

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088473.D
 Acq On : 28 Jun 2016 1:44
 Operator : UM/SJ
 Sample : H3630-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP02W-1224

Quant Time: Jun 28 04:56:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

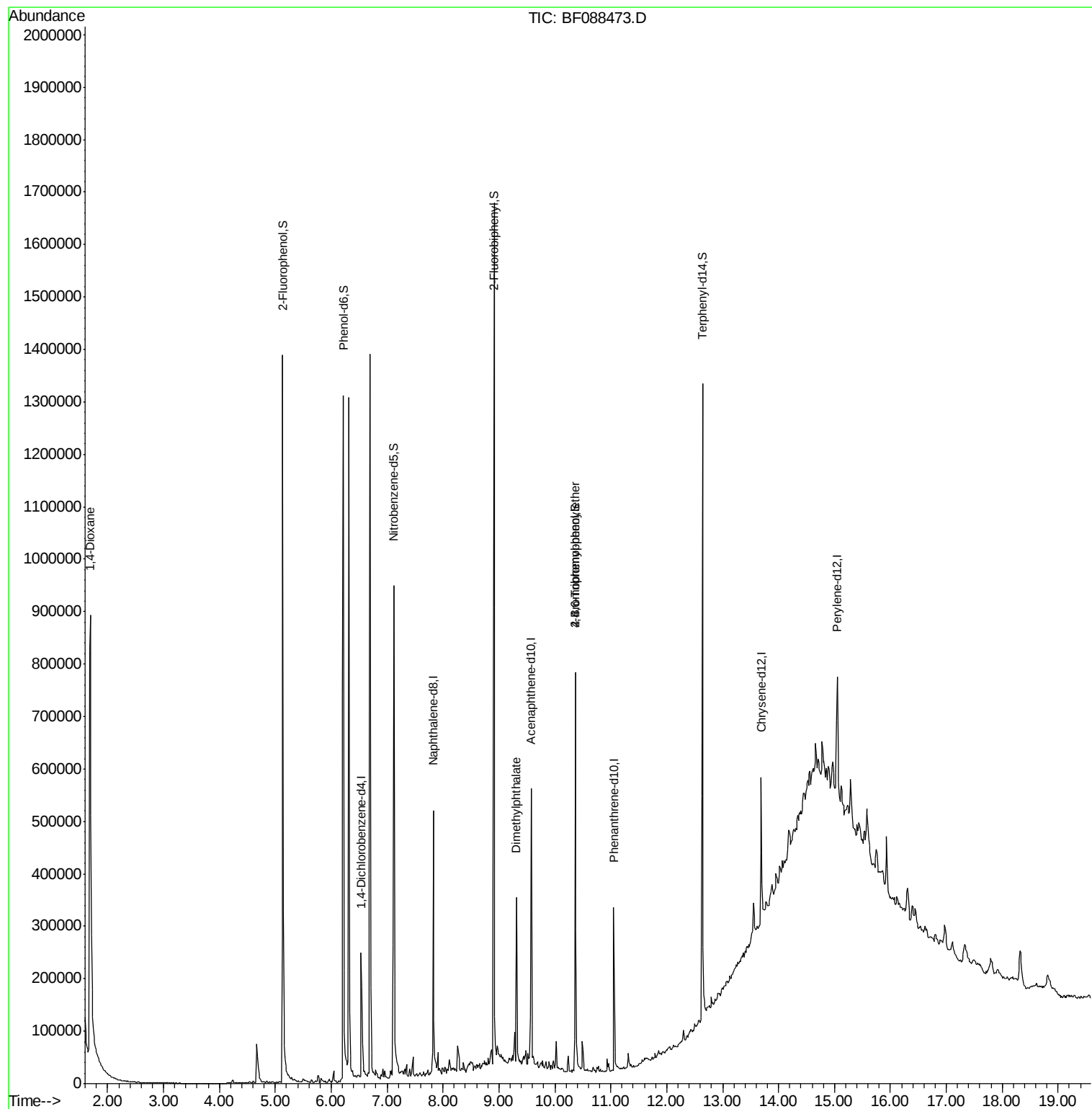
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	63147	20.00	ng	-0.01
21) Naphthalene-d8	7.83	136	256885	20.00	ng	-0.01
38) Acenaphthene-d10	9.58	164	108175	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	159040	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	133097	20.00	ng	0.00
86) Perylene-d12	15.05	264	121254	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	515650	139.60	ng	0.00
7) Phenol-d6	6.22	99	696624	155.61	ng	-0.02
23) Nitrobenzene-d5	7.12	82	403285	91.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	106253	93.02	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	683616	100.27	ng	-0.01
78) Terphenyl-d14	12.64	244	432641	73.97	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.69	88	58380	32.53	ng	# 87
10) Phenol	6.23	94	3189	Below Cal	#	1
45) 1,1'-Biphenyl	8.91	154	1294	Below Cal	#	1
49) Dimethylphthalate	9.31	163	124514	15.89	ng	98
57) Fluorene	10.36	166	4909	Below Cal	#	86
66) 4-Bromophenyl-phenylether	10.36	248	6553	3.84	ng	# 1

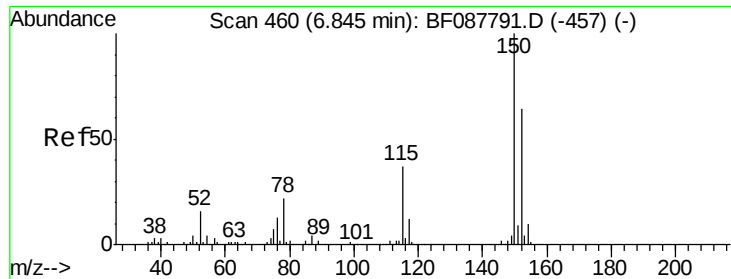
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 27 19:14:18 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

B1409-TP02W-1224

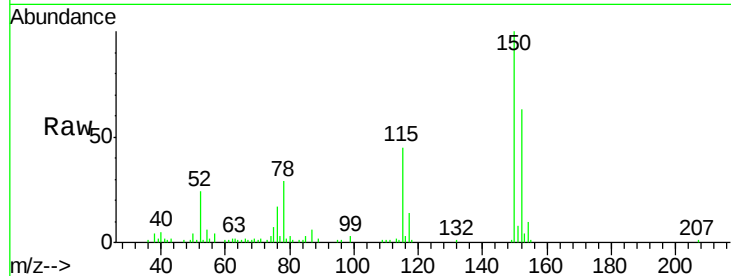
Tgt Ion:152 Resp: 63147

Ion Ratio Lower Upper

152 100

150 159.8 123.8 185.6

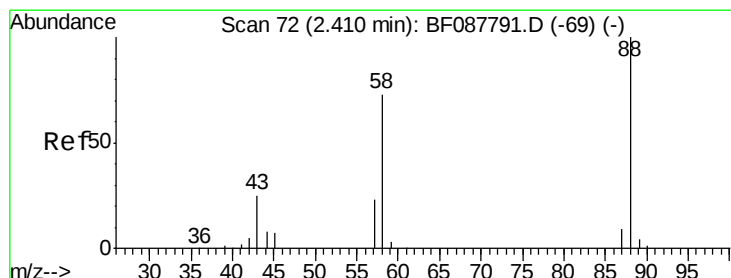
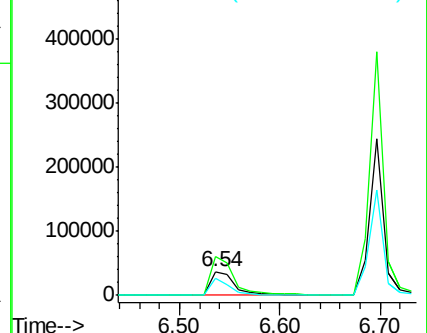
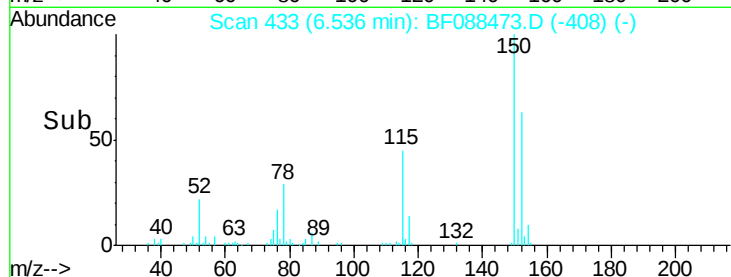
115 71.4 39.6 59.4#



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



#2

1,4-Dioxane

Concen: 32.53 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

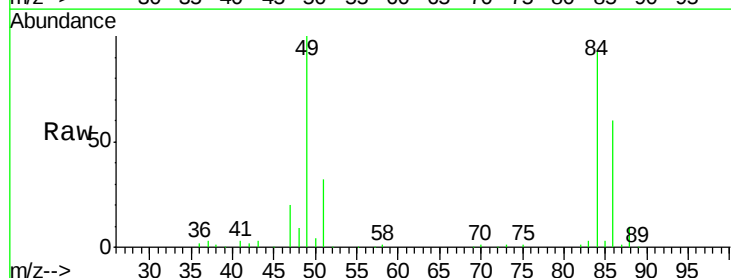
Tgt Ion: 88 Resp: 58380

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

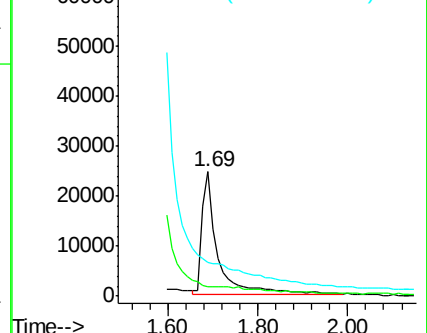
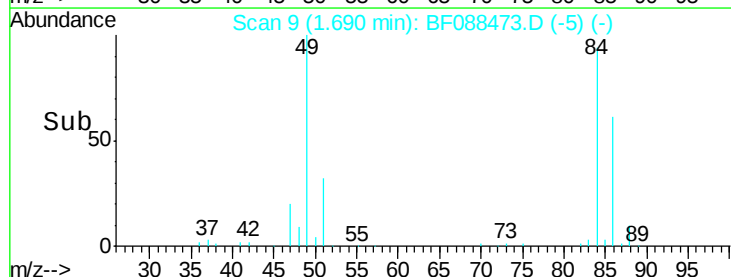
43 0.0 3.4 5.2#

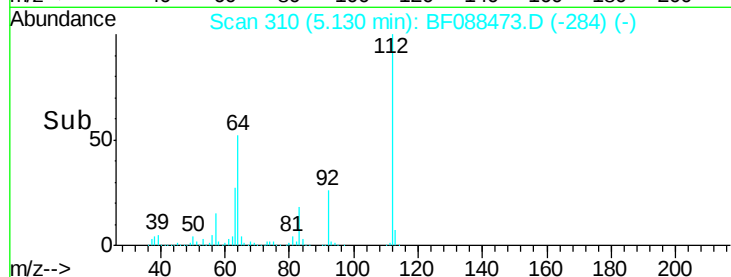
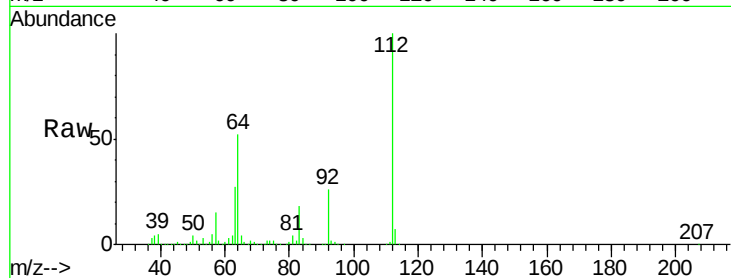
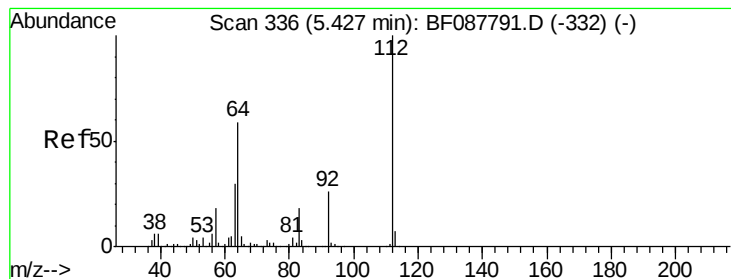


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 139.60 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.00 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

B1409-TP02W-1224

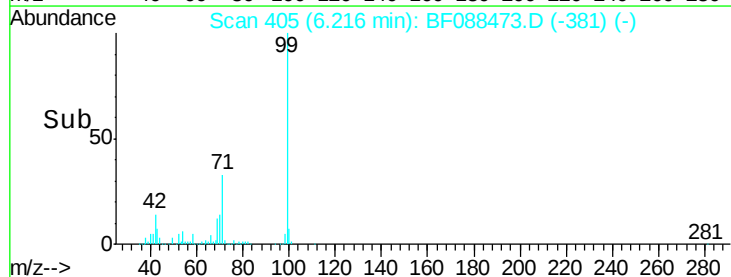
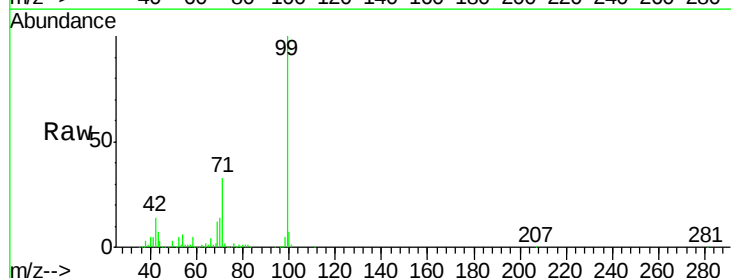
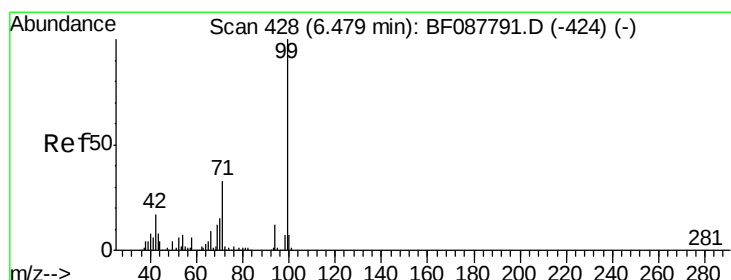
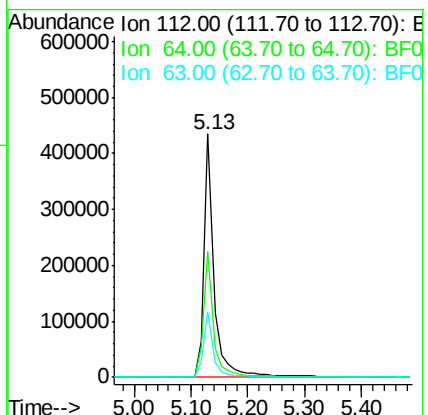
Tgt Ion: 112 Resp: 515650

Ion Ratio Lower Upper

112 100

64 51.7 42.2 63.2

63 27.1 21.8 32.8



#7

Phenol-d6

Concen: 155.61 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.02 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

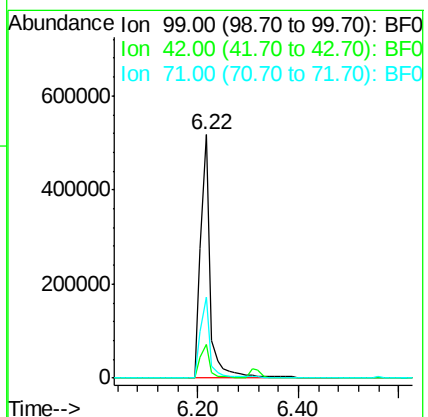
Tgt Ion: 99 Resp: 696624

Ion Ratio Lower Upper

99 100

42 13.8 12.2 18.2

71 33.1 23.4 35.0

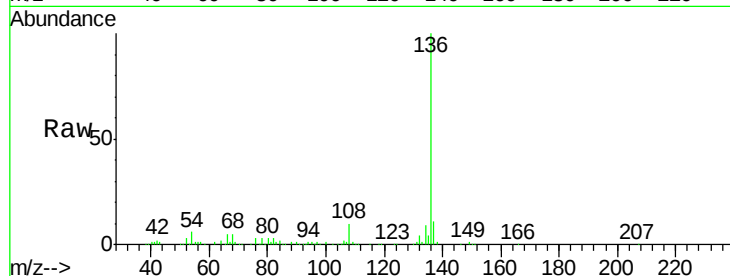




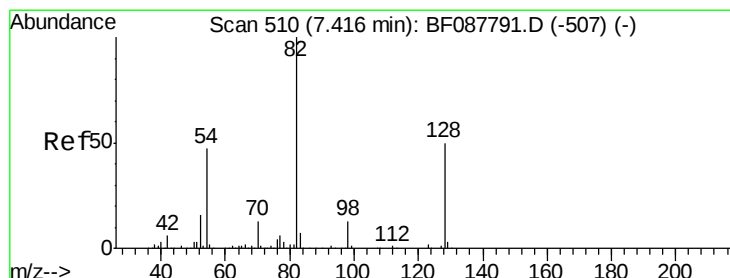
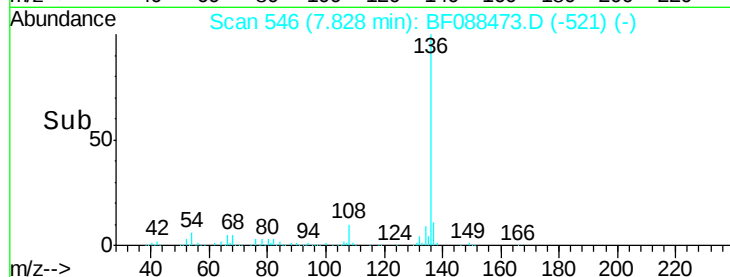
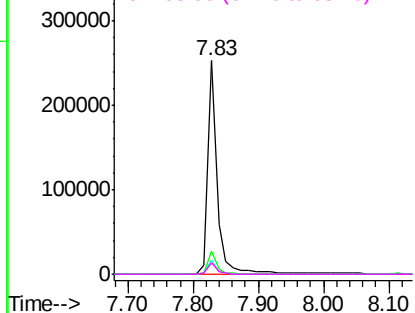
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF088473.D
Acq: 28 Jun 2016 1:44

Instrument :
BNA_F
ClientSampleId :
B1409-TP02W-1224

Tgt Ion:	136	Resp:	256885
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.5	6.6	10.0#
68	5.4	5.1	7.7

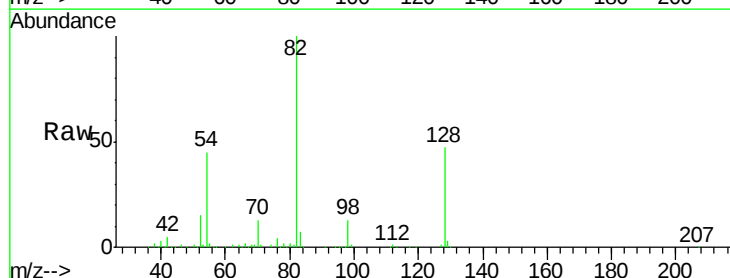


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

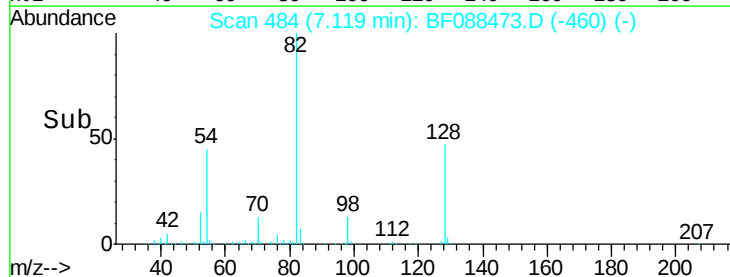
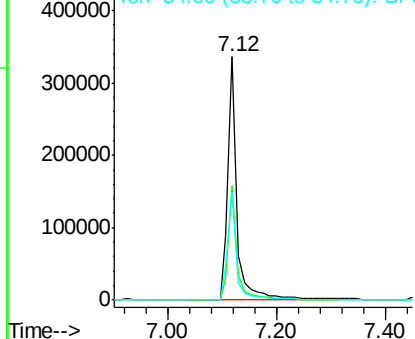


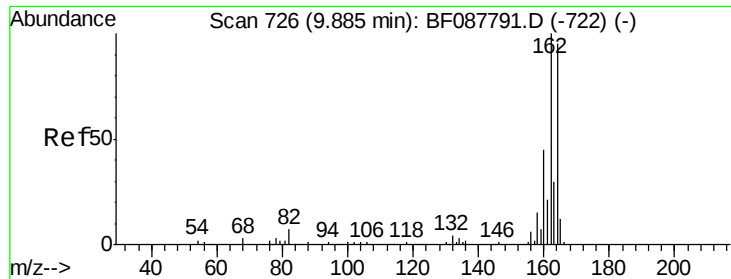
#23
Nitrobenzene-d5
Concen: 91.67 ng
RT: 7.12 min Scan# 484
Delta R.T. -0.02 min
Lab File: BF088473.D
Acq: 28 Jun 2016 1:44

Tgt Ion:	82	Resp:	403285
Ion	Ratio	Lower	Upper
82	100		
128	46.8	35.9	53.9
54	44.6	40.9	61.3



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: 9.58 min Scan# 699

Delta R.T. -0.01 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

B1409-TP02W-1224

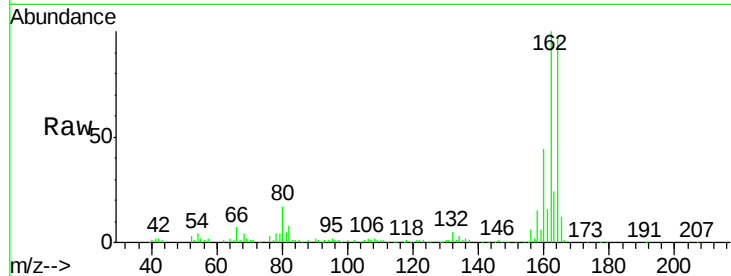
Tgt Ion:164 Resp: 108175

Ion Ratio Lower Upper

164 100

162 103.2 85.4 128.2

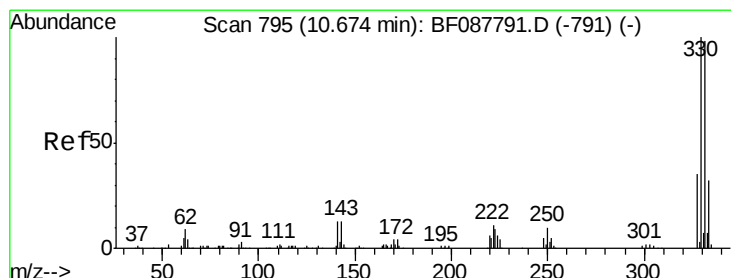
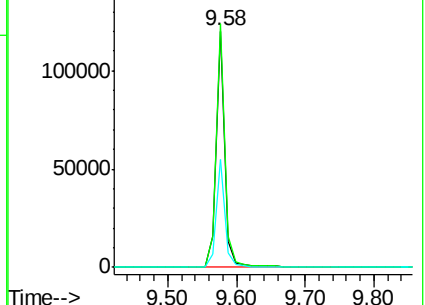
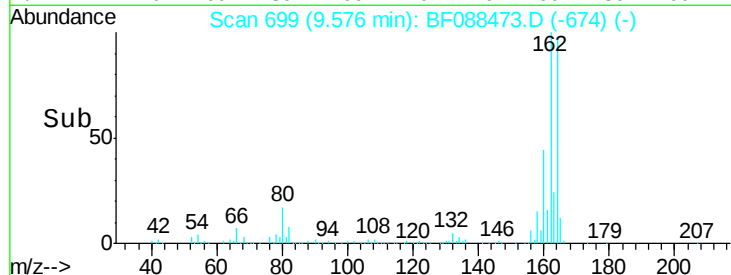
160 45.6 39.5 59.3



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: 93.02 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

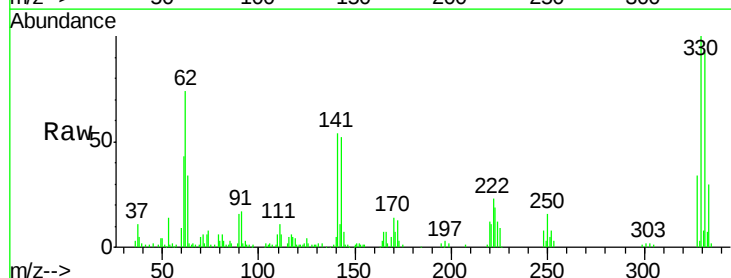
Tgt Ion:330 Resp: 106253

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

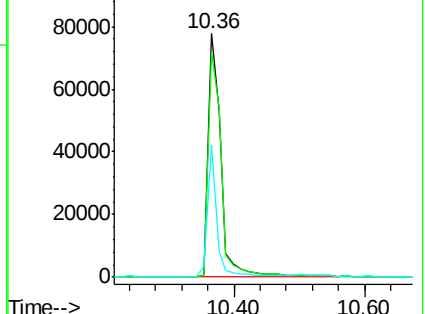
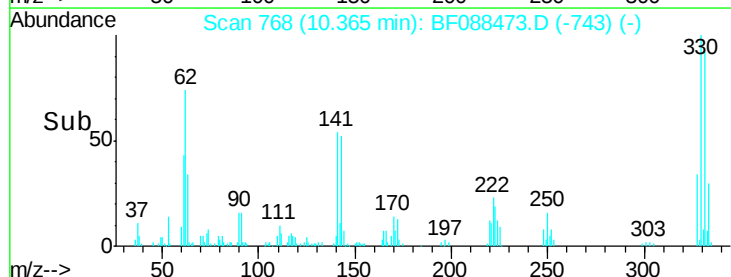
141 40.1 0.0 0.0#

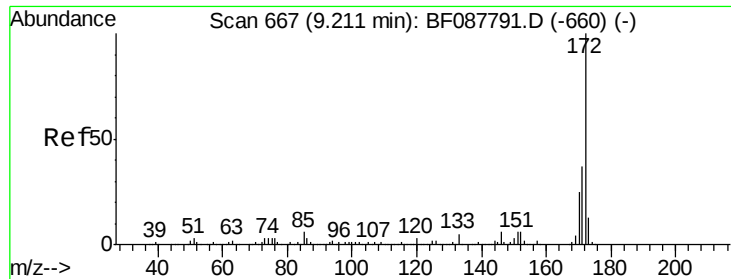


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 100.27 ng

RT: 8.91 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

B1409-TP02W-1224

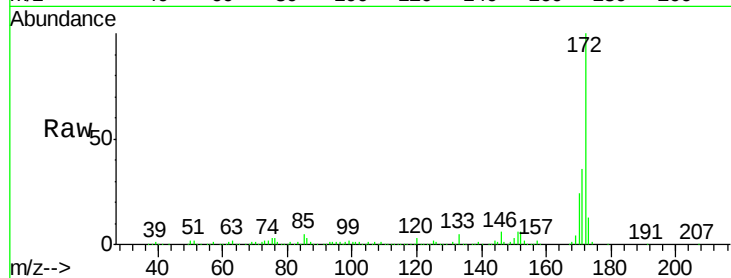
Tgt Ion:172 Resp: 683616

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

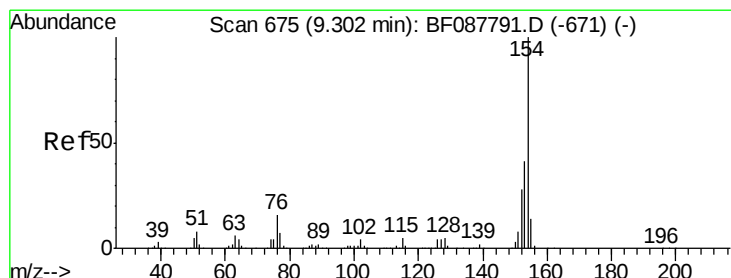
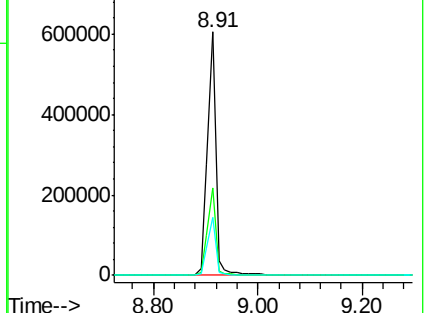
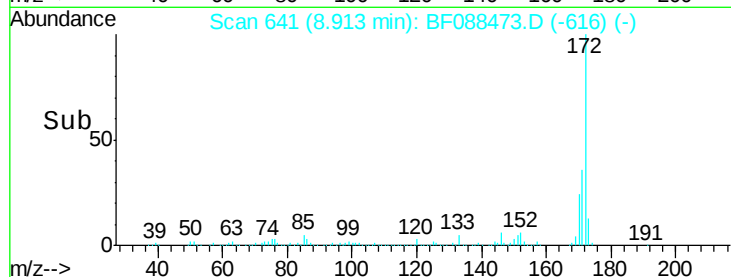
170 23.8 19.2 28.8



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



#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.91 min Scan# 641

Delta R.T. -0.10 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

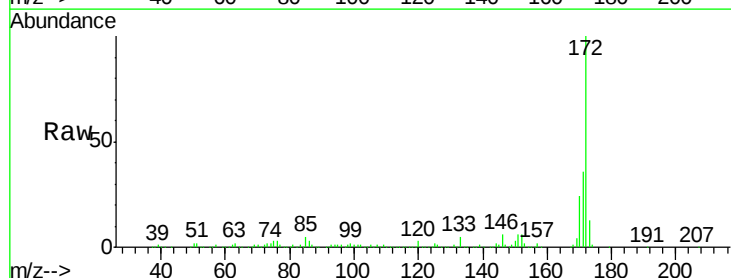
Tgt Ion:154 Resp: 1294

Ion Ratio Lower Upper

154 100

153 1006.5 20.6 60.6#

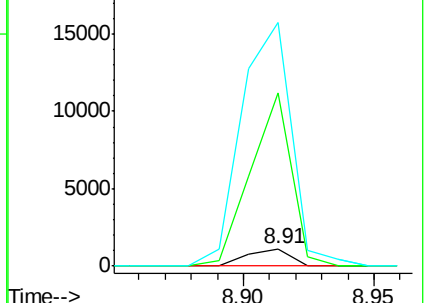
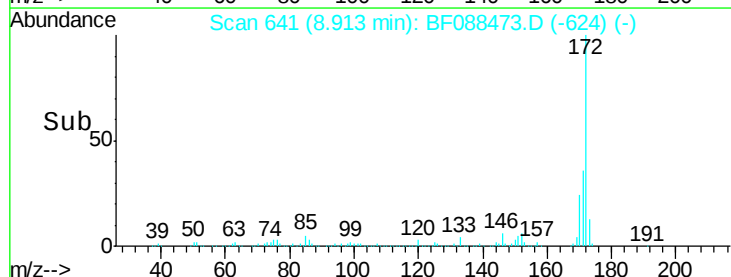
76 1419.9 0.0 35.1#

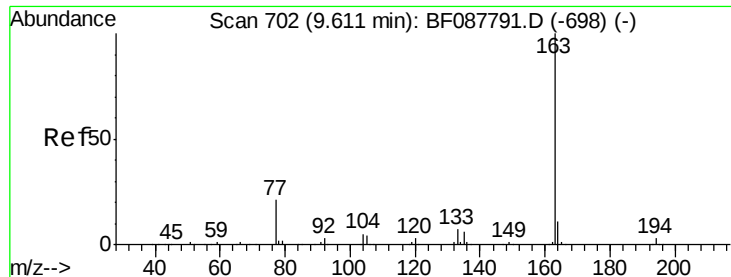


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

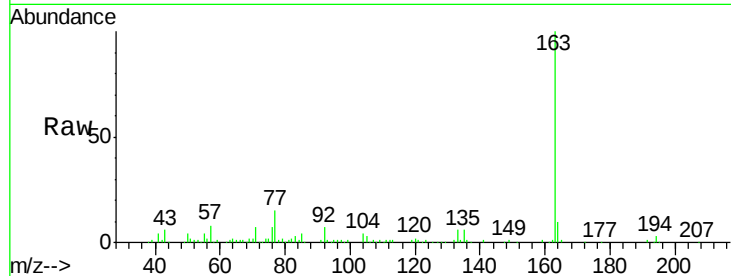




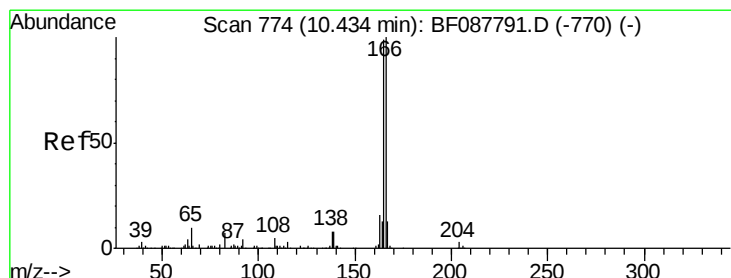
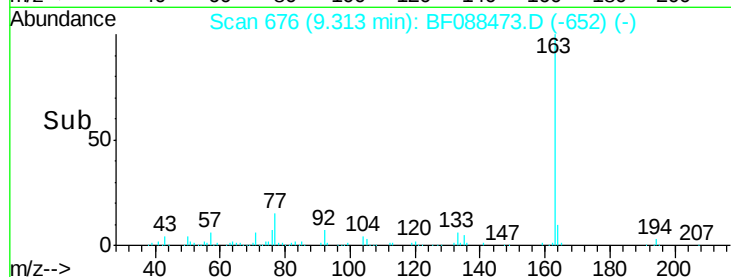
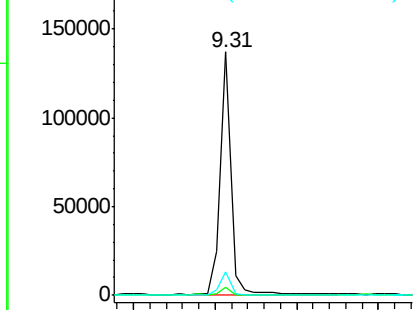
#49
Dimethylphthalate
Concen: 15.89 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF088473.D
Acq: 28 Jun 2016 1:44

Instrument :
BNA_F
ClientSampleId :
B1409-TP02W-1224

Tgt Ion:163 Resp: 124514
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.6 8.3 12.5

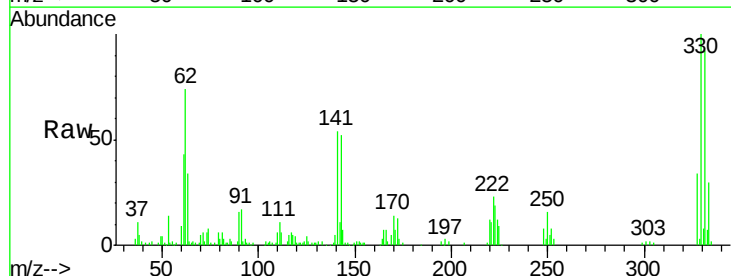


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

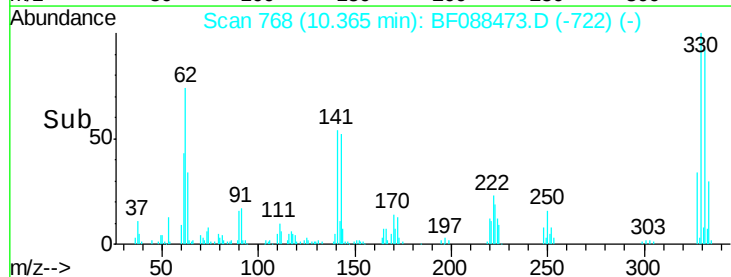
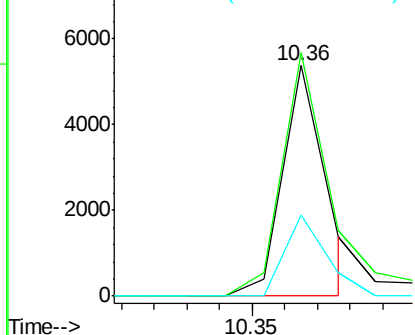


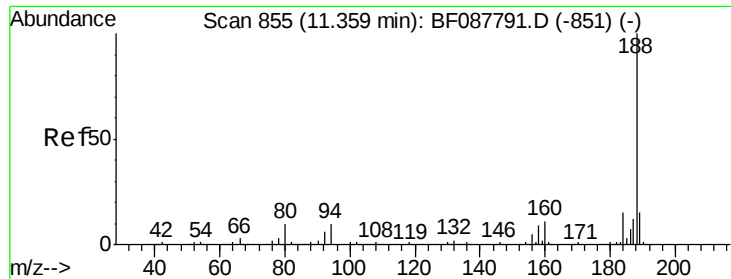
#57
Fluorene
Concen: Below Cal
RT: 10.36 min Scan# 768
Delta R.T. 0.23 min
Lab File: BF088473.D
Acq: 28 Jun 2016 1:44

Tgt Ion:166 Resp: 4909
Ion Ratio Lower Upper
166 100
165 105.6 77.8 116.8
167 35.1 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

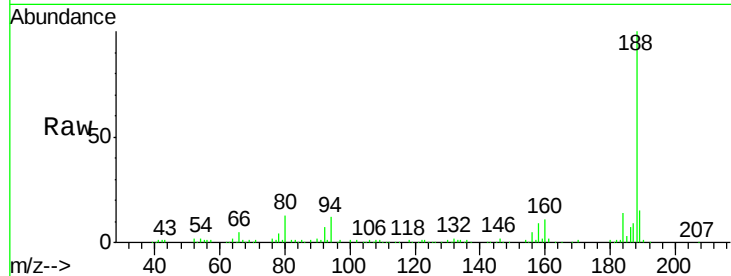




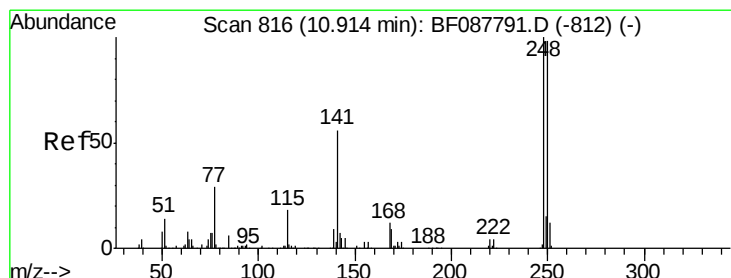
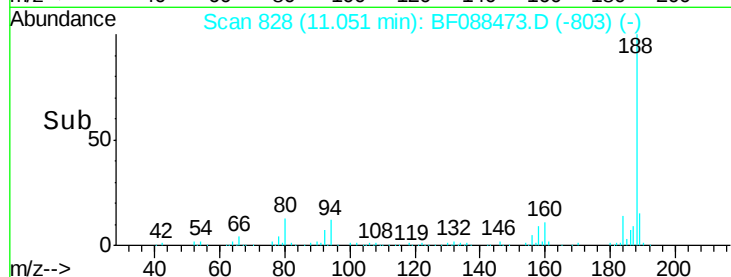
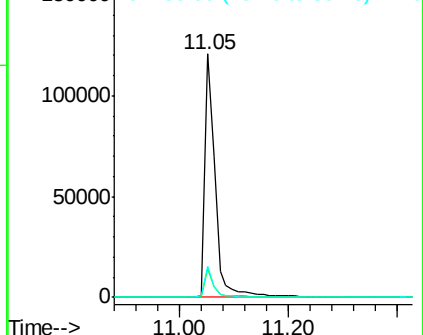
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088473.D
Acq: 28 Jun 2016 1:44

Instrument :
BNA_F
ClientSampleId :
B1409-TP02W-1224

Tgt Ion:188 Resp: 159040
Ion Ratio Lower Upper
188 100
94 11.6 9.0 13.6
80 13.0 10.0 15.0

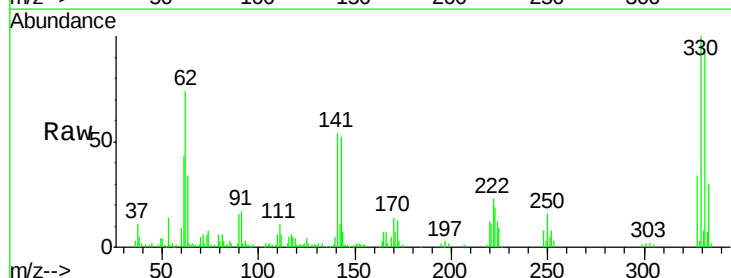


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

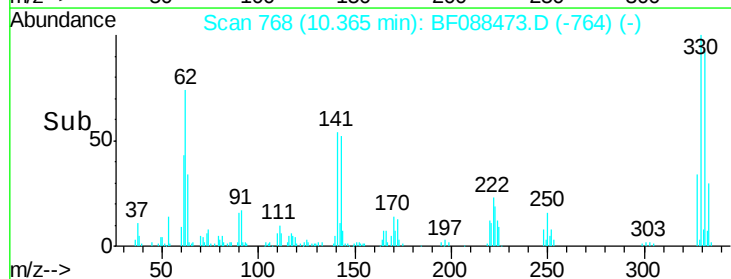
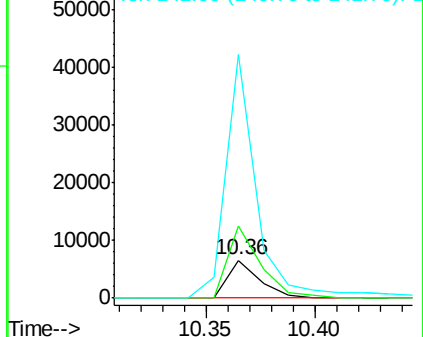


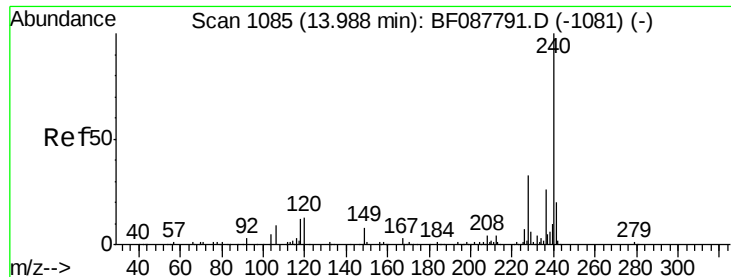
#66
4-Bromophenyl-phenylether
Concen: 3.84 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.25 min
Lab File: BF088473.D
Acq: 28 Jun 2016 1:44

Tgt Ion:248 Resp: 6553
Ion Ratio Lower Upper
248 100
250 189.4 77.1 115.7#
141 645.1 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

Instrument :

BNA_F

ClientSampleId :

B1409-TP02W-1224

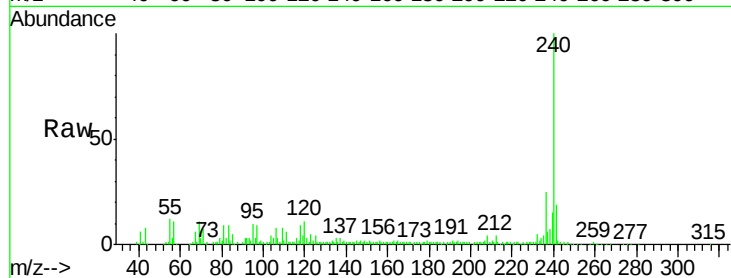
Tgt Ion:240 Resp: 133097

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

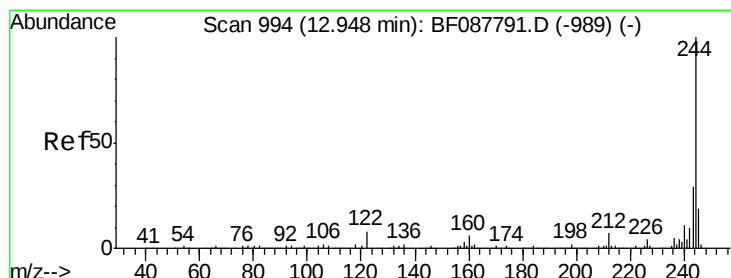
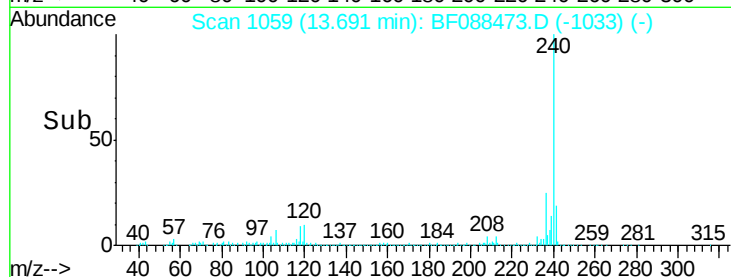
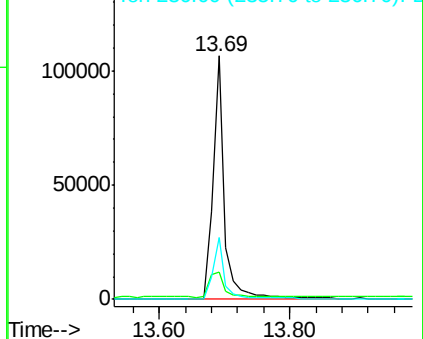
236 25.3 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 73.97 ng

RT: 12.64 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF088473.D

Acq: 28 Jun 2016 1:44

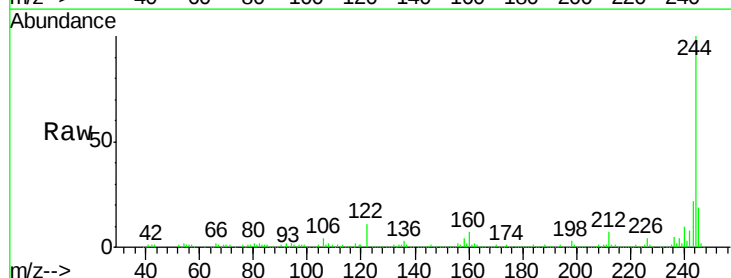
Tgt Ion:244 Resp: 432641

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

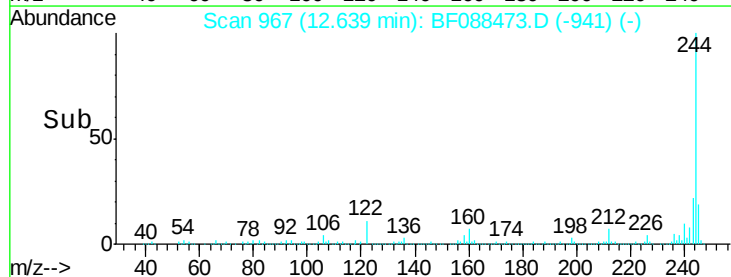
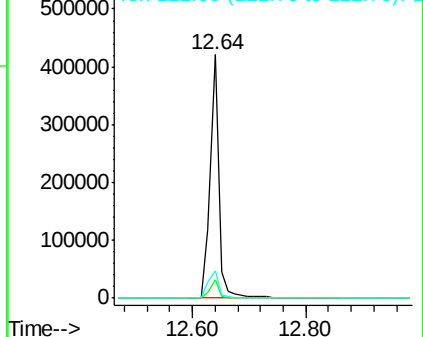
122 11.4 11.2 16.8

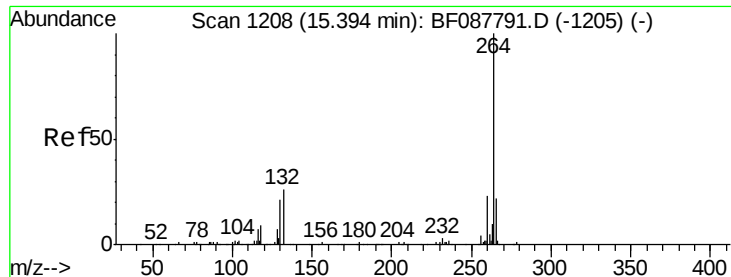


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

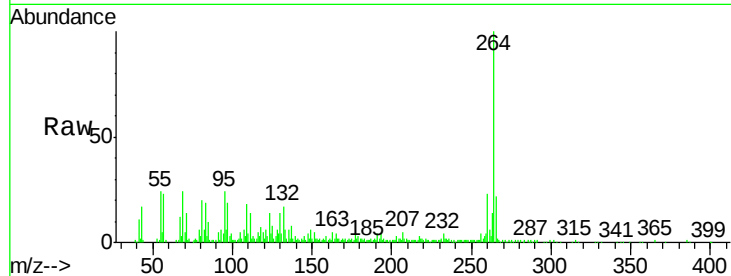




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BF088473.D
Acq: 28 Jun 2016 1:44

Instrument :
BNA_F
ClientSampleId :
B1409-TP02W-1224

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.9	16.9	25.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

