

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
 Data File : BF087736.D
 Acq On : 6 Jun 2016 5:21
 Operator : UM/SJ
 Sample : H3391-01
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216

Manual Integrations
 APPROVED

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 6/6/2016 7:25:28 PM

Quant Time: Jun 06 12:21:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	113542	20.00	ng	0.01
21) Naphthalene-d8	8.15	136	459983	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	210781	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	374689	20.00	ng	0.00
75) Chrysene-d12	14.01	240	237785	20.00	ng	-0.01
86) Perylene-d12	15.44	264	217422	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	283511	40.36	ng	0.03
7) Phenol-d6	6.57	99	85602	9.72	ng	0.08
23) Nitrobenzene-d5	7.43	82	632649	79.57	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	175354	82.88	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1274229	97.43	ng	0.00
78) Terphenyl-d14	12.97	244	820103	84.16	ng	0.00
Target Compounds						
6) Aniline	6.60	93	9595220	768.39	ng	# 88
8) 2-Chlorophenol	6.68	128	92122	11.40	ng	# 79
12) 1,3-Dichlorobenzene	6.81	146	137761	15.92	ng	97
13) 1,4-Dichlorobenzene	6.90	146	1442598	166.11	ng	96
14) 1,2-Dichlorobenzene	7.05	146	1278559	157.05	ng	# 92
20) 3+4-Methylphenols	7.27	107	154591	19.44	ng	# 37
31) Naphthalene	8.17	128	227883	10.19	ng	98
33) 4-Chloroaniline	8.23	127	147691	15.20	ng	96
37) 2-Methylnaphthalene	8.82	142	64365m	4.36	ng	
43) 2,4,5-Trichlorophenol	9.34	196	15375	3.77	ng	# 77
49) Dimethylphthalate	9.62	163	94024	6.14	ng	98

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

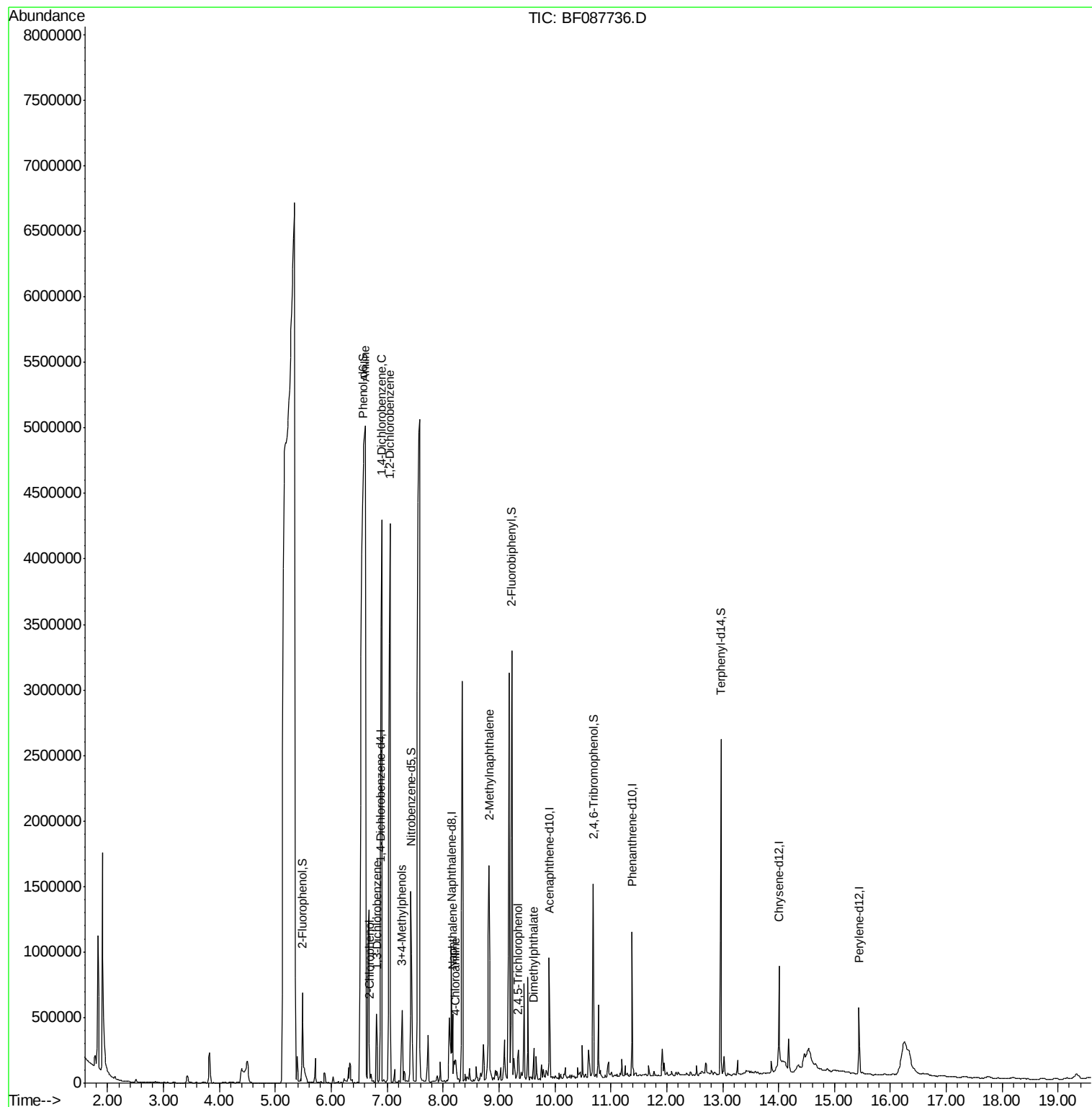
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087736.D
Acq On : 6 Jun 2016 5:21
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Sample : H3391-01
Misc :
ALS Vial : 72 Sample Multiplier: 1

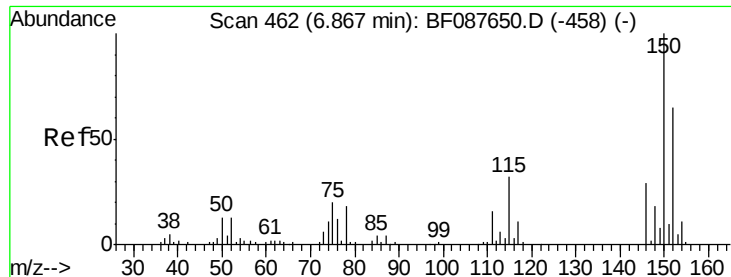
Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216

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Quant Time: Jun 06 12:21:18 2016
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#1

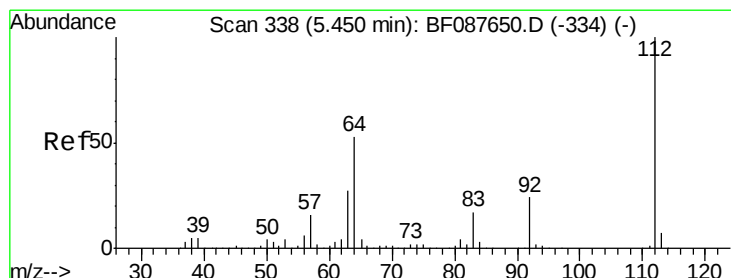
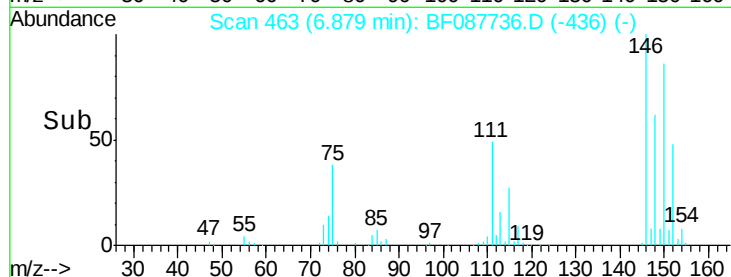
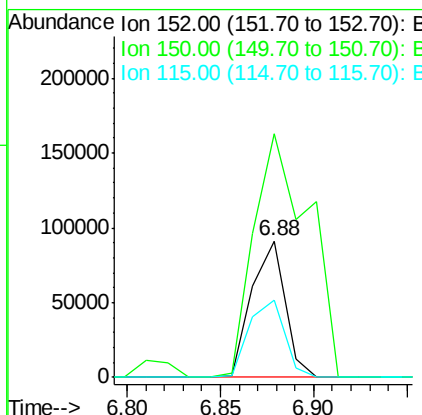
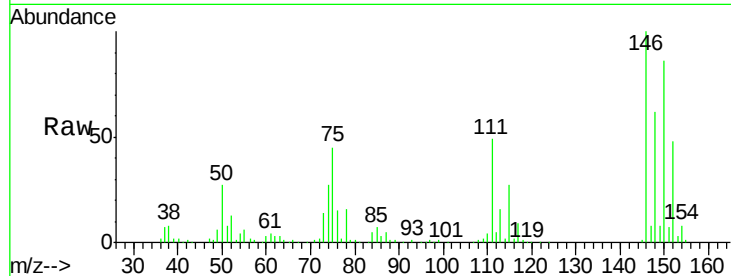
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216

Tot Ion	Ratio	Lower	Upper
152	100		
150	178.3	123.8	185.6
115	57.0	39.6	59.4

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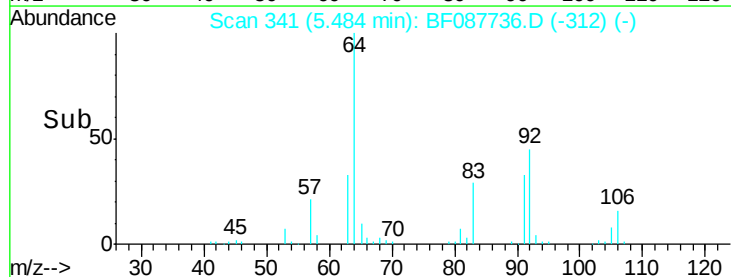
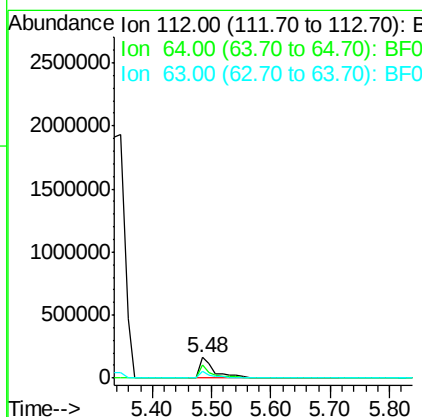
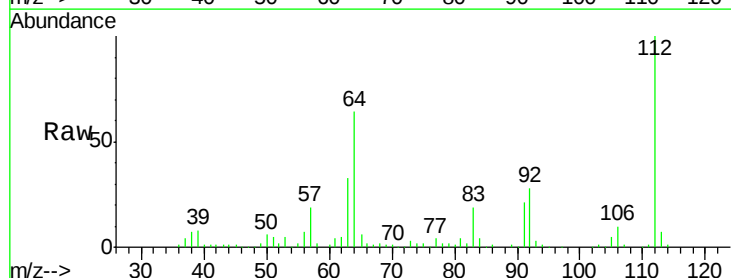
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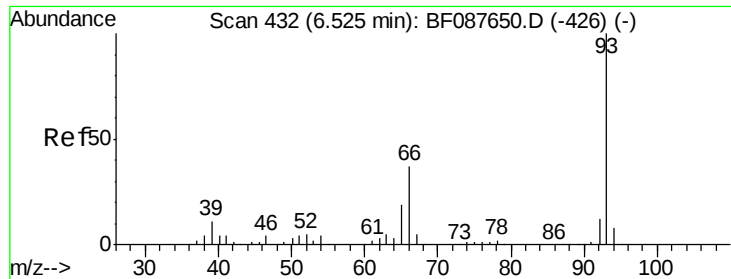


#5

2-Fluorophenol
Concen: 40.36 ng
RT: 5.48 min Scan# 341
Delta R.T. 0.03 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	42.2	63.2#
63	33.1	21.8	32.8#





#6

Aniline

Concen: 768.39 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.08 min

Lab File: BF087736.D

Acq: 6 Jun 2016 5:21

Instrument :

BNA_F

ClientSampleId :

SYSDIS-060216

Tot Ion: 93 Resp: 9595220

Ion Ratio Lower Upper

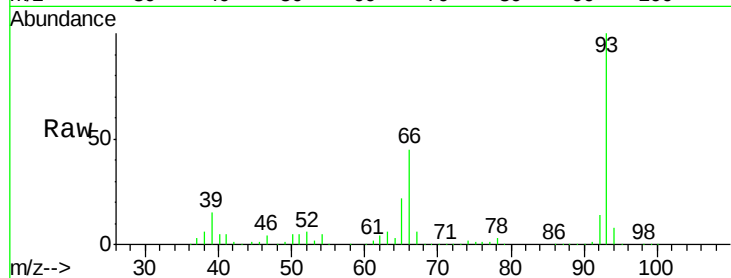
93 100

66 45.4 29.8 44.8#

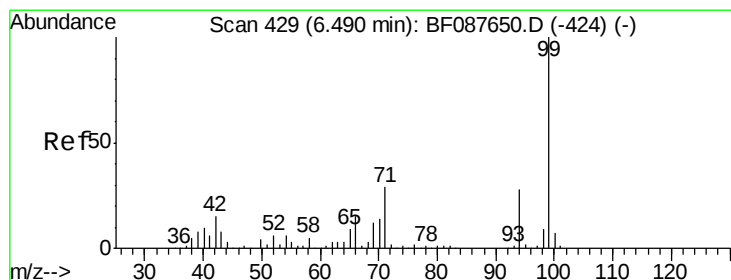
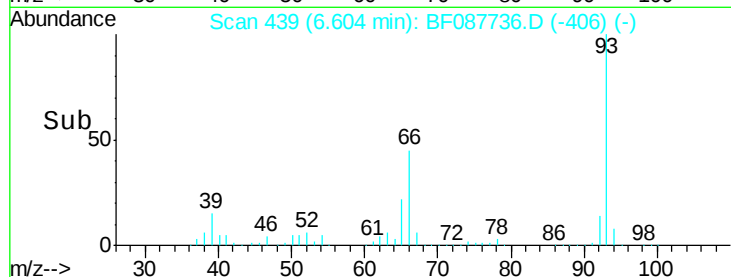
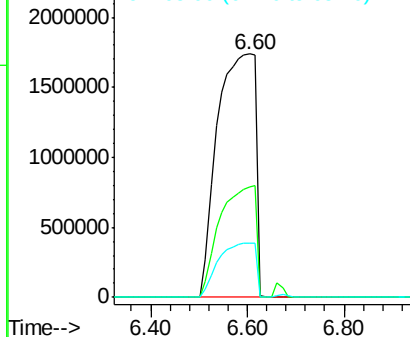
65 22.4 14.9 22.3#

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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: 9.72 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.08 min

Lab File: BF087736.D

Acq: 6 Jun 2016 5:21

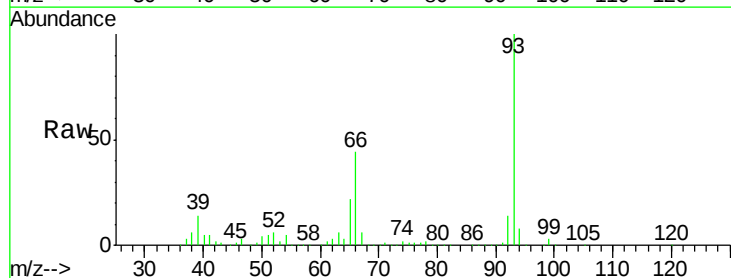
Tgt Ion: 99 Resp: 85602

Ion Ratio Lower Upper

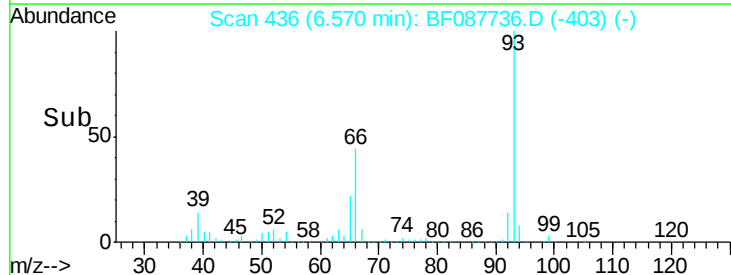
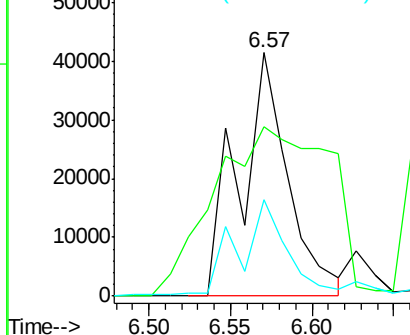
99 100

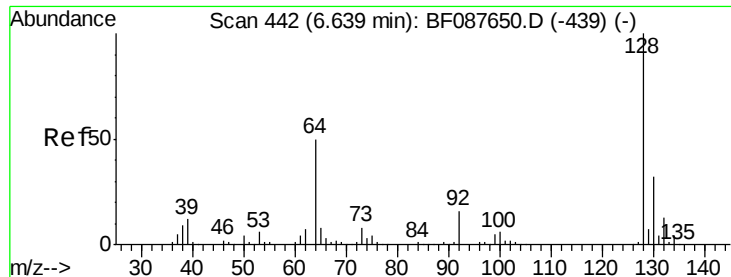
42 69.4 12.2 18.2#

71 39.7 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





#8

2-Chlorophenol

Concen: 11.40 ng

RT: 6.68 min Scan# 446

Delta R.T. 0.05 min

Lab File: BF087736.D

Acq: 6 Jun 2016 5:21

Instrument :

BNA_F

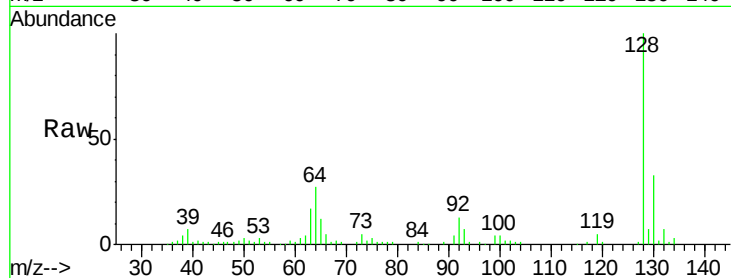
ClientSampleId :

SYSDIS-060216

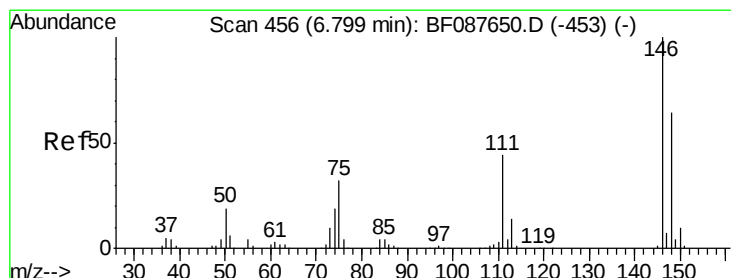
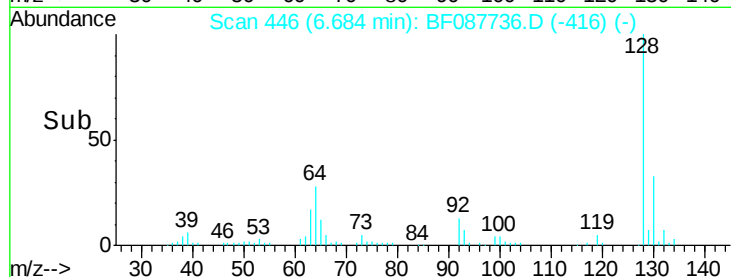
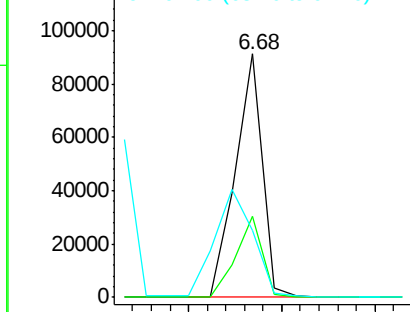
Tot Ion:	128	Resp:	92122
Ion Ratio	Lower	Upper	
128	100		
130	33.2	12.0	52.0
64	27.4	30.8	70.8#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0



#12

1,3-Dichlorobenzene

Concen: 15.92 ng

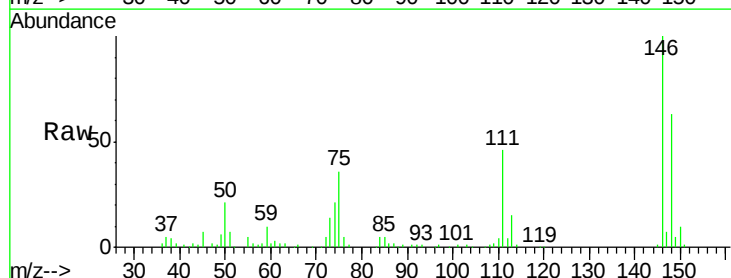
RT: 6.81 min Scan# 457

Delta R.T. 0.01 min

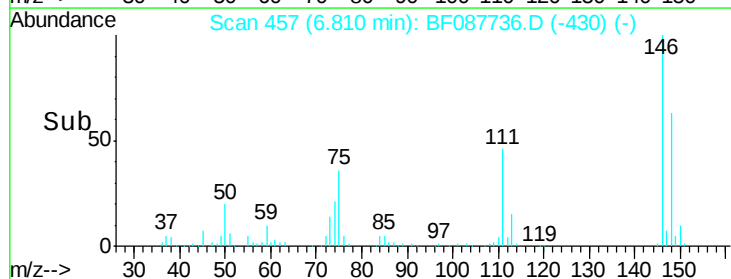
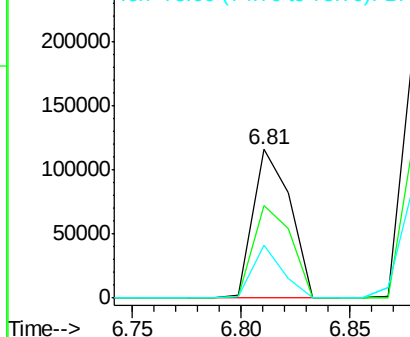
Lab File: BF087736.D

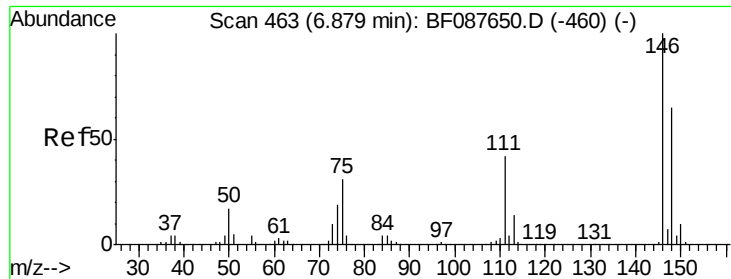
Acq: 6 Jun 2016 5:21

Tgt Ion:	146	Resp:	137761
Ion Ratio	Lower	Upper	
146	100		
148	62.5	50.9	76.3
75	35.7	25.6	38.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0





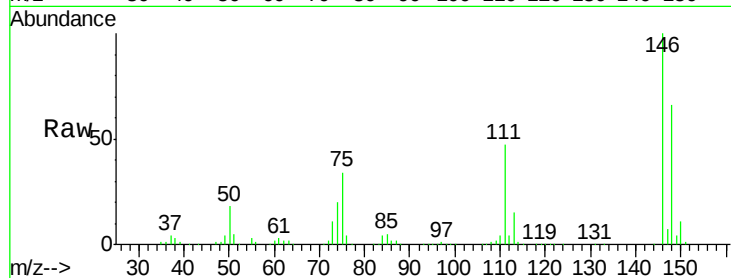
#13
 1,4-Dichlorobenzene
 Concen: 166.11 ng
 RT: 6.90 min Scan# 465
 Delta R.T. 0.02 min
 Lab File: BF087736.D
 Acq: 6 Jun 2016 5:21

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216

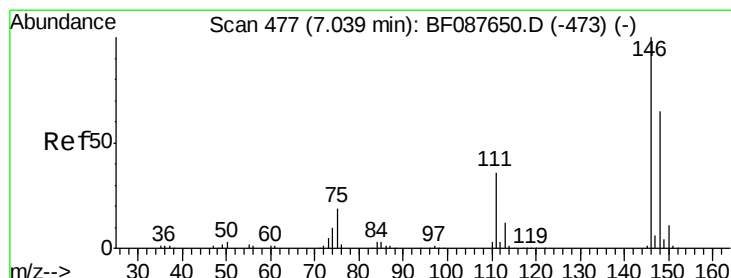
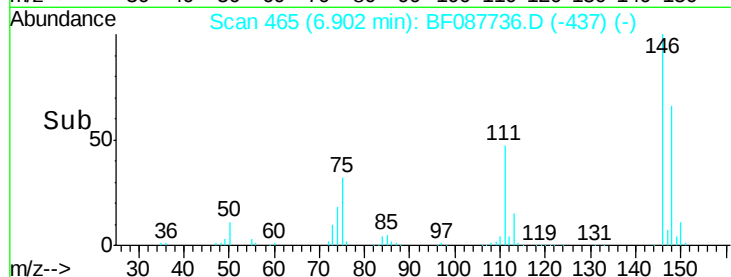
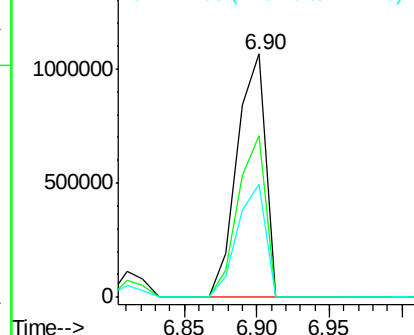
Tot Ion:146 Resp: 1442598
 Ion Ratio Lower Upper
 146 100
 148 66.2 52.0 78.0
 111 46.5 33.8 50.8

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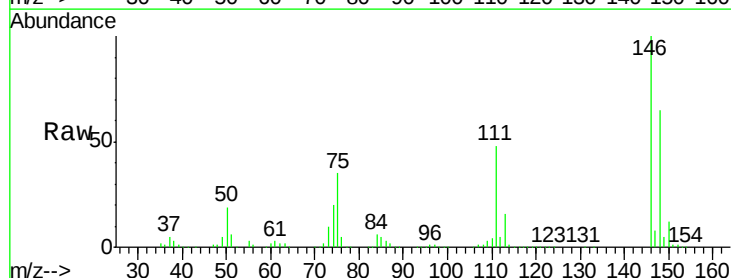


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

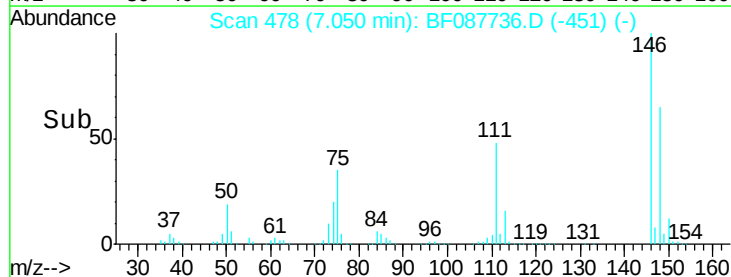
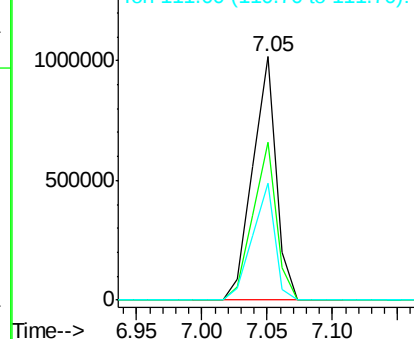


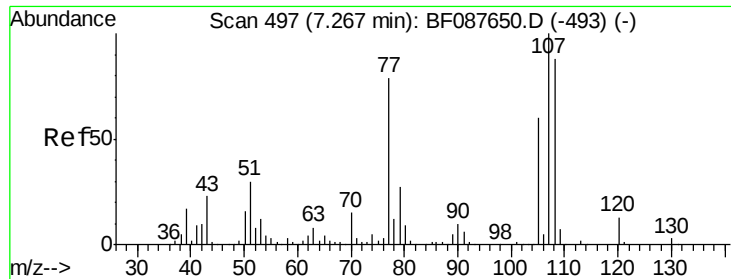
#14
 1,2-Dichlorobenzene
 Concen: 157.05 ng
 RT: 7.05 min Scan# 478
 Delta R.T. 0.01 min
 Lab File: BF087736.D
 Acq: 6 Jun 2016 5:21

Tgt Ion:146 Resp: 1278559
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.3 78.5
 111 48.2 28.7 43.1#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





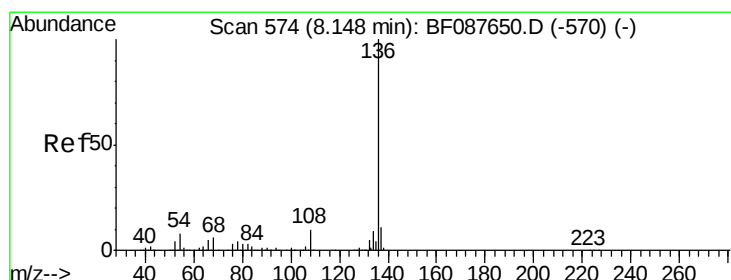
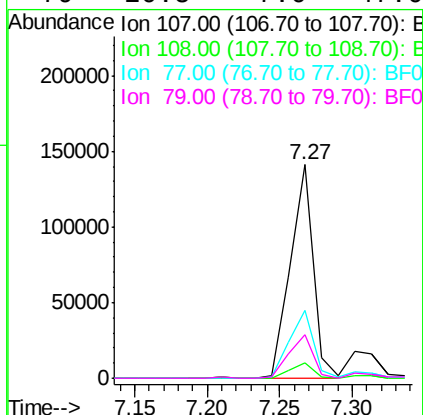
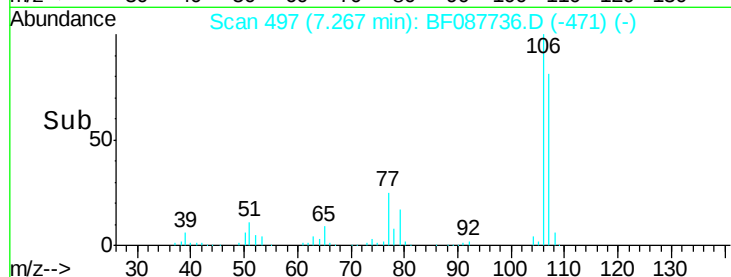
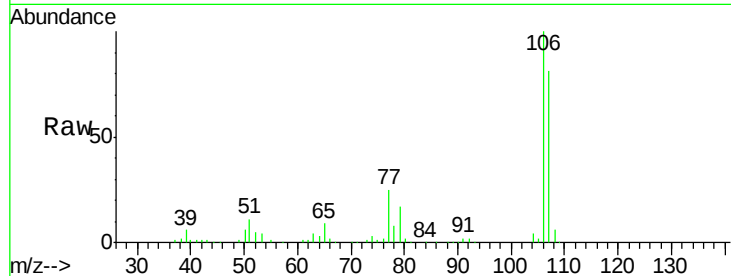
#20
3+4-Methylphenols
Concen: 19.44 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.00 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	154591		
108	108	7.5	67.8	107.8#	
77	77	31.6	59.3	99.3#	
79	79	20.5	7.0	47.0	

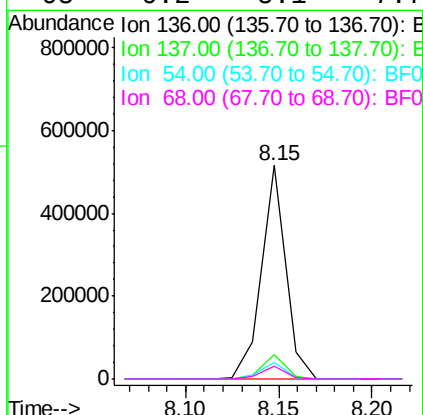
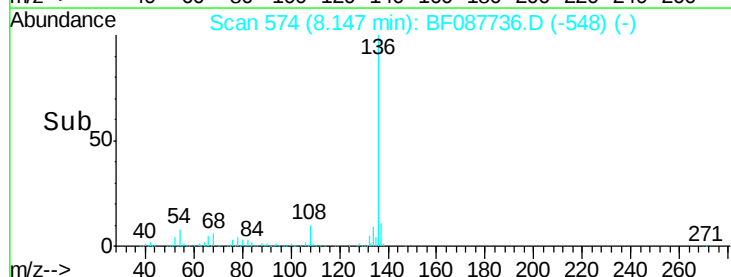
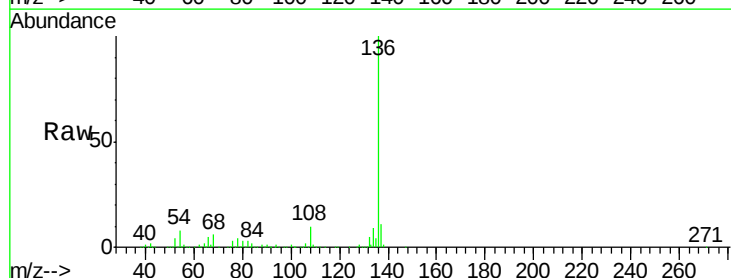
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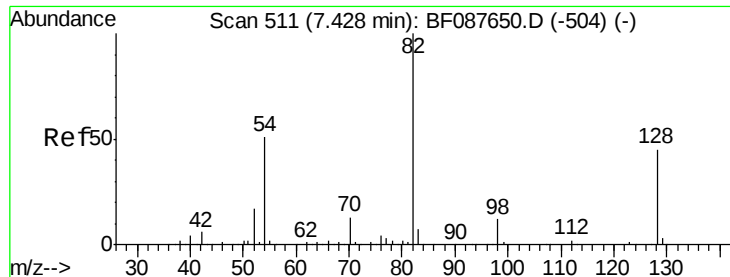
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	459983		
137	137	11.3	9.1	13.7	
54	54	7.8	6.6	10.0	
68	68	6.2	5.1	7.7	





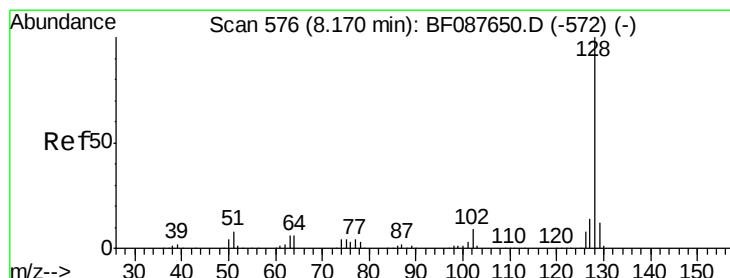
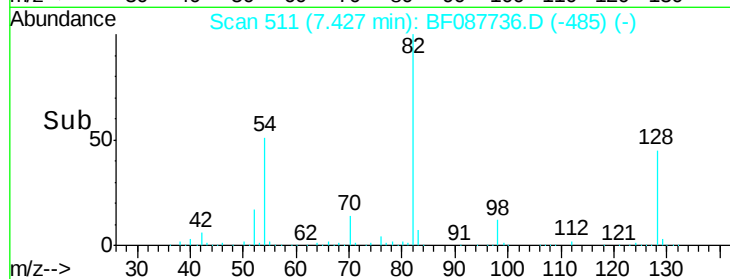
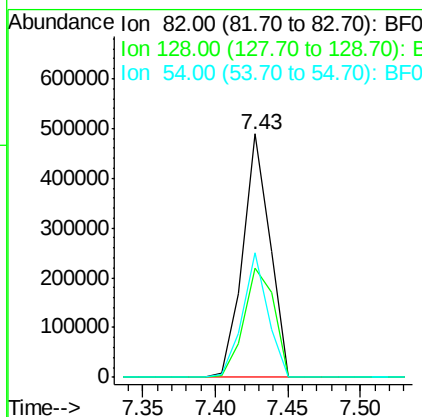
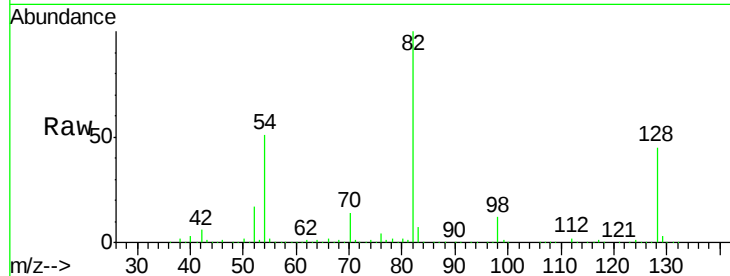
#23
Nitrobenzene-d5
Concen: 79.57 ng
RT: 7.43 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.9	53.9
54	51.0	40.9	61.3

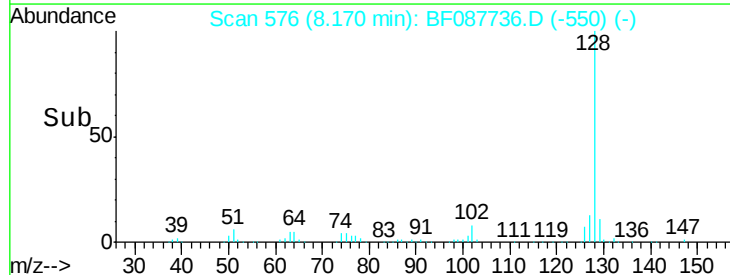
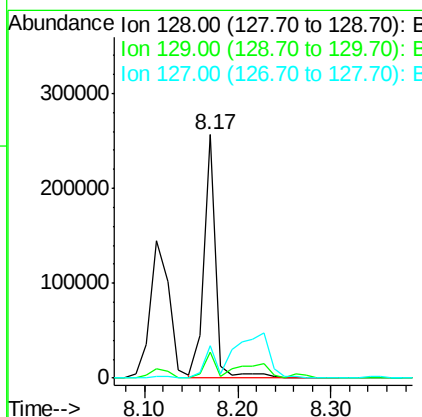
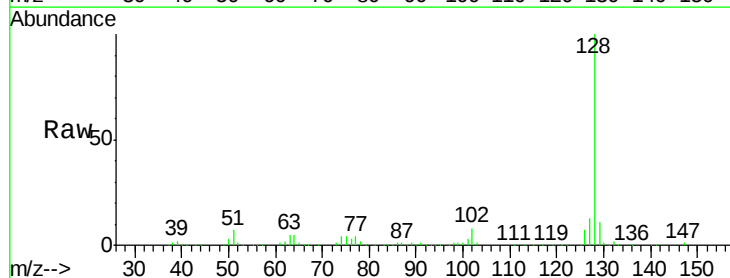
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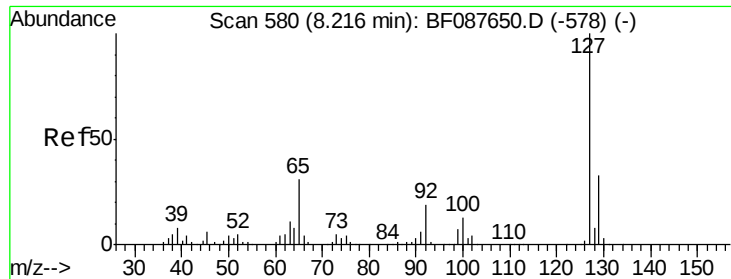
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#31
Naphthalene
Concen: 10.19 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.4	14.2
127	13.2	10.9	16.3





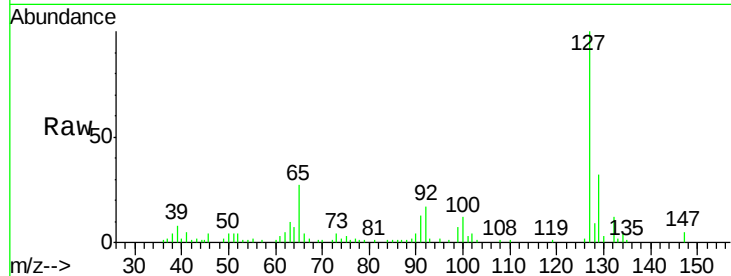
#33
 4-Chloroaniline
 Concen: 15.20 ng
 RT: 8.23 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF087736.D
 Acq: 6 Jun 2016 5:21

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216

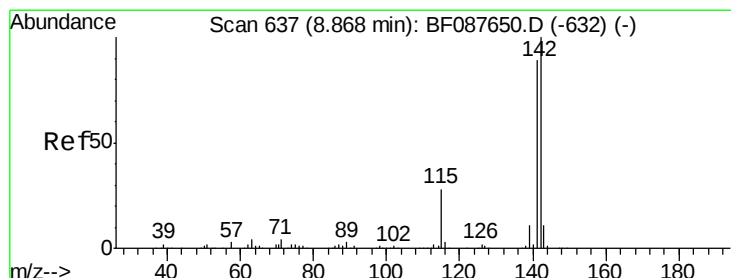
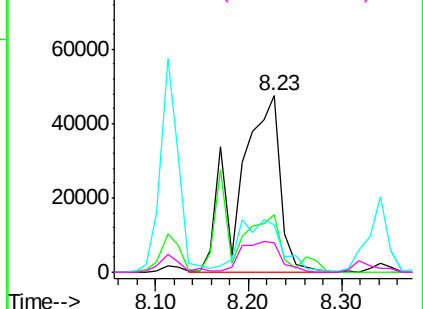
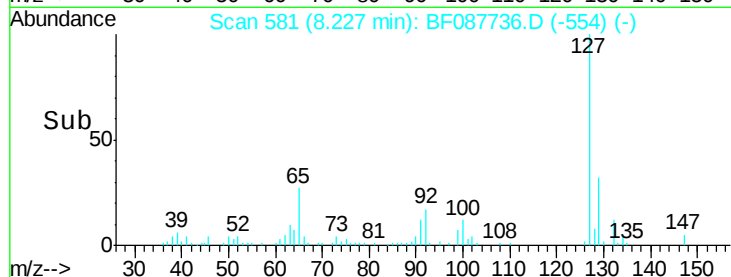
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		147691		
129	32.3	26.3	39.5		
65	27.1	24.7	37.1		
92	16.9	15.4	23.0		

Manual Integrations
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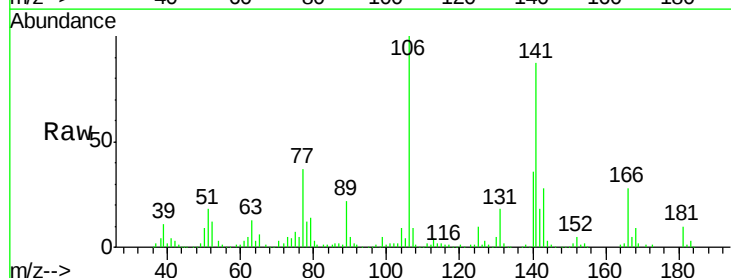


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

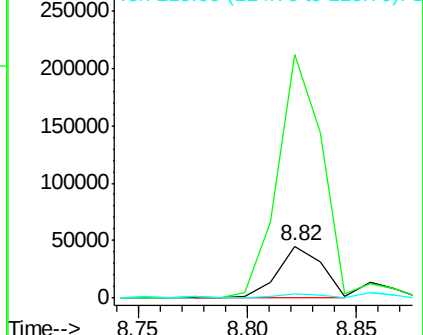
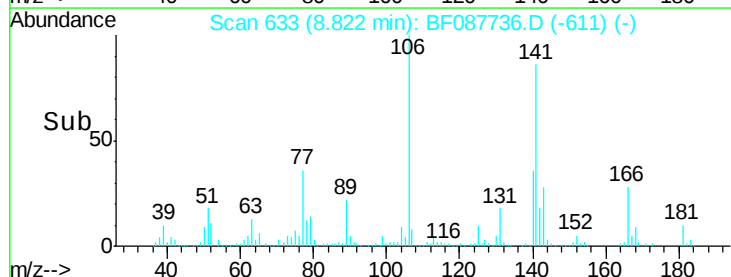


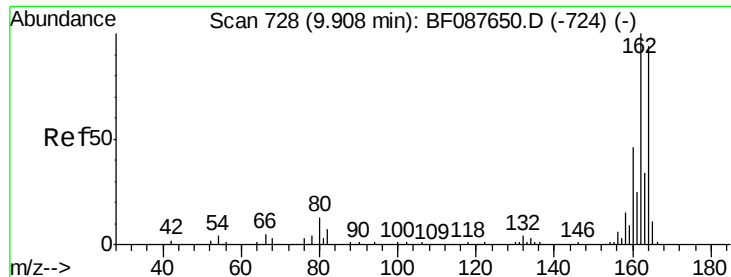
#37
 2-Methylnaphthalene
 Concen: 4.36 ng m
 RT: 8.82 min Scan# 633
 Delta R.T. -0.05 min
 Lab File: BF087736.D
 Acq: 6 Jun 2016 5:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
142	100		64365		
141	470.1	71.0	106.6#		
115	8.7	22.6	33.8#		



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: 9.90 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF087736.D

Acq: 6 Jun 2016 5:21

Instrument :

BNA_F

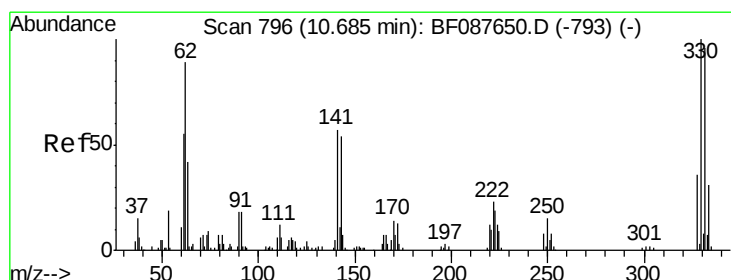
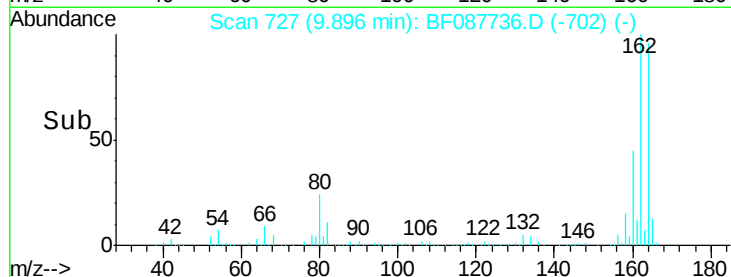
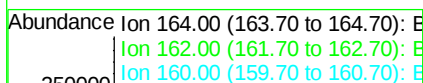
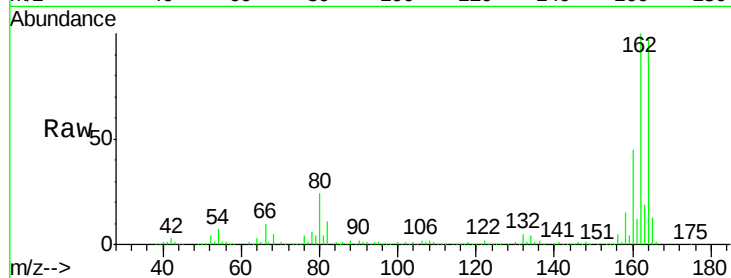
ClientSampleId :

SYSDIS-060216

Tot Ion:	164	Resp:	210781
Ion Ratio	Lower	Upper	
164	100		
162	103.4	85.4	128.2
160	46.8	39.5	59.3

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#41

2,4,6-Tribromophenol

Concen: 82.88 ng

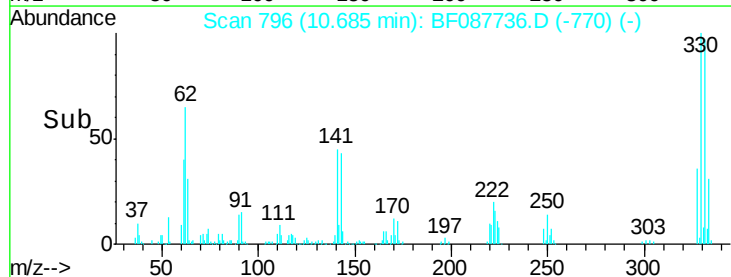
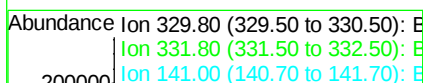
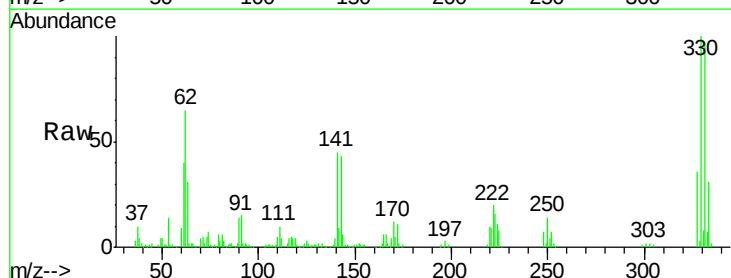
RT: 10.68 min Scan# 796

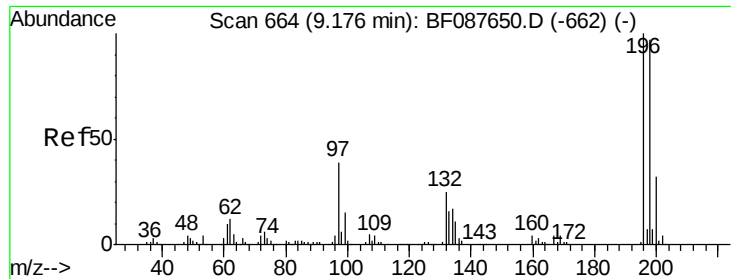
Delta R.T. -0.00 min

Lab File: BF087736.D

Acq: 6 Jun 2016 5:21

Tgt Ion:	330	Resp:	175354
Ion Ratio	Lower	Upper	
330	100		
332	96.8	0.0	0.0#
141	38.4	0.0	0.0#





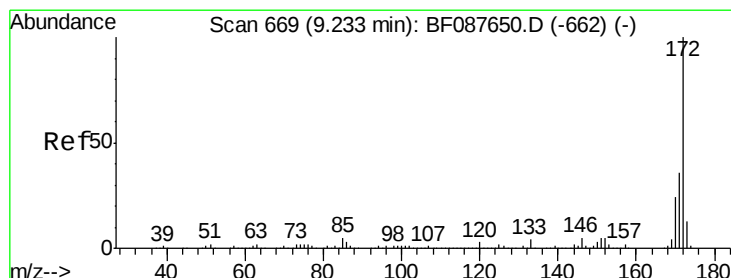
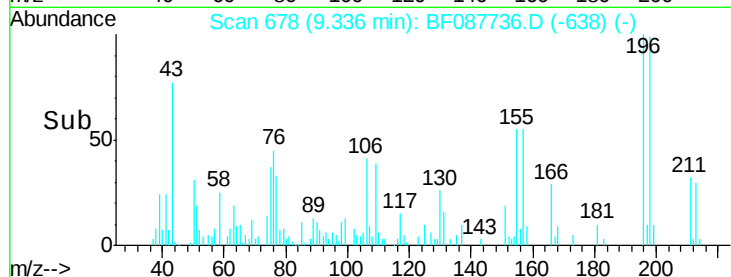
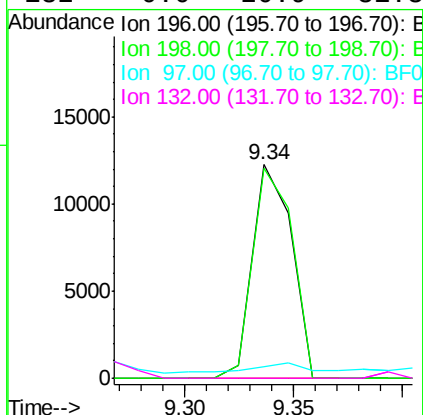
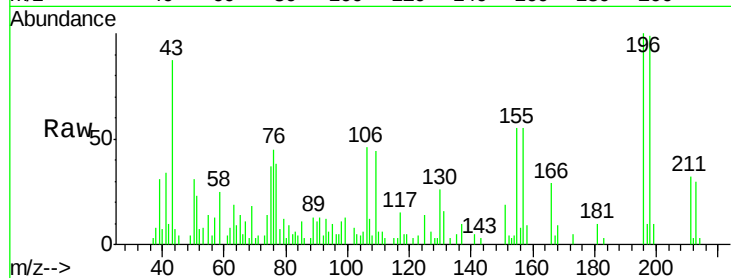
#43
 2,4,5-Trichlorophenol
 Concen: 3.77 ng
 RT: 9.34 min Scan# 678
 Delta R.T. 0.16 min
 Lab File: BF087736.D
 Acq: 6 Jun 2016 5:21

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-060216

Tot Ion:	196	Resp:	15375
Ion Ratio	Lower	Upper	
196	100		
198	98.6	77.5	116.3
97	5.3	32.0	48.0#
132	0.0	20.9	31.3#

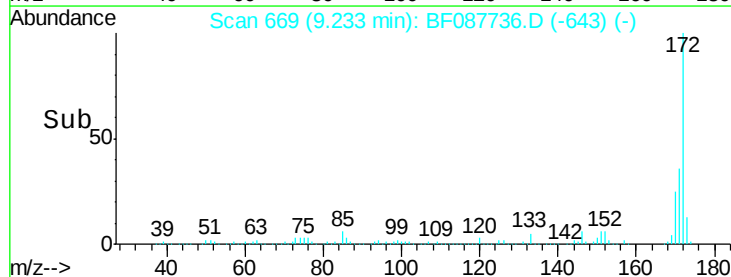
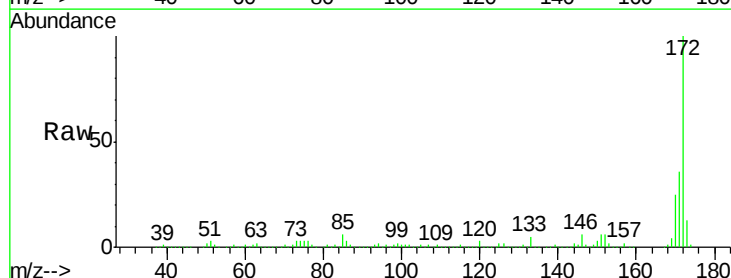
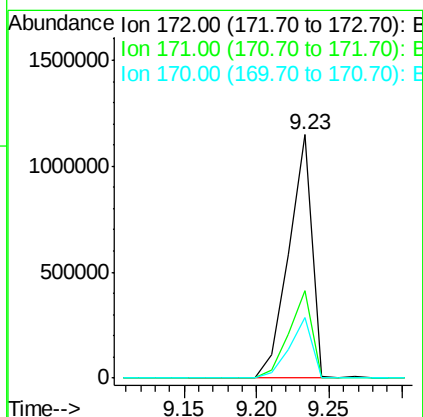
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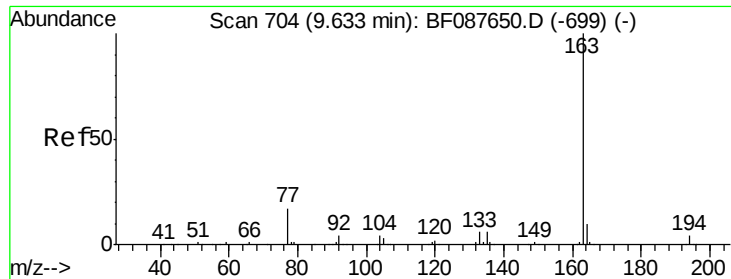
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#44
 2-Fluorobiphenyl
 Concen: 97.43 ng
 RT: 9.23 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF087736.D
 Acq: 6 Jun 2016 5:21

Tgt Ion:	172	Resp:	1274229
Ion Ratio	Lower	Upper	
172	100		
171	36.2	28.6	43.0
170	24.7	19.2	28.8





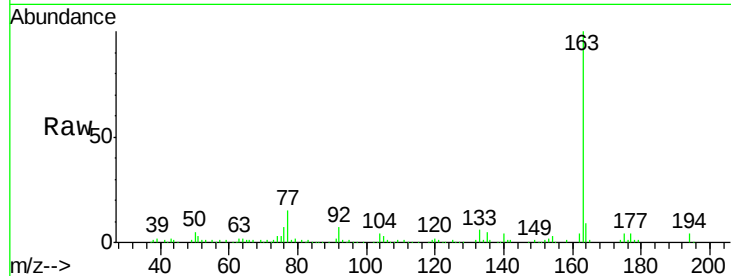
#49
Dimethylphthalate
Concen: 6.14 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216

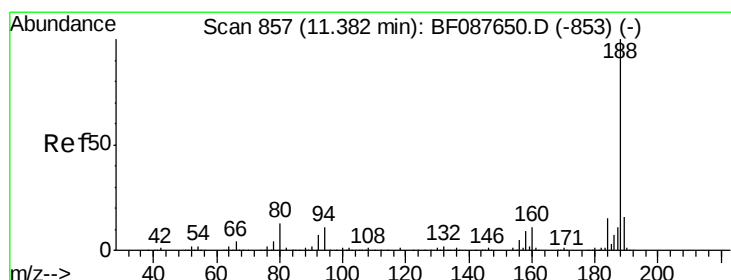
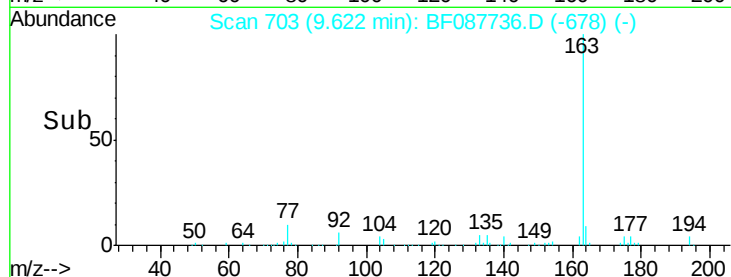
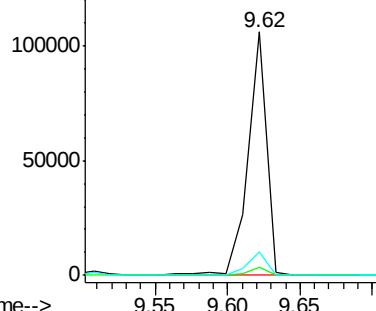
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.4	8.3	12.5

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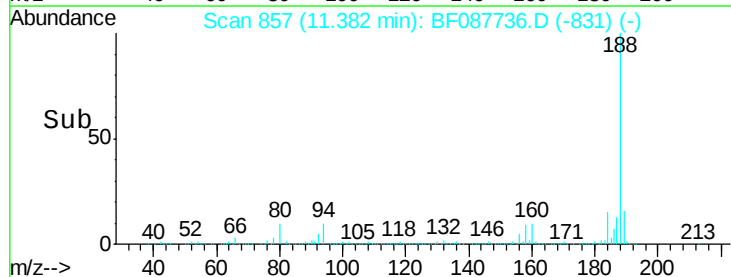
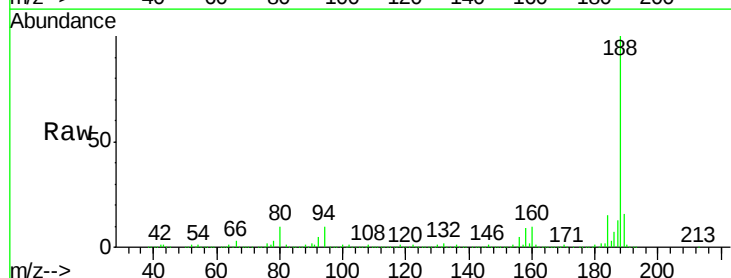
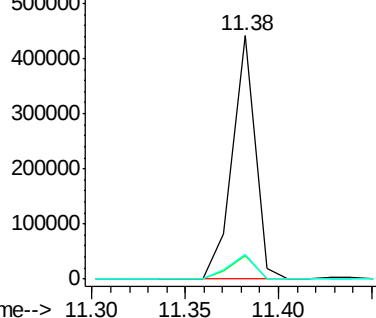
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

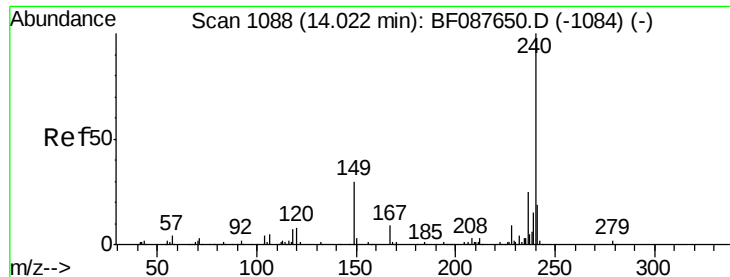


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.6
80	9.9	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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF087736.D

Acq: 6 Jun 2016 5:21

Instrument :

BNA_F

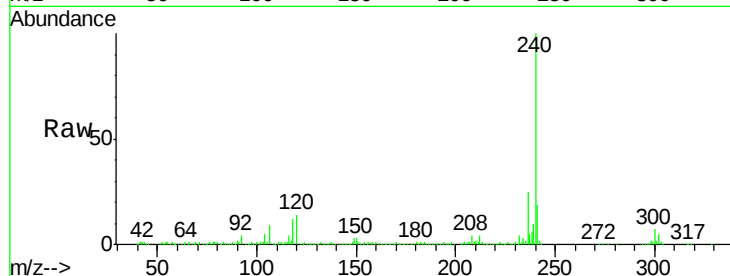
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
240	100	237785		
120	14.1	6.8	10.2#	
236	25.4	20.2	30.2	

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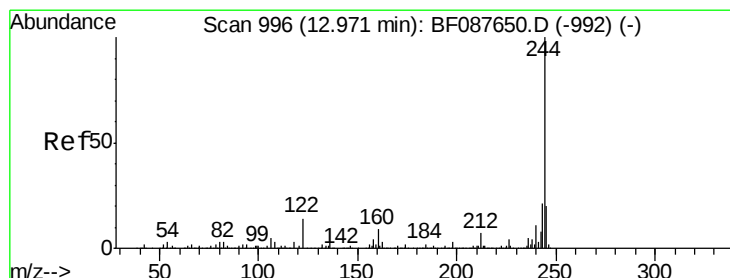
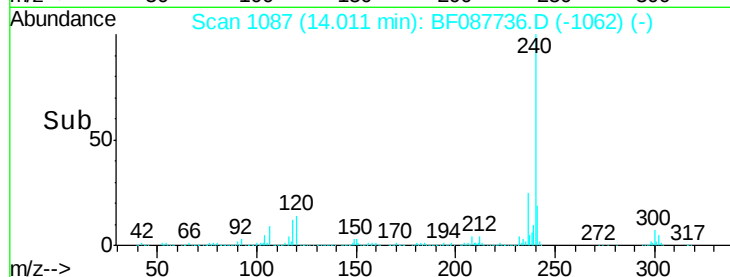
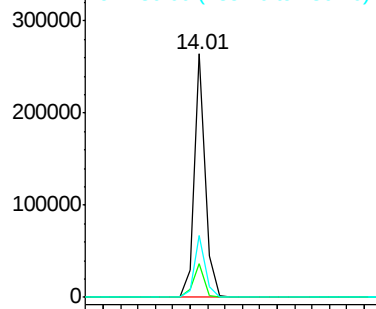
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 84.16 ng

RT: 12.97 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF087736.D

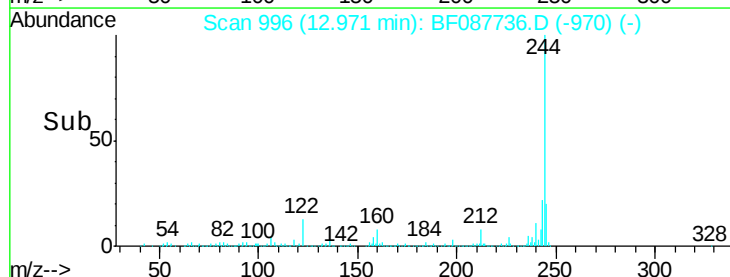
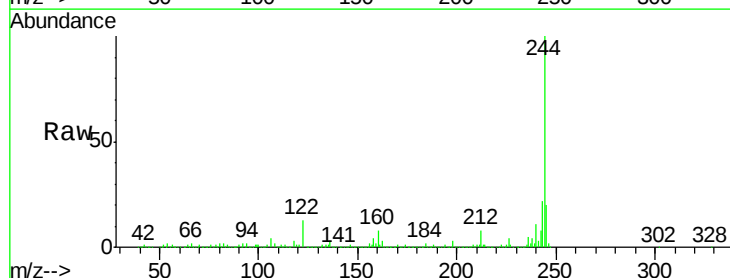
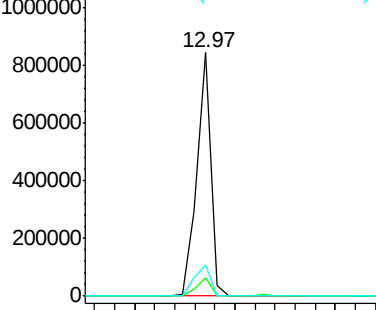
Acq: 6 Jun 2016 5:21

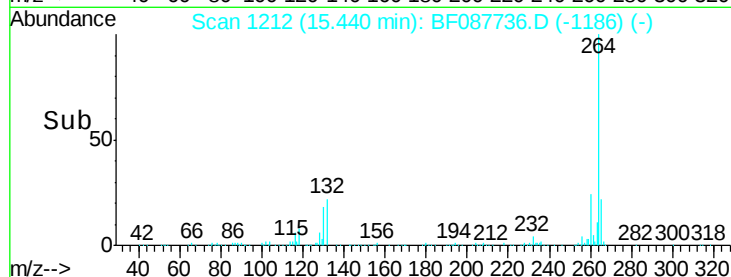
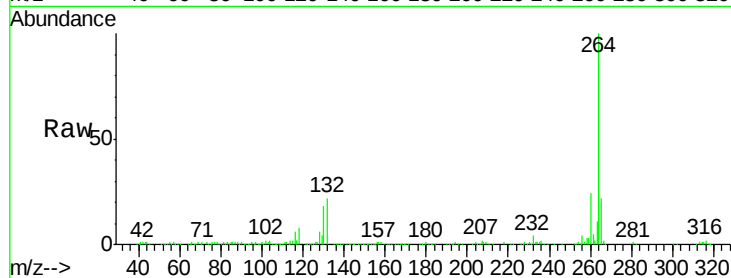
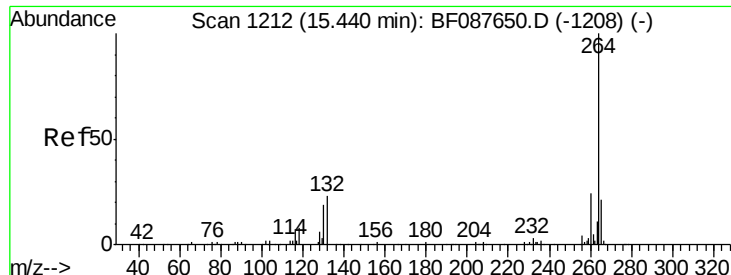
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	820103		
212	7.6	6.0	9.0	
122	13.0	11.2	16.8	

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
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF087736.D
Acq: 6 Jun 2016 5:21

Instrument :
BNA_F
ClientSampleId :
SYSDIS-060216

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	16.9	25.3

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