

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088472.D
 Acq On : 28 Jun 2016 1:15
 Operator : UM/SJ
 Sample : H3630-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TPTP-04W-1224

Quant Time: Jun 28 04:56:28 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

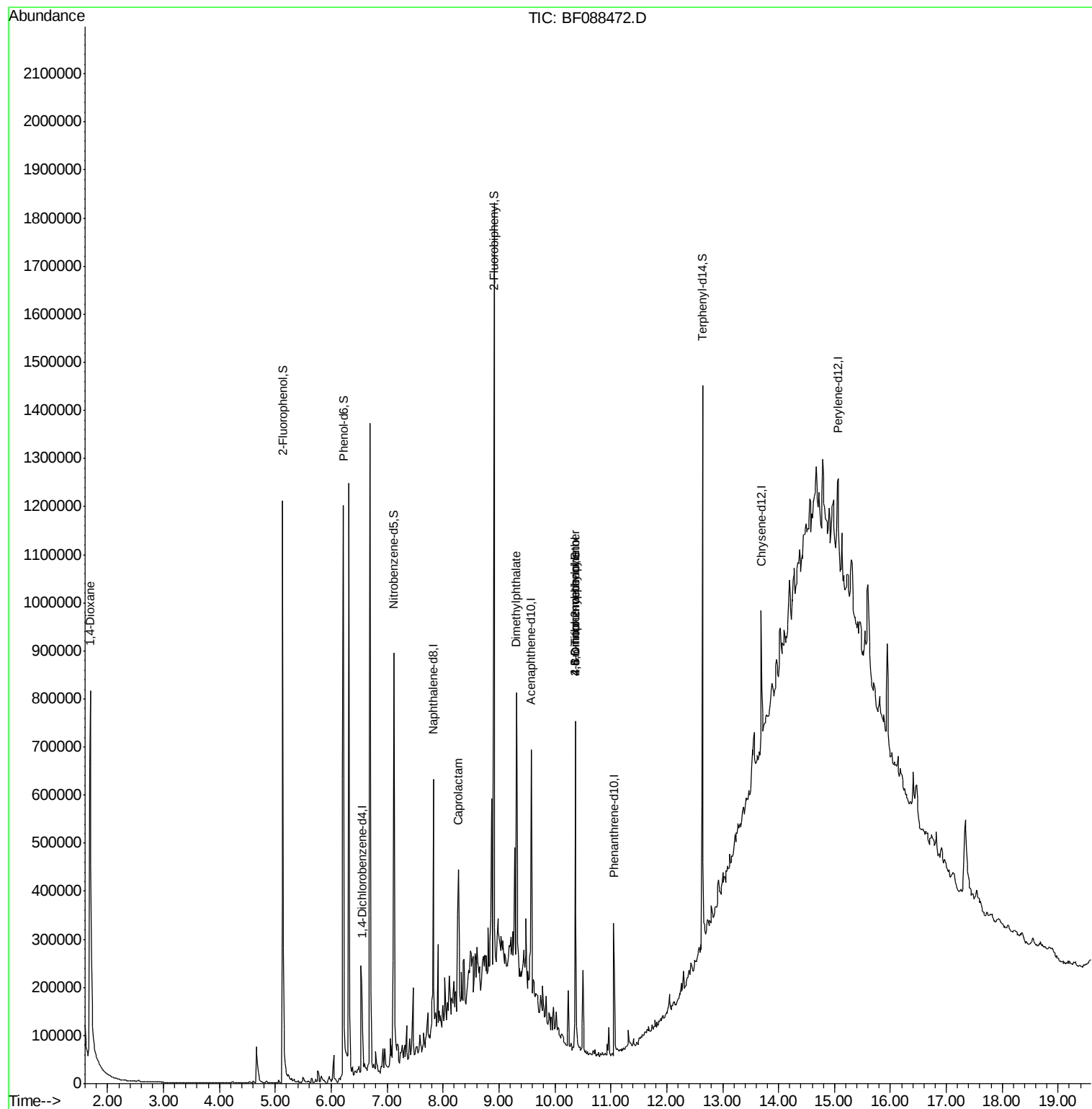
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	62056	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	242031	20.00	ng	-0.01
38) Acenaphthene-d10	9.58	164	97608	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	149674	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	124301	20.00	ng	0.00
86) Perylene-d12	15.06	264	102864	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	487505	134.30	ng	0.00
7) Phenol-d6	6.22	99	661166	150.29	ng	-0.02
23) Nitrobenzene-d5	7.12	82	371972	89.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	99916	96.95	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	640709	104.38	ng	-0.01
78) Terphenyl-d14	12.64	244	397380	72.75	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.69	88	52639	29.84	ng	# 87
10) Phenol	6.23	94	2165	Below Cal	#	1
35) Caprolactam	8.27	113	9695	8.85	ng	# 4
45) 1,1'-Biphenyl	8.99	154	1128	Below Cal	#	6
49) Dimethylphthalate	9.31	163	113885	16.11	ng	100
57) Fluorene	10.14	166	532	Below Cal	#	28
64) 4,6-Dinitro-2-methylphenol	10.36	198	213	2.38	ng	# 1
66) 4-Bromophenyl-phenylether	10.36	248	6231	3.88	ng	# 1

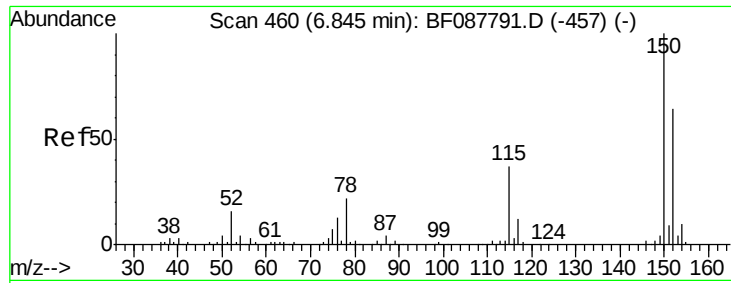
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

Instrument :

BNA_F

ClientSampleId :

B1409-TPTP-04W-1224

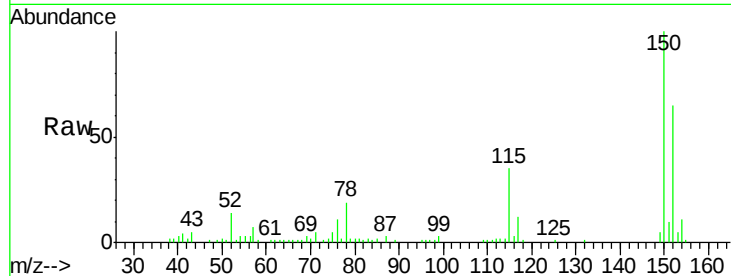
Tgt Ion:152 Resp: 62056

Ion Ratio Lower Upper

152 100

150 154.9 123.8 185.6

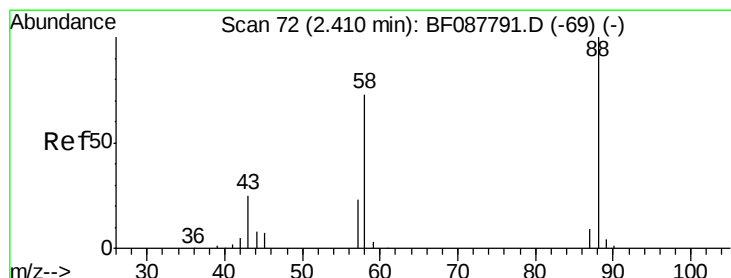
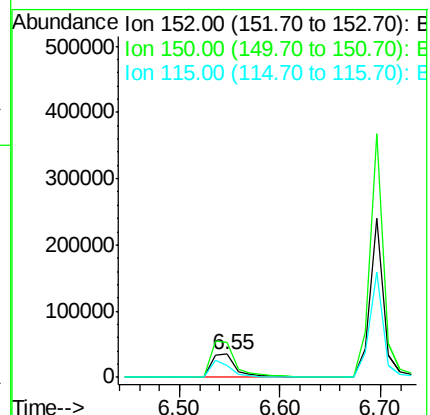
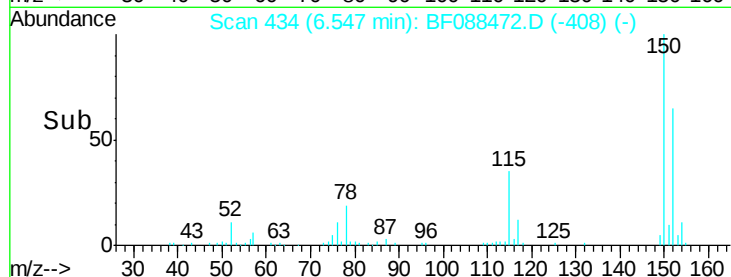
115 53.6 39.6 59.4



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: 29.84 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

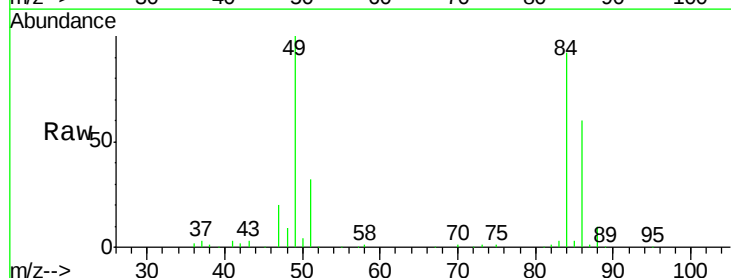
Tgt Ion: 88 Resp: 52639

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

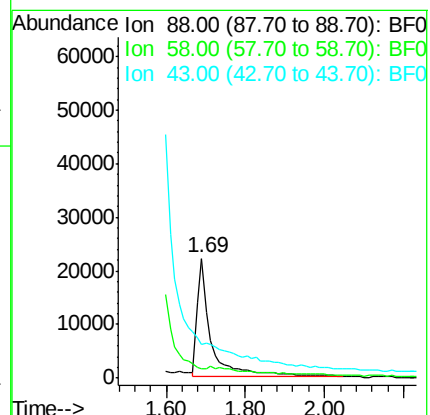
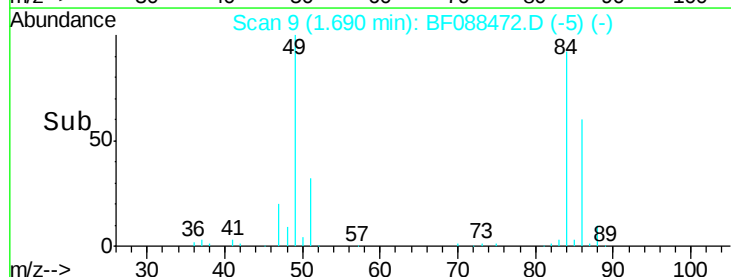
43 0.0 3.4 5.2#

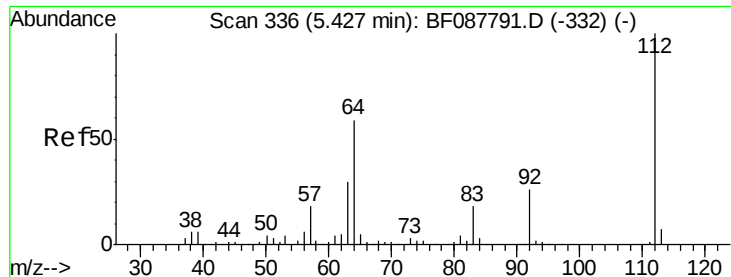


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 134.30 ng

RT: 5.13 min Scan# 310

Delta R.T. 0.00 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

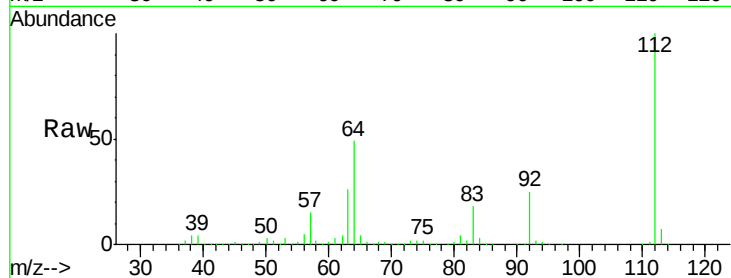
Instrument :

BNA_F

ClientSampleId :

B1409-TPTP-04W-1224

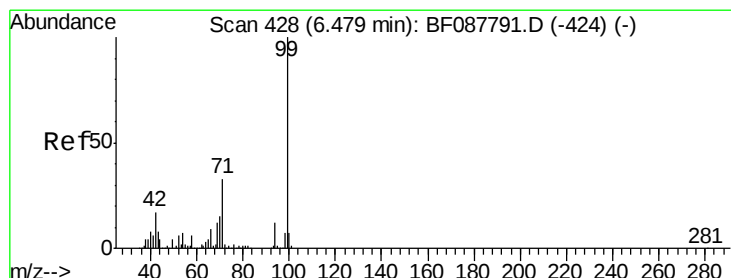
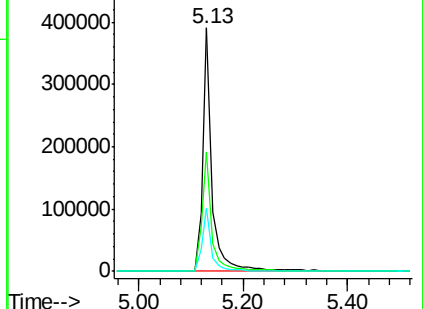
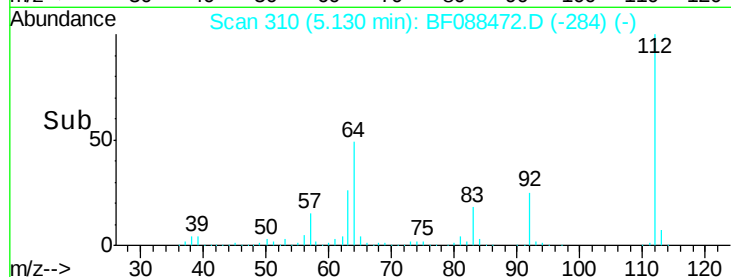
Tgt Ion:	112	Resp:	487505
Ion Ratio	Lower	Upper	
112	100		
64	49.1	42.2	63.2
63	25.8	21.8	32.8



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: 150.29 ng

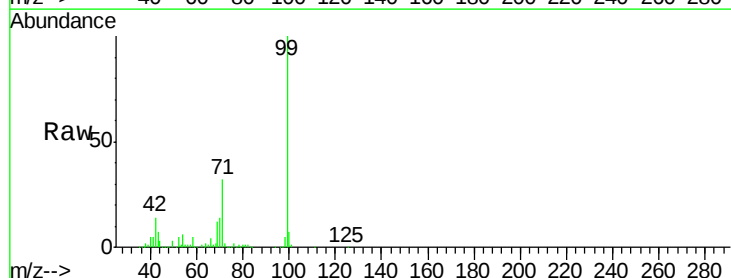
RT: 6.22 min Scan# 405

Delta R.T. -0.02 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

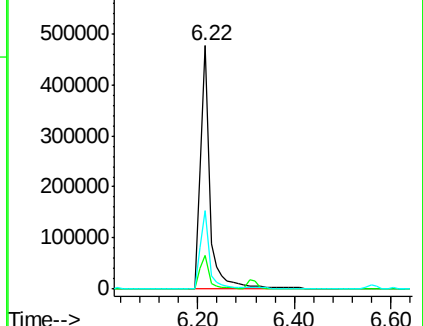
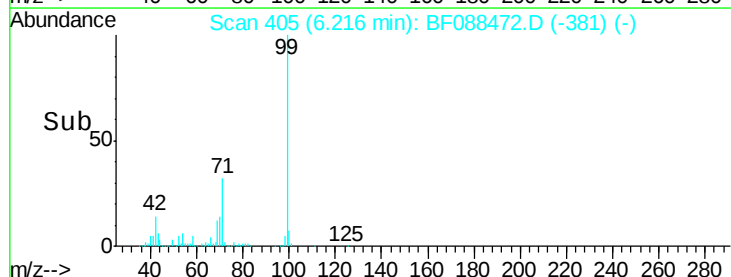
Tgt Ion:	99	Resp:	661166
Ion Ratio	Lower	Upper	
99	100		
42	13.6	12.2	18.2
71	32.3	23.4	35.0

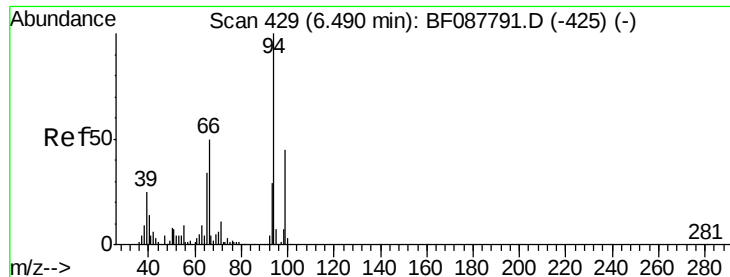


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

Instrument :

BNA_F

ClientSampleId :

B1409-TPTP-04W-1224

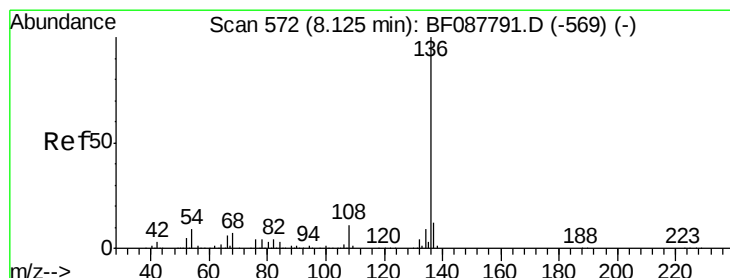
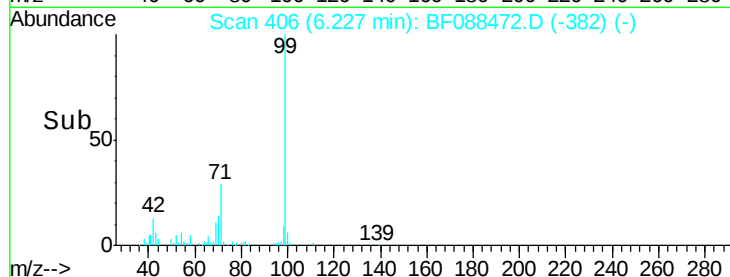
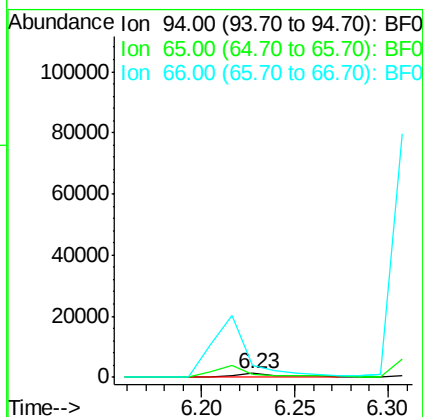
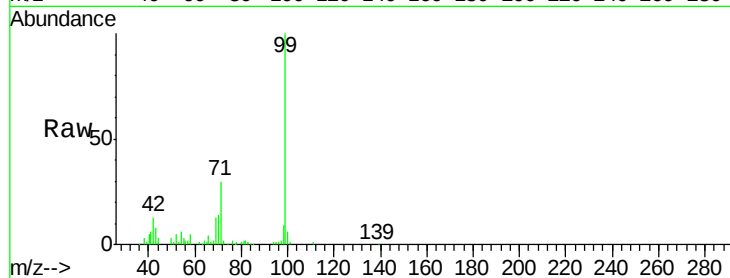
Tgt Ion: 94 Resp: 2165

Ion Ratio Lower Upper

94 100

65 84.2 5.9 45.9#

66 297.8 14.0 54.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

Tgt Ion: 136 Resp: 242031

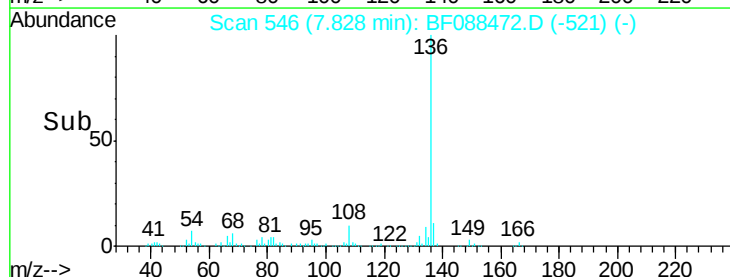
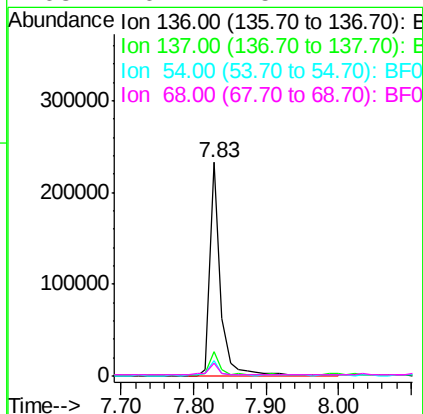
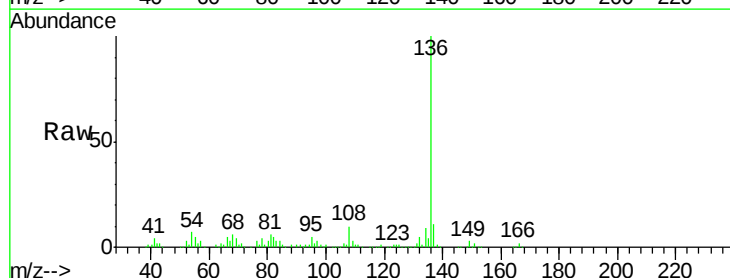
Ion Ratio Lower Upper

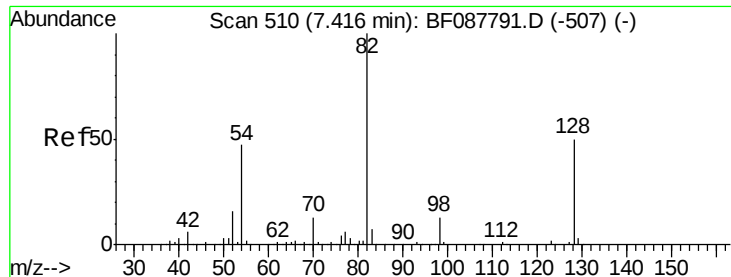
136 100

137 11.3 9.1 13.7

54 7.3 6.6 10.0

68 6.2 5.1 7.7

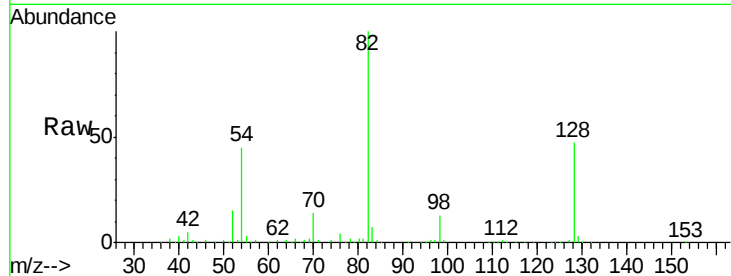




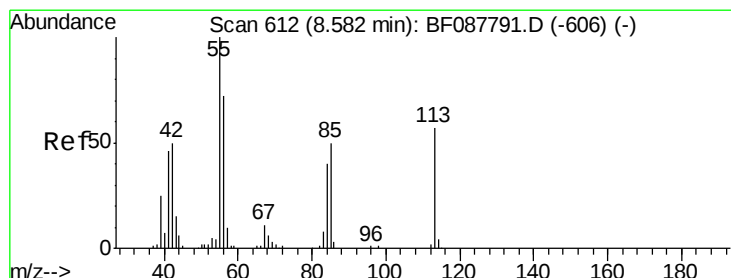
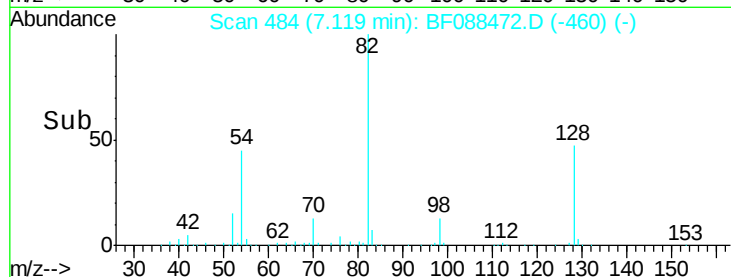
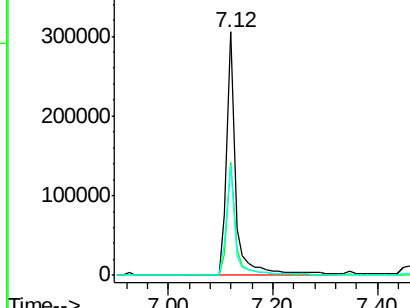
#23
 Nitrobenzene-d5
 Concen: 89.74 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF088472.D
 Acq: 28 Jun 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TPTP-04W-1224

Tgt Ion: 82 Resp: 371972
 Ion Ratio Lower Upper
 82 100
 128 46.5 35.9 53.9
 54 45.1 40.9 61.3

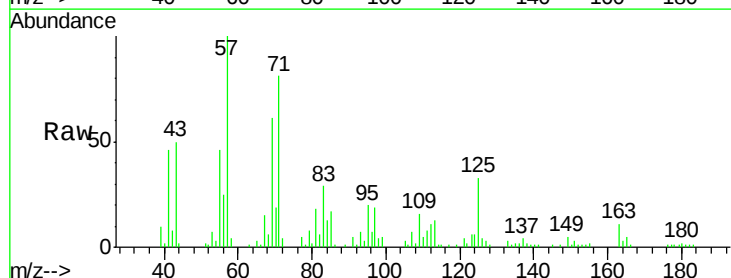


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

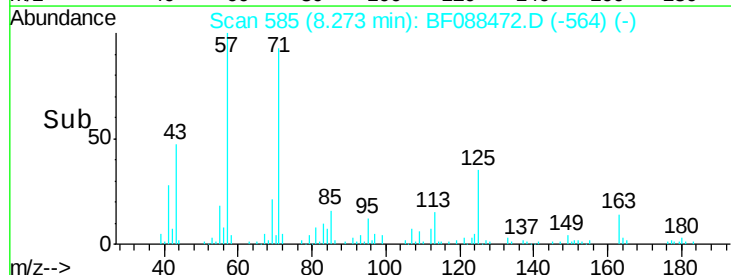
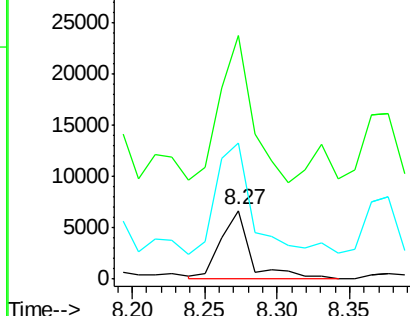


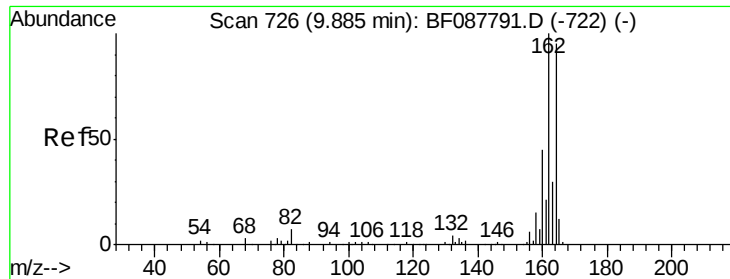
#35
 Caprolactam
 Concen: 8.85 ng
 RT: 8.27 min Scan# 585
 Delta R.T. -0.06 min
 Lab File: BF088472.D
 Acq: 28 Jun 2016 1:15

Tgt Ion: 113 Resp: 9695
 Ion Ratio Lower Upper
 113 100
 55 353.9 158.6 198.6#
 56 197.0 110.6 150.6#



Abundance Ion 113.00 (112.70 to 113.70): BF0
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

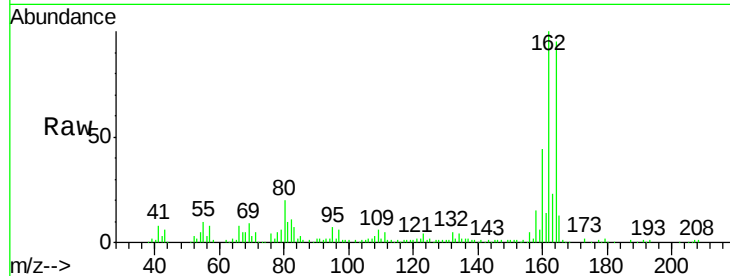




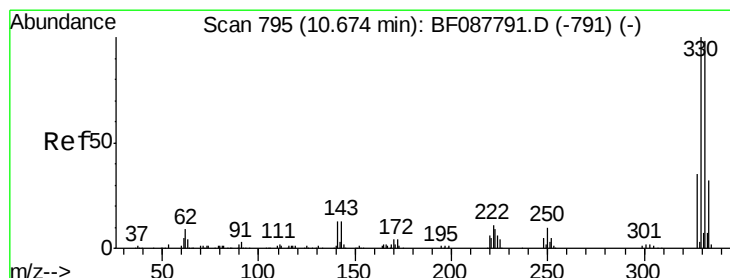
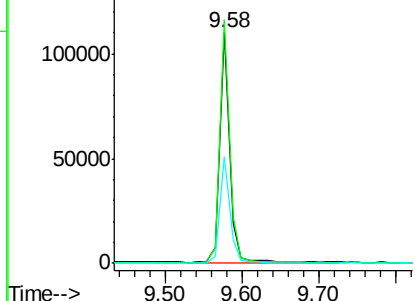
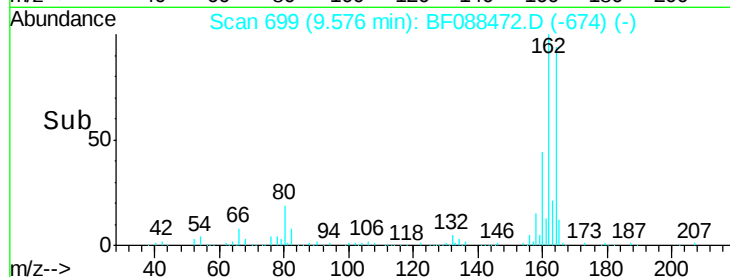
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

Instrument :
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ClientSampleId :
B1409-TPTP-04W-1224

Tgt Ion:164 Resp: 97608
Ion Ratio Lower Upper
164 100
162 105.5 85.4 128.2
160 46.0 39.5 59.3

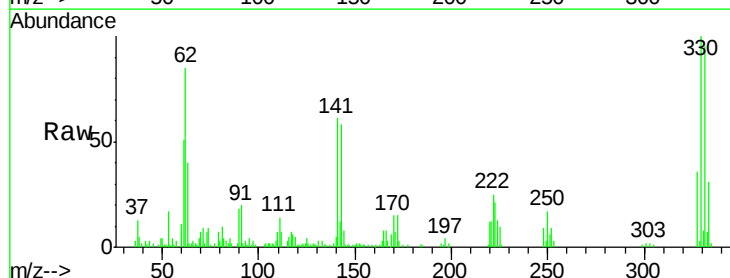


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

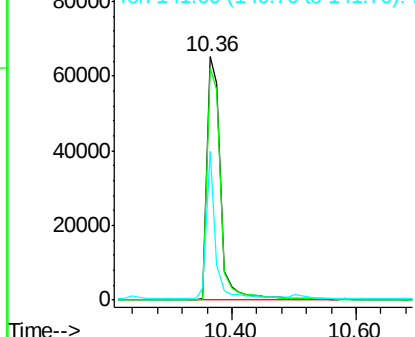
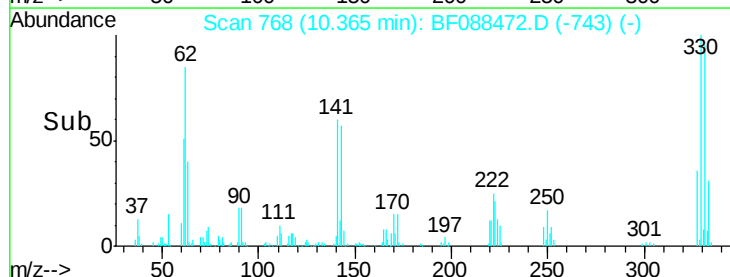


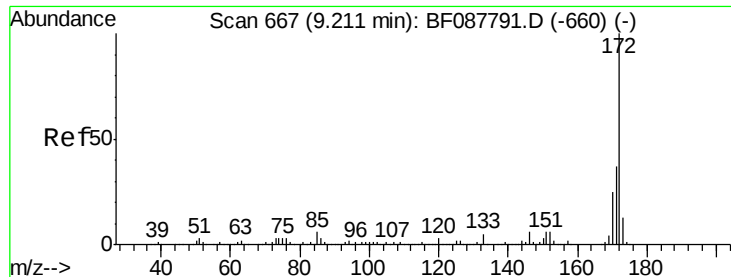
#41
2,4,6-Tribromophenol
Concen: 96.95 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

Tgt Ion:330 Resp: 99916
Ion Ratio Lower Upper
330 100
332 96.4 0.0 0.0#
141 39.2 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

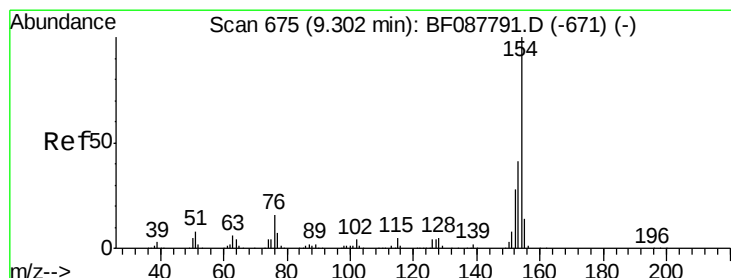
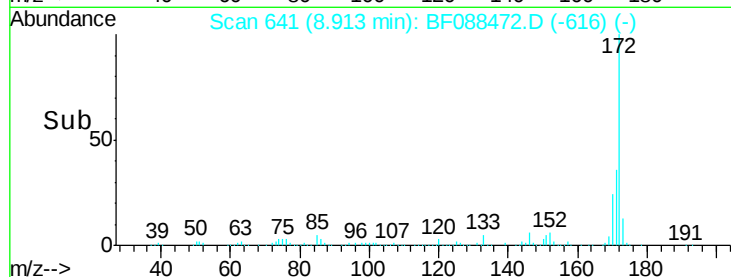
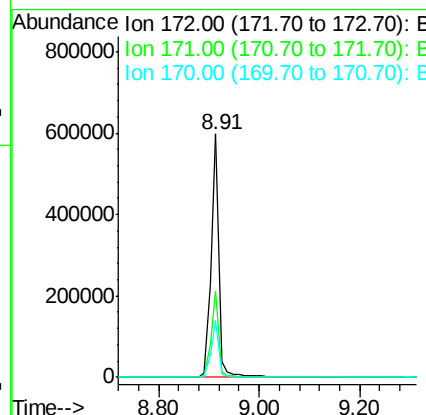
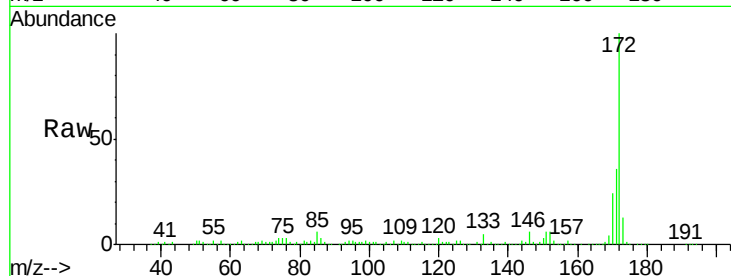




#44
2-Fluorobiphenyl
Concen: 104.38 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

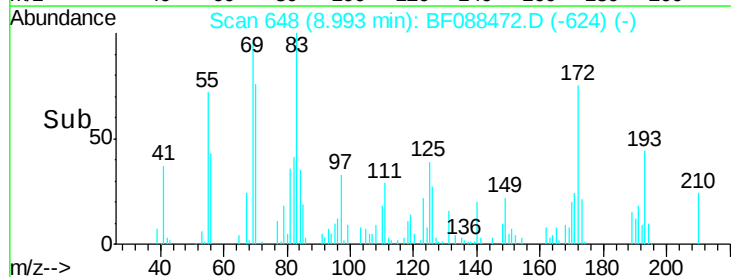
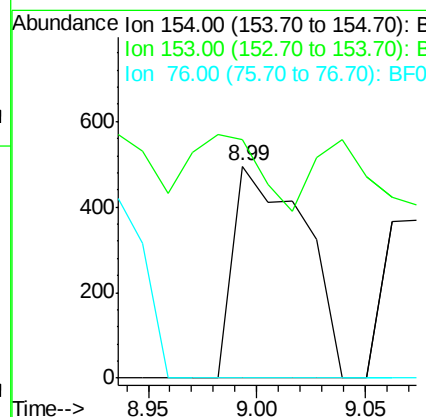
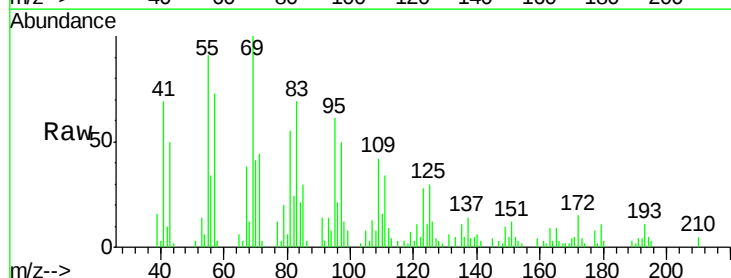
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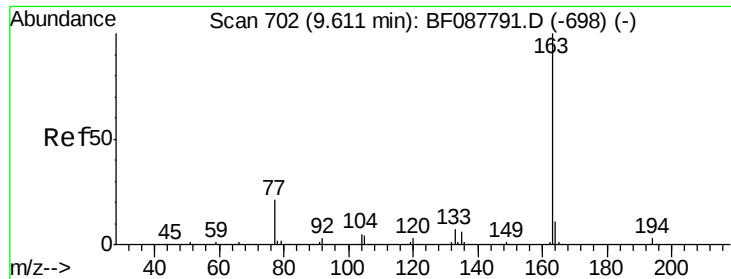
Tgt Ion:172 Resp: 640709
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.5 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.99 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

Tgt Ion:154 Resp: 1128
Ion Ratio Lower Upper
154 100
153 112.7 20.6 60.6#
76 0.0 0.0 35.1

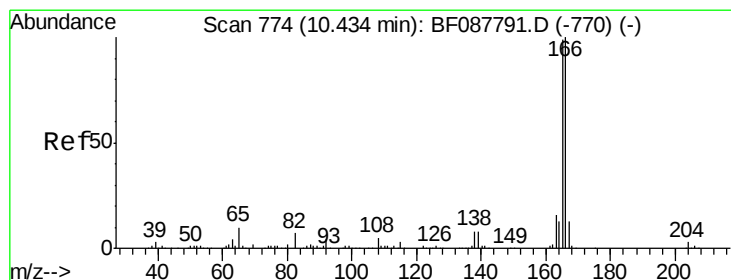
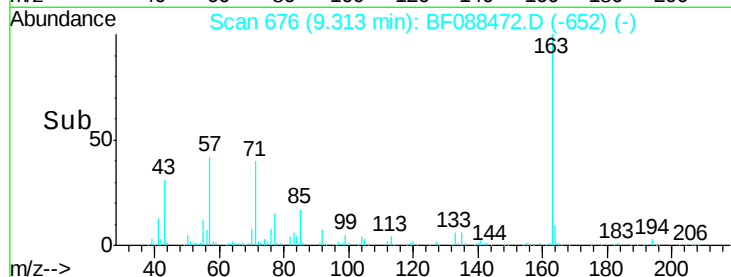
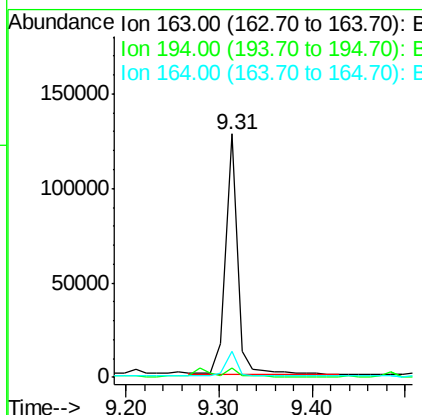
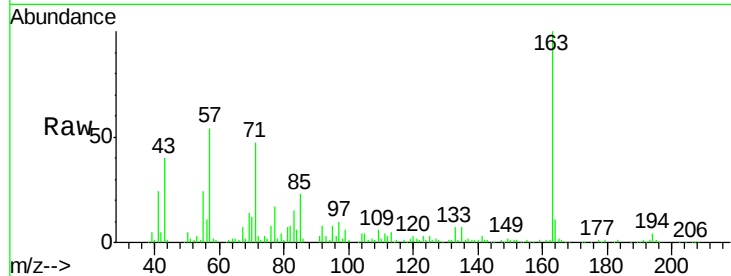




#49
Dimethylphthalate
Concen: 16.11 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

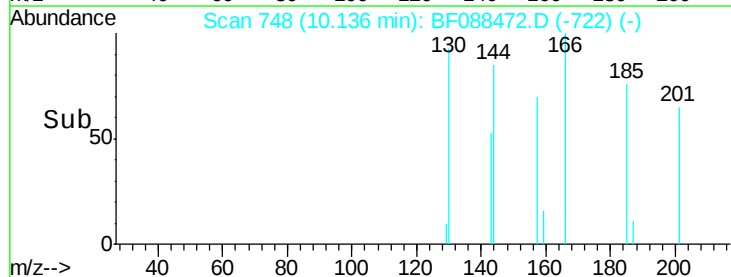
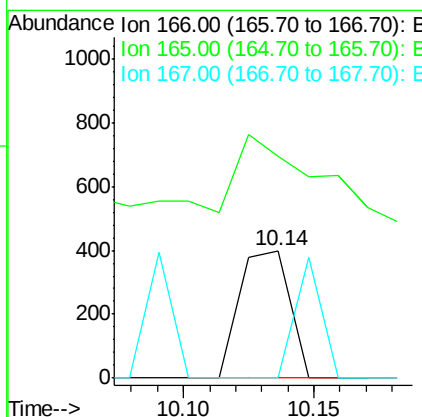
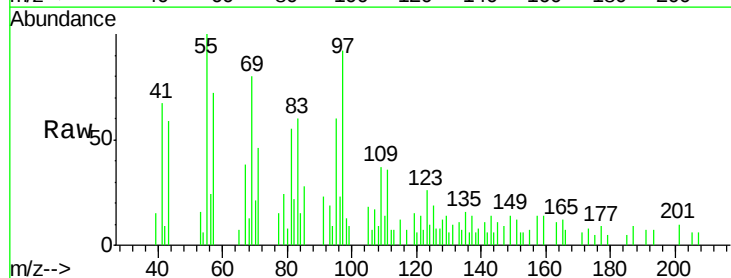
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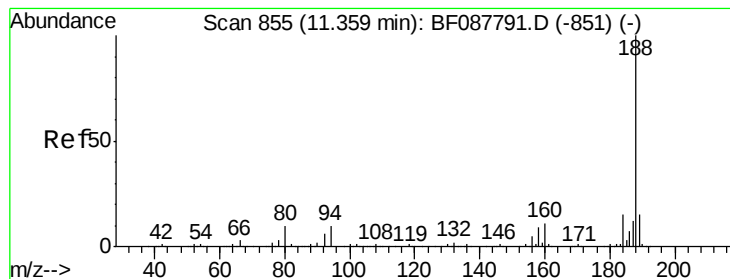
Tgt Ion:163 Resp: 113885
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 10.5 8.3 12.5



#57
Fluorene
Concen: Below Cal
RT: 10.14 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

Tgt Ion:166 Resp: 532
Ion Ratio Lower Upper
166 100
165 173.9 77.8 116.8#
167 0.0 11.2 16.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

Instrument :

BNA_F

ClientSampleId :

B1409-TPTP-04W-1224

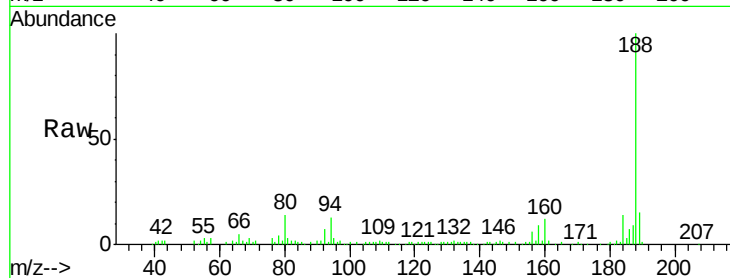
Tgt Ion:188 Resp: 149674

Ion Ratio Lower Upper

188 100

94 12.5 9.0 13.6

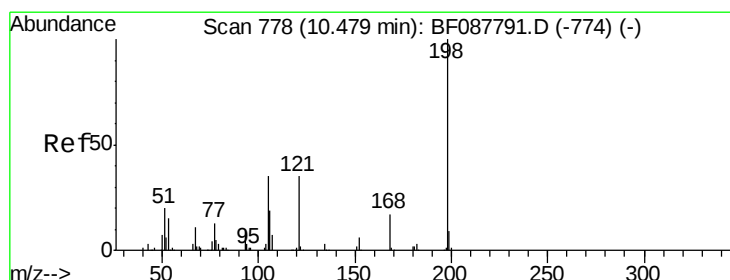
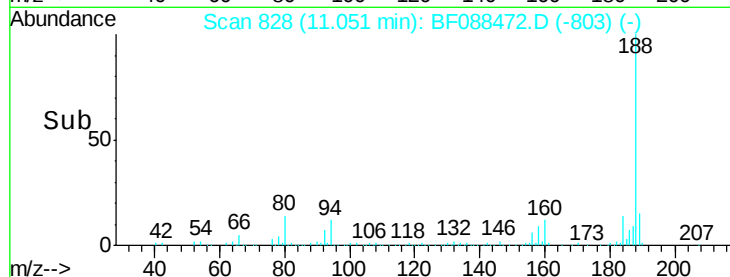
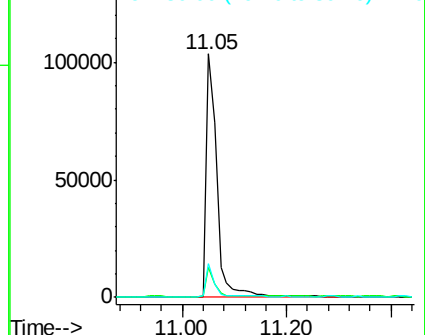
80 13.9 10.0 15.0



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.38 ng

RT: 10.36 min Scan# 768

Delta R.T. 0.15 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

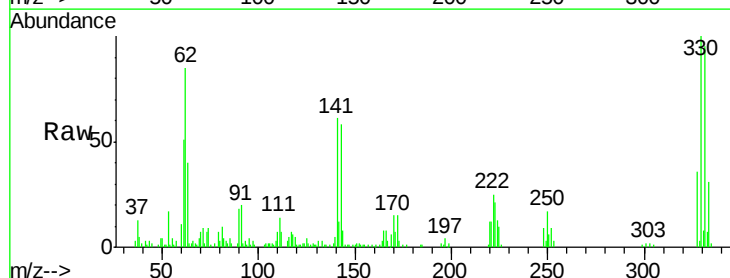
Tgt Ion:198 Resp: 213

Ion Ratio Lower Upper

198 100

51 177.1 39.6 79.6#

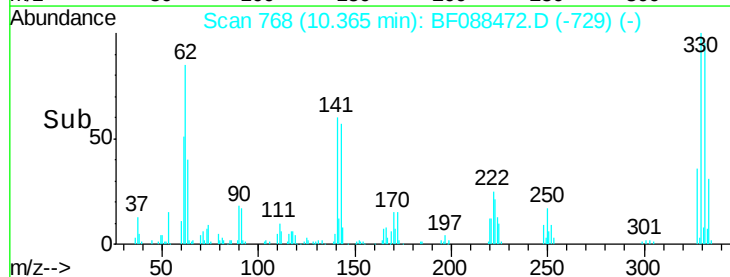
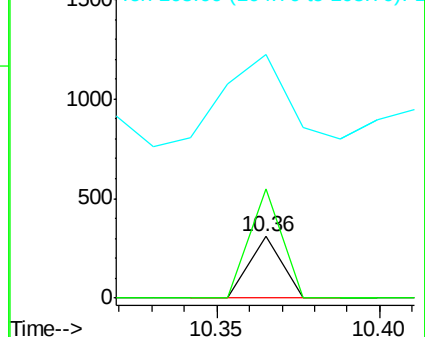
105 394.5 36.6 76.6#

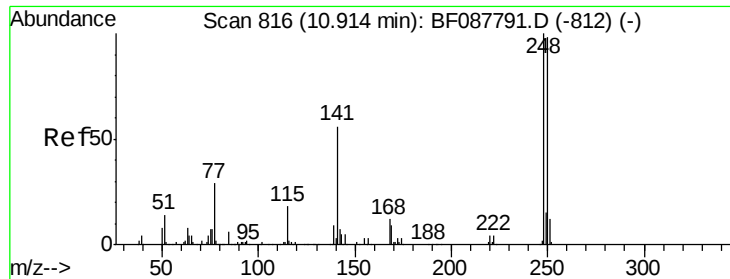


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

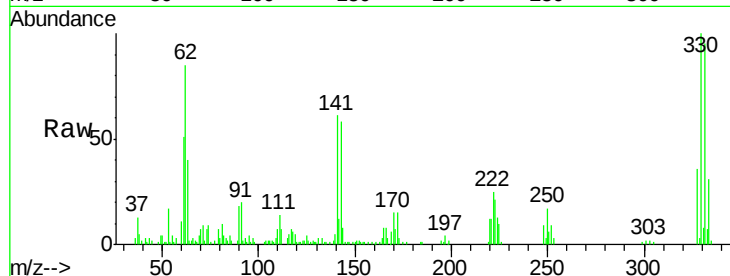




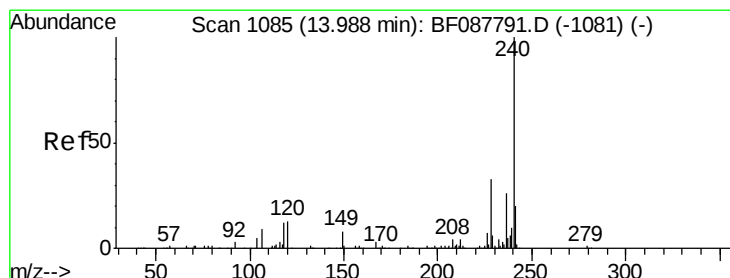
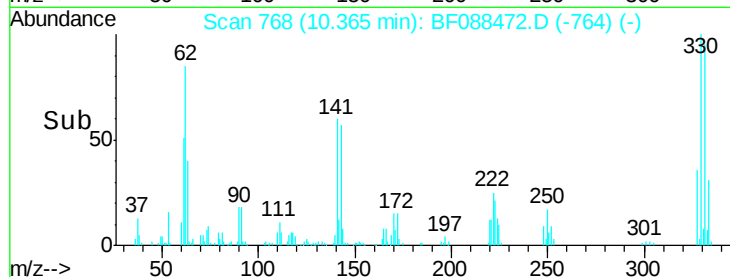
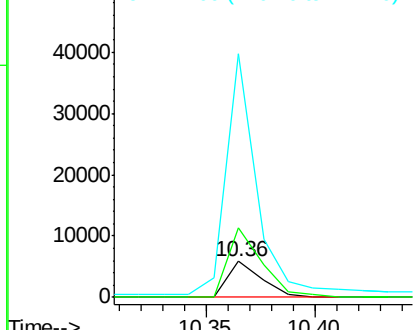
#66
4-Bromophenyl-phenylether
Concen: 3.88 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.25 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

Instrument :
BNA_F
ClientSampleId :
B1409-TPTP-04W-1224

Tgt Ion:248 Resp: 6231
Ion Ratio Lower Upper
248 100
250 192.9 77.1 115.7#
141 676.1 50.6 76.0#

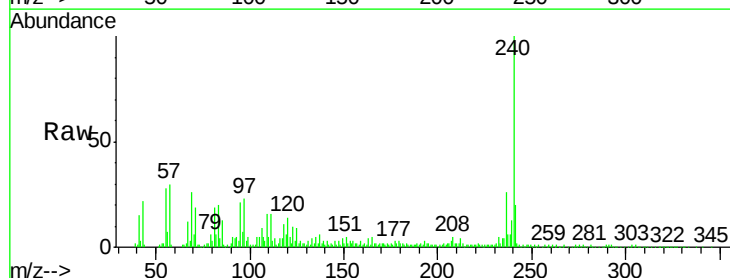


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

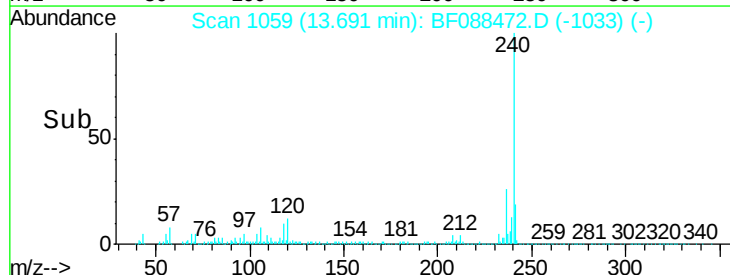
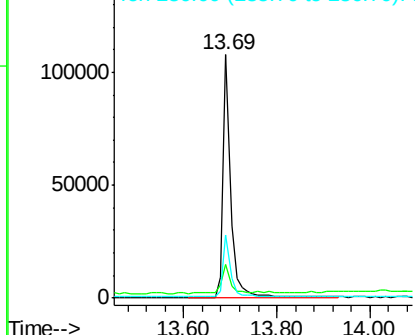


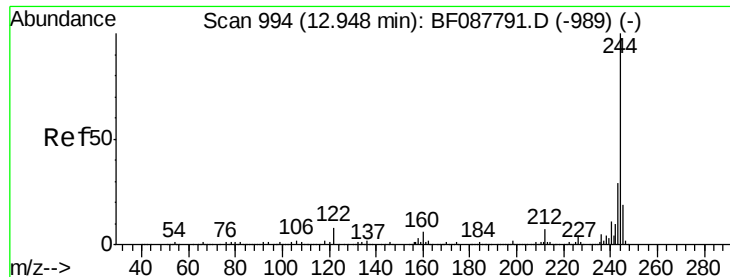
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.69 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BF088472.D
Acq: 28 Jun 2016 1:15

Tgt Ion:240 Resp: 124301
Ion Ratio Lower Upper
240 100
120 13.6 6.8 10.2#
236 26.1 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: 72.75 ng

RT: 12.64 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

Instrument :

BNA_F

ClientSampleId :

B1409-TPTP-04W-1224

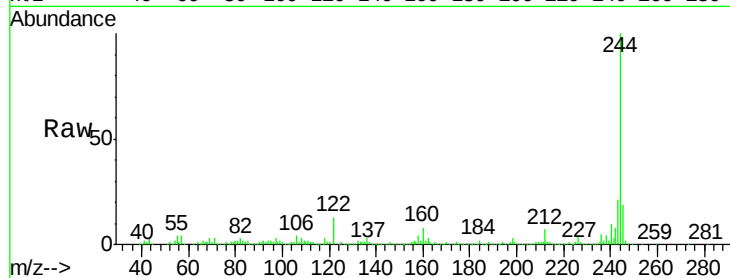
Tgt Ion:244 Resp: 397380

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

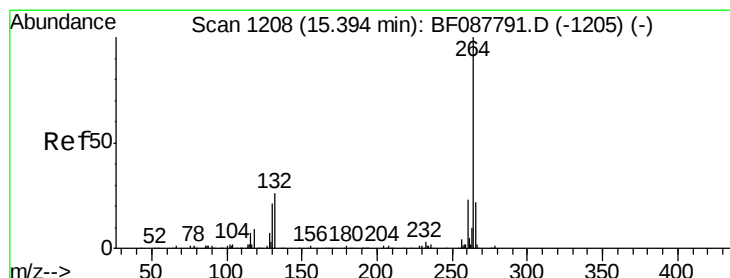
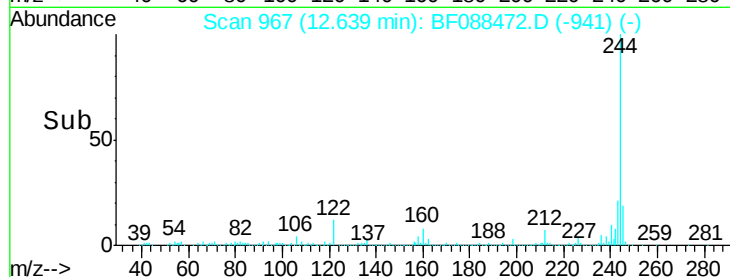
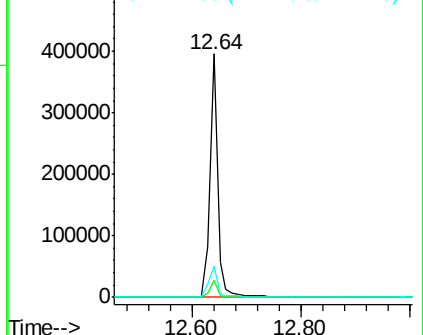
122 12.6 11.2 16.8



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: 15.06 min Scan# 1179

Delta R.T. 0.02 min

Lab File: BF088472.D

Acq: 28 Jun 2016 1:15

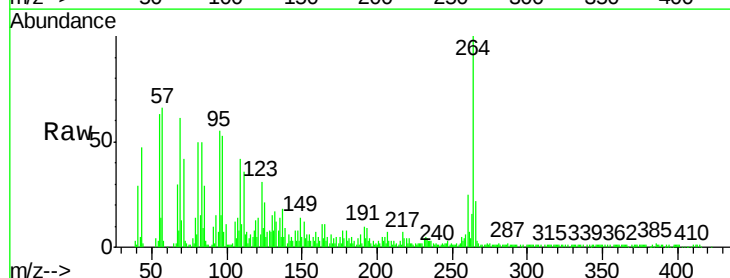
Tgt Ion:264 Resp: 102864

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 22.3 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

