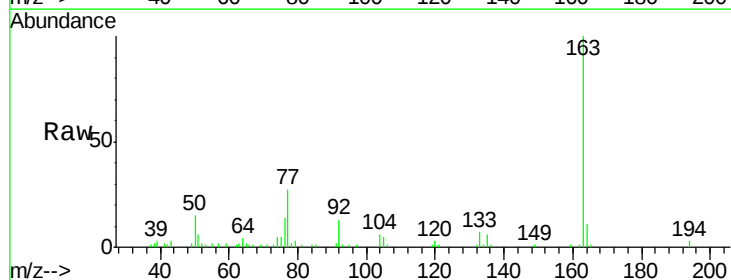
Tgt Ion:163 Resp: 102407

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

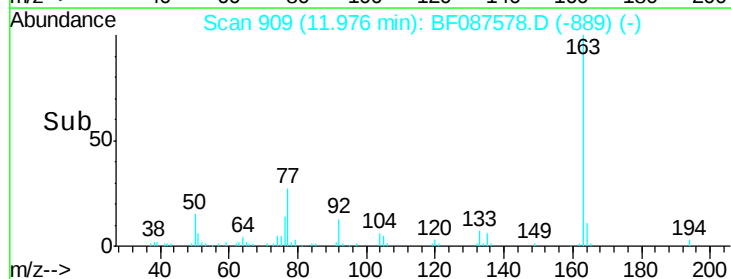
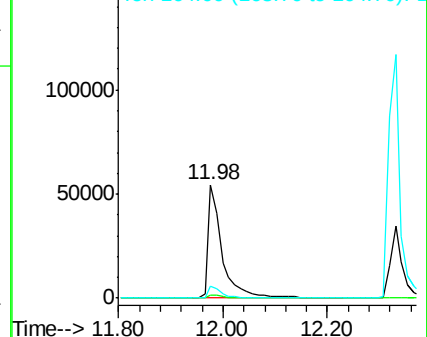
164 10.5 8.2 12.4

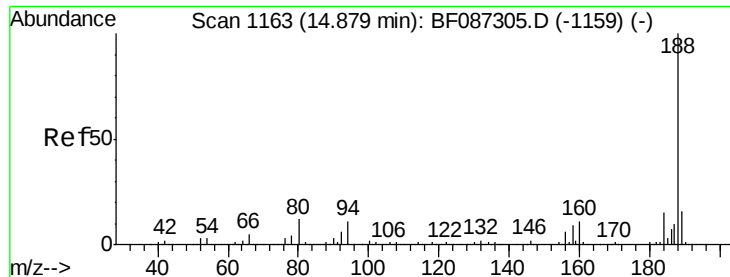


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

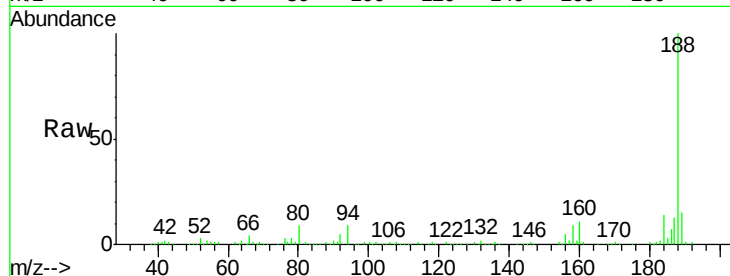




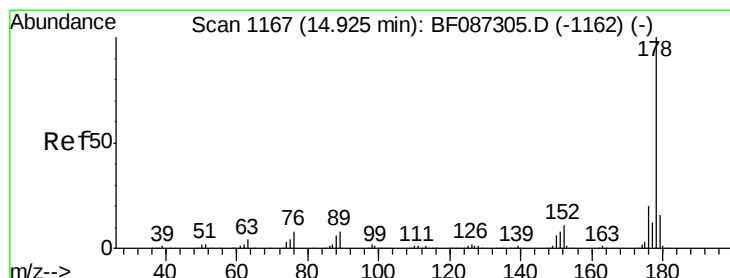
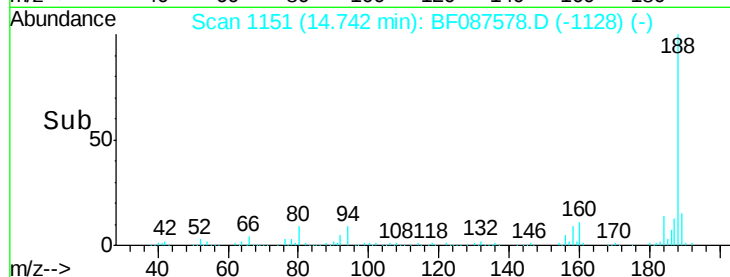
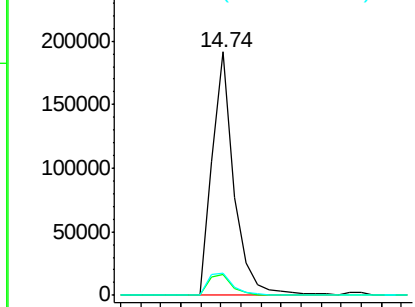
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:188 Resp: 289333
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.2 7.1 10.7

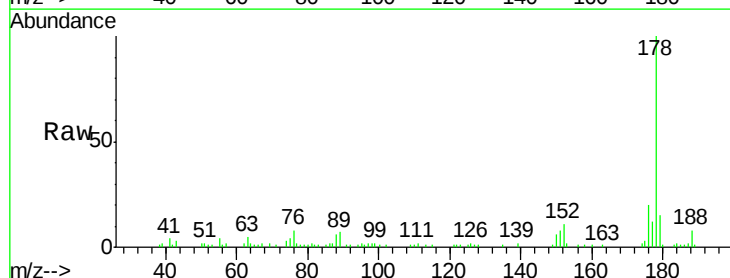


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

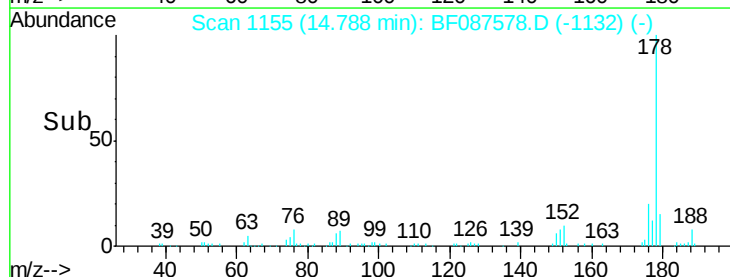
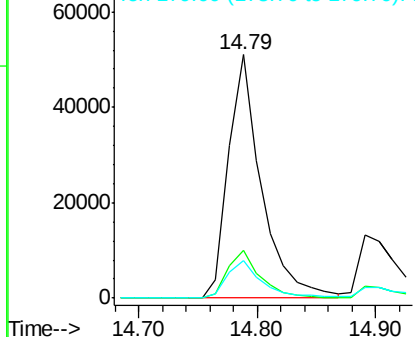


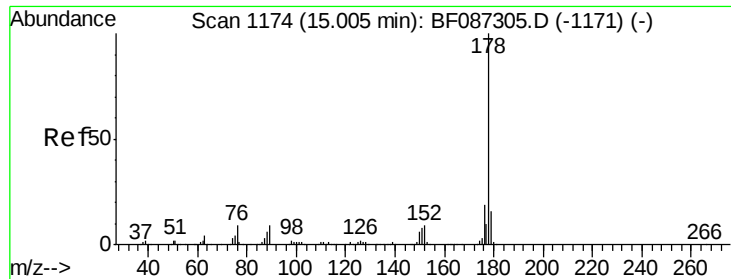
#70
Phenanthrene
Concen: 6.16 ng
RT: 14.79 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Tgt Ion:178 Resp: 98682
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.2 12.6 18.8



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: 2.10 ng

RT: 14.89 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

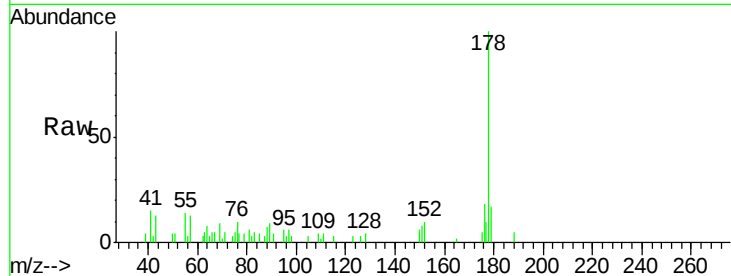
Tgt Ion:178 Resp: 34014

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

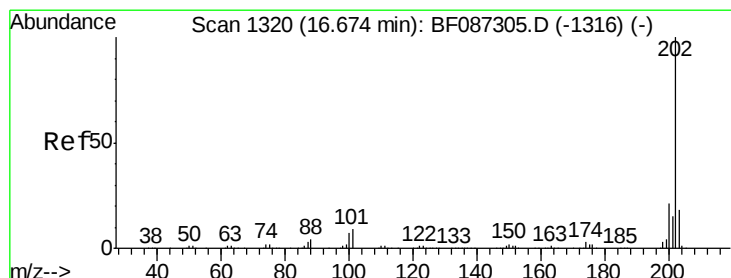
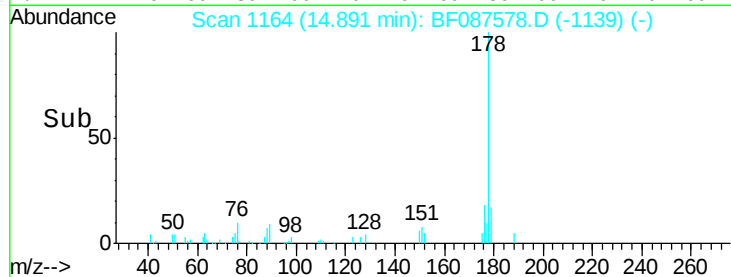
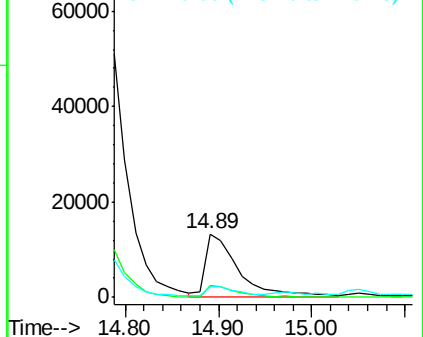
179 16.7 12.7 19.1



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



#74

Fluoranthene

Concen: 10.72 ng

RT: 16.56 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

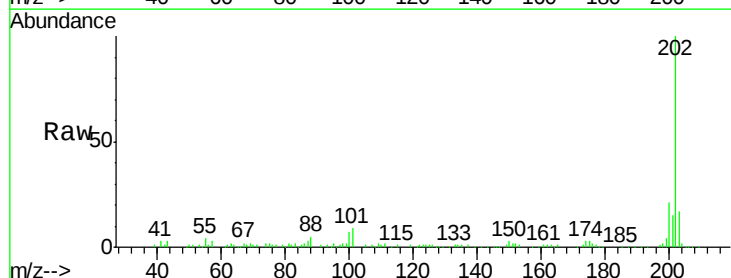
Tgt Ion:202 Resp: 172241

Ion Ratio Lower Upper

202 100

101 9.3 0.0 35.4

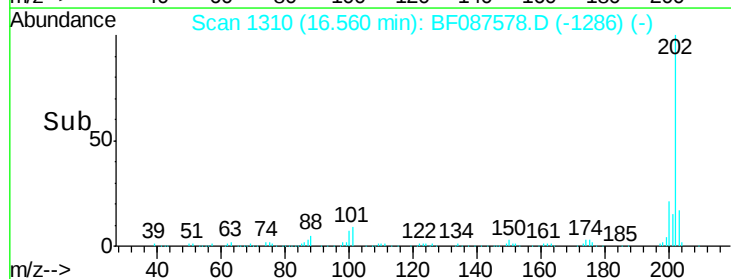
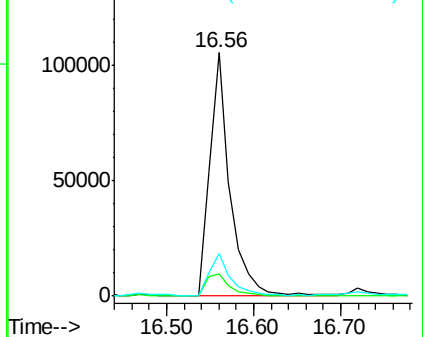
203 17.4 0.0 38.1

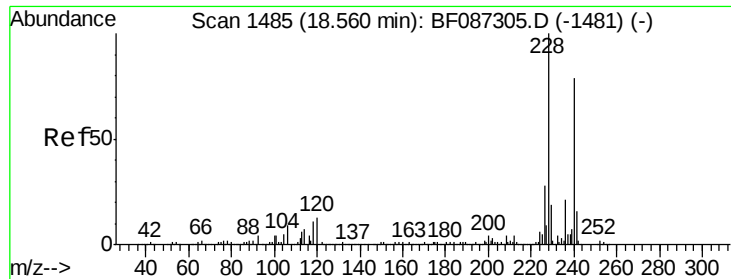


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

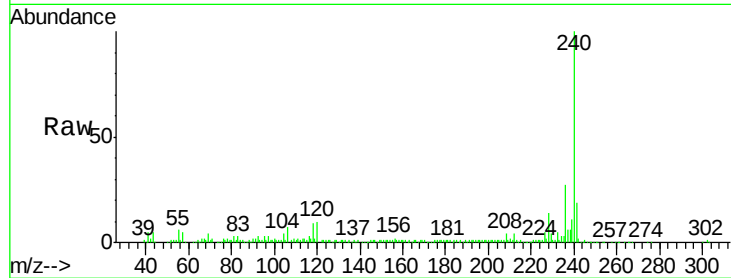
Tgt Ion:240 Resp: 246017

Ion Ratio Lower Upper

240 100

120 9.5 11.2 16.8#

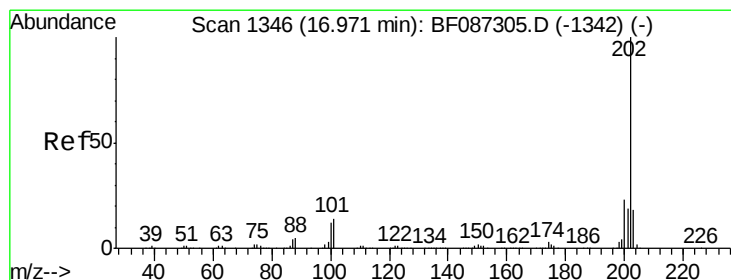
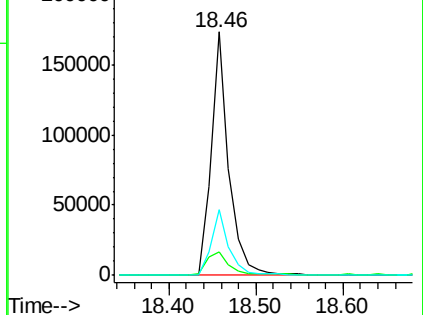
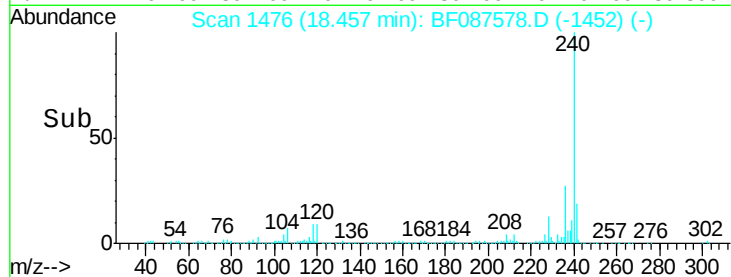
236 27.2 21.2 31.8



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: 9.34 ng

RT: 16.86 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

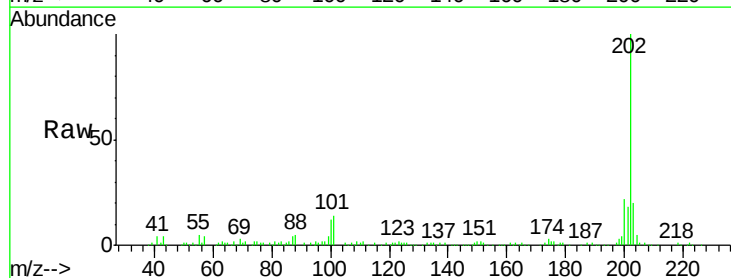
Tgt Ion:202 Resp: 165420

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

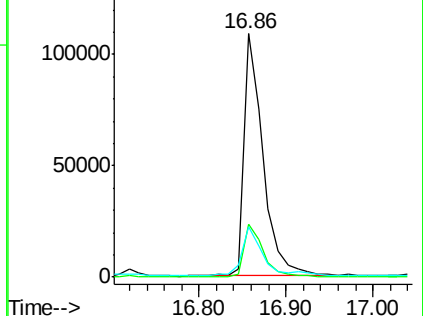
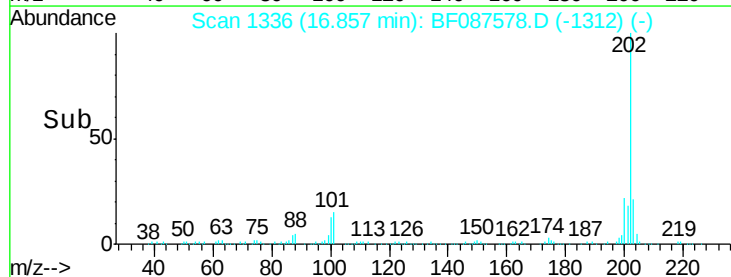
203 20.5 14.2 21.4

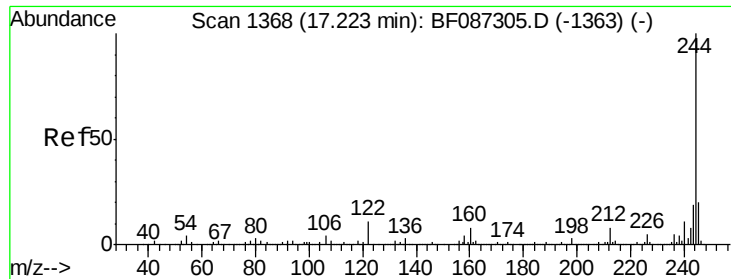


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

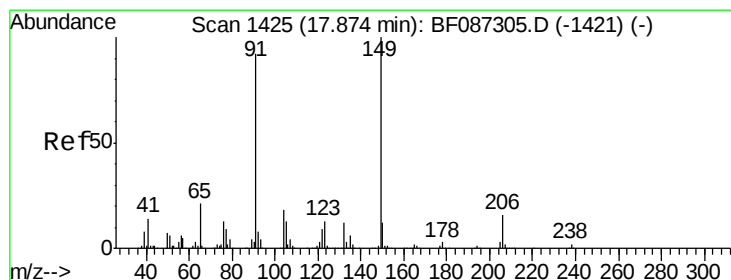
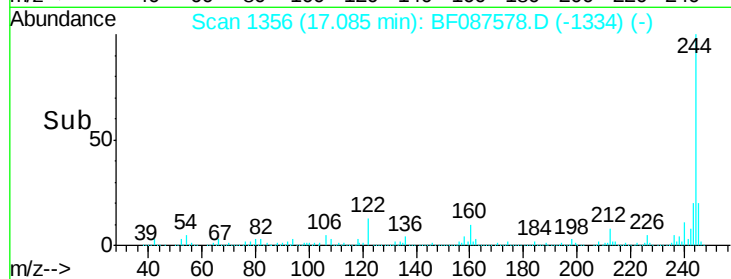
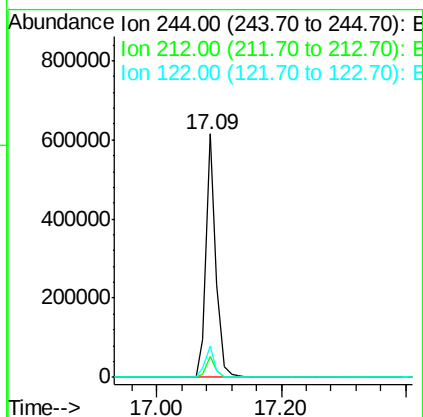
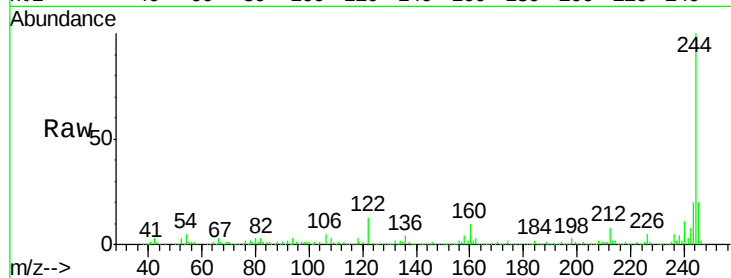




#78
 Terphenyl-d14
 Concen: 58.73 ng
 RT: 17.09 min Scan# 1356
 Delta R.T. -0.05 min
 Lab File: BF087578.D
 Acq: 31 May 2016 7:20

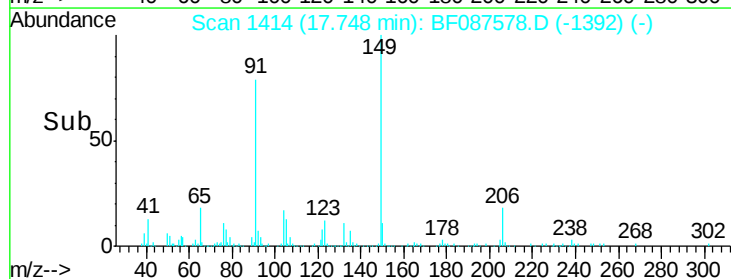
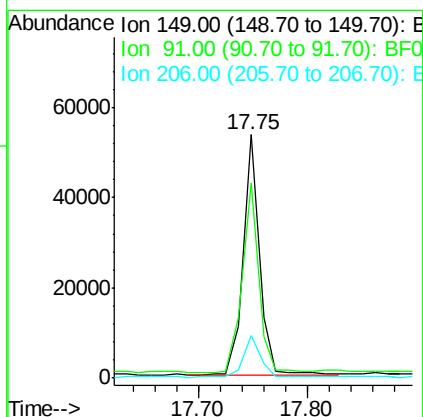
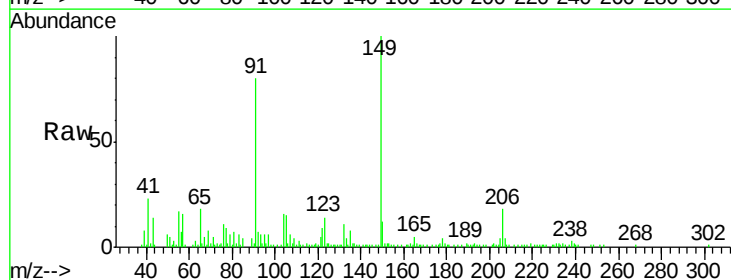
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

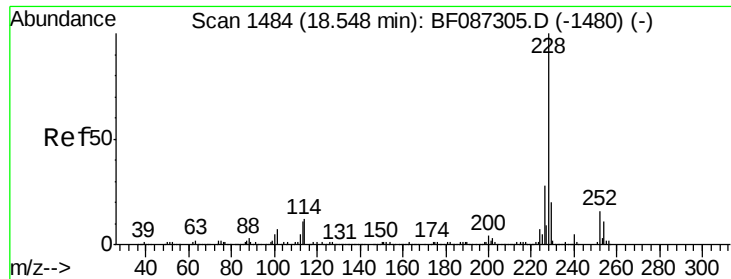
Tgt Ion: 244 Resp: 679666
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 13.0 12.0 18.0



#79
 Butylbenzylphthalate
 Concen: 6.95 ng
 RT: 17.75 min Scan# 1414
 Delta R.T. -0.05 min
 Lab File: BF087578.D
 Acq: 31 May 2016 7:20

Tgt Ion: 149 Resp: 54584
 Ion Ratio Lower Upper
 149 100
 91 80.3 48.0 72.0#
 206 17.7 15.8 23.6





#80

Benzo(a)anthracene

Concen: 5.38 ng

RT: 18.45 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

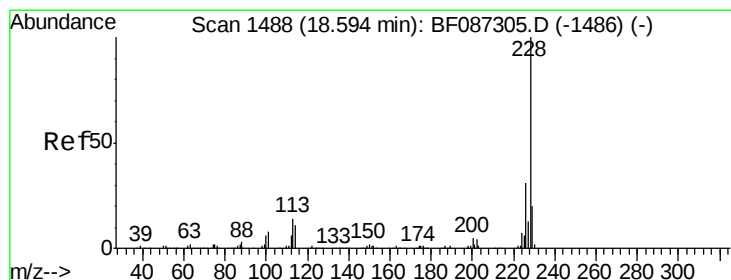
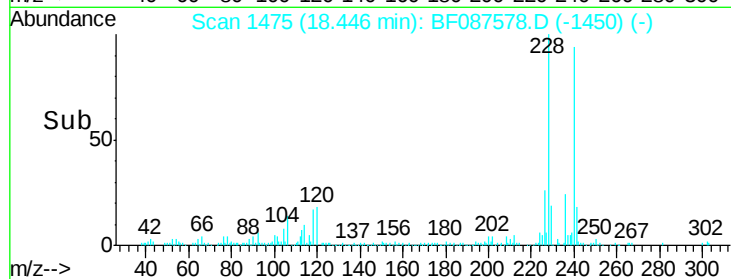
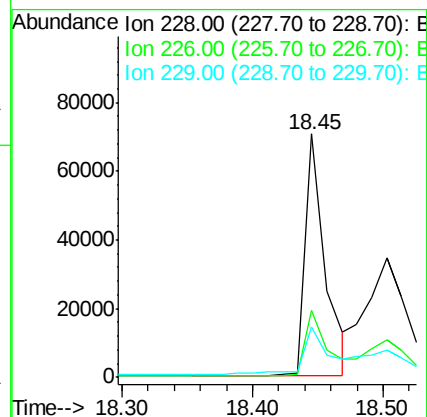
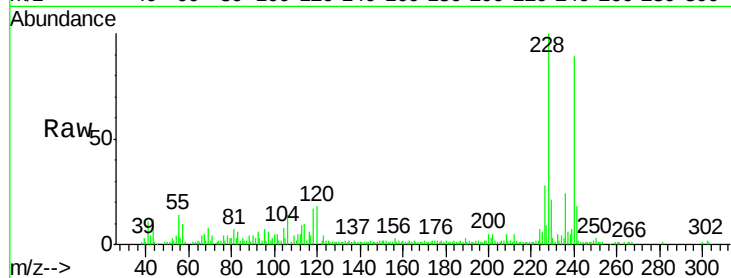
Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:	228	Resp:	75303
Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.5	33.7
229	20.7	16.6	25.0



#82

Chrysene

Concen: 5.43 ng

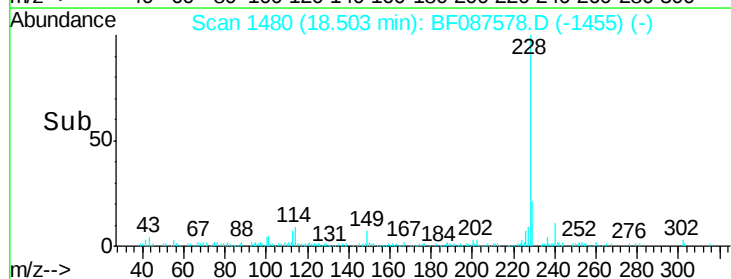
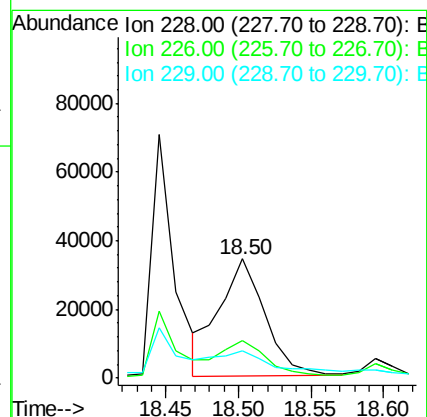
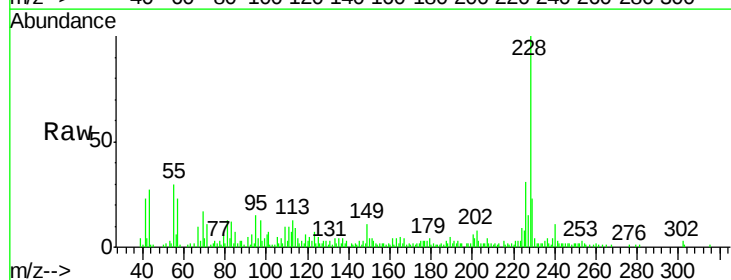
RT: 18.50 min Scan# 1480

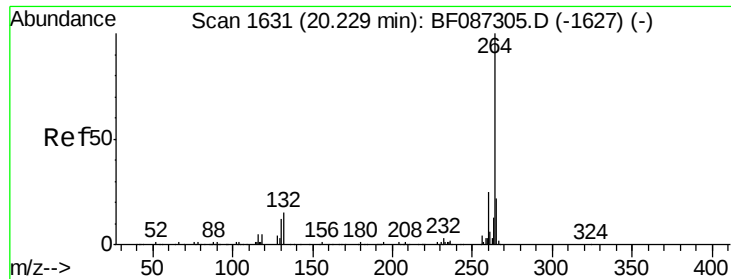
Delta R.T. -0.01 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Tgt Ion:	228	Resp:	75439
Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.4	36.6
229	23.4	15.8	23.8



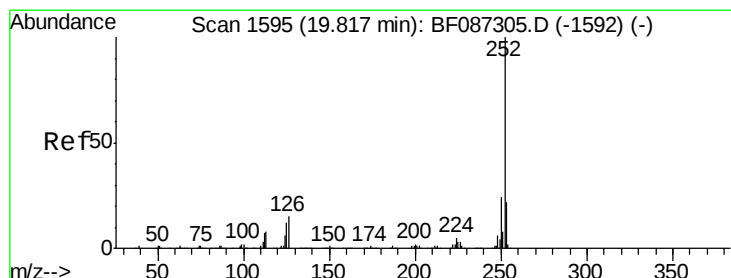
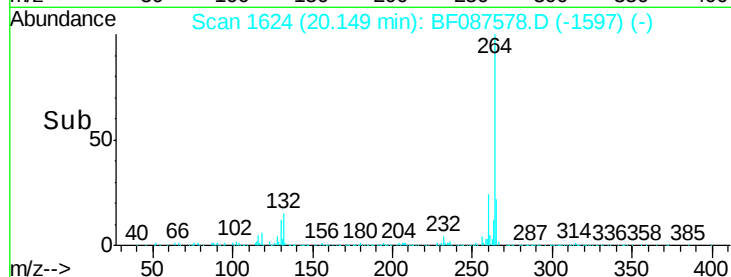
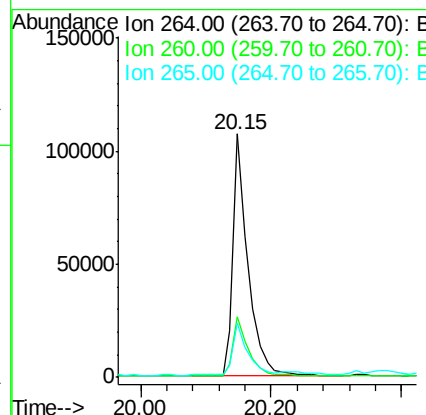
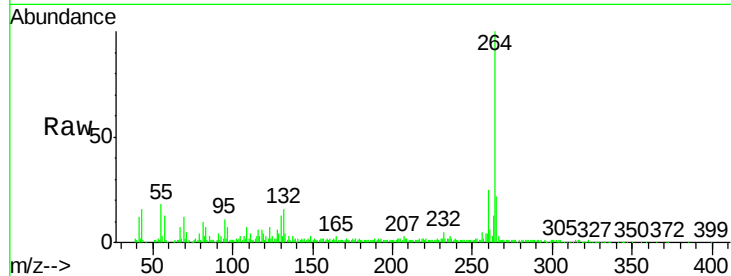


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.15 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion: 264 Resp: 170198

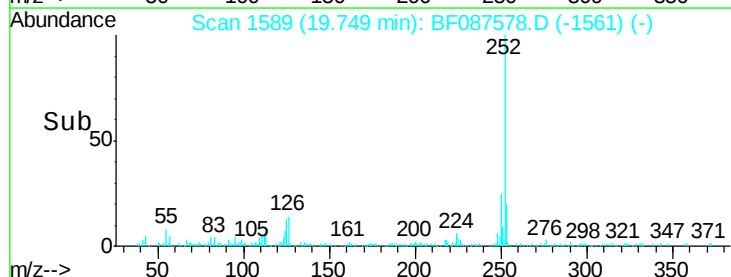
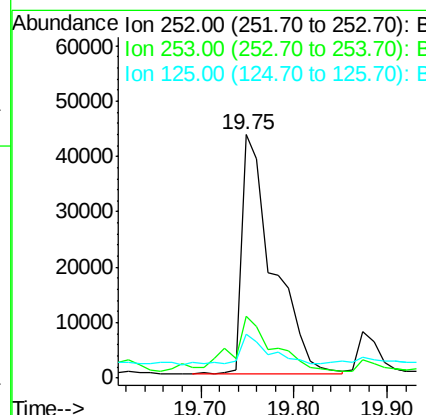
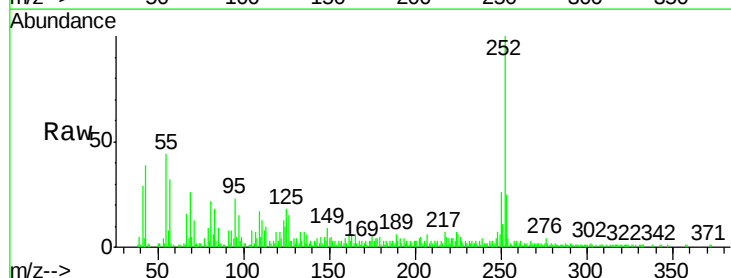
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.3	17.3	25.9

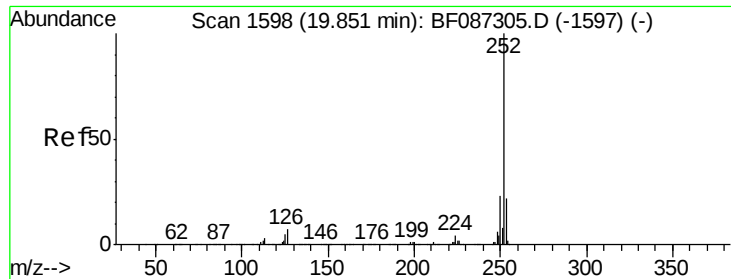


#87
Benzo(b)fluoranthene
Concen: 9.37 ng
RT: 19.75 min Scan# 1589
Delta R.T. 0.02 min
Lab File: BF087578.D
Acq: 31 May 2016 7:20

Tgt Ion: 252 Resp: 101540

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.6
125	18.3	11.4	17.0#





#88

Benzo(k)fluoranthene

Concen: 10.88 ng

RT: 19.75 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

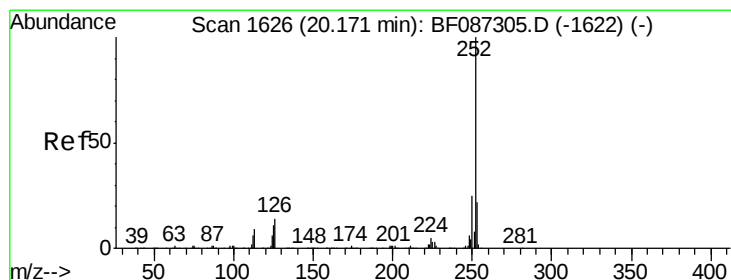
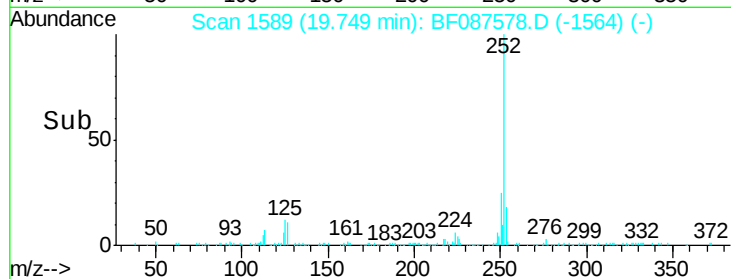
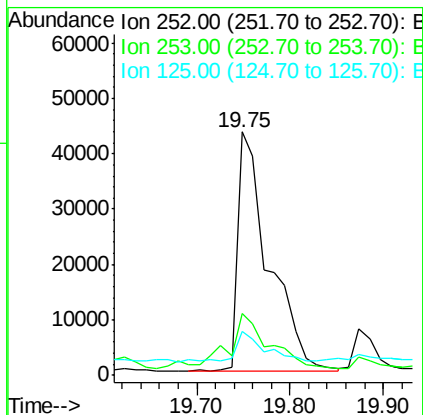
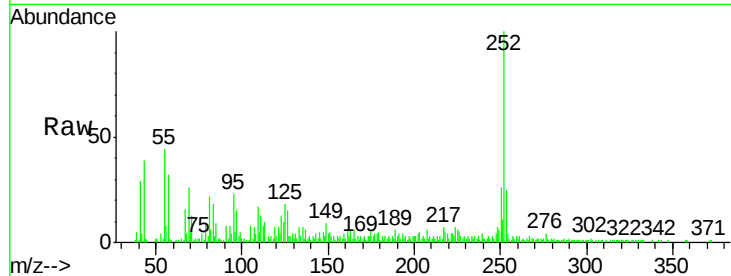
Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:	252	Resp:	101540
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.8	26.6
125	18.3	9.1	13.7#



#89

Benzo(a)pyrene

Concen: 5.52 ng

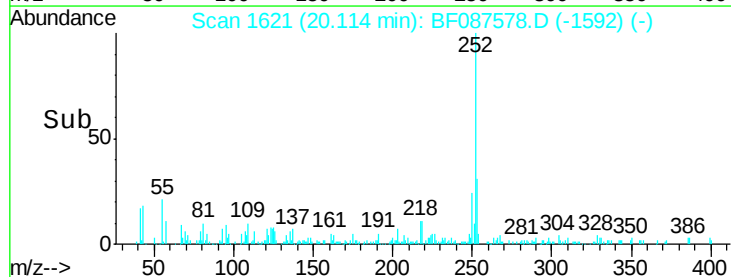
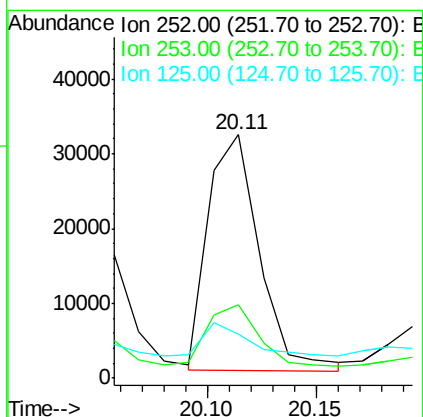
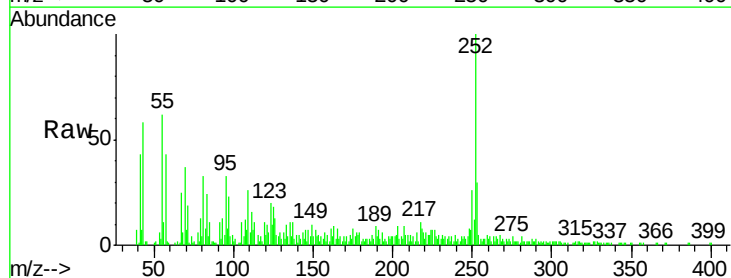
RT: 20.11 min Scan# 1621

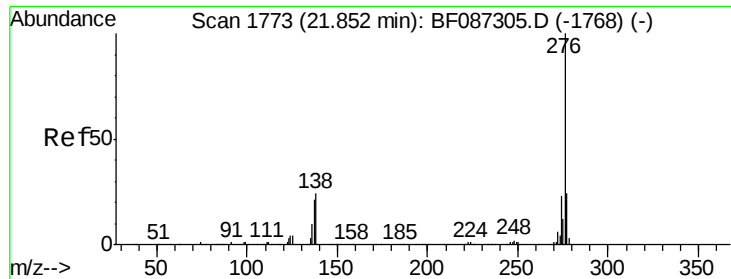
Delta R.T. 0.03 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Tgt Ion:	252	Resp:	51798
Ion Ratio	Lower	Upper	
252	100		
253	29.9	17.2	25.8#
125	18.0	9.0	13.6#





#91

Benzo(g,h,i)perylene

Concen: 3.14 ng

RT: 21.84 min Scan# 1772

Delta R.T. 0.13 min

Lab File: BF087578.D

Acq: 31 May 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

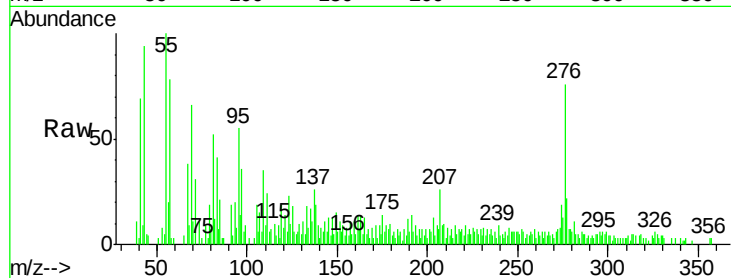
Tgt Ion: 276 Resp: 24747

Ion Ratio Lower Upper

276 100

277 29.1 19.6 29.4

138 24.4 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

