

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087371.D
 Acq On : 25 May 2016 14:29
 Operator : UM/SJ
 Sample : H3218-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-3(6.5-7)

Quant Time: May 25 22:45:29 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 22:35:30 2016
 Response via : Initial Calibration

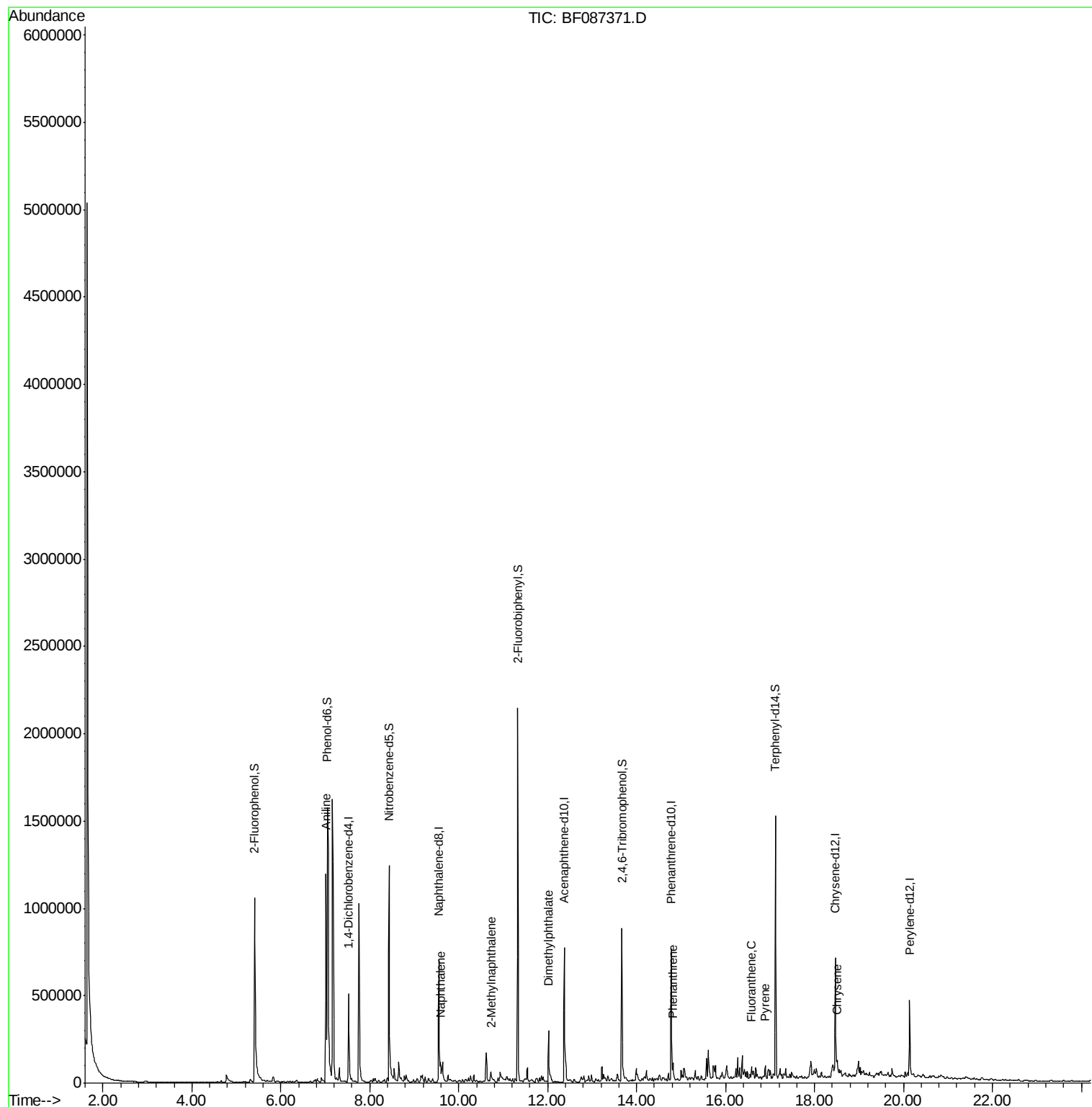
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	103420	20.00	ng	0.00
21) Naphthalene-d8	9.55	136	433064	20.00	ng	0.00
38) Acenaphthene-d10	12.38	164	202584	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	375885	20.00	ng	0.00
75) Chrysene-d12	18.47	240	266407	20.00	ng	-0.01
86) Perylene-d12	20.14	264	215830	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	516095	87.69	ng	-0.01
7) Phenol-d6	7.05	99	797483	100.28	ng	-0.02
23) Nitrobenzene-d5	8.43	82	575302	66.95	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	147389	75.71	ng	-0.01
44) 2-Fluorobiphenyl	11.33	172	807981	56.23	ng	-0.01
78) Terphenyl-d14	17.12	244	550557	43.94	ng	-0.01
Target Compounds						Qvalue
6) Aniline	7.02	93	558339	54.27	ng	93
31) Naphthalene	9.59	128	78946	3.64	ng	99
37) 2-Methylnaphthalene	10.73	142	28788	2.12	ng	# 94
49) Dimethylphthalate	12.02	163	152758	9.41	ng	100
70) Phenanthrene	14.82	178	78494	3.77	ng	98
74) Fluoranthene	16.58	202	45248	2.17	ng	95
77) Pyrene	16.89	202	40445	2.11	ng	95
82) Chrysene	18.51	228	48874	3.25	ng	# 82

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Instrument :

BNA_F

ClientSampleId :

E-3(6.5-7)

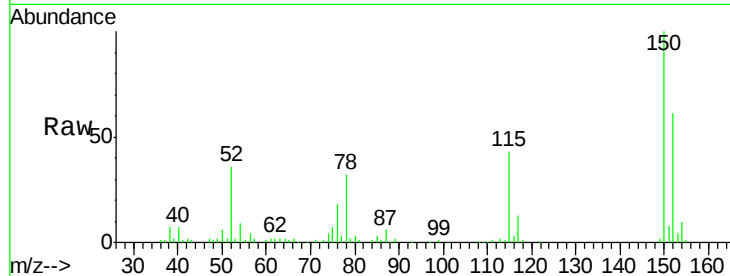
Tot Ion:152 Resp: 103420

Ion Ratio Lower Upper

152 100

150 162.9 125.8 188.6

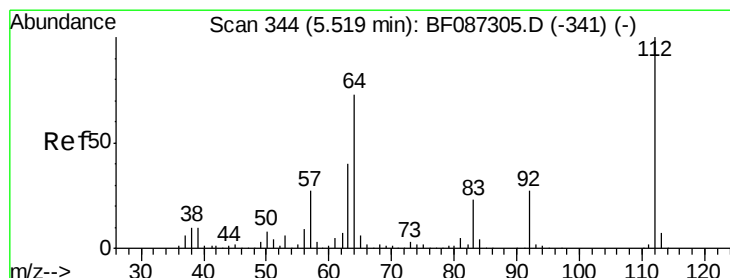
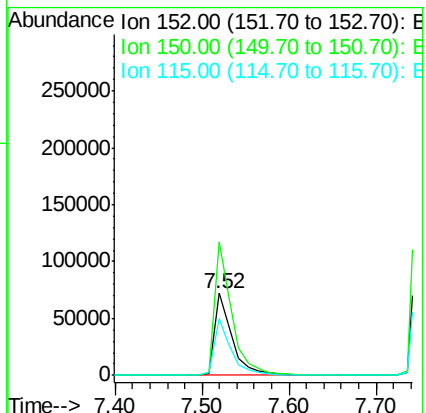
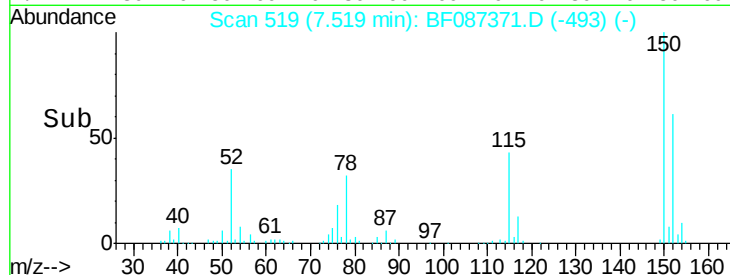
115 69.6 51.5 77.3



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: 87.69 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.01 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

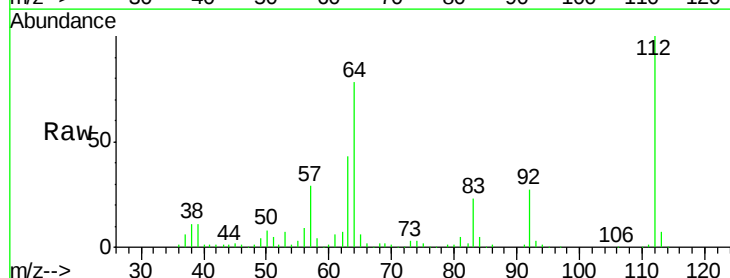
Tgt Ion:112 Resp: 516095

Ion Ratio Lower Upper

112 100

64 77.6 52.1 78.1

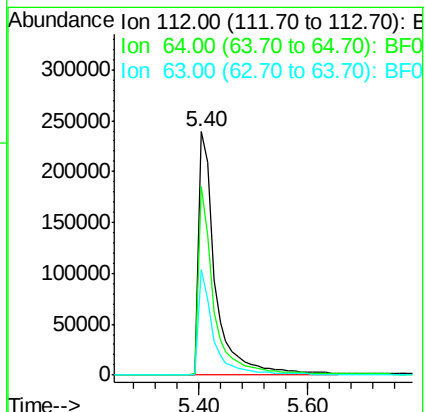
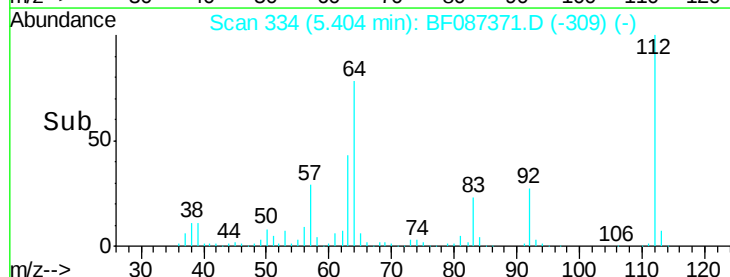
63 43.1 25.7 38.5

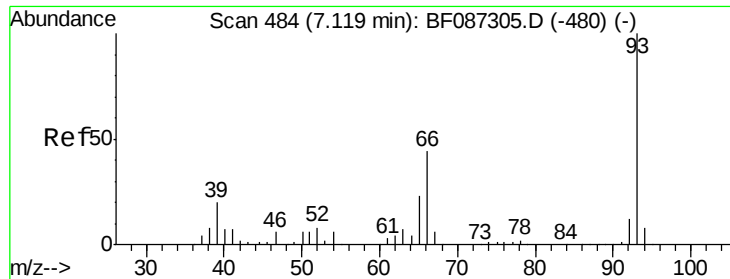


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 54.27 ng

RT: 7.02 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Instrument :

BNA_F

ClientSampleId :

E-3(6.5-7)

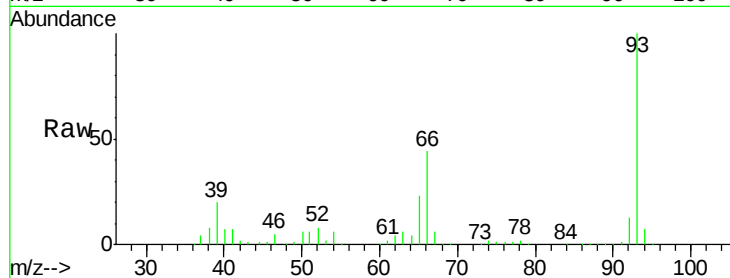
Tot Ion: 93 Resp: 558339

Ion Ratio Lower Upper

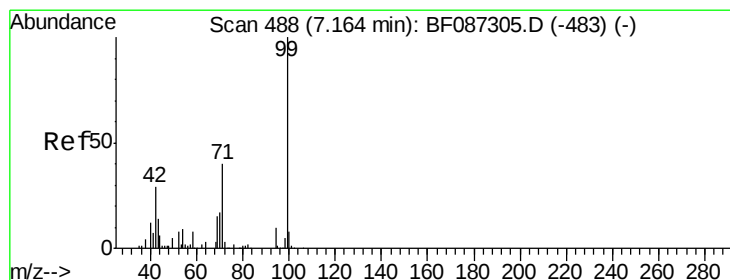
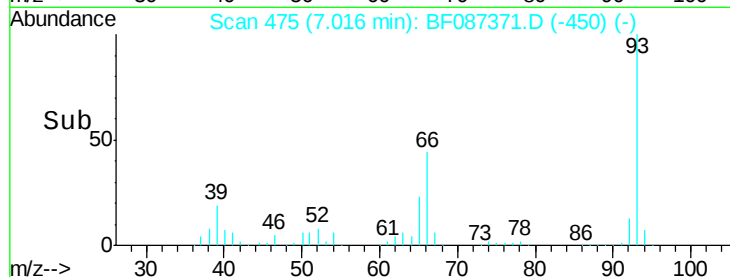
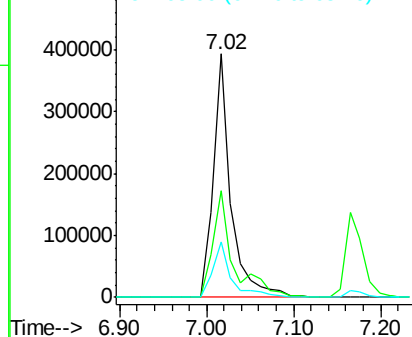
93 100

66 43.8 39.0 58.6

65 23.0 20.6 31.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 100.28 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.02 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

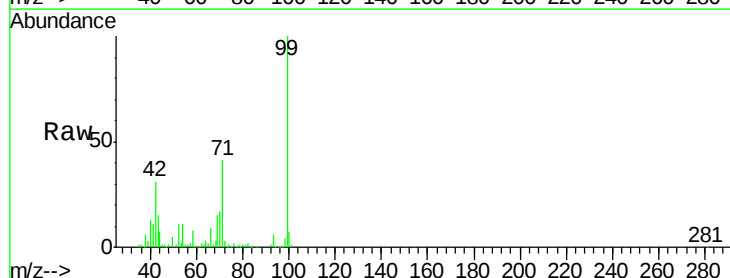
Tgt Ion: 99 Resp: 797483

Ion Ratio Lower Upper

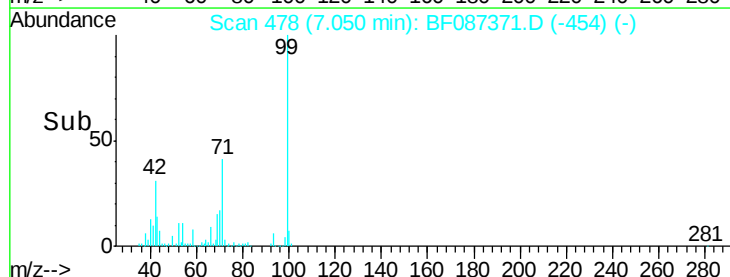
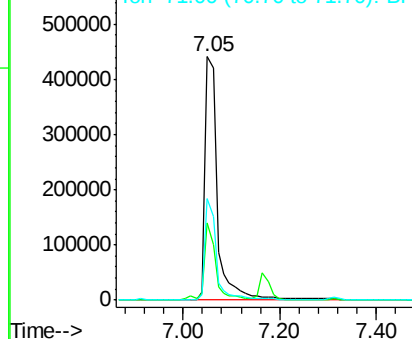
99 100

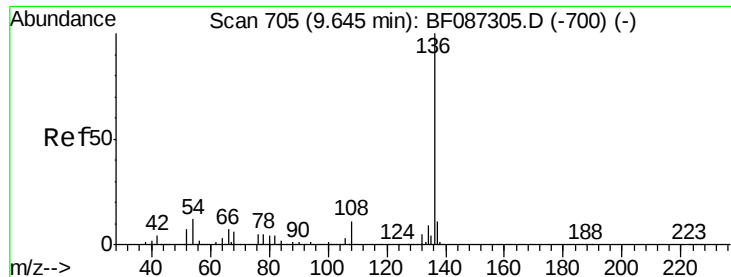
42 31.5 13.6 20.4#

71 41.5 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





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Instrument :

BNA_F

ClientSampleId :

E-3(6.5-7)

Tot Ion:136 Resp: 433064

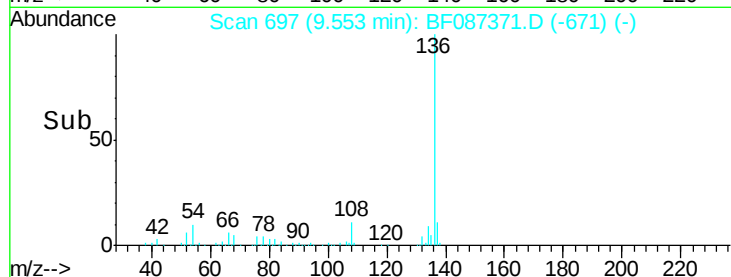
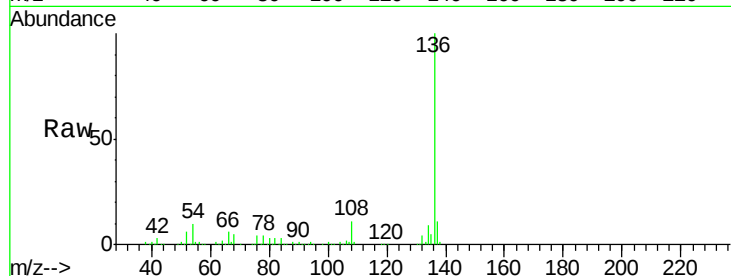
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.9 5.0 7.4#

68 5.0 4.4 6.6

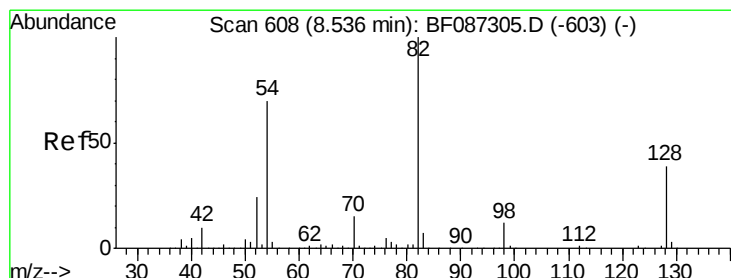
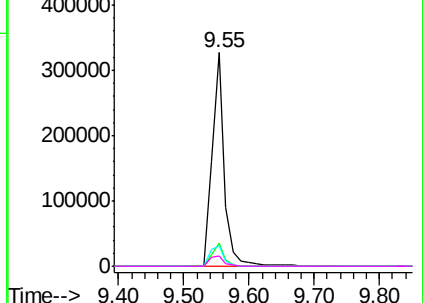


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.95 ng

RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

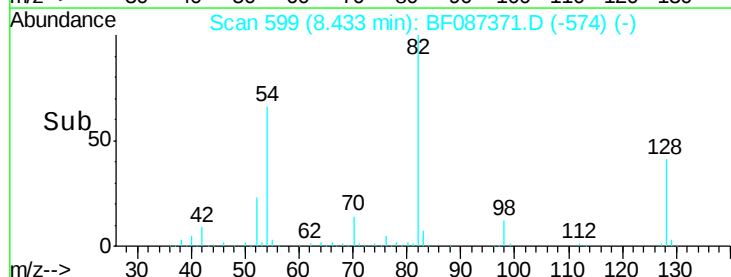
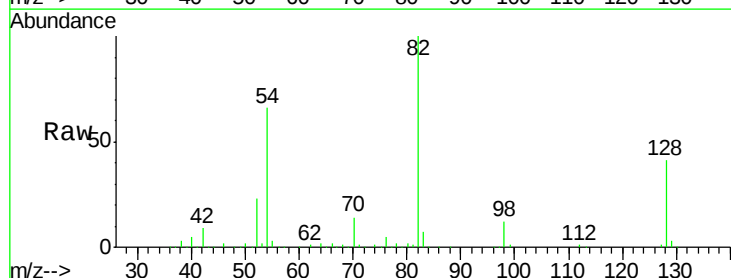
Tgt Ion: 82 Resp: 575302

Ion Ratio Lower Upper

82 100

128 41.3 40.6 61.0

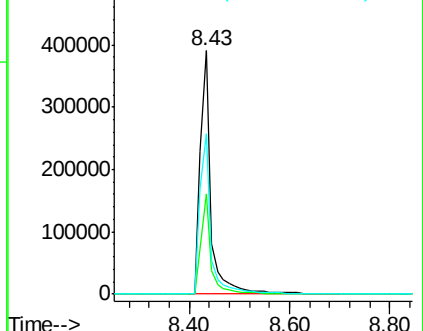
54 65.7 38.1 57.1#

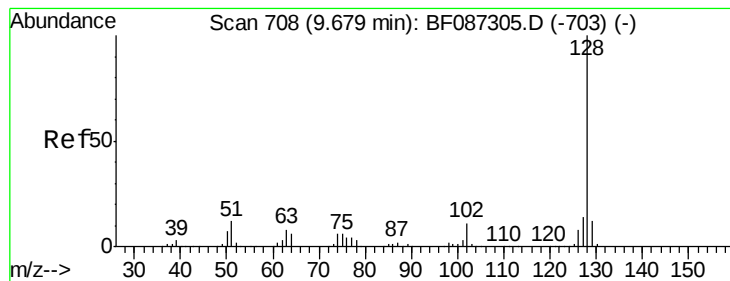


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 3.64 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.00 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Instrument :

BNA_F

ClientSampled :

E-3(6.5-7)

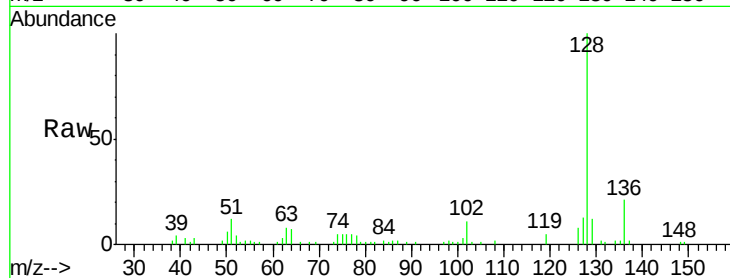
Tot Ion:128 Resp: 78946

Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

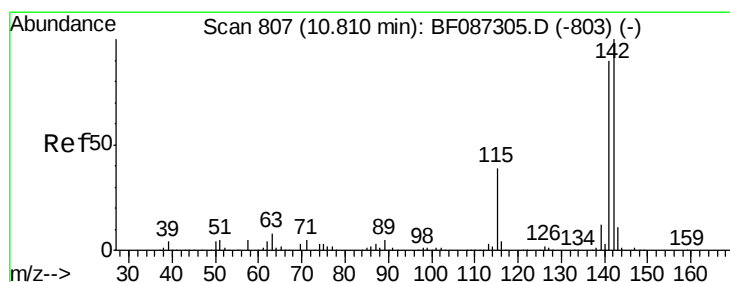
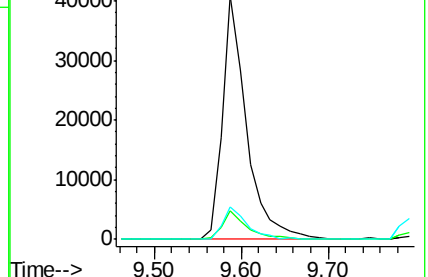
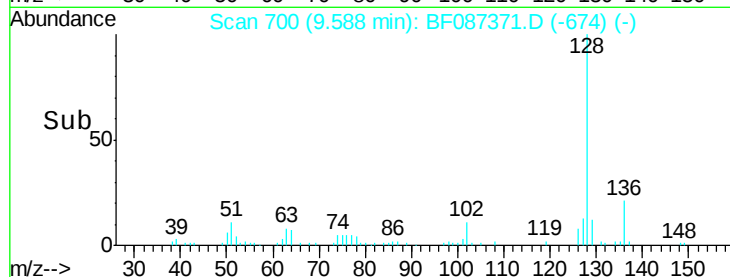
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.12 ng

RT: 10.73 min Scan# 800

Delta R.T. 0.01 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

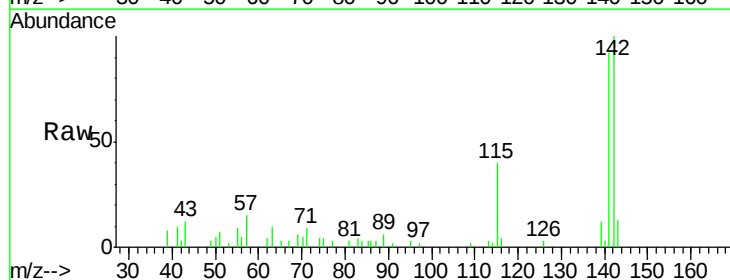
Tgt Ion:142 Resp: 28788

Ion Ratio Lower Upper

142 100

141 92.1 71.0 106.6

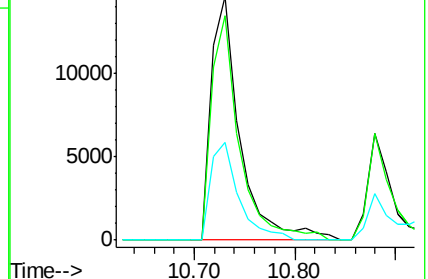
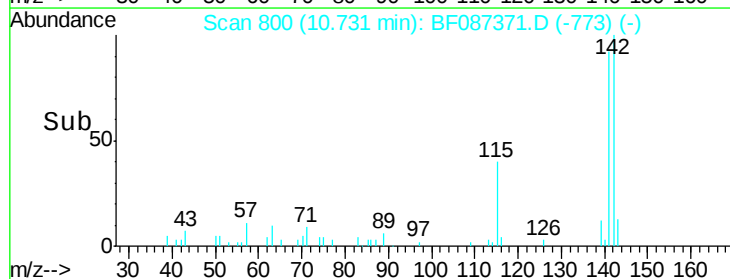
115 40.1 26.6 39.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

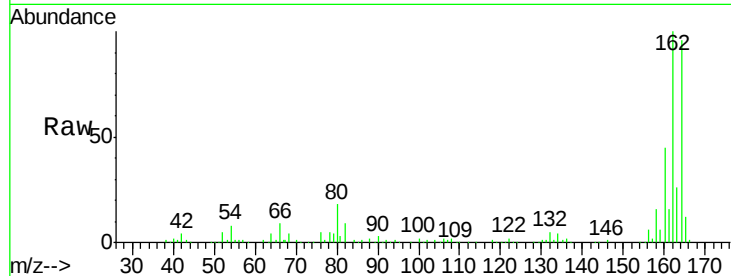




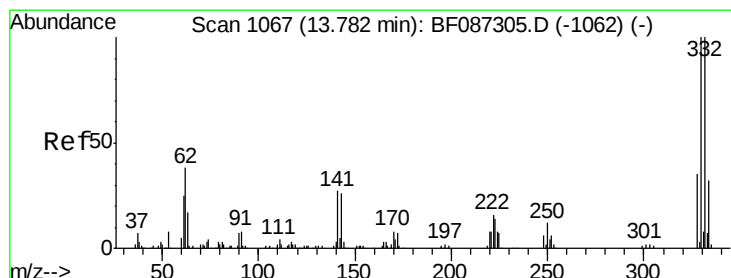
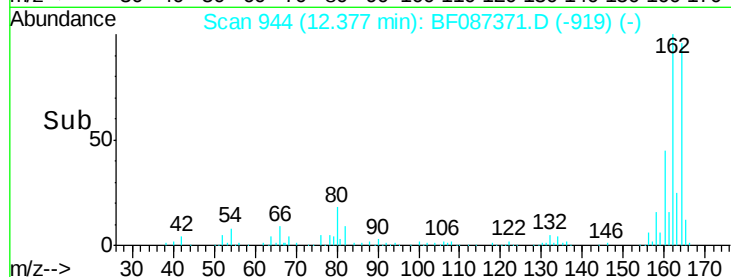
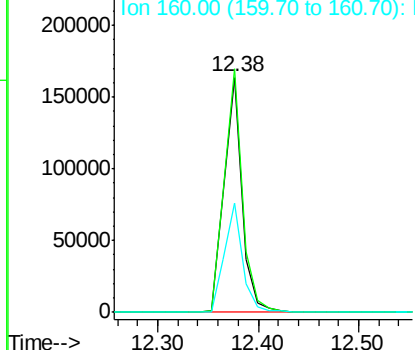
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.38 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF087371.D
 Acq: 25 May 2016 14:29

Instrument :
 BNA_F
 ClientSampleId :
 E-3(6.5-7)

Tot Ion:164 Resp: 202584
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.8 124.2
 160 46.7 36.9 55.3

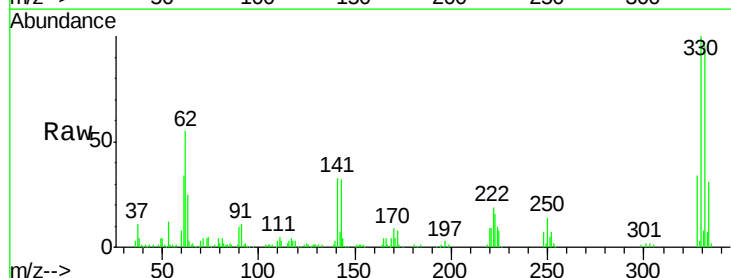


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

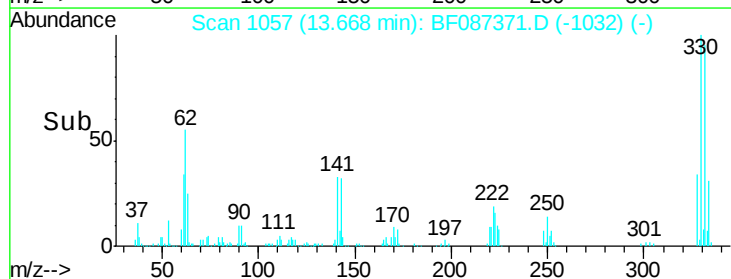
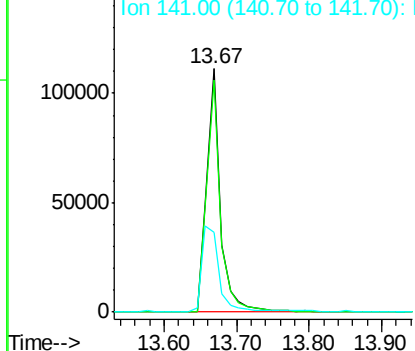


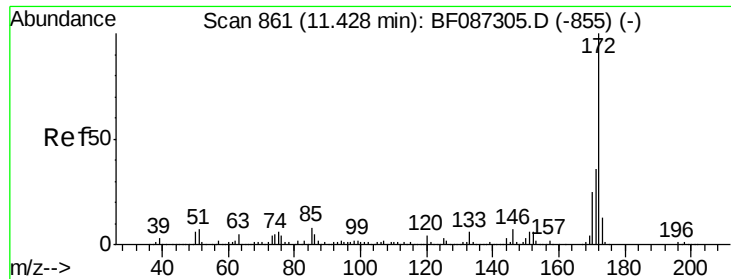
#41
 2,4,6-Tribromophenol
 Concen: 75.71 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BF087371.D
 Acq: 25 May 2016 14:29

Tgt Ion:330 Resp: 147389
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.0 118.4
 141 46.4 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: 56.23 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Instrument :

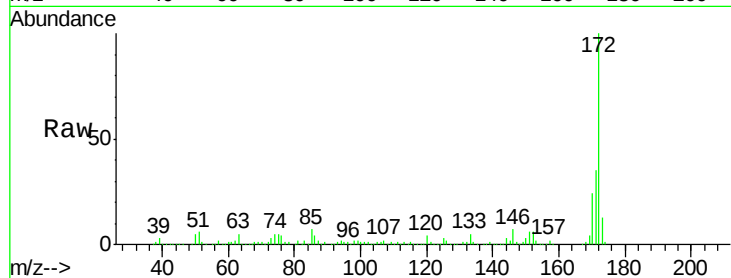
BNA_F

ClientSampleId :

E-3(6.5-7)

Tot Ion:172 Resp: 807981

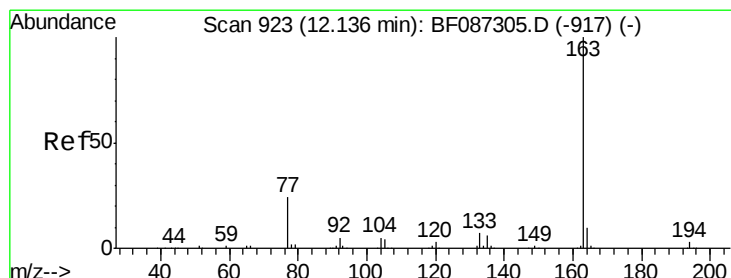
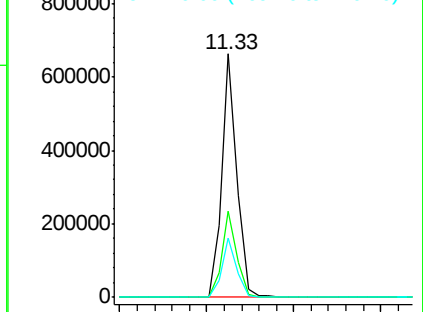
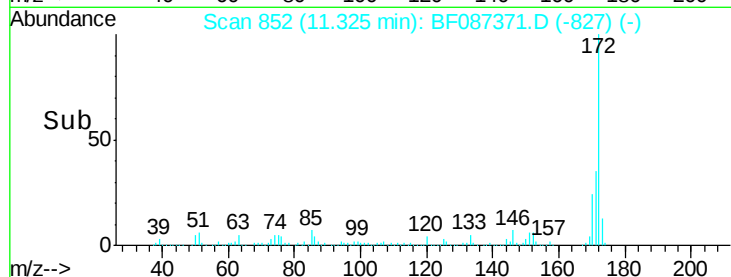
Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.6
170	24.1	19.8	29.8



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: 9.41 ng

RT: 12.02 min Scan# 913

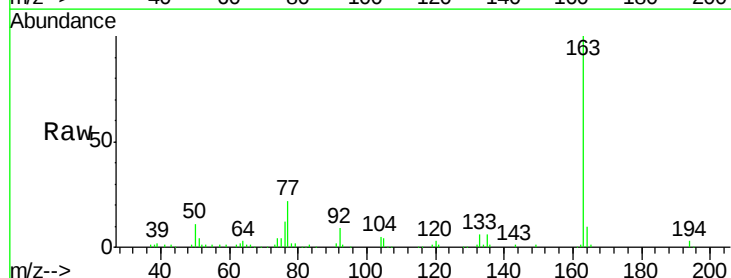
Delta R.T. -0.02 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Tgt Ion:163 Resp: 152758

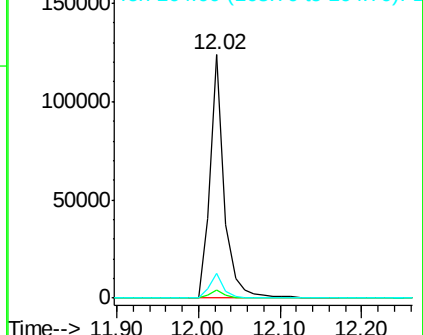
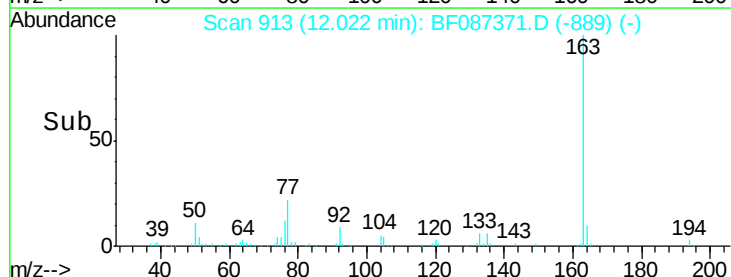
Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.3	8.2	12.4

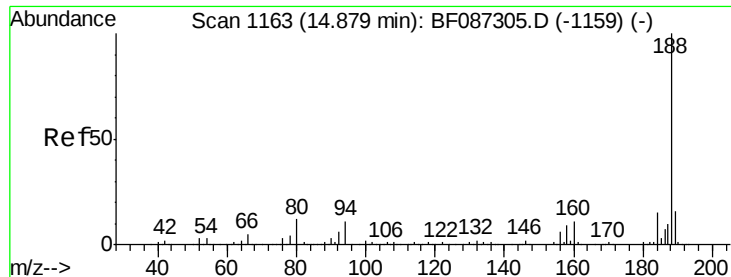


Abundance Ion 163.00 (162.70 to 163.70): E

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: 14.78 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Instrument :

BNA_F

ClientSampleId :

E-3(6.5-7)

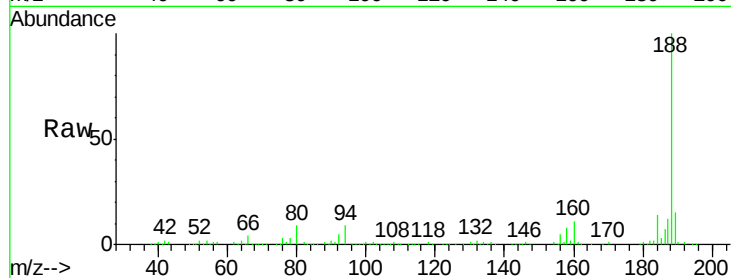
Tot Ion:188 Resp: 375885

Ion Ratio Lower Upper

188 100

94 8.8 6.8 10.2

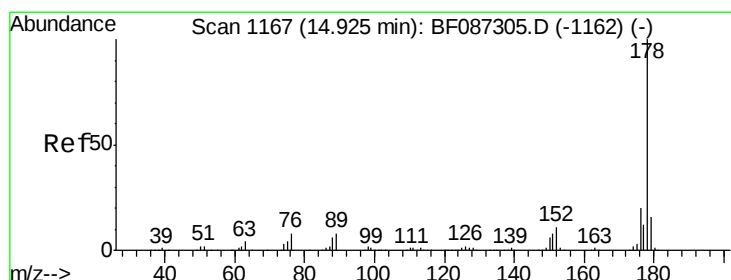
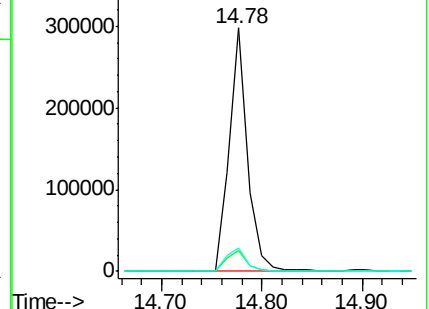
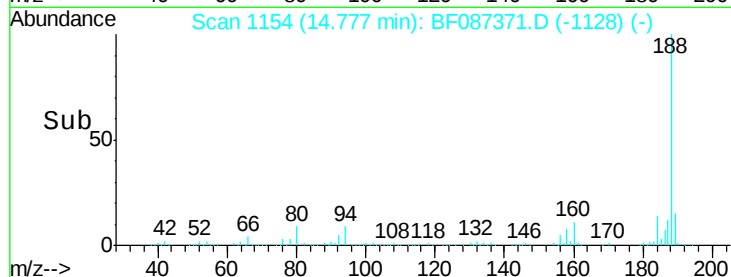
80 9.4 7.1 10.7



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: 3.77 ng

RT: 14.82 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

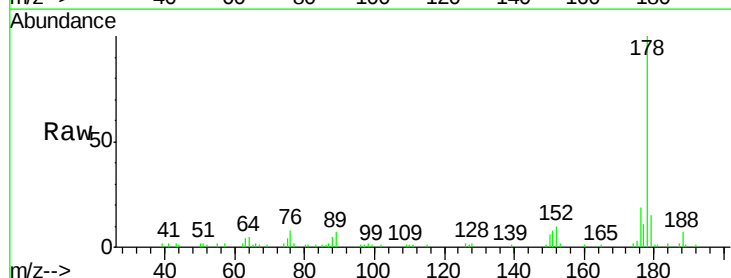
Tgt Ion:178 Resp: 78494

Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

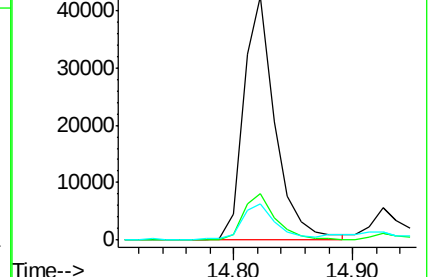
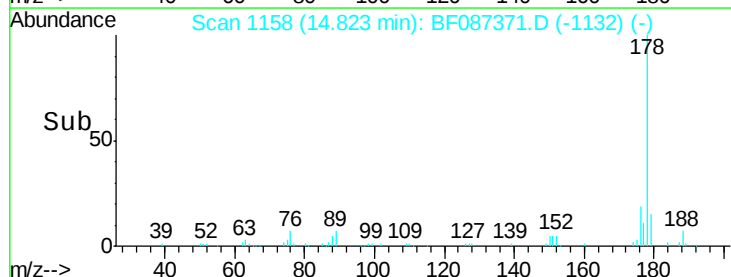
179 15.1 12.6 18.8

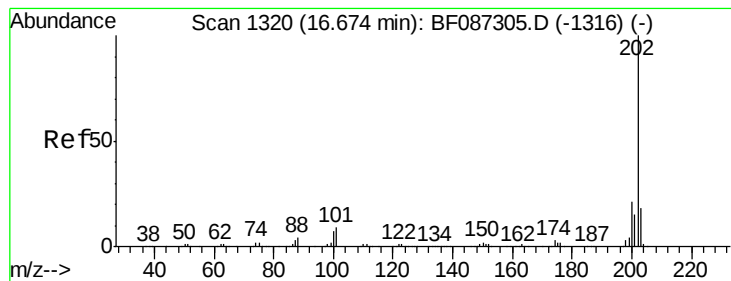


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 2.17 ng

RT: 16.58 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

Instrument :

BNA_F

ClientSampleId :

E-3(6.5-7)

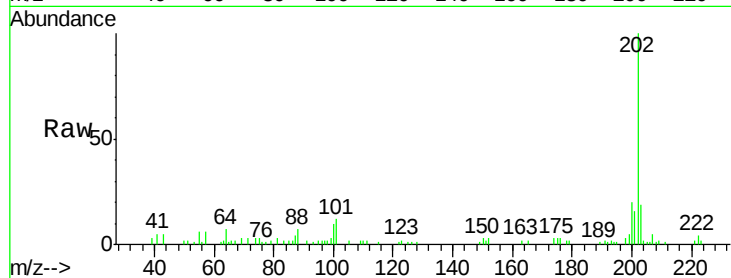
Tot Ion:202 Resp: 45248

Ion Ratio Lower Upper

202 100

101 12.0 0.0 35.4

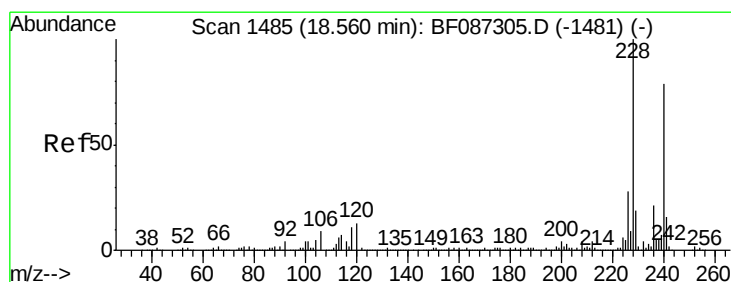
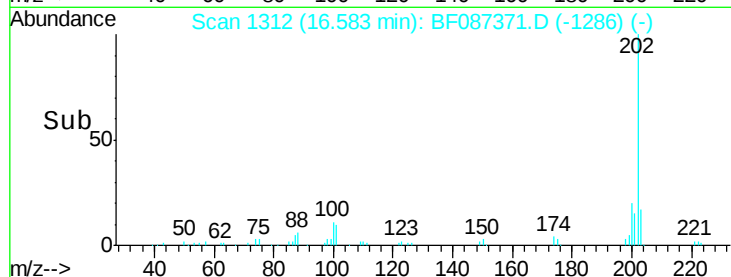
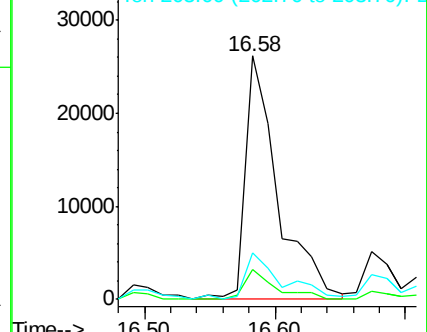
203 19.4 0.0 38.1



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: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087371.D

Acq: 25 May 2016 14:29

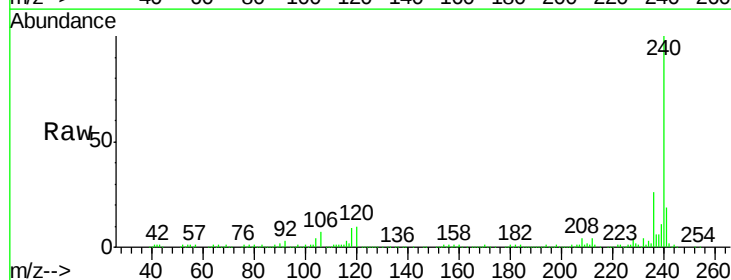
Tgt Ion:240 Resp: 266407

Ion Ratio Lower Upper

240 100

120 10.4 11.2 16.8#

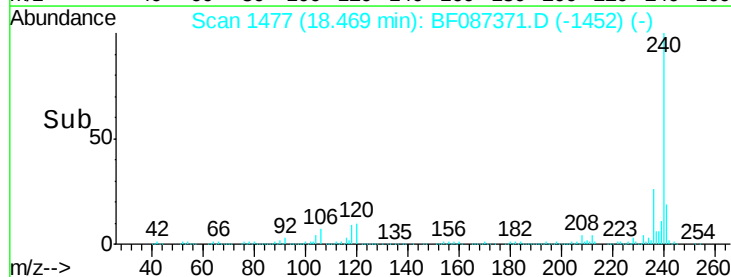
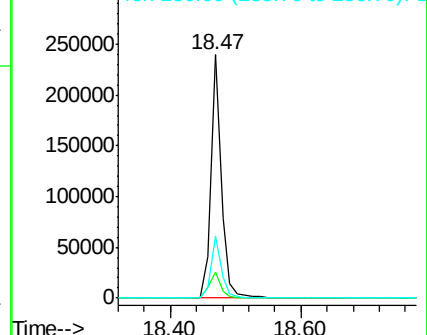
236 25.6 21.2 31.8

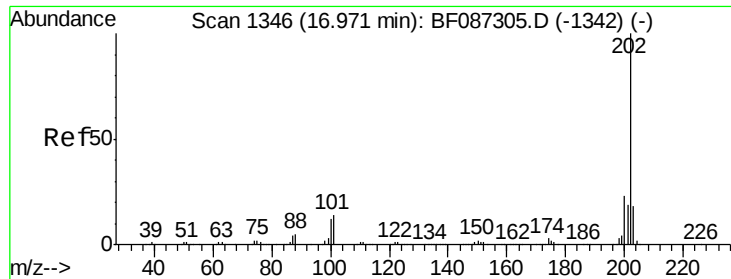


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

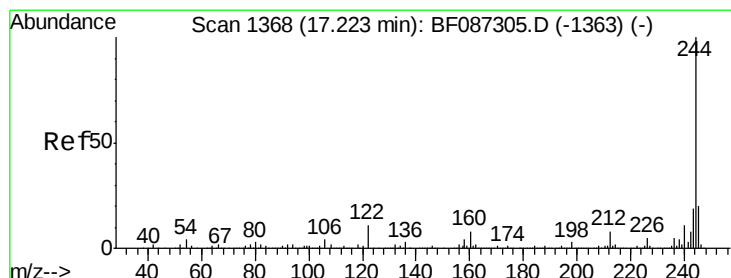
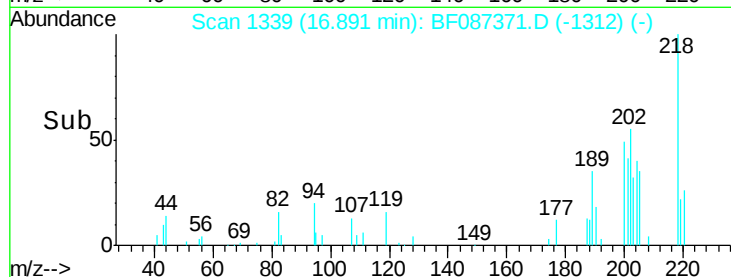
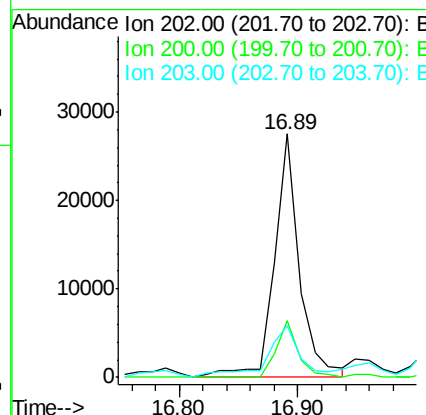
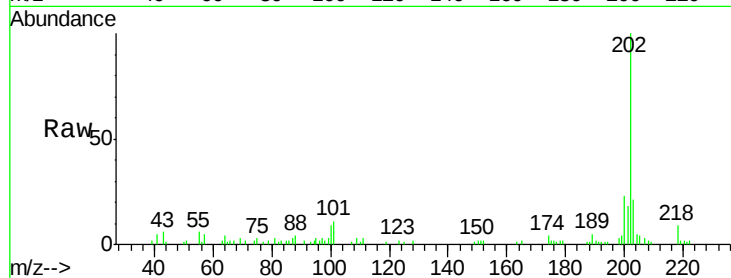




#77
Pvrene
Concen: 2.11 ng
RT: 16.89 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF087371.D
Acq: 25 May 2016 14:29

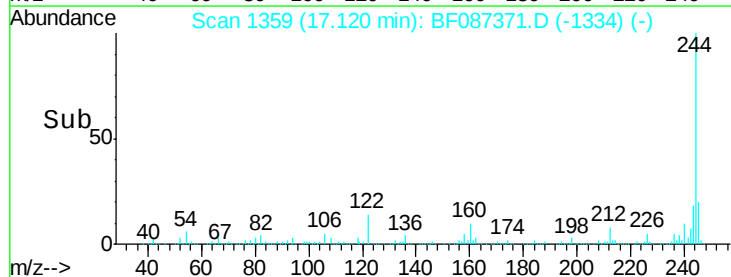
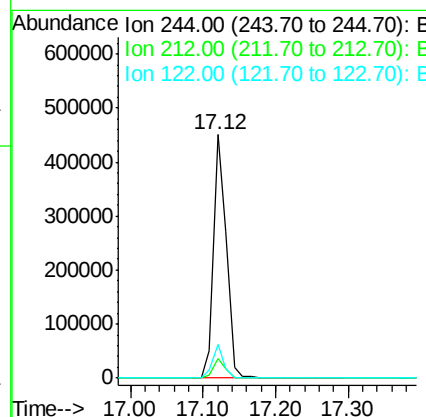
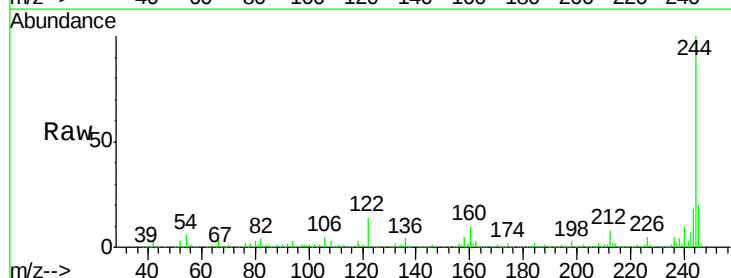
Instrument :
BNA_F
ClientSampleId :
E-3(6.5-7)

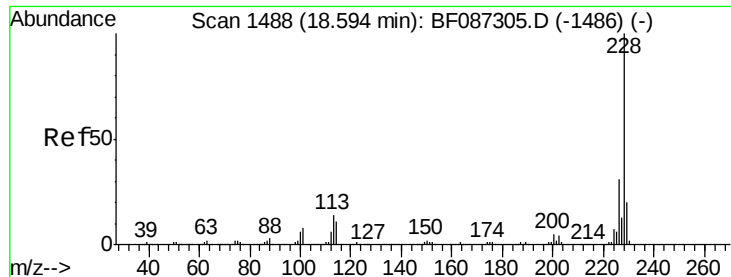
Tot Ion:202 Resp: 40445
Ion Ratio Lower Upper
202 100
200 23.3 17.7 26.5
203 21.3 14.2 21.4



#78
Terphenyl-d14
Concen: 43.94 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF087371.D
Acq: 25 May 2016 14:29

Tgt Ion:244 Resp: 550557
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 13.9 12.0 18.0

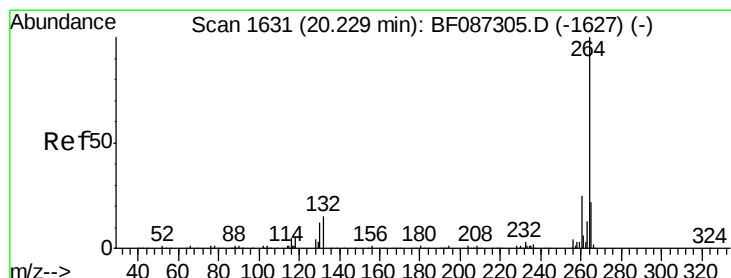
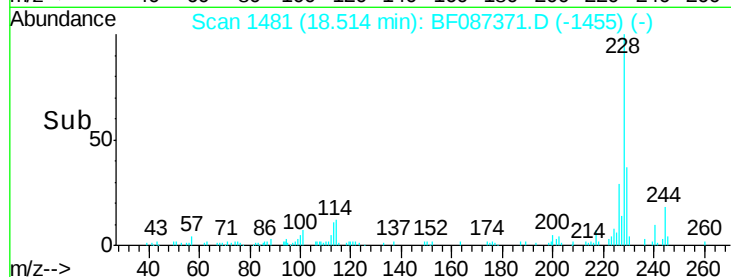
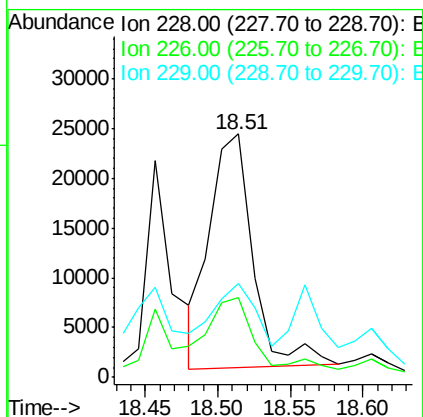
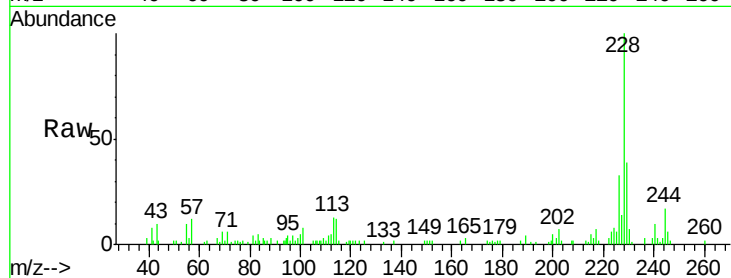




#82
Chrysene
Concen: 3.25 ng
RT: 18.51 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BF087371.D
Acq: 25 May 2016 14:29

Instrument :
BNA_F
ClientSampleId :
E-3(6.5-7)

Tot Ion:228 Resp: 48874
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 38.5 15.8 23.8#



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087371.D
Acq: 25 May 2016 14:29

Tgt Ion:264 Resp: 215830
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.0 17.3 25.9

