

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087607.D
 Acq On : 1 Jun 2016 6:02
 Operator : UM/SJ
 Sample : H3323-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Jun 01 06:56:16 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

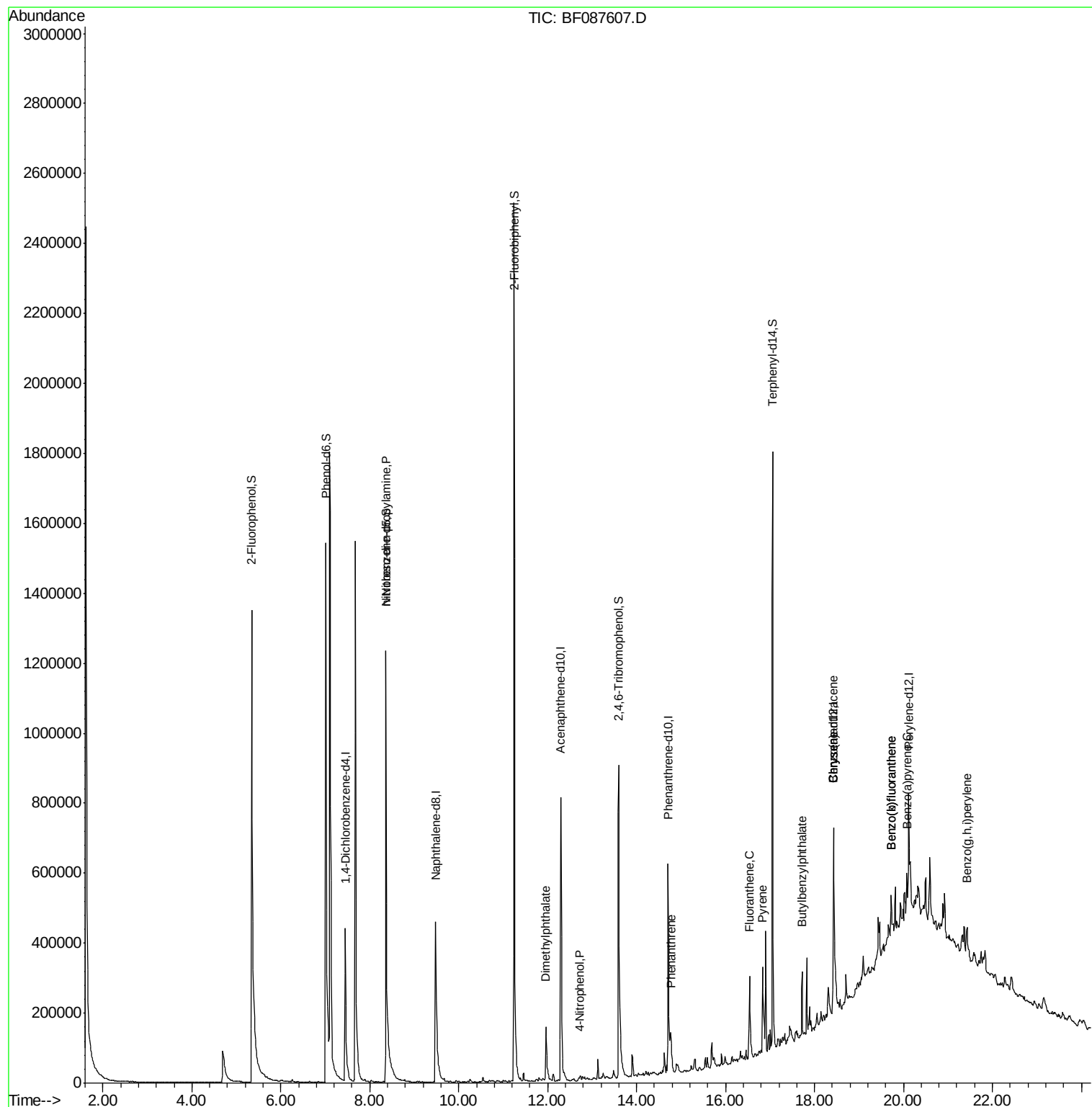
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	123778	20.00	ng	-0.07
21) Naphthalene-d8	9.48	136	511810	20.00	ng	-0.07
38) Acenaphthene-d10	12.30	164	215385	20.00	ng	-0.09
63) Phenanthrene-d10	14.71	188	340598	20.00	ng	-0.07
75) Chrysene-d12	18.42	240	261454	20.00	ng	-0.06
86) Perylene-d12	20.11	264	215411	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	733378	104.11	ng	-0.07
7) Phenol-d6	7.02	99	1031924	108.41	ng	-0.06
23) Nitrobenzene-d5	8.36	82	665773	65.56	ng	-0.08
41) 2,4,6-Tribromophenol	13.60	330	184400	89.09	ng	-0.08
44) 2-Fluorobiphenyl	11.24	172	1084503	70.98	ng	-0.09
78) Terphenyl-d14	17.06	244	731930	59.52	ng	-0.07
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.36	70	75915	10.69	ng	# 74
49) Dimethylphthalate	11.95	163	121168	7.02	ng	100
55) 4-Nitrophenol	12.73	139	3595	2.11	ng	# 14
70) Phenanthrene	14.77	178	118479	6.28	ng	99
74) Fluoranthene	16.54	202	174988	9.25	ng	92
77) Pyrene	16.83	202	171841	9.13	ng	96
79) Butylbenzylphthalate	17.73	149	54774	6.56	ng	# 88
80) Benzo(a)anthracene	18.42	228	63225	4.25	ng	98
82) Chrysene	18.42	228	63225	4.28	ng	95
87) Benzo(b)fluoranthene	19.73	252	117946	8.60	ng	97
88) Benzo(k)fluoranthene	19.73	252	117946	9.99	ng	# 94
89) Benzo(a)pyrene	20.08	252	57767	4.87	ng	# 93
91) Benzo(g,h,i)perylene	21.43	276	26229	2.63	ng	96

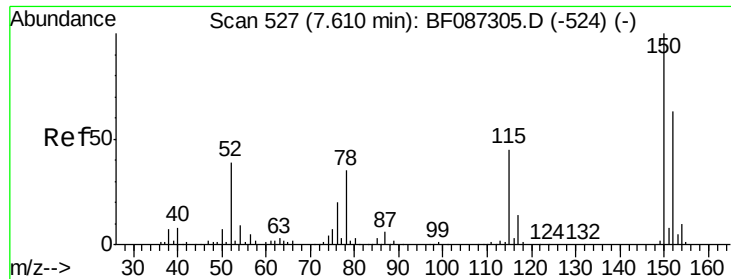
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.07 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

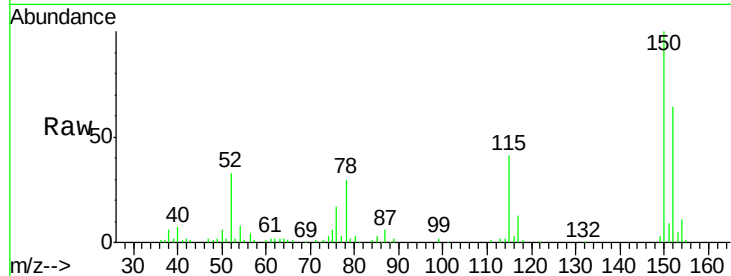
Tgt Ion:152 Resp: 123778

Ion Ratio Lower Upper

152 100

150 156.1 125.8 188.6

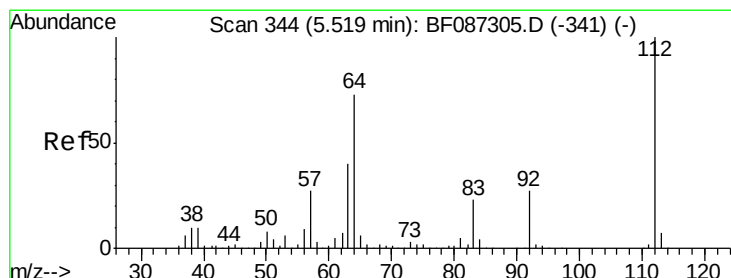
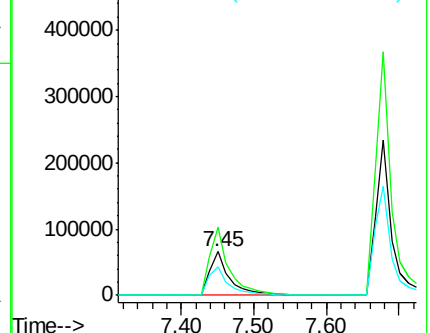
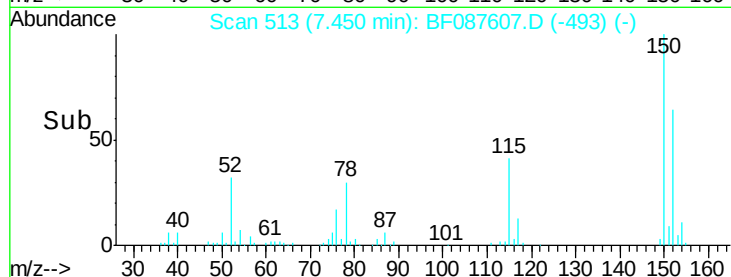
115 63.9 51.5 77.3



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: 104.11 ng

RT: 5.35 min Scan# 329

Delta R.T. -0.07 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

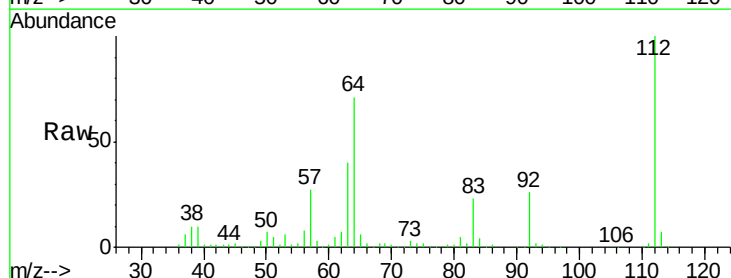
Tgt Ion:112 Resp: 733378

Ion Ratio Lower Upper

112 100

64 71.2 52.1 78.1

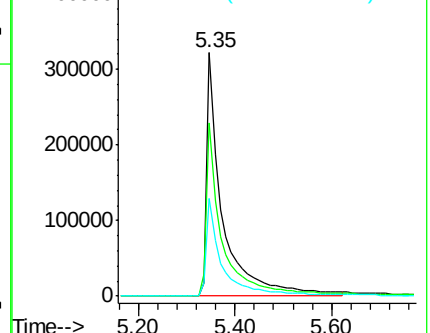
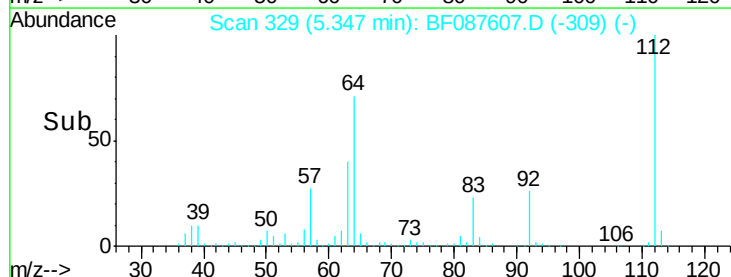
63 40.0 25.7 38.5

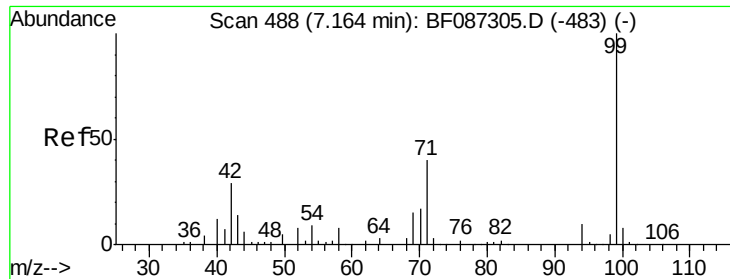


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.41 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.06 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

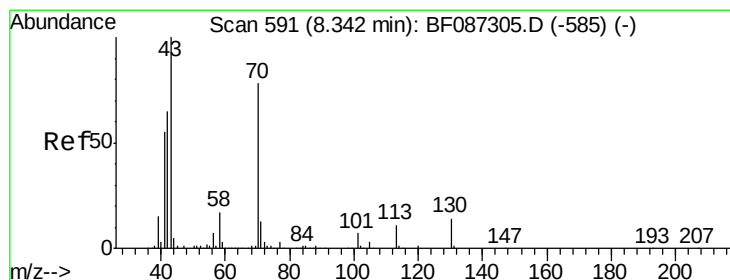
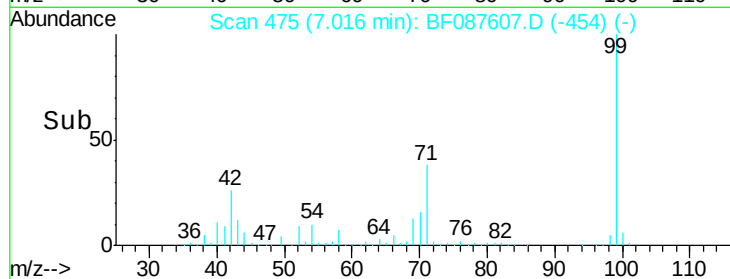
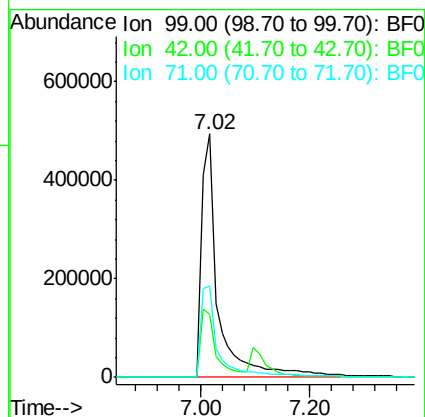
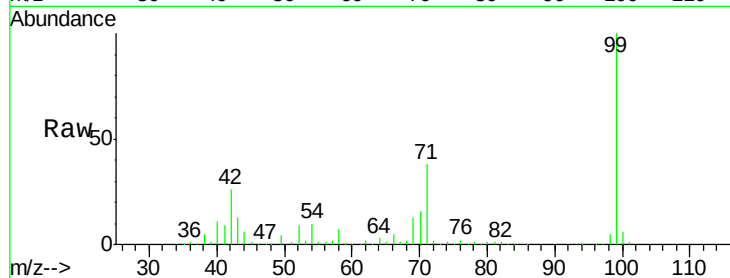
Tgt Ion: 99 Resp: 1031924

Ion Ratio Lower Upper

99 100

42 26.0 13.6 20.4#

71 37.6 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 10.69 ng

RT: 8.36 min Scan# 593

Delta R.T. 0.11 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Tgt Ion: 70 Resp: 75915

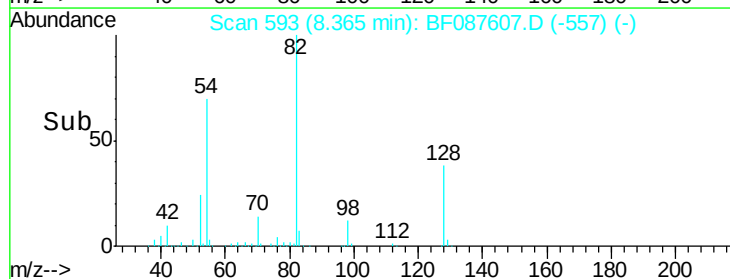
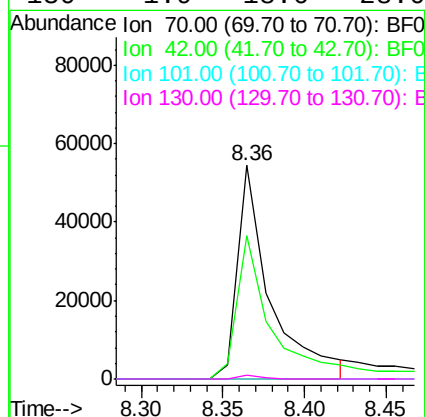
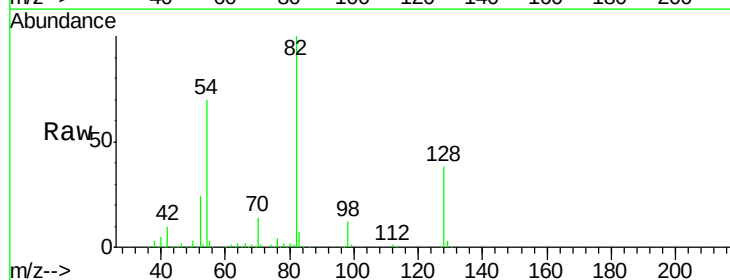
Ion Ratio Lower Upper

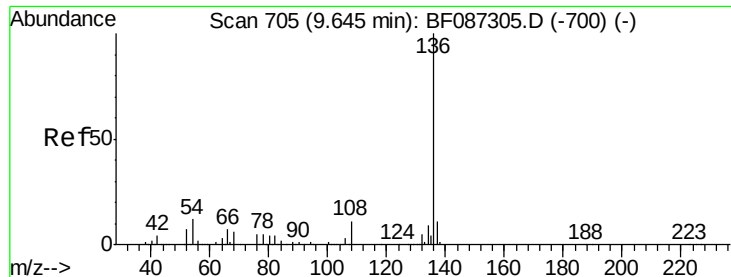
70 100

42 66.9 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.07 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 511810

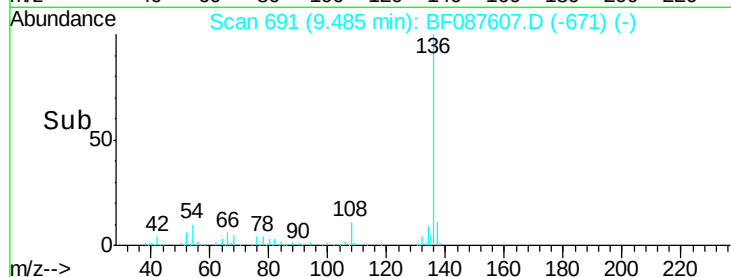
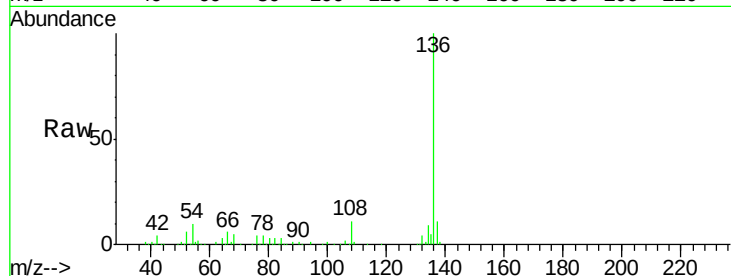
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.0 5.0 7.4#

68 4.7 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

Time-->

9.48

200000

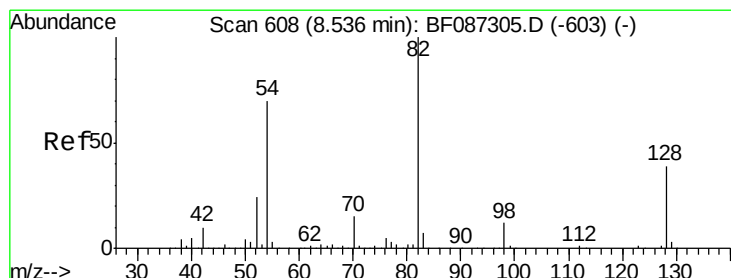
150000

100000

50000

0

9.40 9.50 9.60 9.70 9.80



#23

Nitrobenzene-d5

Concen: 65.56 ng

RT: 8.36 min Scan# 593

Delta R.T. -0.08 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

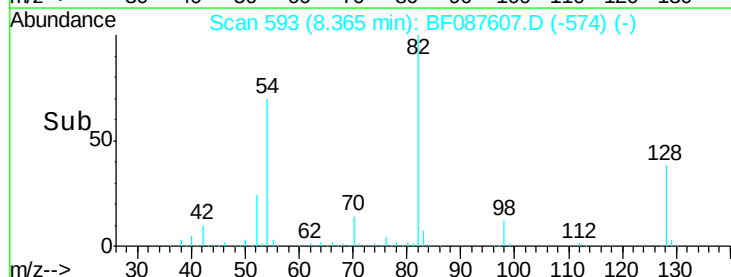
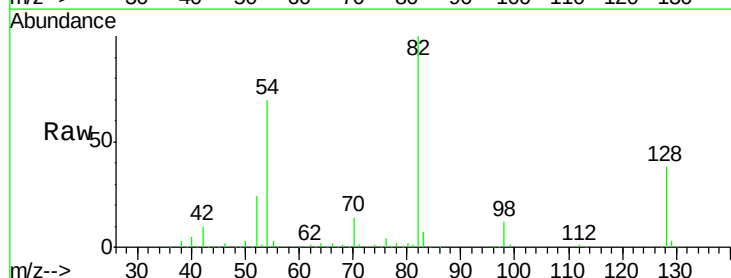
Tgt Ion: 82 Resp: 665773

Ion Ratio Lower Upper

82 100

128 38.4 40.6 61.0#

54 69.6 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

Time-->

8.36

500000

400000

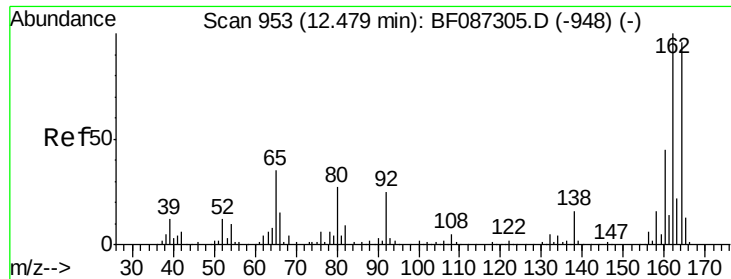
300000

200000

100000

0

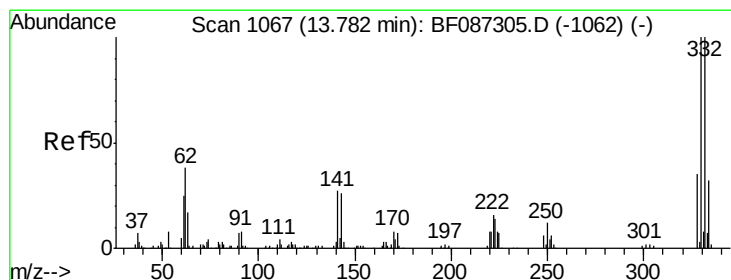
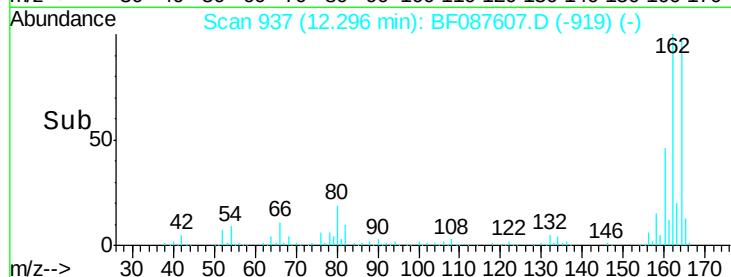
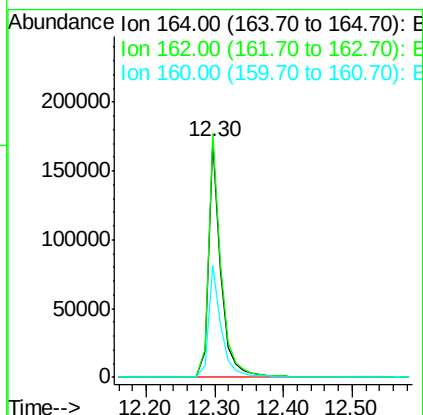
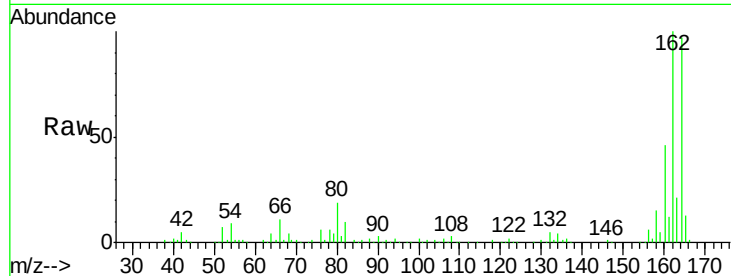
8.20 8.40 8.60



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.30 min Scan# 937
 Delta R.T. -0.09 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

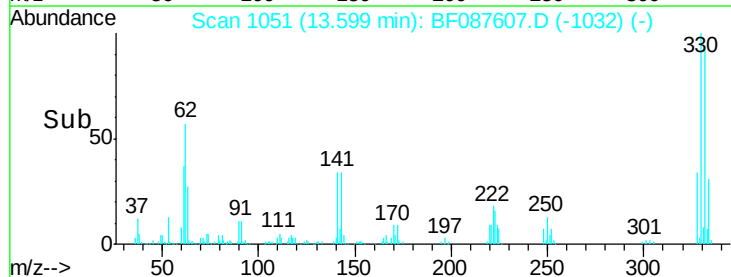
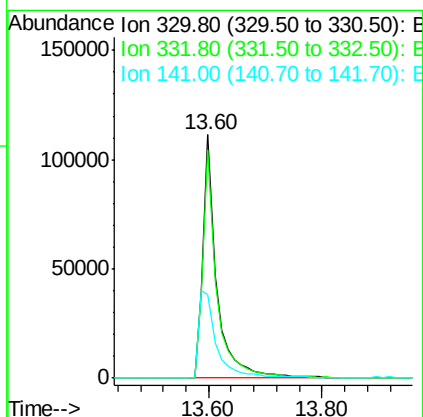
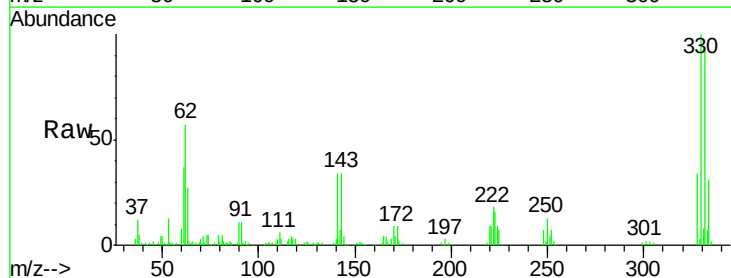
Instrument :
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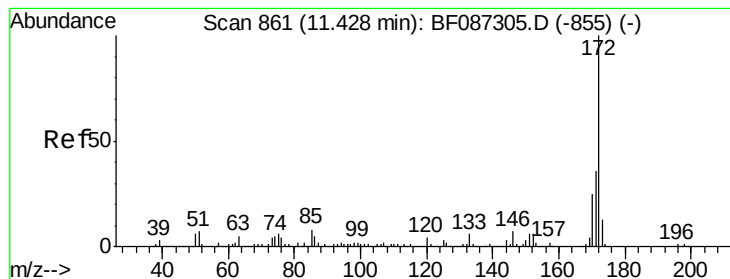
Tgt Ion:164 Resp: 215385
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.8 124.2
 160 47.4 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 89.09 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.08 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

Tgt Ion:330 Resp: 184400
 Ion Ratio Lower Upper
 330 100
 332 94.8 79.0 118.4
 141 46.8 31.2 46.8#

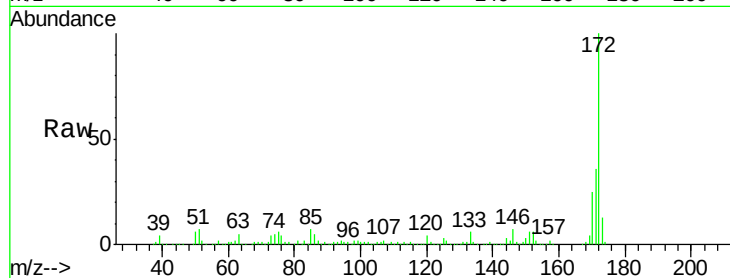




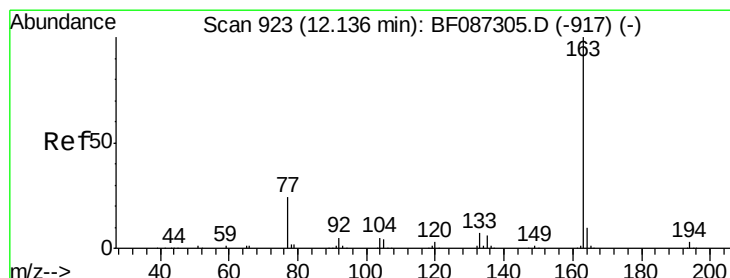
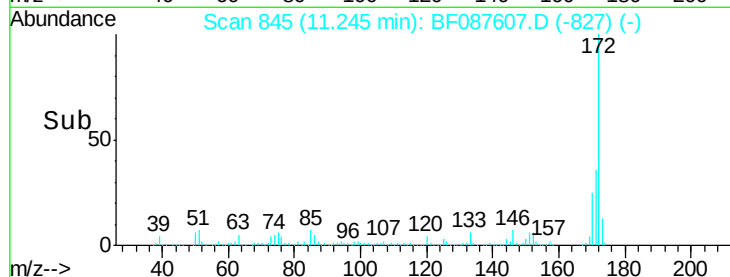
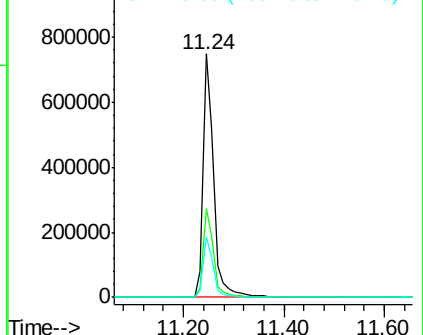
#44
 2-Fluorobiphenyl
 Concen: 70.98 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.09 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Tgt Ion:172 Resp: 1084503
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.8 19.8 29.8

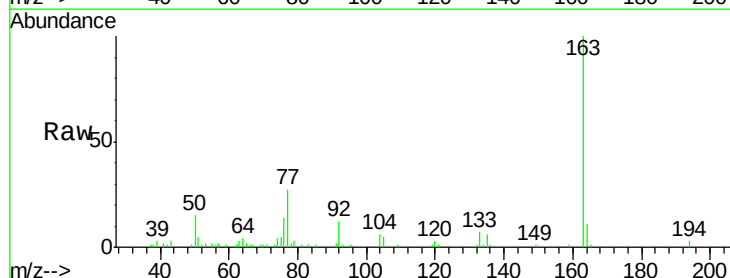


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

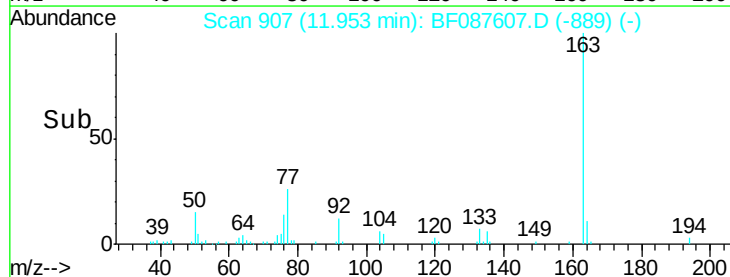
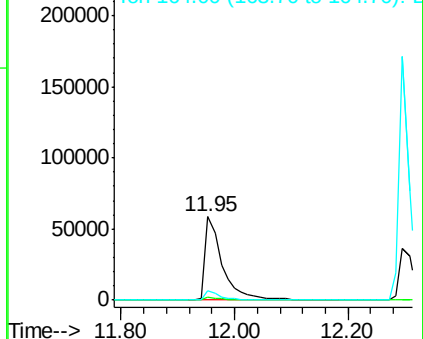


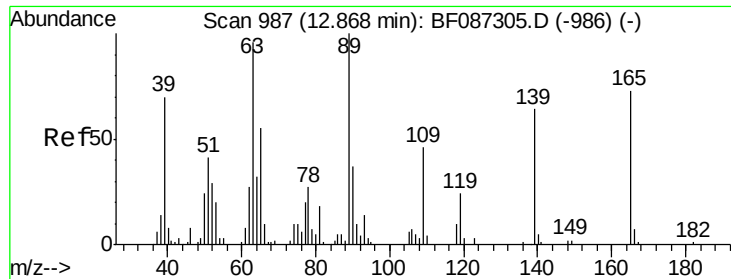
#49
 Dimethylphthalate
 Concen: 7.02 ng
 RT: 11.95 min Scan# 907
 Delta R.T. -0.09 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

Tgt Ion:163 Resp: 121168
 Ion Ratio Lower Upper
 163 100
 194 3.4 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

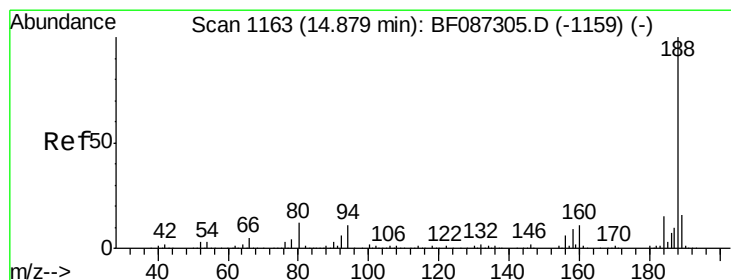
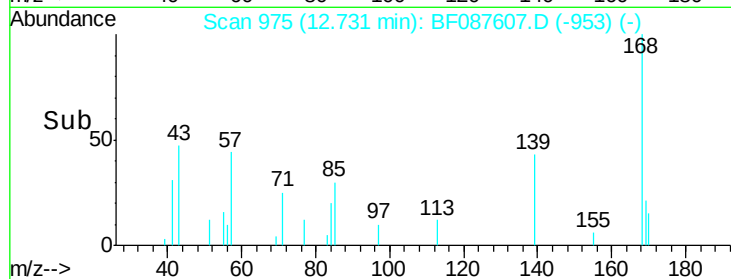
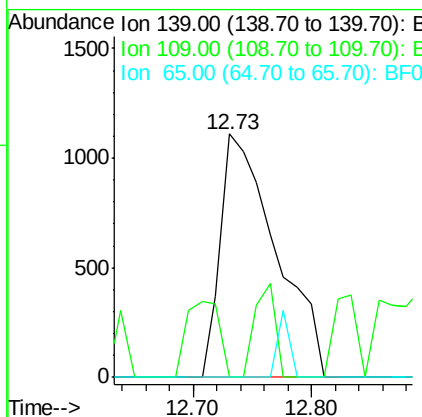
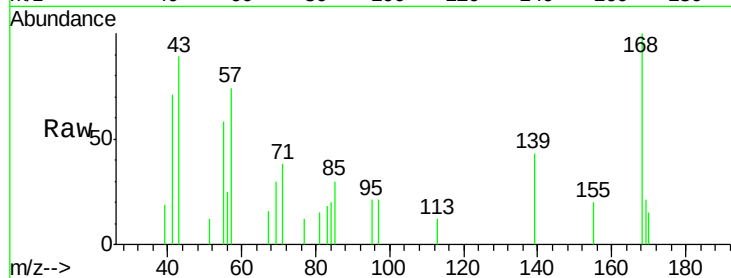




#55
 4-Nitrophenol
 Concen: 2.11 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.05 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

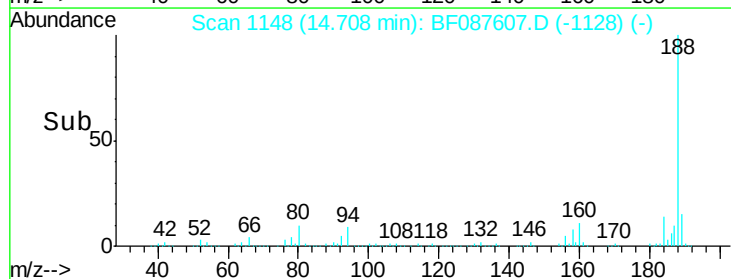
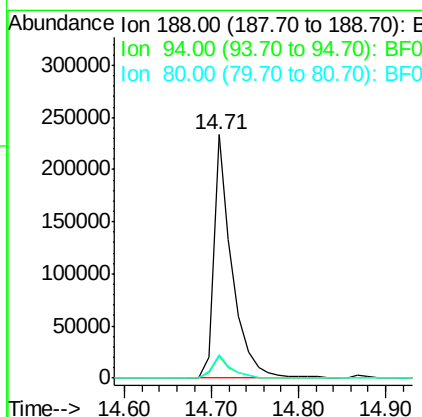
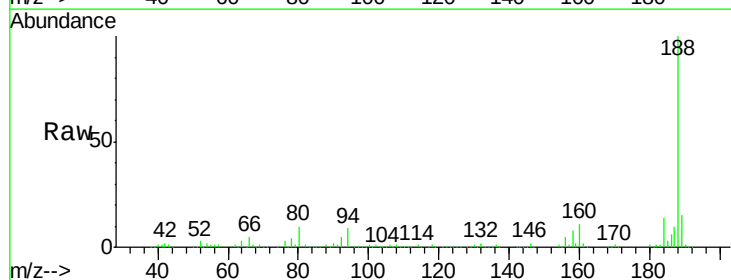
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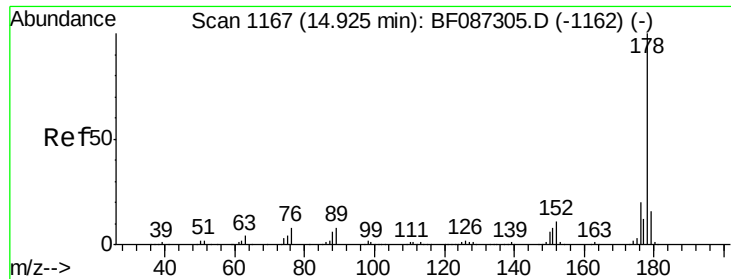
Tgt Ion:139 Resp: 3595
 Ion Ratio Lower Upper
 139 100
 109 0.0 36.9 76.9#
 65 0.0 64.0 104.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.71 min Scan# 1148
 Delta R.T. -0.07 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

Tgt Ion:188 Resp: 340598
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.8 10.2
 80 9.9 7.1 10.7

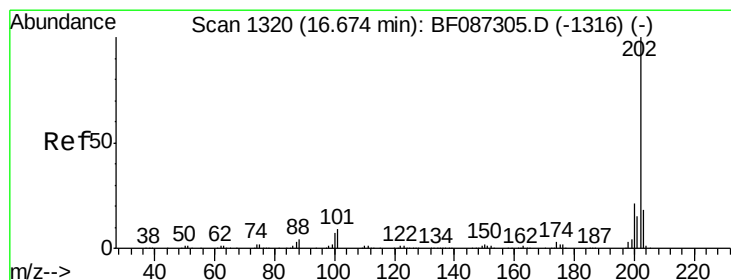
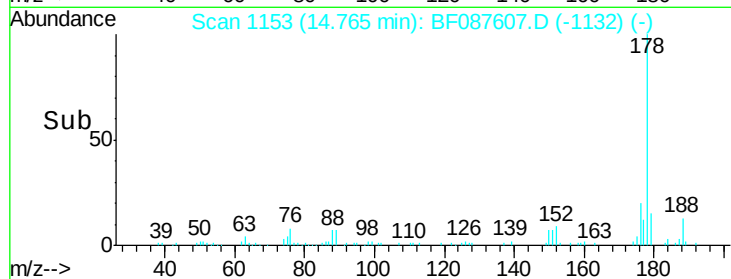
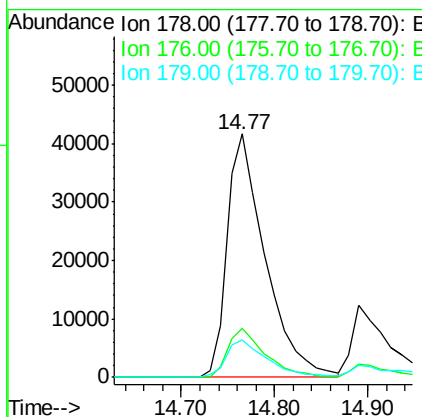
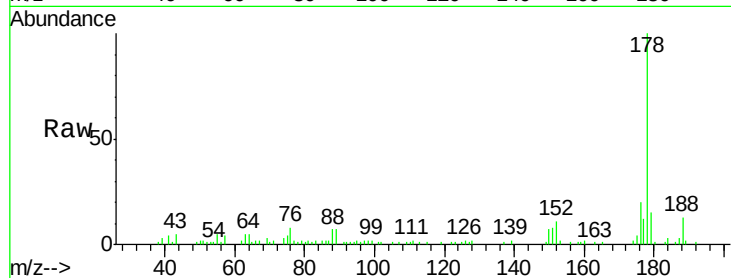




#70
 Phenanthrene
 Concen: 6.28 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. -0.06 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

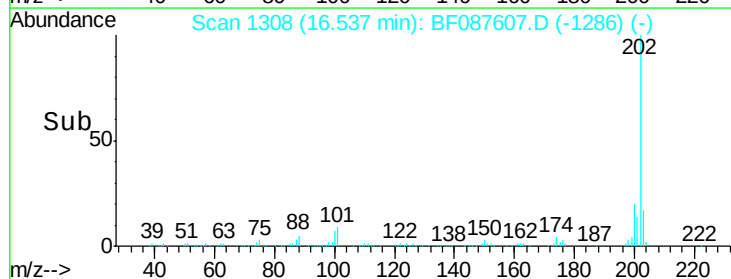
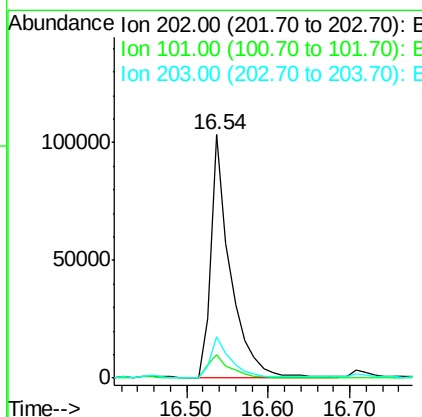
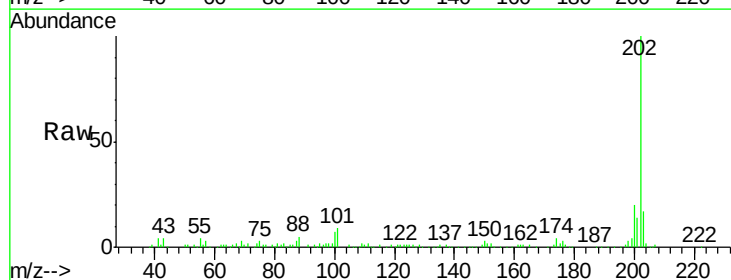
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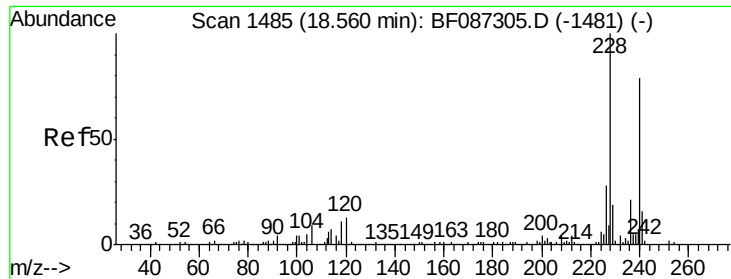
Tgt Ion:178 Resp: 118479
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.0 24.0
 179 15.2 12.6 18.8



#74
 Fluoranthene
 Concen: 9.25 ng
 RT: 16.54 min Scan# 1308
 Delta R.T. -0.05 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

Tgt Ion:202 Resp: 174988
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 35.4
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.42 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

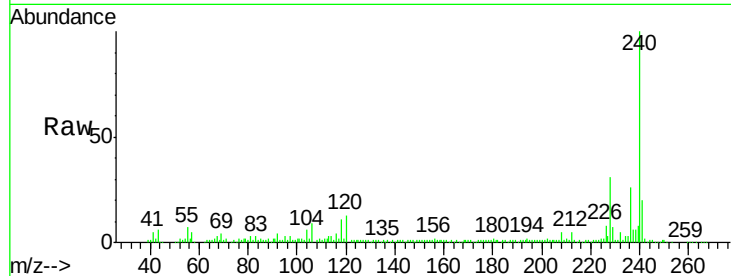
Tgt Ion:240 Resp: 261454

Ion Ratio Lower Upper

240 100

120 12.6 11.2 16.8

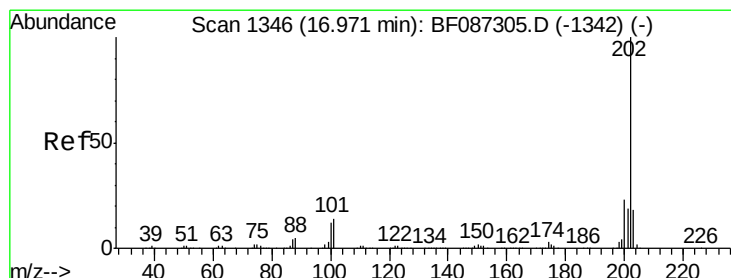
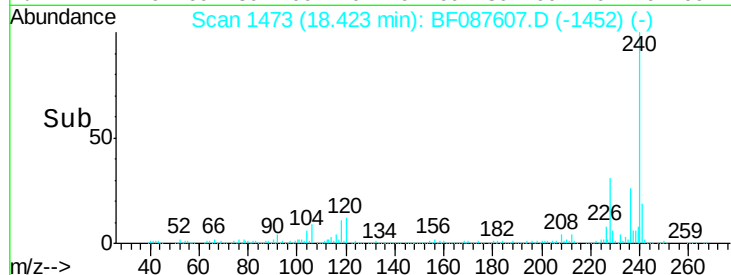
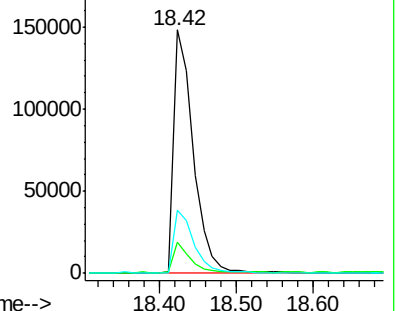
236 25.9 21.2 31.8



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: 9.13 ng

RT: 16.83 min Scan# 1334

Delta R.T. -0.05 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

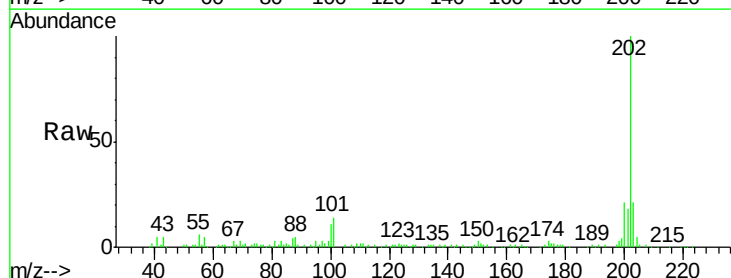
Tgt Ion:202 Resp: 171841

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

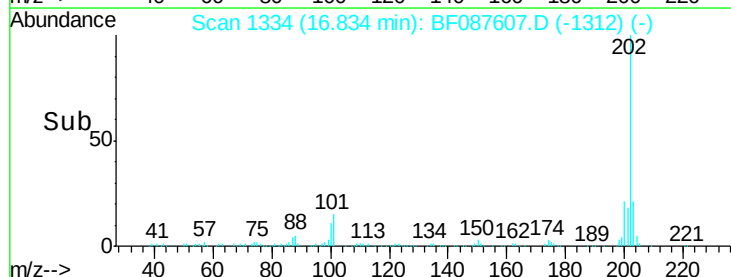
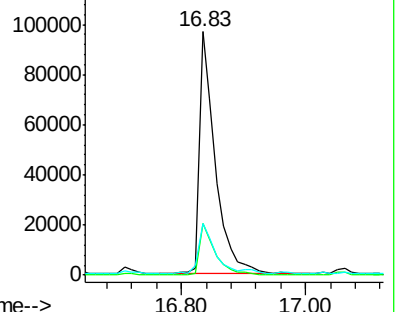
203 21.1 14.2 21.4

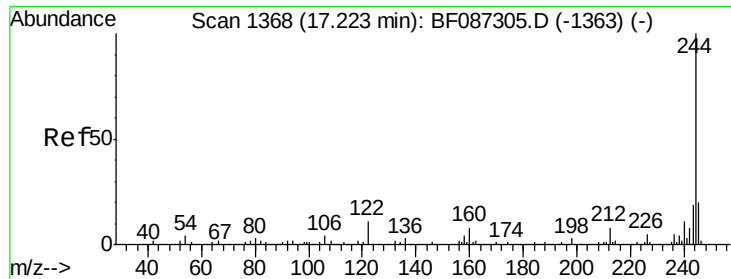


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

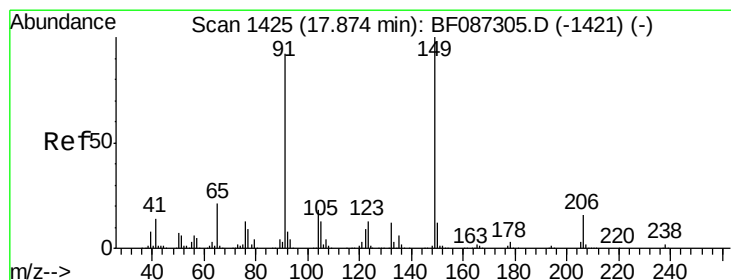
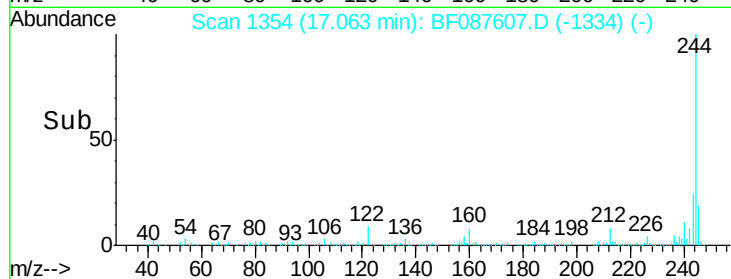
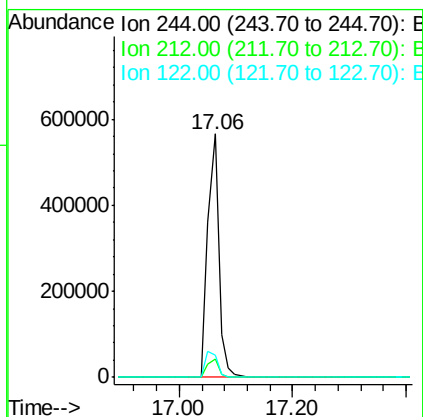
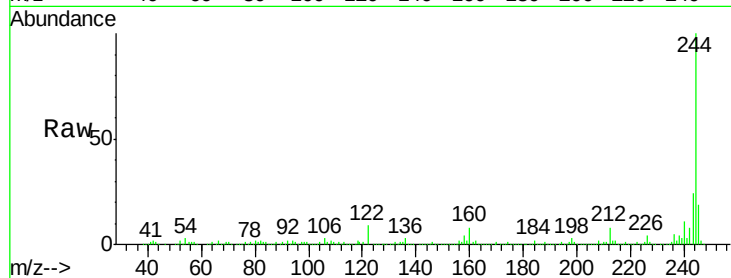




#78
 Terphenyl-d14
 Concen: 59.52 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.07 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

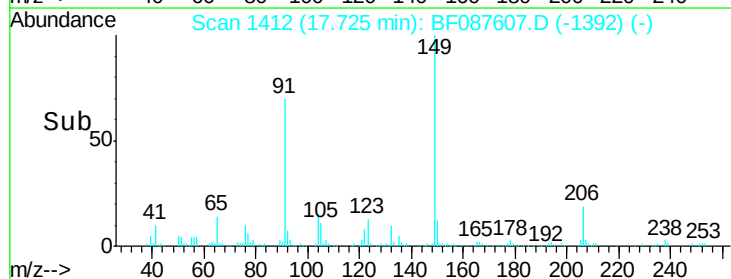
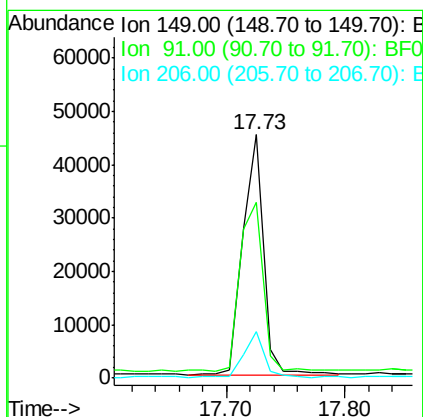
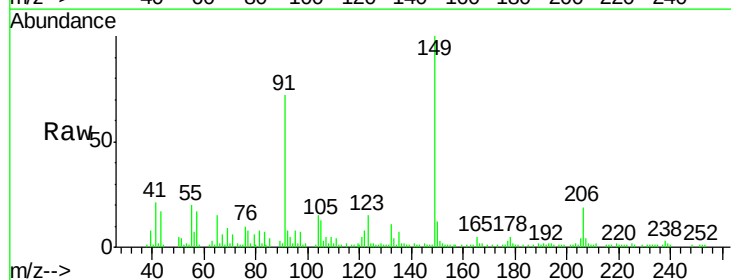
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

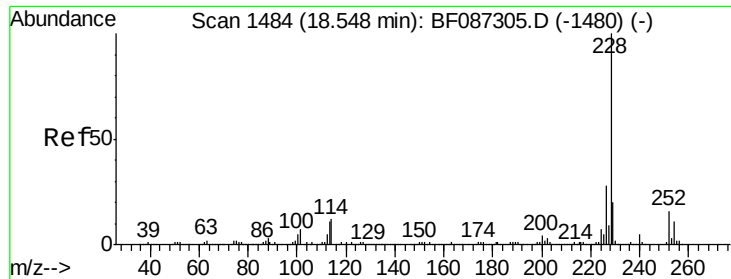
Tgt Ion: 244 Resp: 731930
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 9.1 12.0 18.0#



#79
 Butylbenzylphthalate
 Concen: 6.56 ng
 RT: 17.73 min Scan# 1412
 Delta R.T. -0.07 min
 Lab File: BF087607.D
 Acq: 1 Jun 2016 6:02

Tgt Ion: 149 Resp: 54774
 Ion Ratio Lower Upper
 149 100
 91 72.0 48.0 72.0#
 206 19.0 15.8 23.6





#80

Benzo(a)anthracene

Concen: 4.25 ng

RT: 18.42 min Scan# 1473

Delta R.T. -0.03 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

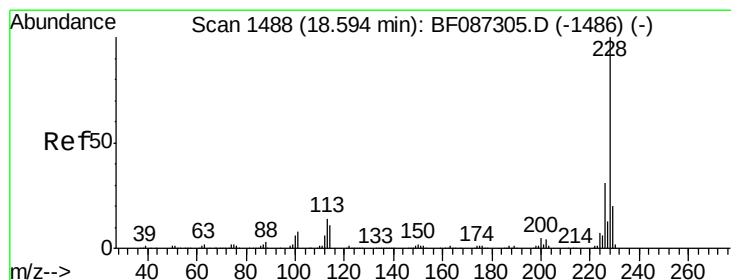
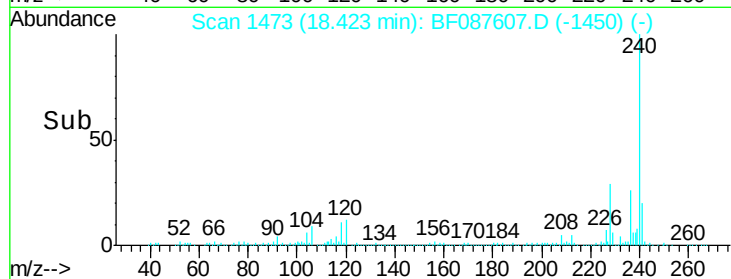
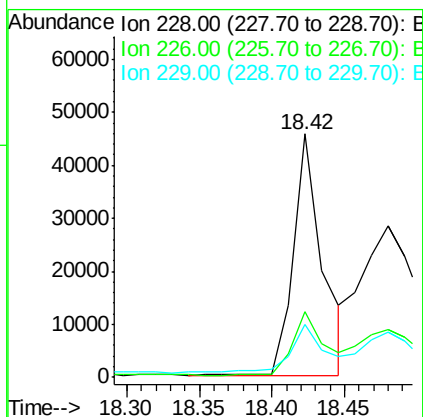
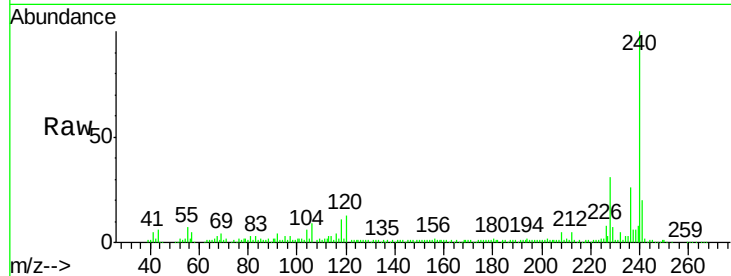
Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:	228	Resp:	63225
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.5	33.7
229	21.6	16.6	25.0



#82

Chrysene

Concen: 4.28 ng

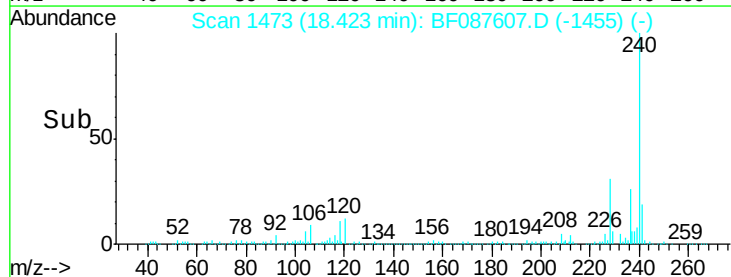
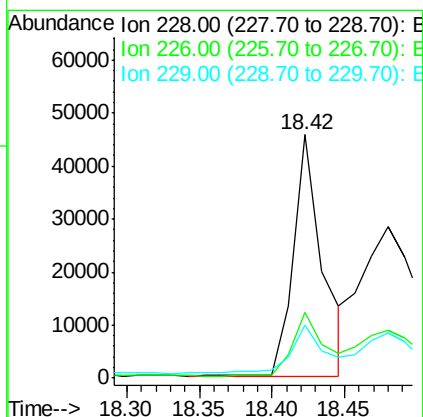
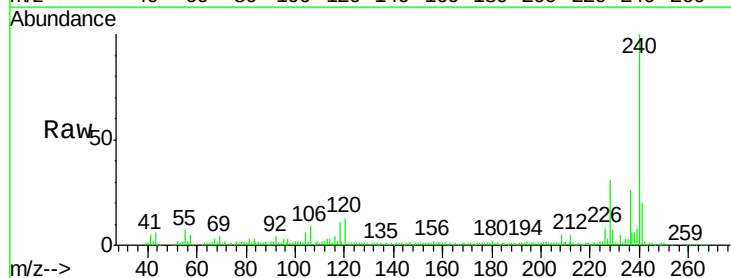
RT: 18.42 min Scan# 1473

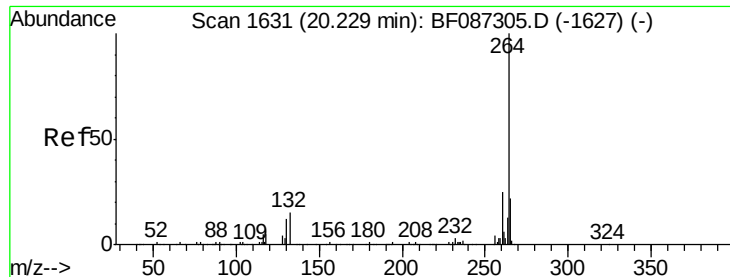
Delta R.T. -0.09 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Tgt Ion:	228	Resp:	63225
Ion Ratio	Lower	Upper	
228	100		
226	27.2	24.4	36.6
229	21.6	15.8	23.8

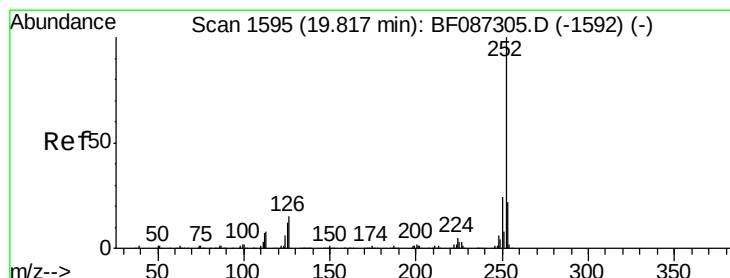
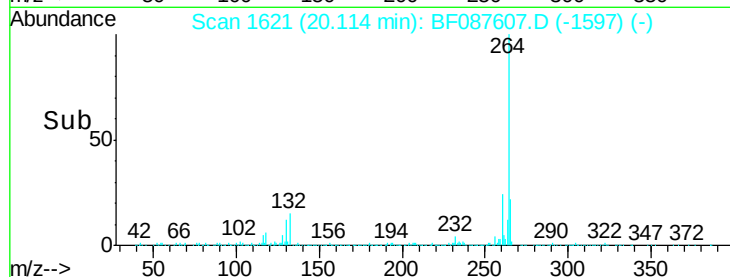
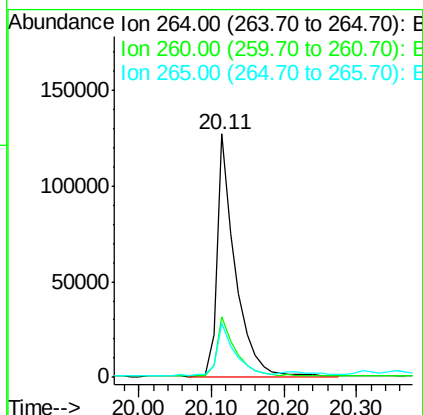
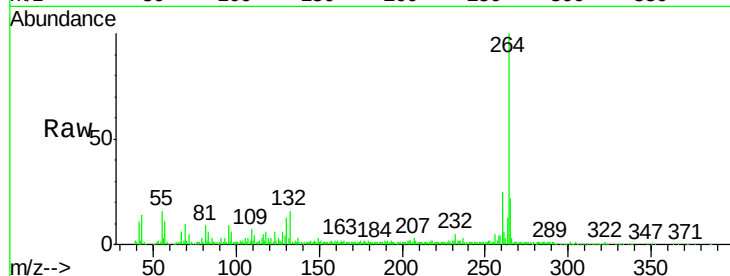




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.11 min Scan# 1621
Delta R.T. -0.02 min
Lab File: BF087607.D
Acq: 1 Jun 2016 6:02

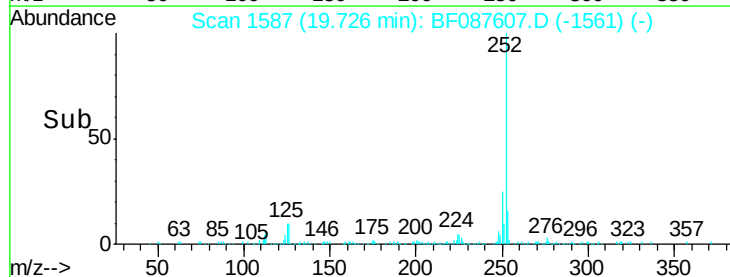
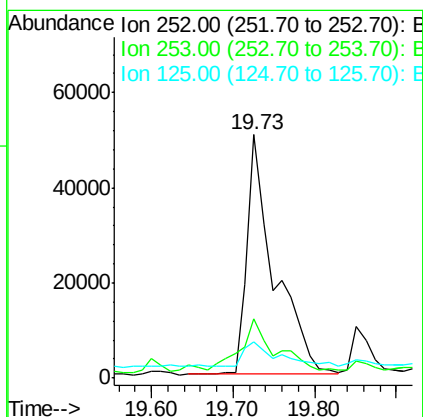
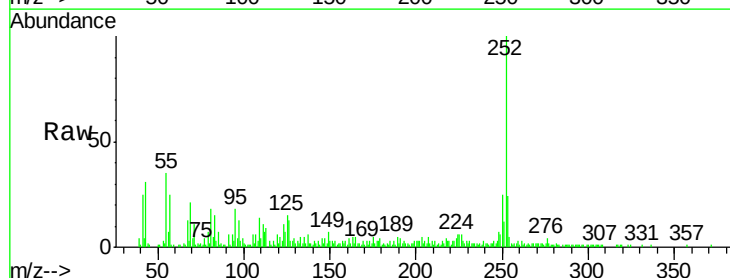
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

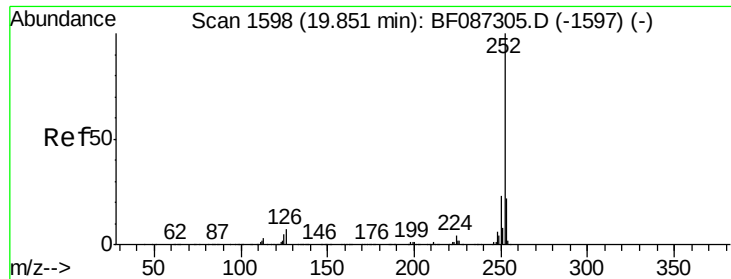
Tgt Ion:264 Resp: 215411
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 22.1 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 8.60 ng
RT: 19.73 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF087607.D
Acq: 1 Jun 2016 6:02

Tgt Ion:252 Resp: 117946
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 15.0 11.4 17.0





#88

Benzo(k)fluoranthene

Concen: 9.99 ng

RT: 19.73 min Scan# 1587

Delta R.T. -0.03 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

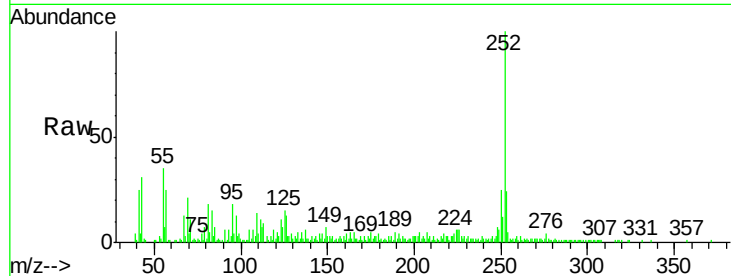
Tgt Ion:252 Resp: 117946

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

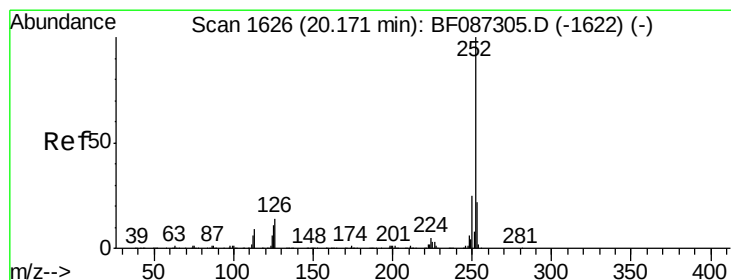
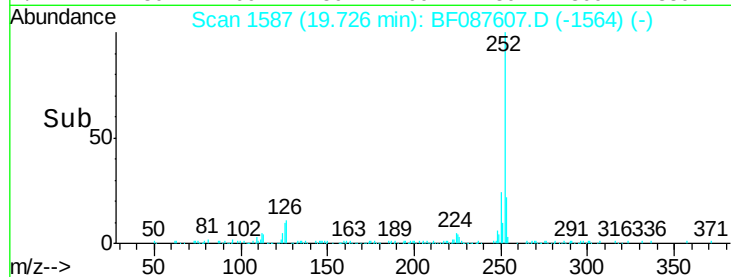
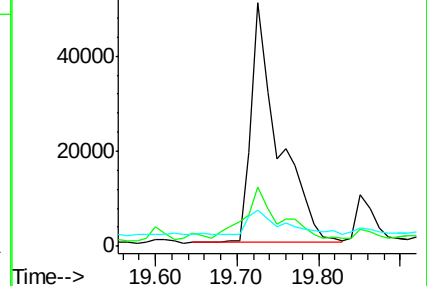
125 15.0 9.1 13.7#



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



#89

Benzo(a)pyrene

Concen: 4.87 ng

RT: 20.08 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

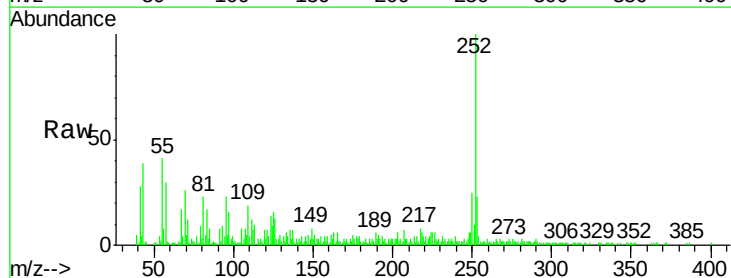
Tgt Ion:252 Resp: 57767

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

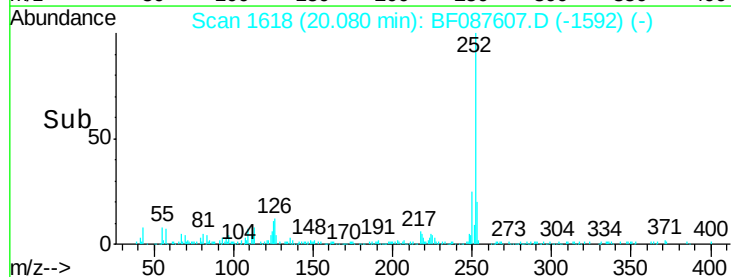
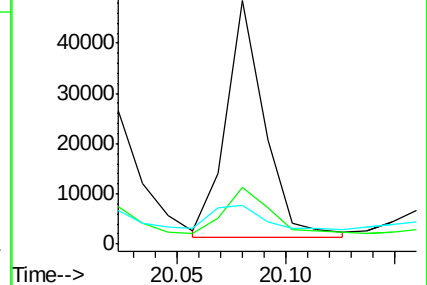
125 15.8 9.0 13.6#

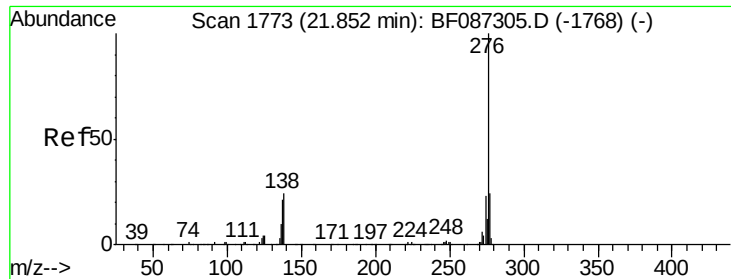


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.63 ng

RT: 21.43 min Scan# 1736

Delta R.T. -0.29 min

Lab File: BF087607.D

Acq: 1 Jun 2016 6:02

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

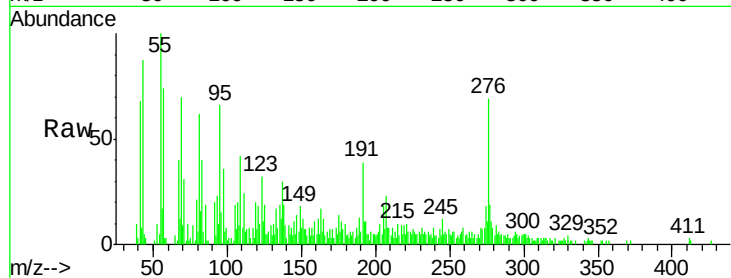
Tgt Ion: 276 Resp: 26229

Ion Ratio Lower Upper

276 100

277 27.1 19.6 29.4

138 27.5 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

