

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050316\
 Data File : BE091749.D
 Acq On : 3 May 2016 18:36
 Operator : UM/SJ
 Sample : H2807-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NC-HC-007

Manual Integrations
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Quant Time: May 04 01:39:26 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	52190	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	243786	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	142574	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	325494	5.00	ng	0.00
26) Chrysene-d12	21.31	240	307768	5.00	ng	0.00
35) Perylene-d12	23.75	264	327667	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	114705	8.95	ng	0.00
5) Phenol-d6	6.95	99	168925	9.94	ng	0.00
8) Nitrobenzene-d5	8.95	82	71229	4.53	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	40288	7.60	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	183493	4.55	ng	0.00
29) Terphenyl-d14	19.76	244	261662	5.45	ng	0.00
Target Compounds						Qvalue
16) Acenaphthylene	14.12	152	3514	0.06	ng	# 78
17) Acenaphthene	14.47	154	767	0.02	ng	# 80
18) Fluorene	15.46	166	1236	0.03	ng	# 95
22) Pentachlorophenol	16.79	266	1448	0.32	ng	92
23) Phenanthrene	17.18	178	26549	0.36	ng	98
24) Anthracene	17.27	178	7397	0.11	ng	100
25) Fluoranthene	19.19	202	69177	0.89	ng	# 96
28) Pyrene	19.55	202	68601	0.99	ng	# 94
30) Benzo(a)anthracene	21.29	228	46579m	0.62	ng	
32) Chrysene	21.33	228	42251m	0.54	ng	
33) Bis(2-ethylhexyl)phthalate	21.20	149	12101	0.53	ng	# 87
34) Indeno(1,2,3-cd)pyrene	26.29	276	24580	0.35	ng	# 93
36) Benzo(b)fluoranthene	23.00	252	49455m	0.64	ng	
37) Benzo(k)fluoranthene	23.03	252	21741m	0.28	ng	
38) Benzo(a)pyrene	23.63	252	34960	0.48	ng	# 83
40) Benzo(g,h,i)perylene	27.09	276	29588	0.42	ng	# 92

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

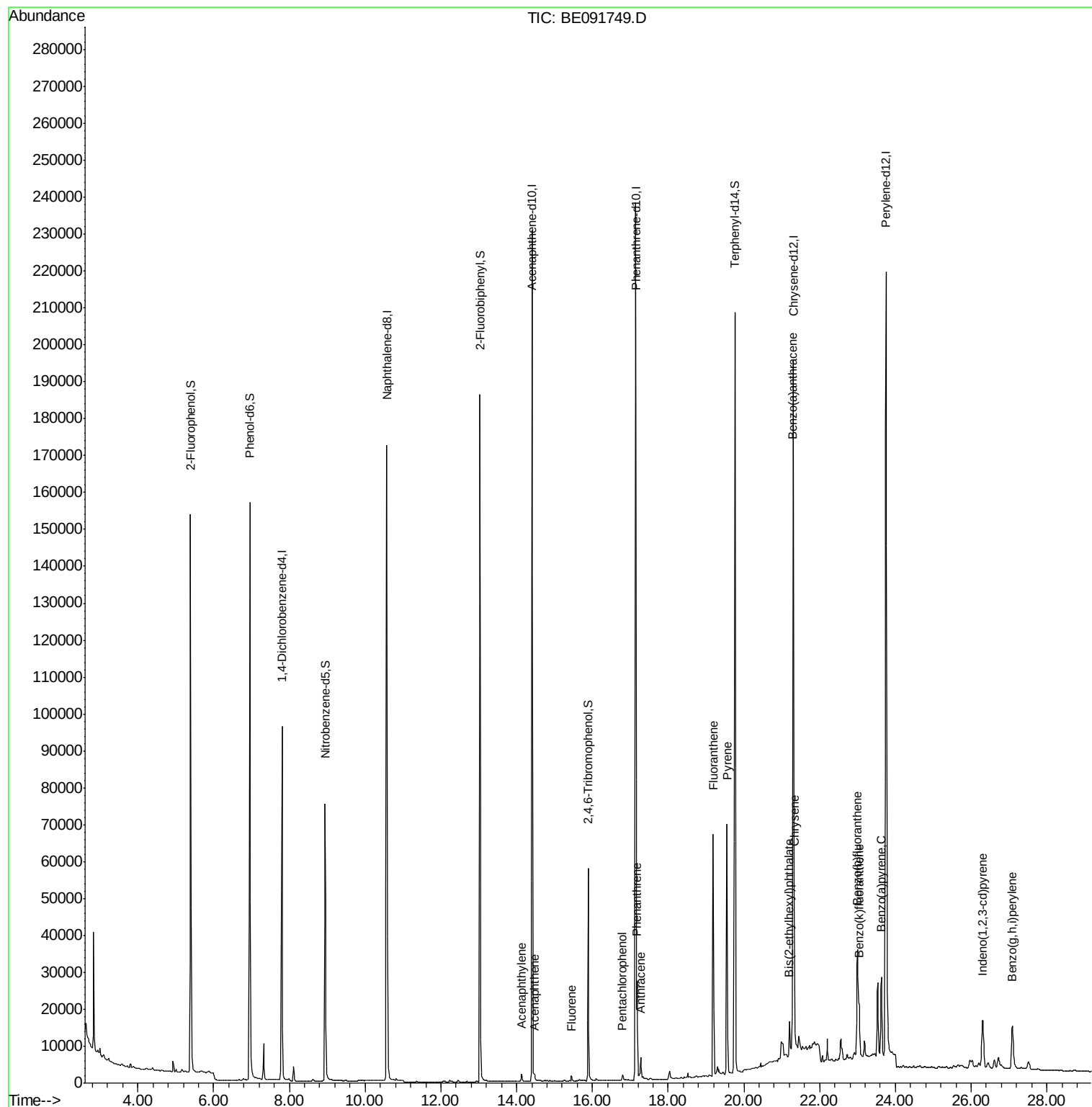
Data Path : Z:\HPCHEM1\BNA E\DATA\BE050316\
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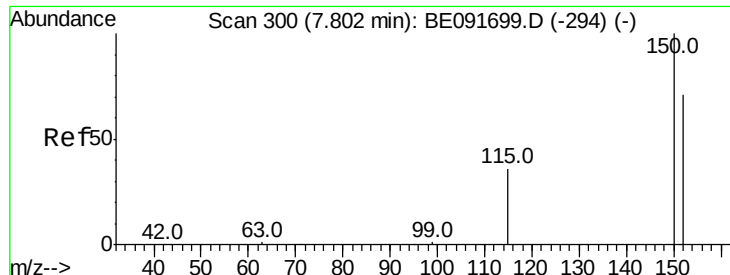
Instrument :
BNA_E
ClientSampleID :
NC-HC-007

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. 0.00 min

Lab File: BE091749.D

Acq: 3 May 2016 18:36

Instrument :

BNA_E

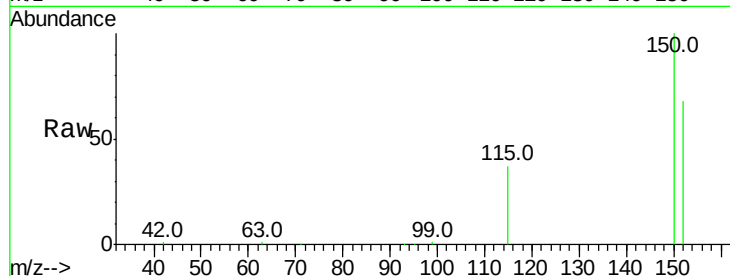
ClientSampleId :

NC-HC-007

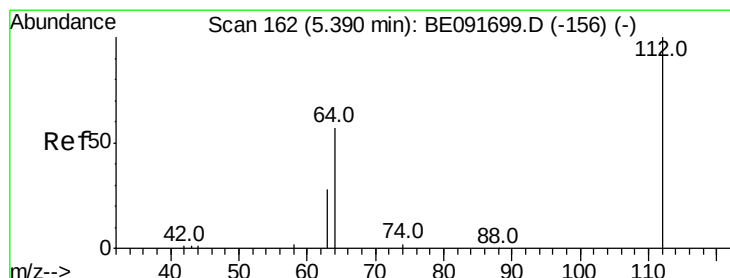
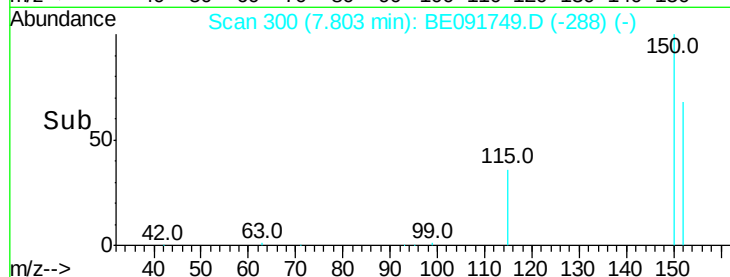
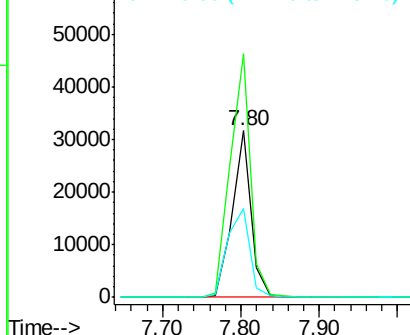
Tot Ion:	152	Resp:	52190
Ion	Ratio	Lower	Upper
152	100		
150	146.0	122.6	183.8
115	53.3	52.8	79.2

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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



#4

2-Fluorophenol

Concen: 8.95 ng

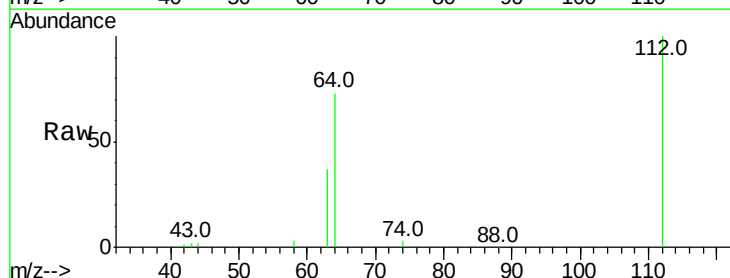
RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

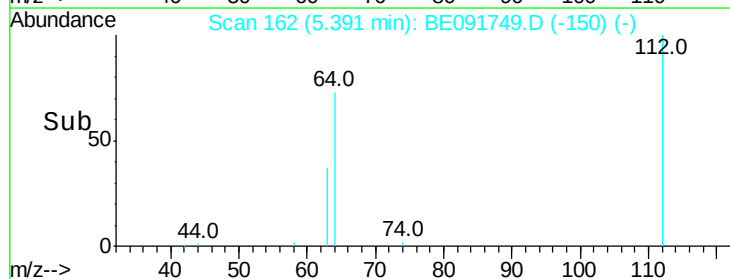
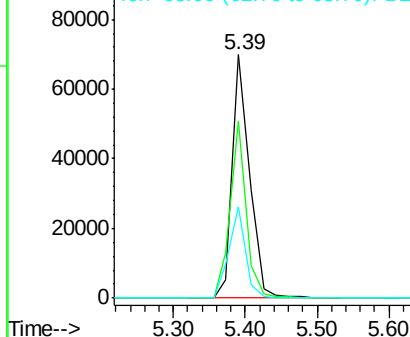
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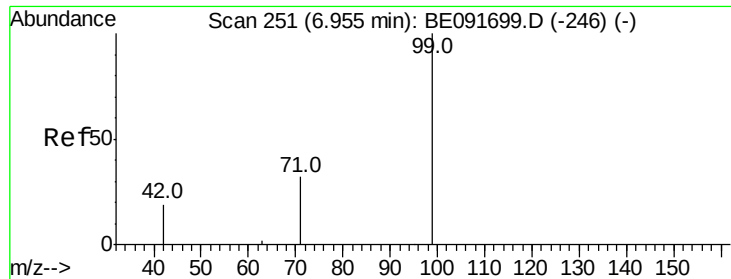
Acq: 3 May 2016 18:36

Tgt Ion:	112	Resp:	114705
Ion	Ratio	Lower	Upper
112	100		
64	67.7	30.9	46.3#
63	36.7	16.7	25.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 9.94 ng

RT: 6.95 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091749.D

Acq: 3 May 2016 18:36

Instrument :

BNA_E

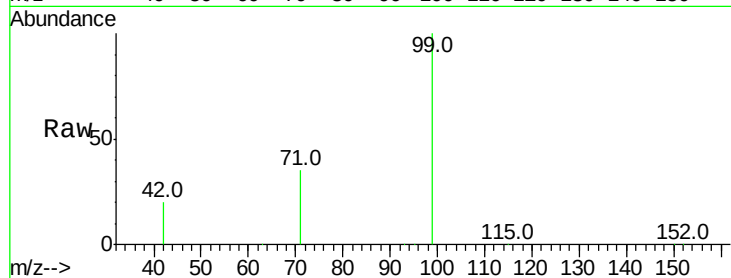
ClientSampled :

NC-HC-007

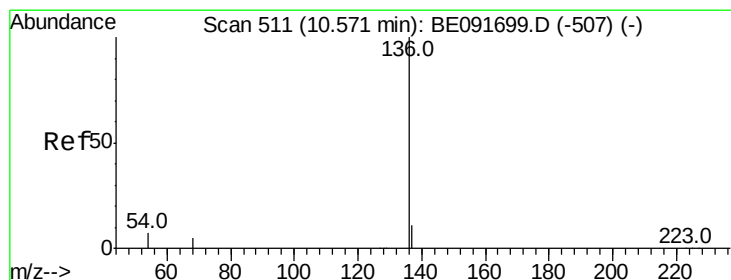
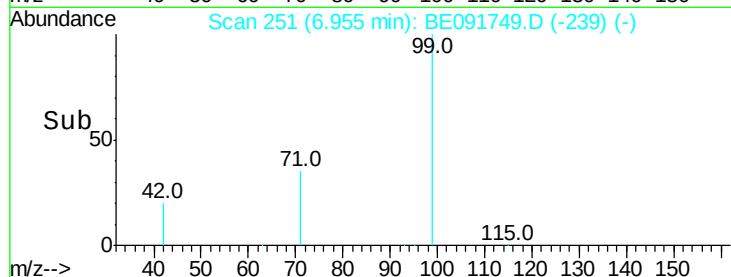
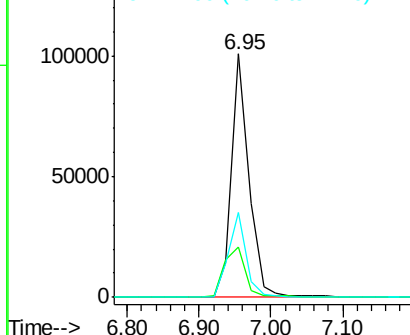
Tot Ion:	99	Resp:	168925
Ion Ratio	Lower	Upper	
99	100		
42	24.7	16.2	24.2#
71	35.5	29.0	43.4

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

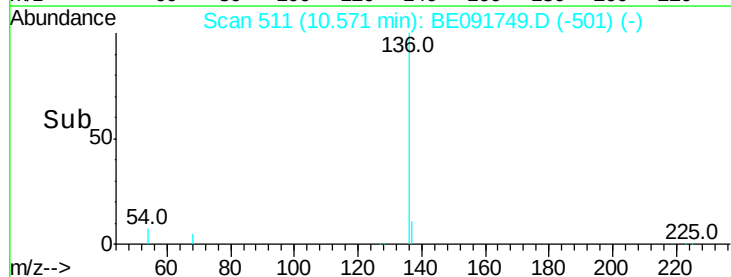
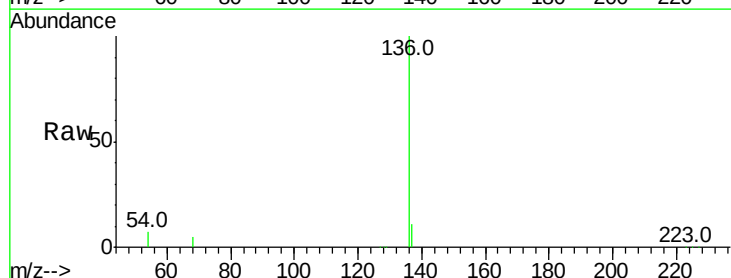
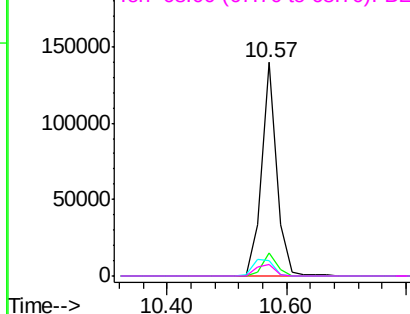
Delta R.T. -0.00 min

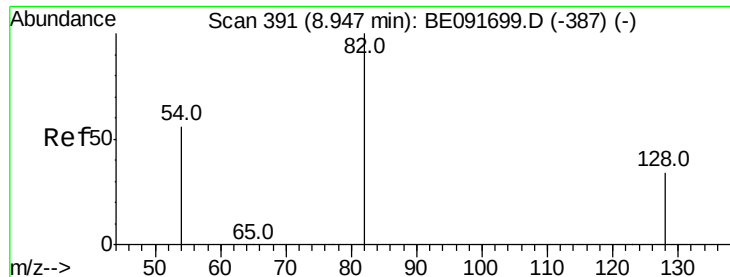
Lab File: BE091749.D

Acq: 3 May 2016 18:36

Tgt Ion:	136	Resp:	243786
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.2	8.2	12.4#
68	5.3	6.2	9.4#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





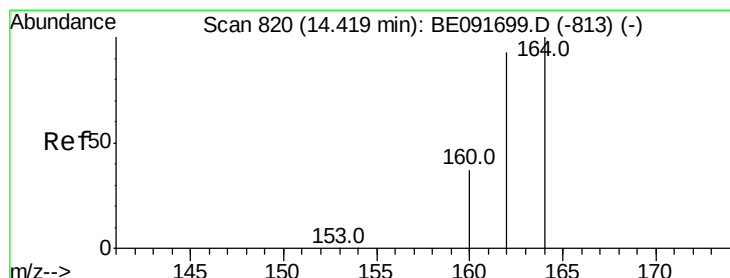
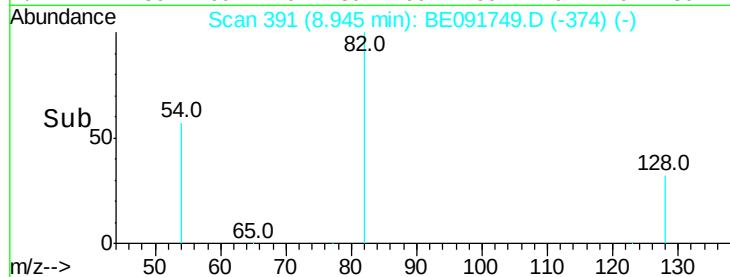
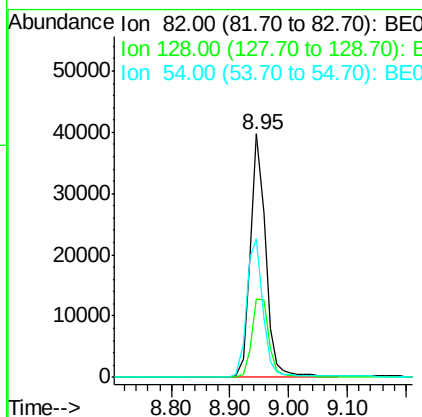
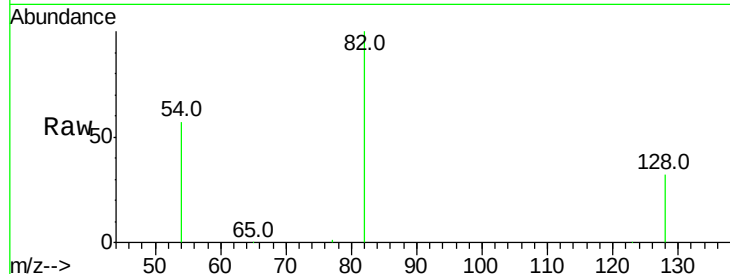
#8
 Nitrobenzene-d5
 Concen: 4.53 ng
 RT: 8.95 min Scan# 391
 Delta R.T. -0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Instrument :
 BNA_E
 ClientSampleId :
 NC-HC-007

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.5	25.4	38.0
54	57.1	48.4	72.6

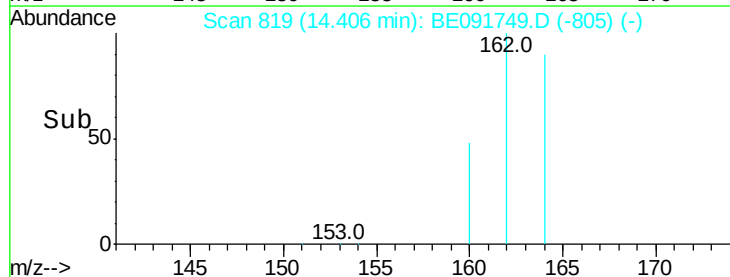
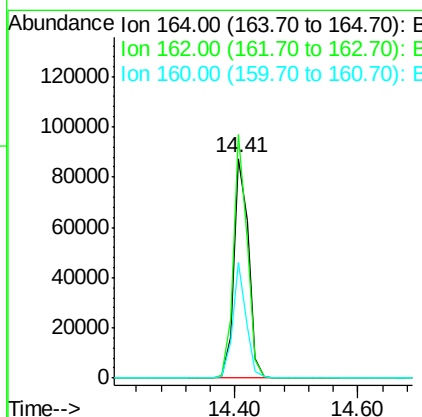
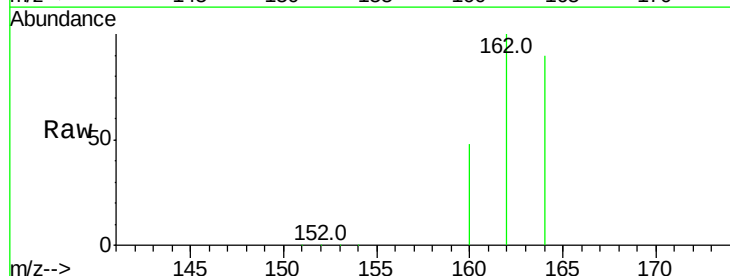
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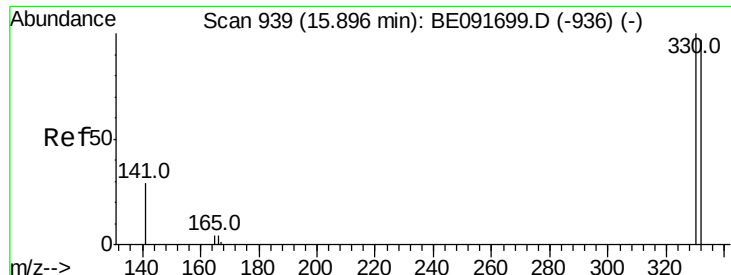
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#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.41 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.0	85.3	127.9
160	52.8	46.2	69.2





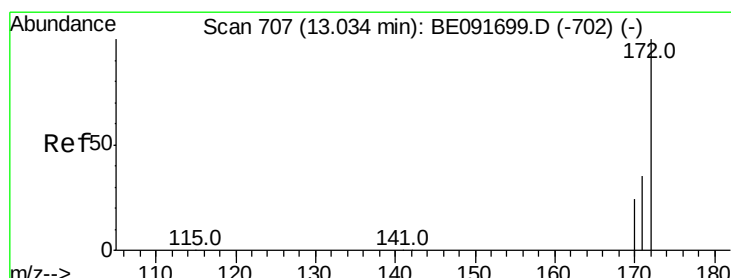
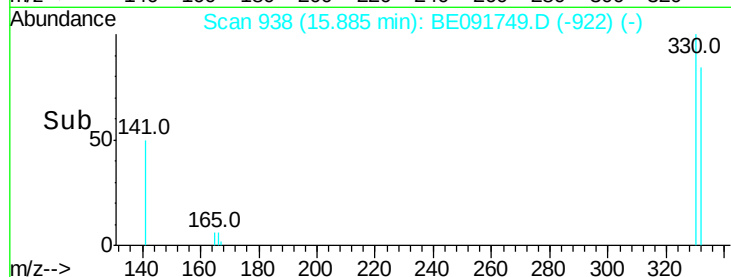
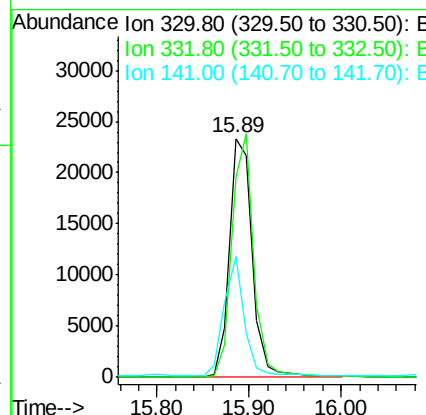
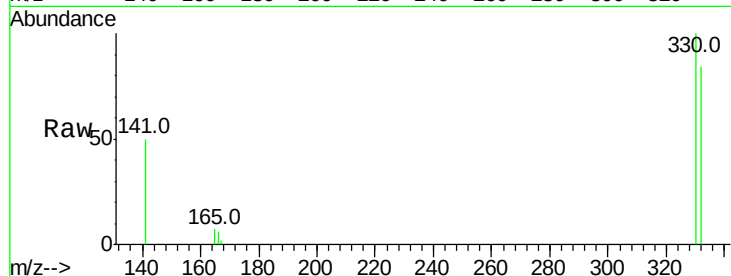
#14
 2,4,6-Tribromophenol
 Concen: 7.60 ng
 RT: 15.89 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Instrument :
 BNA_E
 ClientSampleId :
 NC-HC-007

Tot Ion:330 Resp: 40288
 Ion Ratio Lower Upper
 330 100
 332 97.2 79.1 118.7
 141 44.2 125.4 188.0#

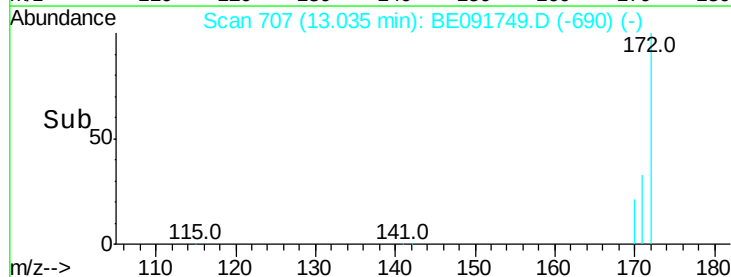
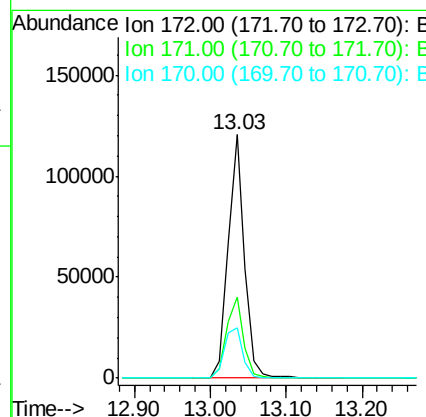
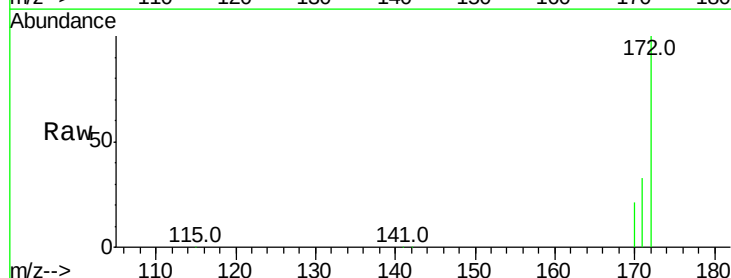
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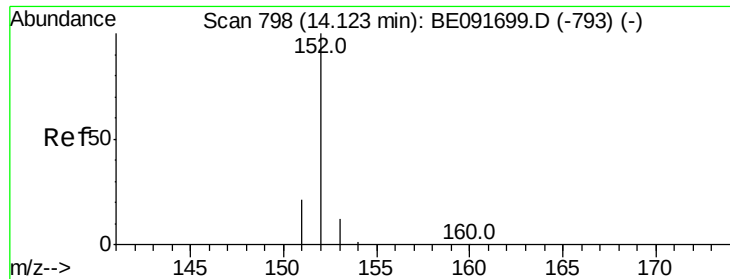
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#15
 2-Fluorobiphenyl
 Concen: 4.55 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Tgt Ion:172 Resp: 183493
 Ion Ratio Lower Upper
 172 100
 171 33.2 28.8 43.2
 170 20.9 19.3 28.9





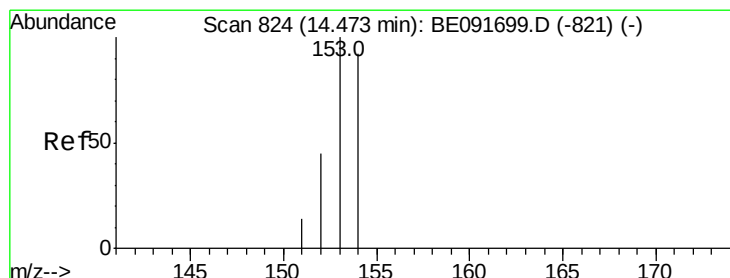
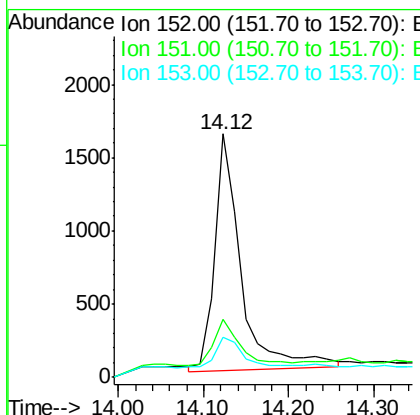
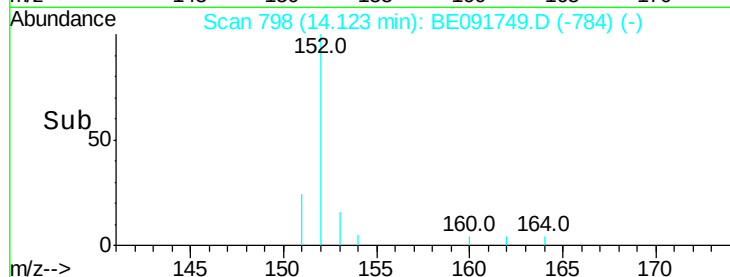
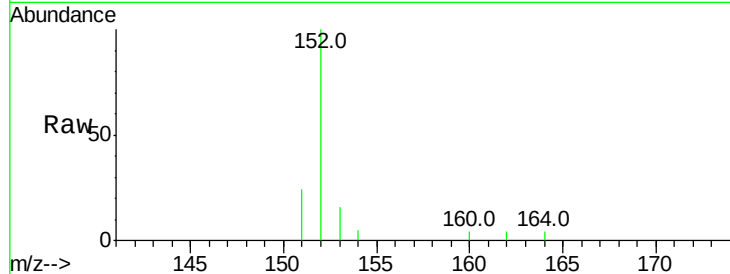
#16
Acenaphthylene
Concen: 0.06 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Instrument :
BNA_E
ClientSampleId :
NC-HC-007

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.4	3.9	5.9#
153	16.7	10.3	15.5#

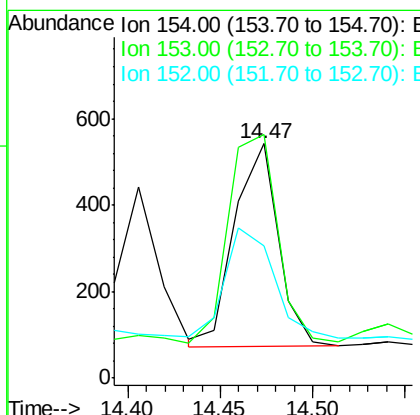
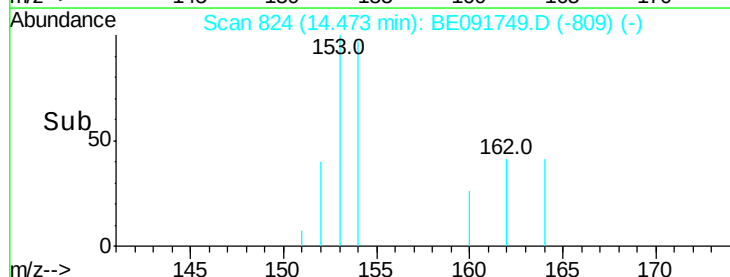
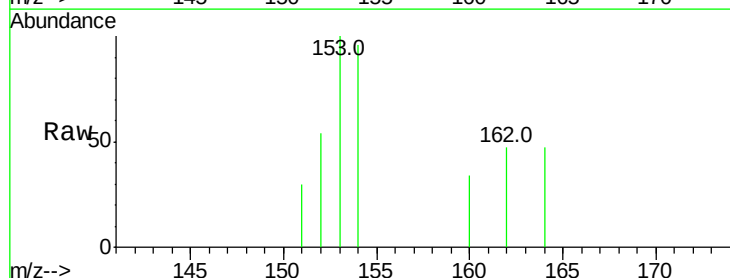
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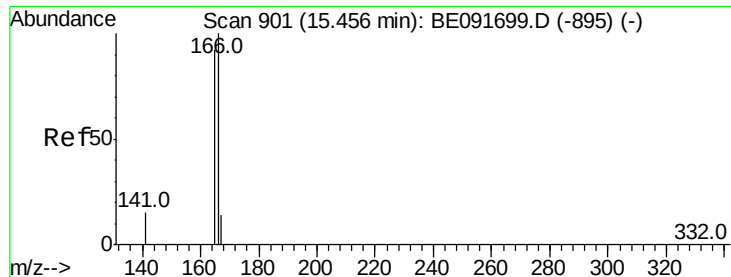
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#17
Acenaphthene
Concen: 0.02 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.4	80.0	120.0
152	65.2	40.0	60.0#





#18

Fluorene

Concen: 0.03 ng

RT: 15.46 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE091749.D

Acq: 3 May 2016 18:36

Instrument :

BNA_E

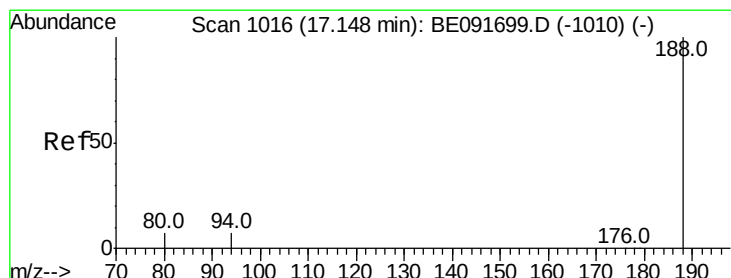
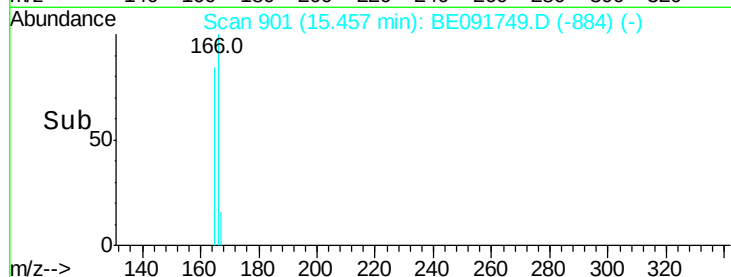
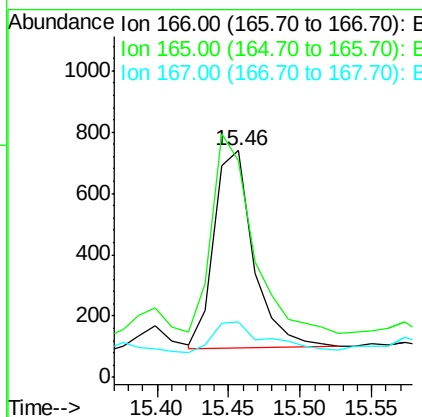
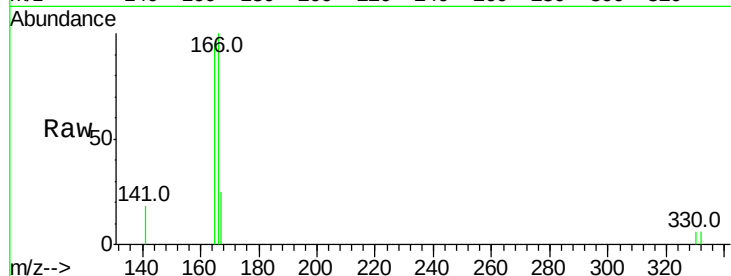
ClientSampled :

NC-HC-007

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.4	80.8	121.2
167	21.8	10.9	16.3#

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#19

Phenanthrene-d10

Concen: 5.00 ng

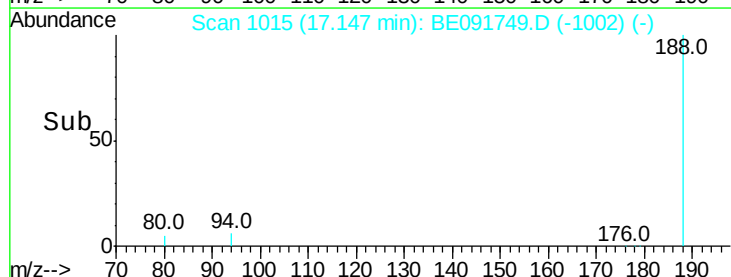
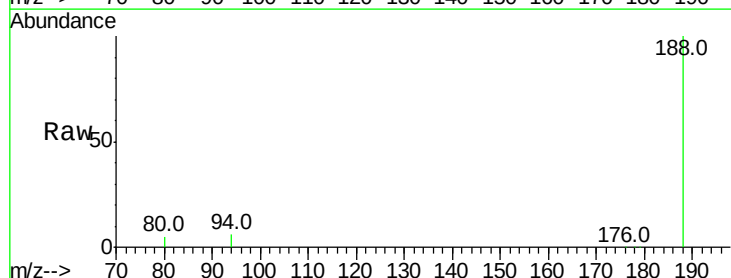
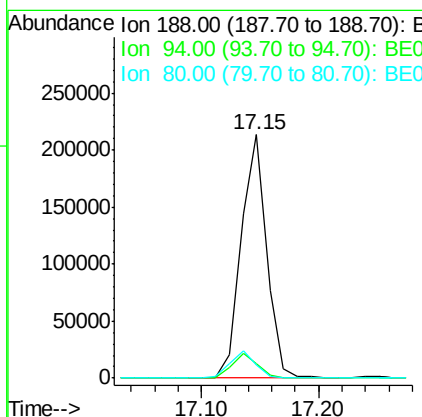
RT: 17.15 min Scan# 1015

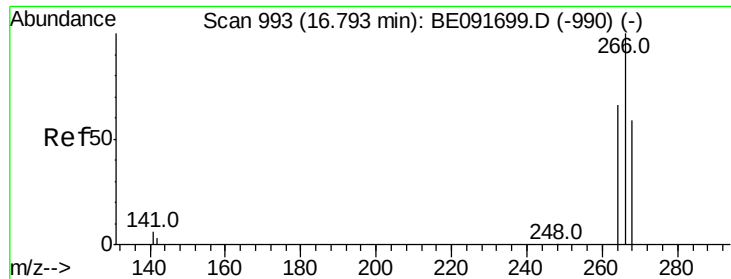
Delta R.T. -0.00 min

Lab File: BE091749.D

Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	8.7	13.1#
80	5.3	9.4	14.0#





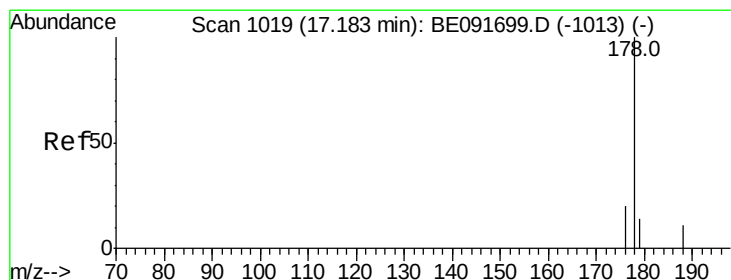
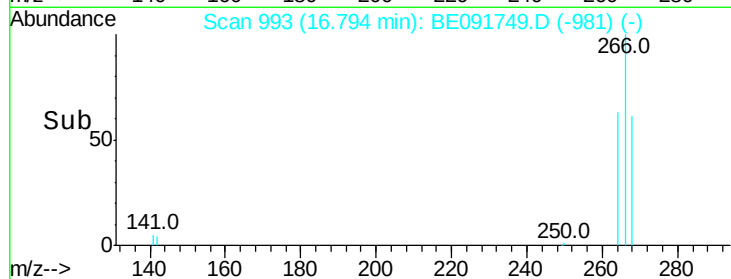
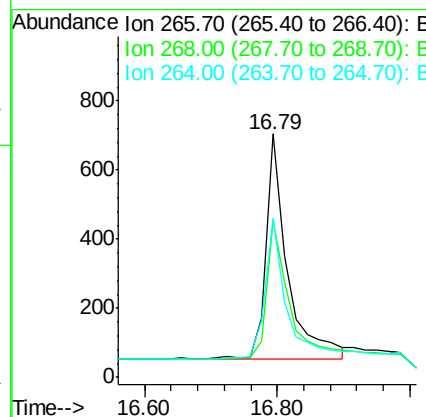
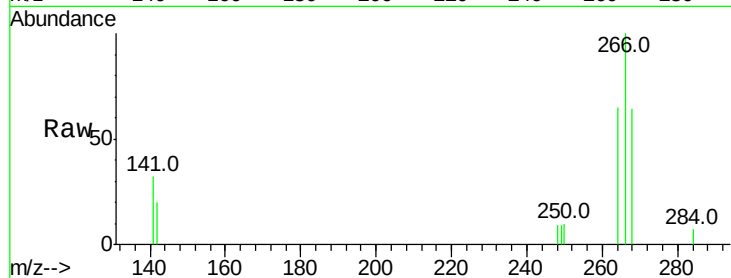
#22
 Pentachlorophenol
 Concen: 0.32 ng
 RT: 16.79 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Instrument :
 BNA_E
 ClientSampleId :
 NC-HC-007

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.3	58.2	87.2
264	65.2	56.2	84.4

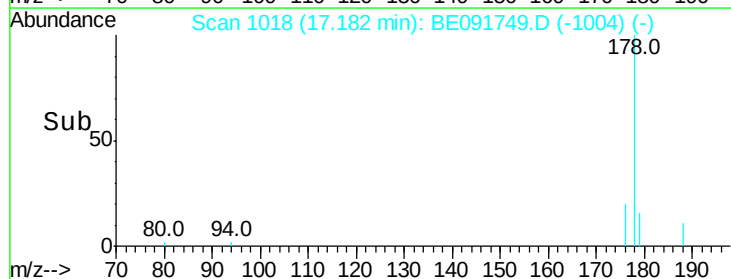
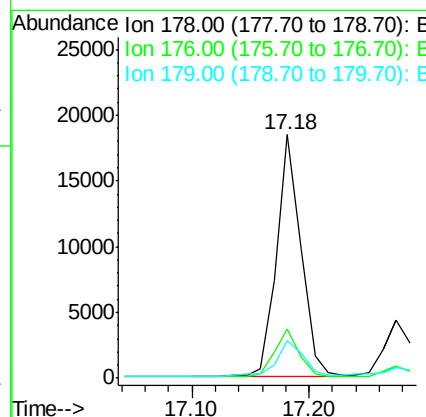
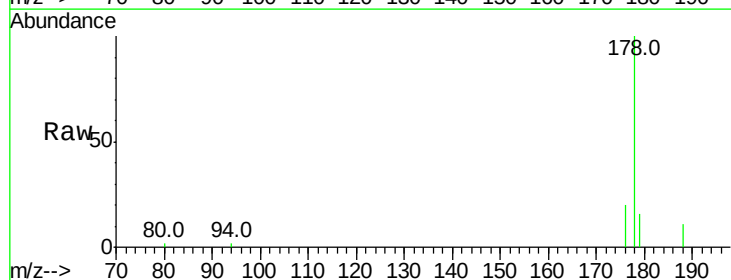
Manual Integrations
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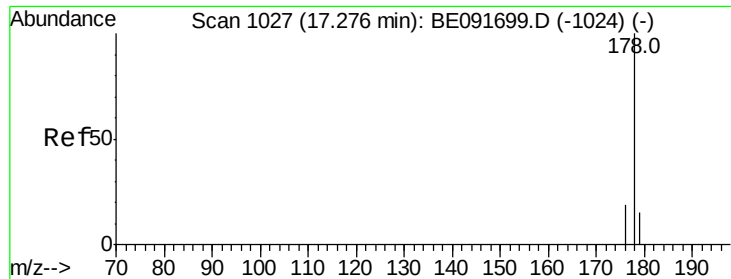
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#23
 Phenanthrene
 Concen: 0.36 ng
 RT: 17.18 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.7	12.6	18.8





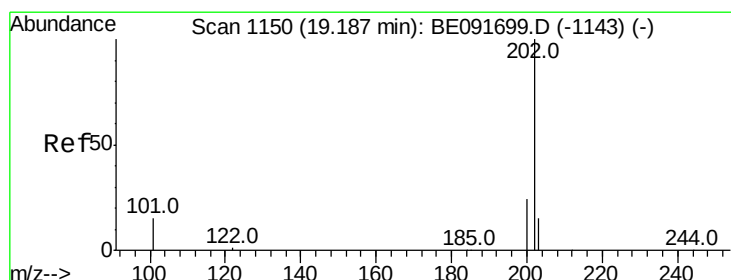
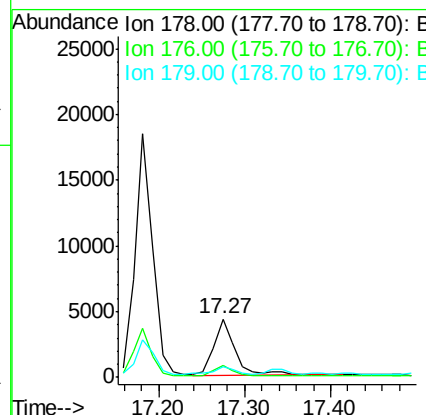
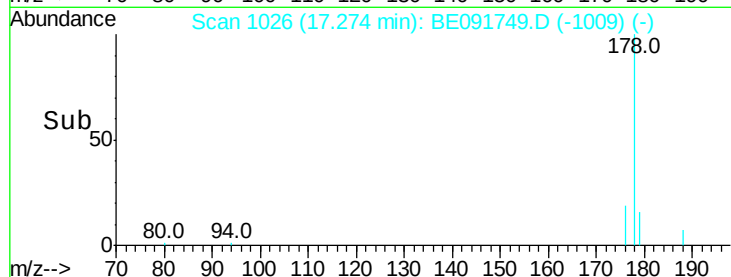
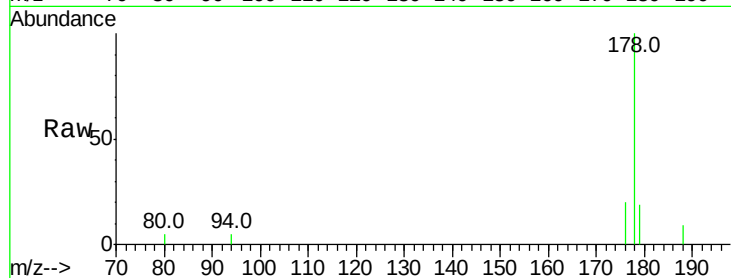
#24
 Anthracene
 Concen: 0.11 ng
 RT: 17.27 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Instrument :
 BNA_E
 ClientSampleId :
 NC-HC-007

Tot Ion:178 Resp: 7397
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 21.8
 179 14.8 11.8 17.6

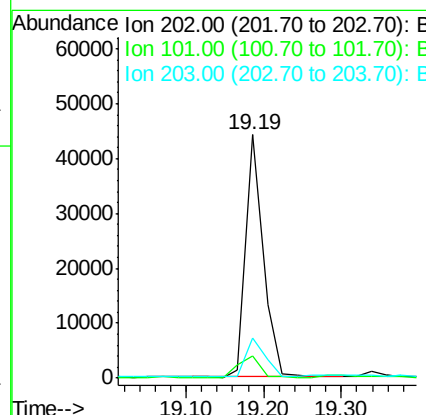
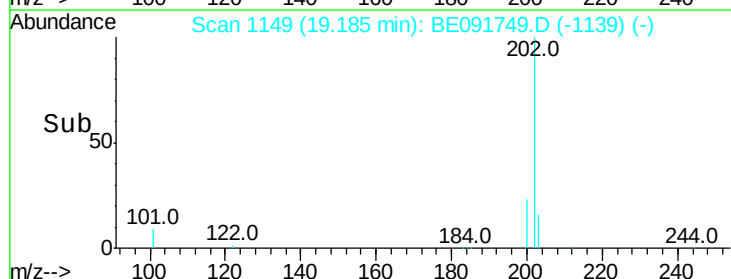
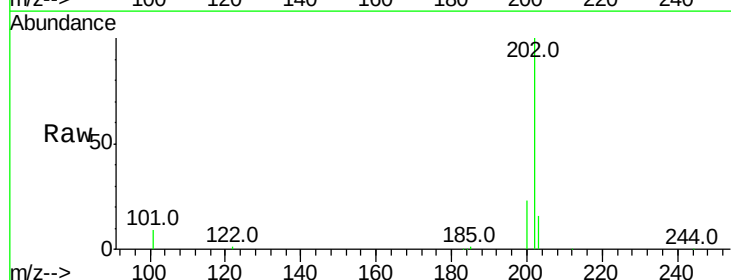
Manual Integrations
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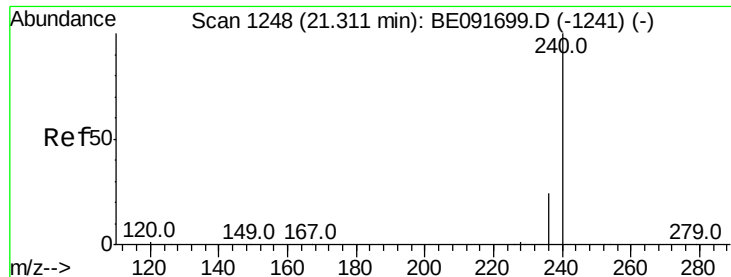
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#25
 Fluoranthene
 Concen: 0.89 ng
 RT: 19.19 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Tgt Ion:202 Resp: 69177
 Ion Ratio Lower Upper
 202 100
 101 10.7 11.0 16.6#
 203 17.2 13.9 20.9





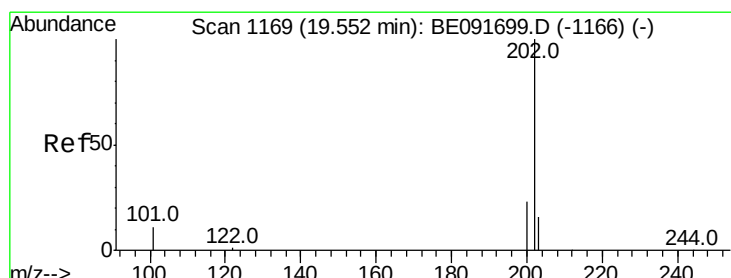
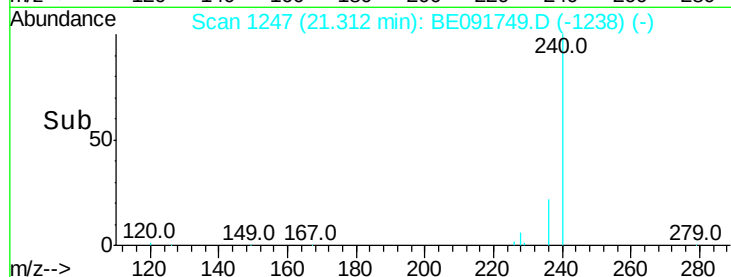
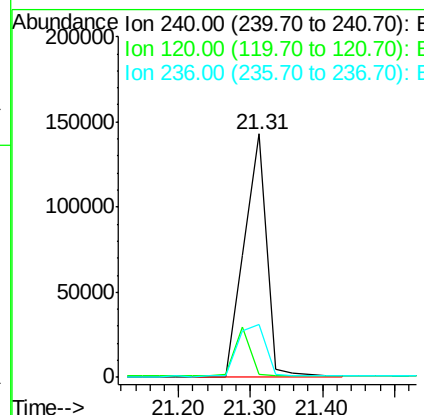
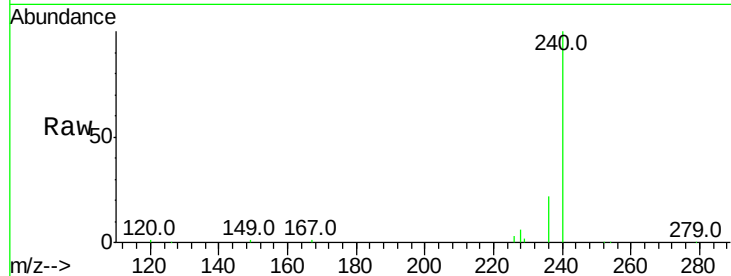
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Instrument :
BNA_E
ClientSampleId :
NC-HC-007

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	1.3	11.0	16.4#	
236	21.9	21.7	32.5	

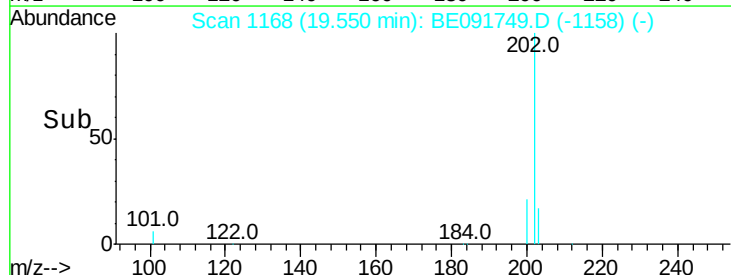
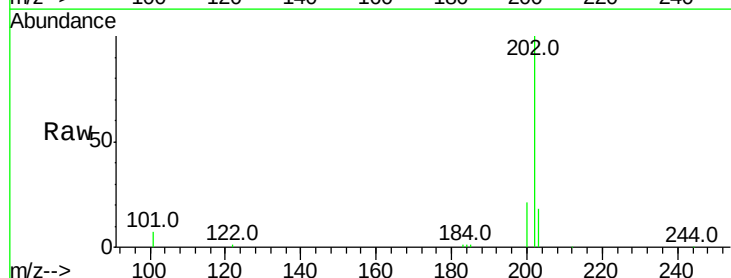
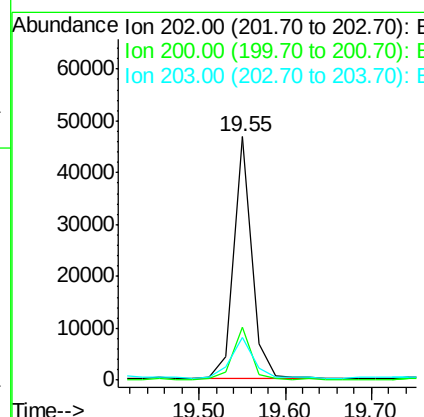
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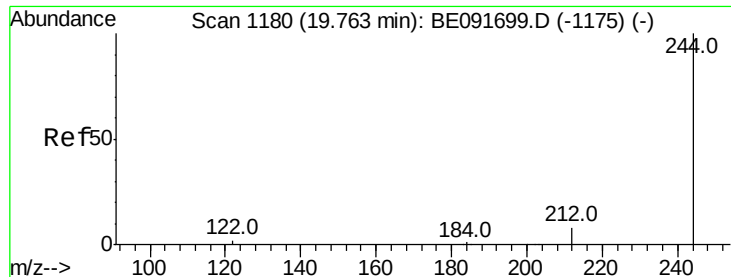
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#28
Pyrene
Concen: 0.99 ng
RT: 19.55 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.4	16.8	25.2	
203	22.5	14.0	21.0#	





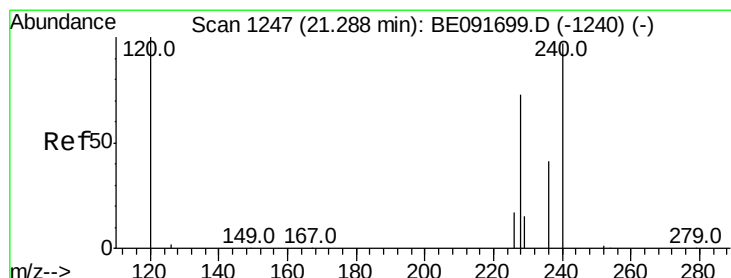
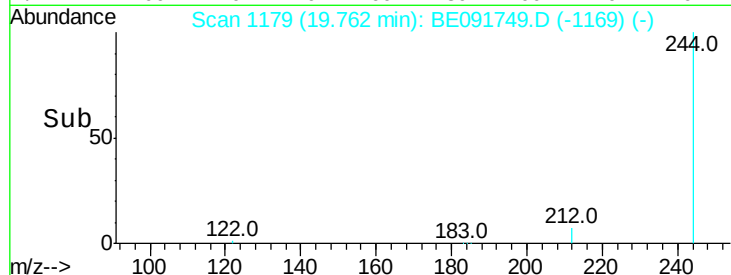
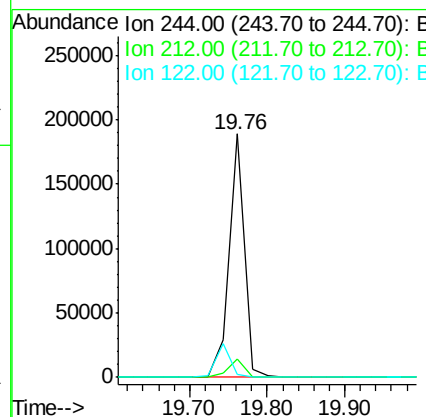
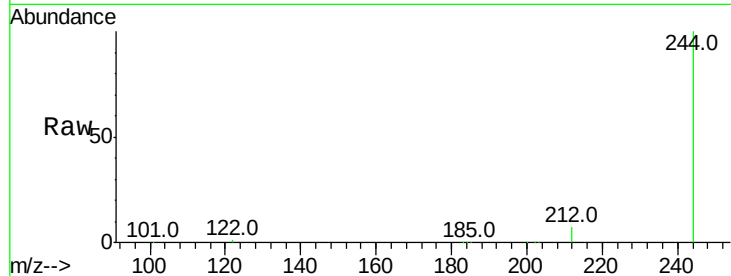
#29
 Terphenyl-d14
 Concen: 5.45 ng
 RT: 19.76 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Instrument :
 BNA_E
 ClientSampleId :
 NC-HC-007

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3	6.9	10.3	
122	1.1	11.0	16.4	

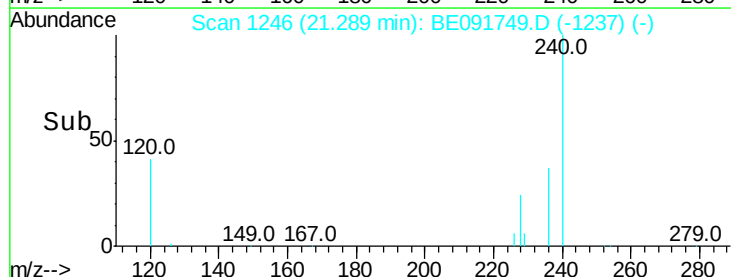
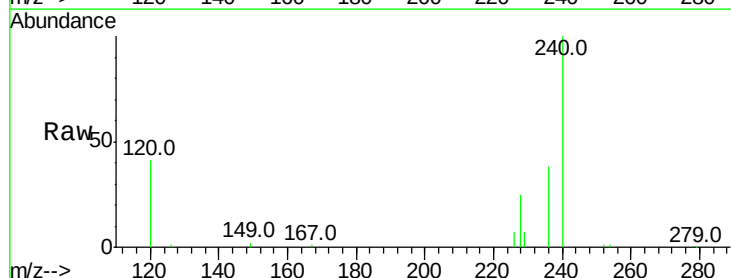
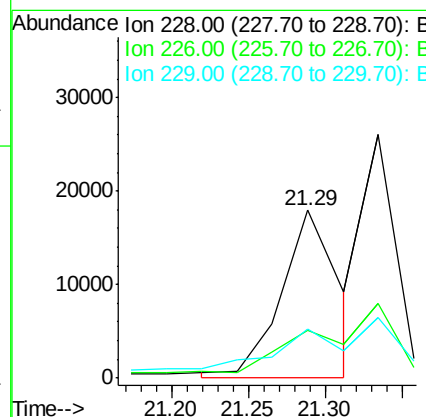
Manual Integrations
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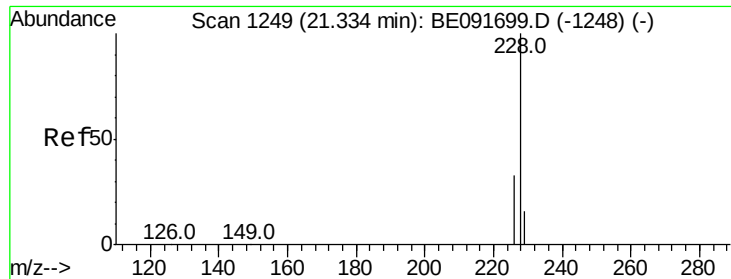
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#30
 Benzo(a)anthracene
 Concen: 0.62 ng m
 RT: 21.29 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BE091749.D
 Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.2	21.0	31.4	
229	29.5	15.7	23.5	





#32

Chrysene

Concen: 0.54 ng

RT: 21.33 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091749.D

Acq: 3 May 2016 18:36

Instrument :

BNA_E

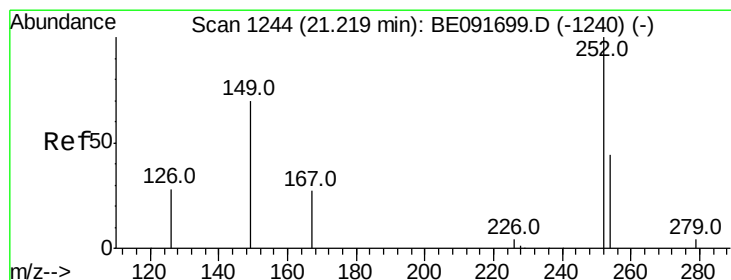
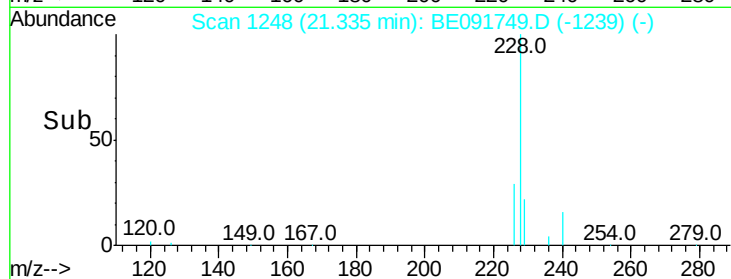
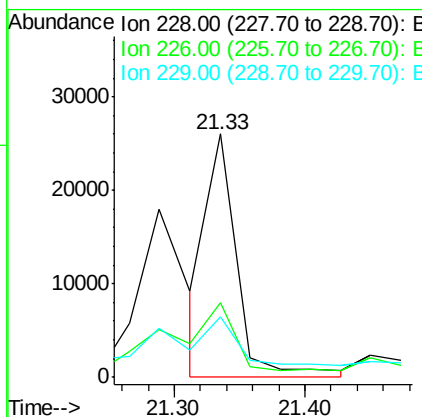
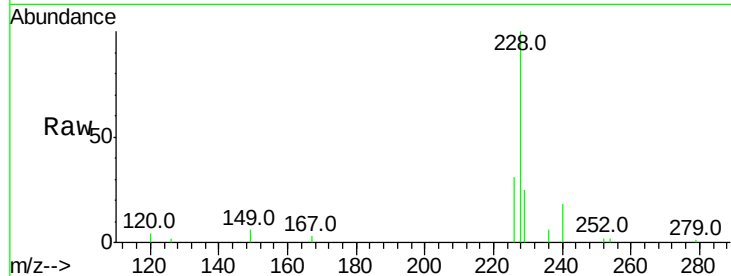
ClientSampleId :

NC-HC-007

Tot Ion:	228	Resp:	42251
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	24.8	15.9	23.9

Manual Integrations
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#33

Bis(2-ethylhexyl)phthalate

Concen: 0.53 ng

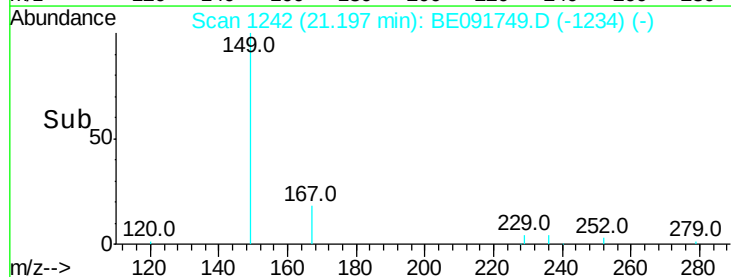
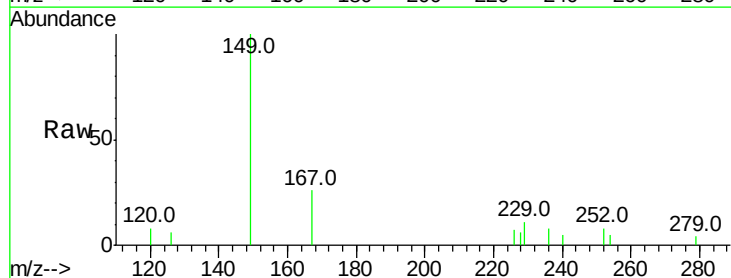
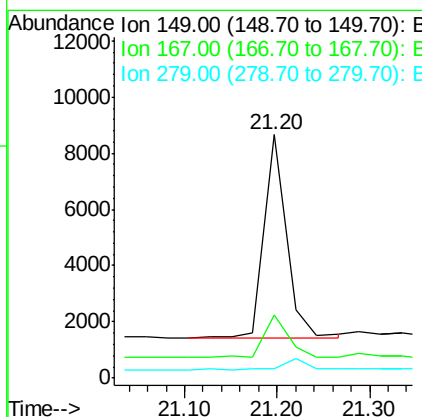
RT: 21.20 min Scan# 1242

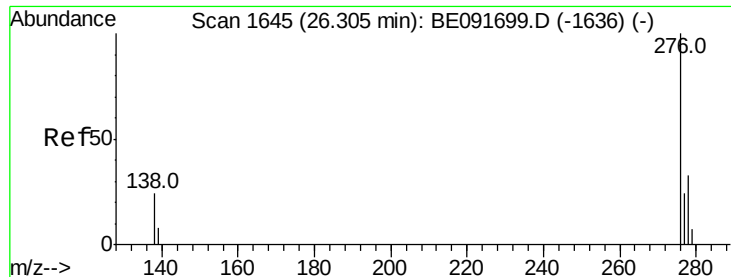
Delta R.T. -0.02 min

Lab File: BE091749.D

Acq: 3 May 2016 18:36

Tgt Ion:	149	Resp:	12101
Ion Ratio	Lower	Upper	
149	100		
167	22.9	19.5	29.3
279	0.0	10.0	15.0





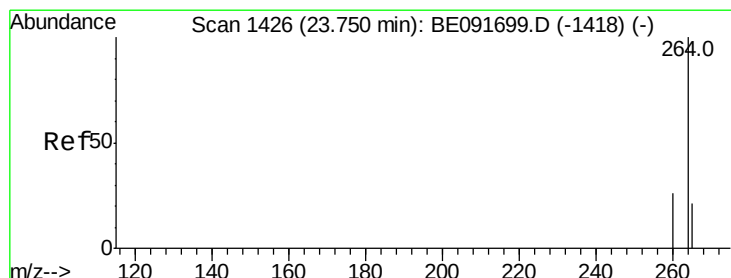
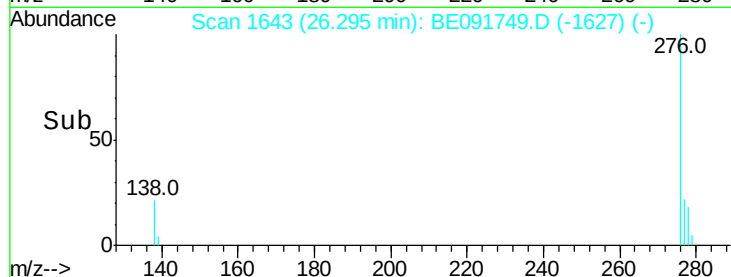
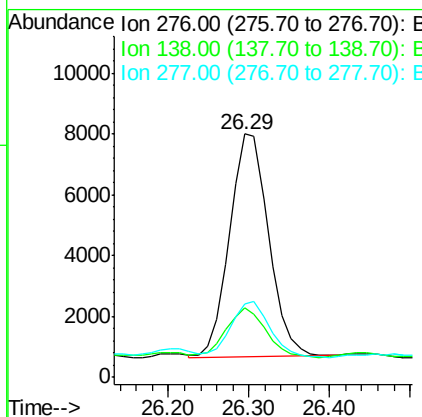
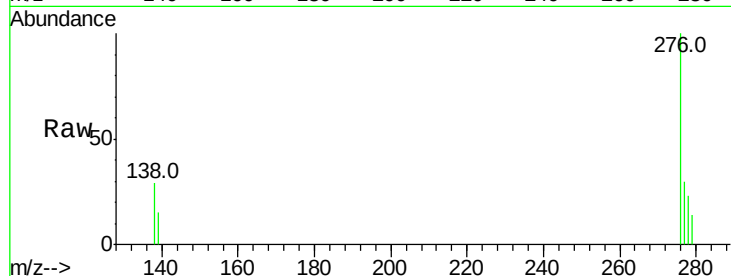
#34
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng
RT: 26.29 min Scan# 1643
Delta R.T. -0.01 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Instrument :
BNA_E
ClientSampleId :
NC-HC-007

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	23.4	35.2#
277	25.0	19.8	29.8

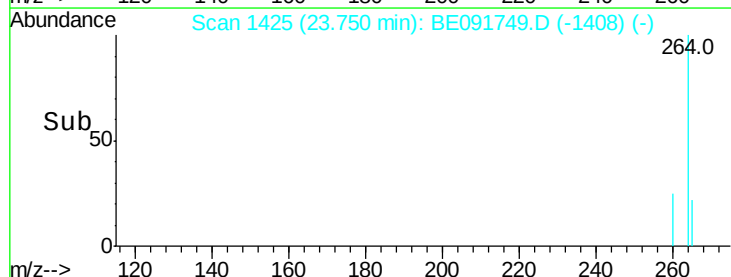
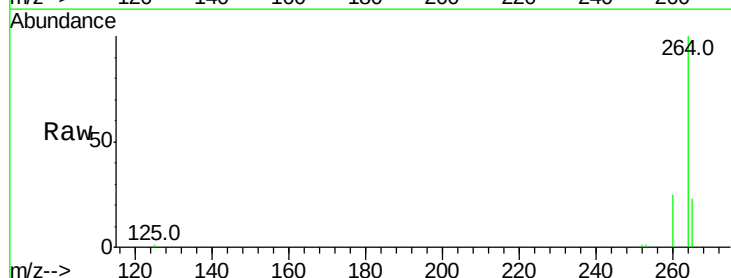
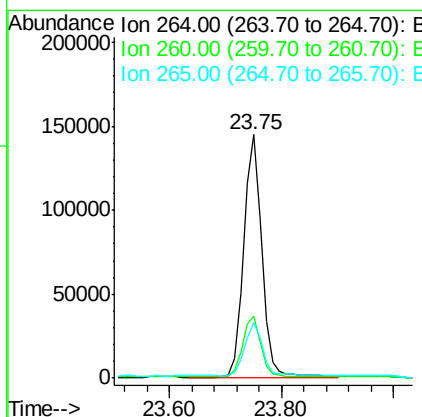
Manual Integrations
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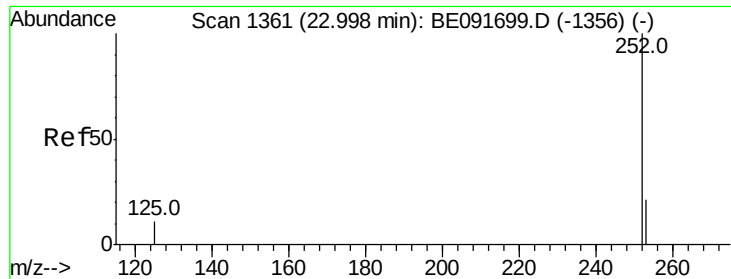
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#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.0	30.0
265	22.8	17.5	26.3





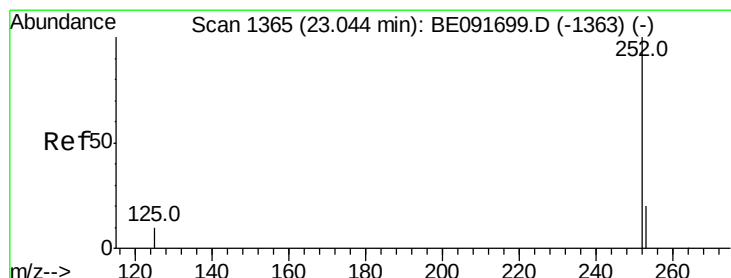
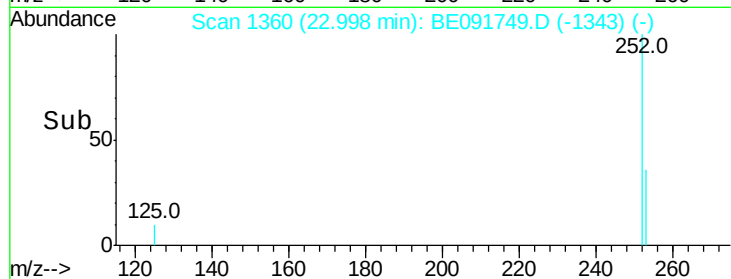
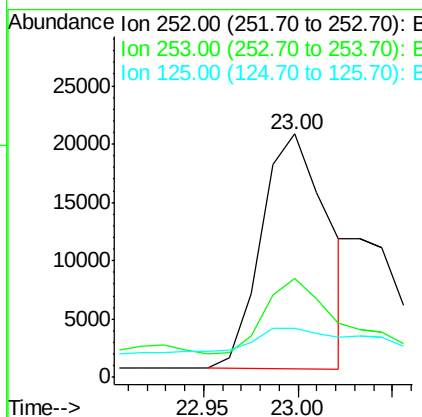
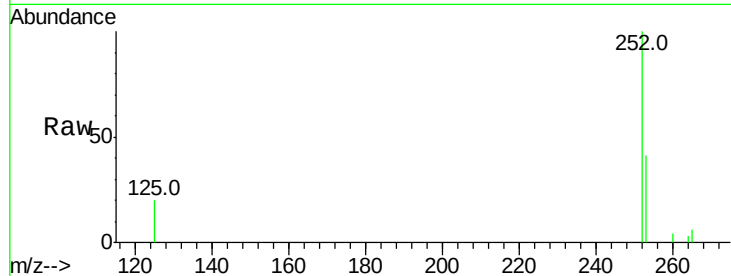
#36
Benzo(b)fluoranthene
Concen: 0.64 ng m
RT: 23.00 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Instrument :
BNA_E
ClientSampleId :
NC-HC-007

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.5	17.4	26.0#
125	20.2	10.2	15.2#

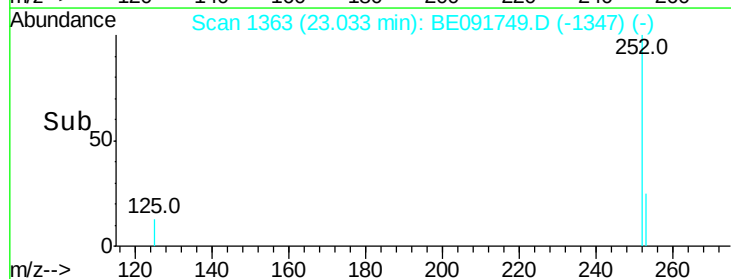
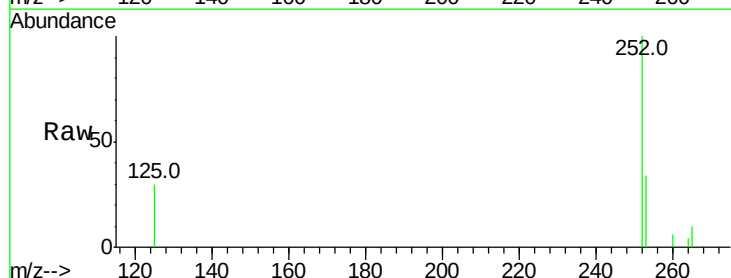
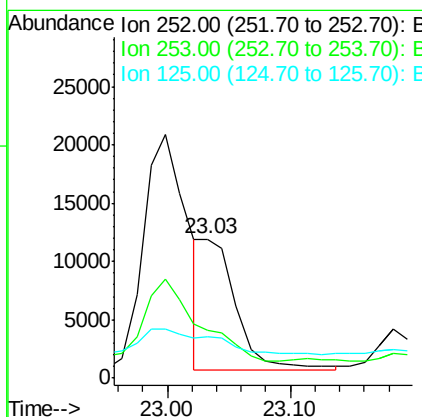
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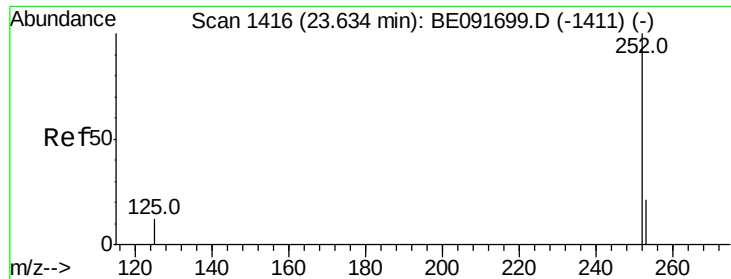
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#37
Benzo(k)fluoranthene
Concen: 0.28 ng m
RT: 23.03 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	17.6	26.4#
125	29.7	9.9	14.9#





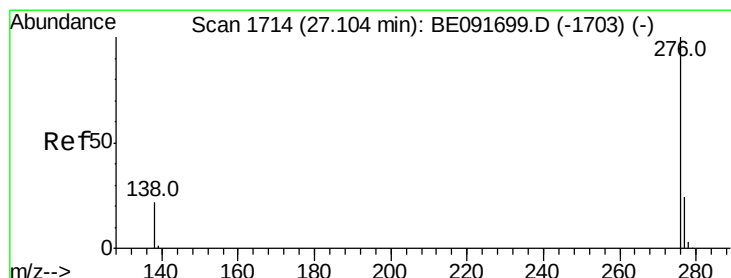
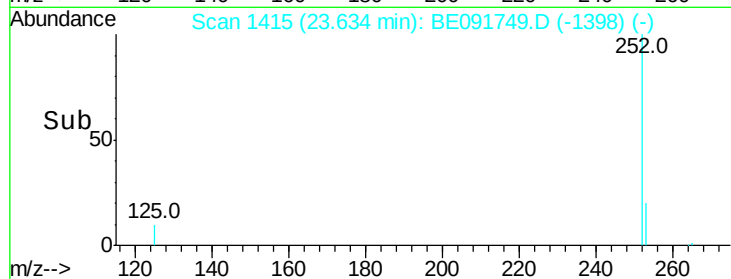
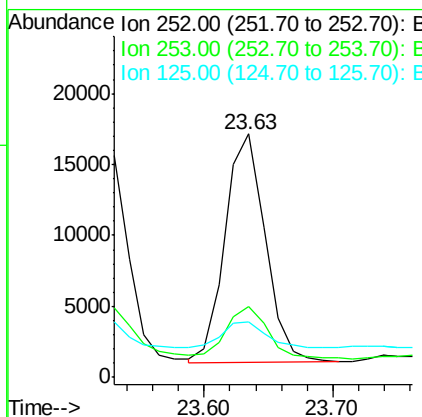
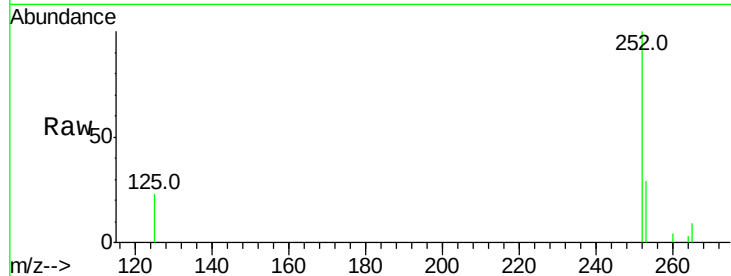
#38
Benzo(a)pyrene
Concen: 0.48 ng
RT: 23.63 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Instrument :
BNA_E
ClientSampleId :
NC-HC-007

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	18.1	27.1#
125	22.5	11.0	16.4#

Manual Integrations
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#40
Benzo(g,h,i)perylene
Concen: 0.42 ng
RT: 27.09 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BE091749.D
Acq: 3 May 2016 18:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	18.6	28.0#
138	26.9	20.4	30.6

