

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088292.D
 Acq On : 23 Jun 2016 13:22
 Operator : UM/SJ
 Sample : H3084-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 0.25

Instrument :
 BNA_F
 ClientSampleId :
 KY032MW006-160512

Manual Integrations
 APPROVED

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Quant Time: Jun 23 14:52:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	8772	5.00	ng	0.02
21) Naphthalene-d8	8.19	136	453705m	5.00	ng	0.30
38) Acenaphthene-d10	9.68	164	42988m	5.00	ng	0.03
63) Phenanthrene-d10	11.12	188	45039	5.00	ng	0.00
75) Chrysene-d12	13.75	240	42381	5.00	ng	0.00
86) Perylene-d12	15.12	264	34156	5.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	10908	5.31	ng	0.09
7) Phenol-d6	6.40	99	17651	7.10	ng	0.14
23) Nitrobenzene-d5	7.28	82	28780	0.93	ng	0.10
41) 2,4,6-Tribromophenol	10.46	330	8110	4.47	ng	0.02
44) 2-Fluorobiphenyl	9.03	172	44428	2.86	ng	0.06
78) Terphenyl-d14	12.70	244	33922	4.55	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.14	88	3710871	3720.87	ng	# 87
6) Aniline	6.39	93	963111	272.03	ng	# 66
10) Phenol	6.39	94	1205719m	496.29	ng	
11) bis(2-Chloroethyl)ether	6.39	93	967410	443.54	ng	86
12) 1,3-Dichlorobenzene	6.56	146	28976m	11.12	ng	
13) 1,4-Dichlorobenzene	6.64	146	125654m	47.85	ng	
14) 1,2-Dichlorobenzene	6.80	146	907466	380.02	ng	# 93
17) 2-Methylphenol	6.97	107	514002	260.90	ng	99
20) 3+4-Methylphenols	7.19	107	5723643m	2489.90	ng	
27) 2,4-Dimethylphenol	7.78	122	3415709m	115.04	ng	
49) Dimethylphthalate	9.45	163	49386	3.96	ng	# 86
59) Diethylphthalate	10.09	149	87212	6.92	ng	95

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



#1

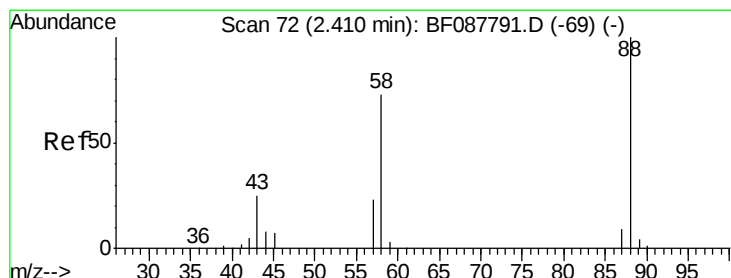
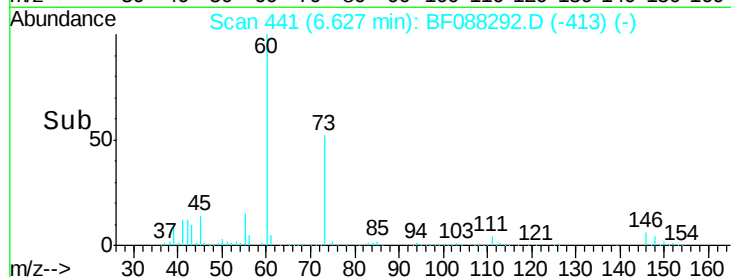
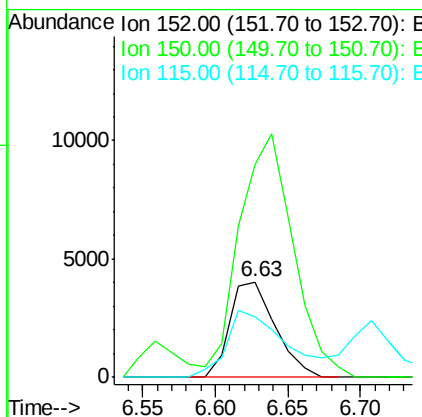
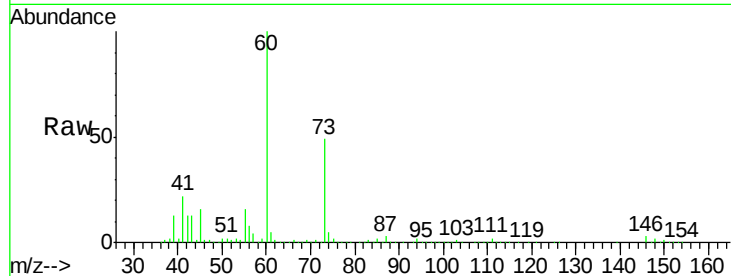
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.63 min Scan# 441
Delta R.T. 0.02 min
Lab File: BF088292.D
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Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	222.9	123.8	185.6#
115	62.8	39.6	59.4#

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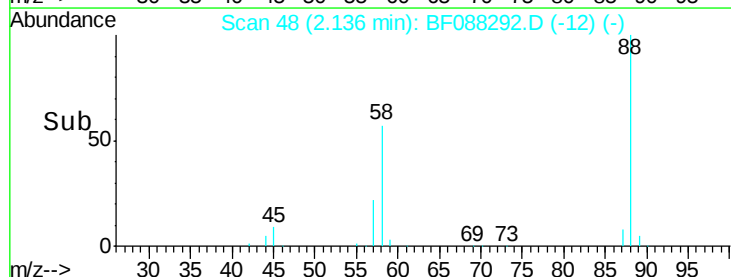
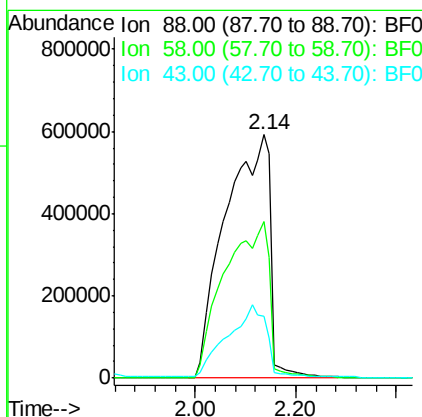
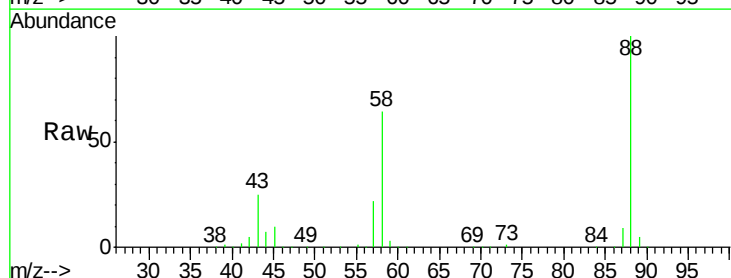
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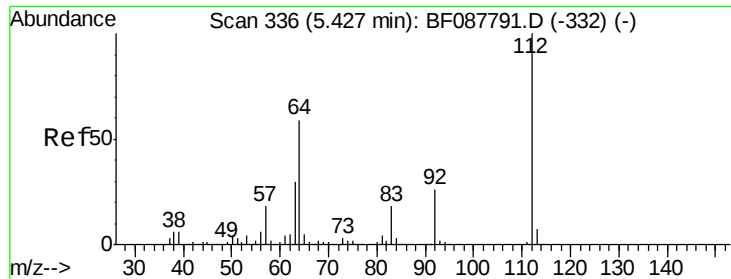


#2

1,4-Dioxane
Concen: 3720.87 ng
RT: 2.14 min Scan# 48
Delta R.T. 0.11 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.4	0.0	0.0#
43	0.0	3.4	5.2#





#5

2-Fluorophenol

Concen: 5.31 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.09 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Instrument :

BNA_F

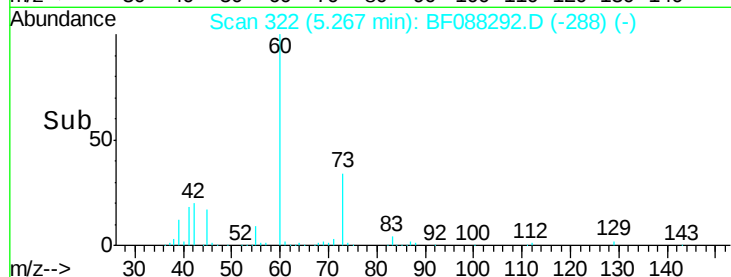
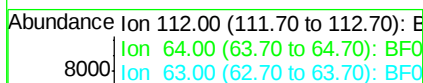
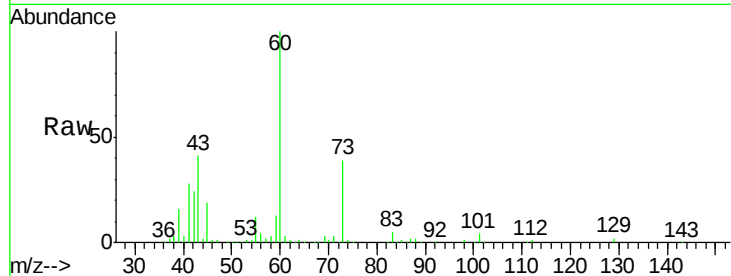
ClientSampleId :

KY032MW006-160512

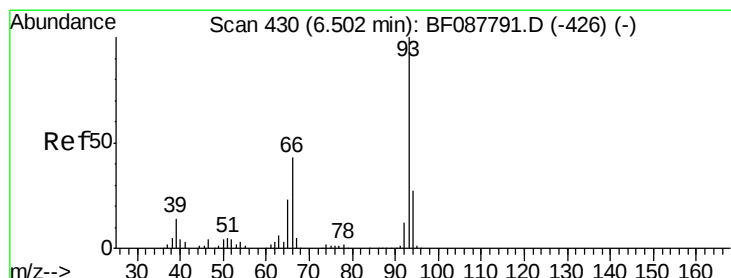
Tot Ion:	112	Resp:	10908
Ion Ratio	Lower	Upper	
112	100		
64	53.8	42.2	63.2
63	32.4	21.8	32.8

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Time-->



#6

Aniline

Concen: 272.03 ng

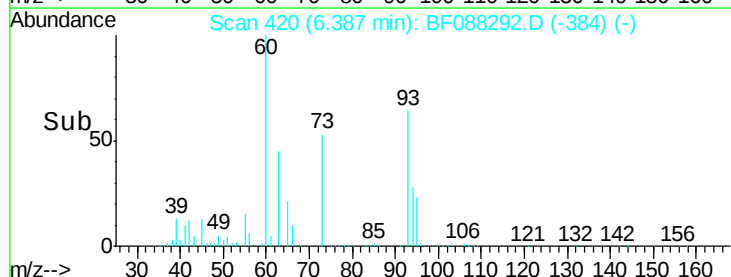
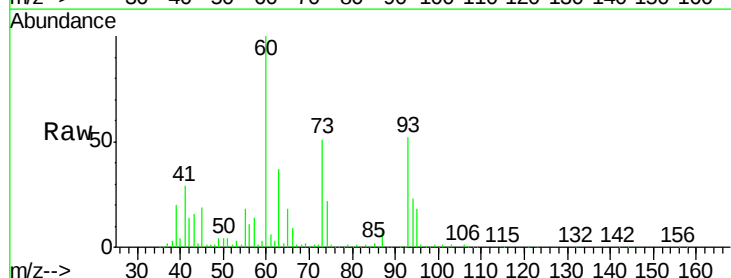
RT: 6.39 min Scan# 420

Delta R.T. 0.11 min

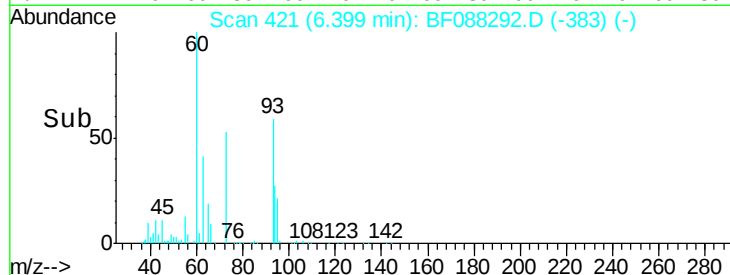
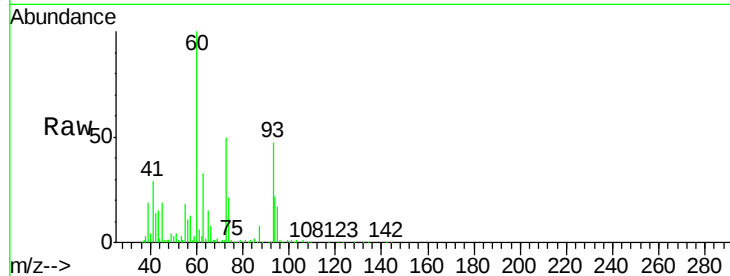
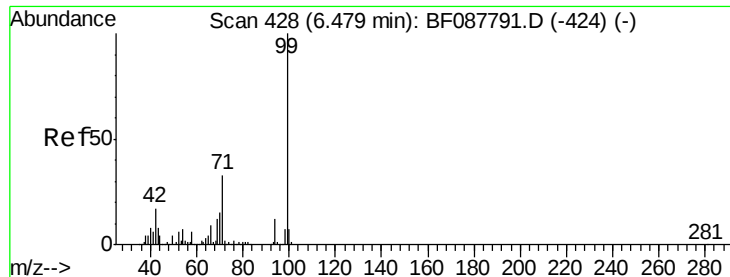
Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Tgt Ion:	93	Resp:	963111
Ion Ratio	Lower	Upper	
93	100		
66	16.9	29.8	44.8#
65	33.7	14.9	22.3#



Time-->



#7

Phenol-d6

Concen: 7.10 ng

RT: 6.40 min Scan# 421

Delta R.T. 0.14 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Instrument :

BNA_F

ClientSampleId :

KY032MW006-160512

Tot Ion: 99 Resp: 17651

Ion Ratio Lower Upper

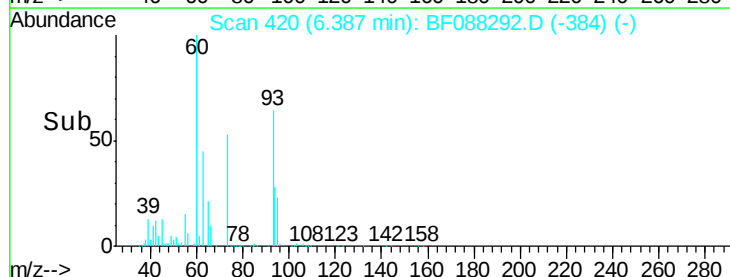
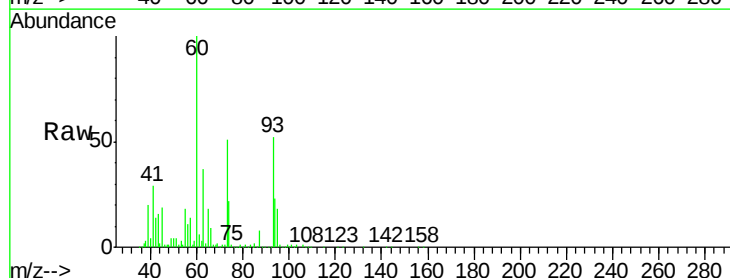
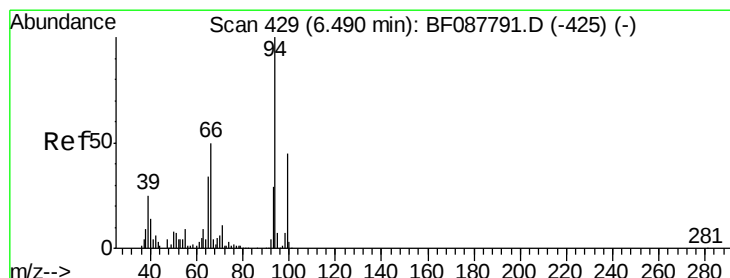
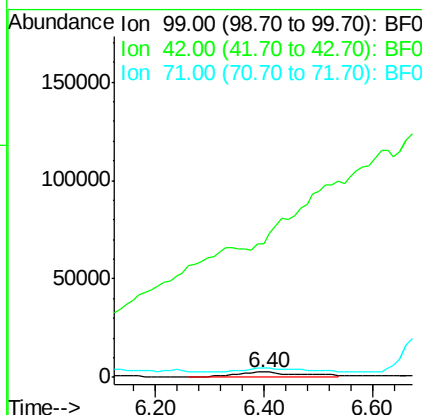
99 100

42 2487.4 12.2 18.2

71 168.8 23.4 35.0

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#10

Phenol

Concen: 496.29 ng m

RT: 6.39 min Scan# 420

Delta R.T. 0.11 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

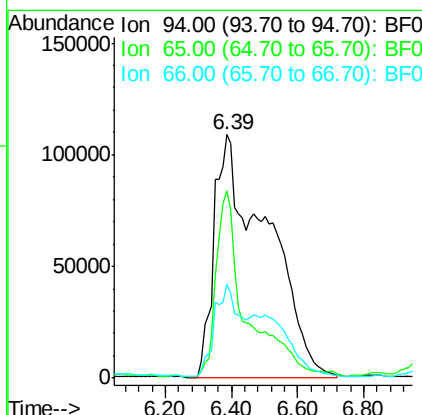
Tgt Ion: 94 Resp: 1205719

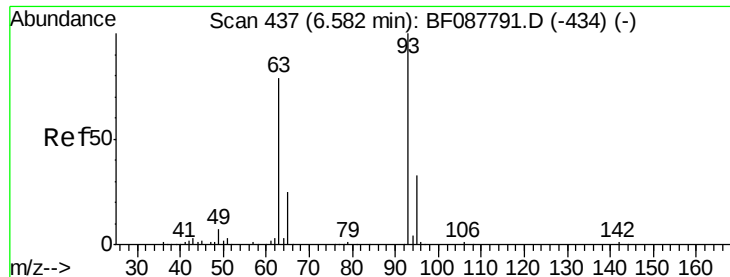
Ion Ratio Lower Upper

94 100

65 76.7 5.9 45.9

66 38.6 14.0 54.0





#11

bis(2-Chloroethyl)ether

Concen: 443.54 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.03 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Instrument :

BNA_F

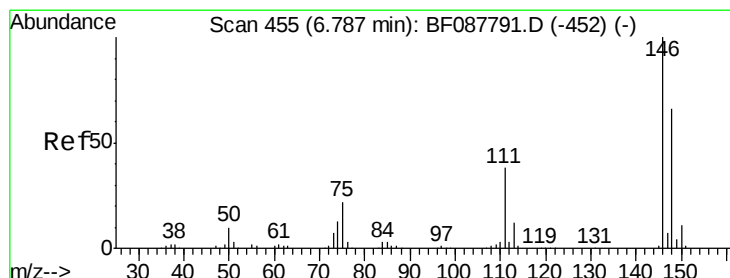
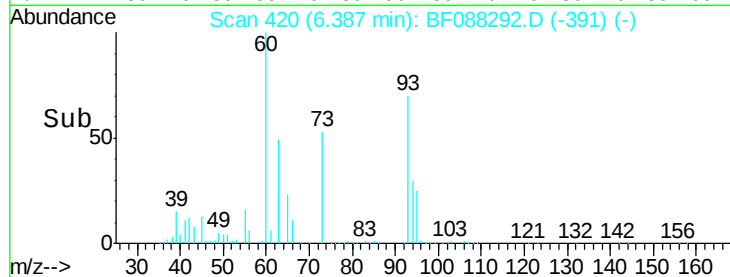
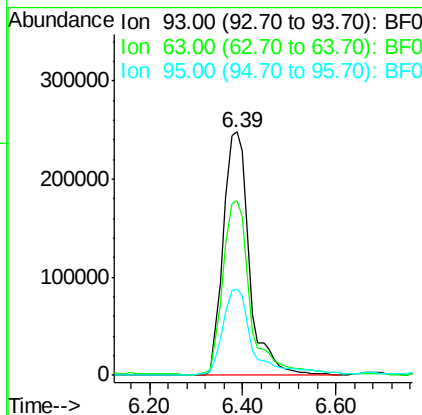
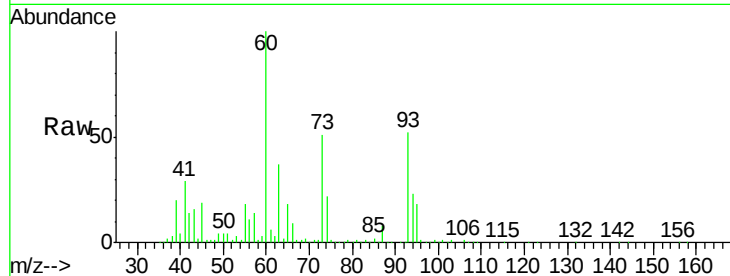
ClientSampleId :

KY032MW006-160512

Tot Ion:	93	Resp:	967410
Ion	Ratio	Lower	Upper
93	100		
63	71.4	67.6	107.6
95	35.4	12.5	52.5

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#12

1,3-Dichlorobenzene

Concen: 11.12 ng m

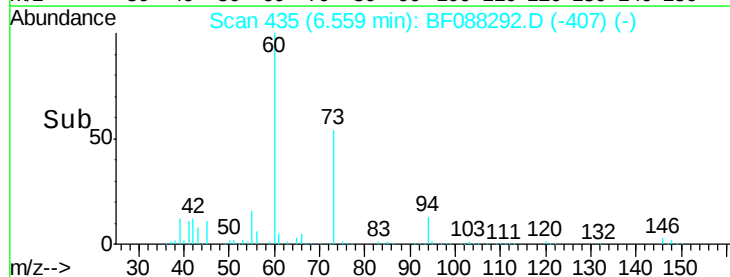
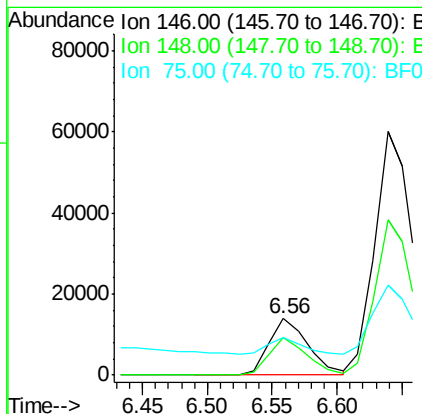
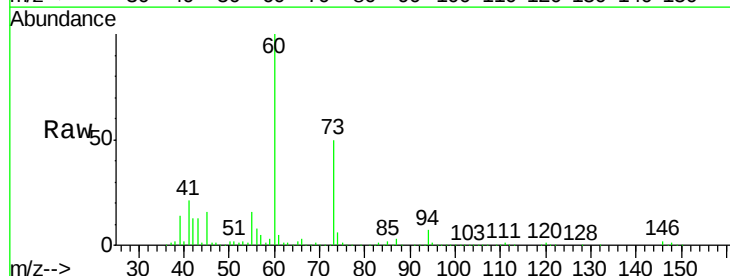
RT: 6.56 min Scan# 435

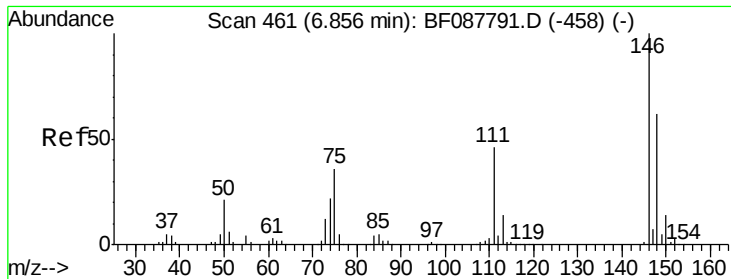
Delta R.T. 0.02 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Tgt Ion:	146	Resp:	28976
Ion	Ratio	Lower	Upper
146	100		
148	66.5	50.9	76.3
75	65.6	25.6	38.4#





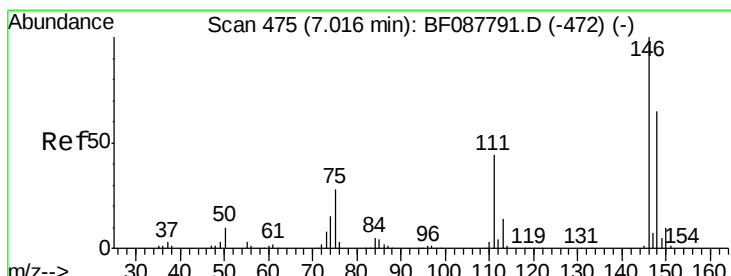
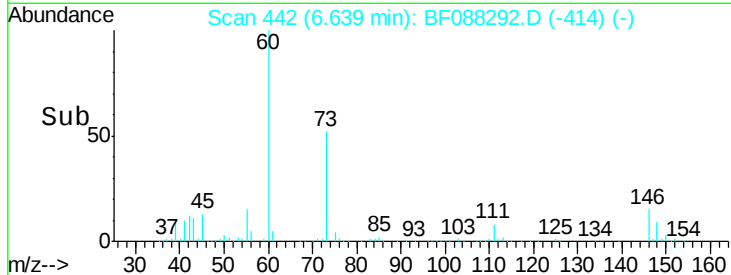
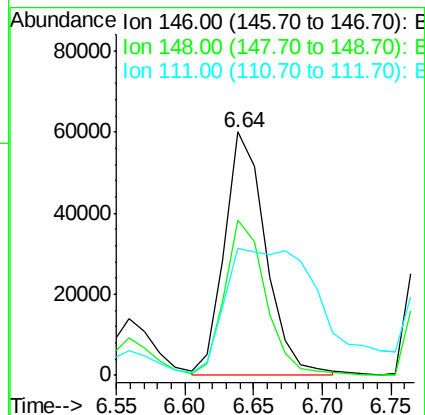
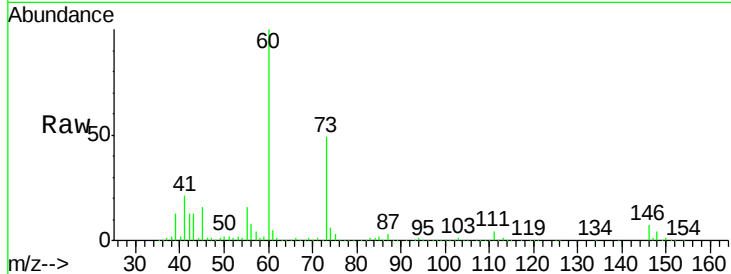
#13
 1,4-Dichlorobenzene
 Concen: 47.85 ng/ml
 RT: 6.64 min Scan# 442
 Delta R.T. 0.02 min
 Lab File: BF088292.D
 Acq: 23 Jun 2016 13:22

Instrument :
 BNA_F
 ClientSampleId :
 KY032MW006-160512

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.0	78.0
111	52.2	33.8	50.8

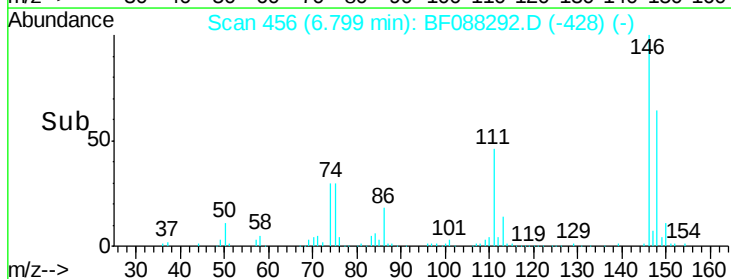
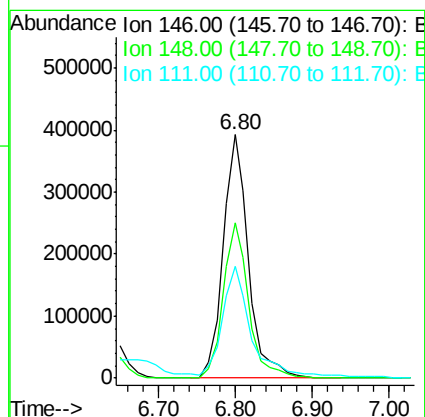
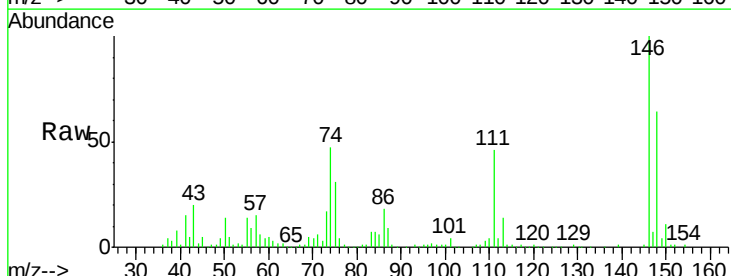
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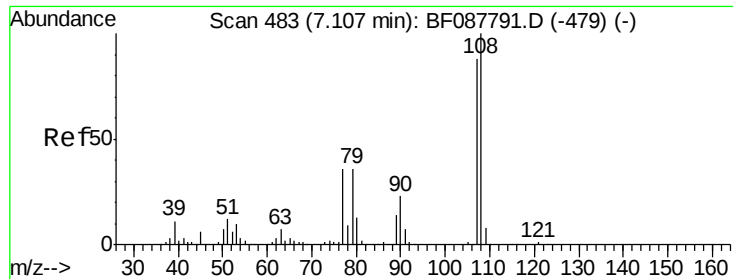
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#14
 1,2-Dichlorobenzene
 Concen: 380.02 ng/ml
 RT: 6.80 min Scan# 456
 Delta R.T. 0.02 min
 Lab File: BF088292.D
 Acq: 23 Jun 2016 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.3	78.5
111	45.9	28.7	43.1





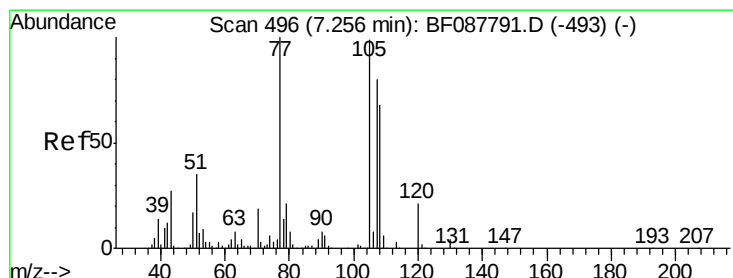
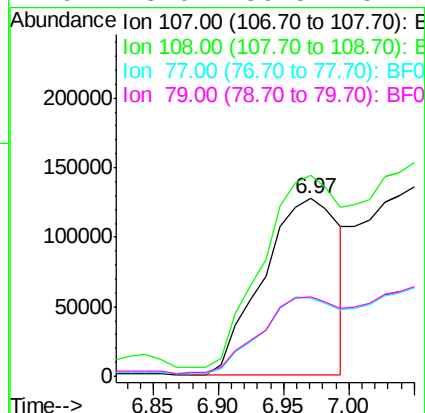
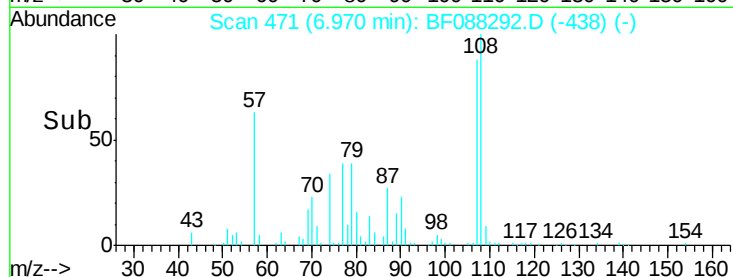
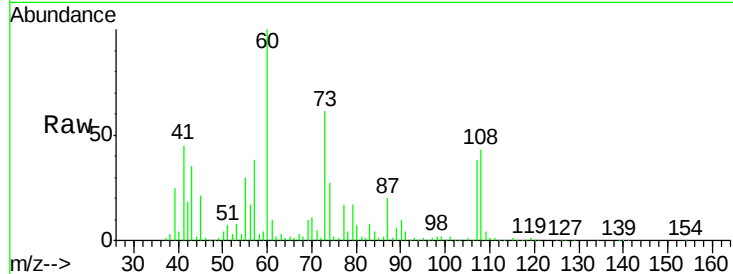
#17
2-Methylphenol
Concen: 260.90 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.08 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Instrument :
BNA_F
ClientSampleId :
KY032MW006-160512

Tot Ion:	107	Resp:	514002
Ion Ratio	Lower	Upper	
107	100		
108	113.0	90.9	136.3
77	44.4	36.6	55.0
79	45.0	36.5	54.7

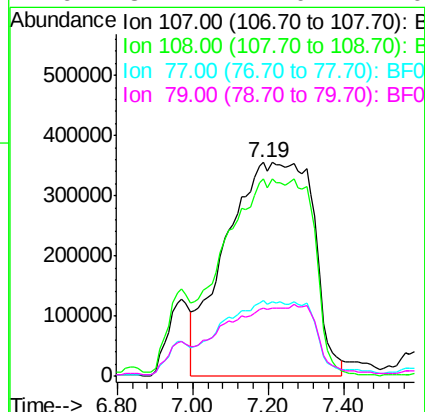
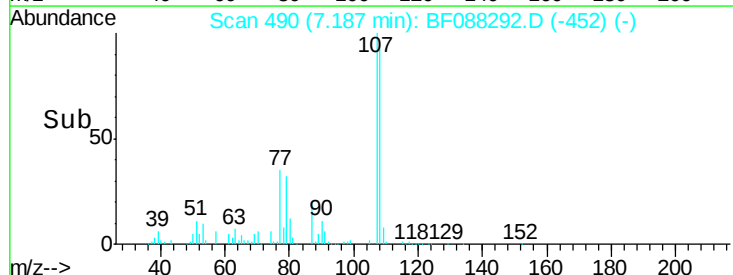
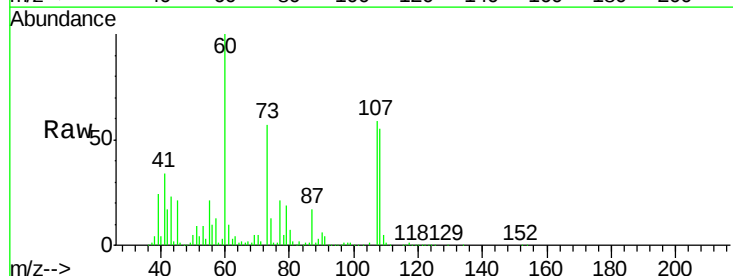
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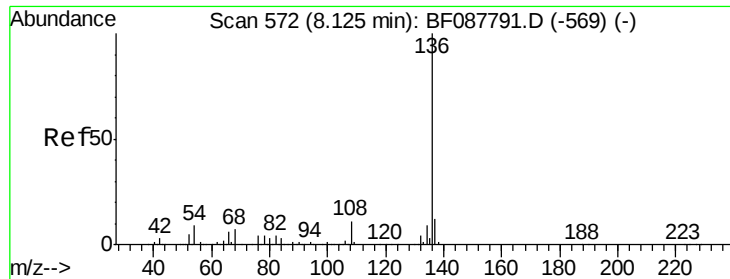
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#20
3+4-Methylphenols
Concen: 2489.90 ng m
RT: 7.19 min Scan# 490
Delta R.T. 0.14 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Tgt Ion:	107	Resp:	5723643
Ion Ratio	Lower	Upper	
107	100		
108	92.4	67.8	107.8
77	35.2	59.3	99.3#
79	32.1	7.0	47.0





#21

Naphthalene-d8

Concen: 5.00 ng/mL

RT: 8.19 min Scan# 578

Delta R.T. 0.30 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Instrument :

BNA_F

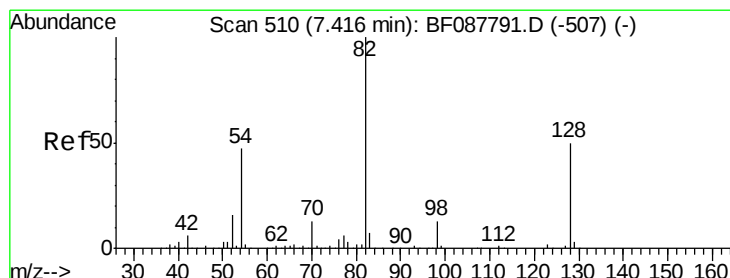
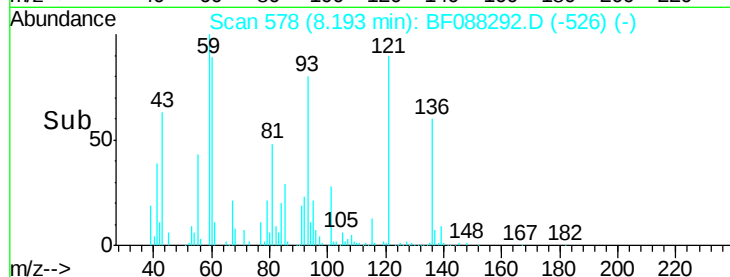
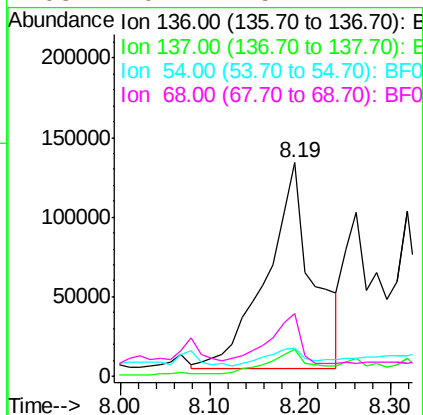
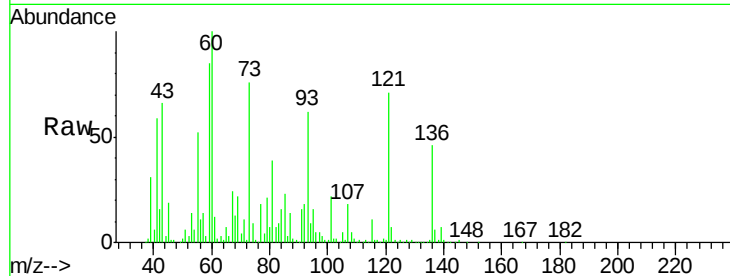
ClientSampleId :

KY032MW006-160512

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	12.3		9.1	13.7	
54	13.3		6.6	10.0	
68	29.1		5.1	7.7	

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#23

Nitrobenzene-d5

Concen: 0.93 ng/mL

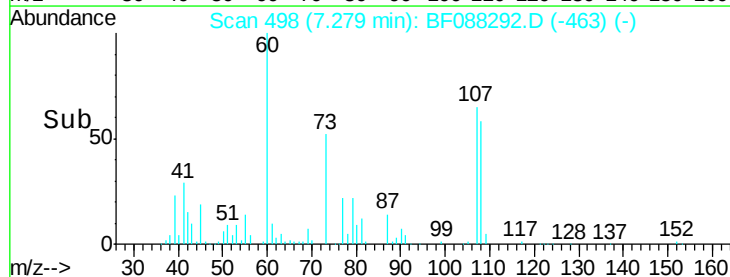
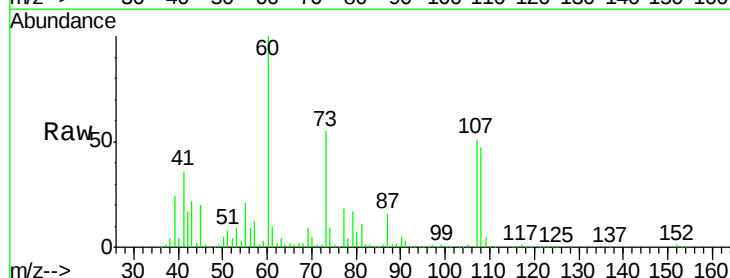
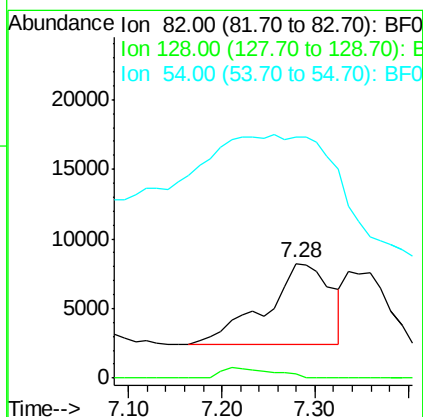
RT: 7.28 min Scan# 498

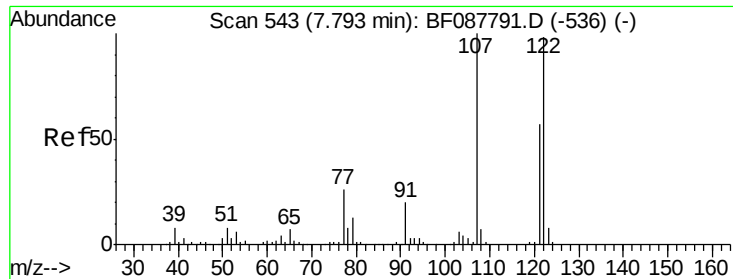
Delta R.T. 0.10 min

Lab File: BF088292.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	3.9		35.9	53.9	
54	209.4		40.9	61.3	





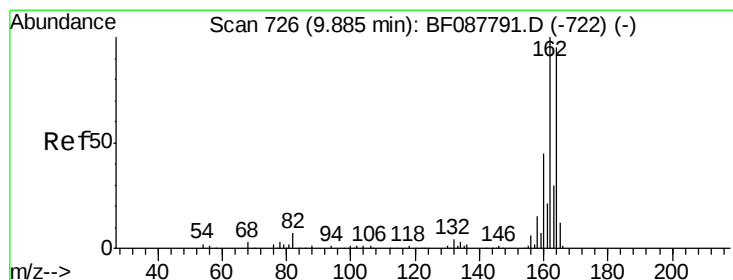
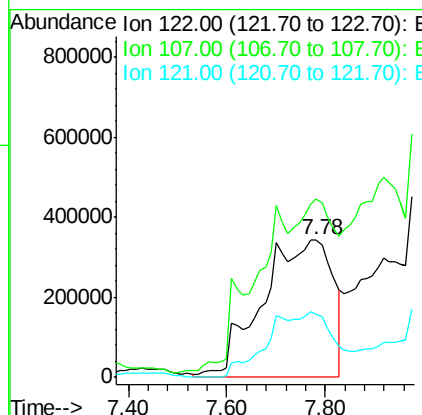
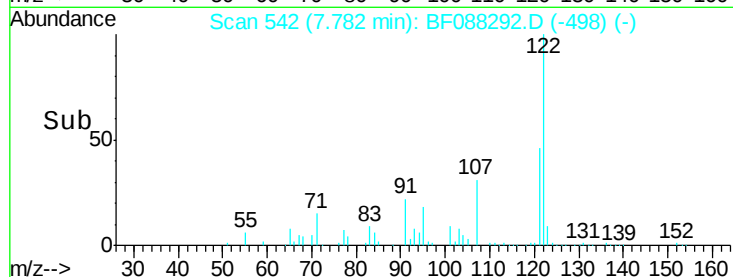
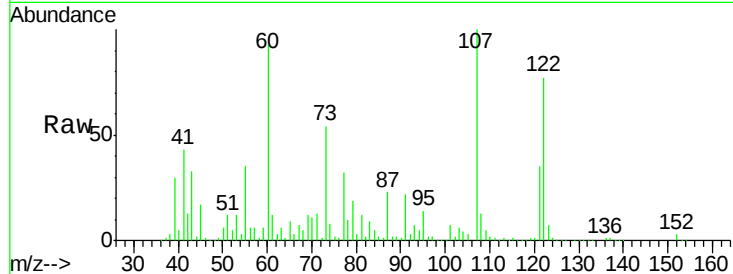
#27
2,4-Dimethylphenol
Concen: 115.04 ng m
RT: 7.78 min Scan# 542
Delta R.T. 0.21 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Instrument :
BNA_F
ClientSampleId :
KY032MW006-160512

Tot Ion:122 Resp: 3415709
Ion Ratio Lower Upper
122 100
107 129.7 82.4 123.6#
121 46.0 46.3 69.5#

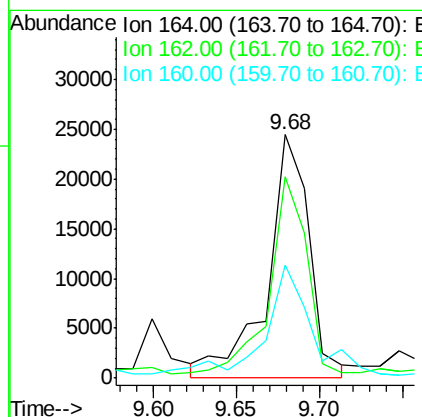
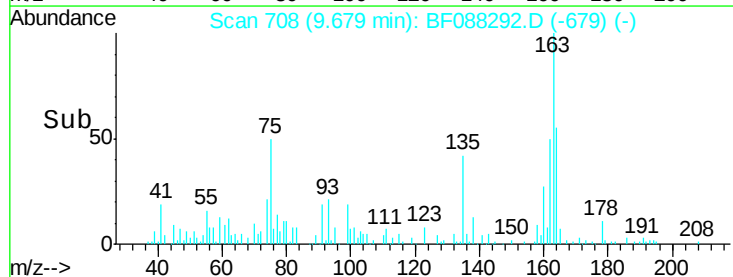
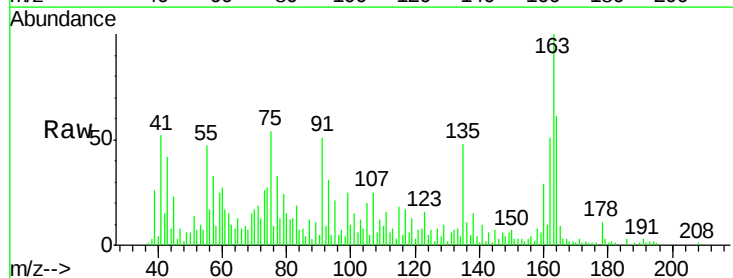
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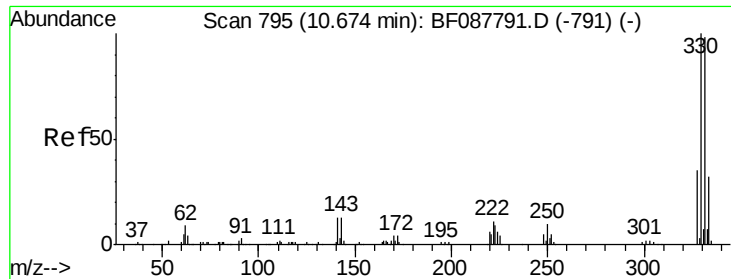
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#38
Acenaphthene-d10
Concen: 5.00 ng m
RT: 9.68 min Scan# 708
Delta R.T. 0.03 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Tgt Ion:164 Resp: 42988
Ion Ratio Lower Upper
164 100
162 82.8 85.4 128.2#
160 46.6 39.5 59.3





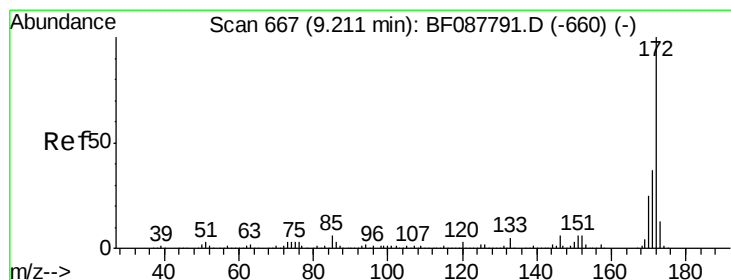
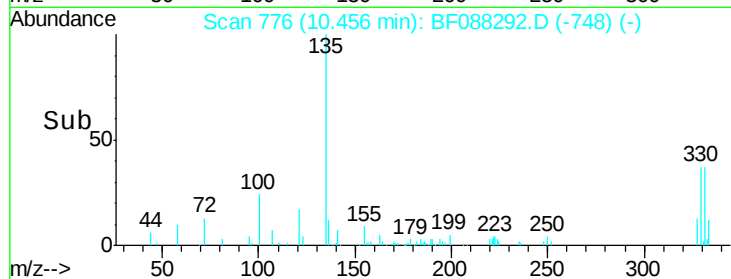
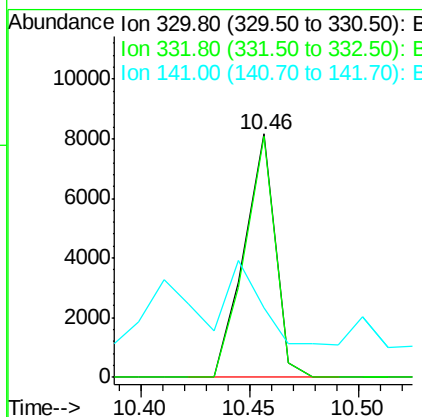
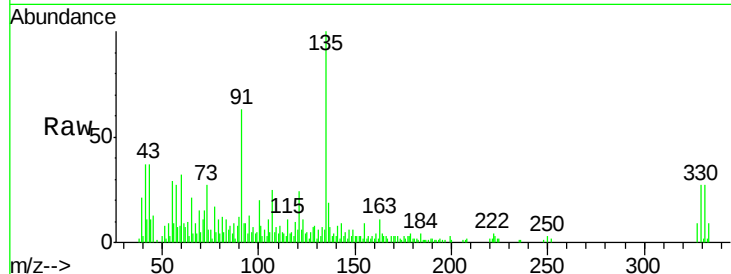
#41
 2,4,6-Tribromophenol
 Concen: 4.47 ng
 RT: 10.46 min Scan# 776
 Delta R.T. 0.02 min
 Lab File: BF088292.D
 Acq: 23 Jun 2016 13:22

Instrument :
 BNA_F
 ClientSampleId :
 KY032MW006-160512

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	98.2	0.0	0.0#
141	41.6	0.0	0.0#

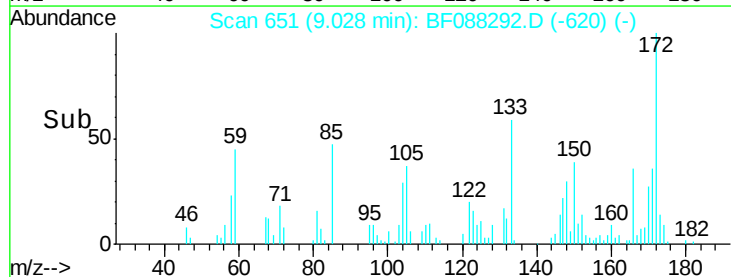
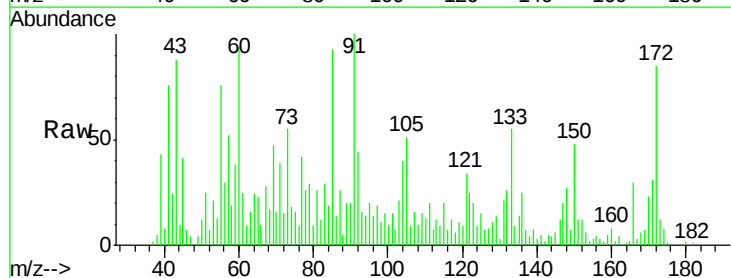
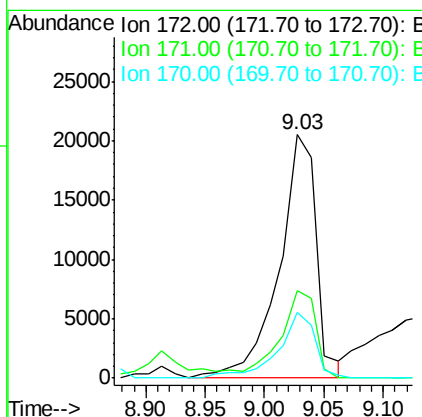
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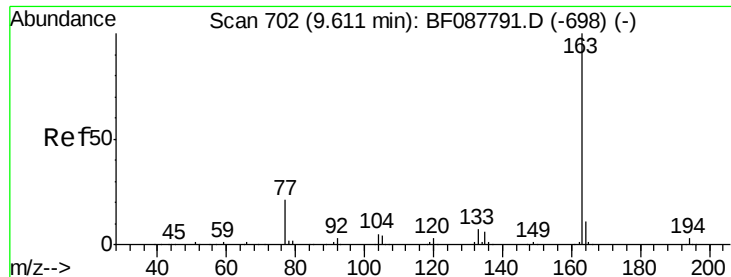
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#44
 2-Fluorobiphenyl
 Concen: 2.86 ng
 RT: 9.03 min Scan# 651
 Delta R.T. 0.06 min
 Lab File: BF088292.D
 Acq: 23 Jun 2016 13:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.1	28.6	43.0
170	26.8	19.2	28.8





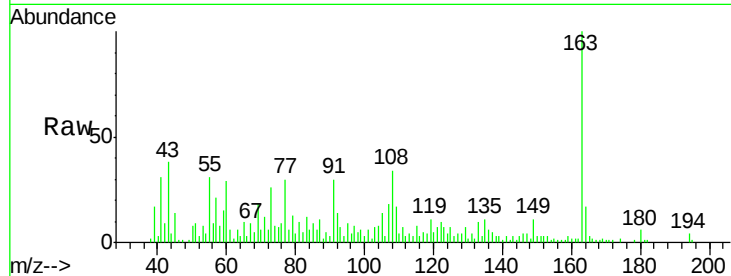
#49
Dimethylphthalate
Concen: 3.96 ng
RT: 9.45 min Scan# 688
Delta R.T. 0.07 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Instrument :
BNA_F
ClientSampleId :
KY032MW006-160512

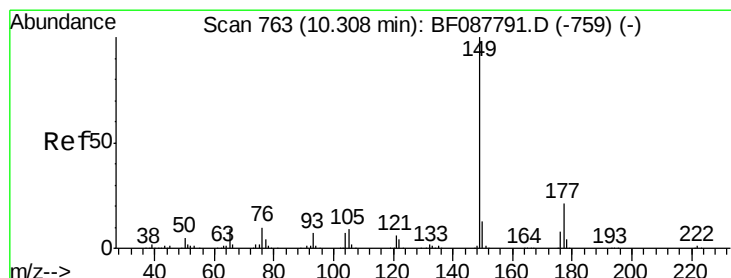
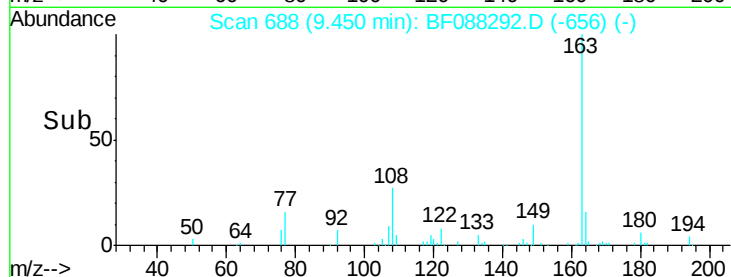
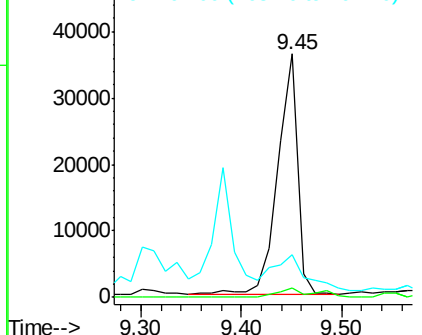
Tot Ion	Ratio	Resp	Lower	Upper
163	100	49386		
194	3.8		2.8	4.2
164	17.5		8.3	12.5

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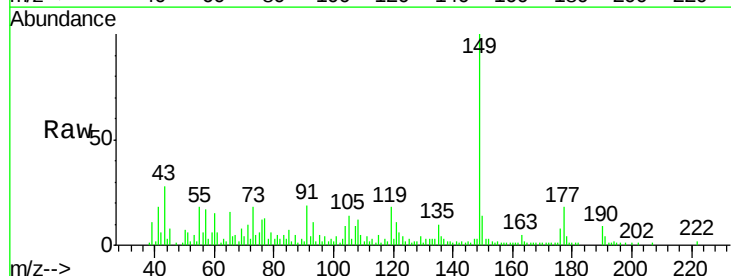


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

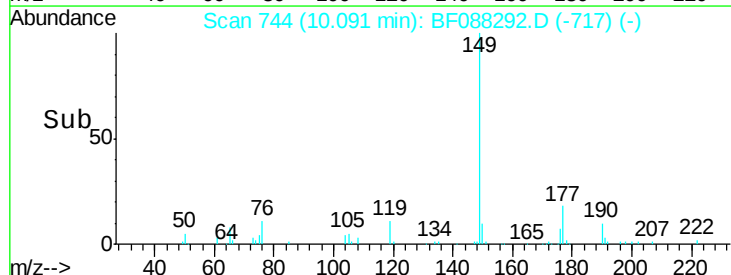
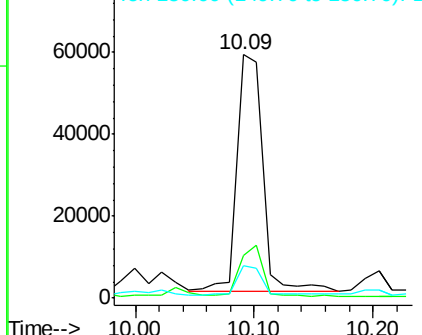


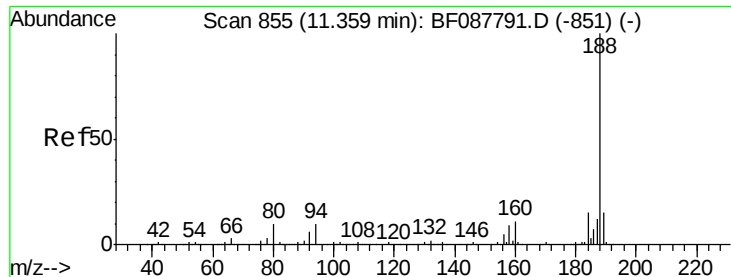
#59
Diethylphthalate
Concen: 6.92 ng
RT: 10.09 min Scan# 744
Delta R.T. 0.01 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	87212		
177	17.6		16.9	25.3
150	13.5		10.1	15.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





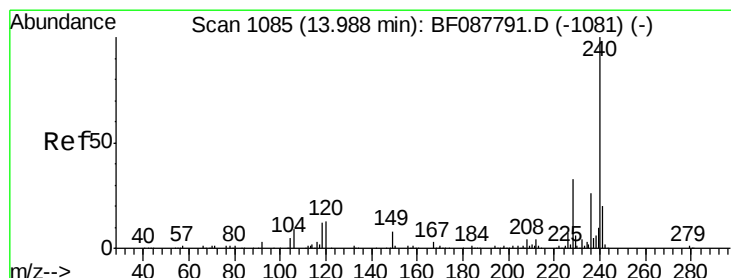
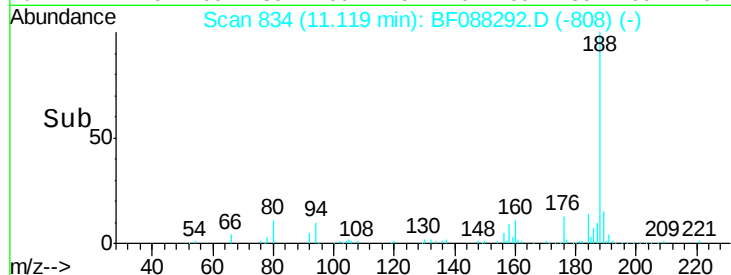
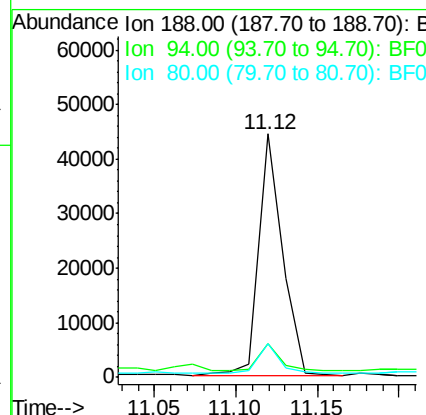
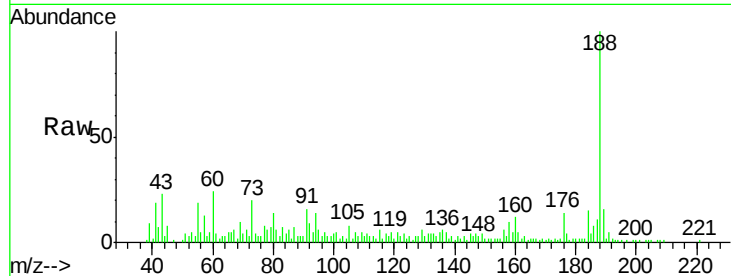
#63
Phenanthrene-d10
Concen: 5.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Instrument :
BNA_F
ClientSampleId :
KY032MW006-160512

Tot Ion	Ratio	Resp	Lower	Upper
188	100	45039		
94	13.9		9.0	13.6#
80	13.6		10.0	15.0

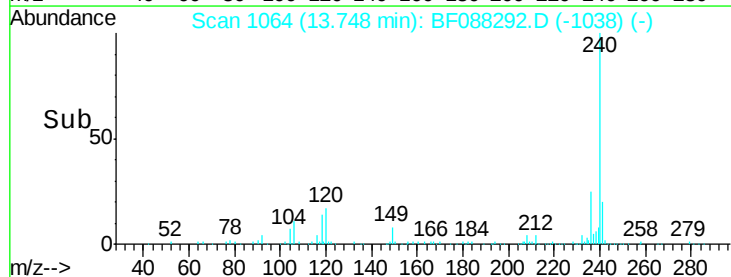
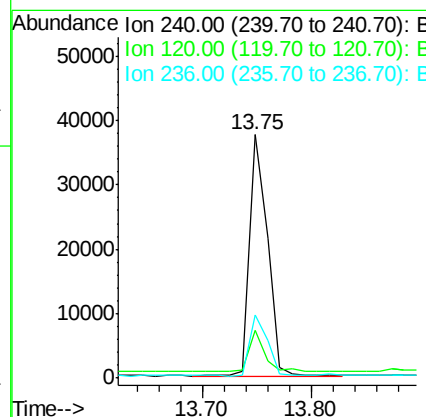
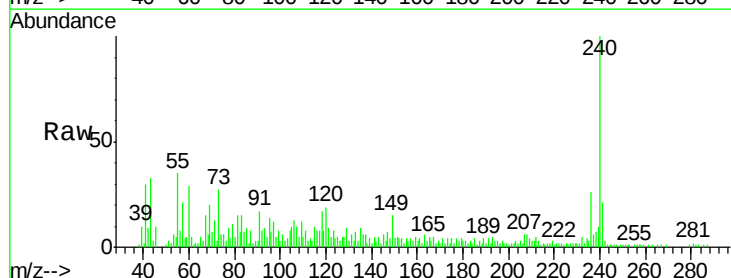
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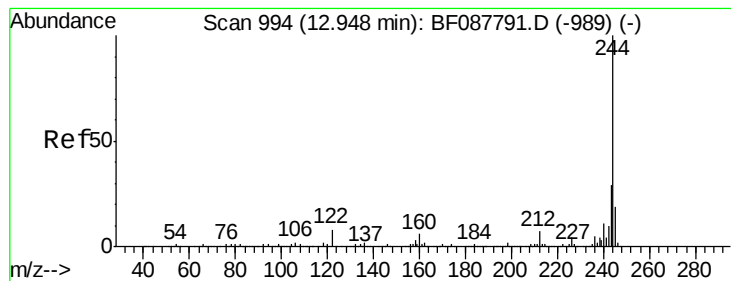
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#75
Chrysene-d12
Concen: 5.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF088292.D
Acq: 23 Jun 2016 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	42381		
120	19.5		6.8	10.2#
236	25.7		20.2	30.2





#78

Terphenyl-d14

Concen: 4.55 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Instrument :

BNA_F

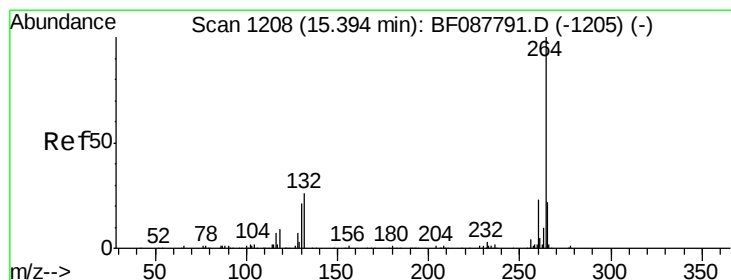
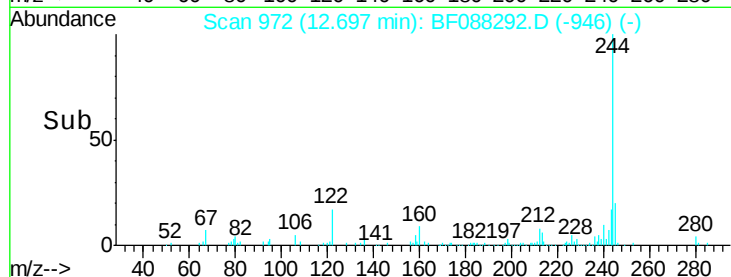
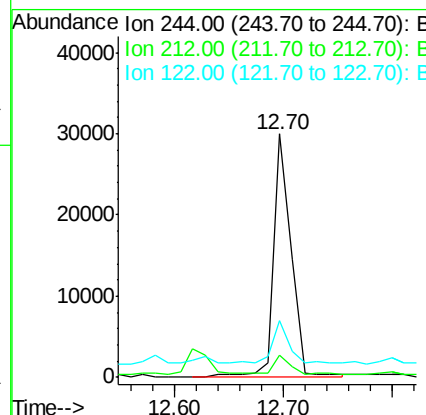
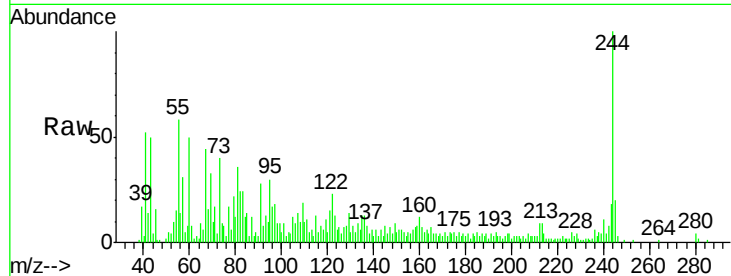
ClientSampleId :

KY032MW006-160512

Tot Ion:	244	Resp:	33922
Ion Ratio	Lower	Upper	
244	100		
212	9.1	6.0	9.0#
122	23.3	11.2	16.8#

Manual Integrations
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#86

Perylene-d12

Concen: 5.00 ng

RT: 15.12 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF088292.D

Acq: 23 Jun 2016 13:22

Tgt Ion:	264	Resp:	34156
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	22.5	16.9	25.3

