

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085584.D
 Acq On : 19 Mar 2016 20:28
 Operator : UM/SJ
 Sample : H1799-10 25X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)

Quant Time: Mar 21 00:03:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

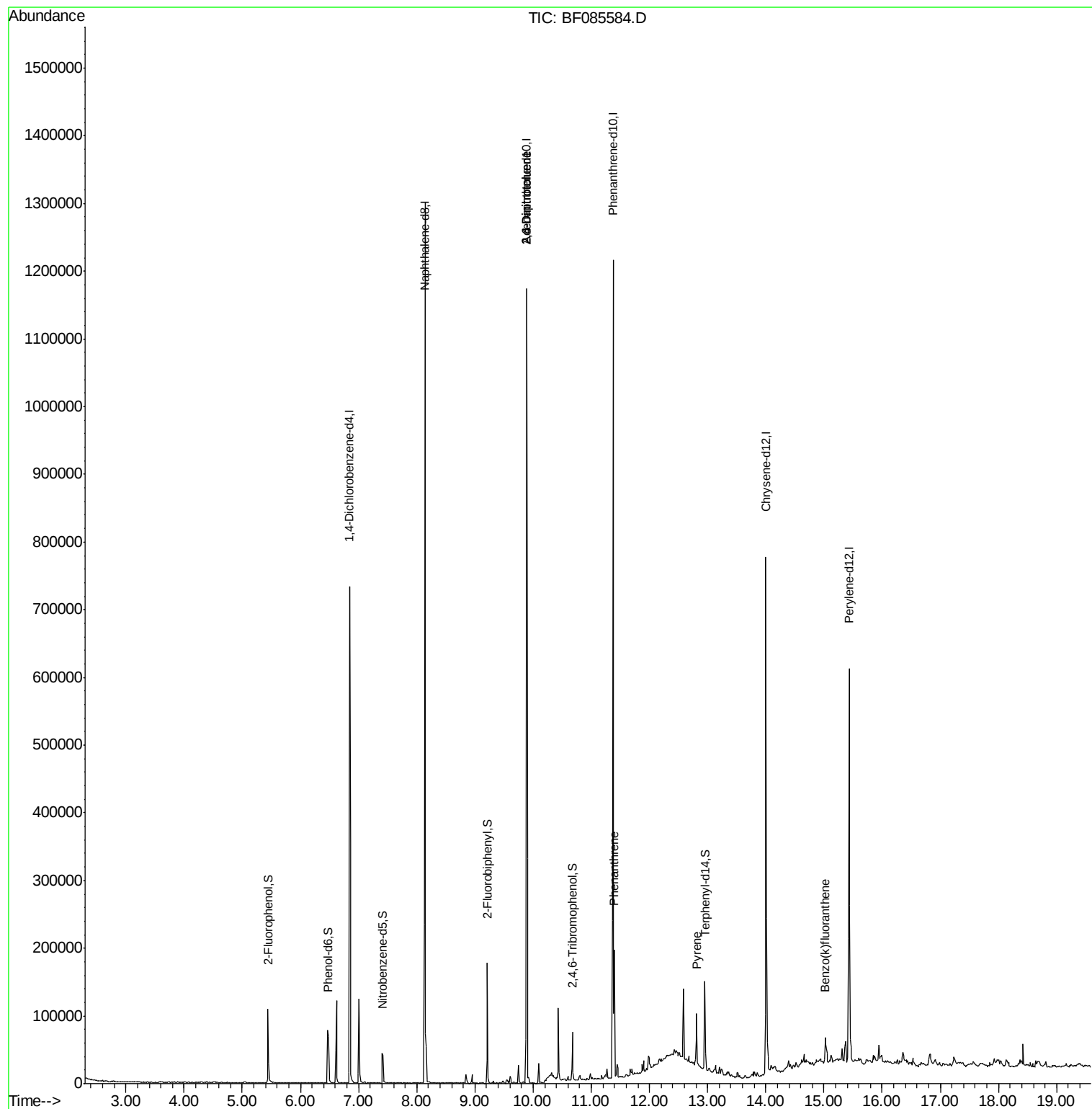
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131634	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	563558	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	231420	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	417297	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	248162	20.00	ng	-0.01
86) Perylene-d12	15.43	264	253084	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	36534	4.66	ng	-0.01
7) Phenol-d6	6.48	99	47178	4.69	ng	-0.01
23) Nitrobenzene-d5	7.41	82	25702	2.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	8097	3.57	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	57752	2.08	ng	-0.01
78) Terphenyl-d14	12.95	244	37709	3.66	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.62	77	766	Below Cal		Qvalue 90
50) 2,6-Dinitrotoluene	9.89	165	29480	8.00 ng	#	19
56) 2,4-Dinitrotoluene	9.89	165	29481	6.11 ng	#	37
70) Phenanthrene	11.40	178	66837	3.04 ng		98
77) Pyrene	12.81	202	37305	2.09 ng		98
88) Benzo(k)fluoranthene	15.02	252	29163	2.14 ng	#	90

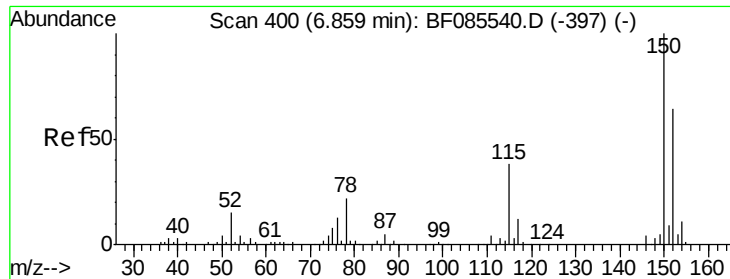
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

AOU2-SB37A(COMP7-21)

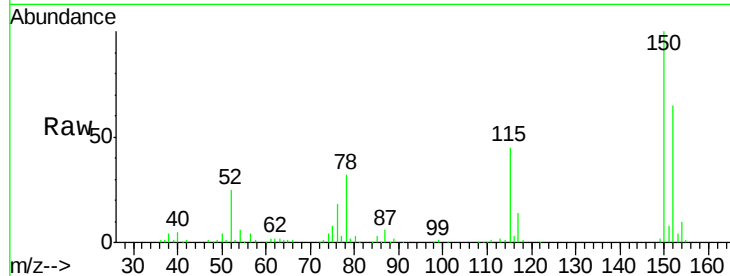
Tgt Ion:152 Resp: 131634

Ion Ratio Lower Upper

152 100

150 154.9 124.2 186.2

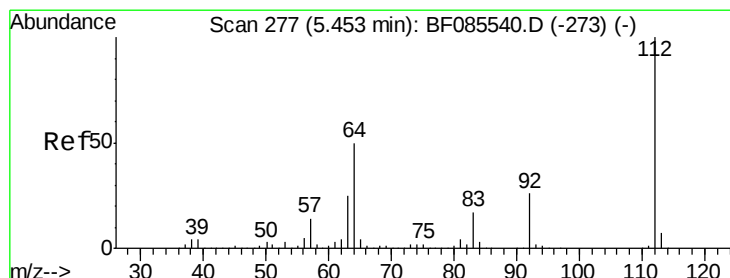
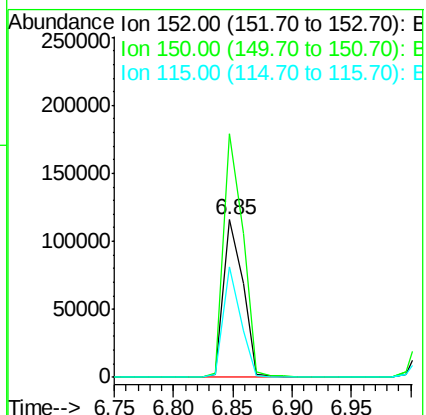
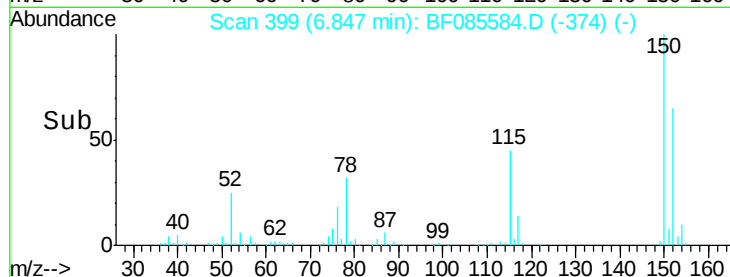
115 70.2 47.0 70.6



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: 4.66 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

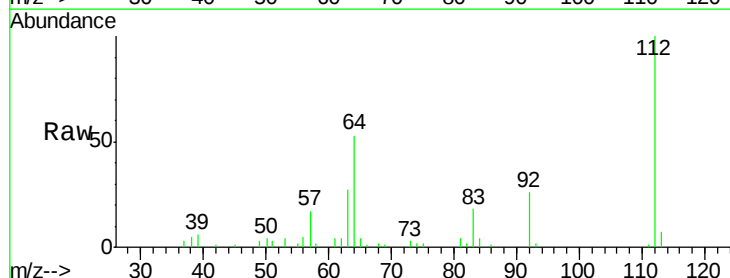
Tgt Ion:112 Resp: 36534

Ion Ratio Lower Upper

112 100

64 53.1 39.9 59.9

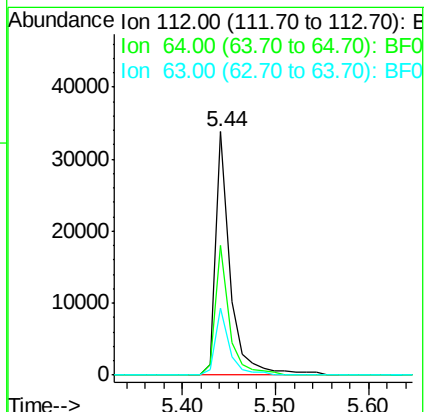
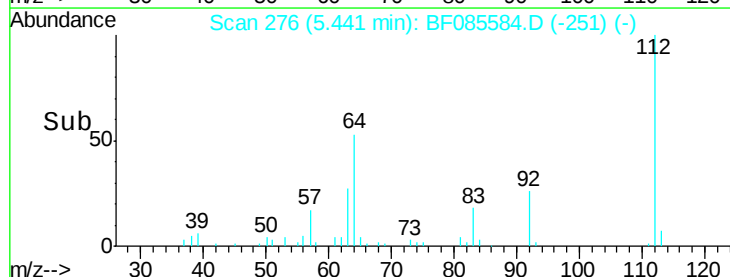
63 27.3 20.2 30.2

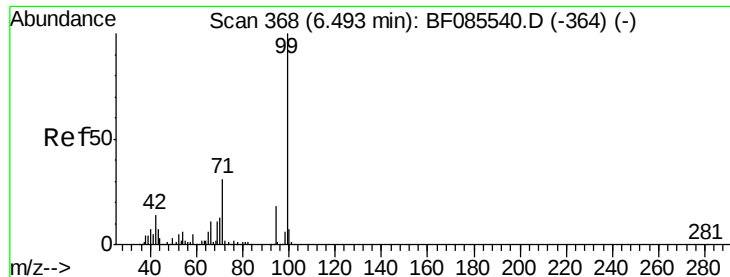


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.69 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

AOU2-SB37A(COMP7-21)

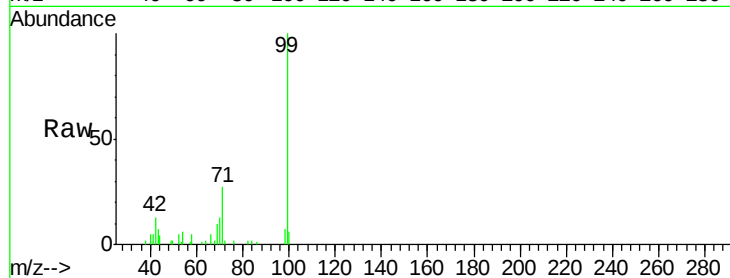
Tgt Ion: 99 Resp: 47178

Ion Ratio Lower Upper

99 100

42 12.9 11.1 16.7

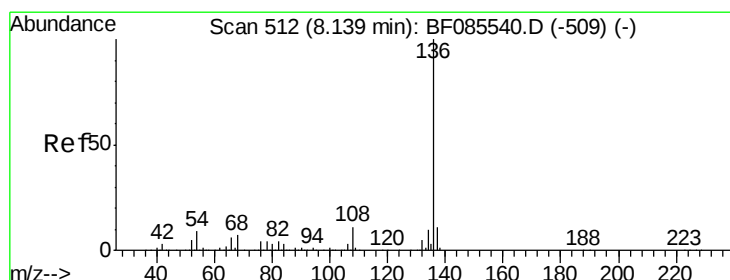
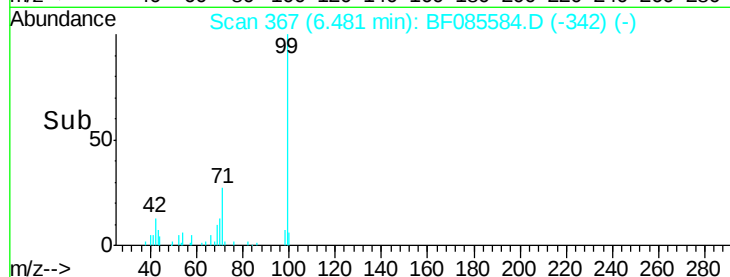
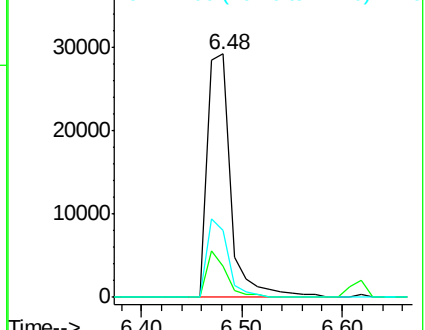
71 27.4 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

Tgt Ion: 136 Resp: 563558

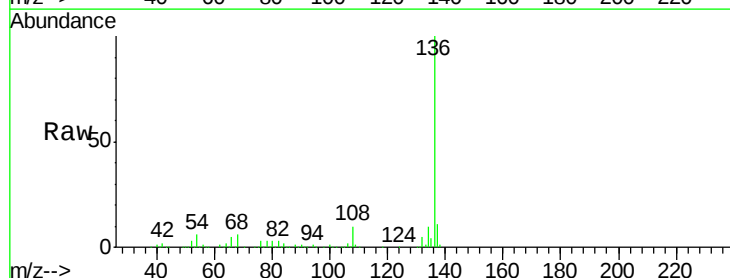
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.3 7.4 11.0#

68 5.5 5.8 8.8#

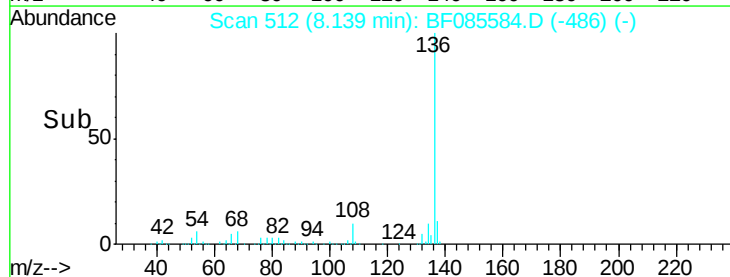
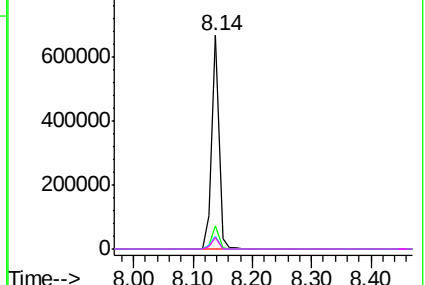


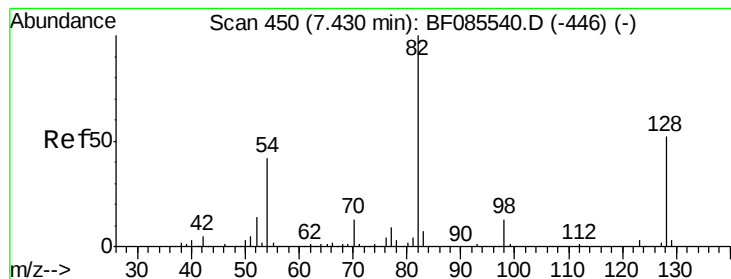
Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.65 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

AOU2-SB37A(COMP7-21)

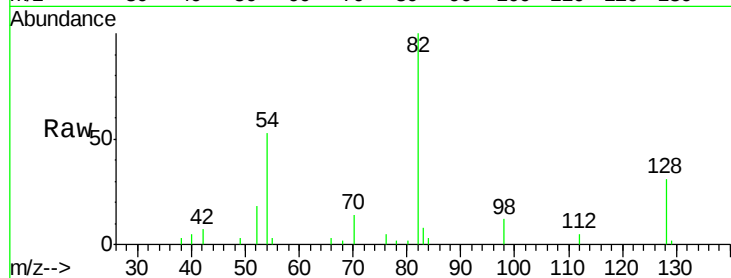
Tgt Ion: 82 Resp: 25702

Ion Ratio Lower Upper

82 100

128 30.6 41.8 62.8#

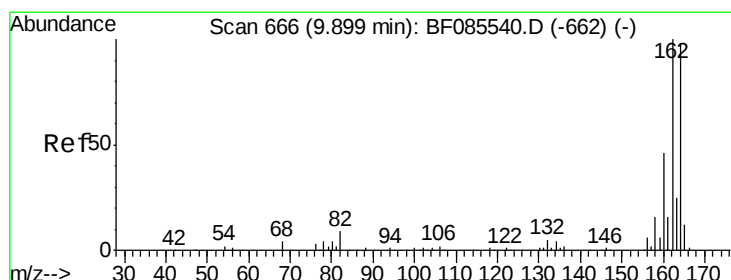
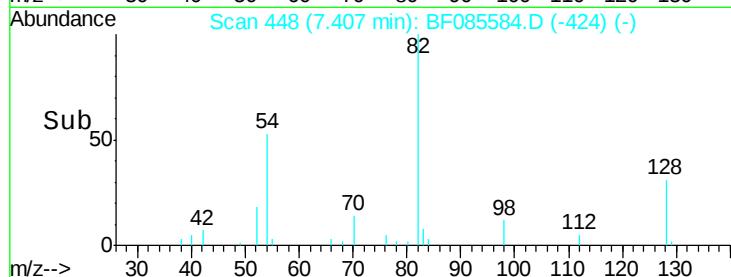
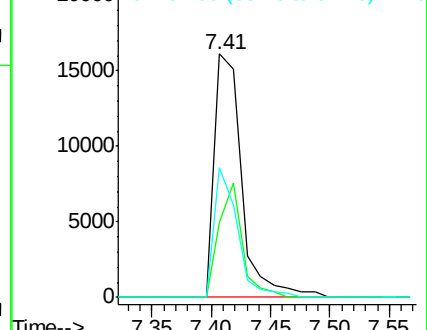
54 53.2 33.4 50.0#



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: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

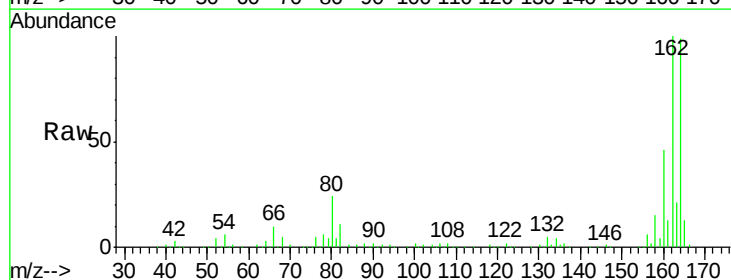
Tgt Ion: 164 Resp: 231420

Ion Ratio Lower Upper

164 100

162 100.8 82.1 123.1

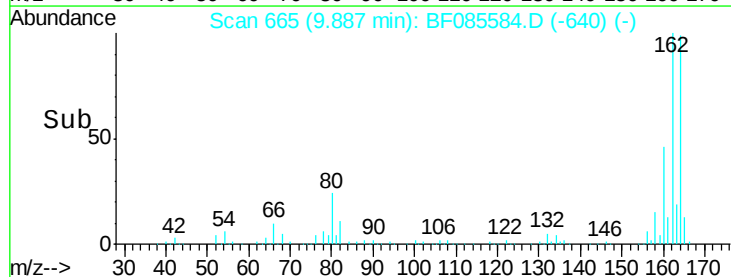
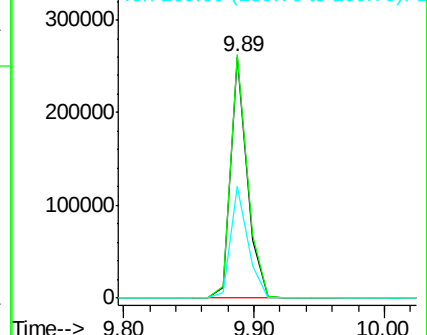
160 46.5 37.4 56.2

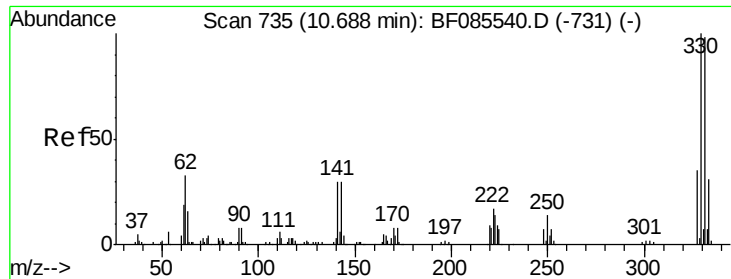


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

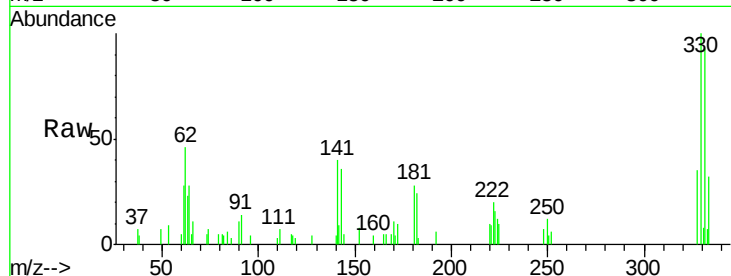




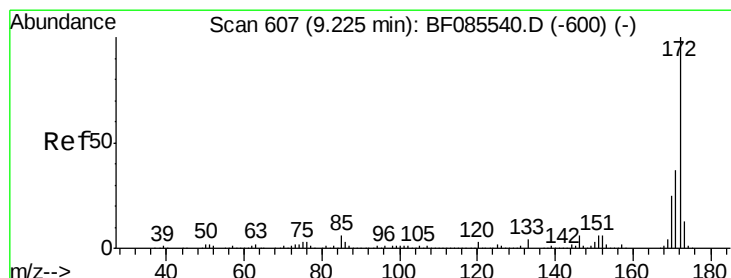
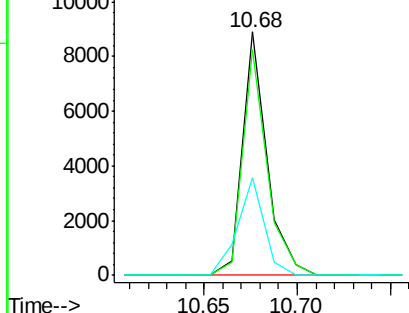
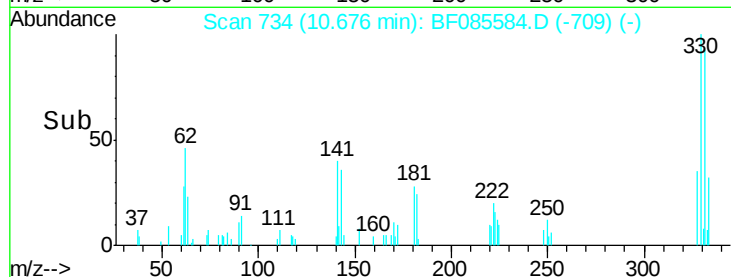
#41
 2,4,6-Tribromophenol
 Concen: 3.57 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085584.D
 Acq: 19 Mar 2016 20:28

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)

Tgt Ion:330 Resp: 8097
 Ion Ratio Lower Upper
 330 100
 332 94.0 78.2 117.2
 141 43.8 31.5 47.3

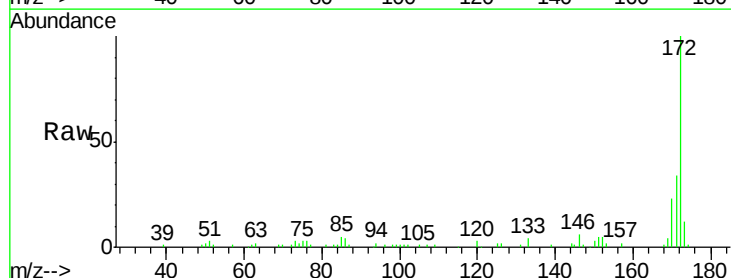


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

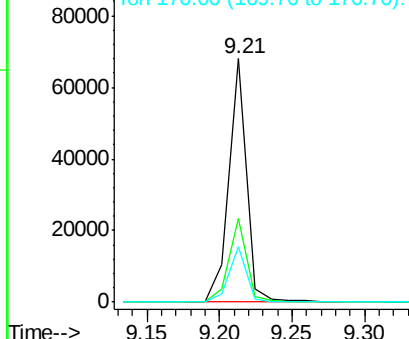
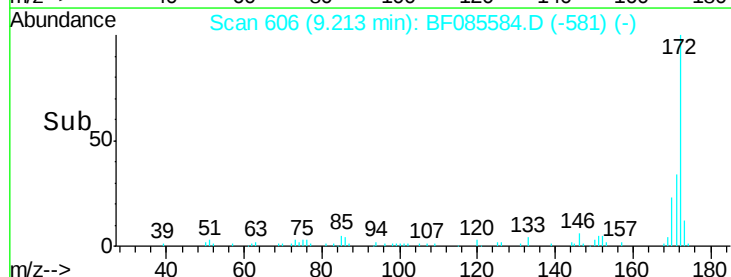


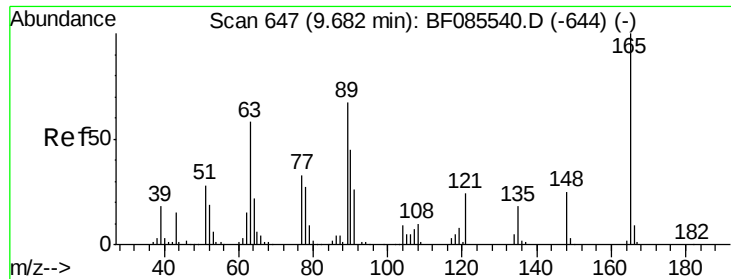
#44
 2-Fluorobiphenyl
 Concen: 2.08 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085584.D
 Acq: 19 Mar 2016 20:28

Tgt Ion:172 Resp: 57752
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.2
 170 22.9 19.8 29.6



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





#50

2,6-Dinitrotoluene

Concen: 8.00 ng

RT: 9.89 min Scan# 665

Delta R.T. 0.21 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

AOU2-SB37A(COMP7-21)

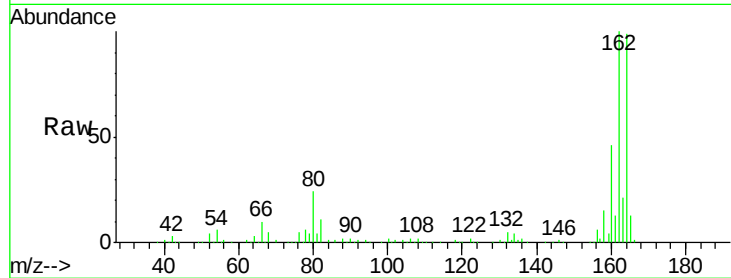
Tgt Ion:165 Resp: 29480

Ion Ratio Lower Upper

165 100

63 1.3 51.8 77.8#

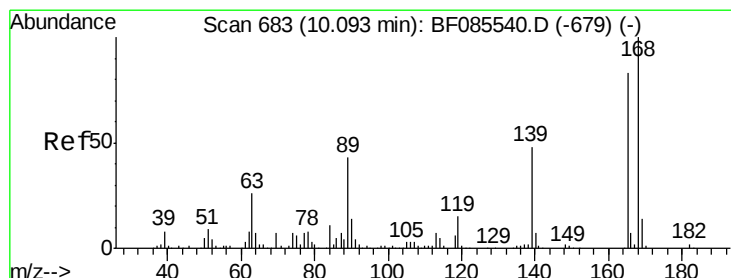
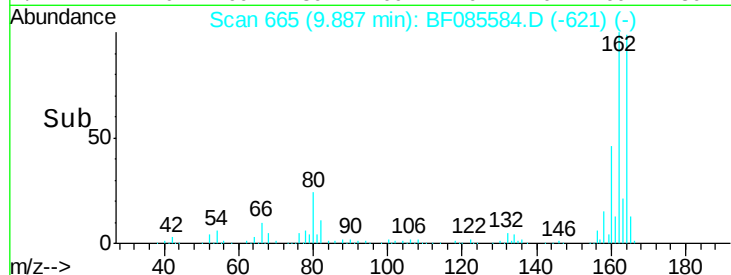
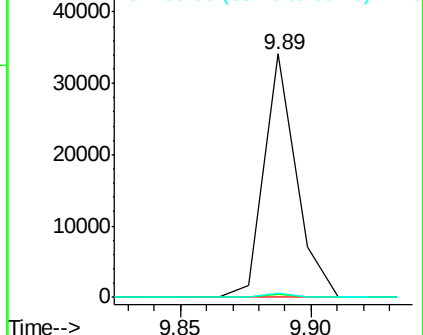
89 1.6 53.7 80.5#



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



#56

2,4-Dinitrotoluene

Concen: 6.11 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.21 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

Tgt Ion:165 Resp: 29481

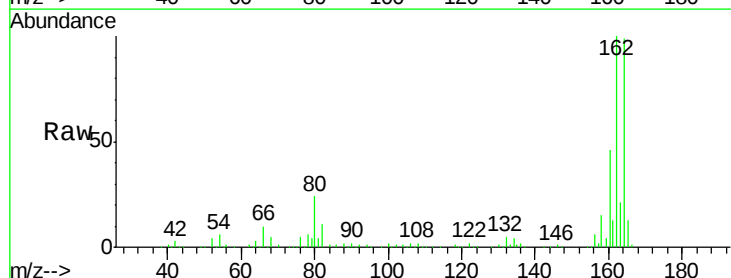
Ion Ratio Lower Upper

165 100

63 1.3 24.9 37.3#

89 1.6 41.0 61.6#

182 0.0 2.1 3.1#

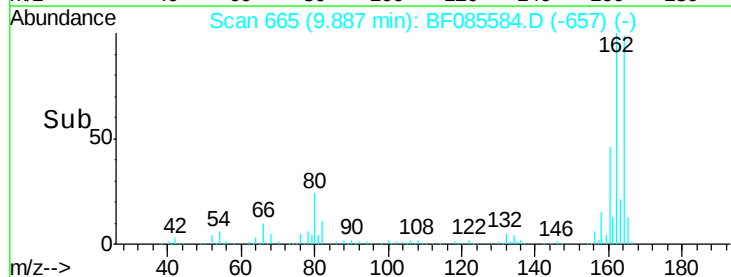
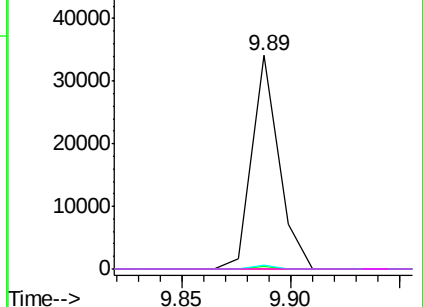


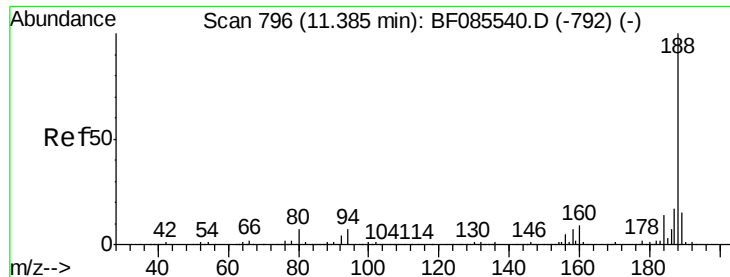
Abundance Ion 165.00 (164.70 to 165.70): E

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

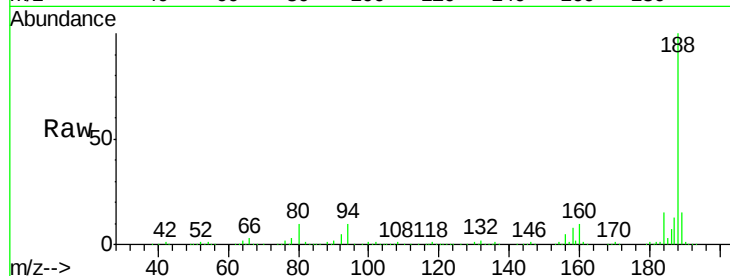




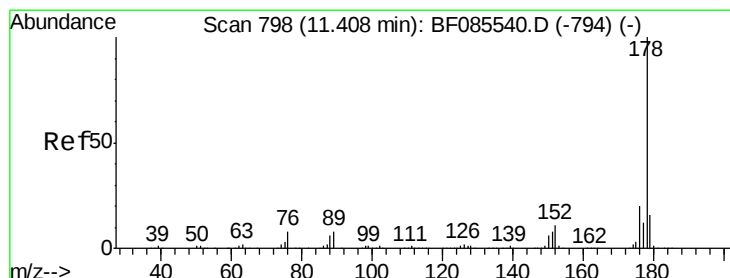
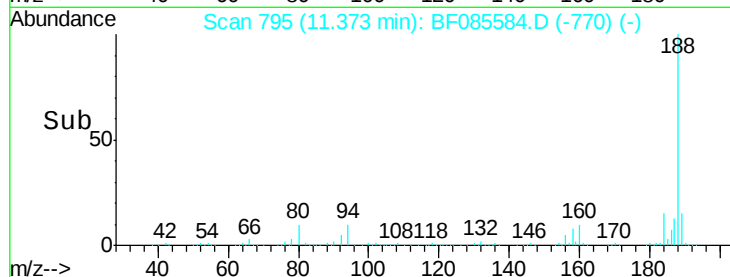
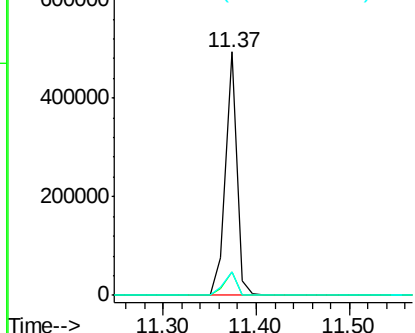
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF085584.D
Acq: 19 Mar 2016 20:28

Instrument :
BNA_F
ClientSampleId :
AOU2-SB37A(COMP7-21)

Tgt Ion:188 Resp: 417297
Ion Ratio Lower Upper
188 100
94 9.6 5.4 8.0#
80 9.6 5.5 8.3#

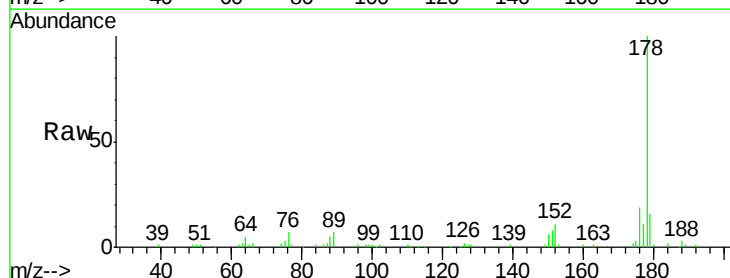


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

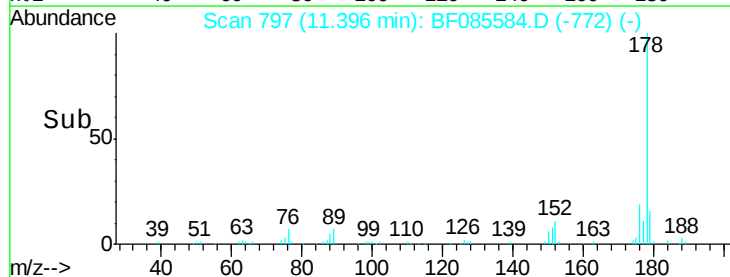
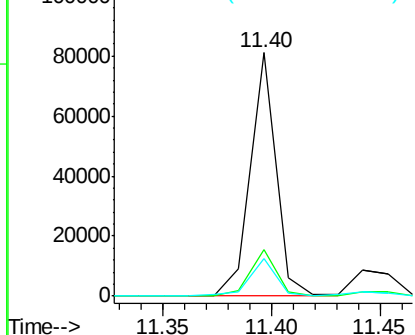


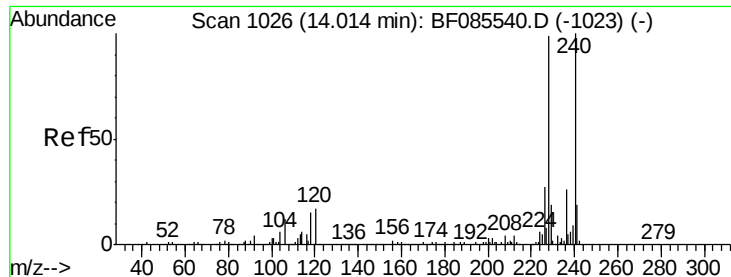
#70
Phenanthrene
Concen: 3.04 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF085584.D
Acq: 19 Mar 2016 20:28

Tgt Ion:178 Resp: 66837
Ion Ratio Lower Upper
178 100
176 19.1 16.3 24.5
179 15.6 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

Instrument :

BNA_F

ClientSampleId :

AOU2-SB37A(COMP7-21)

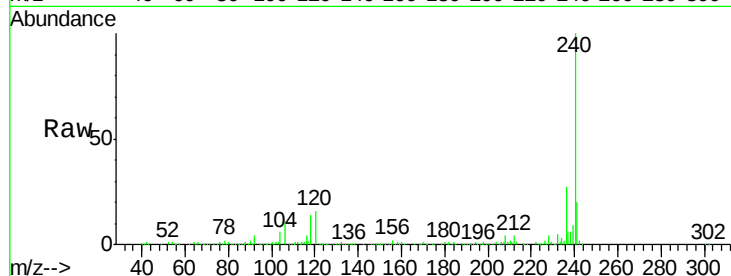
Tgt Ion:240 Resp: 248162

Ion Ratio Lower Upper

240 100

120 15.8 13.8 20.8

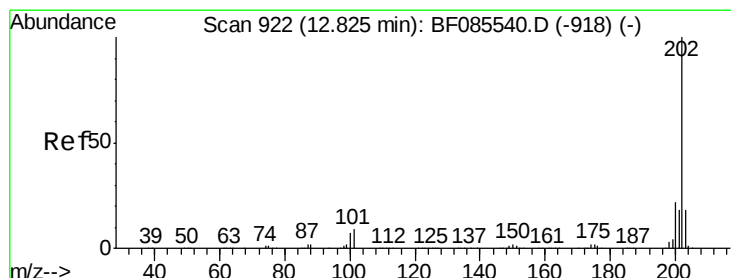
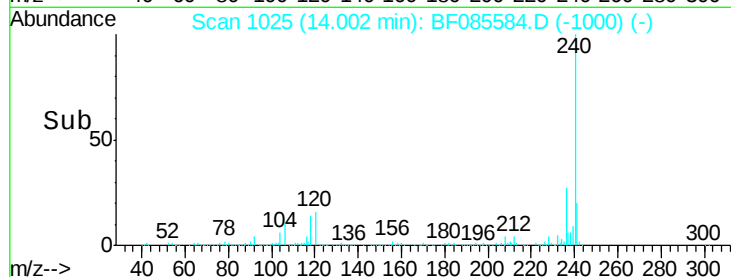
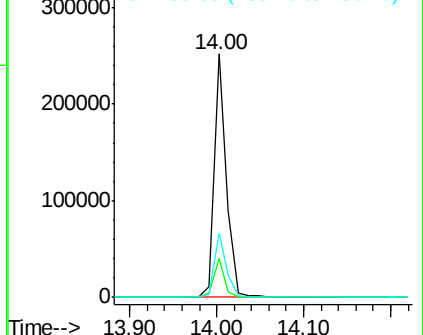
236 26.7 20.6 30.8



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: 2.09 ng

RT: 12.81 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF085584.D

Acq: 19 Mar 2016 20:28

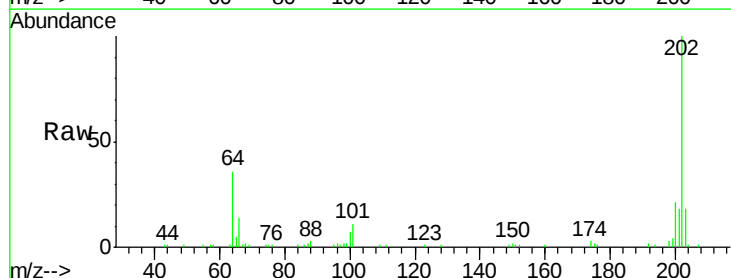
Tgt Ion:202 Resp: 37305

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

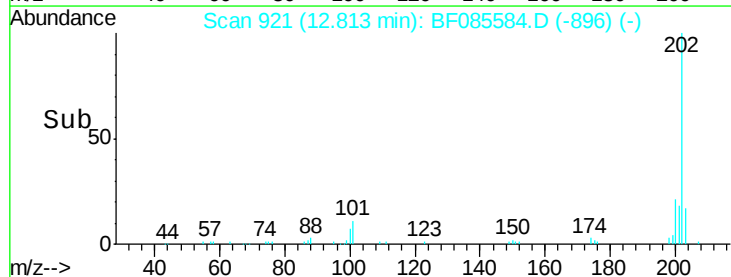
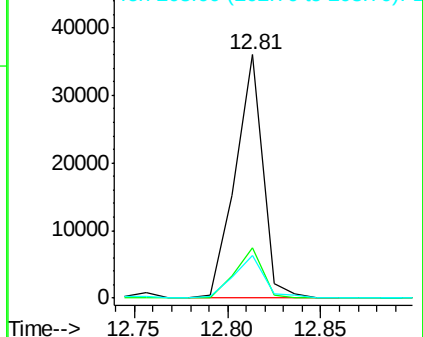
203 17.7 14.0 21.0

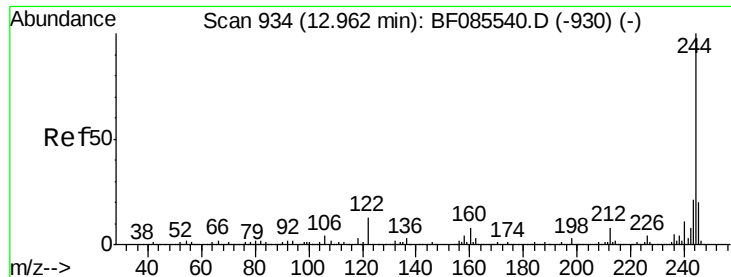


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

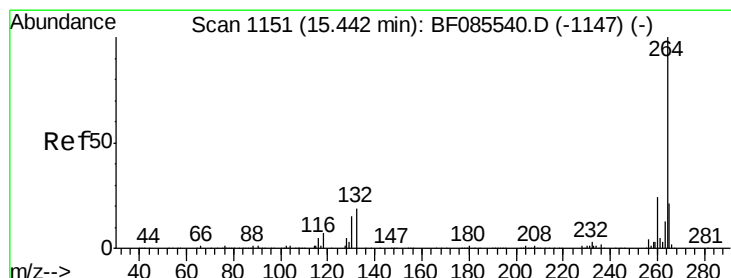
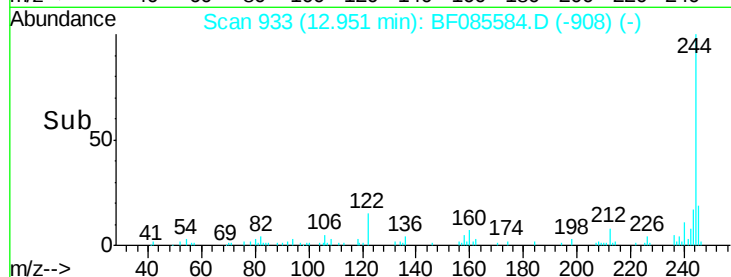
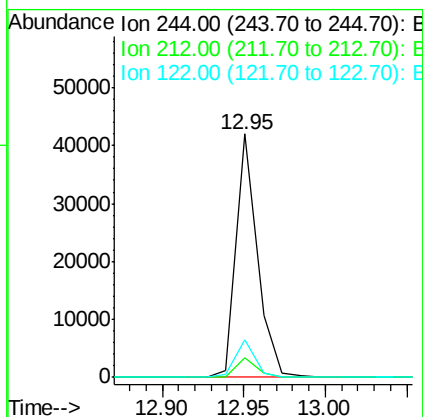
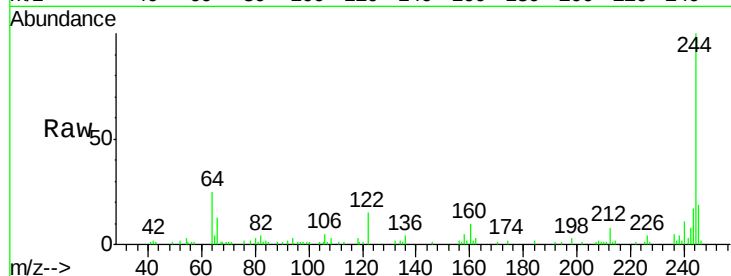




#78
 Terphenyl-d14
 Concen: 3.66 ng
 RT: 12.95 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF085584.D
 Acq: 19 Mar 2016 20:28

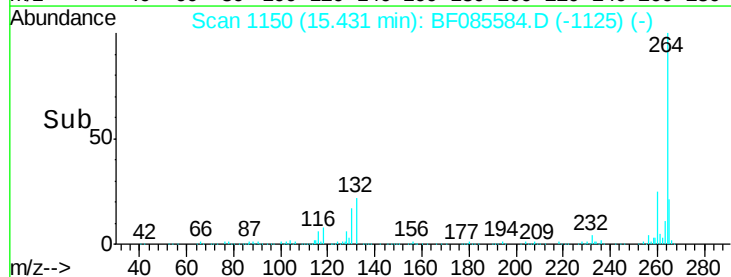
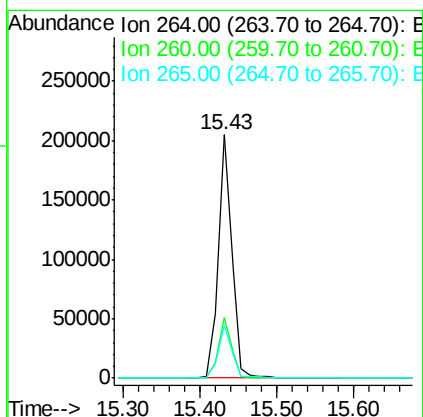
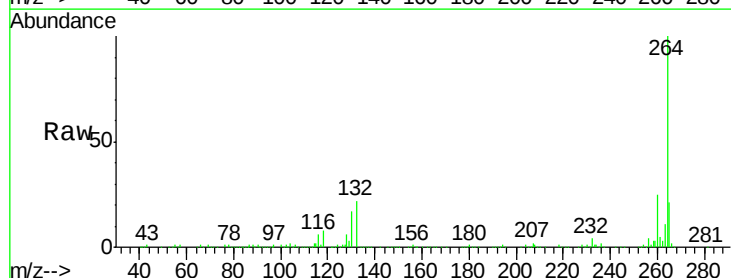
Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)

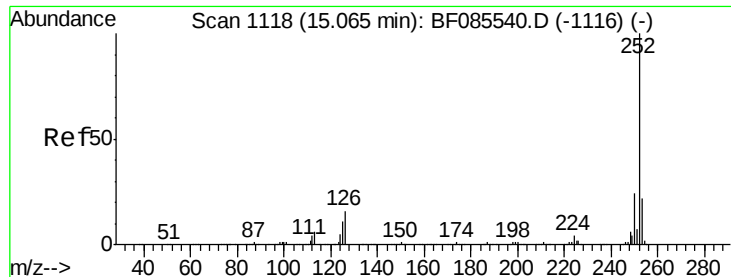
Tgt Ion:244 Resp: 37709
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 15.4 10.2 15.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF085584.D
 Acq: 19 Mar 2016 20:28

Tgt Ion:264 Resp: 253084
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 21.5 17.2 25.8

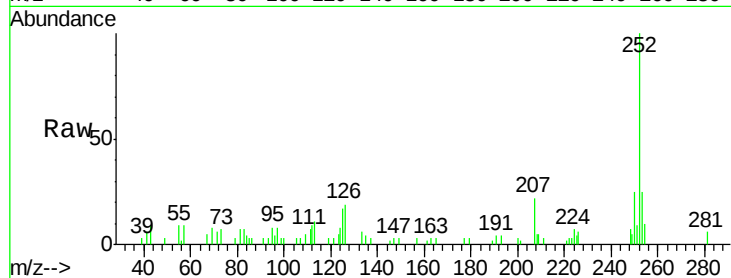




#88
 Benzo(k)fluoranthene
 Concen: 2.14 ng
 RT: 15.02 min Scan# 1114
 Delta R.T. -0.05 min
 Lab File: BF085584.D
 Acq: 19 Mar 2016 20:28

Instrument :
 BNA_F
 ClientSampleId :
 AOU2-SB37A(COMP7-21)

Tgt Ion: 252 Resp: 29163
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.8 26.6
 125 16.9 7.7 11.5#



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

