

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051616\
 Data File : BE091787.D
 Acq On : 16 May 2016 23:26
 Operator : UM/SJ
 Sample : H3065-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW100-160511

Manual Integrations
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Quant Time: May 17 12:45:42 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	51543	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	248834	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	142949	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	337459	5.00	ng	0.00
26) Chrysene-d12	21.31	240	322715	5.00	ng	0.00
35) Perylene-d12	23.74	264	337539	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	28074	2.22	ng	0.00
5) Phenol-d6	6.96	99	24572	1.46	ng	0.00
8) Nitrobenzene-d5	8.95	82	46987	2.93	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	38198	7.19	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	139254	3.44	ng	0.00
29) Terphenyl-d14	19.76	244	223047	4.43	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.35	88	12823	2.08	ng	# 92
6) bis(2-Chloroethyl)ether	7.21	93	1705	0.12	ng	# 67
17) Acenaphthene	14.47	154	32243	0.90	ng	# 91
18) Fluorene	15.44	166	3213	0.07	ng	# 55
22) Pentachlorophenol	16.79	266	1731	0.36	ng	# 93
23) Phenanthrene	17.18	178	2192	0.03	ng	# 73
24) Anthracene	17.28	178	4382	0.06	ng	# 88
25) Fluoranthene	19.19	202	6092	0.08	ng	# 85
28) Pyrene	19.55	202	7029	0.10	ng	# 88

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

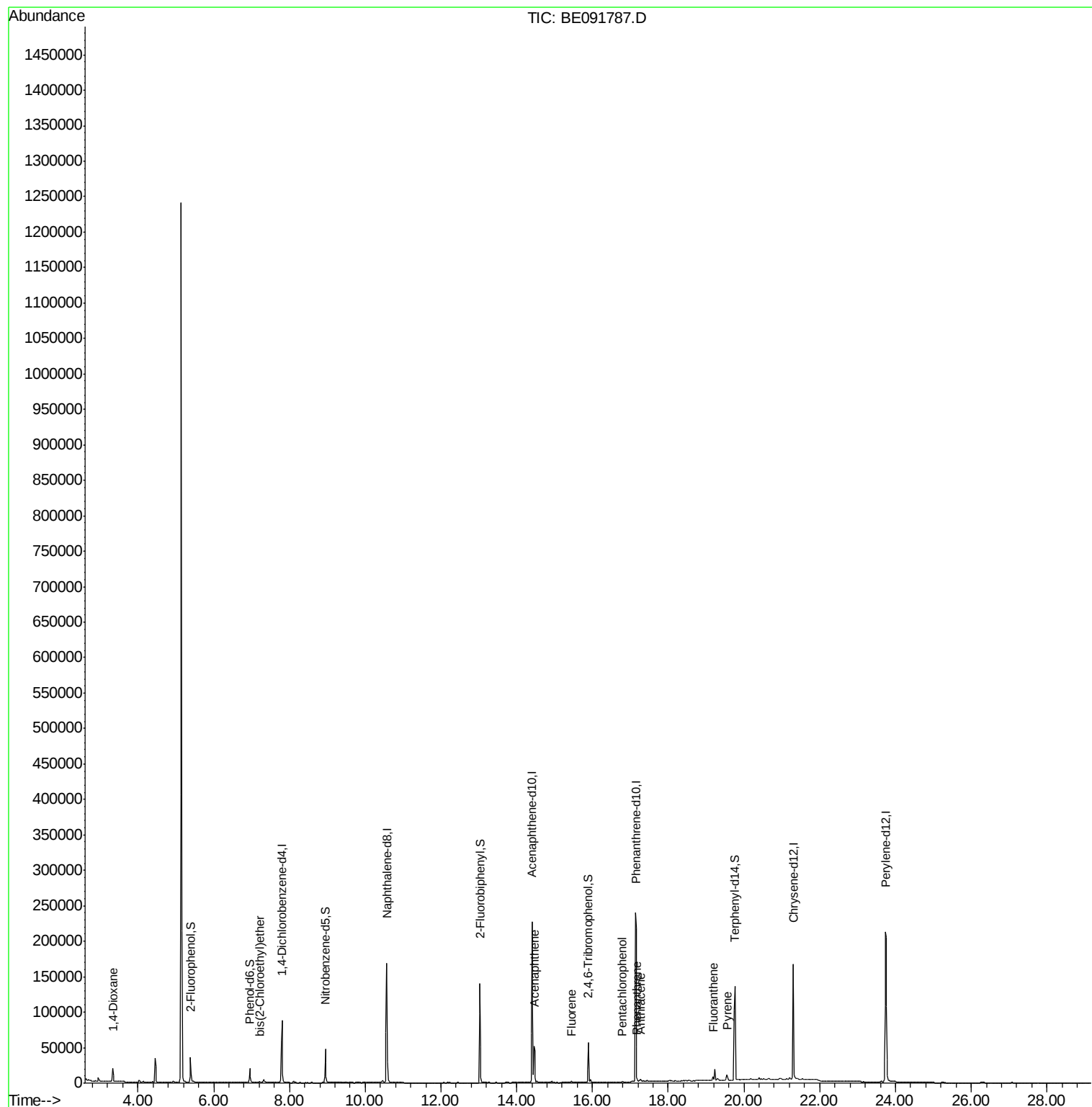
Data Path : Z:\HPCHEM1\BNA E\DATA\BE051616\
Data File : BE091787.D
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QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. 0.00 min

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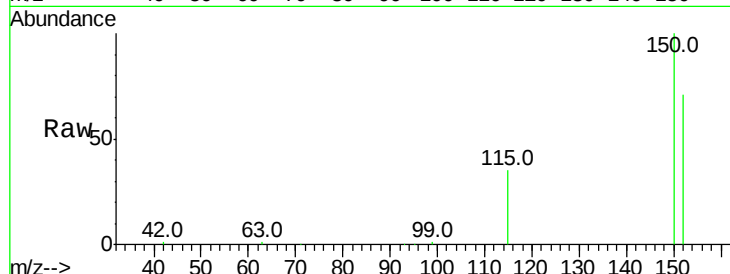
Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

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Tot Ion:152 Resp: 51543

Ion Ratio Lower Upper

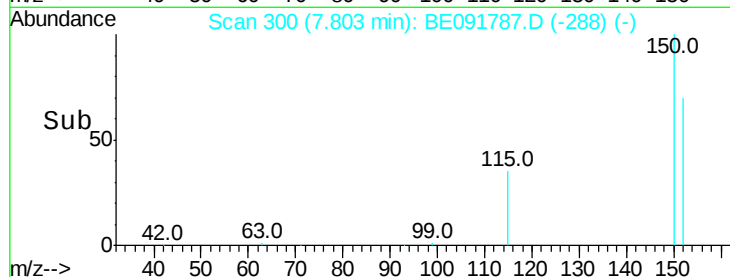
152 100

150 141.8 122.6 183.8

115 50.3 52.8 79.2#

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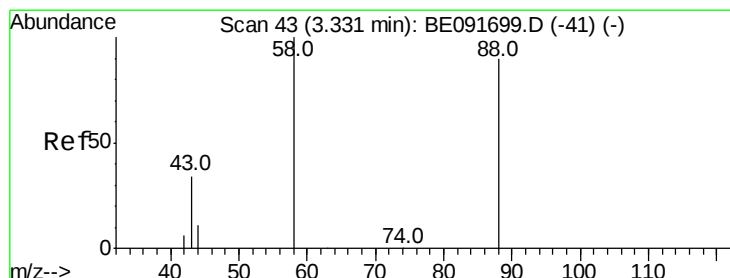
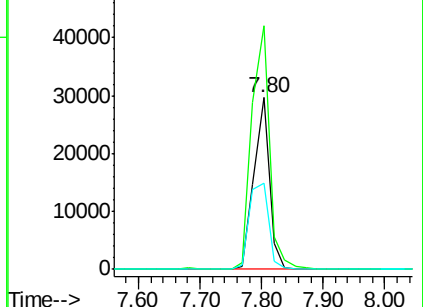
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.08 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.02 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

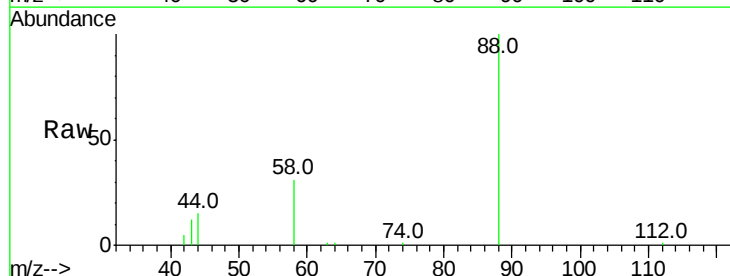
Tgt Ion: 88 Resp: 12823

Ion Ratio Lower Upper

88 100

58 88.1 65.8 98.6

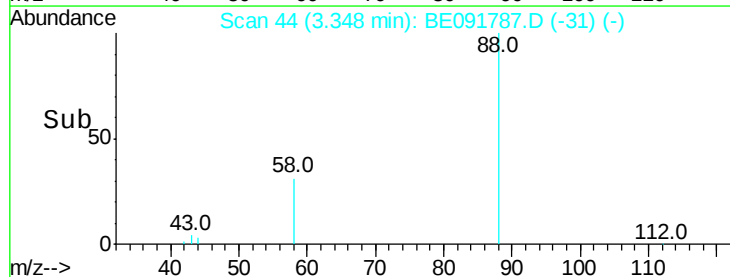
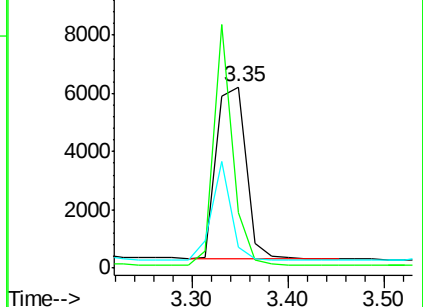
43 38.0 25.3 37.9#

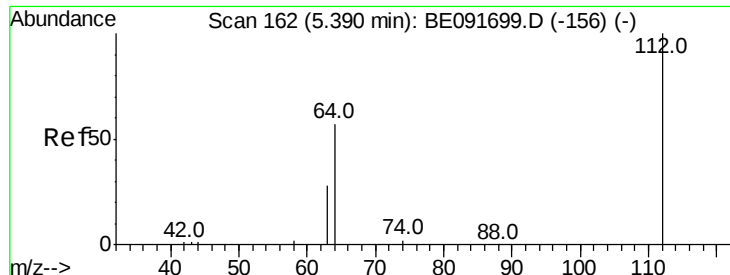


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 2.22 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091787.D

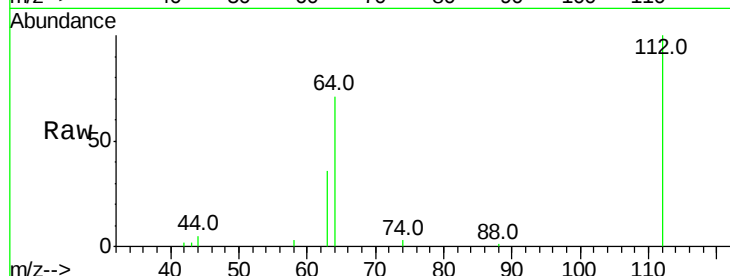
Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

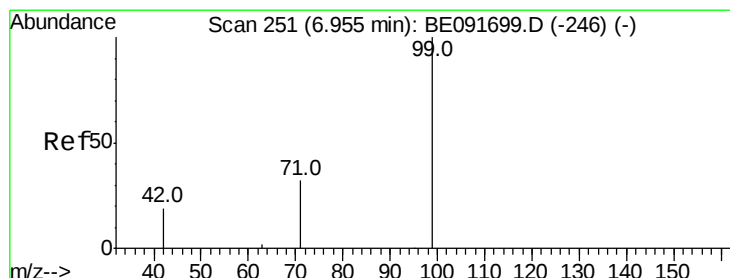
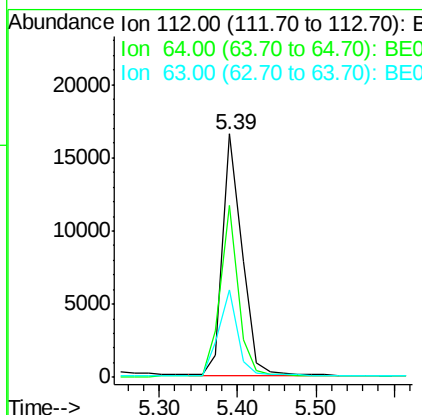
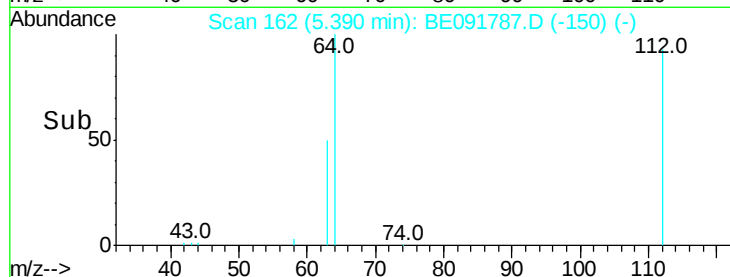
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Tot Ion	112	Resp	28074
Ion Ratio	Lower	Upper	
112	100		
64	67.4	30.9	46.3#
63	36.5	16.7	25.1#

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#5

Phenol-d6

Concen: 1.46 ng

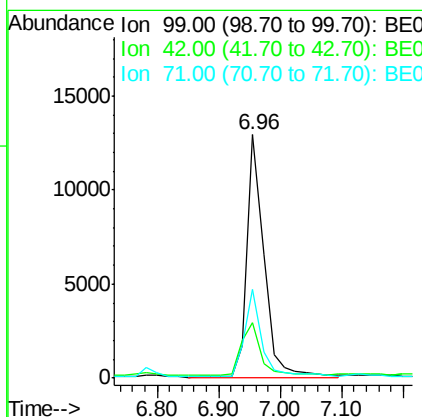
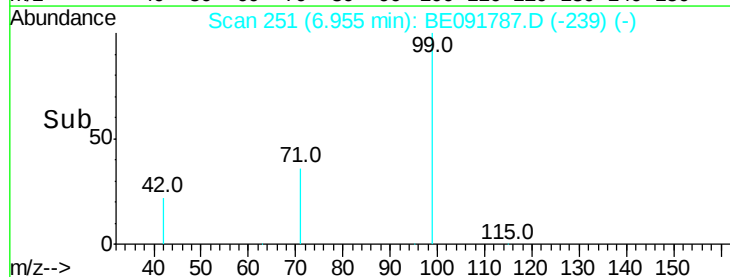
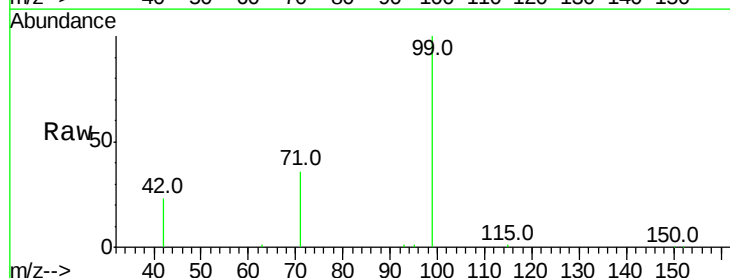
RT: 6.96 min Scan# 251

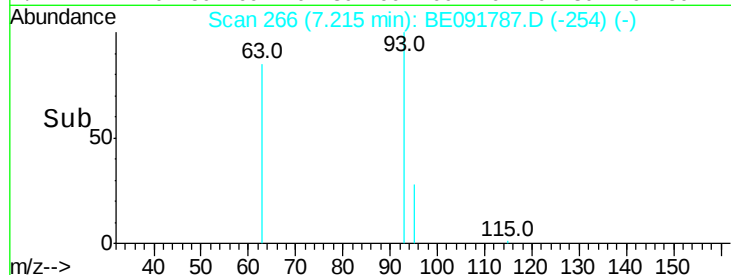
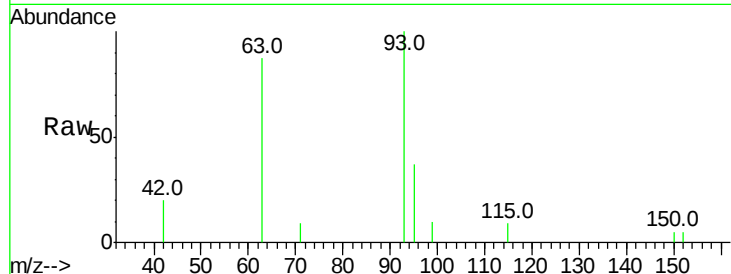
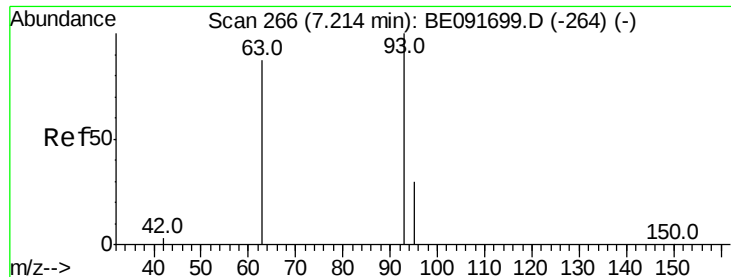
Delta R.T. 0.00 min

Lab File: BE091787.D

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Tgt Ion	99	Resp	24572
Ion Ratio	Lower	Upper	
99	100		
42	24.5	16.2	24.2#
71	37.0	29.0	43.4





#6

bis(2-Chloroethyl)ether

Concen: 0.12 ng

RT: 7.21 min Scan# 266

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

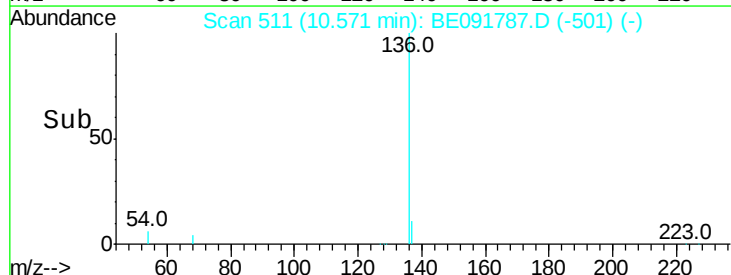
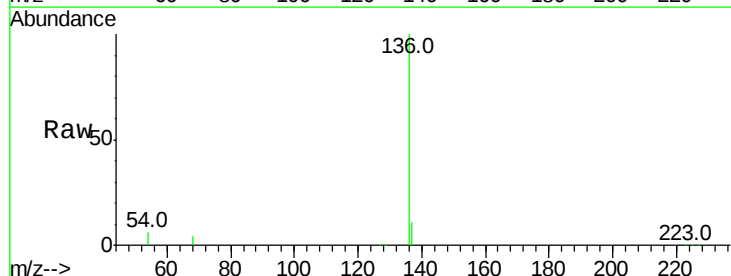
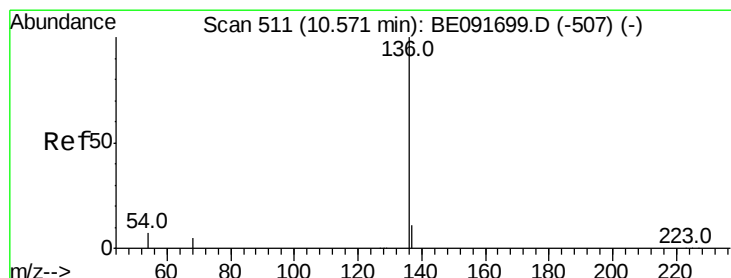
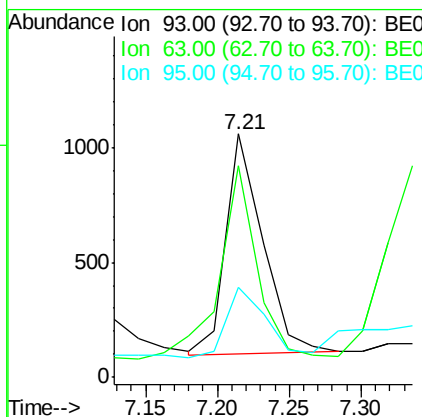
ClientSampleId :

SS043MW100-160511

Tot Ion:	93	Resp:	1705
Ion Ratio	Lower	Upper	
93	100		
63	94.4	49.5	74.3#
95	34.5	22.2	33.4#

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#7

Naphthalene-d8

Concen: 5.00 ng

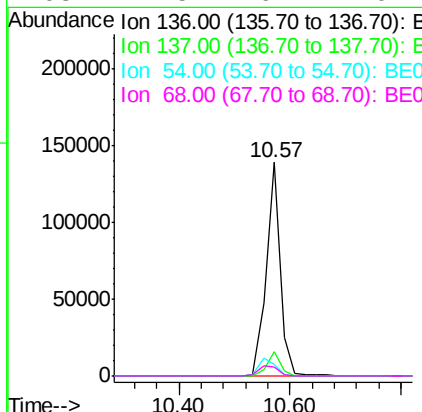
RT: 10.57 min Scan# 511

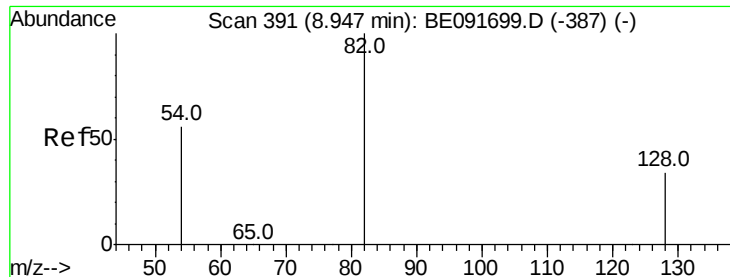
Delta R.T. -0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Tgt Ion:	136	Resp:	248834
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	5.7	8.2	12.4#
68	4.5	6.2	9.4#





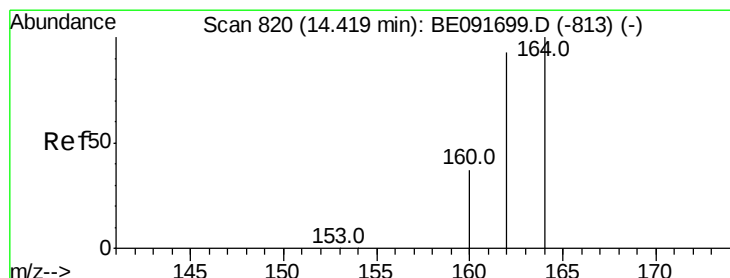
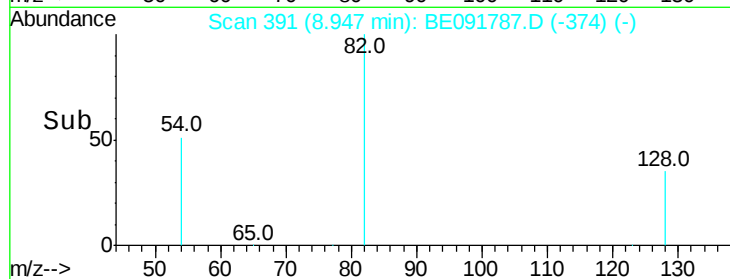
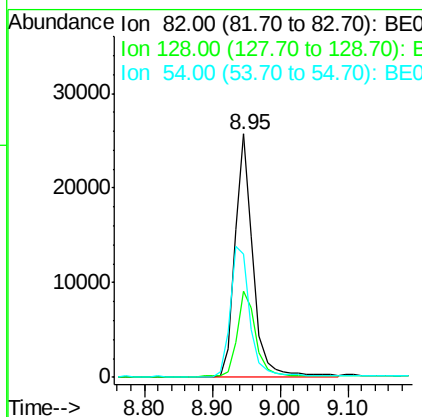
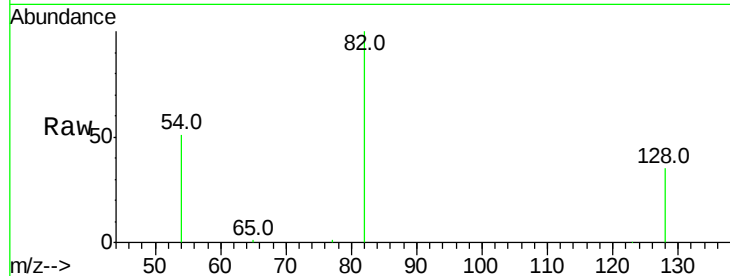
#8
 Nitrobenzene-d5
 Concen: 2.93 ng
 RT: 8.95 min Scan# 391
 Delta R.T. -0.00 min
 Lab File: BE091787.D
 Acq: 16 May 2016 23:26

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW100-160511

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.3	25.4	38.0
54	50.9	48.4	72.6

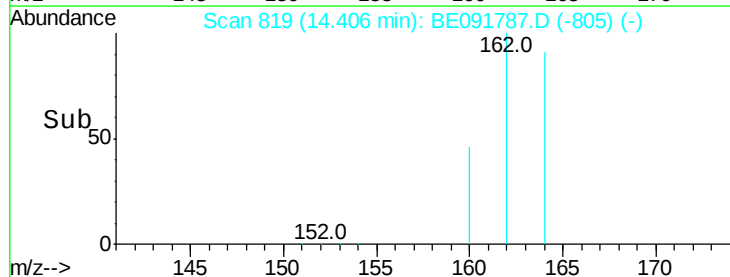
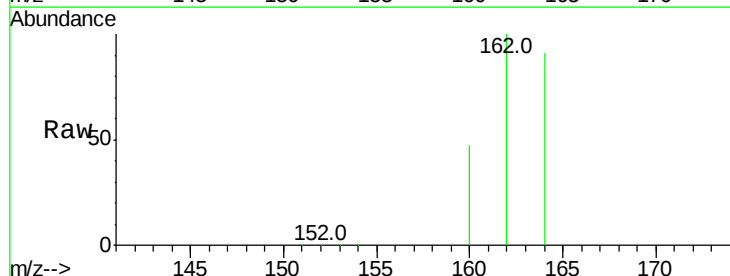
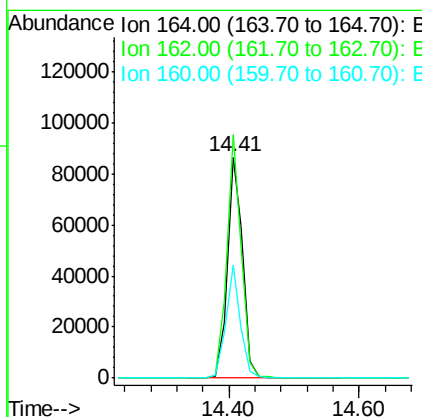
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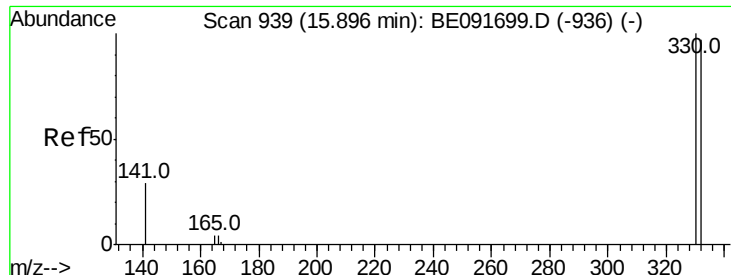
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#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.41 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BE091787.D
 Acq: 16 May 2016 23:26

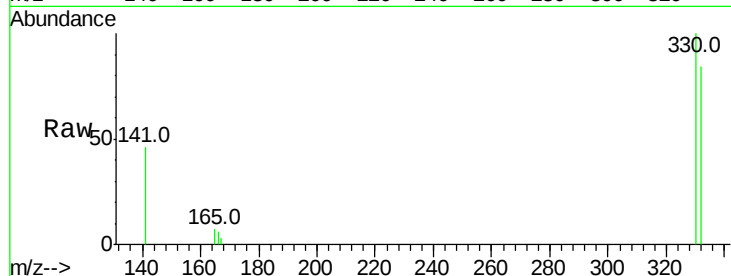
Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.1	85.3	127.9
160	51.2	46.2	69.2





#14
 2,4,6-Tribromophenol
 Concen: 7.19 ng
 RT: 15.88 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091787.D
 Acq: 16 May 2016 23:26

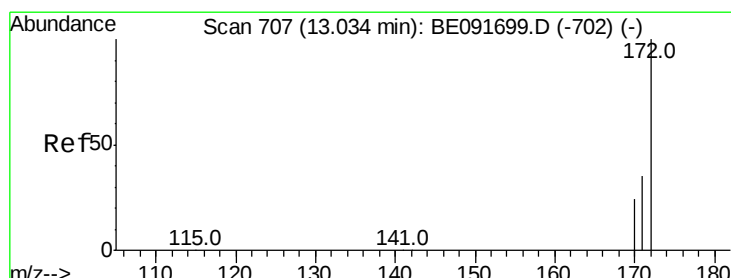
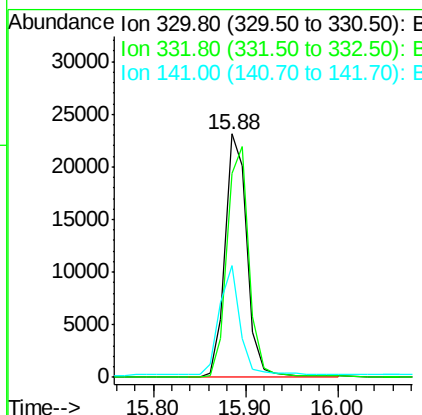
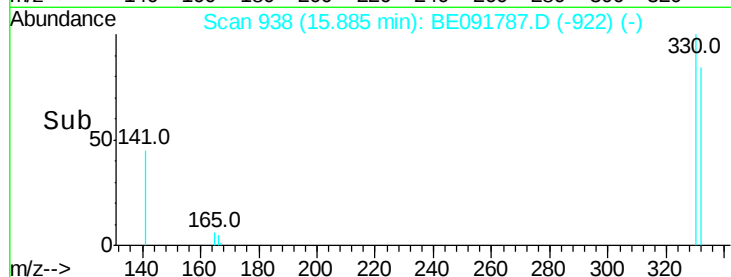
Instrument :
 BNA_E
 ClientSampleId :
 SS043MW100-160511



Tot Ion:330 Resp: 38198
 Ion Ratio Lower Upper
 330 100
 332 95.7 79.1 118.7
 141 41.8 125.4 188.0#

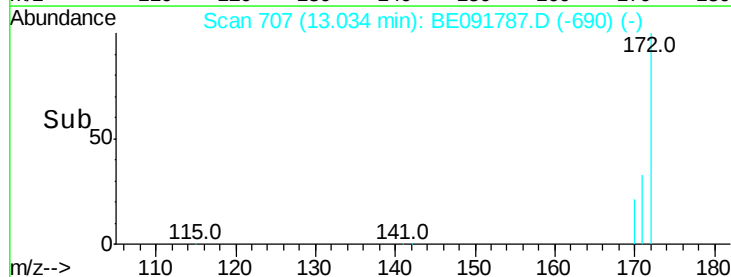
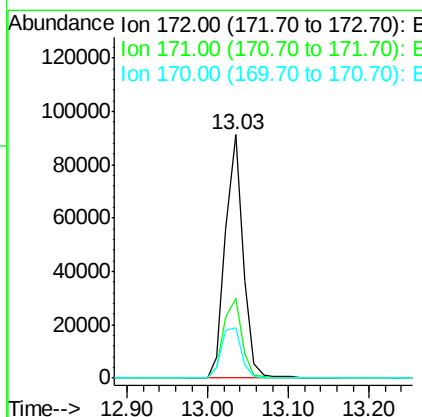
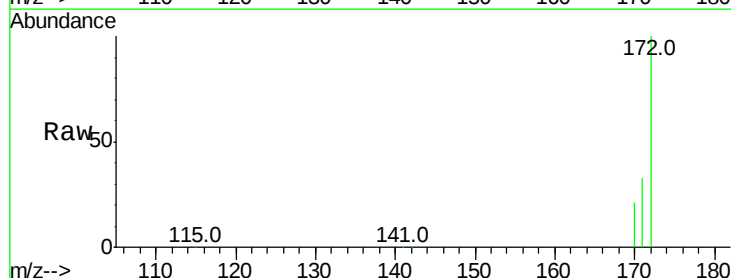
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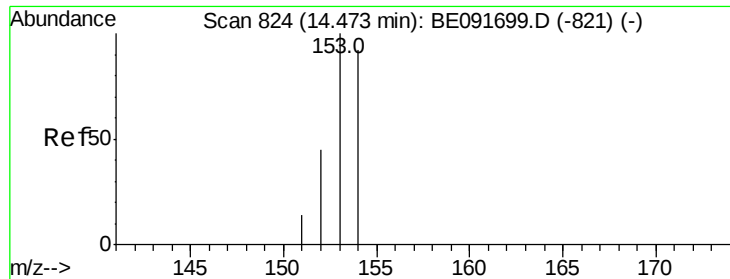
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#15
 2-Fluorobiphenyl
 Concen: 3.44 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091787.D
 Acq: 16 May 2016 23:26

Tgt Ion:172 Resp: 139254
 Ion Ratio Lower Upper
 172 100
 171 32.6 28.8 43.2
 170 20.8 19.3 28.9





#17

Acenaphthene

Concen: 0.90 ng

RT: 14.47 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

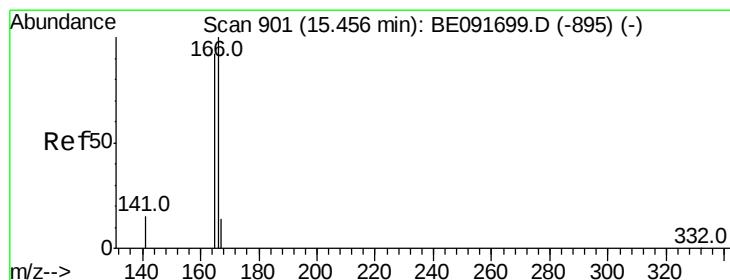
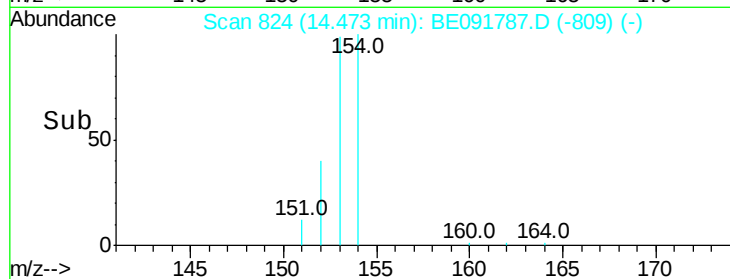
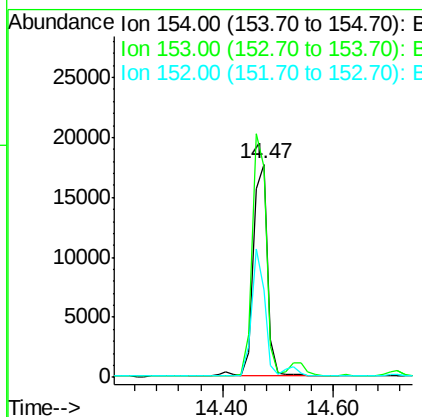
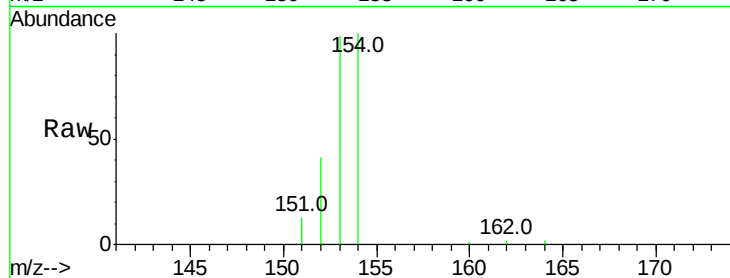
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Tot Ion:	154	Resp:	32243
Ion Ratio	Lower	Upper	
154	100		
153	110.5	80.0	120.0
152	53.1	40.0	60.0



#18

Fluorene

Concen: 0.07 ng

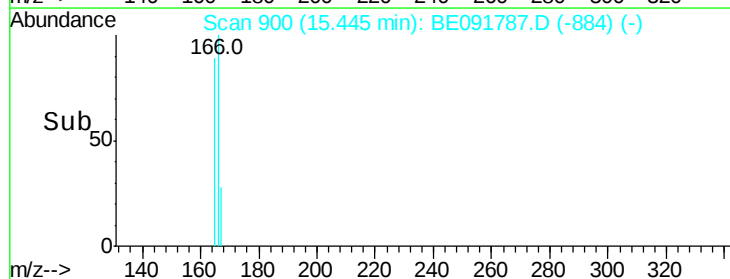
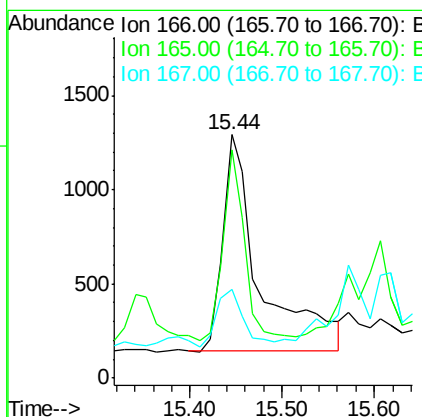
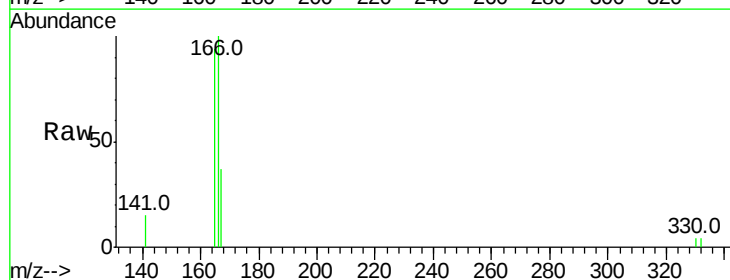
RT: 15.44 min Scan# 900

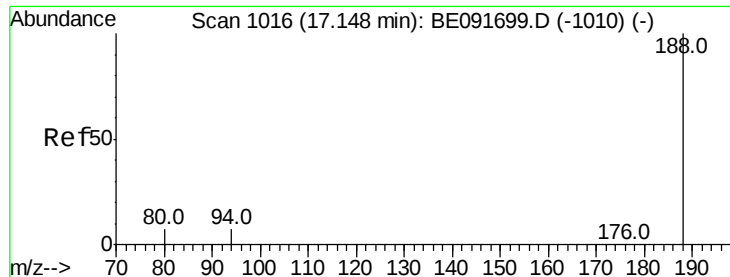
Delta R.T. -0.01 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Tgt Ion:	166	Resp:	3213
Ion Ratio	Lower	Upper	
166	100		
165	51.5	80.8	121.2#
167	19.2	10.9	16.3#





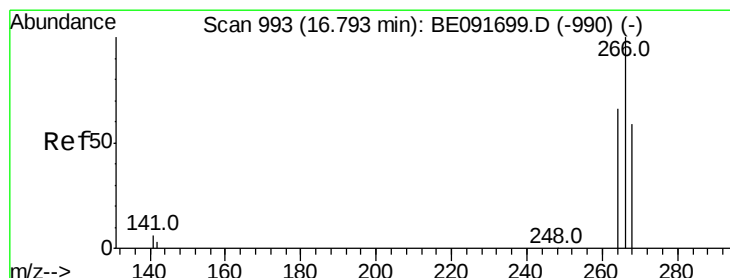
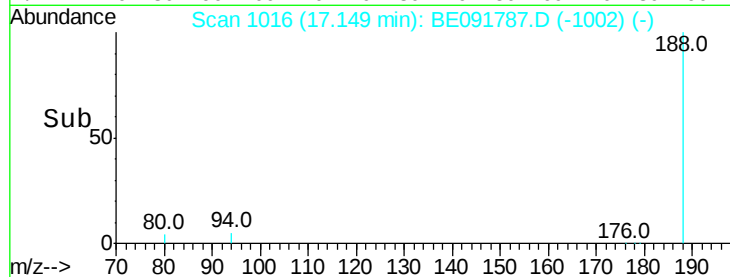
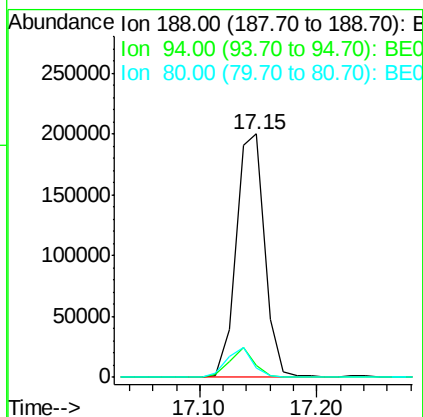
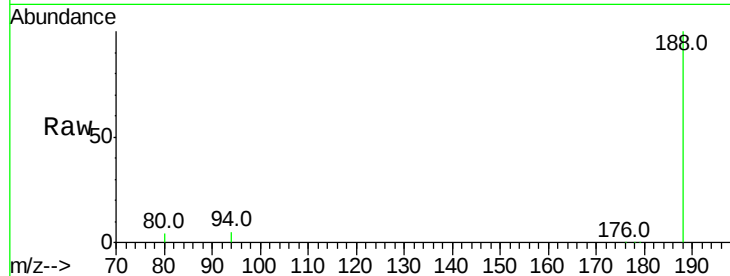
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Instrument :
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SS043MW100-160511

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	4.8	8.7	13.1#
80	3.9	9.4	14.0#

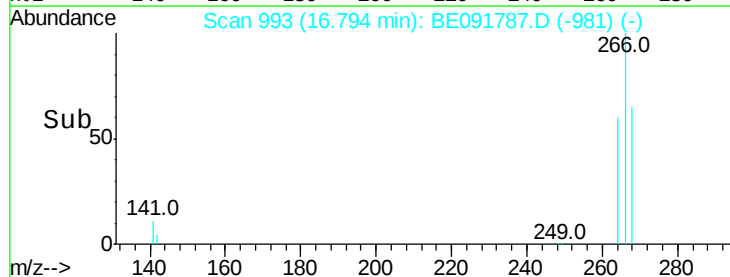
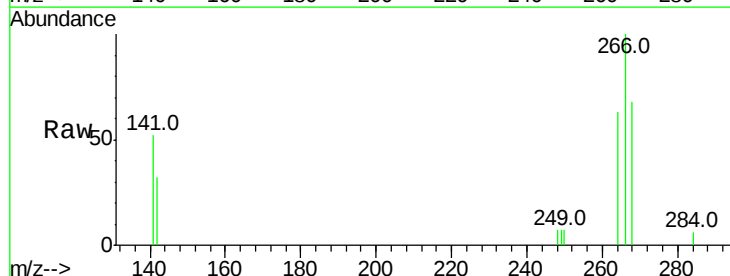
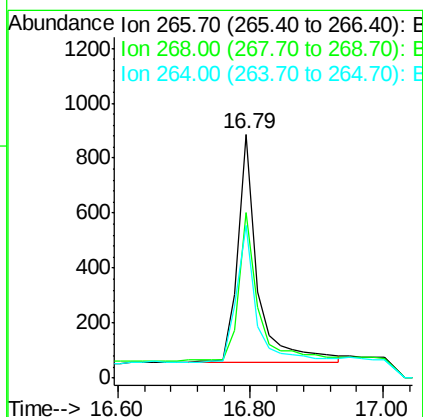
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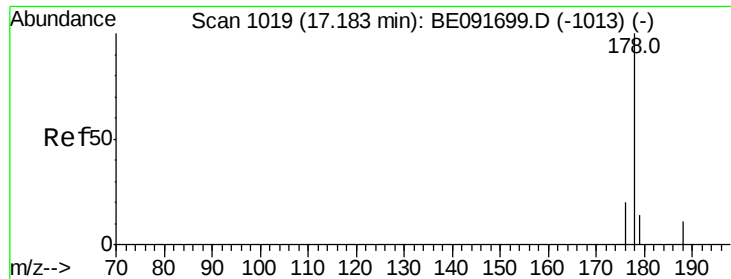
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#22
Pentachlorophenol
Concen: 0.36 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	68.1	58.2	87.2
264	62.5	56.2	84.4





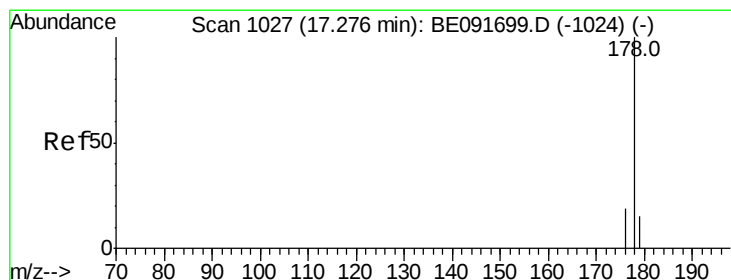
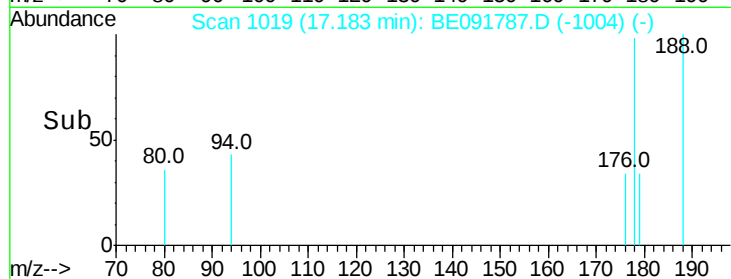
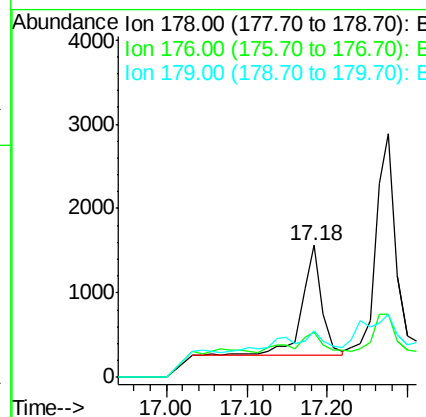
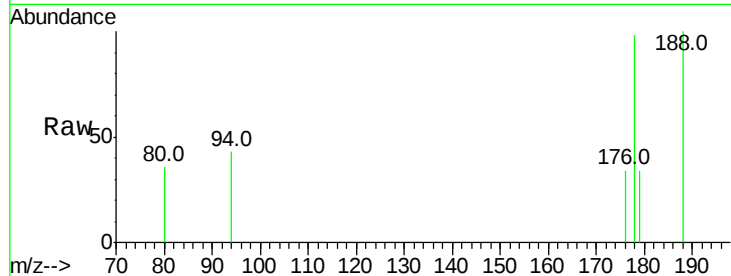
#23
Phenanthrene
Concen: 0.03 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Instrument :
BNA_E
ClientSampleId :
SS043MW100-160511

Tot Ion:178 Resp: 2192
Ion Ratio Lower Upper
178 100
176 27.4 15.3 22.9#
179 0.0 12.6 18.8#

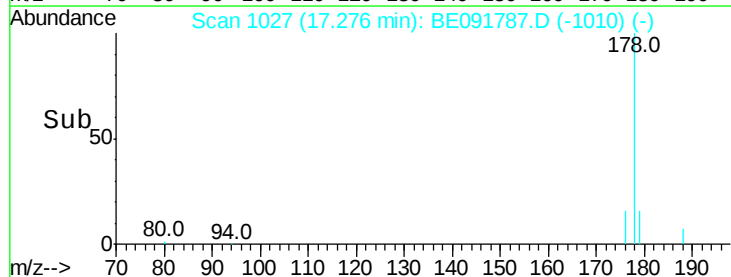
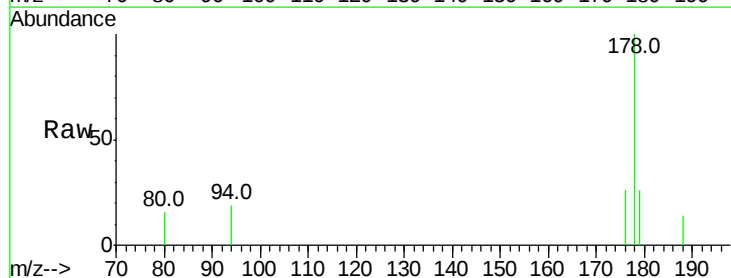
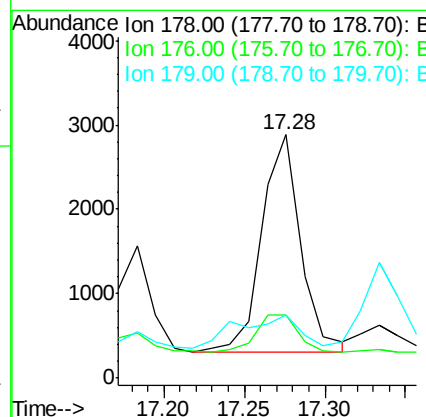
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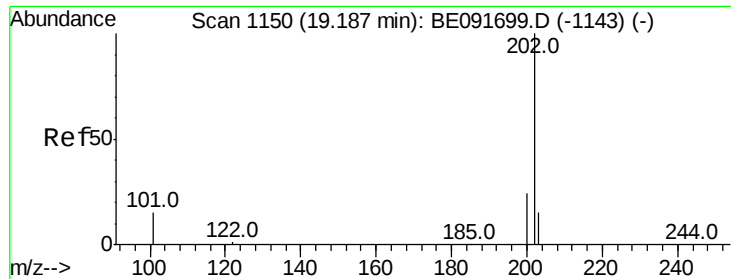
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#24
Anthracene
Concen: 0.06 ng
RT: 17.28 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Tgt Ion:178 Resp: 4382
Ion Ratio Lower Upper
178 100
176 19.8 14.6 21.8
179 23.9 11.8 17.6#





#25

Fluoranthene

Concen: 0.08 ng

RT: 19.19 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

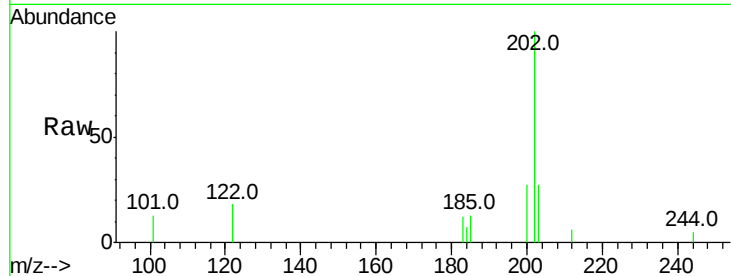
ClientSampleId :

SS043MW100-160511

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	11.0	16.6#
203	17.6	13.9	20.9

Manual Integrations
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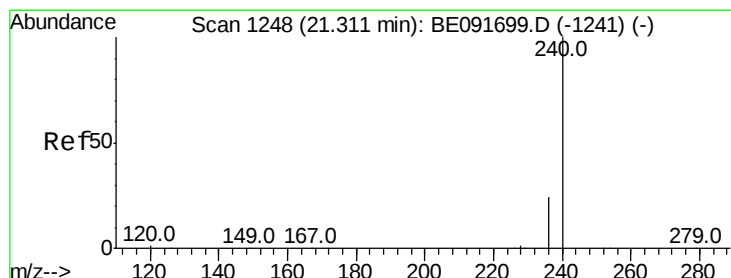
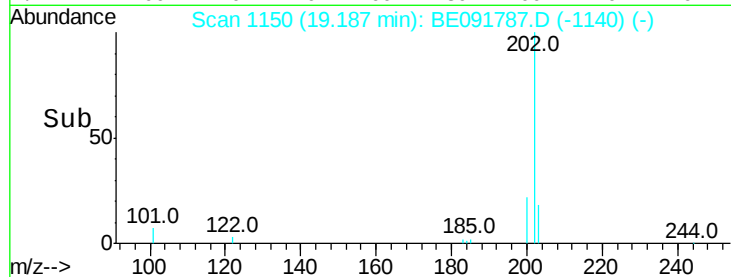
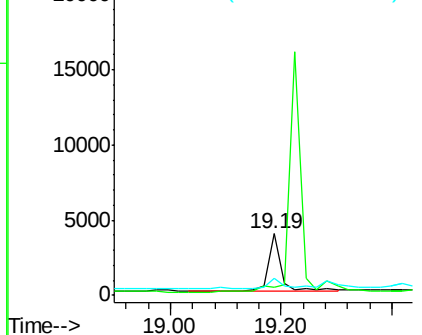
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

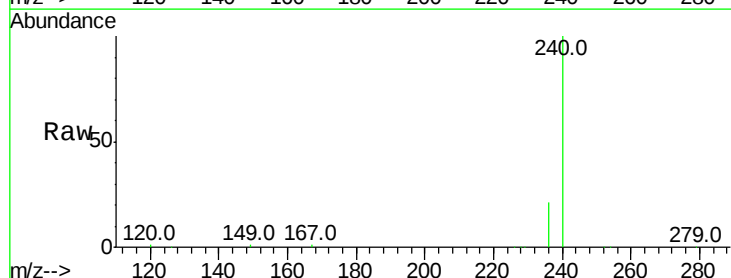
RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

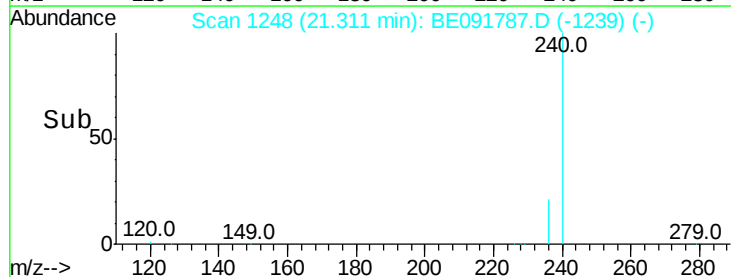
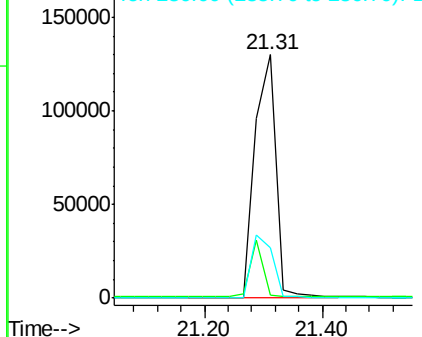
Tgt Ion	Ratio	Lower	Upper
240	100		
120	1.1	11.0	16.4#
236	20.7	21.7	32.5#

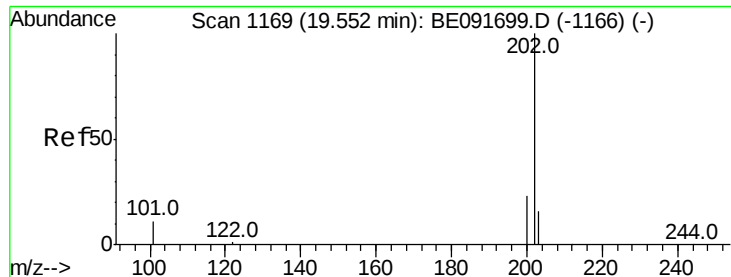


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





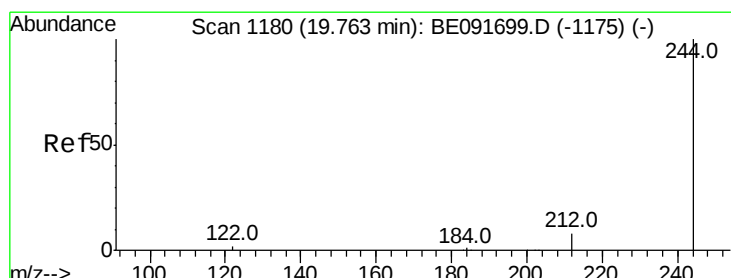
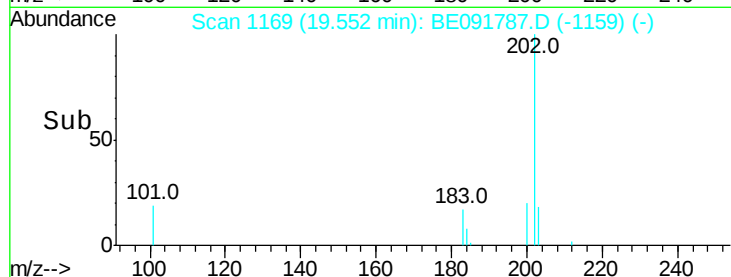
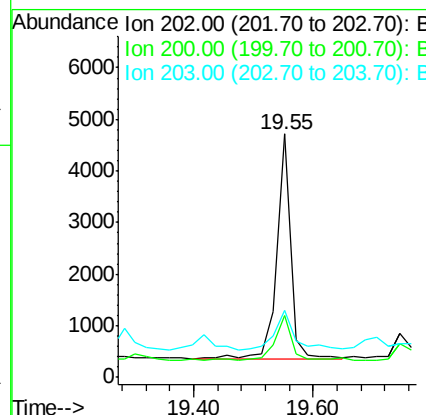
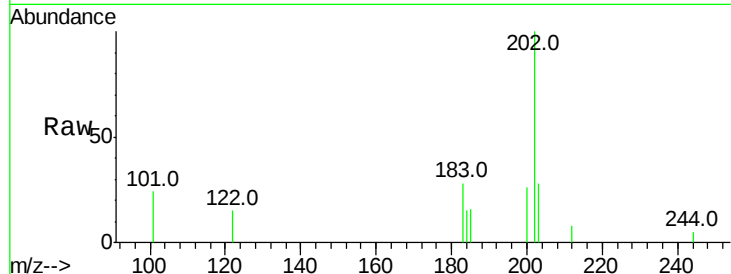
#28
Pvrene
Concen: 0.10 ng
RT: 19.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Instrument :
BNA_E
ClientSampleId :
SS043MW100-160511

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	25.1	16.8	25.2
203	24.5	14.0	21.0

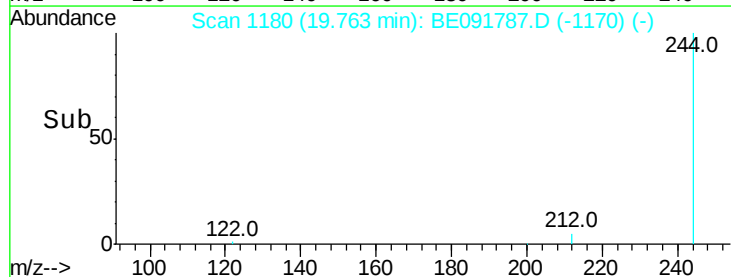
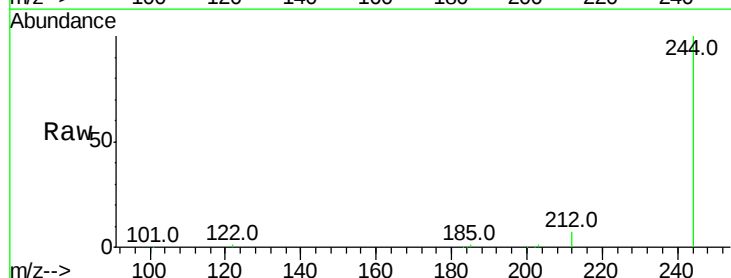
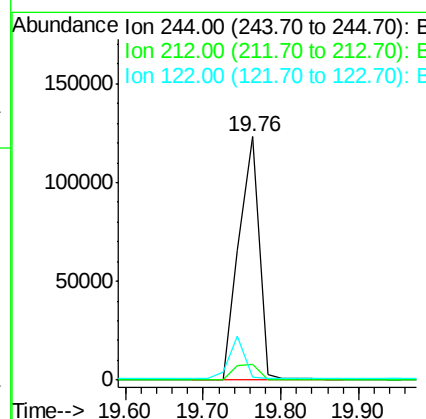
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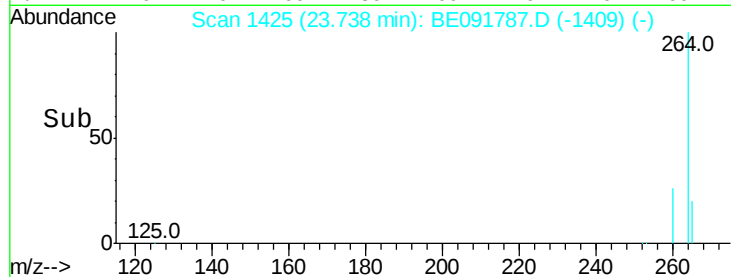
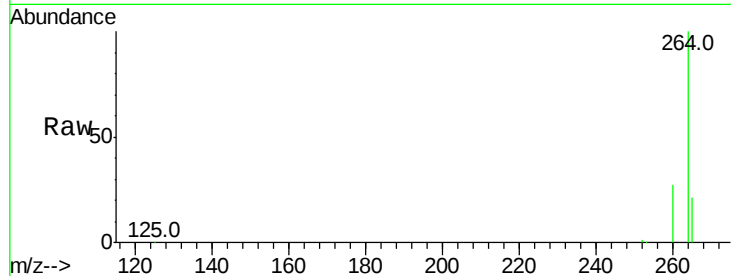
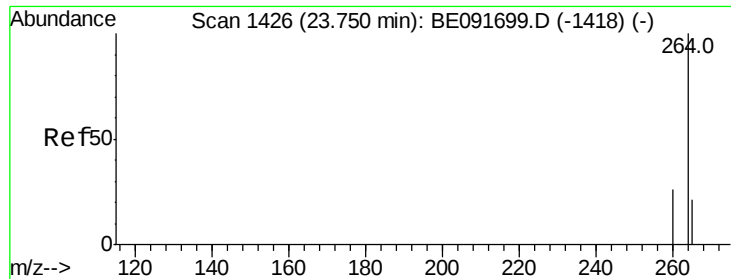
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#29
Terphenyl-d14
Concen: 4.43 ng
RT: 19.76 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	6.9	10.3
122	1.1	11.0	16.4





#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.74 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BE091787.D
 Acq: 16 May 2016 23:26

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW100-160511

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	26.5	20.0	30.0
265	20.8	17.5	26.3

Manual Integrations
 APPROVED

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