

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE097493.D
 Acq On : 18 Mar 2016 21:33
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Manual Integrations
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Quant Time: Mar 19 00:40:42 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	65249	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	289642	5.00	ng	0.00
10) Acenaphthene-d10	14.44	164	167220	5.00	ng	0.00
16) Phenanthrene-d10	17.17	188	420814	5.00	ng	-0.01
22) Chrysene-d12	21.34	240	510058	5.00	ng	0.00
28) Perylene-d12	23.80	264	493650	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	5016	0.33	ng	0.00
5) Phenol-d6	6.99	99	6468	0.33	ng	0.00
7) Nitrobenzene-d5	8.98	82	4564	0.50	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	1386m	0.47	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	15233	0.36	ng	0.00
24) Terphenyl-d14	19.78	244	24688	0.40	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	3062	0.38	ng	99
3) n-Nitrosodimethylamine	3.68	42	3771	0.33	ng	100
8) Naphthalene	10.65	128	27434	0.39	ng	96
9) 2-Methylnaphthalene	12.26	142	16048	0.35	ng	95
13) Acenaphthylene	14.15	152	22964	0.40	ng	100
14) Acenaphthene	14.50	154	18921	0.37	ng	95
15) Fluorene	15.48	166	23540	0.36	ng	100
17) Hexachlorobenzene	16.48	284	6746	0.37	ng	96
18) Pentachlorophenol	16.83	266	1972	0.40	ng	# 86
19) Phenanthrene	17.22	178	45537	0.38	ng	99
20) Anthracene	17.30	178	35963	0.34	ng	100
21) Fluoranthene	19.22	202	44770	0.32	ng	98
23) Pyrene	19.57	202	46641	0.37	ng	98
25) Benzo(a)anthracene	21.31	228	56173	0.40	ng	# 90
26) Chrysene	21.36	228	66437m	0.50	ng	
27) Indeno(1,2,3-cd)pyrene	26.37	276	54197	0.37	ng	99
29) Benzo(b)fluoranthene	23.03	252	53827	0.34	ng	98
30) Benzo(k)fluoranthene	23.08	252	55224	0.35	ng	95
31) Benzo(a)pyrene	23.68	252	43102	0.31	ng	98
32) Dibenzo(a,h)anthracene	26.40	278	45659	0.34	ng	99
33) Benzo(g,h,i)perylene	27.16	276	47798	0.34	ng	100

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

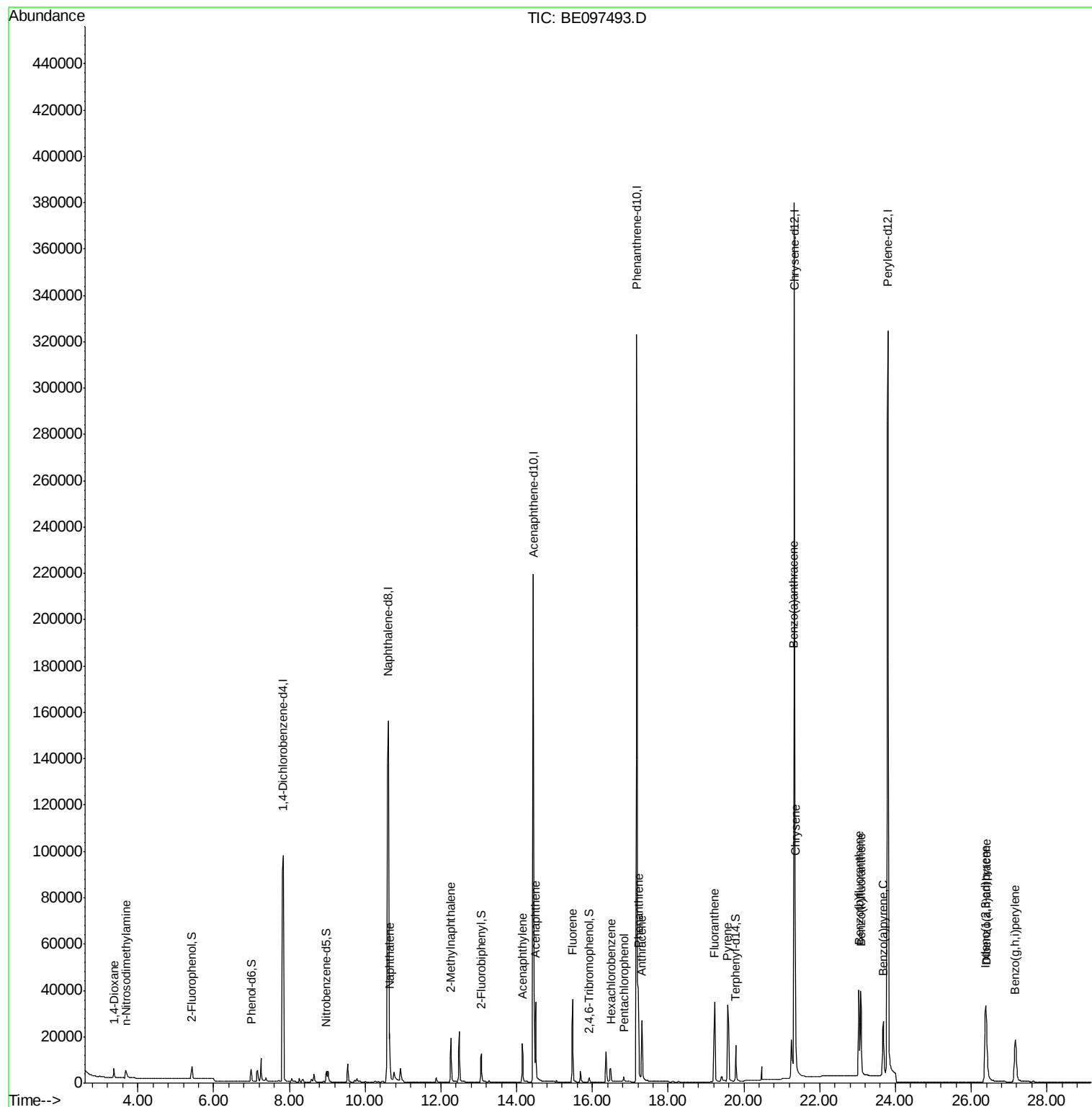
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE097493.D
Acq On : 18 Mar 2016 21:33
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Misc :
ALS Vial : 2 Sample Multiplier: 1

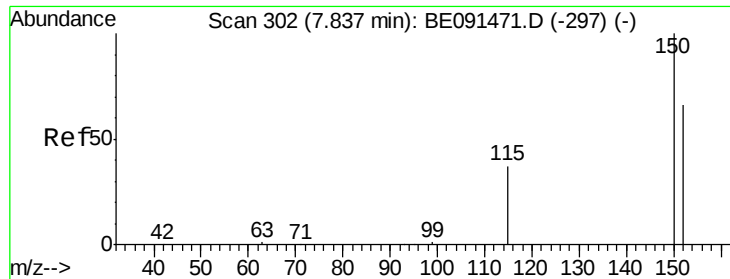
Instrument :
BNA_E
ClientSampleId :

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Quant Time: Mar 19 00:40:42 2016
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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

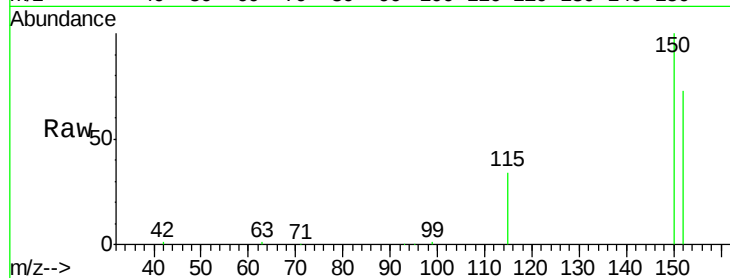
Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 152 Resp: 65249

Ion Ratio Lower Upper

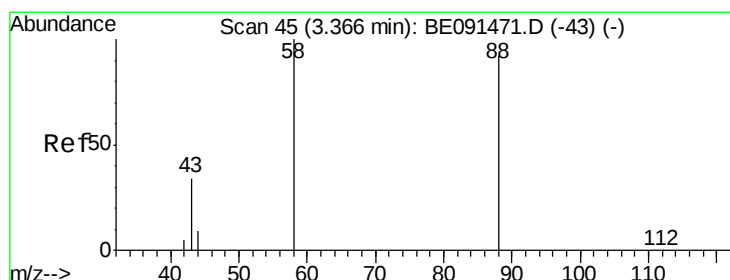
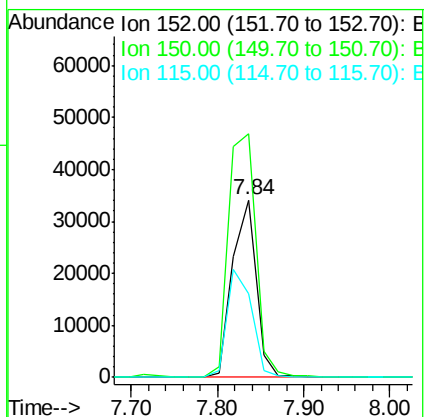
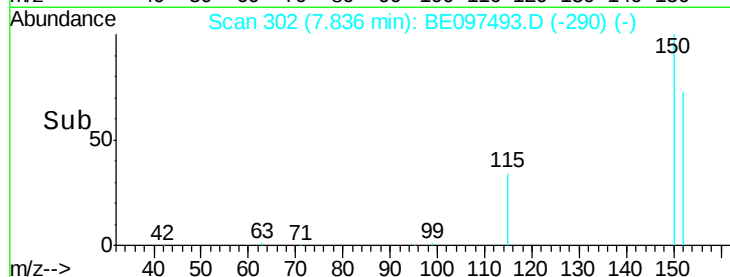
152 100

150 137.3 122.2 183.2

115 47.2 45.9 68.9

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#2

1,4-Dioxane

Concen: 0.38 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

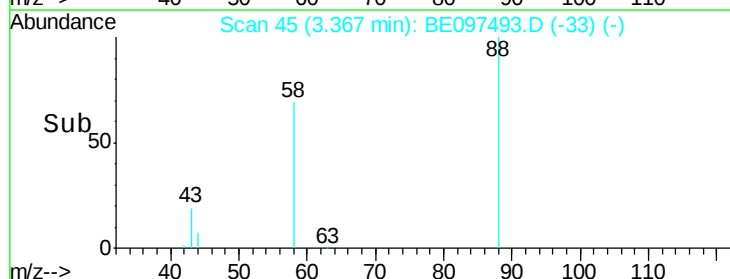
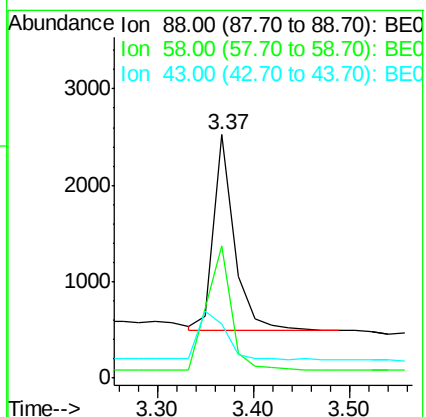
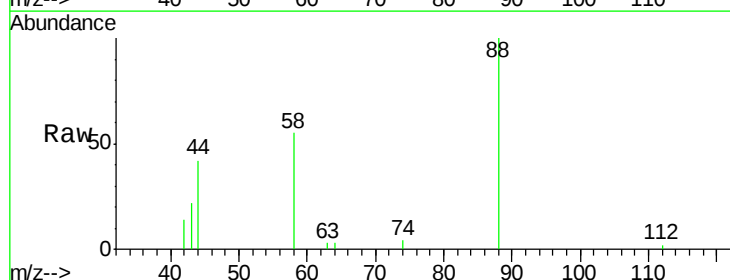
Tgt Ion: 88 Resp: 3062

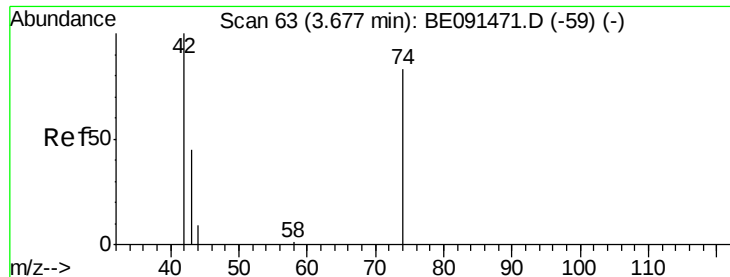
Ion Ratio Lower Upper

88 100

58 75.1 61.0 91.6

43 32.4 25.4 38.2

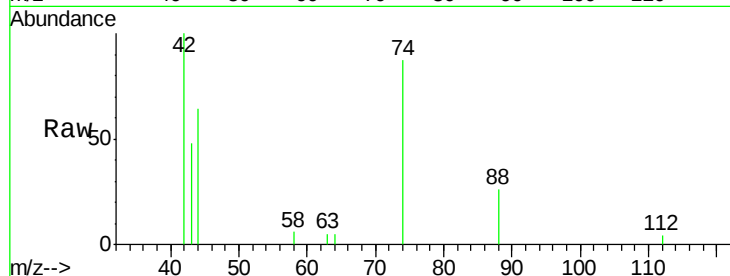




#3

n-Nitrosodimethylamine
Concen: 0.33 ng
RT: 3.68 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

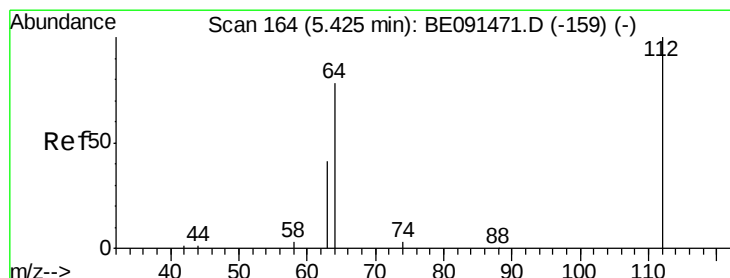
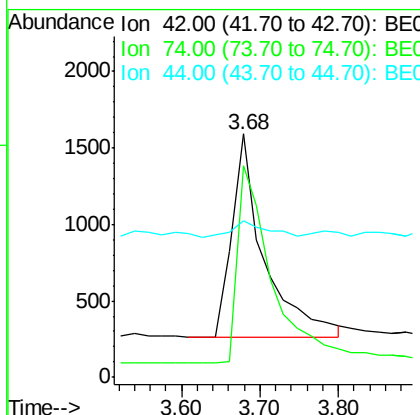
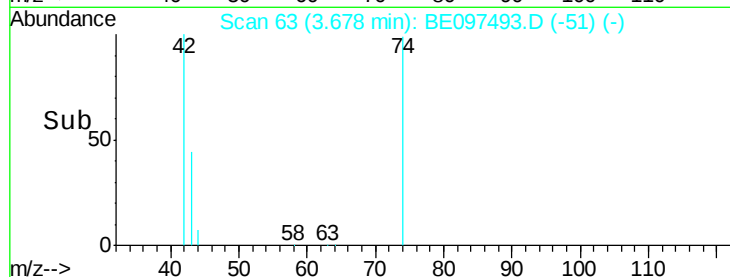
Instrument :
BNA_E
ClientSampleId :



Tgt Ion: 42 Resp: 3771
Ion Ratio Lower Upper
42 100
74 105.6 84.3 126.5
44 9.0 6.7 10.1

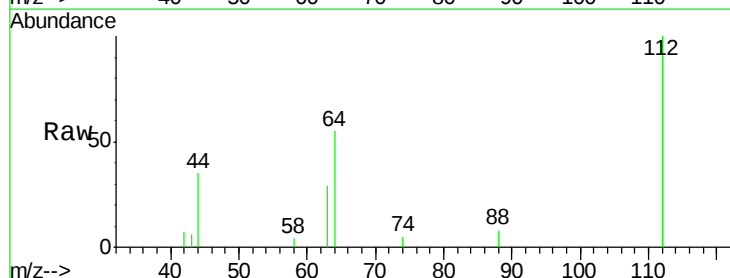
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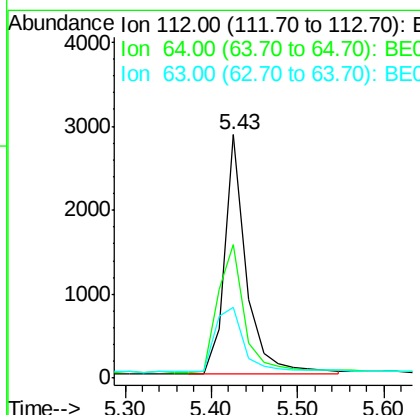
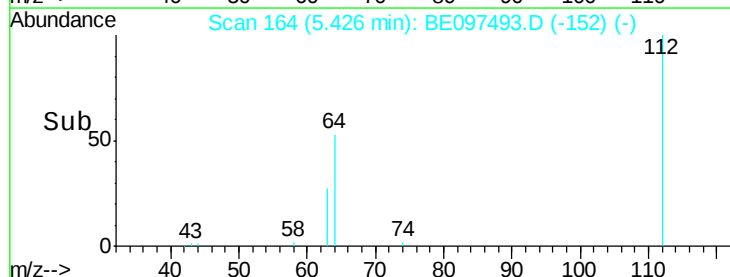


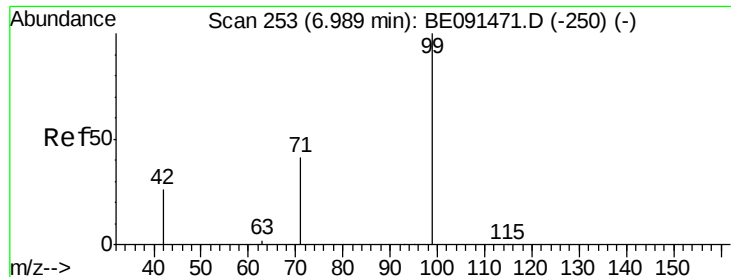
#4

2-Fluorophenol
Concen: 0.33 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33



Tgt Ion: 112 Resp: 5016
Ion Ratio Lower Upper
112 100
64 65.6 53.3 79.9
63 37.7 29.8 44.8





#5

Phenol-d6

Concen: 0.33 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Instrument :

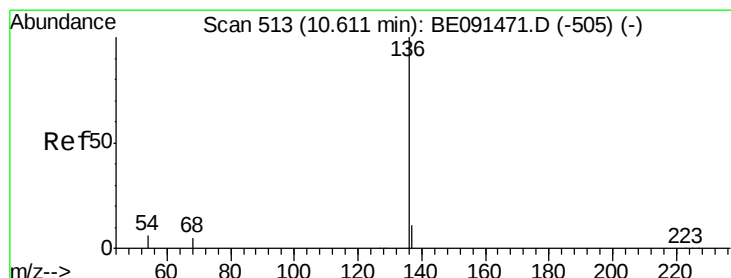
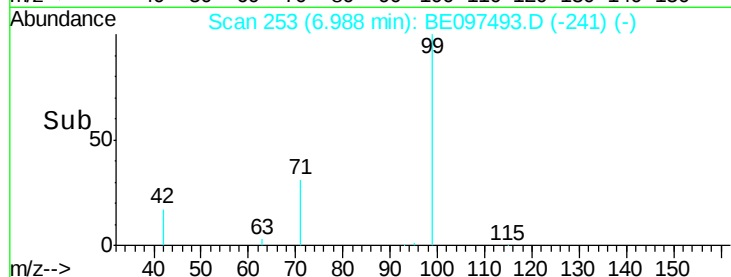
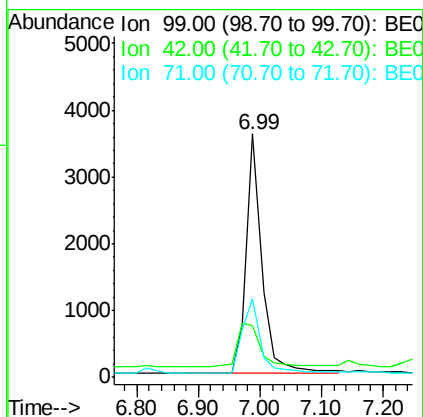
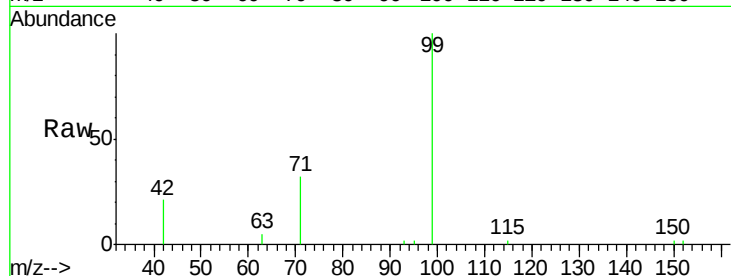
BNA_E

ClientSampled :

Tgt Ion:	99	Resp:	6468
Ion	Ratio	Lower	Upper
99	100		
42	27.7	20.6	30.8
71	36.2	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

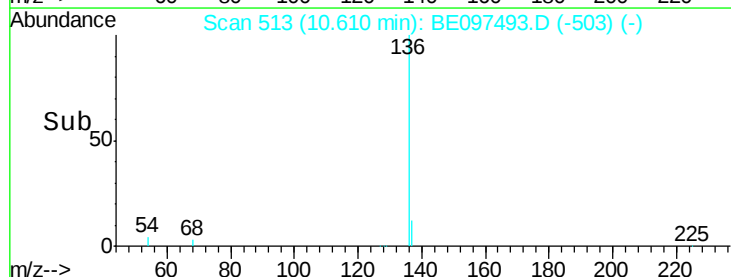
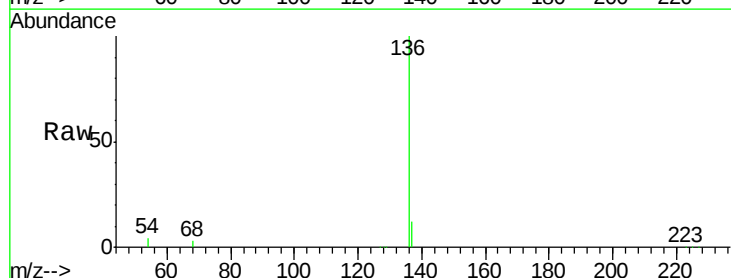
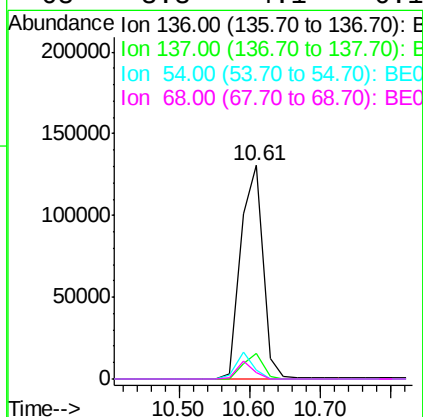
RT: 10.61 min Scan# 513

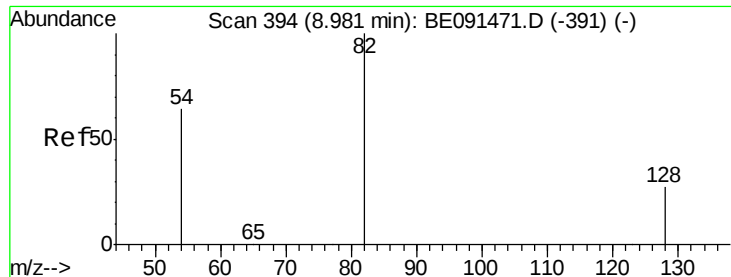
Delta R.T. -0.00 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Tgt Ion:	136	Resp:	289642
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.8	13.2
54	3.9	5.2	7.8#
68	3.3	4.1	6.1#





#7

Nitrobenzene-d5

Concen: 0.50 ng

RT: 8.98 min Scan# 394

Delta R.T. 0.00 min

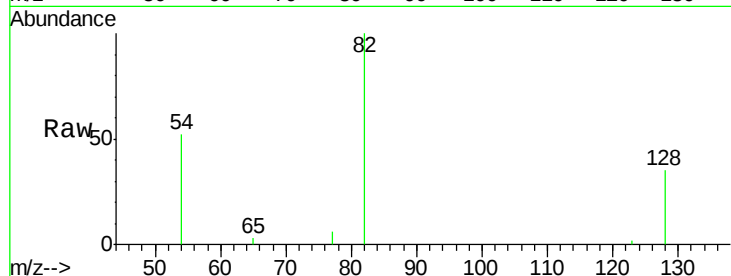
Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

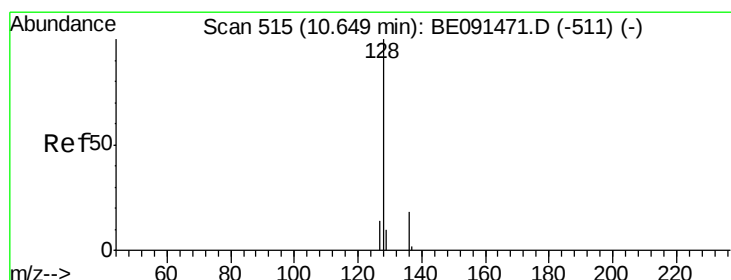
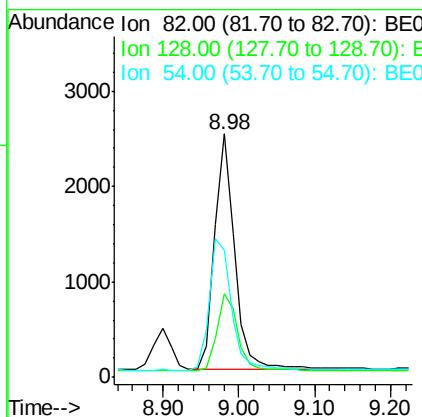
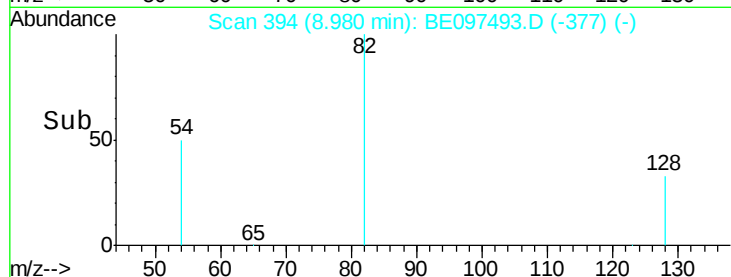
ClientSampleId :



Tgt Ion:	82	Resp:	4564
Ion	Ratio	Lower	Upper
82	100		
128	34.5	23.5	35.3
54	52.0	52.4	78.6#

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#8

Naphthalene

Concen: 0.39 ng

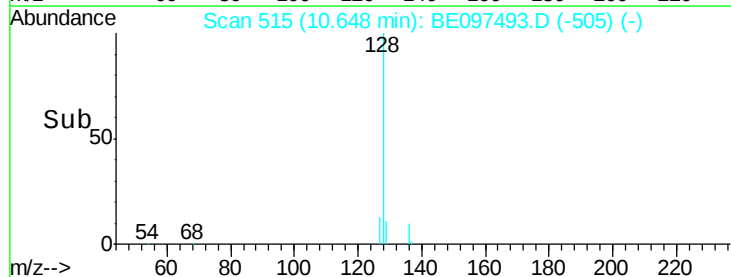
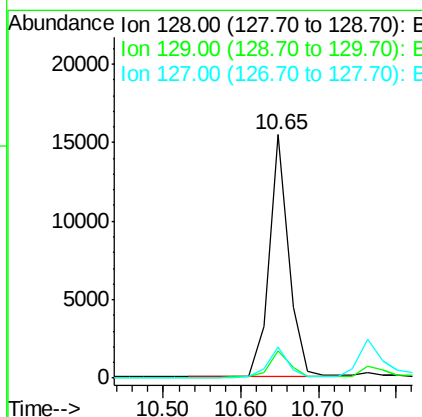
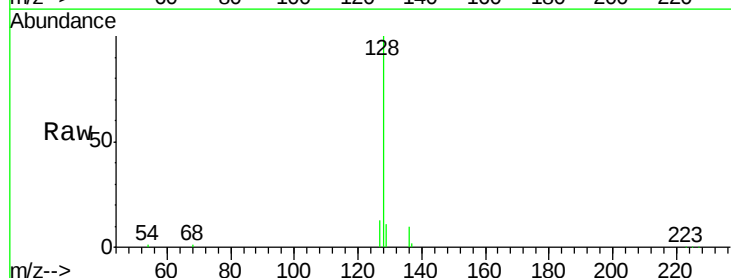
RT: 10.65 min Scan# 515

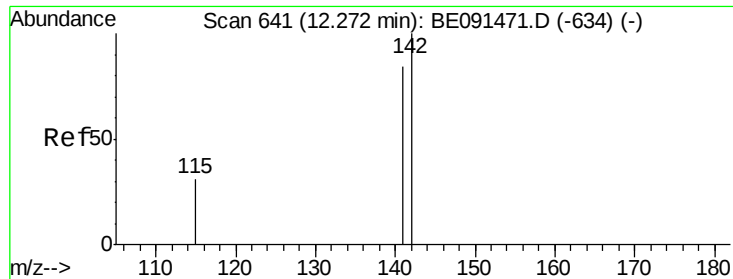
Delta R.T. -0.00 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Tgt Ion:	128	Resp:	27434
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.2	12.2
127	13.0	11.8	17.8





#9

2-Methylnaphthalene

Concen: 0.35 ng

RT: 12.26 min Scan# 640

Delta R.T. -0.01 min

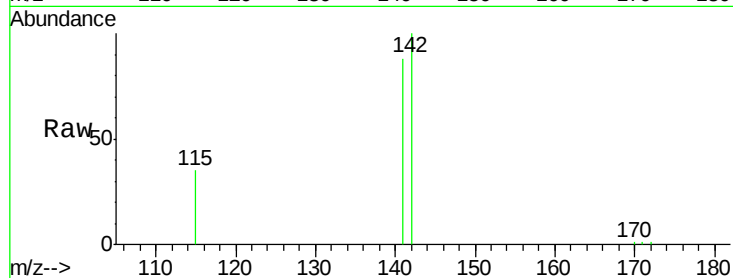
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Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

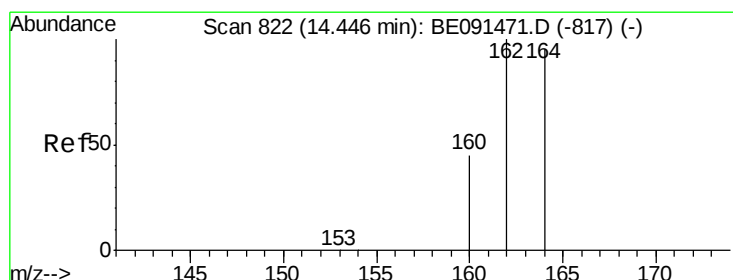
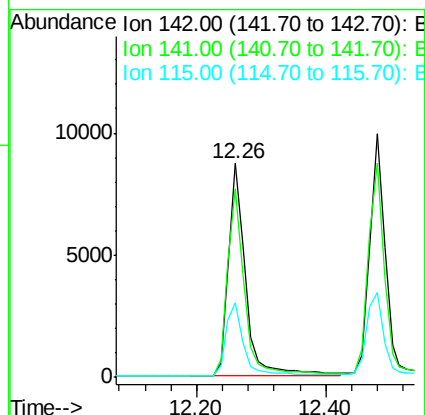
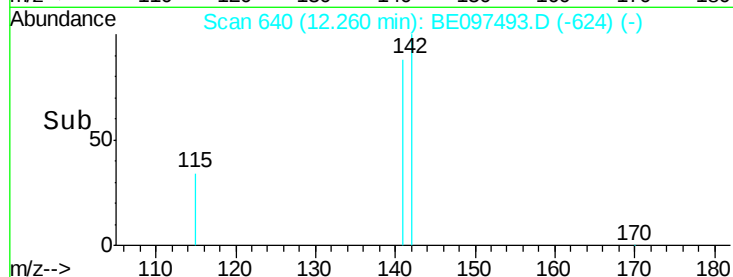
ClientSampleId :



Tgt Ion:	142	Resp:	16048
Ion Ratio	Lower	Upper	
142	100		
141	88.1	66.9	100.3
115	34.7	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

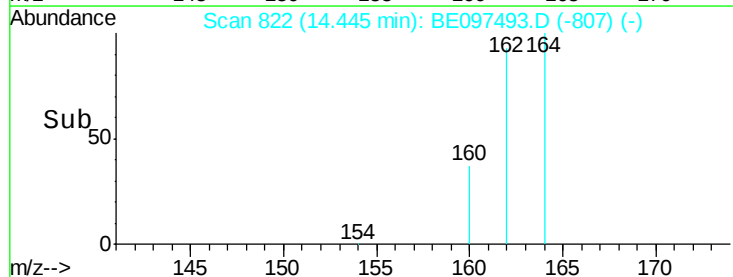
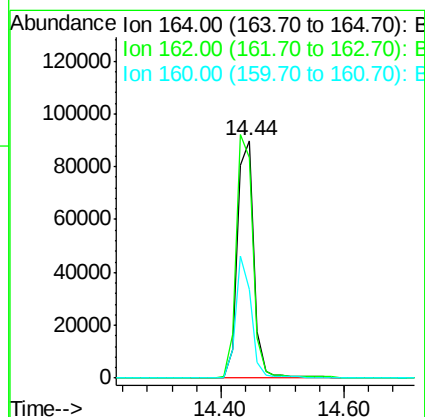
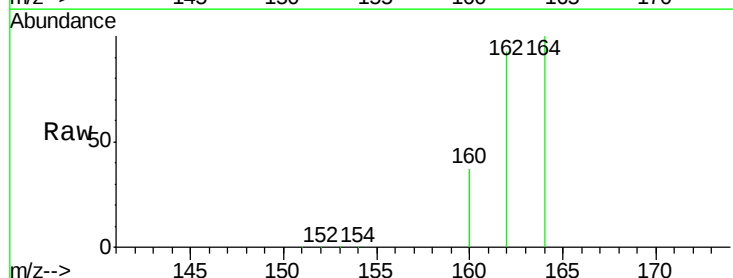
RT: 14.44 min Scan# 822

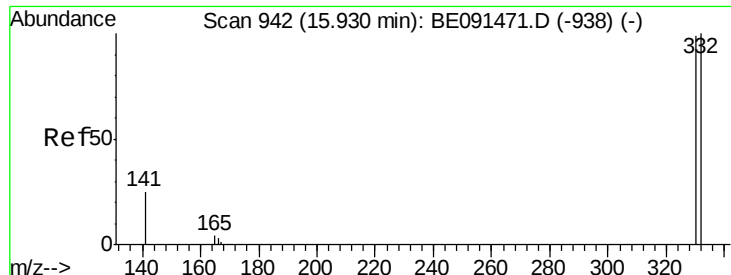
Delta R.T. -0.00 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

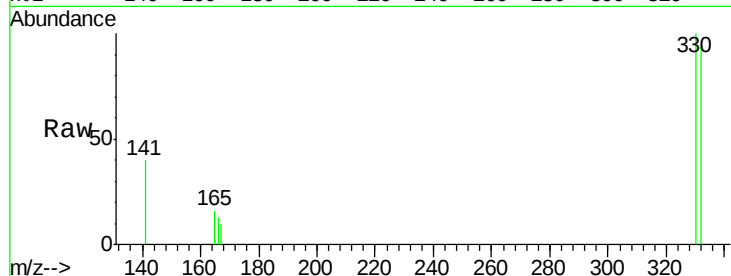
Tgt Ion:	164	Resp:	167220
Ion Ratio	Lower	Upper	
164	100		
162	92.8	84.4	126.6
160	37.4	37.7	56.5#





#11
 2,4,6-Tribromophenol
 Concen: 0.47 ng m
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE097493.D
 Acq: 18 Mar 2016 21:33

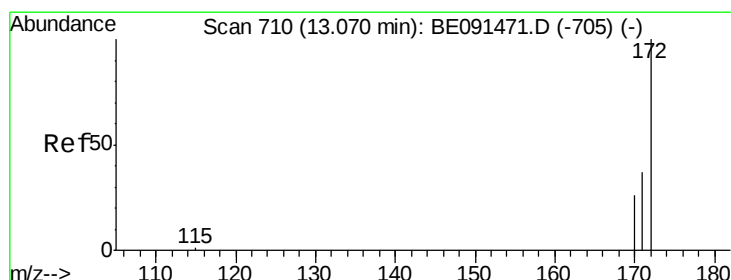
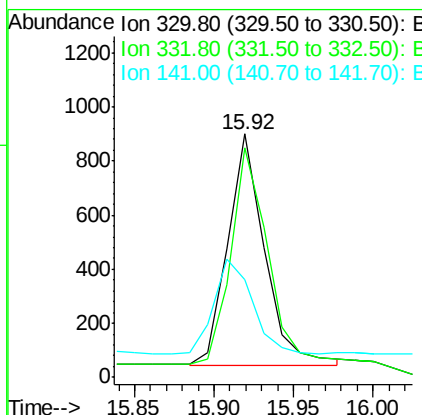
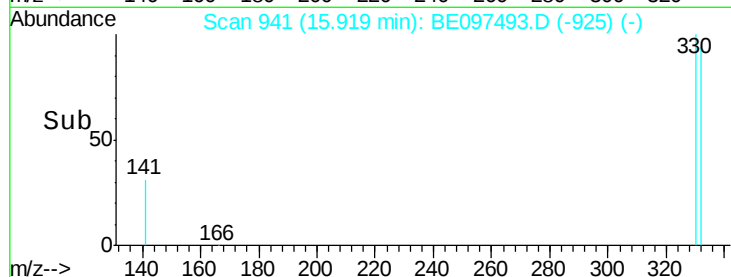
Instrument :
 BNA_E
 ClientSampleId :



Tgt Ion:330 Resp: 1386
 Ion Ratio Lower Upper
 330 100
 332 139.8 79.2 118.8#
 141 42.9 28.1 42.1#

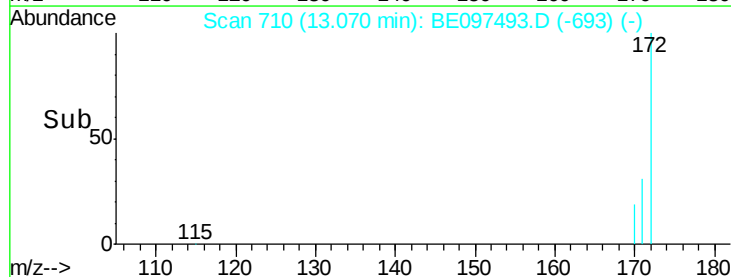
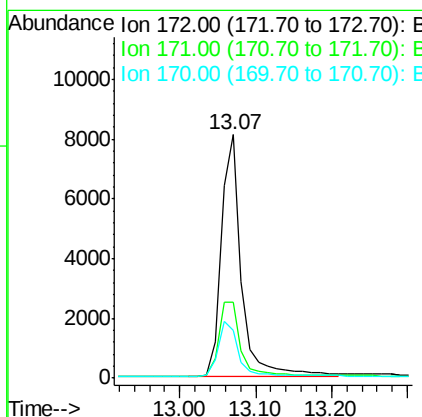
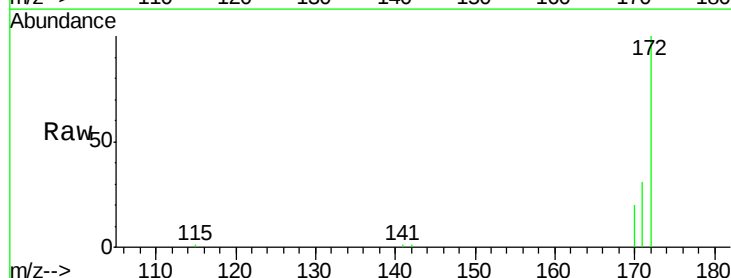
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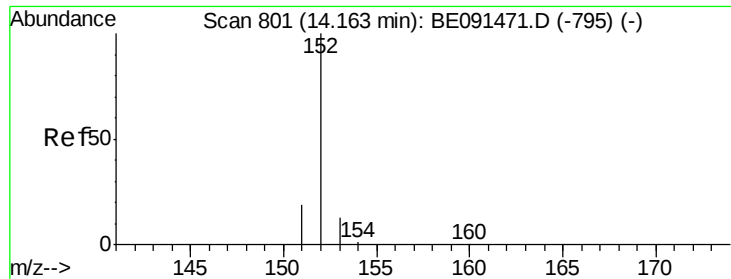
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#12
 2-Fluorobiphenyl
 Concen: 0.36 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE097493.D
 Acq: 18 Mar 2016 21:33

Tgt Ion:172 Resp: 15233
 Ion Ratio Lower Upper
 172 100
 171 31.4 29.8 44.8
 170 19.8 21.4 32.2#





#13

Acenaphthylene

Concen: 0.40 ng

RT: 14.15 min Scan# 800

Delta R.T. -0.01 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Instrument :

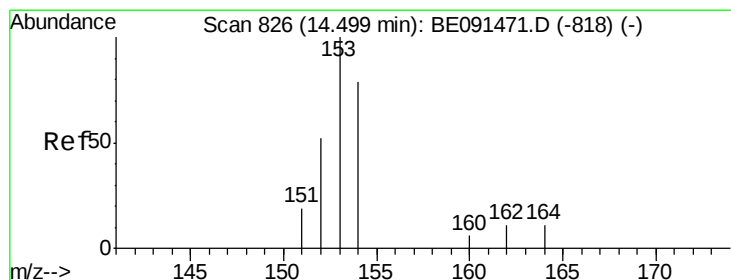
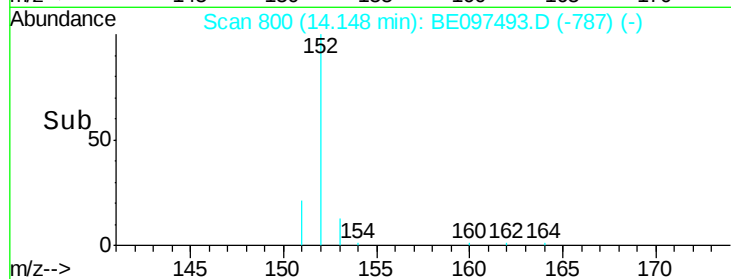
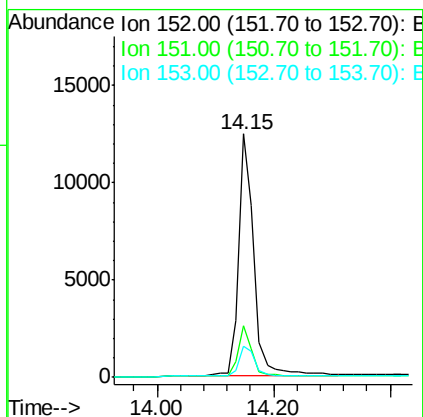
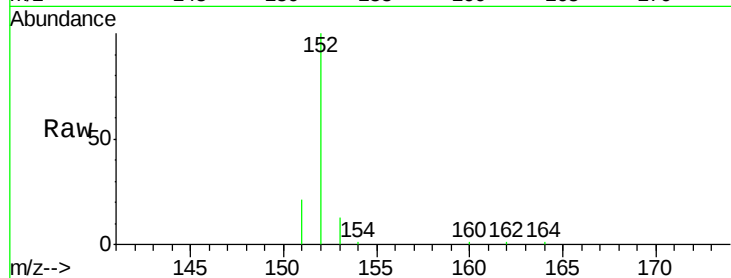
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ClientSampleId :

Tgt Ion:	152	Resp:	22964
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	13.7	11.1	16.7

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#14

Acenaphthene

Concen: 0.37 ng

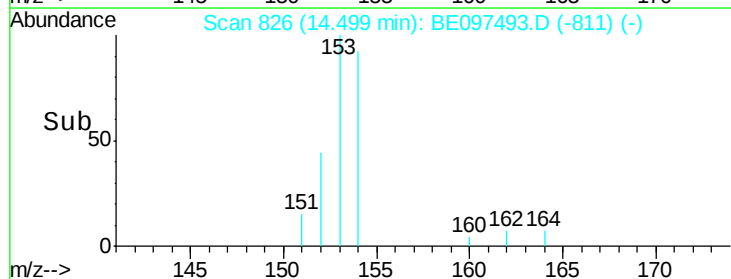
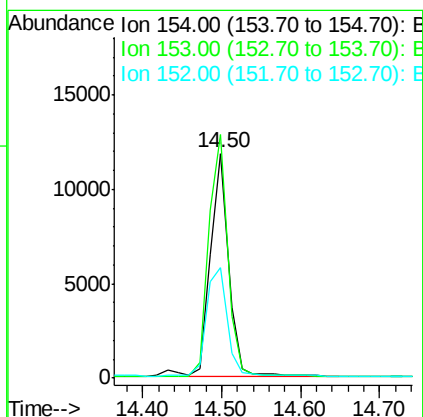
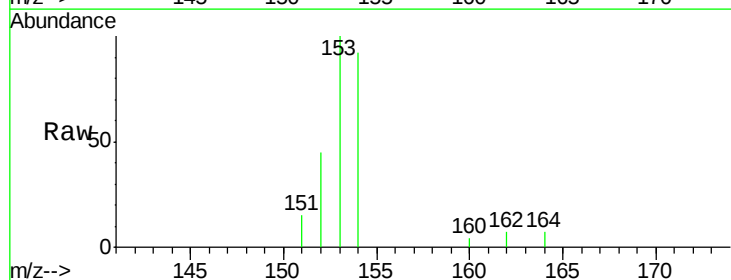
RT: 14.50 min Scan# 826

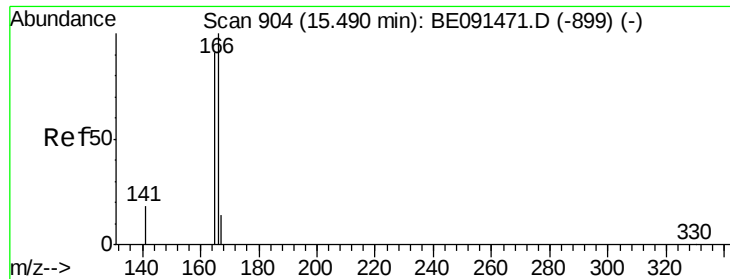
Delta R.T. -0.00 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Tgt Ion:	154	Resp:	18921
Ion Ratio	Lower	Upper	
154	100		
153	114.8	87.3	130.9
152	55.7	42.9	64.3





#15

Fluorene

Concen: 0.36 ng

RT: 15.48 min Scan# 903

Delta R.T. -0.01 min

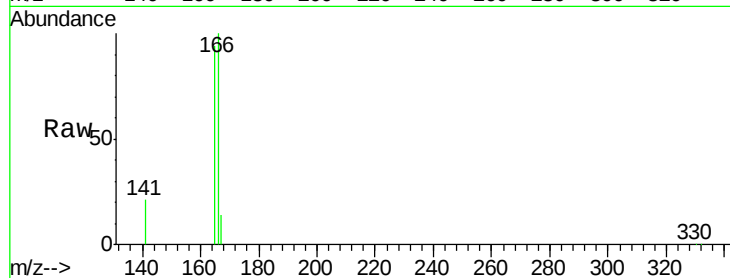
Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

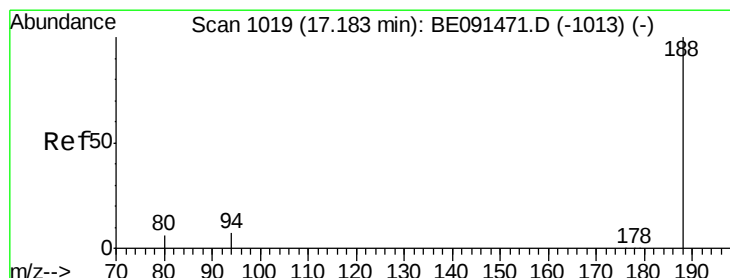
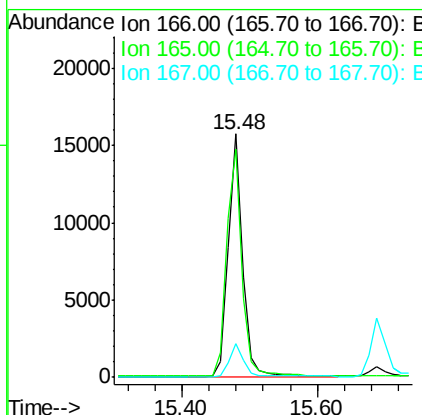
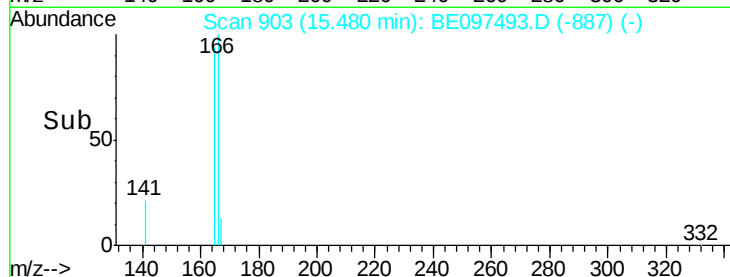
ClientSampleId :



Tgt Ion:	166	Resp:	23540
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.2	118.8
167	13.4	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

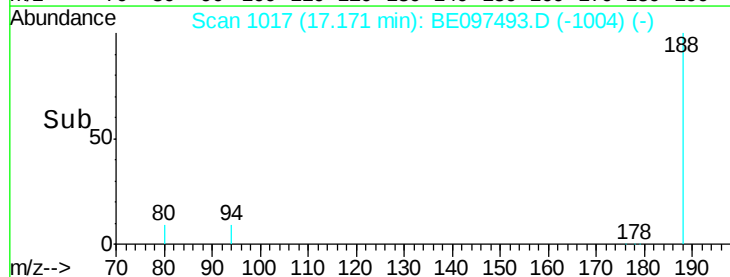
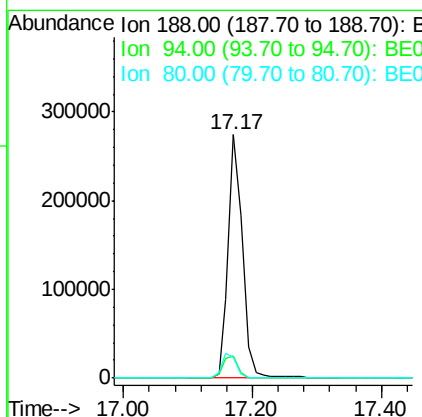
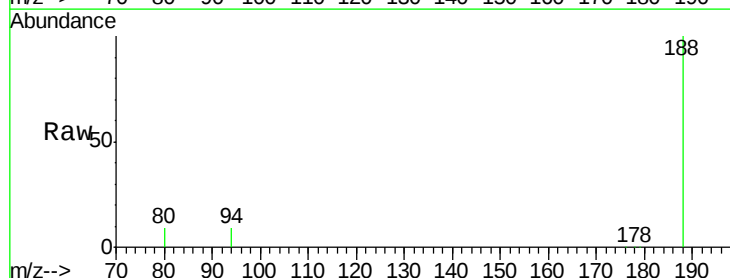
RT: 17.17 min Scan# 1017

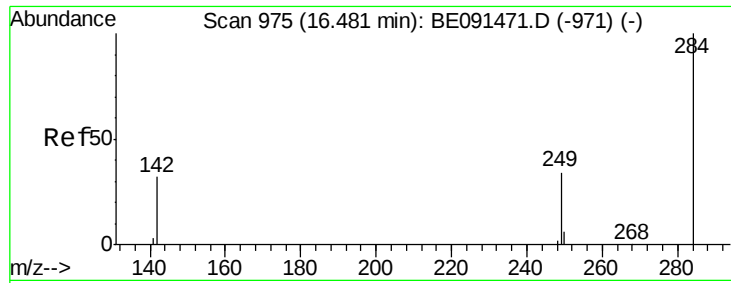
Delta R.T. -0.01 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

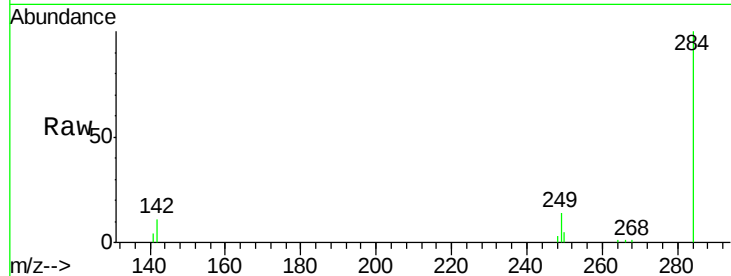
Tgt Ion:	188	Resp:	420814
Ion Ratio	Lower	Upper	
188	100		
94	8.8	5.4	8.2#
80	8.8	5.0	7.4#





#17
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

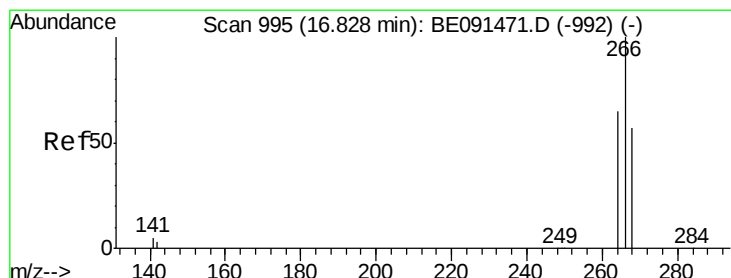
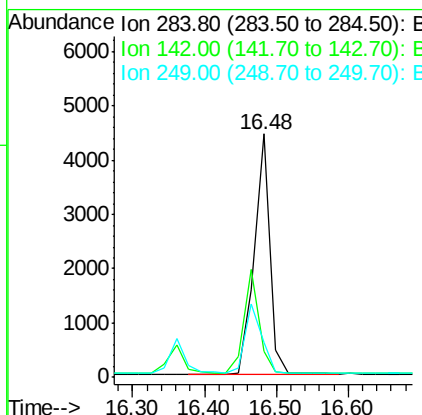
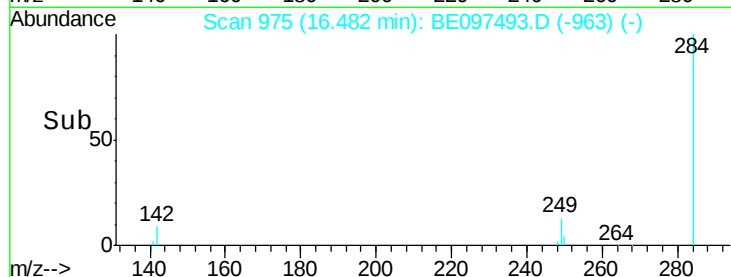
Instrument :
BNA_E
ClientSampleId :



Tgt Ion: 284 Resp: 6746
Ion Ratio Lower Upper
284 100
142 40.8 31.0 46.4
249 30.2 25.8 38.8

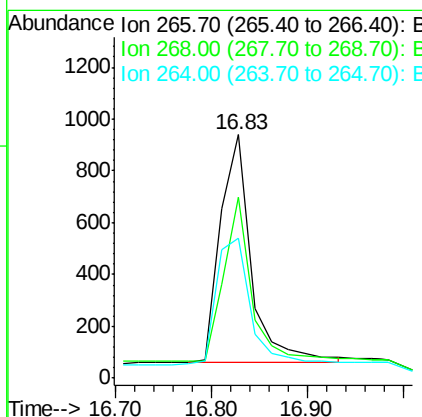
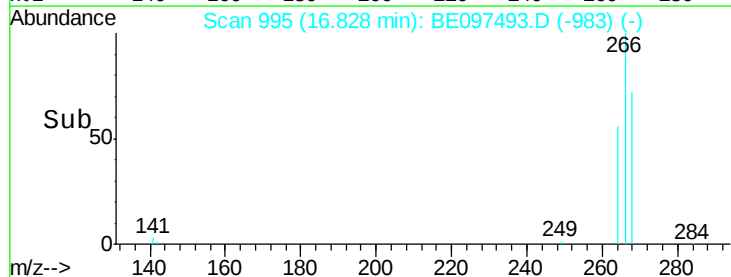
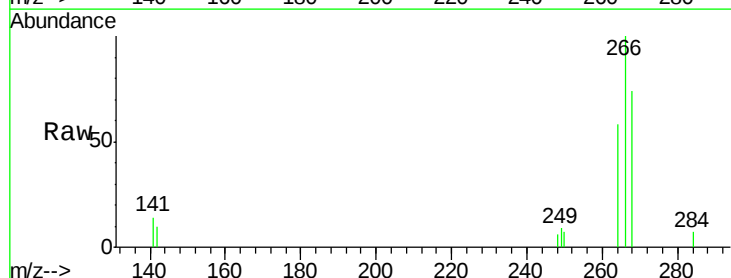
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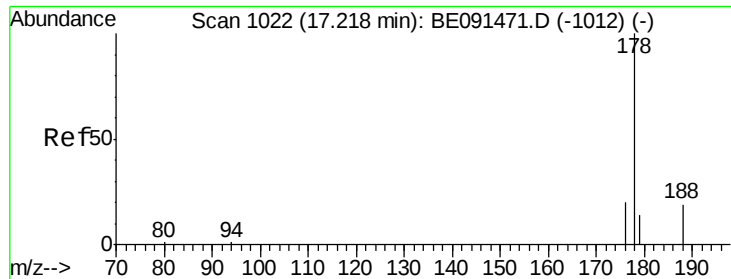
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#18
Pentachlorophenol
Concen: 0.40 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

Tgt Ion: 266 Resp: 1972
Ion Ratio Lower Upper
266 100
268 74.3 48.2 72.2#
264 57.6 52.1 78.1





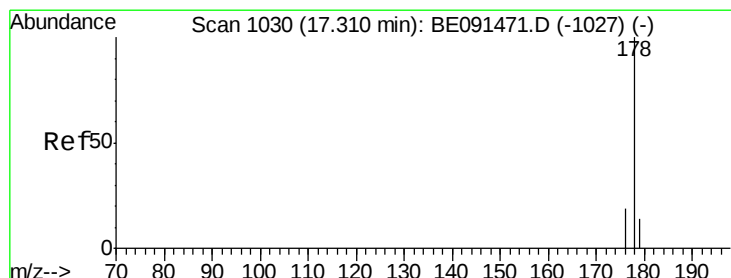
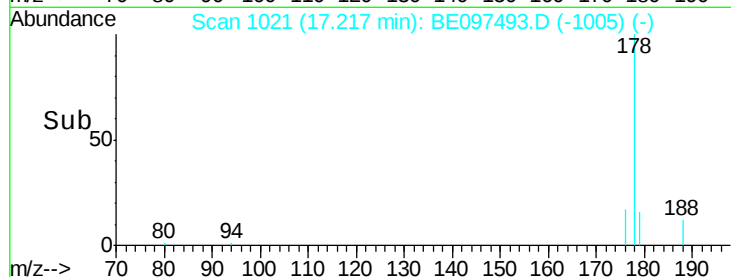
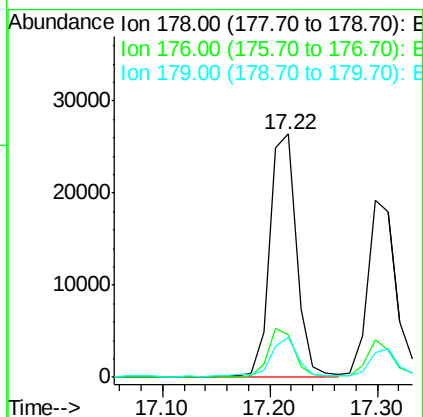
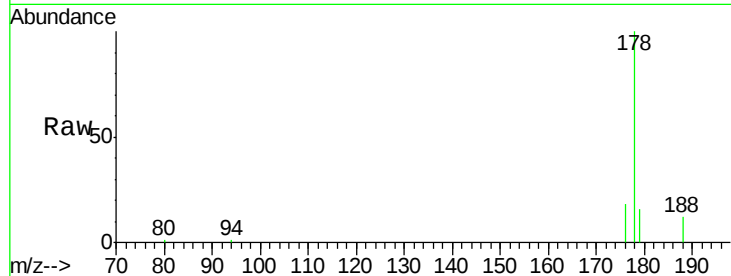
#19
Phenanthrene
Concen: 0.38 ng
RT: 17.22 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.8	13.1	19.7

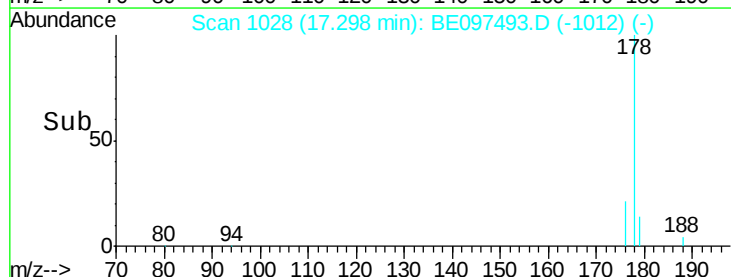
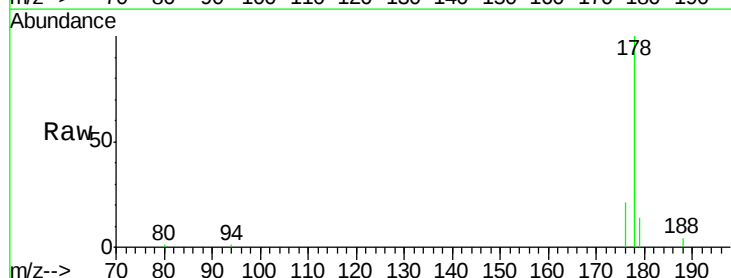
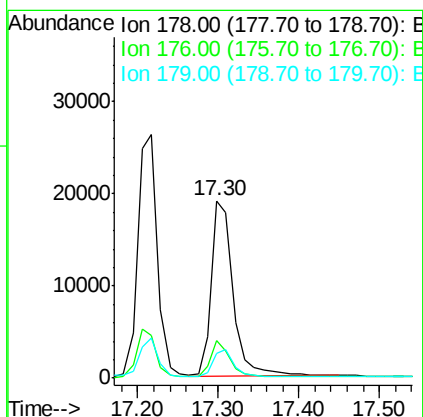
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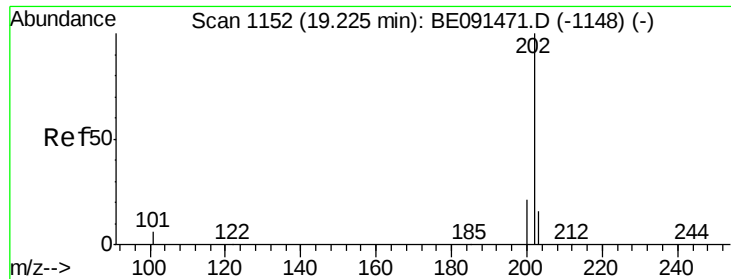
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#20
Anthracene
Concen: 0.34 ng
RT: 17.30 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.3	12.2	18.4





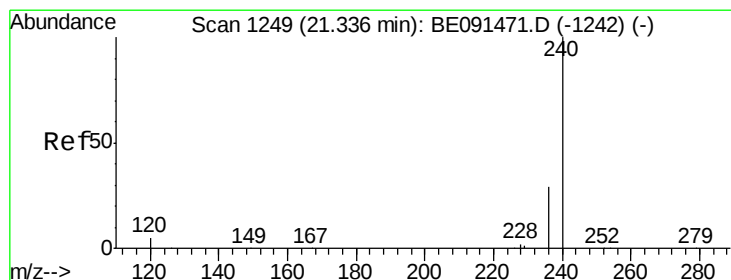
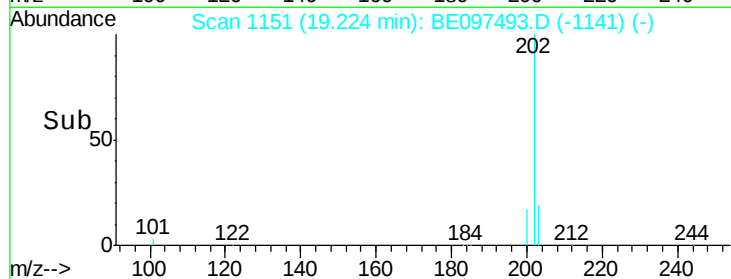
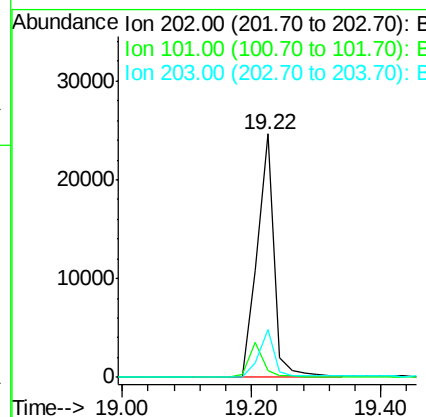
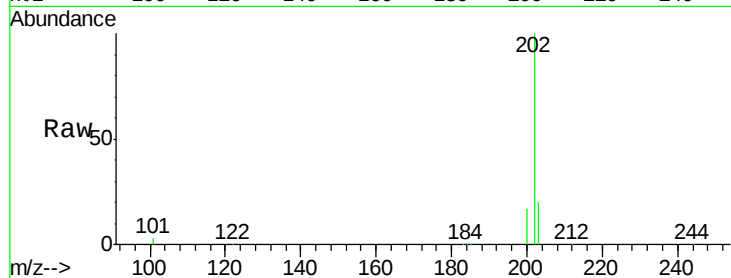
#21
 Fluoranthene
 Concen: 0.32 ng
 RT: 19.22 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: BE097493.D
 Acq: 18 Mar 2016 21:33

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.8	8.3	12.5
203	17.8	13.9	20.9

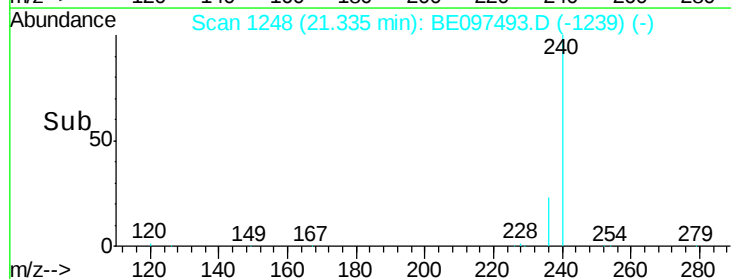
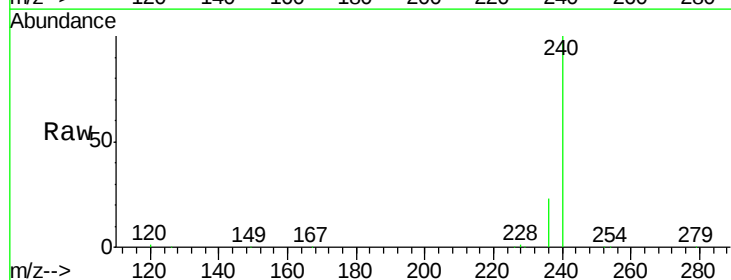
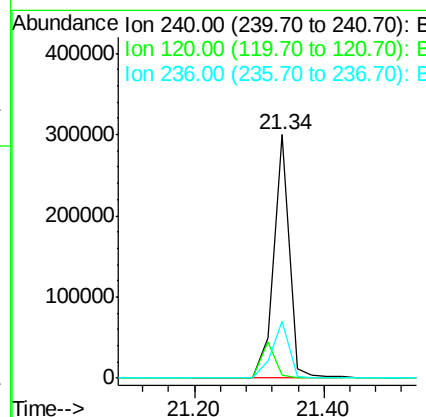
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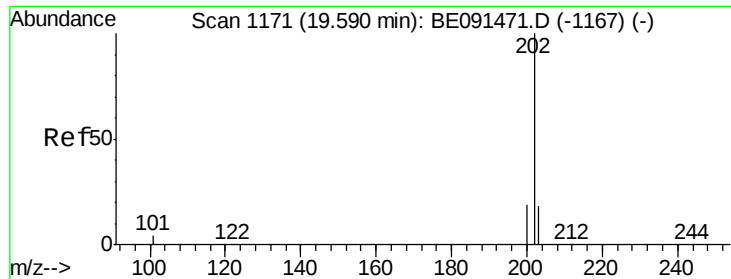
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#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BE097493.D
 Acq: 18 Mar 2016 21:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	1.4	4.0	6.0#
236	23.1	23.0	34.4





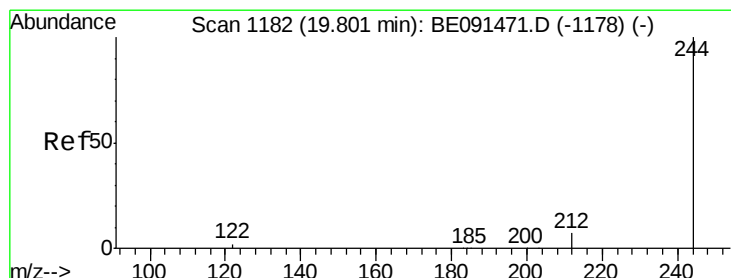
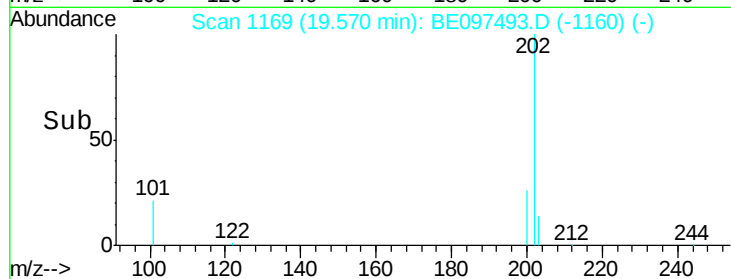
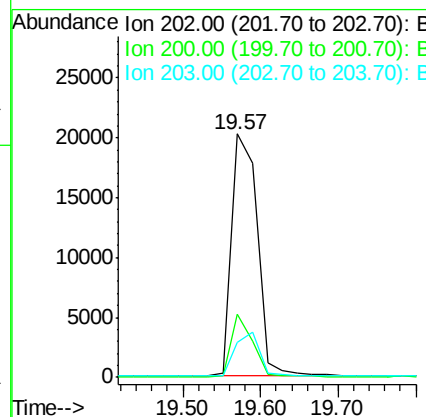
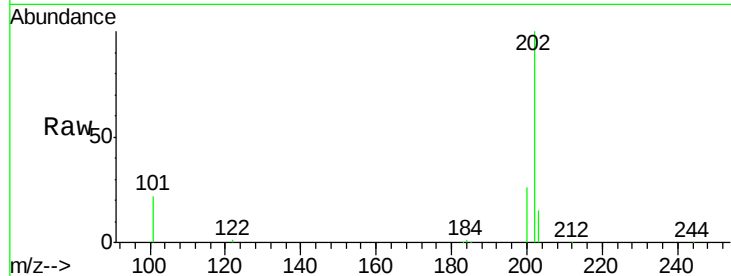
#23
 Pyrene
 Concen: 0.37 ng
 RT: 19.57 min Scan# 1169
 Delta R.T. -0.02 min
 Lab File: BE097493.D
 Acq: 18 Mar 2016 21:33

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	46641		
200	21.4		16.4	24.6
203	17.7		14.6	21.8

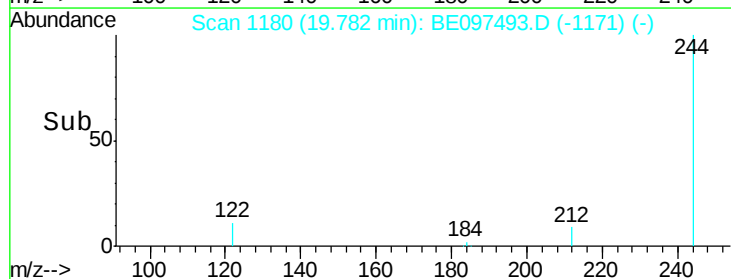
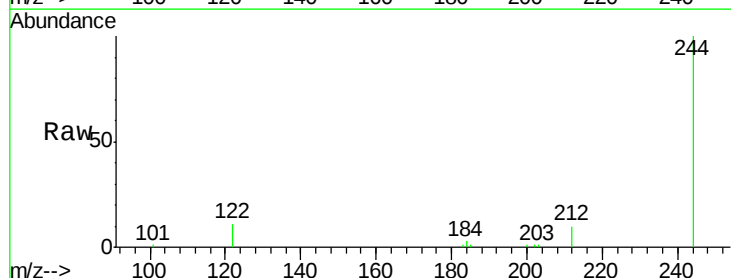
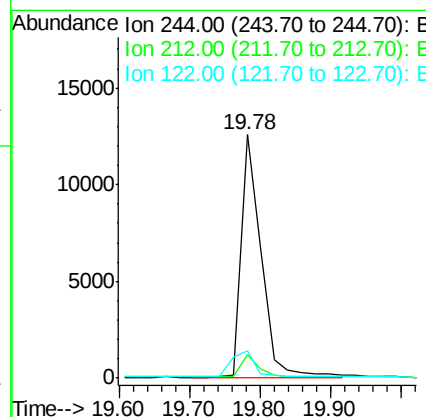
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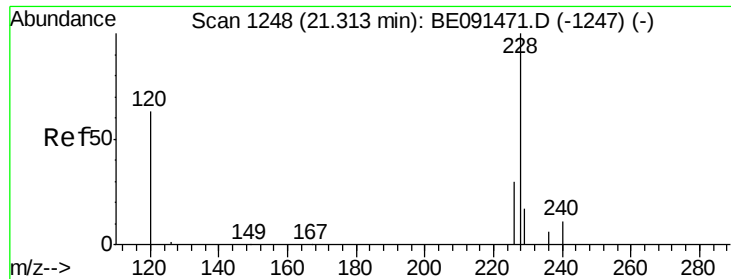
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#24
 Terphenyl-d14
 Concen: 0.40 ng
 RT: 19.78 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BE097493.D
 Acq: 18 Mar 2016 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	24688		
212	9.7		5.8	8.8#
122	11.2		1.8	2.8#





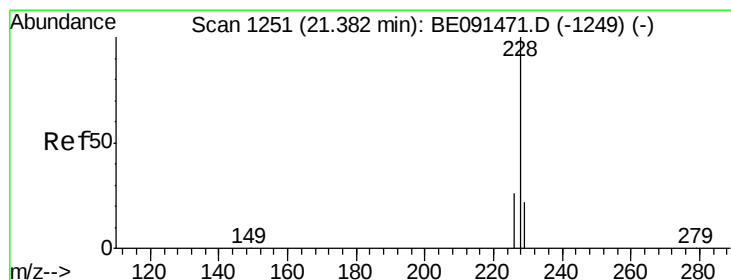
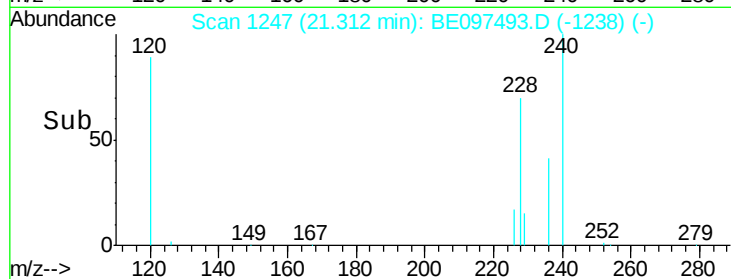
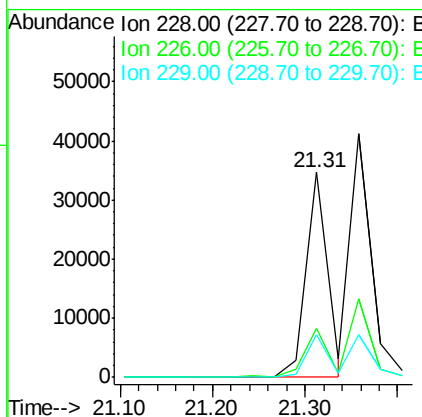
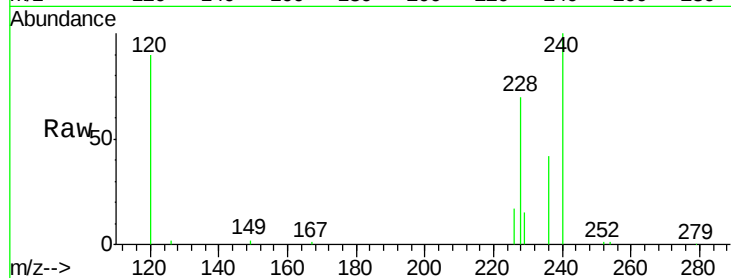
#25
Benzo(a)anthracene
Concen: 0.40 ng
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.8	24.0	36.0#
229	21.0	13.8	20.6#

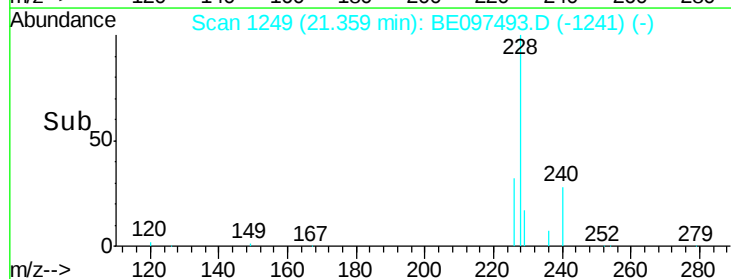
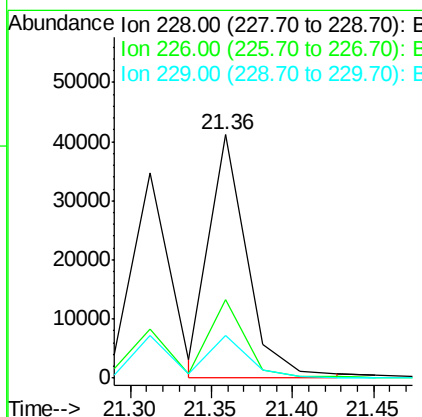
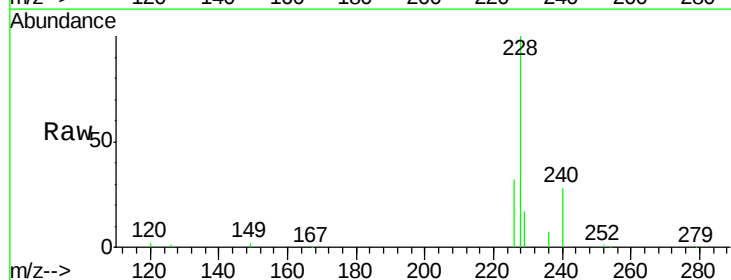
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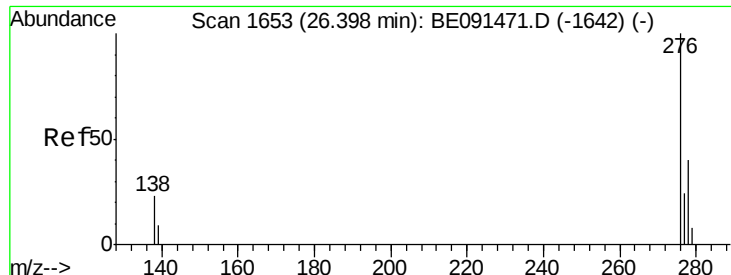
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#26
Chrysene
Concen: 0.50 ng m
RT: 21.36 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

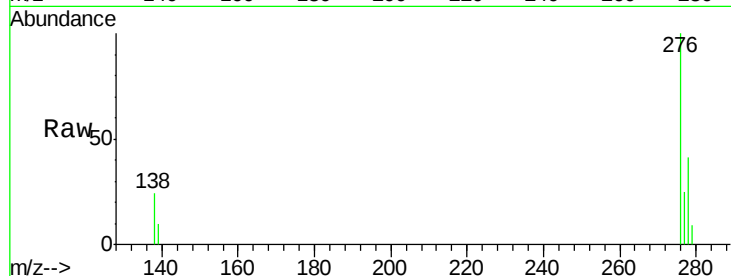
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	18.9	28.3#
229	17.4	19.1	28.7#





#27
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.37 min Scan# 1650
Delta R.T. -0.02 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

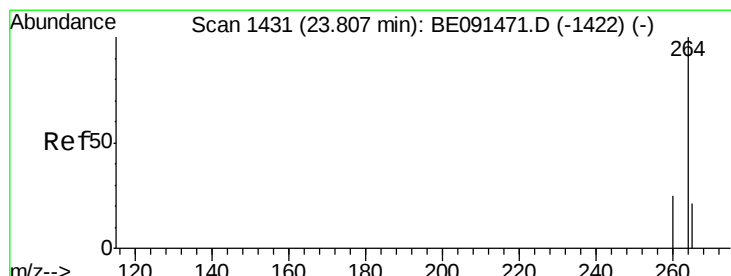
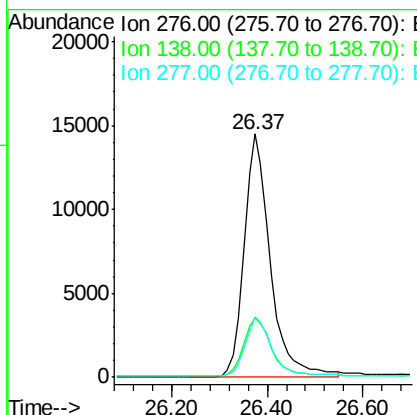
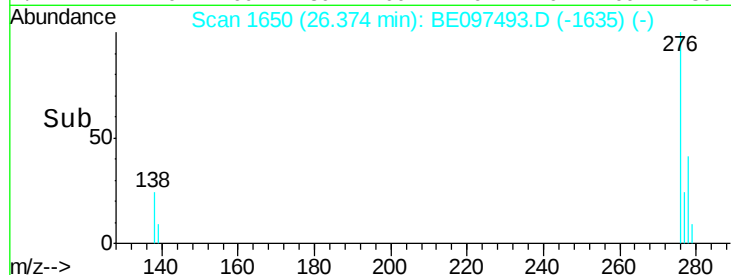
Instrument :
BNA_E
ClientSampleId :



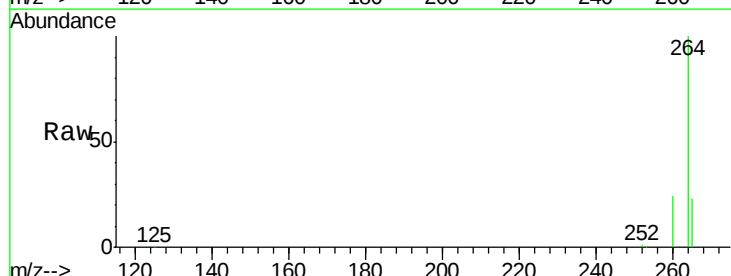
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.8	20.2	30.4
277	24.8	19.8	29.8

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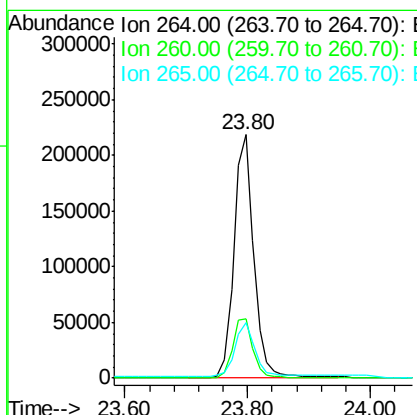
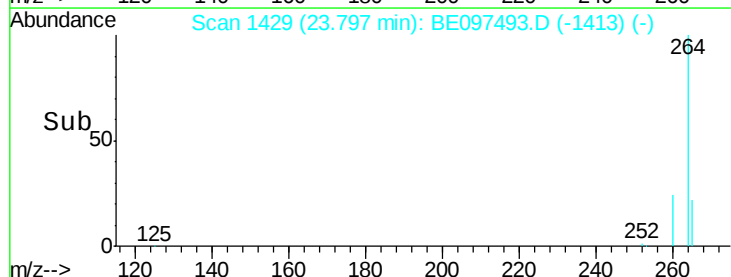
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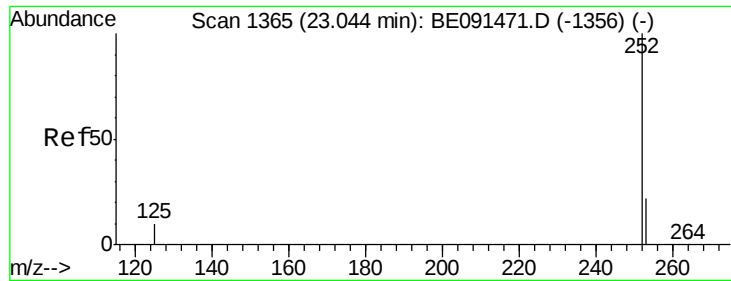


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33



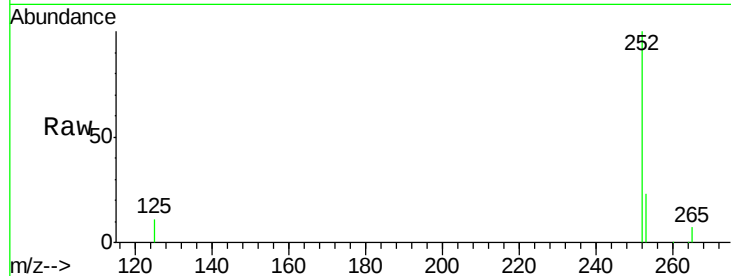
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.3	20.1	30.1
265	22.8	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 23.03 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

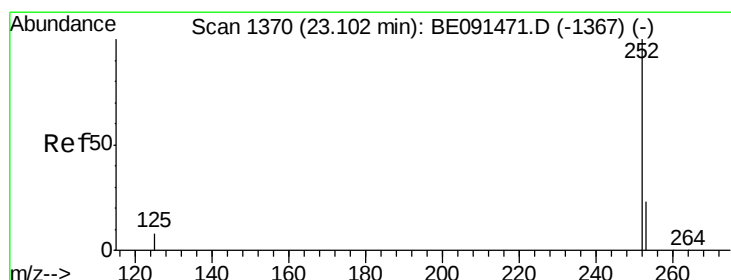
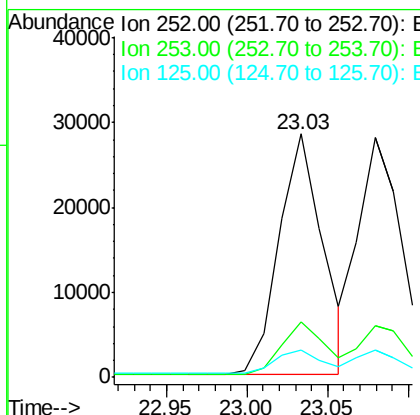
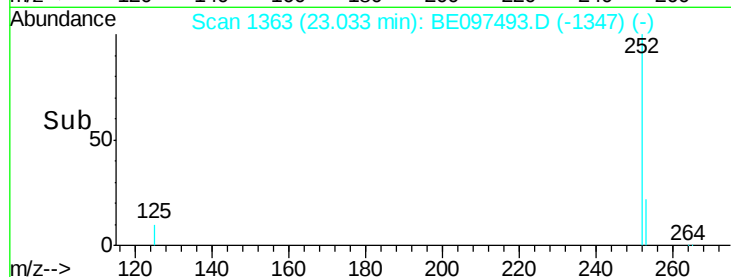
Instrument :
BNA_E
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	11.3	9.8	14.6

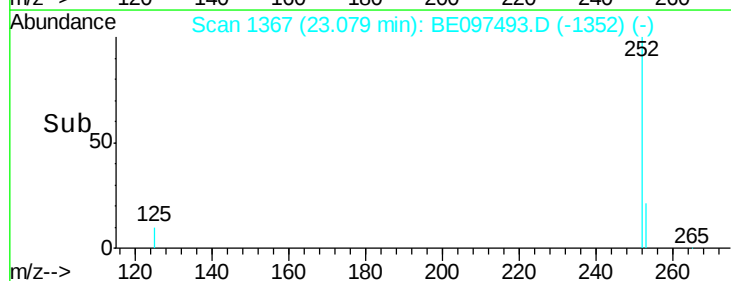
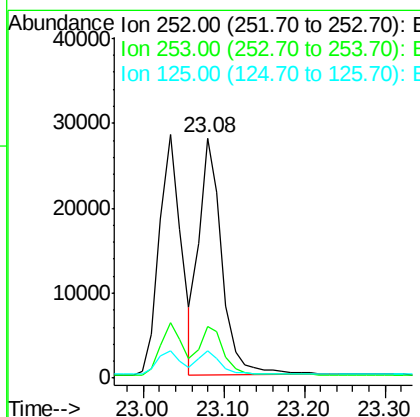
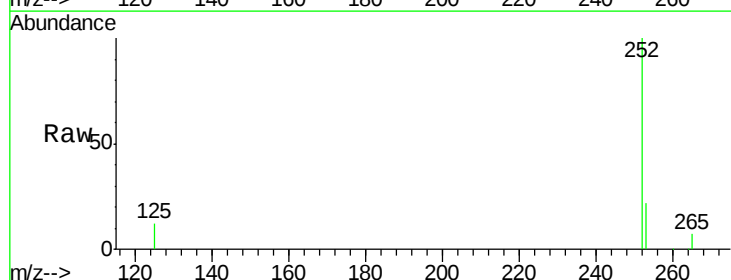
Manual Integrations
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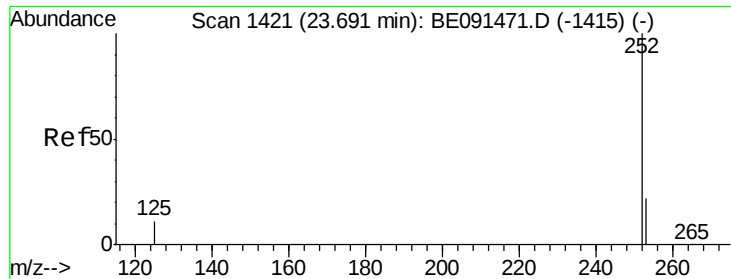
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#30
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.08 min Scan# 1367
Delta R.T. -0.02 min
Lab File: BE097493.D
Acq: 18 Mar 2016 21:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	20.2	30.4
125	11.6	9.4	14.2





#31

Benzo(a)pyrene

Concen: 0.31 ng

RT: 23.68 min Scan# 1419

Delta R.T. -0.01 min

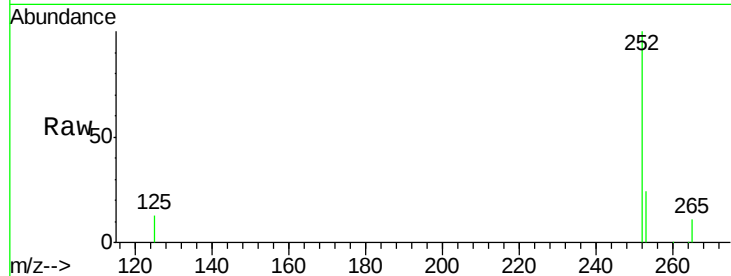
Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

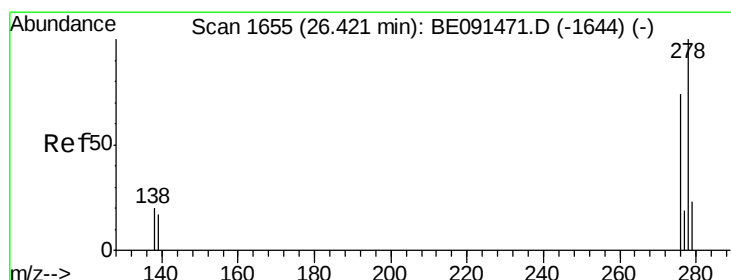
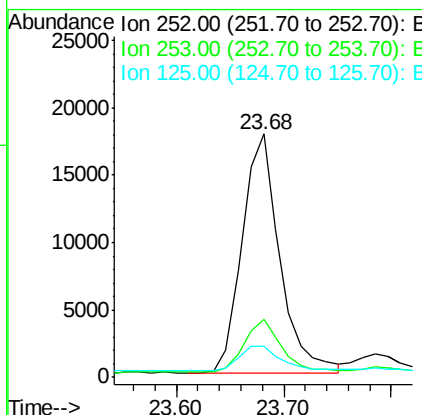
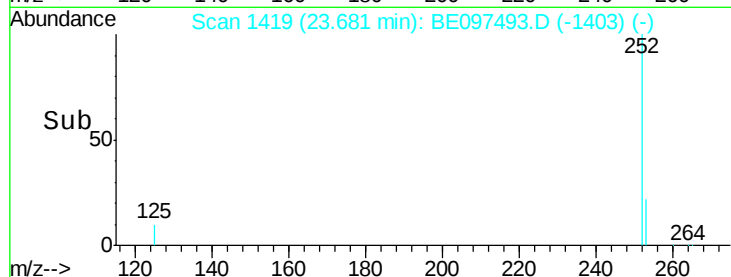
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.4	29.0
125	12.9	11.4	17.2

Manual Integrations
APPROVED

apatel
3/21/2016 5:13:20 PM



#32

Dibenzo(a,h)anthracene

Concen: 0.34 ng

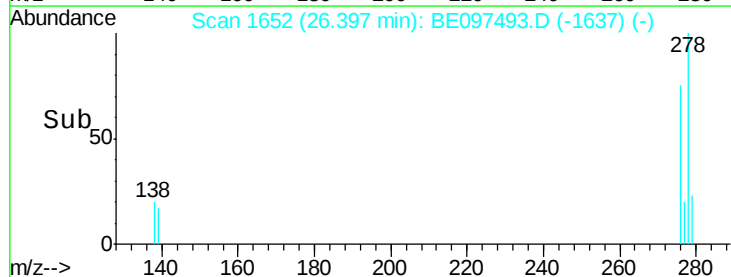
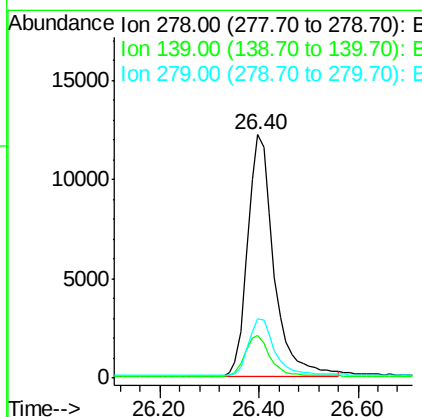
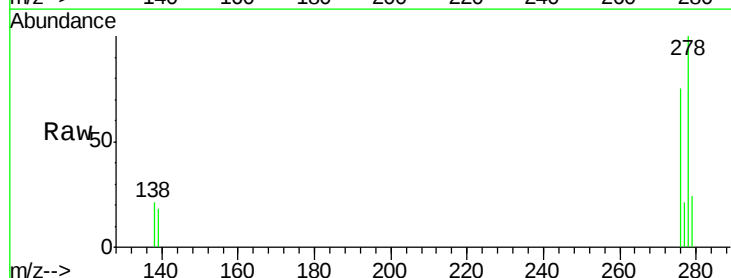
RT: 26.40 min Scan# 1652

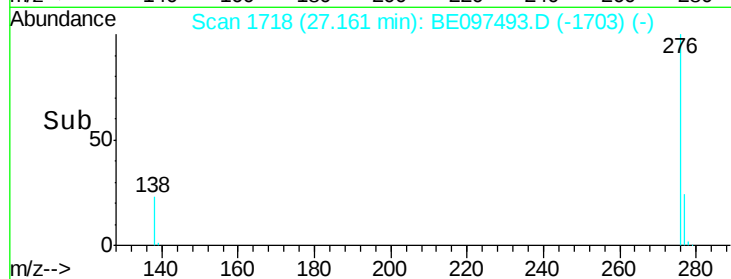
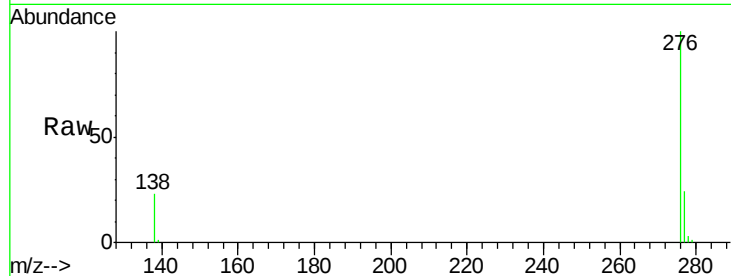
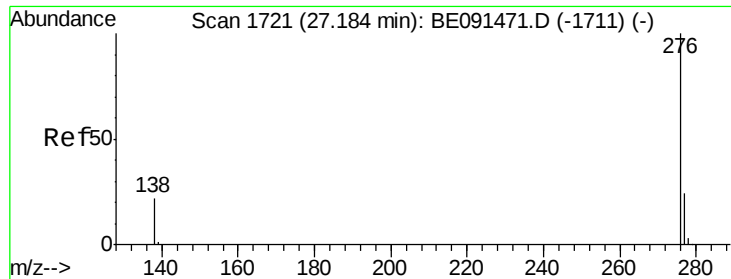
Delta R.T. -0.02 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.2	21.4
279	24.2	19.6	29.4





#33

Benzo(g,h,i)perylene

Concen: 0.34 ng

RT: 27.16 min Scan# 1718

Delta R.T. -0.02 min

Lab File: BE097493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	276	Resp:	47798
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.4	29.2
138	23.2	18.2	27.4

Manual Integrations
APPROVED

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3/21/2016 5:13:20 PM

