

Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\
 Data File : BE091866.D
 Acq On : 25 May 2016 19:50
 Operator : UM/SJ
 Sample : H3065-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW010-160511

Manual Integrations
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Quant Time: May 26 01:48:00 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 19:42:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	32944	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	174080	5.00	ng	0.00
15) Acenaphthene-d10	14.40	164	111041	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	269241	5.00	ng	0.00
31) Chrysene-d12	21.29	240	330187	5.00	ng	0.00
40) Perylene-d12	23.71	264	286588	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	14896	1.58	ng	0.00
5) Phenol-d6	6.95	99	15763	1.28	ng	0.00
9) Nitrobenzene-d5	8.91	82	30588	2.16	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	30663	6.19	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	91266	2.76	ng	-0.02
34) Terphenyl-d14	19.74	244	181423	3.64	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.31	88	8172	1.98	ng	Qvalue 95
6) bis(2-Chloroethyl)ether	7.20	93	3306	0.32	ng	96
12) Naphthalene	10.61	128	1796	0.05	ng	# 68
20) Acenaphthene	14.44	154	185941	7.10	ng	# 83
22) Fluorene	15.44	166	195232	5.01	ng	99
27) Pentachlorophenol	16.78	266	492	0.14	ng	93
28) Phenanthrene	17.17	178	83682	1.61	ng	100
29) Anthracene	17.26	178	49232m	0.92	ng	
30) Fluoranthene	19.17	202	54756	0.86	ng	# 87
33) Pyrene	19.53	202	33304	0.48	ng	# 91
35) Benzo(a)anthracene	21.27	228	4077m	0.05	ng	
38) Bis(2-ethylhexyl)phthalate	21.20	149	23767	0.74	ng	# 100

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

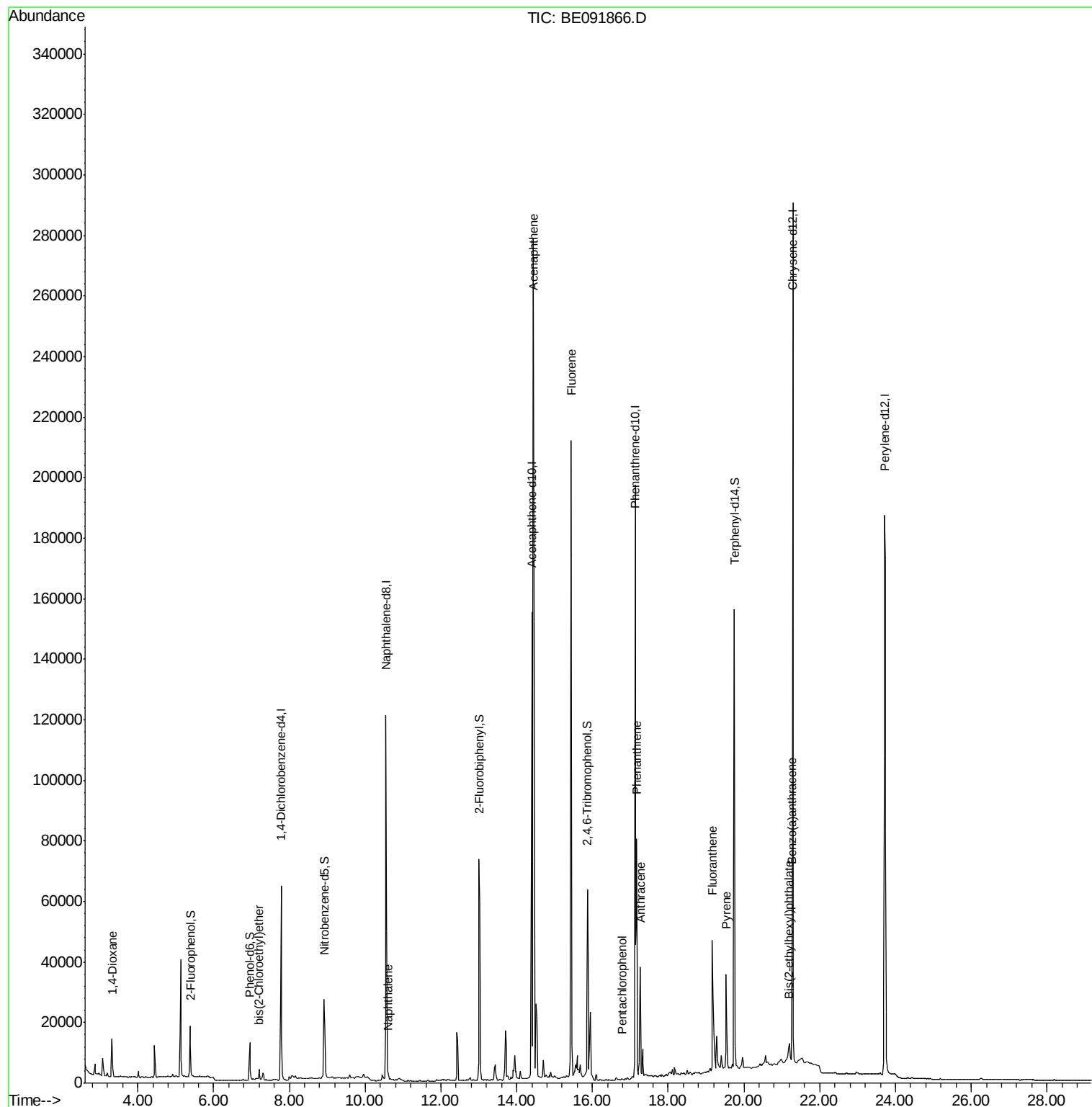
Data Path : Z:\HPCHEM1\BNA E\DATA\BE052516\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

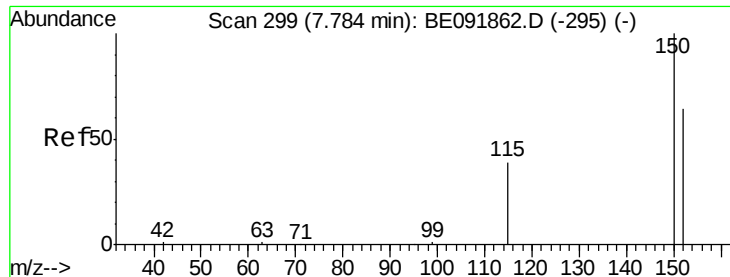
Instrument :
BNA_E
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SS043MW010-160511

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Quant Time: May 26 01:48:00 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE052516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 19:42:30 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. 0.00 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Instrument :

BNA_E

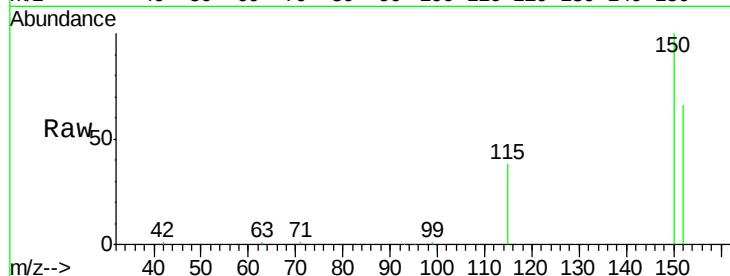
ClientSampleId :

SS043MW010-160511

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	123.9	185.9
115	58.0	48.3	72.5

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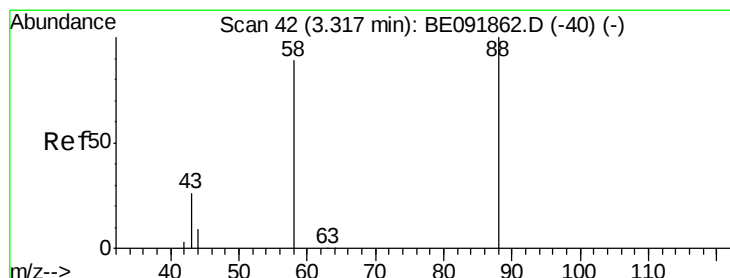
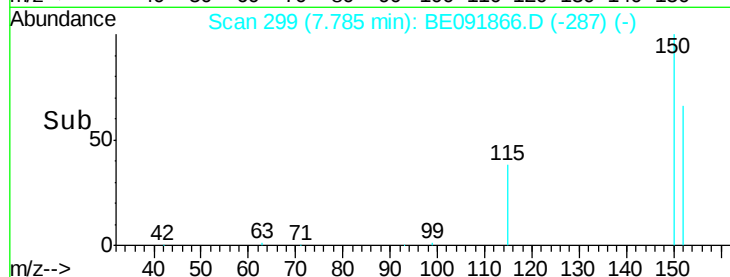
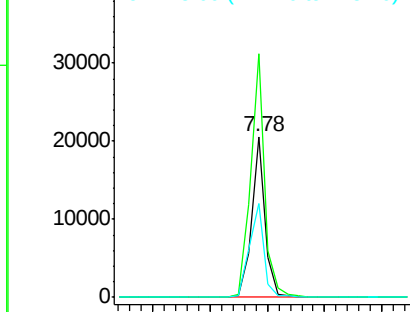


Abundance

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: 1.98 ng

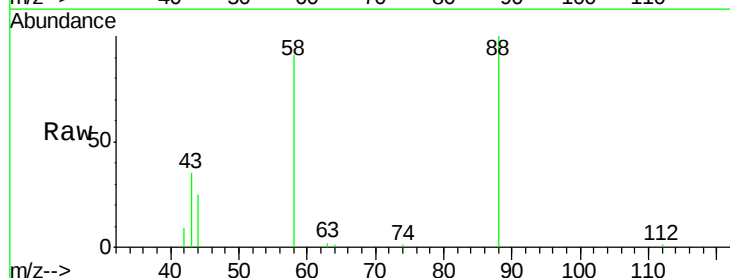
RT: 3.31 min Scan# 42

Delta R.T. -0.00 min

Lab File: BE091866.D

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Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.0	63.0	94.4
43	34.2	29.1	43.7

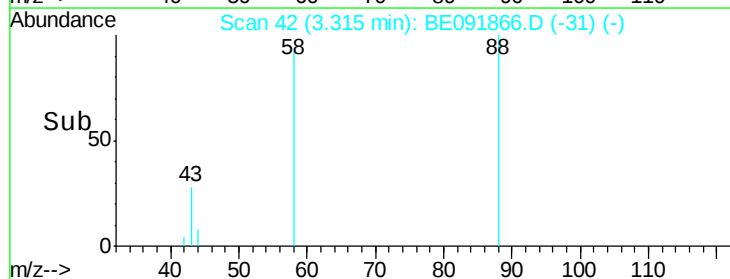
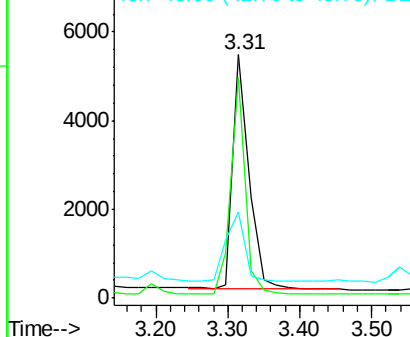


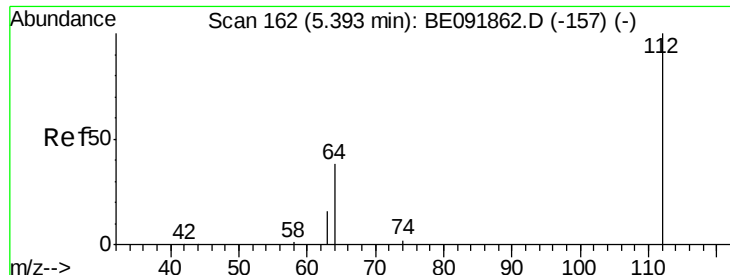
Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 1.58 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Instrument :

BNA_E

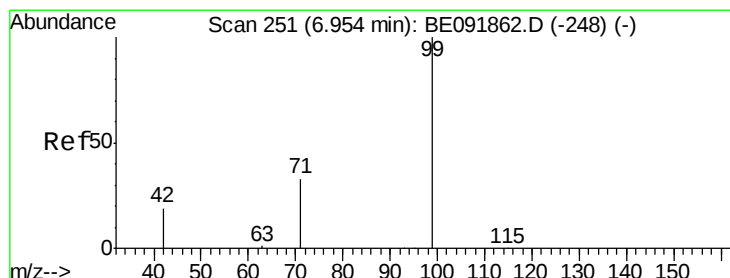
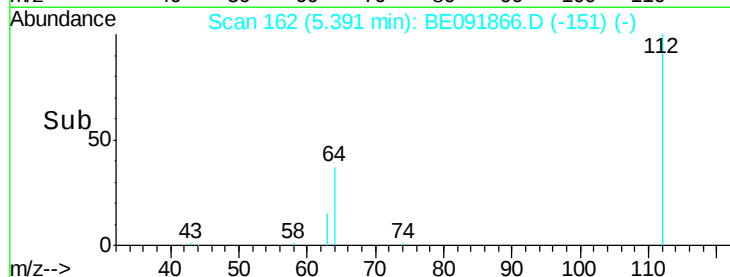
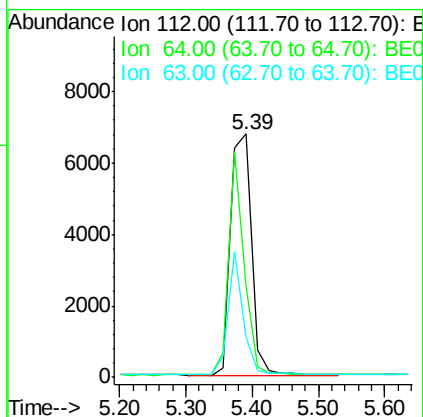
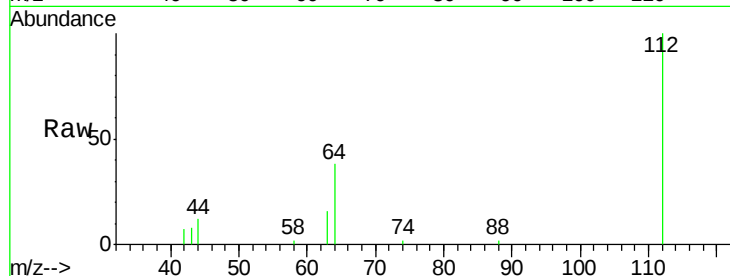
ClientSampleId :

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Tot Ion:	112	Resp:	14896
Ion Ratio	Lower	Upper	
112	100		
64	68.5	53.7	80.5
63	36.7	29.5	44.3

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#5

Phenol-d6

Concen: 1.28 ng

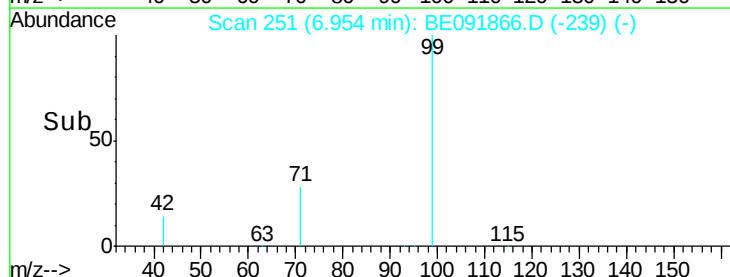
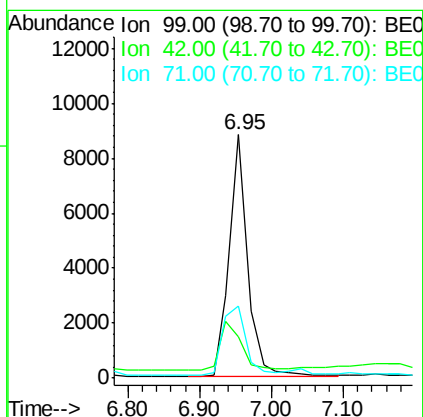
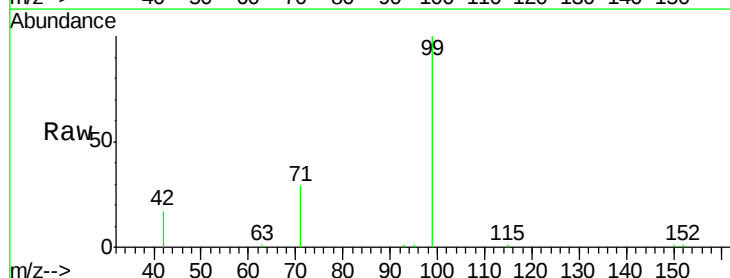
RT: 6.95 min Scan# 251

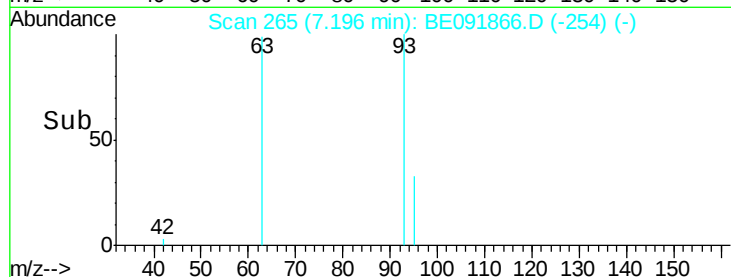
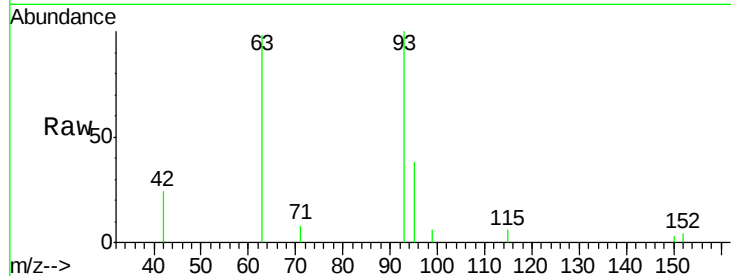
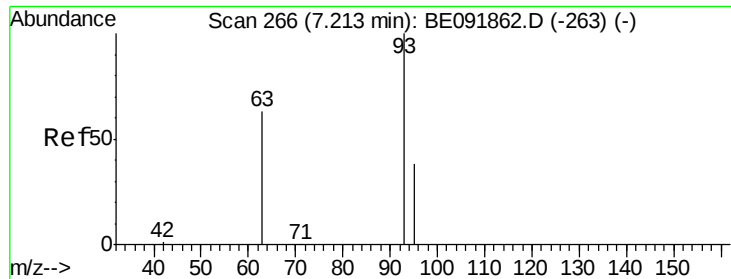
Delta R.T. 0.00 min

Lab File: BE091866.D

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Tgt Ion:	99	Resp:	15763
Ion Ratio	Lower	Upper	
99	100		
42	23.5	19.6	29.4
71	35.9	28.1	42.1





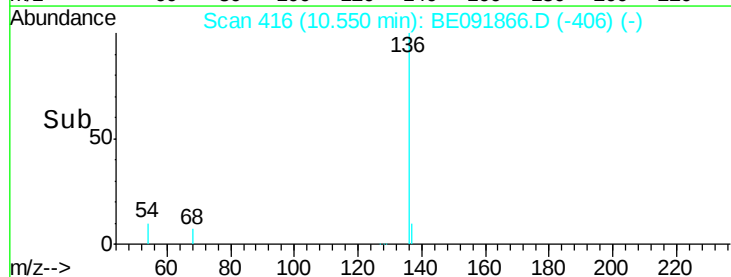
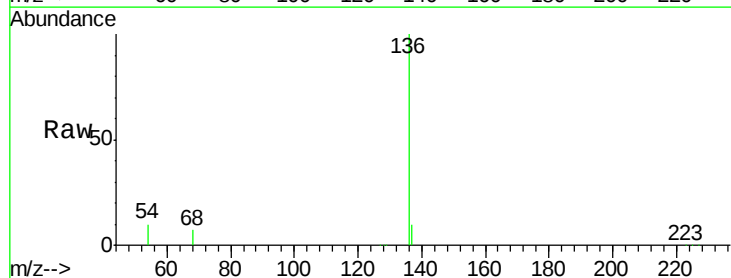
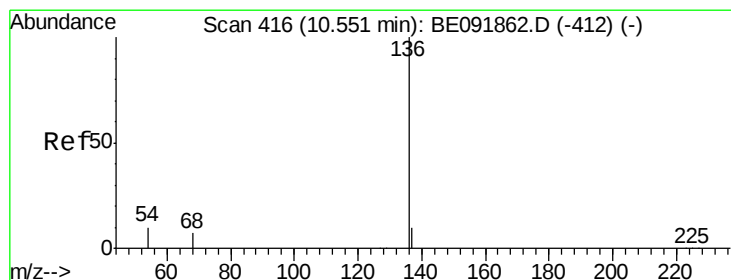
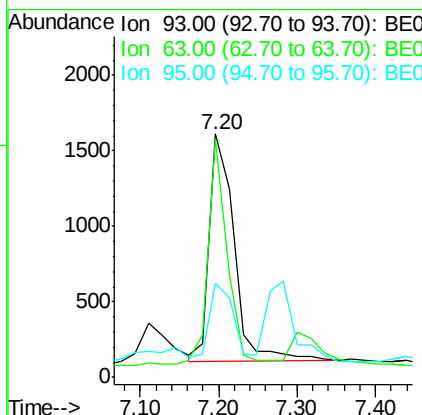
#6
bis(2-Chloroethyl)ether
Concen: 0.32 ng
RT: 7.20 min Scan# 265
Delta R.T. -0.02 min
Lab File: BE091866.D
Acq: 25 May 2016 19:50

Tot Ion:	93	Resp:	3306
Ion	Ratio	Lower	Upper
93	100		
63	78.5	66.2	99.4
95	33.1	25.5	38.3

Instrument :
BNA_E
ClientSampleId :
SS043MW010-160511

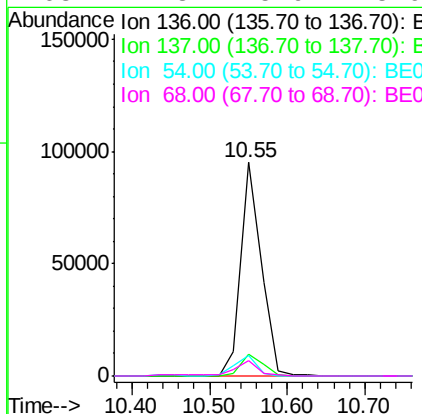
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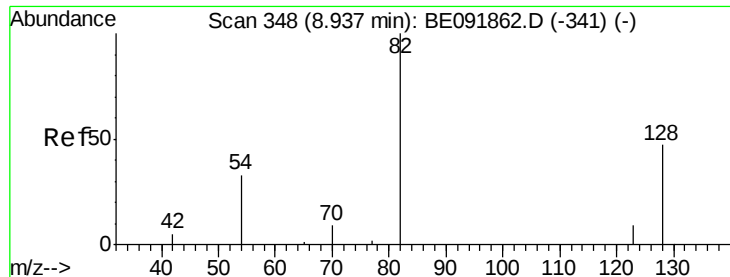
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#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 416
Delta R.T. -0.00 min
Lab File: BE091866.D
Acq: 25 May 2016 19:50

Tgt Ion:	136	Resp:	174080
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.3	12.5
54	9.8	8.2	12.4
68	7.3	5.9	8.9





#9

Nitrobenzene-d5

Concen: 2.16 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Instrument :

BNA_E

ClientSampleId :

SS043MW010-160511

Tot Ion: 82 Resp: 30588

Ion Ratio Lower Upper

82 100

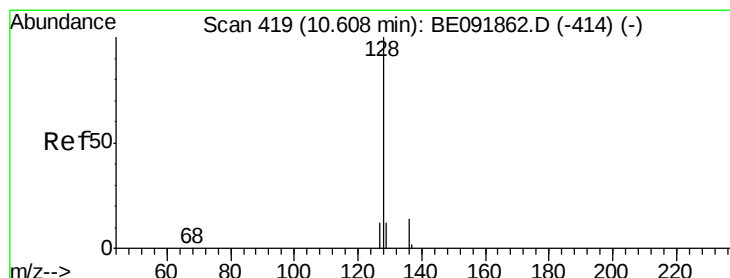
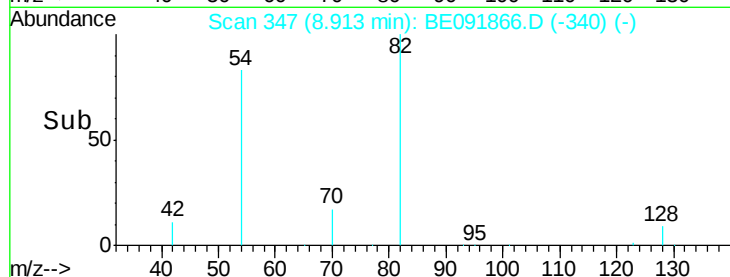
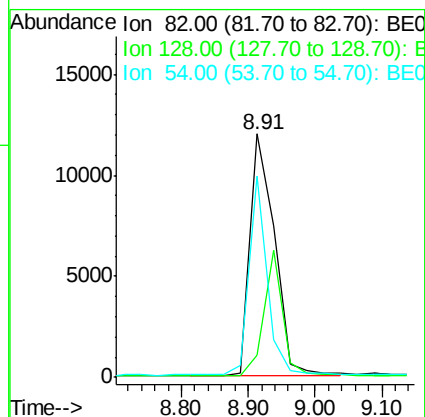
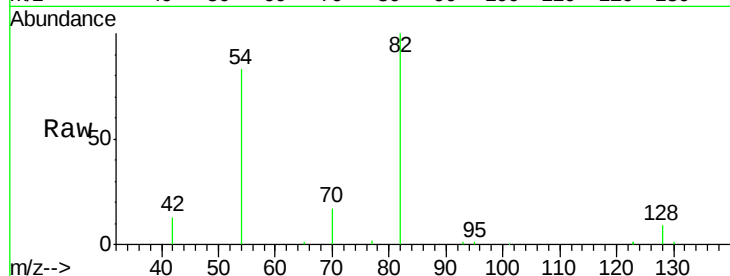
128 9.1 39.5 59.3#

54 82.8 30.3 45.5#

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#12

Naphthalene

Concen: 0.05 ng

RT: 10.61 min Scan# 419

Delta R.T. -0.00 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

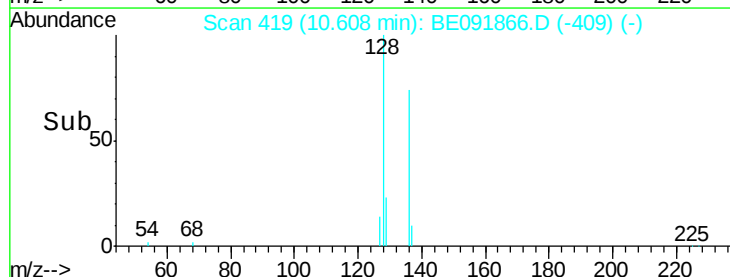
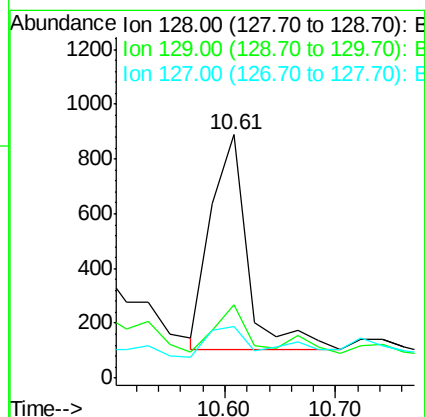
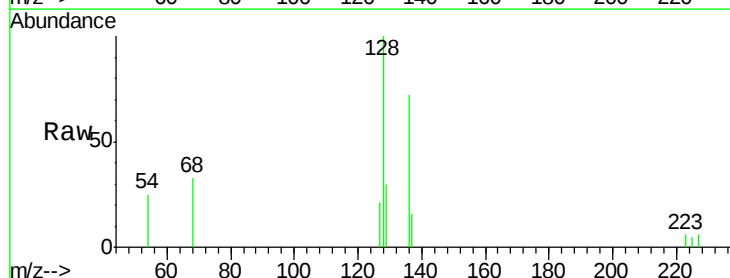
Tgt Ion: 128 Resp: 1796

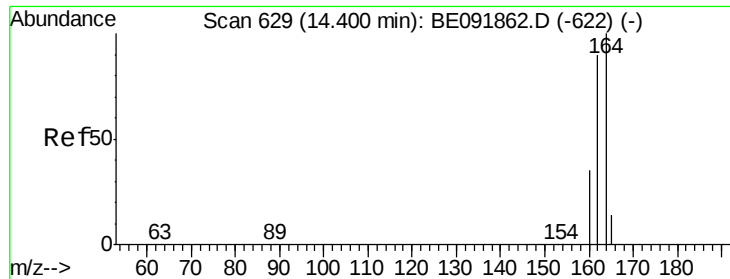
Ion Ratio Lower Upper

128 100

129 30.0 10.4 15.6#

127 20.9 10.2 15.2#





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 629

Delta R.T. -0.00 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Instrument :

BNA_E

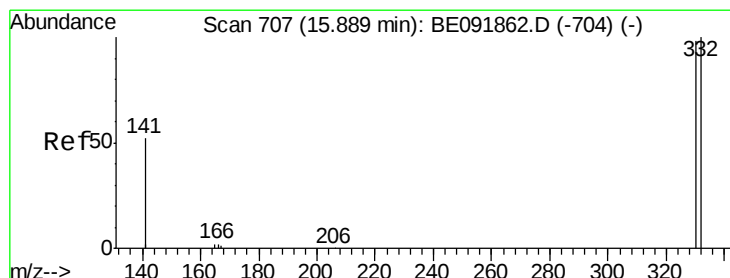
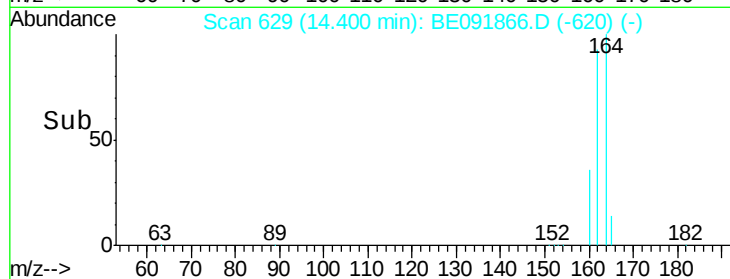
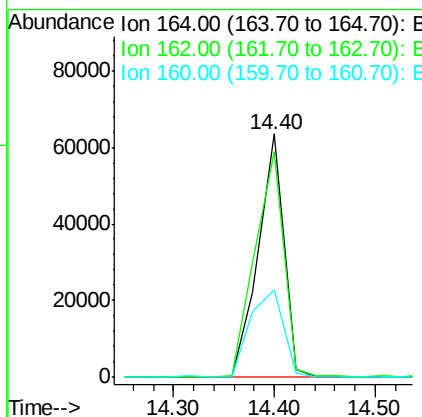
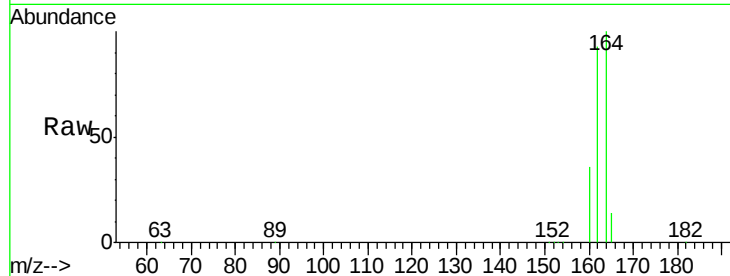
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
164	100		
162	92.5	71.8	107.8
160	35.9	28.0	42.0

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#16

2,4,6-Tribromophenol

Concen: 6.19 ng

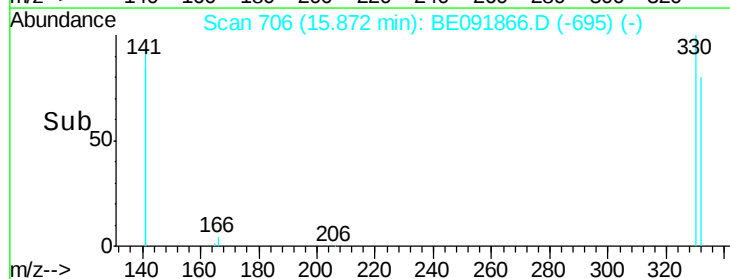
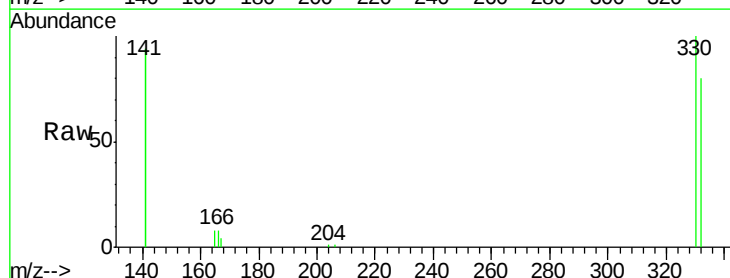
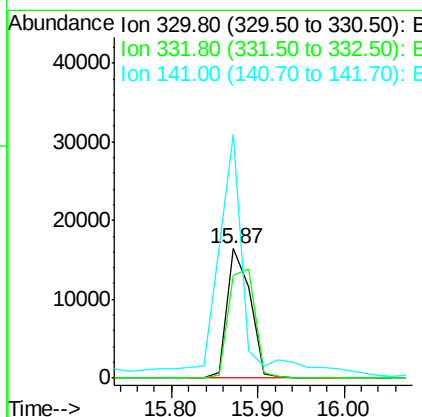
RT: 15.87 min Scan# 706

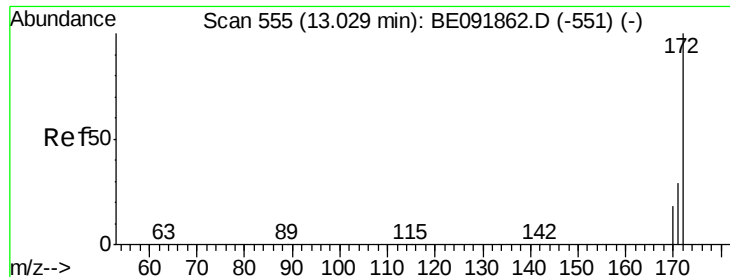
Delta R.T. -0.02 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	180.2	138.4	207.6





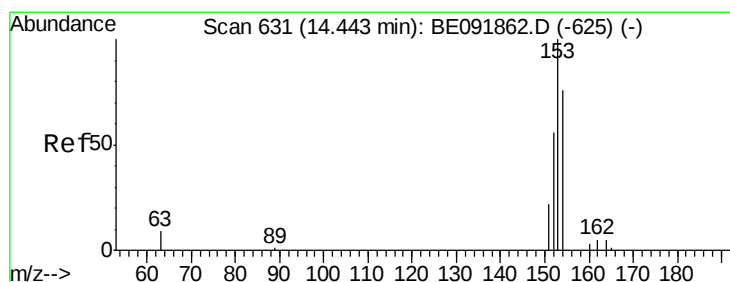
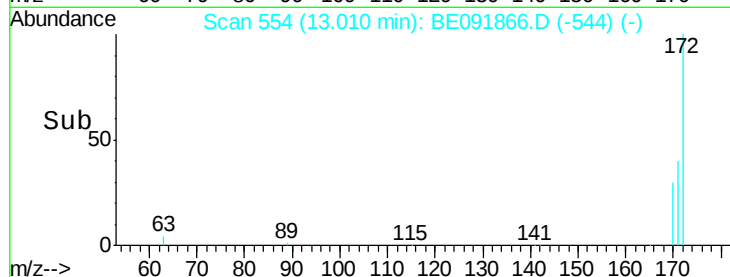
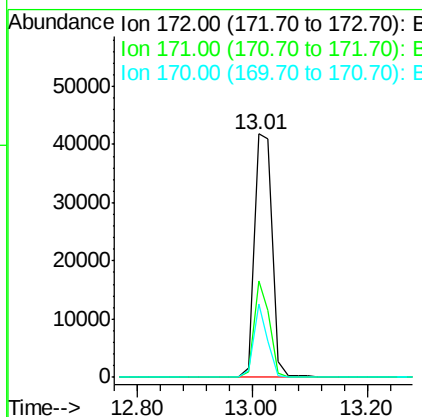
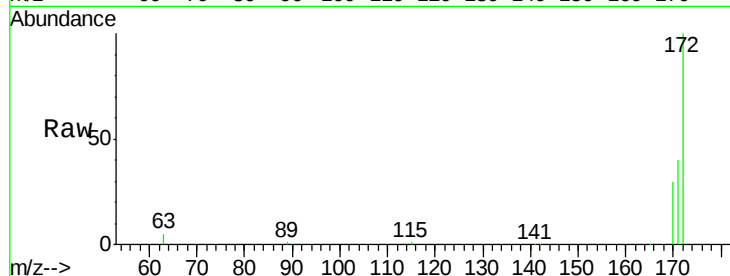
#17
2-Fluorobiphenyl
Concen: 2.76 ng
RT: 13.01 min Scan# 554
Delta R.T. -0.02 min
Lab File: BE091866.D
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Tot Ion	Ratio	Lower	Upper
172	100		
171	39.7	24.3	36.5#
170	30.2	14.9	22.3#

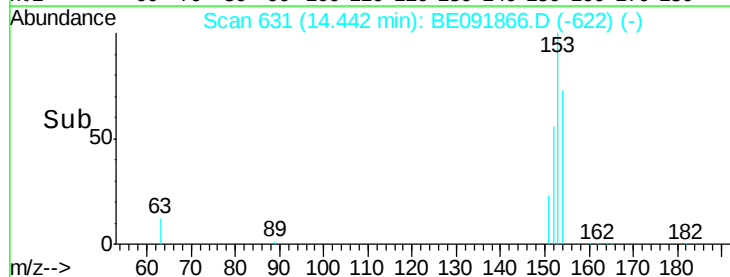
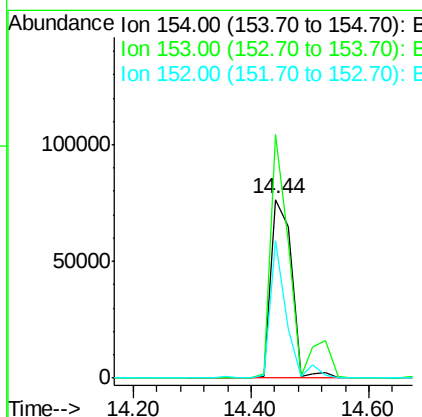
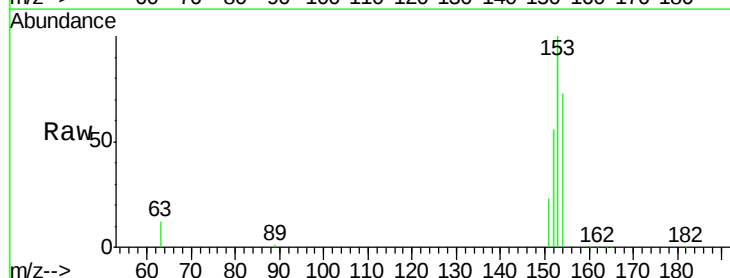
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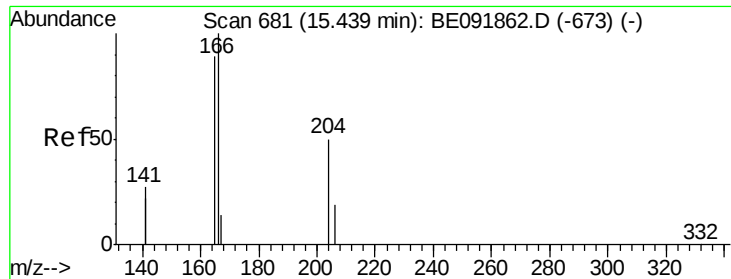
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#20
Acenaphthene
Concen: 7.10 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091866.D
Acq: 25 May 2016 19:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	132.6	88.1	132.1#
152	60.7	44.2	66.2





#22

Fluorene

Concen: 5.01 ng

RT: 15.44 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Instrument :

BNA_E

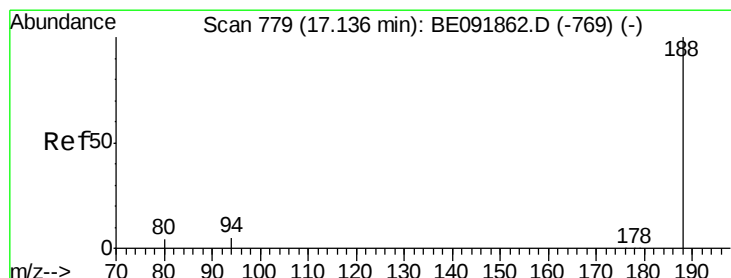
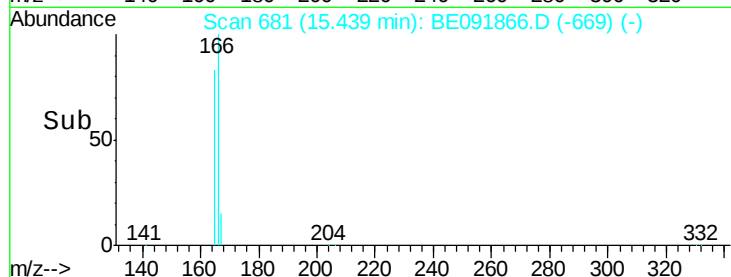
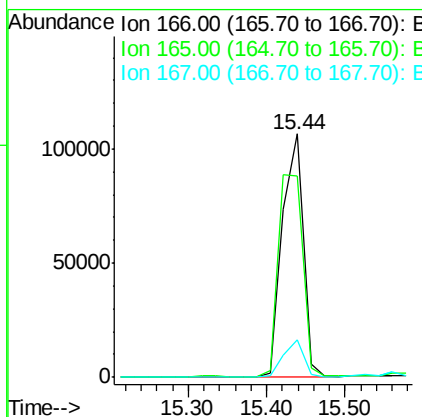
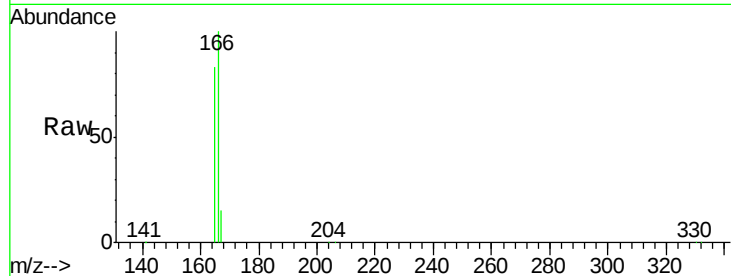
ClientSampleId :

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Tot Ion:	166	Resp:	195232
Ion Ratio	Lower	Upper	
166	100		
165	97.3	78.6	117.8
167	14.2	10.8	16.2

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#24

Phenanthrene-d10

Concen: 5.00 ng

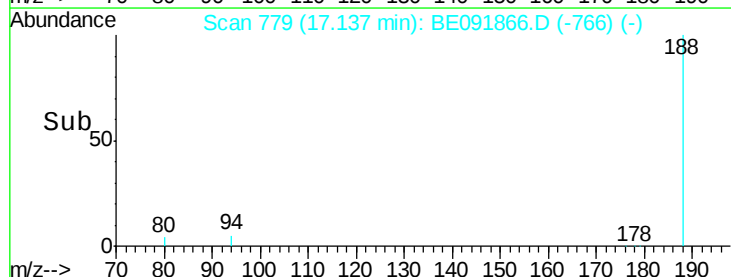
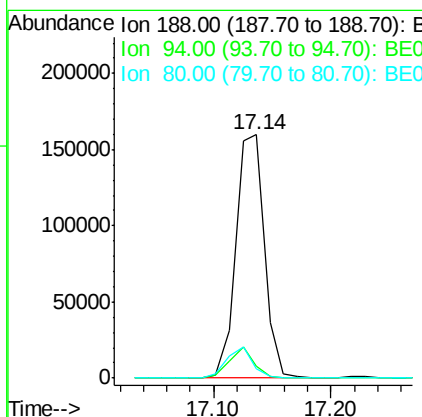
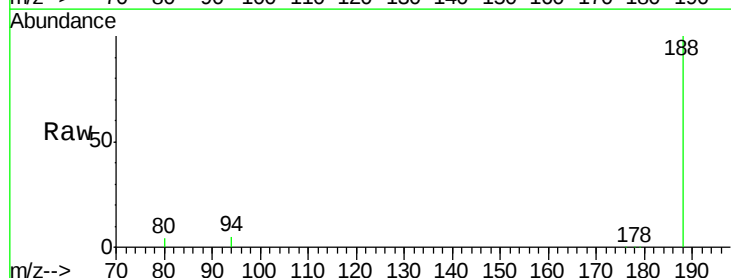
RT: 17.14 min Scan# 779

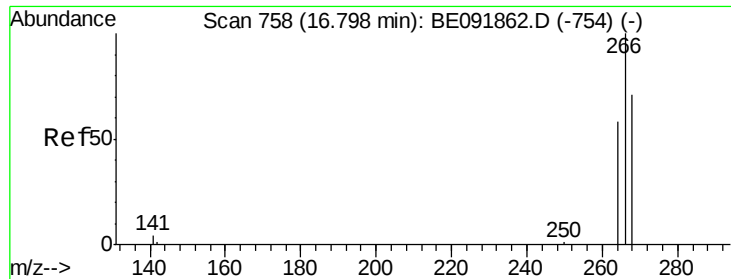
Delta R.T. 0.00 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Tgt Ion:	188	Resp:	269241
Ion Ratio	Lower	Upper	
188	100		
94	4.8	4.1	6.1
80	3.9	3.4	5.2





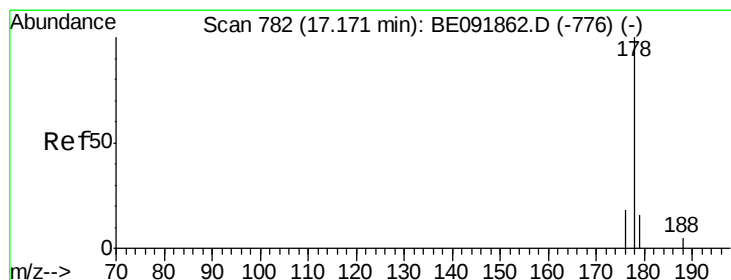
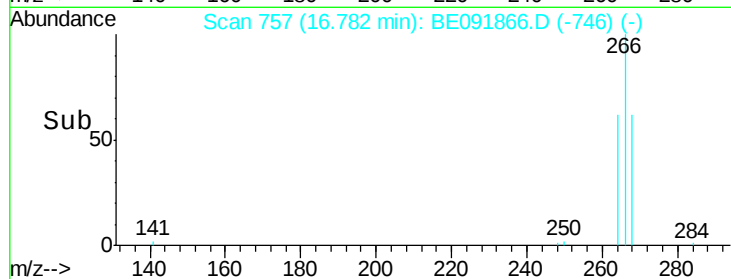
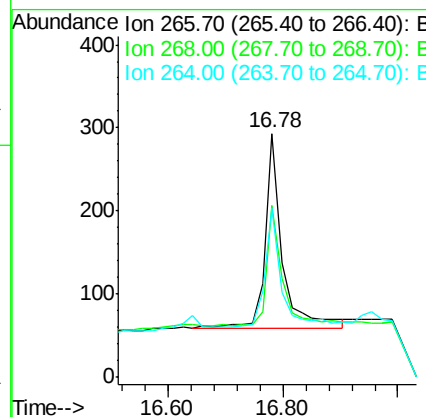
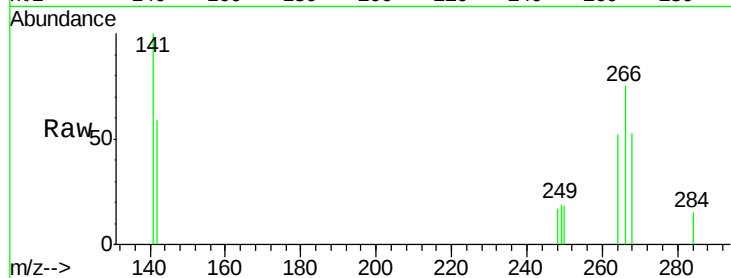
#27
 Pentachlorophenol
 Concen: 0.14 ng
 RT: 16.78 min Scan# 757
 Delta R.T. -0.02 min
 Lab File: BE091866.D
 Acq: 25 May 2016 19:50

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW010-160511

Tot Ion:	266	Resp:	492
Ion Ratio	Lower	Upper	
266	100		
268	70.3	60.5	90.7
264	69.3	51.0	76.4

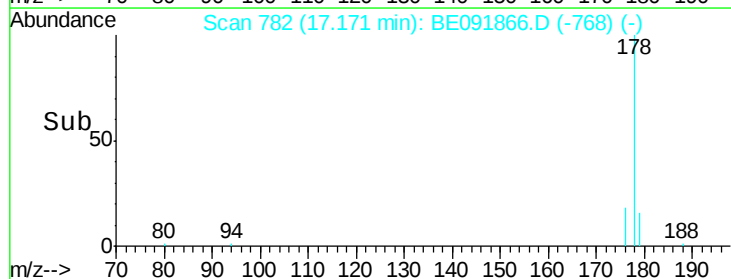
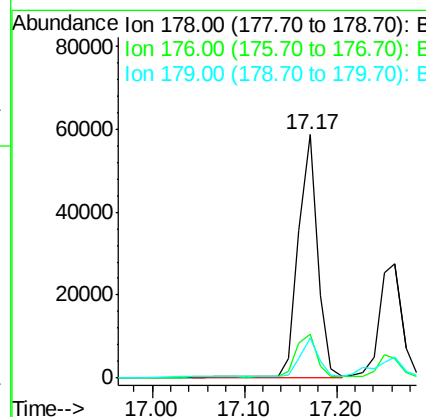
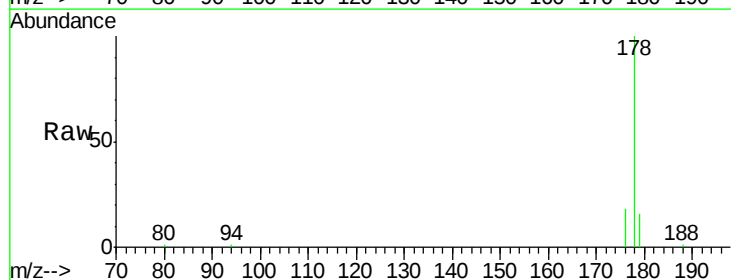
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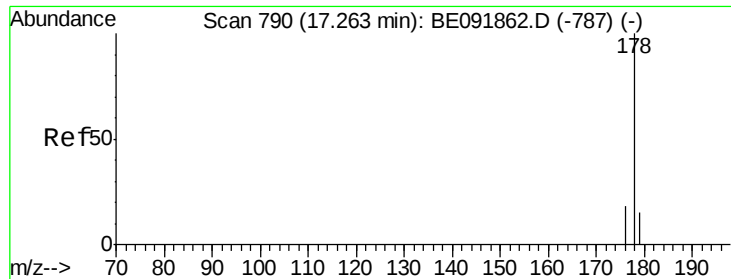
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#28
 Phenanthrene
 Concen: 1.61 ng
 RT: 17.17 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BE091866.D
 Acq: 25 May 2016 19:50

Tgt Ion:	178	Resp:	83682
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.2
179	15.9	12.9	19.3





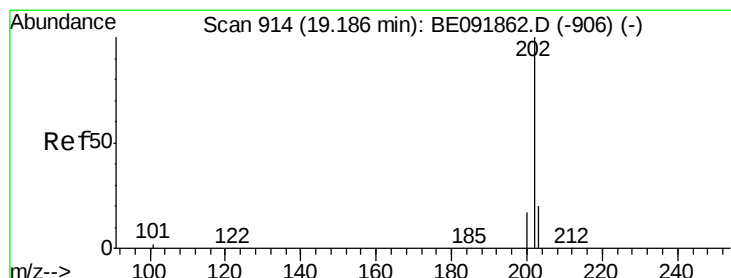
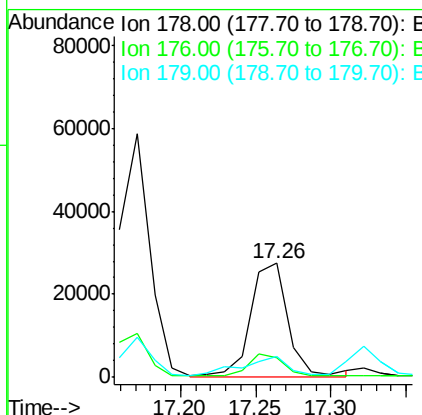
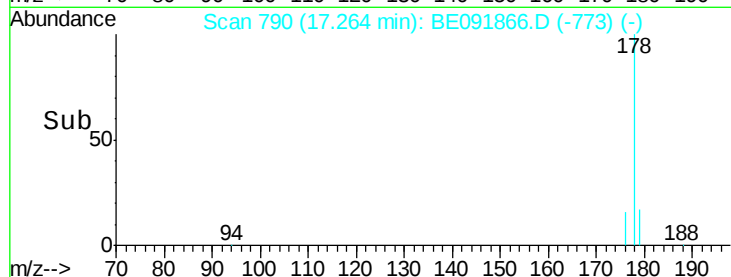
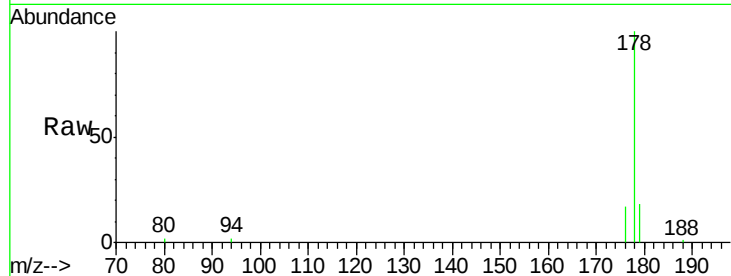
#29
 Anthracene
 Concen: 0.92 ng m
 RT: 17.26 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BE091866.D
 Acq: 25 May 2016 19:50

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW010-160511

Tot Ion:178 Resp: 49232
 Ion Ratio Lower Upper
 178 100
 176 33.0 15.1 22.7#
 179 27.0 12.1 18.1#

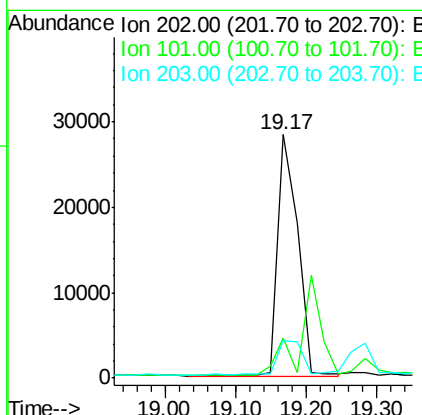
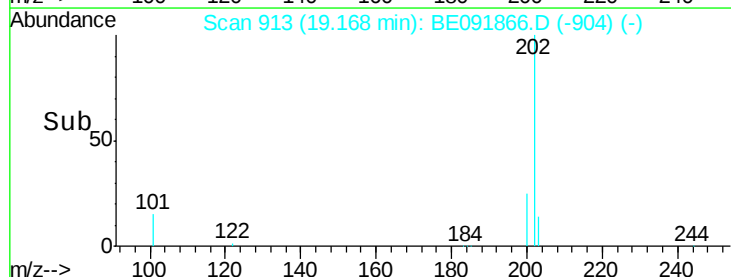
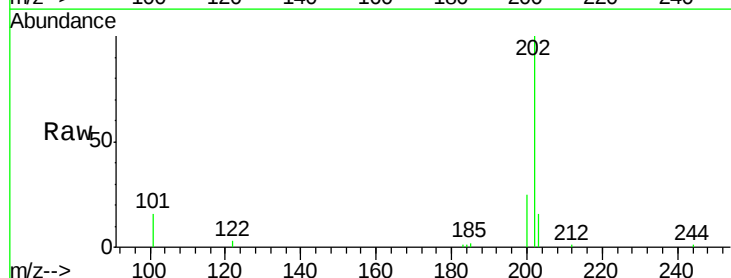
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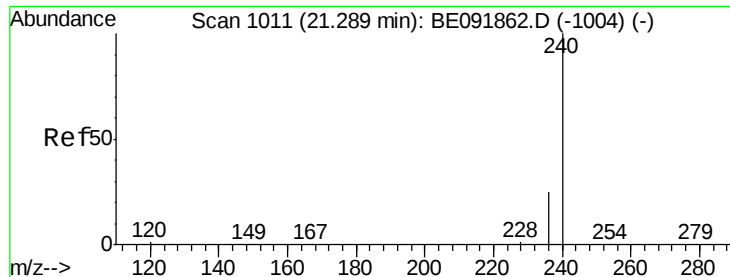
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#30
 Fluoranthene
 Concen: 0.86 ng
 RT: 19.17 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: BE091866.D
 Acq: 25 May 2016 19:50

Tgt Ion:202 Resp: 54756
 Ion Ratio Lower Upper
 202 100
 101 0.0 9.4 14.0#
 203 18.7 14.3 21.5





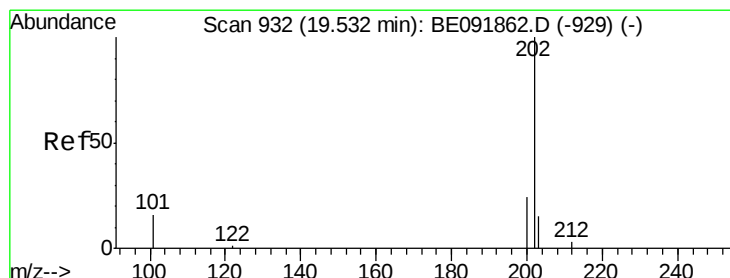
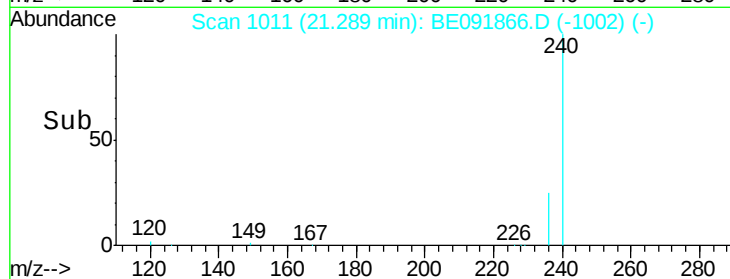
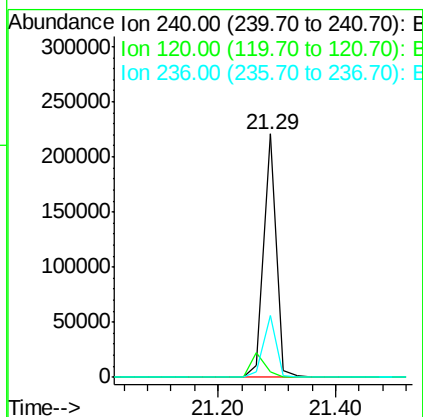
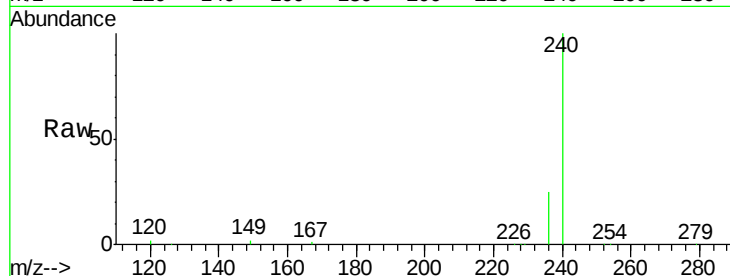
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BE091866.D
Acq: 25 May 2016 19:50

Instrument :
BNA_E
ClientSampleId :
SS043MW010-160511

Tot Ion	Ratio	Lower	Upper
240	100		
120	2.1	1.2	1.8#
236	25.4	19.8	29.8

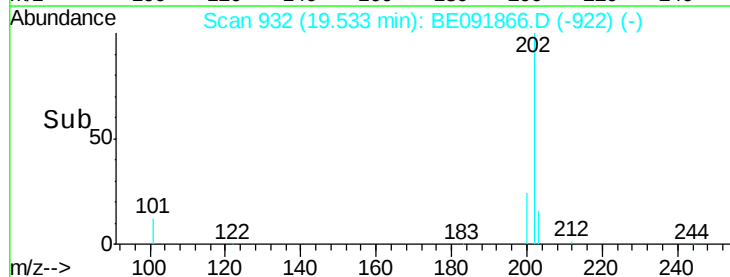
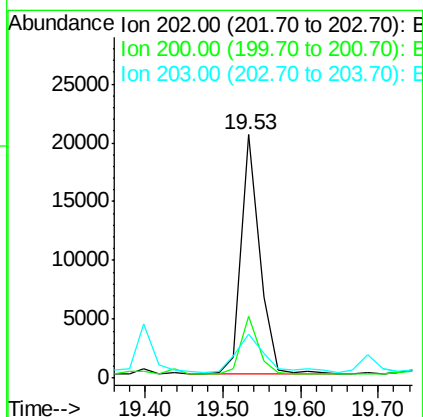
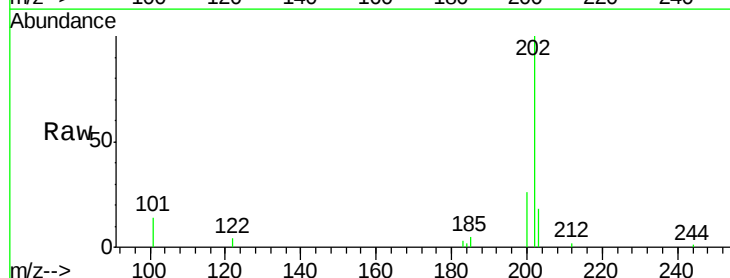
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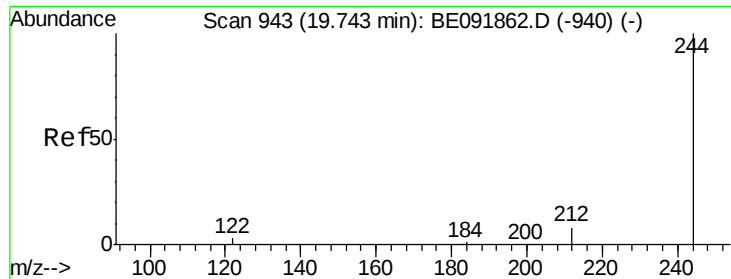
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#33
Pyrene
Concen: 0.48 ng
RT: 19.53 min Scan# 932
Delta R.T. 0.00 min
Lab File: BE091866.D
Acq: 25 May 2016 19:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	16.9	25.3
203	24.4	14.1	21.1#





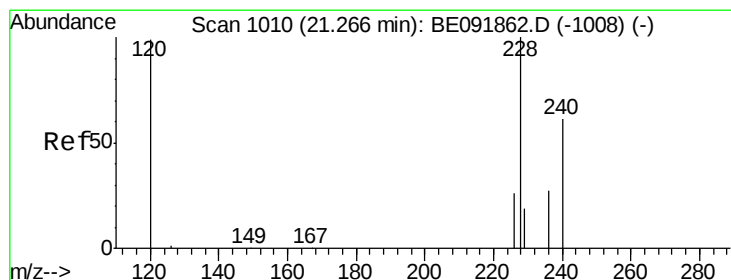
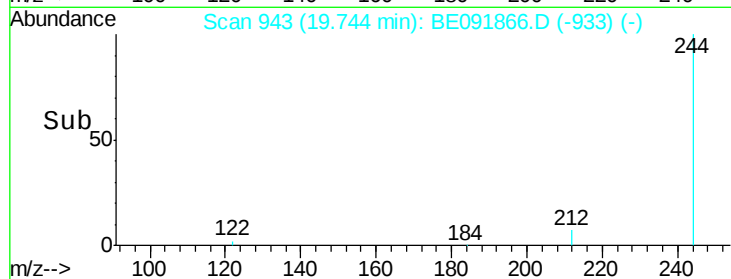
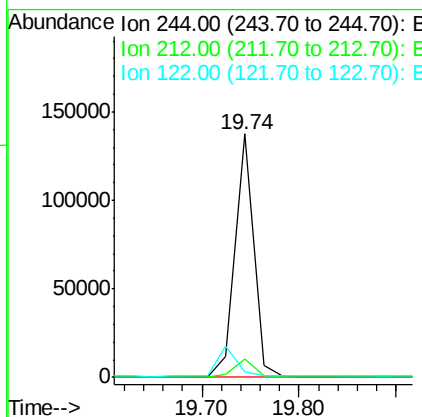
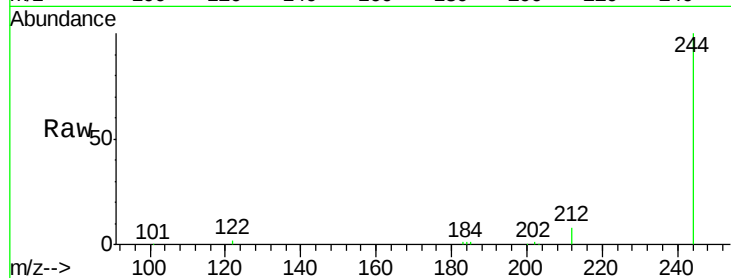
#34
 Terphenyl-d14
 Concen: 3.64 ng
 RT: 19.74 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BE091866.D
 Acq: 25 May 2016 19:50

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW010-160511

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.7	6.5	9.7
122	2.1	2.9	4.3

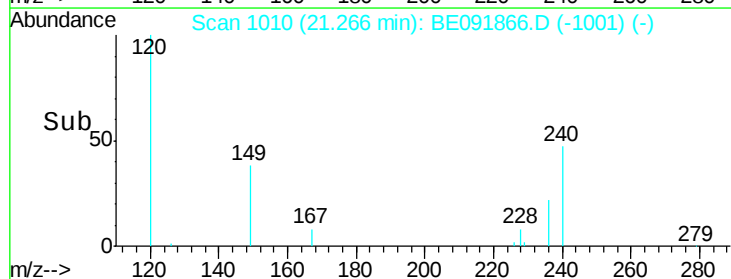
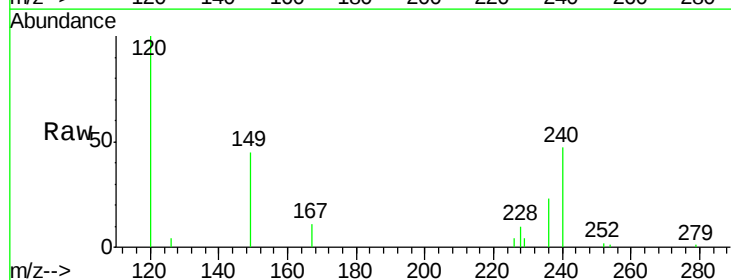
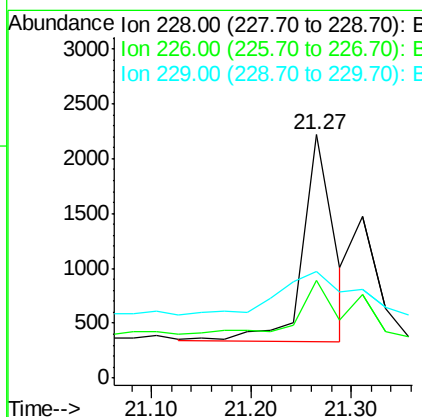
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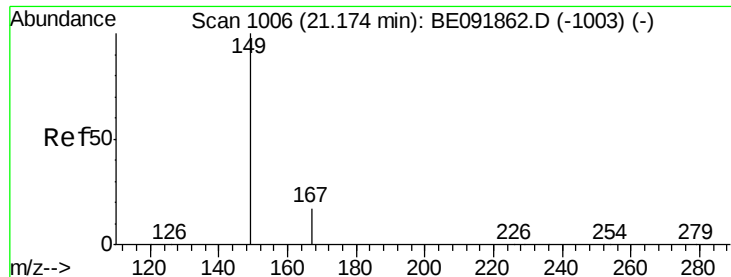
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#35
 Benzo(a)anthracene
 Concen: 0.05 ng m
 RT: 21.27 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BE091866.D
 Acq: 25 May 2016 19:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	40.2	21.0	31.4
229	43.6	15.8	23.8





#38

Bis(2-ethylhexyl)phthalate

Concen: 0.74 ng

RT: 21.20 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Instrument :

BNA_E

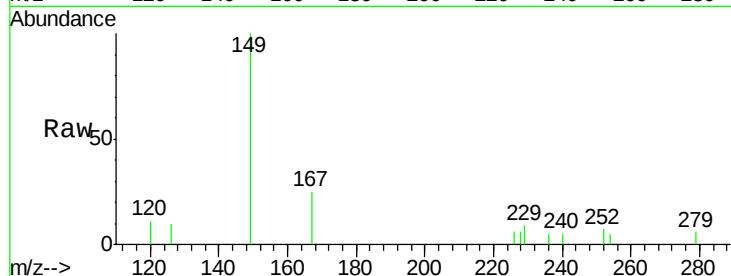
ClientSampleId :

SS043MW010-160511

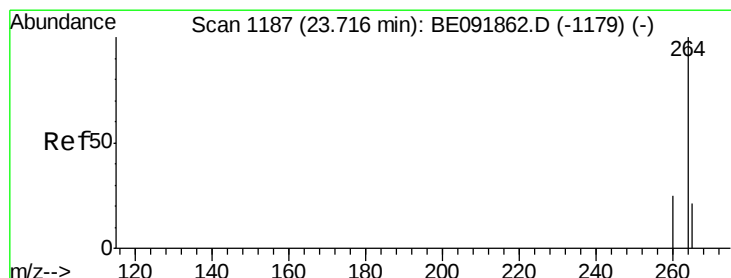
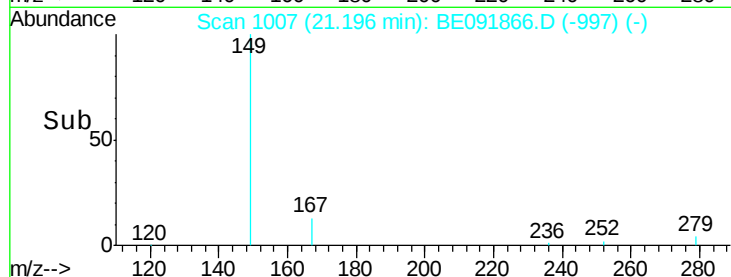
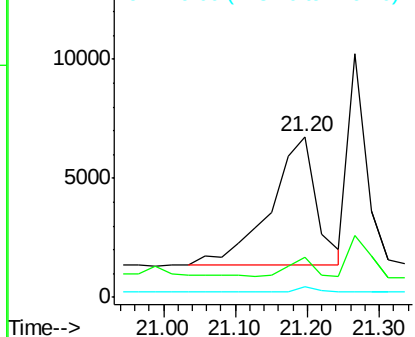
Tot Ion:	149	Resp:	23767
Ion Ratio	Lower	Upper	
149	100		
167	7.9	0.0	0.0#
279	1.6	0.0	0.0#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE091866.D

Acq: 25 May 2016 19:50

Tgt Ion:	264	Resp:	286588
Ion Ratio	Lower	Upper	
264	100		
260	25.9	20.3	30.5
265	21.5	17.6	26.4

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

