

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE097491.D
 Acq On : 18 Mar 2016 20:18
 Operator : UM/SJ
 Sample : PB88982BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Manual Integrations
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Quant Time: Mar 19 00:22:23 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 14:14:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	97092	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	456526	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	262589	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	671195	5.00	ng	-0.01
22) Chrysene-d12	21.34	240	813924	5.00	ng	0.00
28) Perylene-d12	23.80	264	754288	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	85017	3.81	ng	0.00
5) Phenol-d6	6.99	99	119311	4.10	ng	0.00
7) Nitrobenzene-d5	8.98	82	47387	2.03	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	30111m	3.26	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	155601	2.35	ng	0.00
24) Terphenyl-d14	19.78	244	231961	2.37	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	21645	1.79	ng	94
3) n-Nitrosodimethylamine	3.66	42	28250	1.64	ng	# 91
8) Naphthalene	10.65	128	177492	1.59	ng	96
9) 2-Methylnaphthalene	12.26	142	122807	1.71	ng	97
13) Acenaphthylene	14.15	152	195057	1.56	ng	96
14) Acenaphthene	14.50	154	132025	1.63	ng	97
15) Fluorene	15.48	166	161463	1.58	ng	100
17) Hexachlorobenzene	16.48	284	45104	1.54	ng	98
18) Pentachlorophenol	16.81	266	40659	2.76	ng	89
19) Phenanthrene	17.22	178	287479	1.50	ng	99
20) Anthracene	17.30	178	260683	1.55	ng	99
21) Fluoranthene	19.22	202	304919	1.39	ng	97
23) Pyrene	19.57	202	343918	1.70	ng	99
25) Benzo(a)anthracene	21.31	228	378696m	1.69	ng	
26) Chrysene	21.36	228	378766m	1.82	ng	
27) Indeno(1,2,3-cd)pyrene	26.37	276	388896	1.67	ng	99
29) Benzo(b)fluoranthene	23.03	252	366747	1.54	ng	97
30) Benzo(k)fluoranthene	23.08	252	370935	1.52	ng	93
31) Benzo(a)pyrene	23.68	252	332496	1.58	ng	# 95
32) Dibenzo(a,h)anthracene	26.40	278	329411	1.59	ng	98
33) Benzo(g,h,i)perylene	27.16	276	336334	1.56	ng	99

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

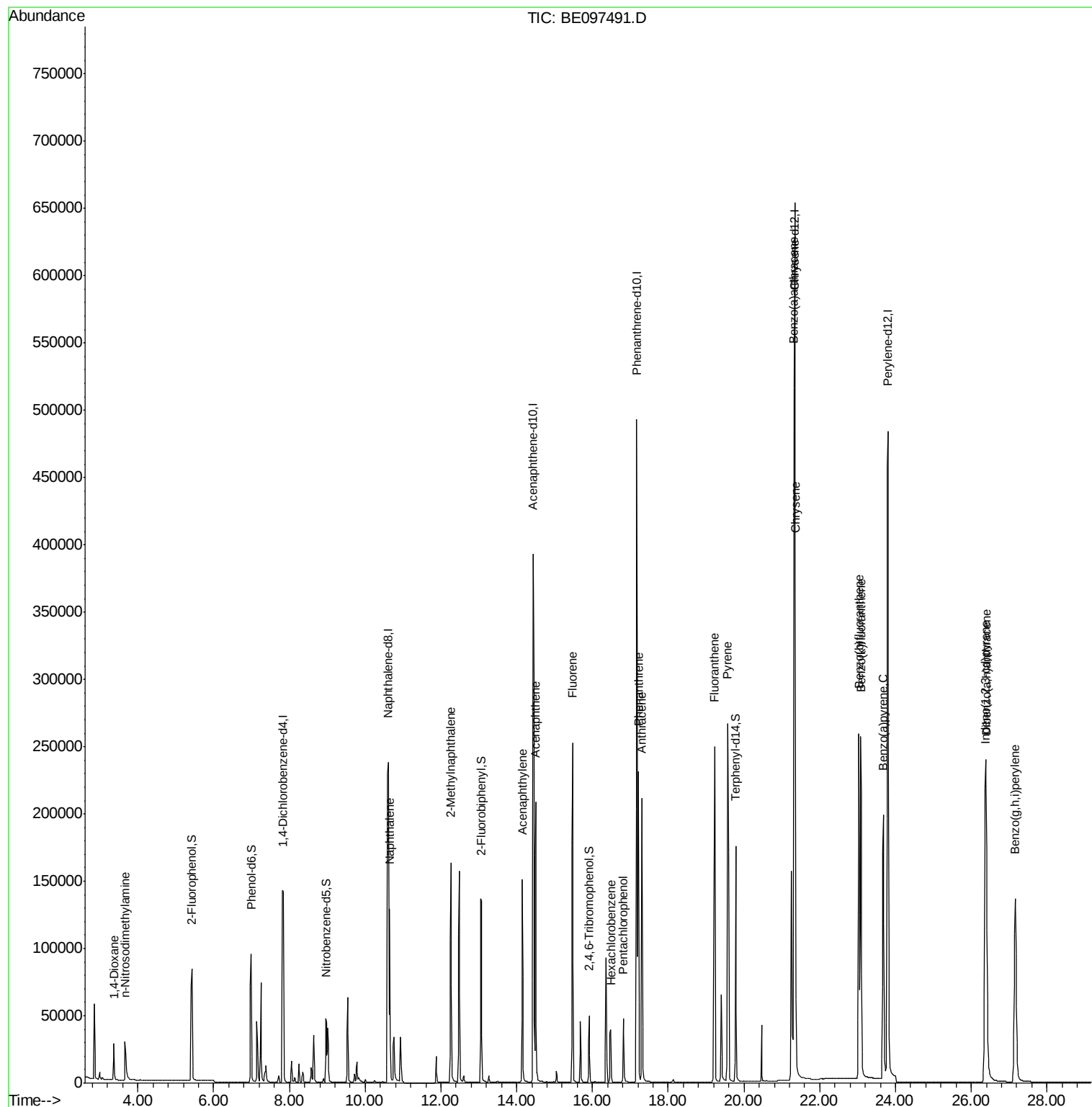
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE097491.D
Acq On : 18 Mar 2016 20:18
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ALS Vial : 13 Sample Multiplier: 1

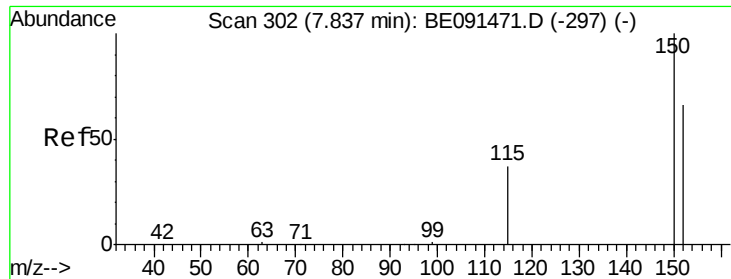
Instrument :
BNA_E
ClientSampled :

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Quant Time: Mar 19 00:22:23 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 14:14:30 2016
Response via : Initial Calibration

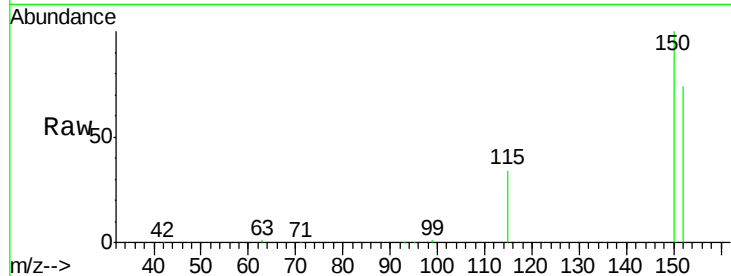




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

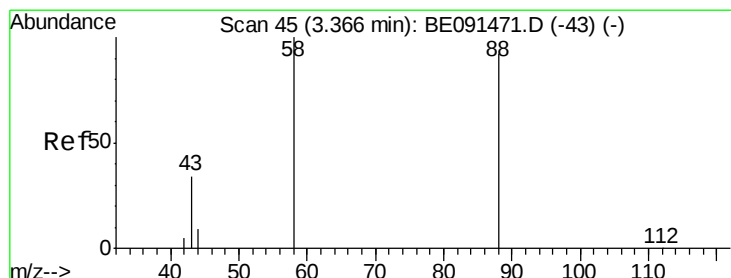
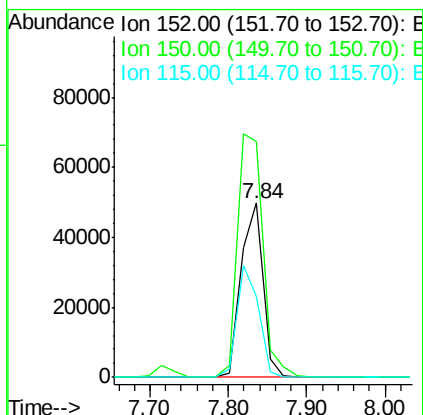
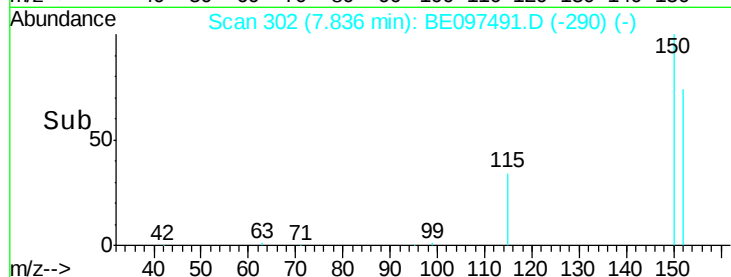
Instrument :
BNA_E
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
152	100		
150	135.5	122.2	183.2
115	46.6	45.9	68.9

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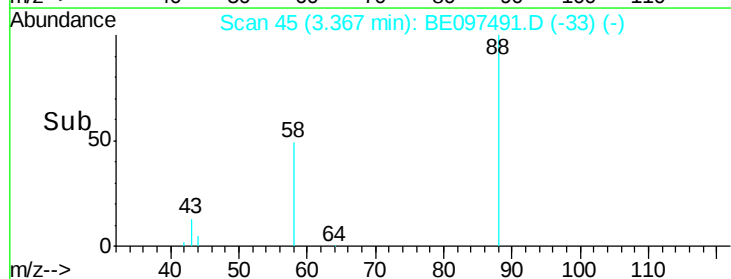
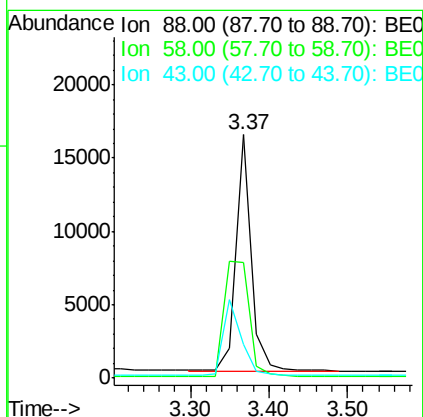
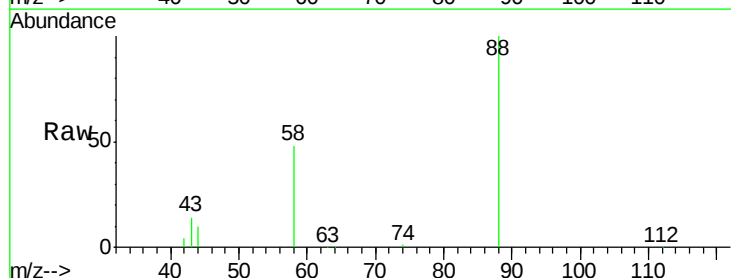
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#2

1,4-Dioxane
Concen: 1.79 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.9	61.0	91.6
43	36.6	25.4	38.2





#3

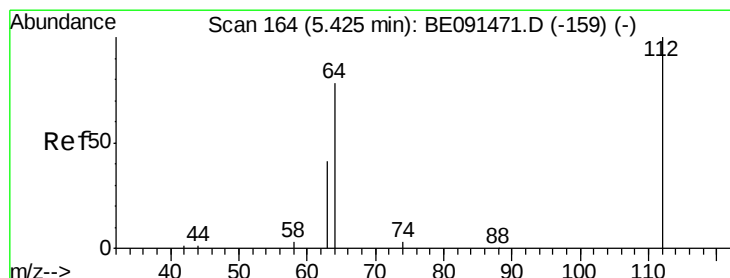
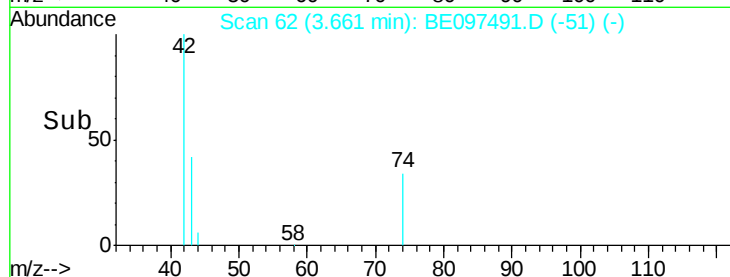
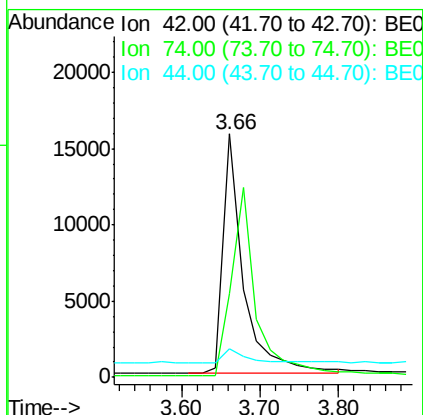
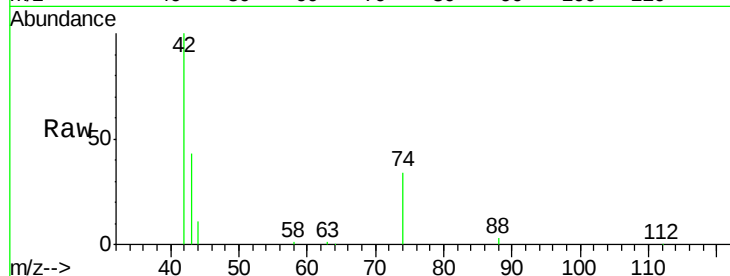
n-Nitrosodimethylamine
Concen: 1.64 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.02 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
42	100		
74	96.0	84.3	126.5
44	6.2	6.7	10.1#

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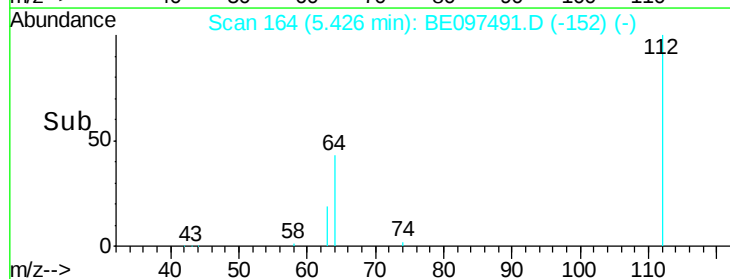
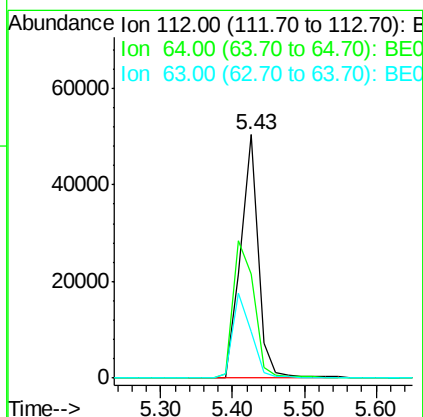
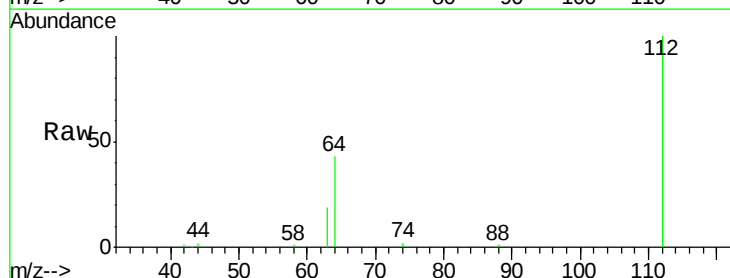
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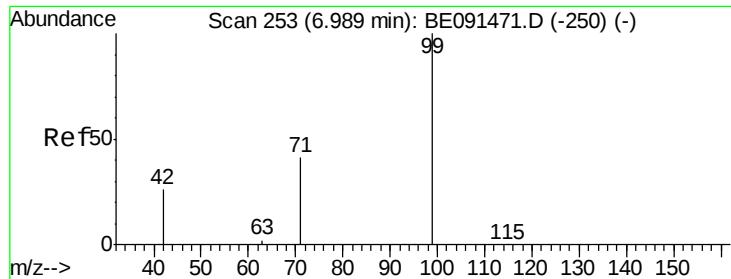


#4

2-Fluorophenol
Concen: 3.81 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.3	79.9
63	36.2	29.8	44.8





#5

Phenol-d6

Concen: 4.10 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

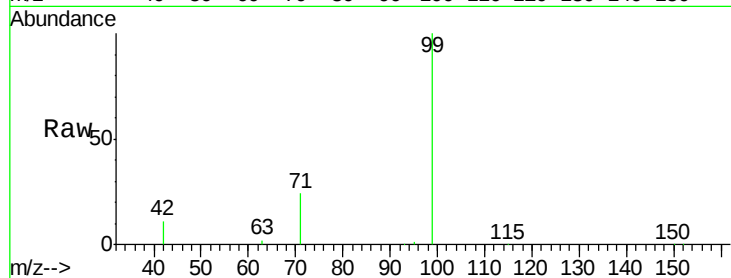
Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Instrument :

BNA_E

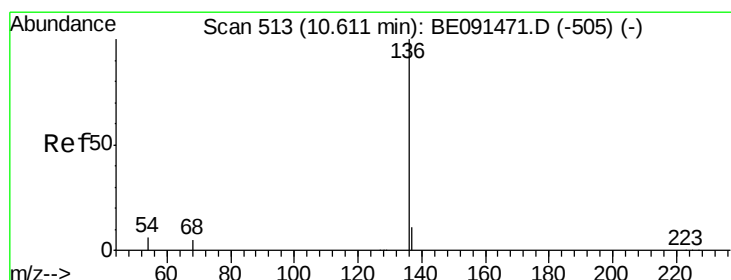
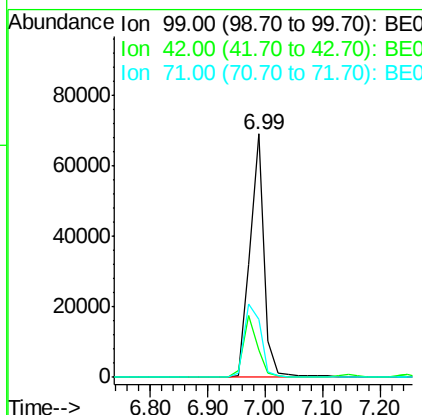
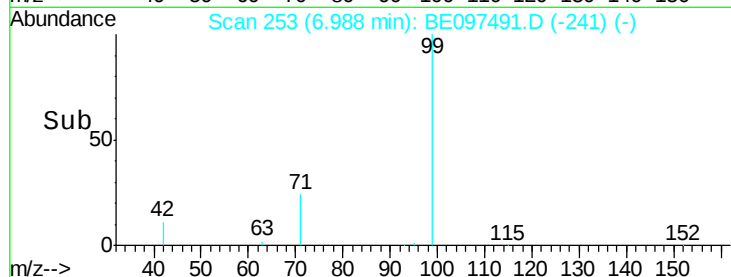
ClientSampleId :



Tgt Ion:	99	Resp:	119311
Ion Ratio	Lower	Upper	
99	100		
42	25.0	20.6	30.8
71	35.1	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

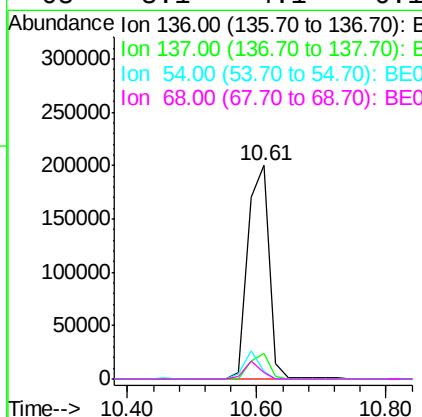
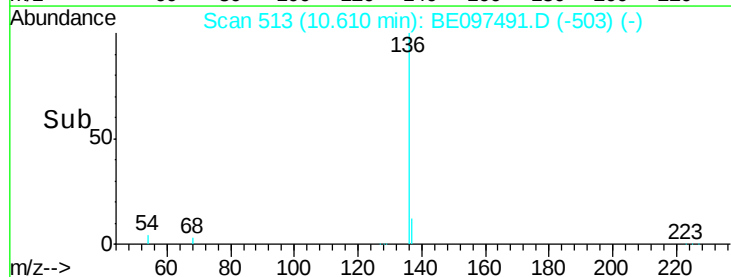
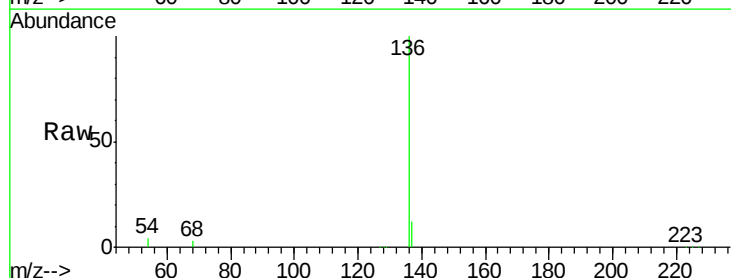
RT: 10.61 min Scan# 513

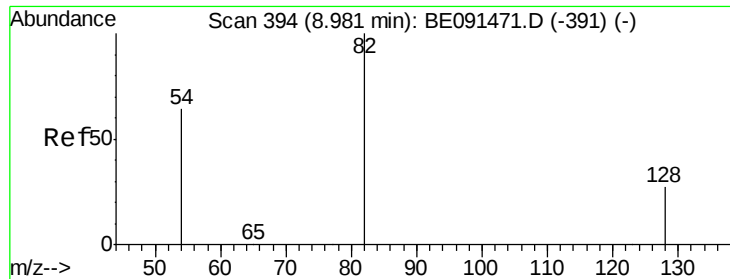
Delta R.T. -0.00 min

Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Tgt Ion:	136	Resp:	456526
Ion Ratio	Lower	Upper	
136	100		
137	12.0	8.8	13.2
54	3.6	5.2	7.8#
68	3.1	4.1	6.1#





#7

Nitrobenzene-d5

Concen: 2.03 ng

RT: 8.98 min Scan# 394

Delta R.T. 0.00 min

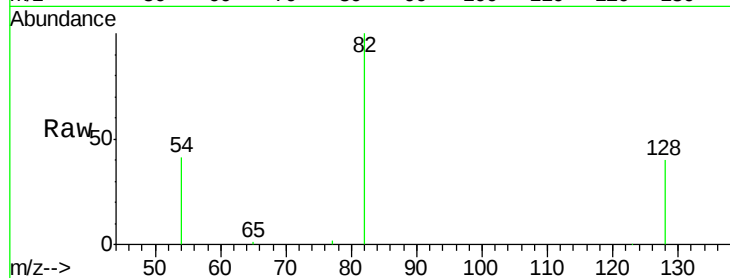
Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 82 Resp: 47387

Ion Ratio Lower Upper

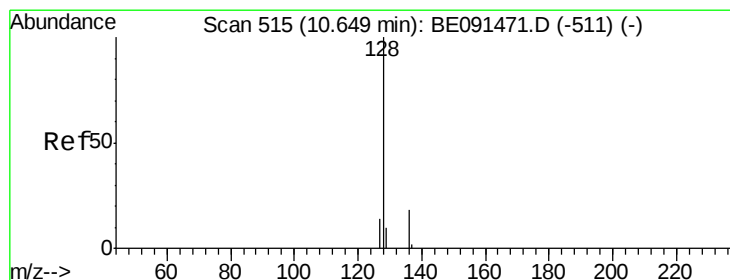
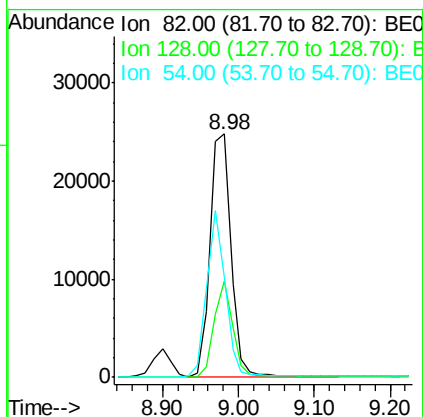
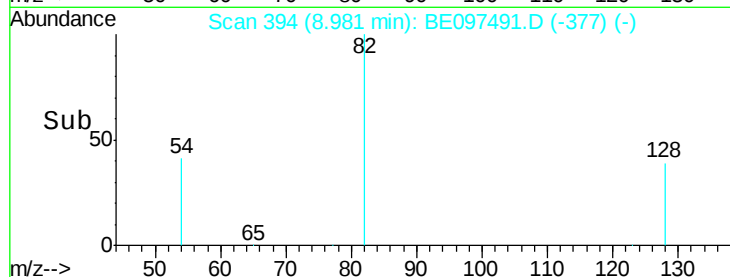
82 100

128 39.5 23.5 35.3#

54 41.0 52.4 78.6#

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#8

Naphthalene

Concen: 1.59 ng

RT: 10.65 min Scan# 515

Delta R.T. -0.00 min

Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

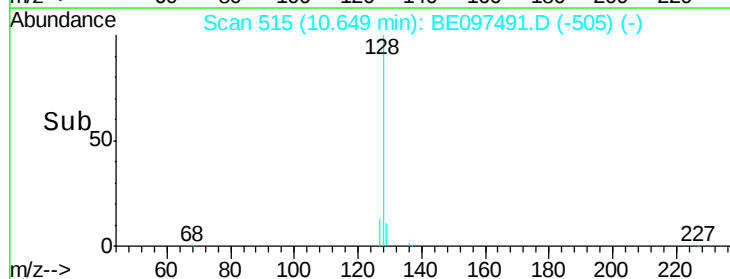
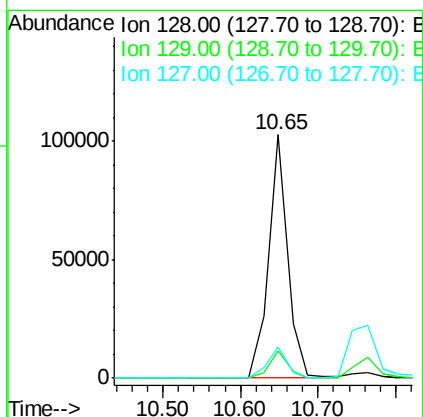
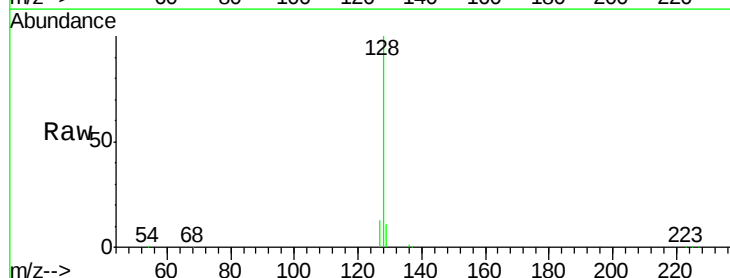
Tgt Ion: 128 Resp: 177492

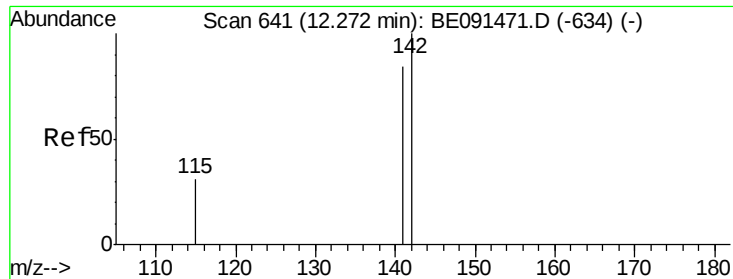
Ion Ratio Lower Upper

128 100

129 11.2 8.2 12.2

127 12.8 11.8 17.8





#9

2-Methylnaphthalene

Concen: 1.71 ng

RT: 12.26 min Scan# 640

Delta R.T. -0.01 min

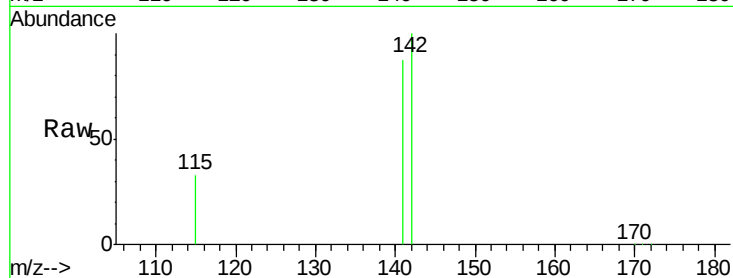
Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Instrument :

BNA_E

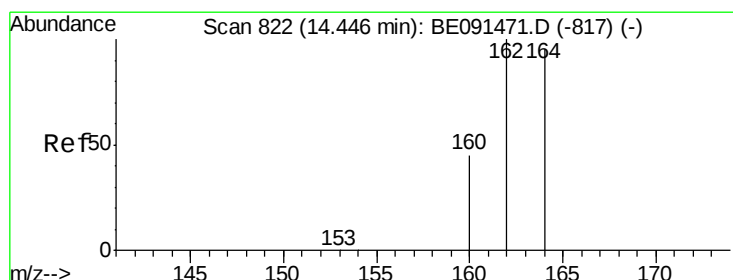
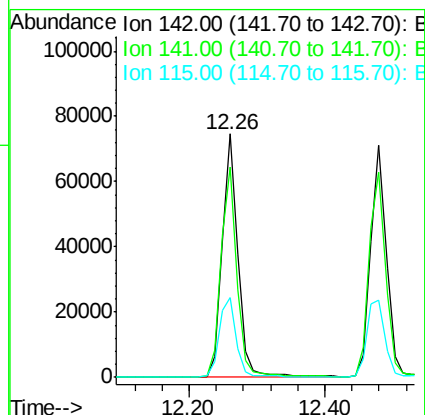
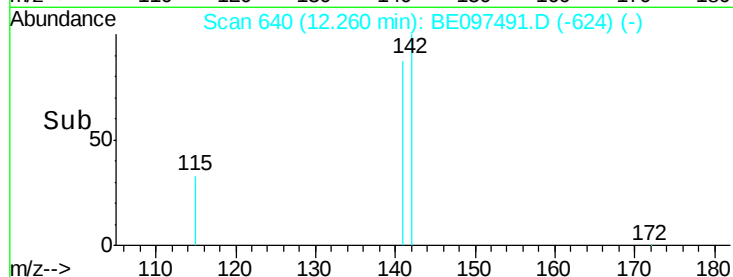
ClientSampleId :



Tgt Ion:	142	Resp:	122807
Ion Ratio	Lower	Upper	
142	100		
141	86.6	66.9	100.3
115	33.0	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

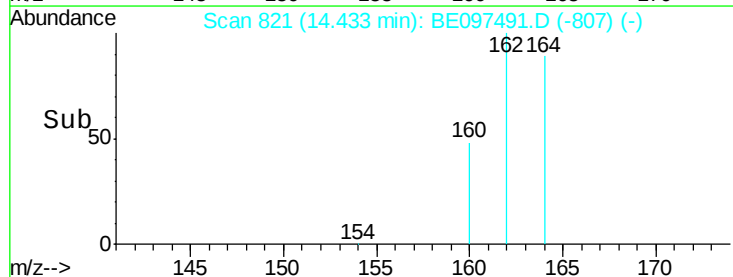
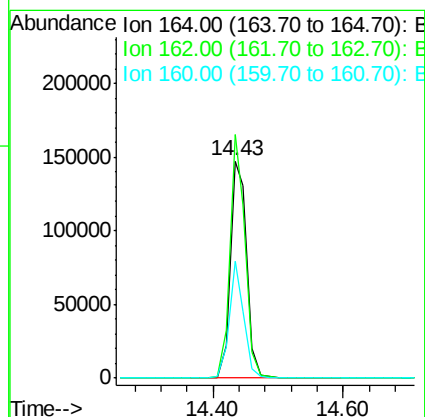
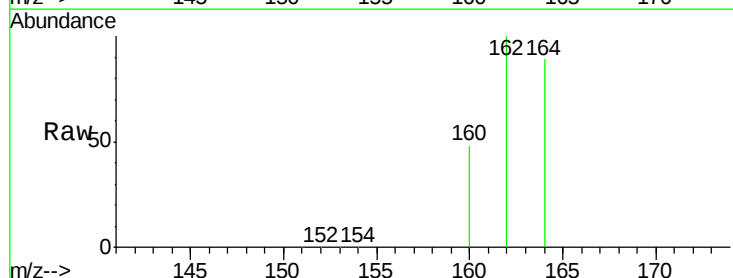
RT: 14.43 min Scan# 821

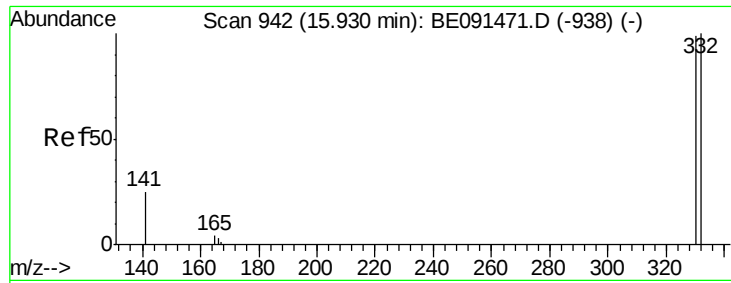
Delta R.T. -0.01 min

Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

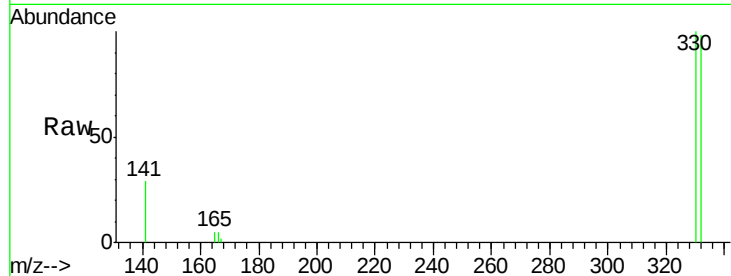
Tgt Ion:	164	Resp:	262589
Ion Ratio	Lower	Upper	
164	100		
162	112.1	84.4	126.6
160	53.7	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 3.26 ng m
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE097491.D
 Acq: 18 Mar 2016 20:18

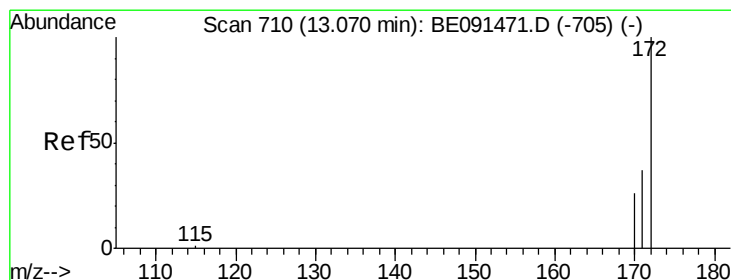
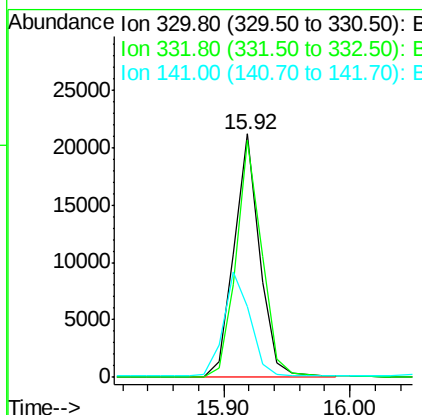
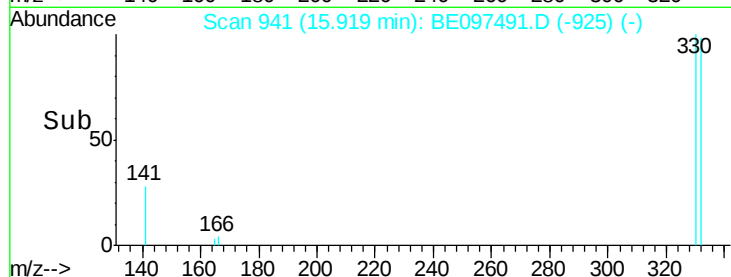
Instrument :
 BNA_E
 ClientSampleId :



Tgt Ion:330 Resp: 30111
 Ion Ratio Lower Upper
 330 100
 332 112.0 79.2 118.8
 141 45.2 28.1 42.1#

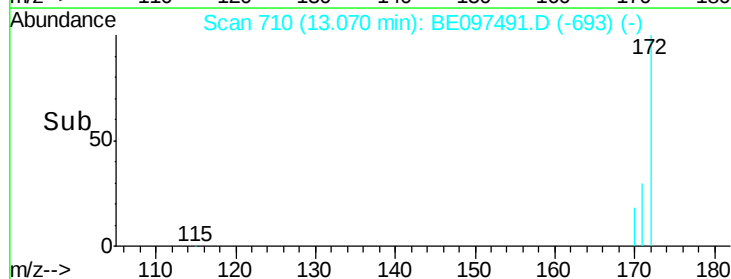
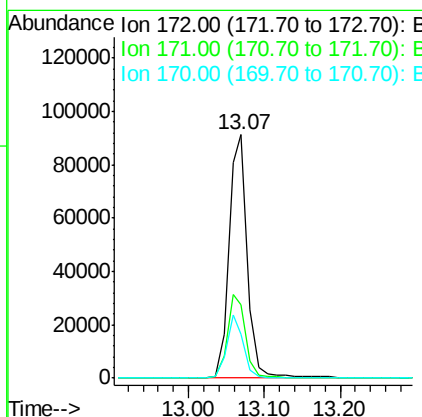
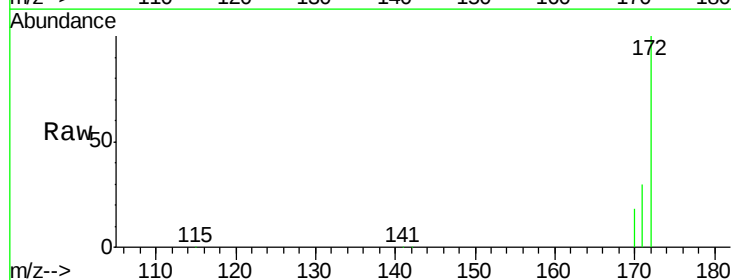
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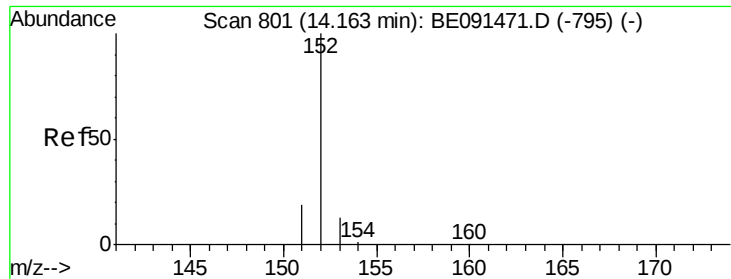
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#12
 2-Fluorobiphenyl
 Concen: 2.35 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE097491.D
 Acq: 18 Mar 2016 20:18

Tgt Ion:172 Resp: 155601
 Ion Ratio Lower Upper
 172 100
 171 30.2 29.8 44.8
 170 18.1 21.4 32.2#





#13

Acenaphthylene

Concen: 1.56 ng

RT: 14.15 min Scan# 800

Delta R.T. -0.01 min

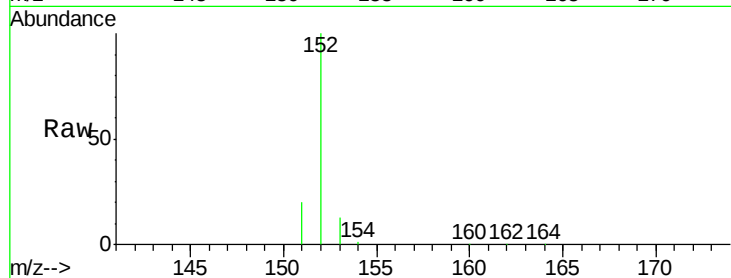
Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Instrument :

BNA_E

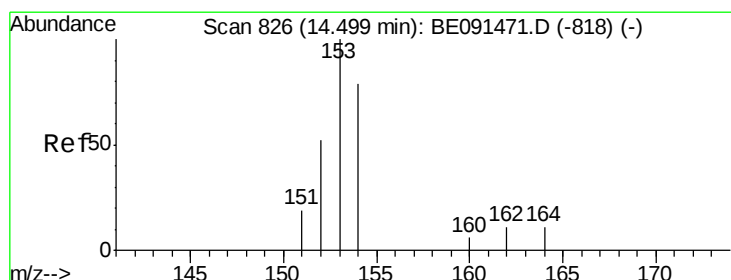
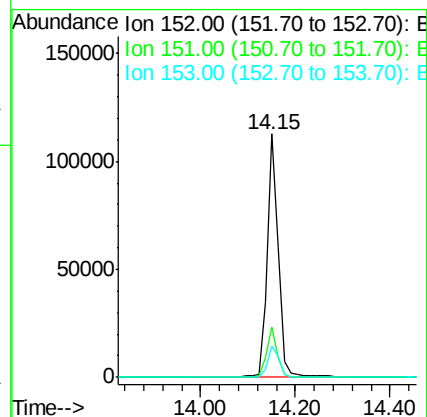
ClientSampled :



Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.3	16.3	24.5
153	12.2	11.1	16.7

Manual Integrations
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#14

Acenaphthene

Concen: 1.63 ng

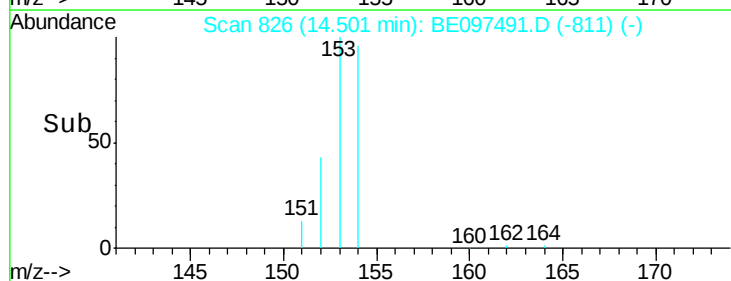
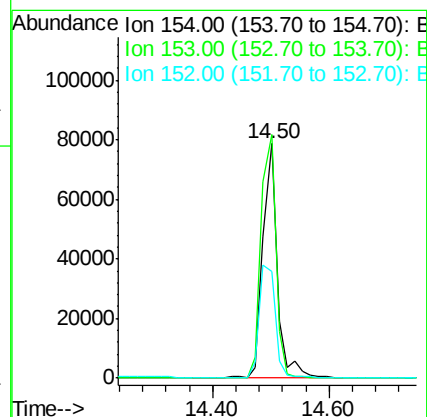
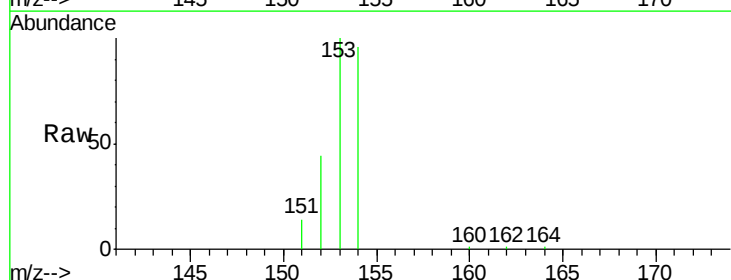
RT: 14.50 min Scan# 826

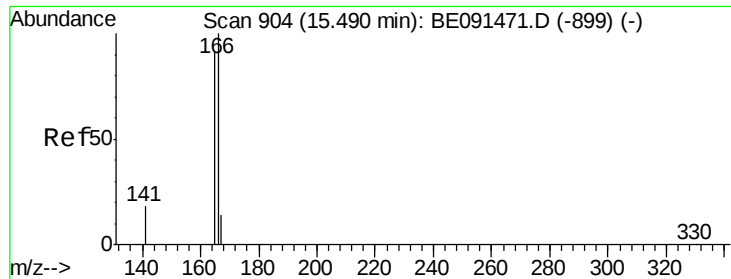
Delta R.T. 0.00 min

Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	105.8	87.3	130.9
152	52.5	42.9	64.3





#15

Fluorene

Concen: 1.58 ng

RT: 15.48 min Scan# 903

Delta R.T. -0.01 min

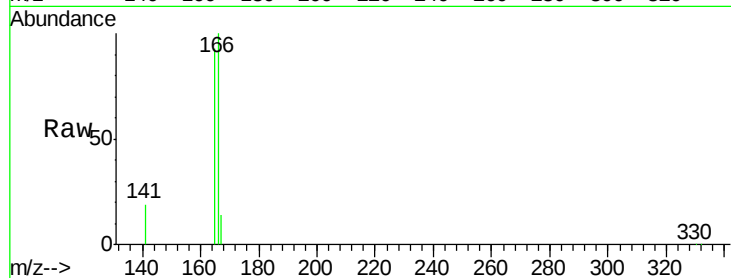
Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Instrument :

BNA_E

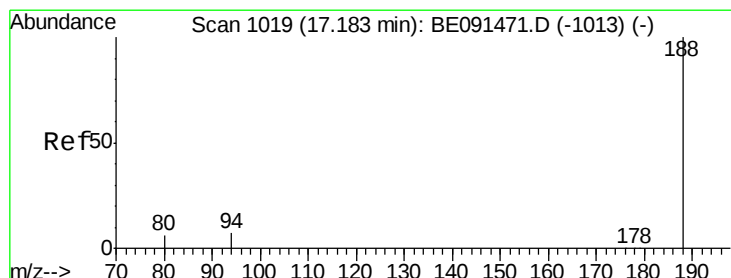
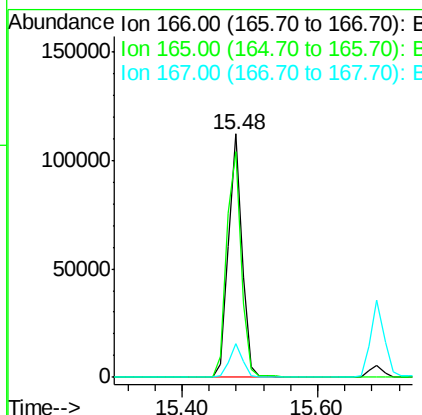
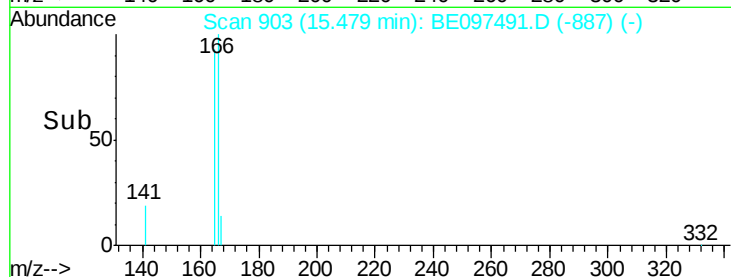
ClientSampleId :



Tgt Ion:	166	Resp:	161463
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.2	118.8
167	13.5	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

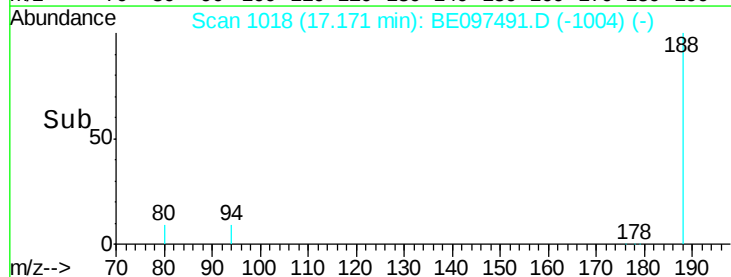
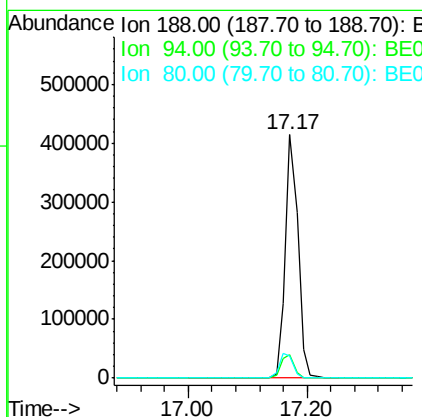
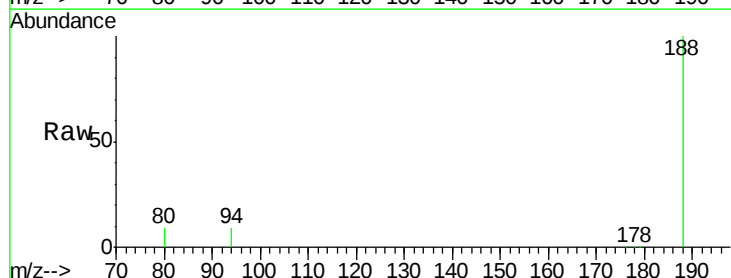
RT: 17.17 min Scan# 1018

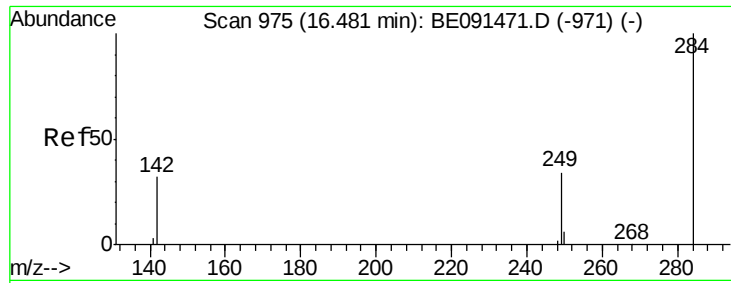
Delta R.T. -0.01 min

Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

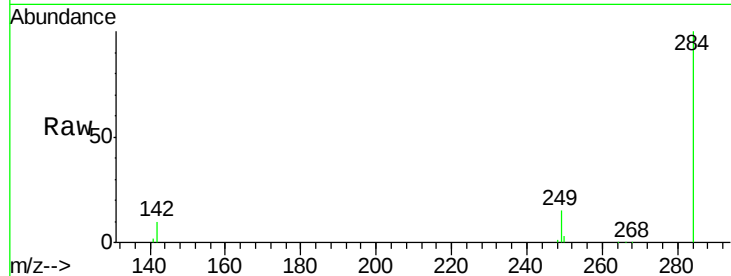
Tgt Ion:	188	Resp:	671195
Ion Ratio	Lower	Upper	
188	100		
94	9.5	5.4	8.2#
80	9.3	5.0	7.4#





#17
Hexachlorobenzene
Concen: 1.54 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

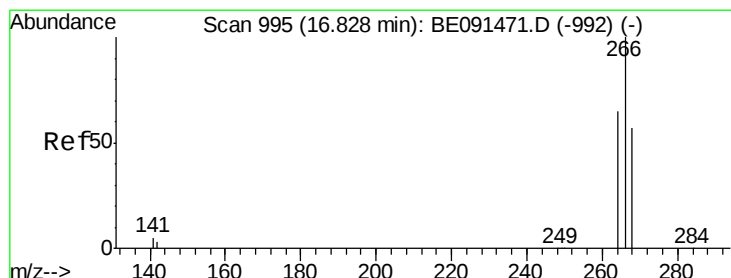
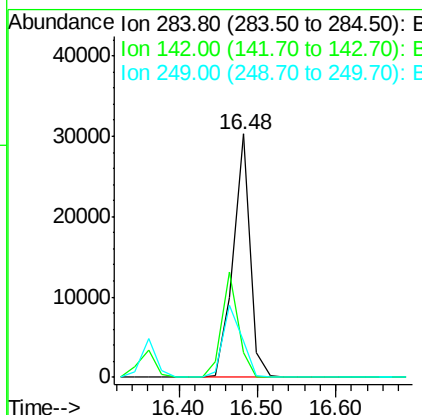
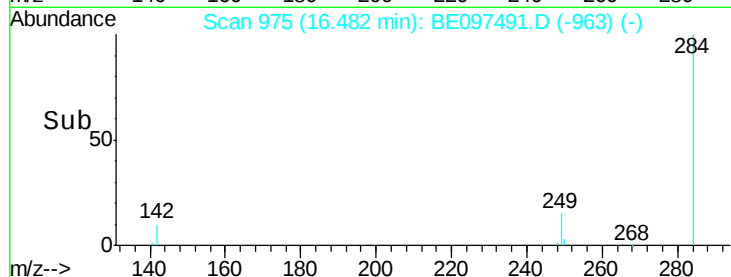
Instrument :
BNA_E
ClientSampleId :



Tgt Ion: 284 Resp: 45104
Ion Ratio Lower Upper
284 100
142 41.2 31.0 46.4
249 32.3 25.8 38.8

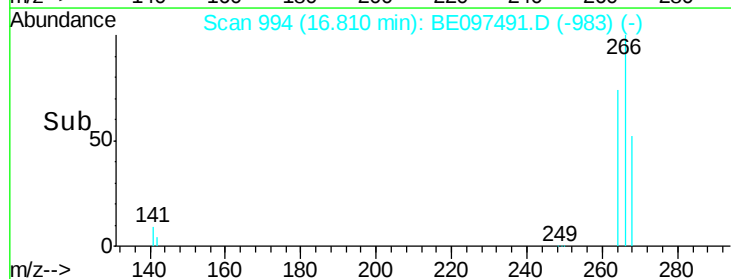
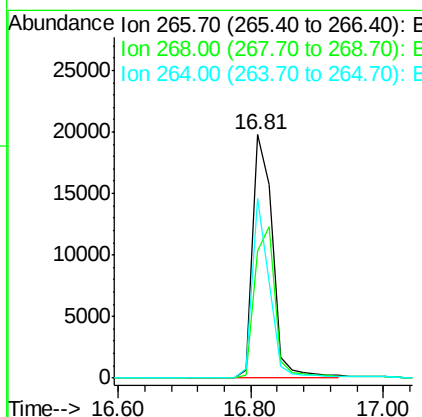
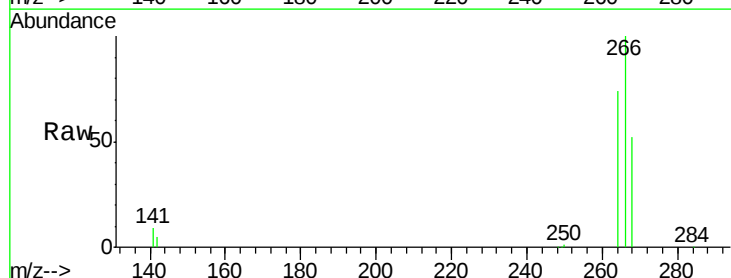
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#18
Pentachlorophenol
Concen: 2.76 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Tgt Ion: 266 Resp: 40659
Ion Ratio Lower Upper
266 100
268 52.1 48.2 72.2
264 74.0 52.1 78.1





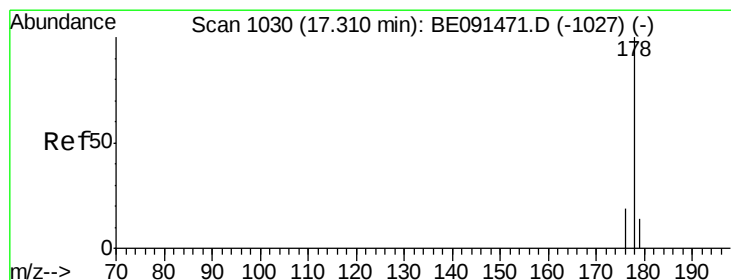
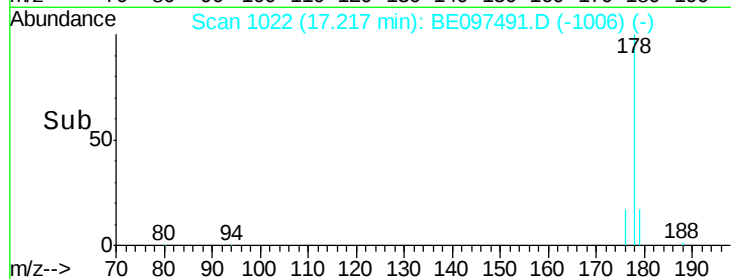
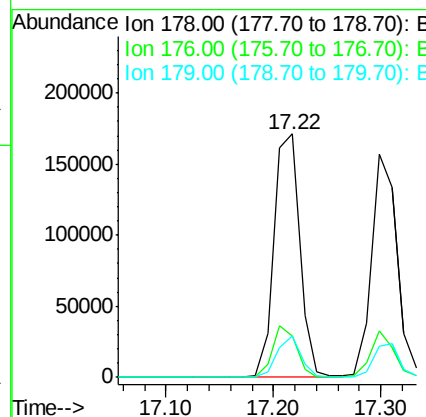
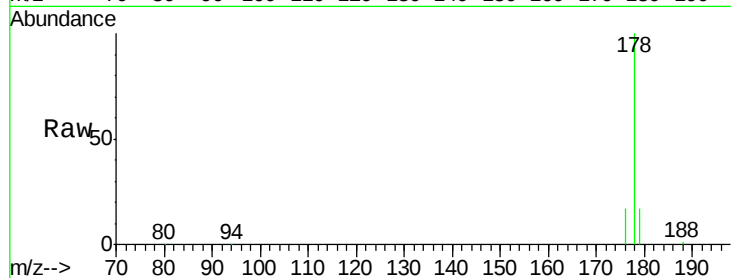
#19
Phenanthrene
Concen: 1.50 ng
RT: 17.22 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.4	13.1	19.7

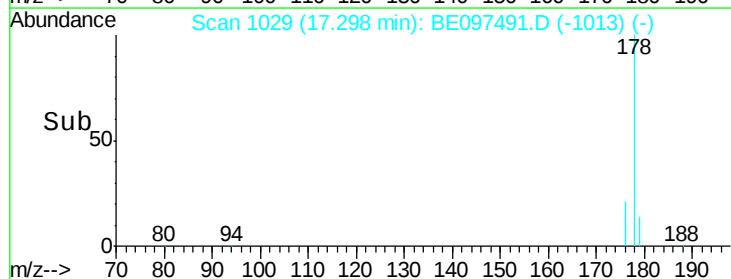
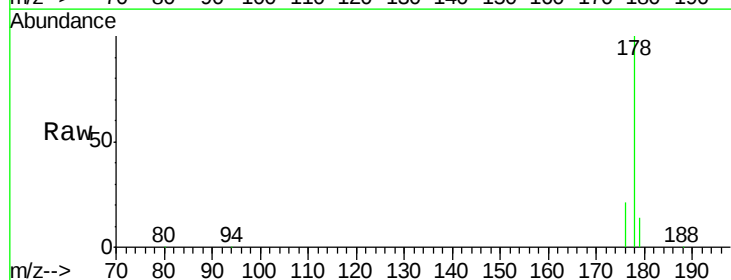
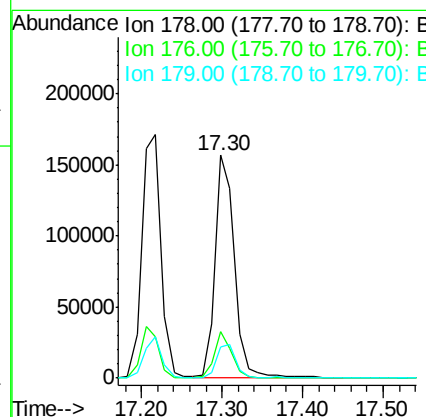
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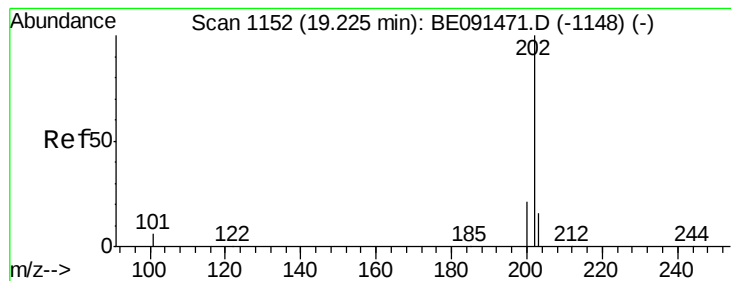
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#20
Anthracene
Concen: 1.55 ng
RT: 17.30 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.6	12.2	18.4





#21

Fluoranthene

Concen: 1.39 ng

RT: 19.22 min Scan# 1152

Delta R.T. -0.00 min

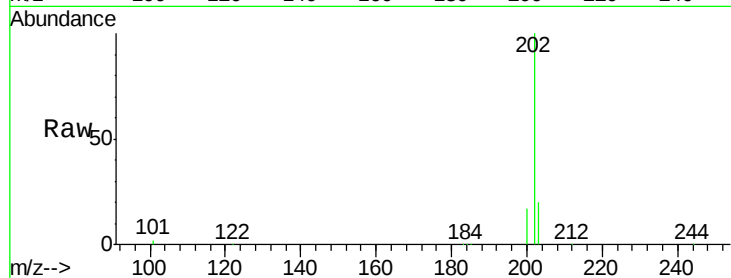
Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Instrument :

BNA_E

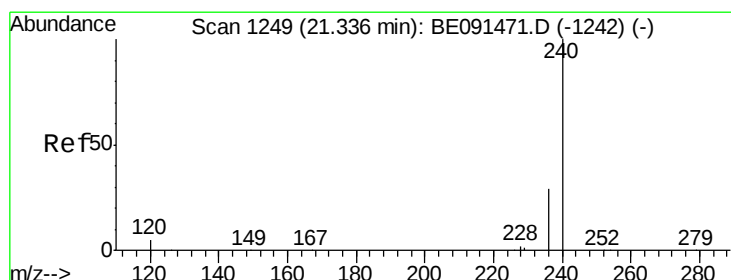
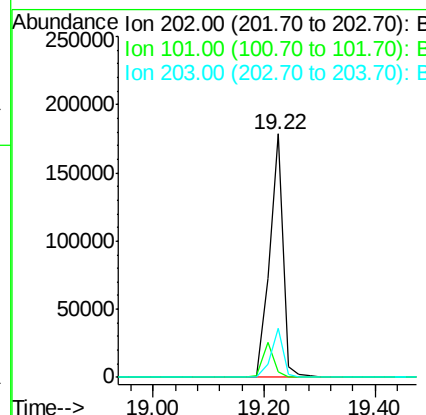
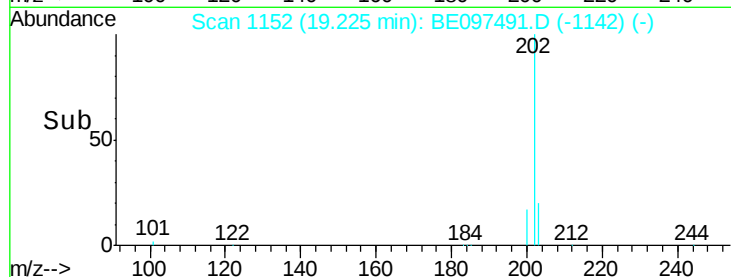
ClientSampleId :



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	304919		
101	12.0	8.3	12.5	
203	18.3	13.9	20.9	

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#22

Chrysene-d12

Concen: 5.00 ng

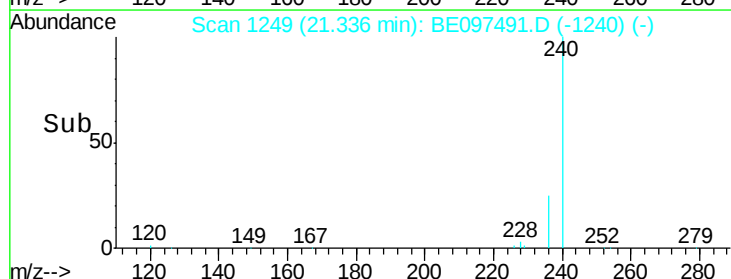
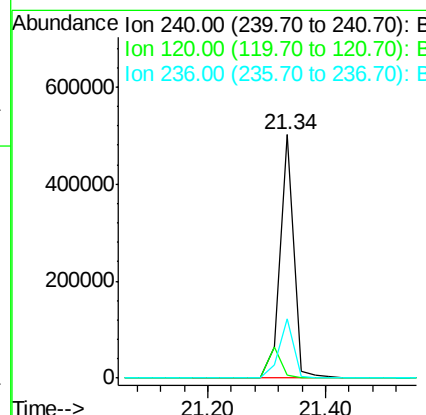
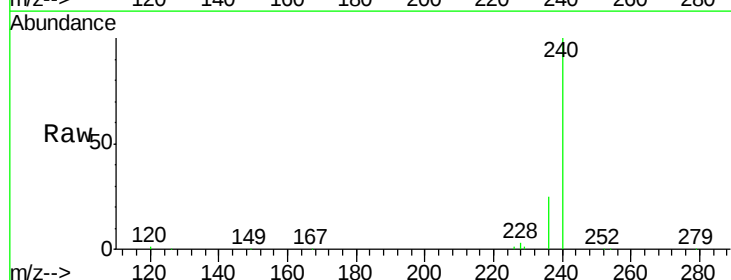
RT: 21.34 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BE097491.D

Acq: 18 Mar 2016 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	813924		
120	1.4	4.0	6.0#	
236	24.6	23.0	34.4	





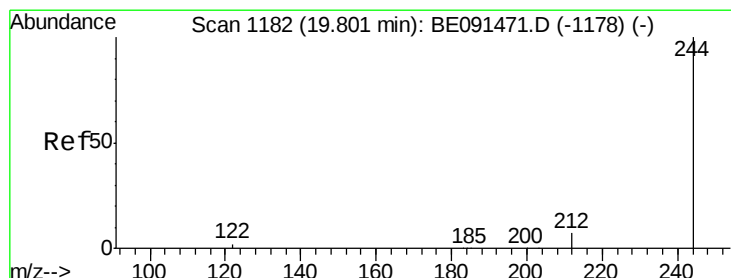
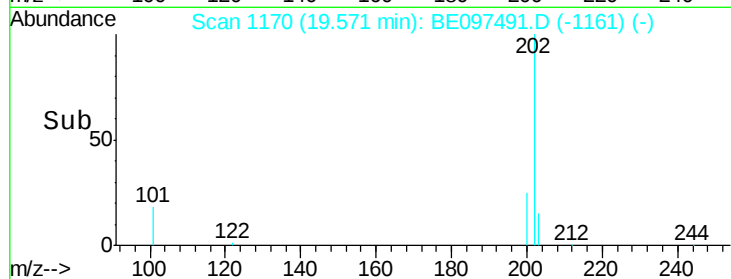
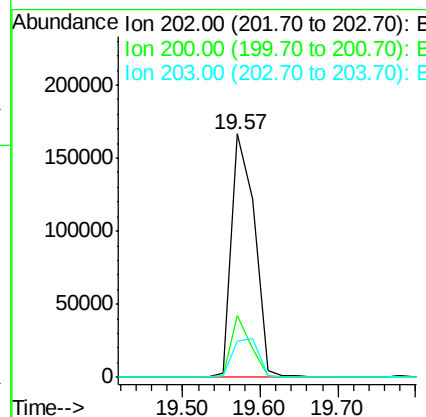
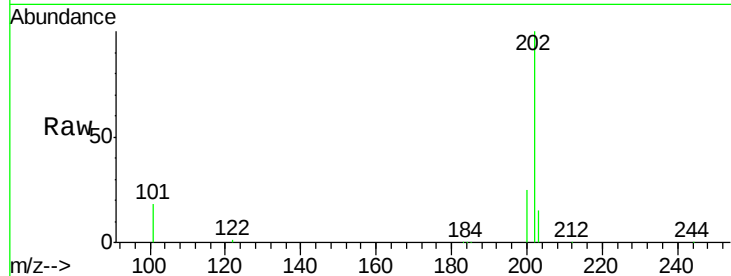
#23
 Pyrene
 Concen: 1.70 ng
 RT: 19.57 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BE097491.D
 Acq: 18 Mar 2016 20:18

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.4	16.4	24.6
203	18.1	14.6	21.8

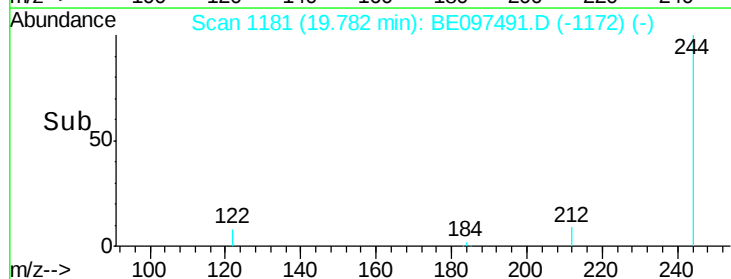
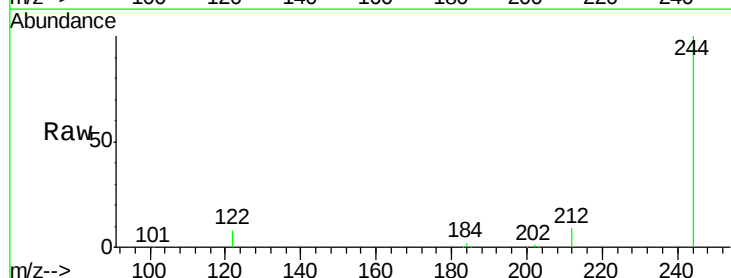
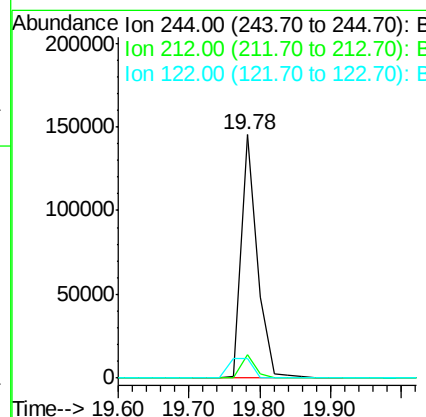
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#24
 Terphenyl-d14
 Concen: 2.37 ng
 RT: 19.78 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BE097491.D
 Acq: 18 Mar 2016 20:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.4	5.8	8.8#
122	8.1	1.8	2.8#





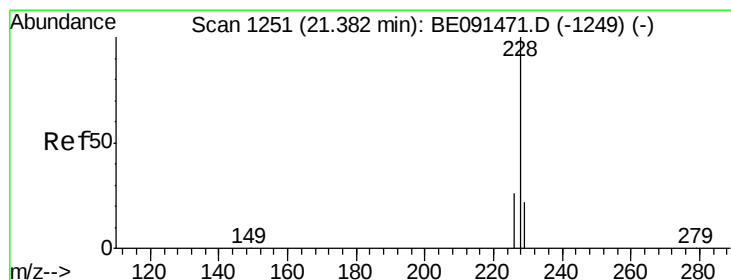
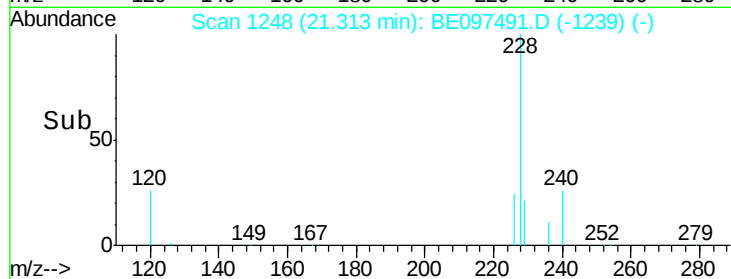
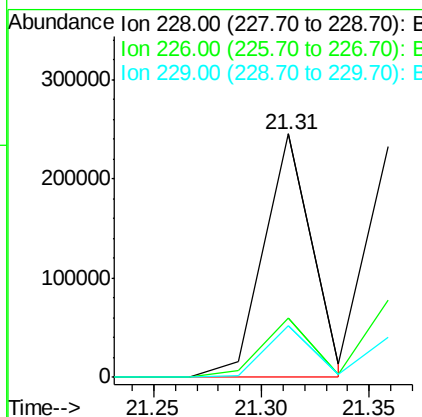
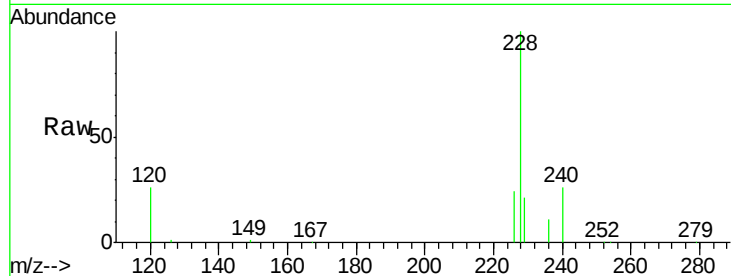
#25
Benzo(a)anthracene
Concen: 1.69 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.5	24.0	36.0
229	21.4	13.8	20.6

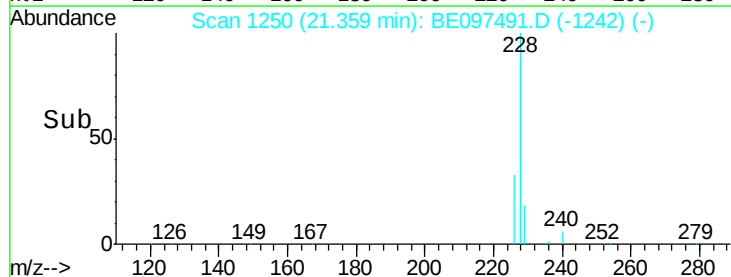
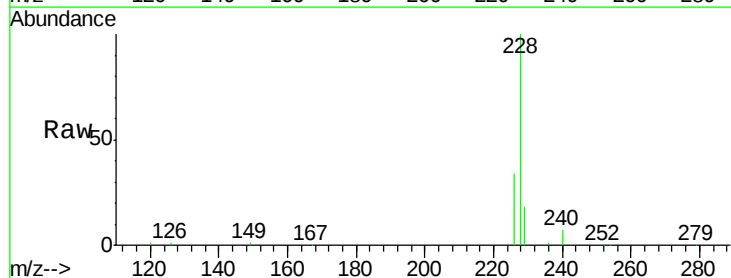
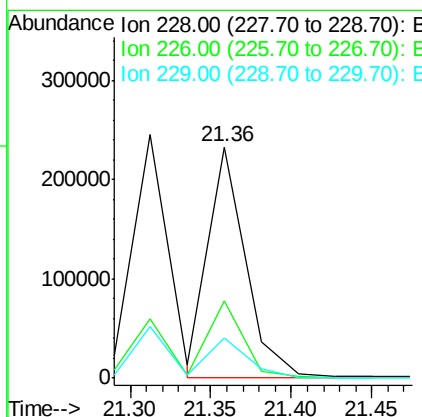
Manual Integrations
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#26
Chrysene
Concen: 1.82 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

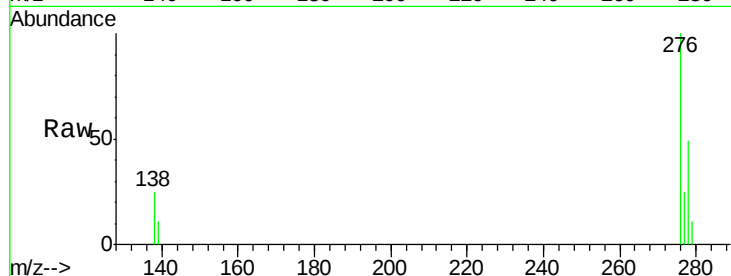
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	18.9	28.3
229	17.6	19.1	28.7





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.67 ng
 RT: 26.37 min Scan# 1651
 Delta R.T. -0.02 min
 Lab File: BE097491.D
 Acq: 18 Mar 2016 20:18

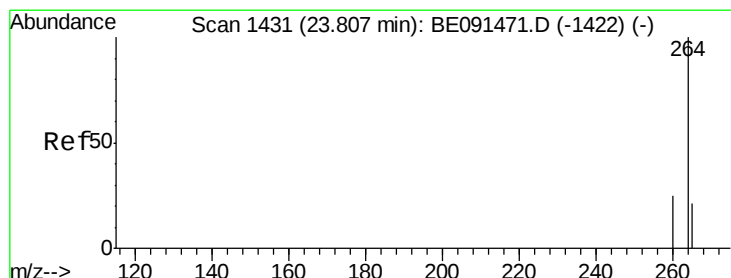
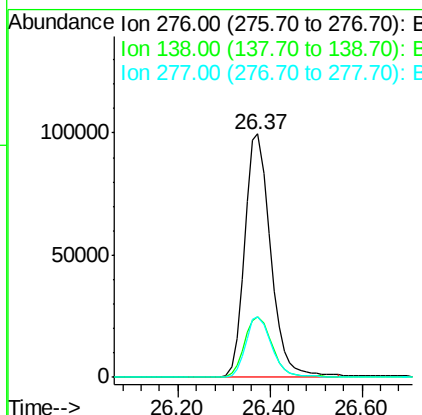
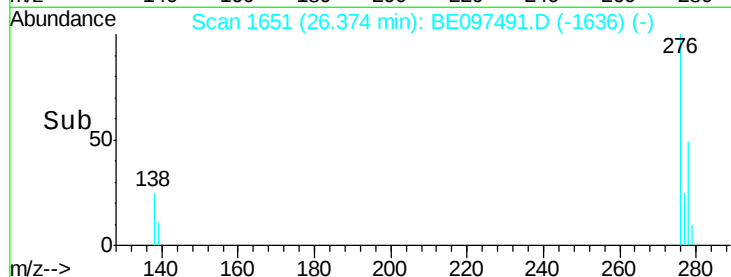
Instrument :
 BNA_E
 ClientSampleId :



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.5	20.2	30.4
277	24.9	19.8	29.8

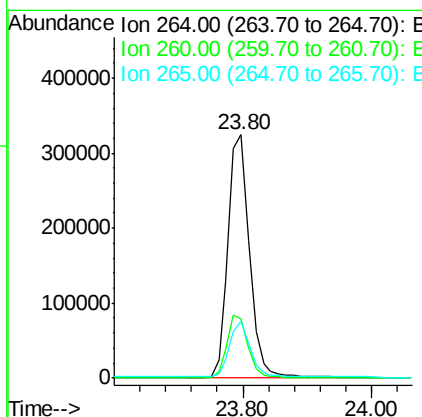
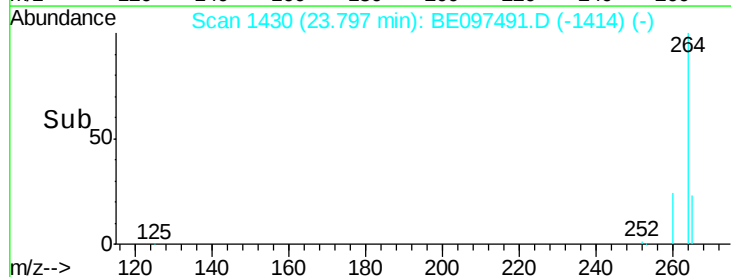
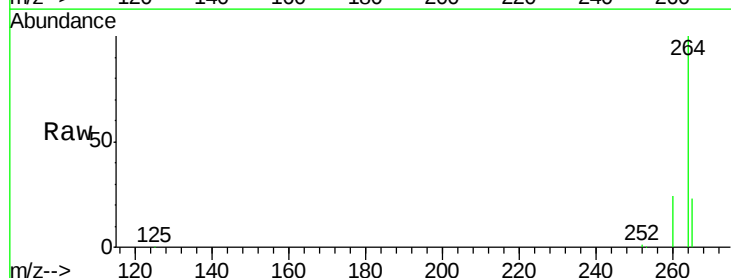
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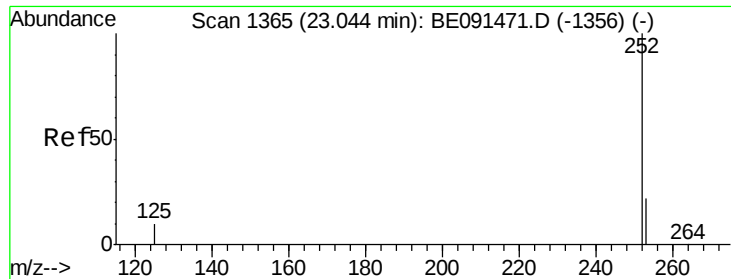
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.80 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BE097491.D
 Acq: 18 Mar 2016 20:18

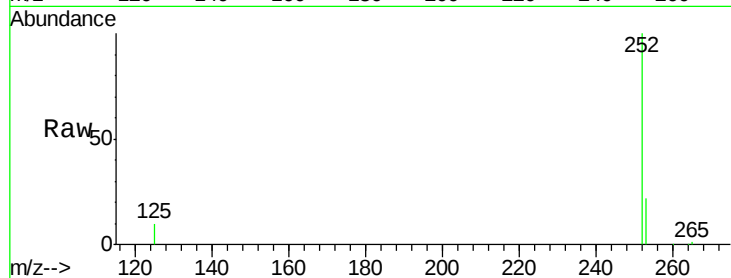
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.1	20.1	30.1
265	23.3	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 1.54 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

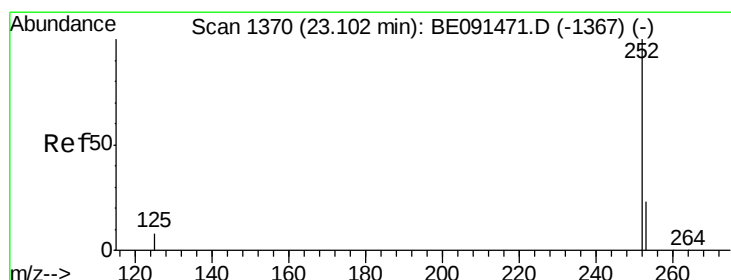
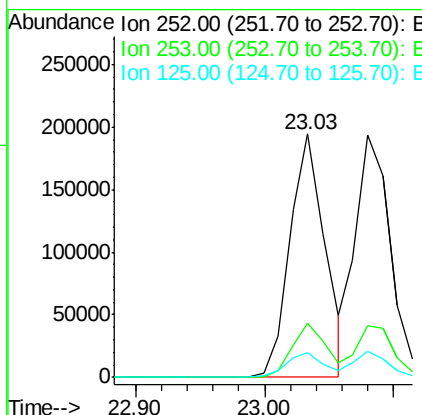
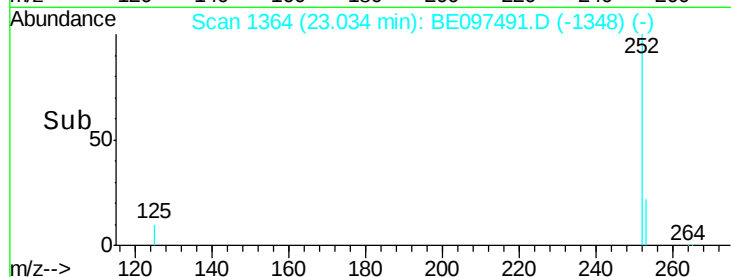
Instrument :
BNA_E
ClientSampled :



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	10.1	9.8	14.6

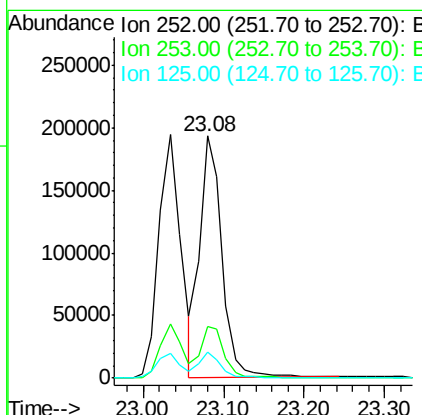
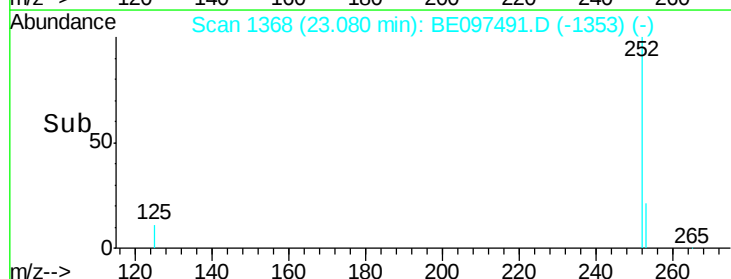
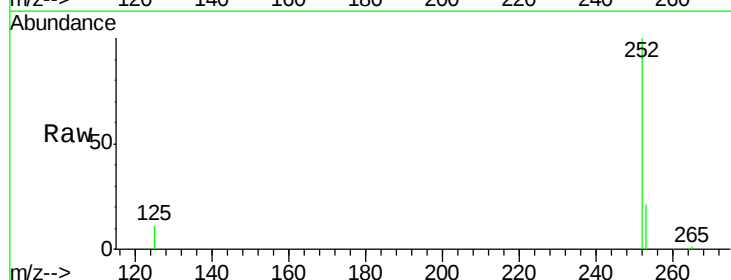
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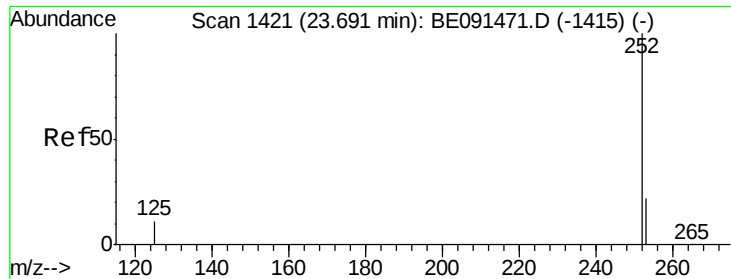
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#30
Benzo(k)fluoranthene
Concen: 1.52 ng
RT: 23.08 min Scan# 1368
Delta R.T. -0.02 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

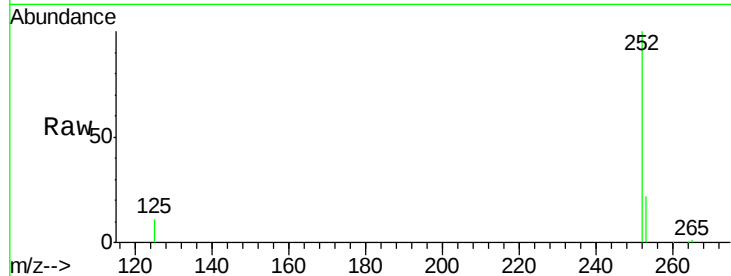
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	20.2	30.4
125	10.8	9.4	14.2





#31
Benzo(a)pyrene
Concen: 1.58 ng
RT: 23.68 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

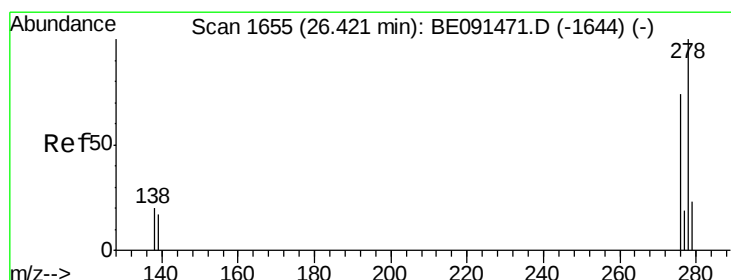
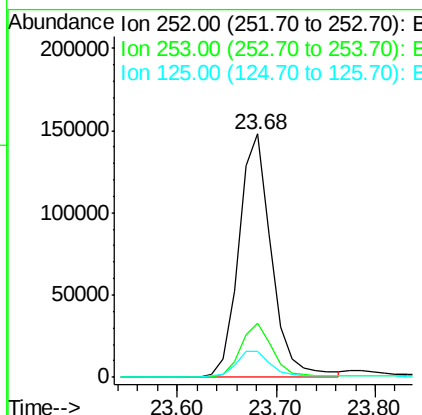
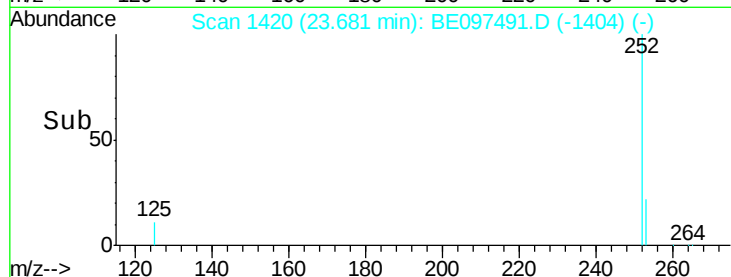
Instrument :
BNA_E
ClientSampleId :



Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.3	19.4	29.0
125	10.9	11.4	17.2

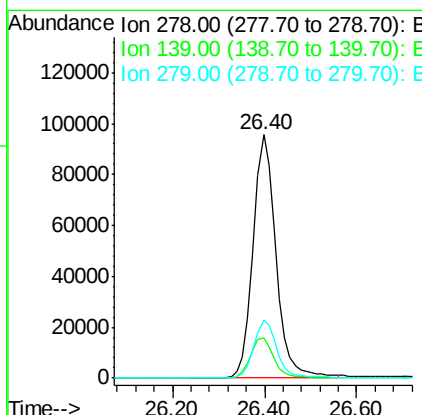
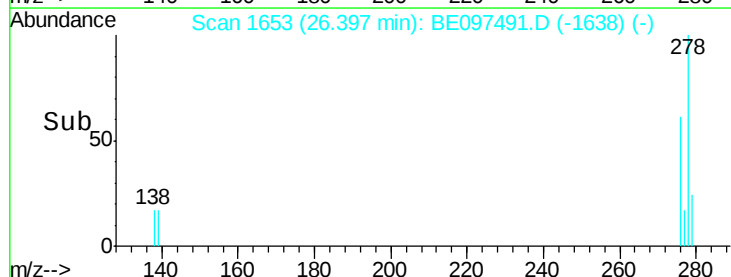
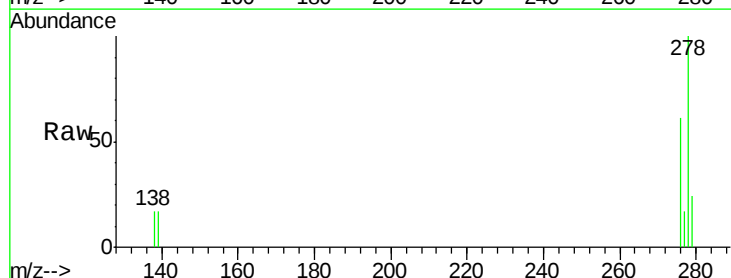
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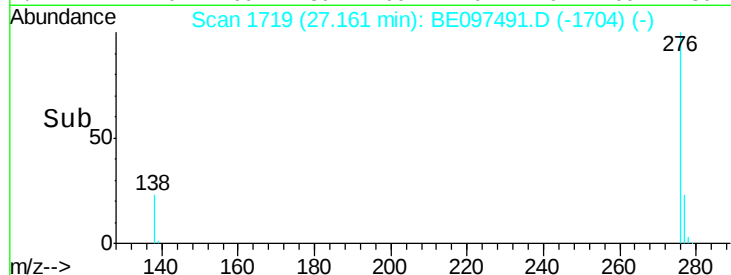
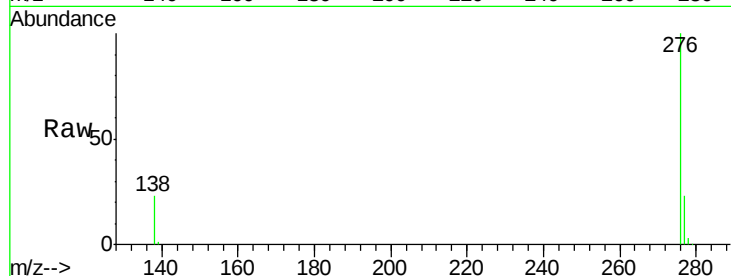
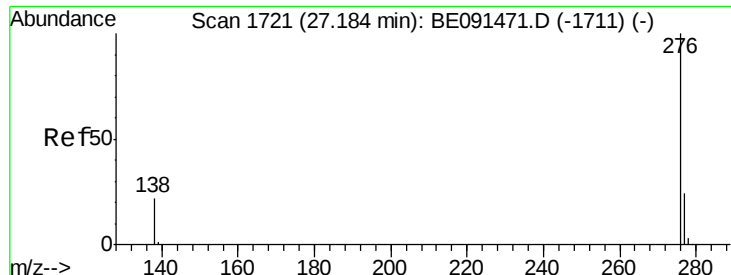
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#32
Dibenzo(a,h)anthracene
Concen: 1.59 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.02 min
Lab File: BE097491.D
Acq: 18 Mar 2016 20:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	16.6	14.2	21.4
279	23.8	19.6	29.4





#33
 Benzo(g,h,i)perylene
 Concen: 1.56 ng
 RT: 27.16 min Scan# 1719
 Delta R.T. -0.02 min
 Lab File: BE097491.D
 Acq: 18 Mar 2016 20:18

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:	276	Resp:	336334
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.4	29.2
138	22.9	18.2	27.4

Manual Integrations
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