

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE091493.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 :
 SSTDCCC0.4EC

Manual Integrations
 APPROVED

Sohil
 3/29/2016 3:27:32 PM

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

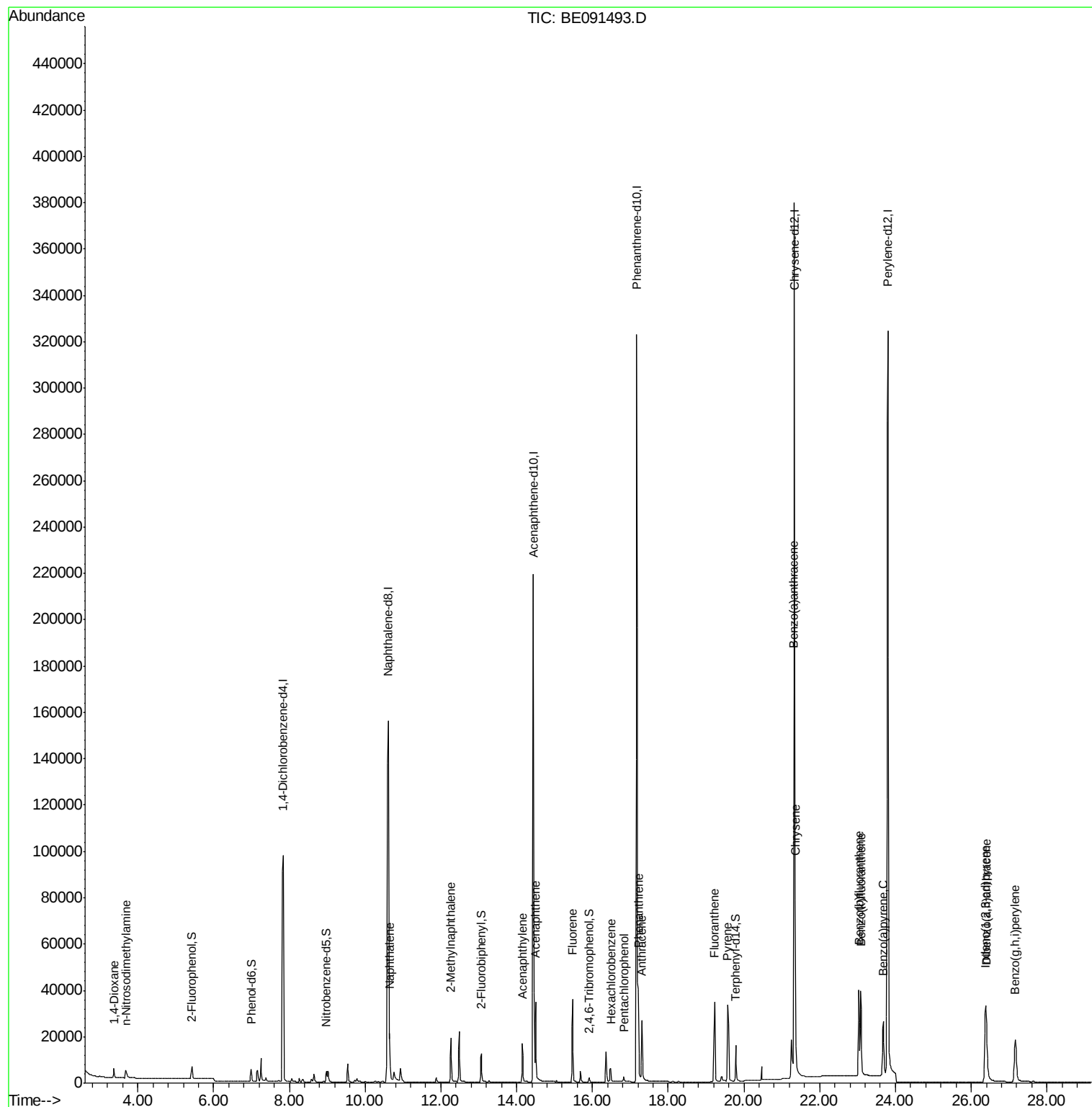
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. -0.00 min

Lab File: BE091493.D

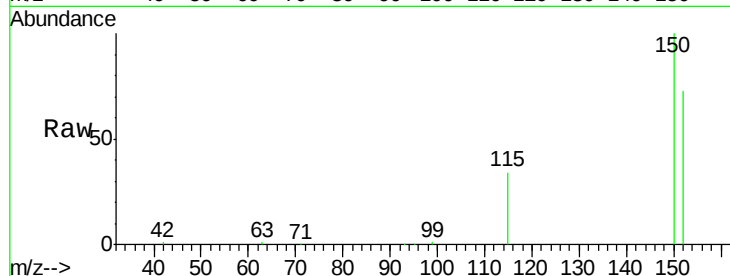
Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tgt Ion: 152 Resp: 65249

Ion Ratio Lower Upper

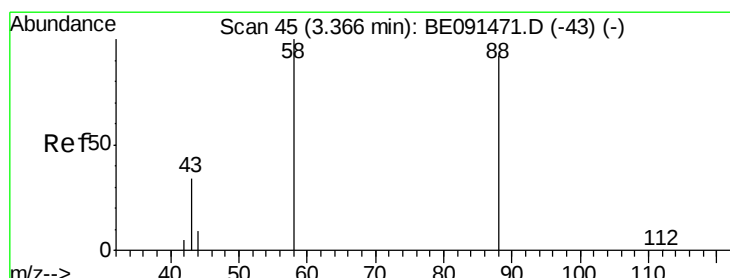
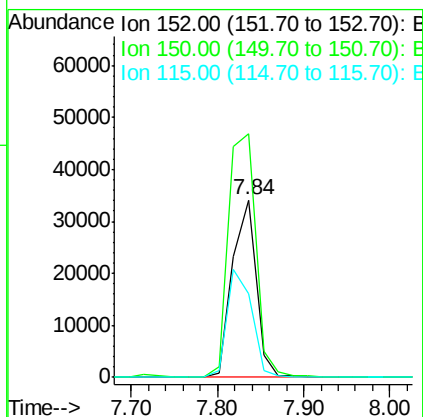
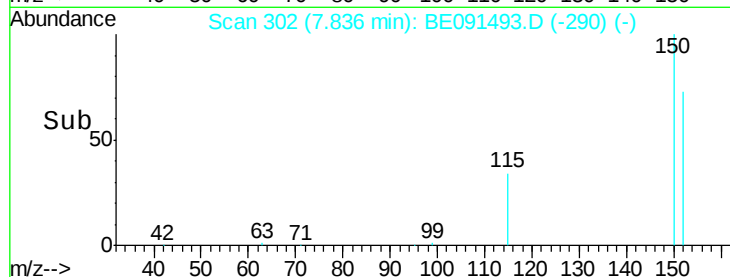
152 100

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: BE091493.D

Acq: 18 Mar 2016 21:33

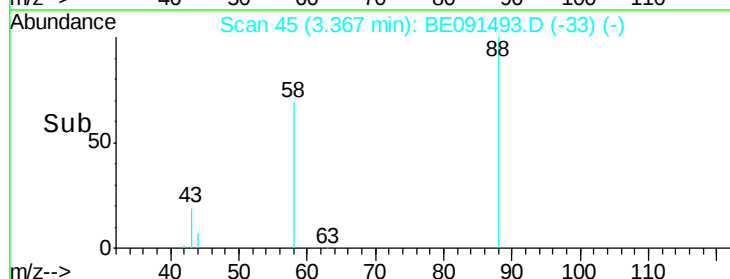
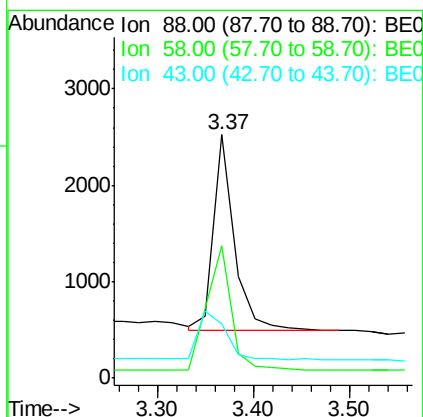
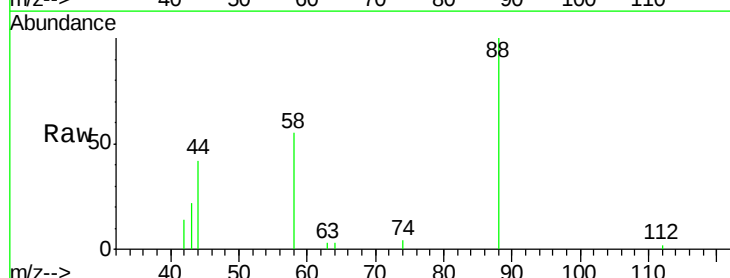
Tgt Ion: 88 Resp: 3062

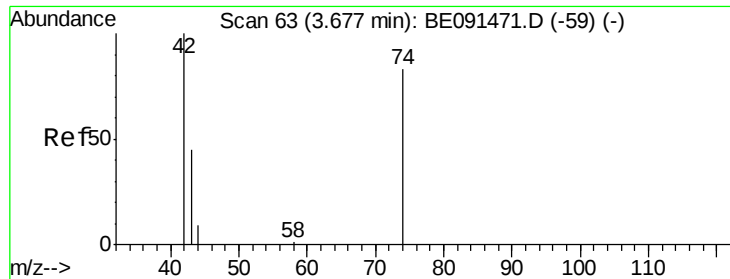
Ion Ratio Lower Upper

88 100

58 75.1 61.0 91.6

43 32.4 25.4 38.2





#3

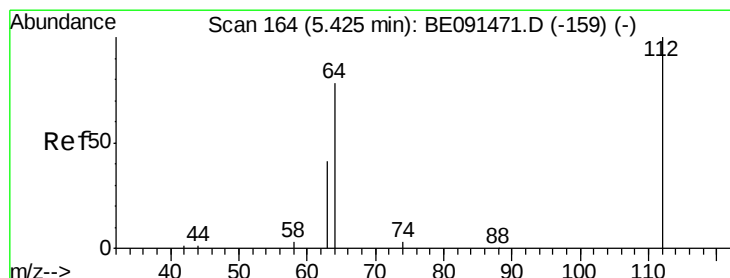
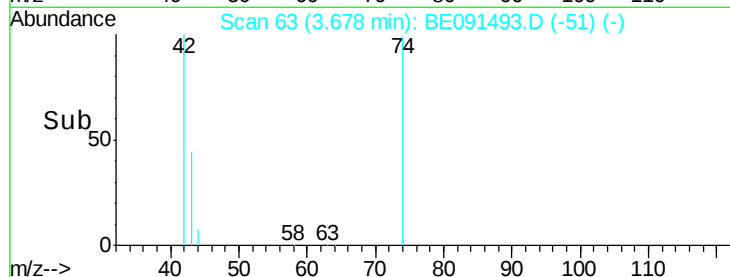
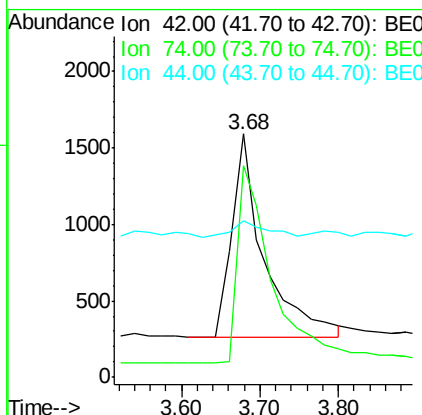
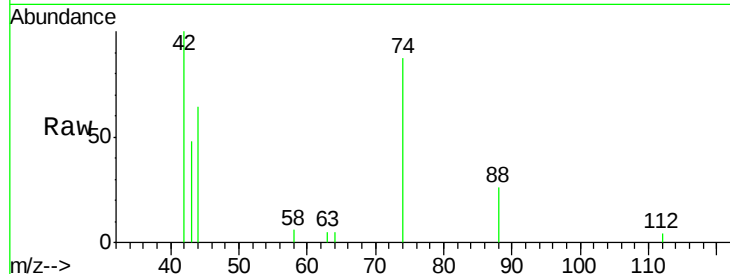
n-Nitrosodimethylamine
 Concen: 0.33 ng
 RT: 3.68 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: BE091493.D
 Acq: 18 Mar 2016 21:33

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

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

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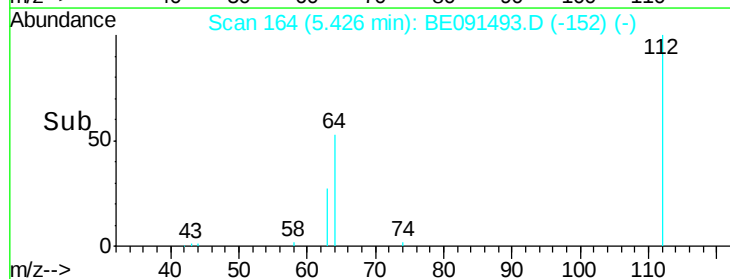
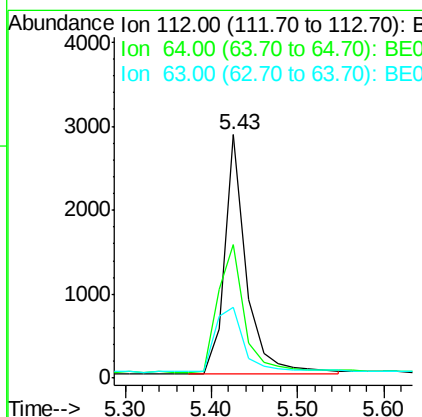
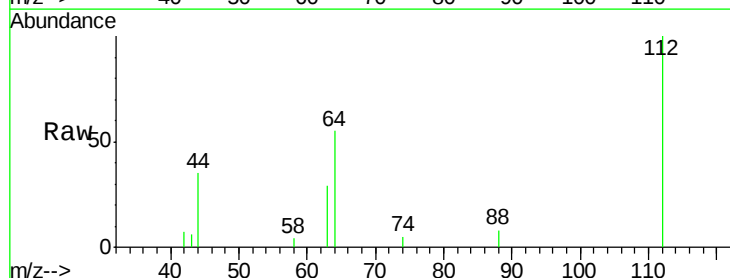
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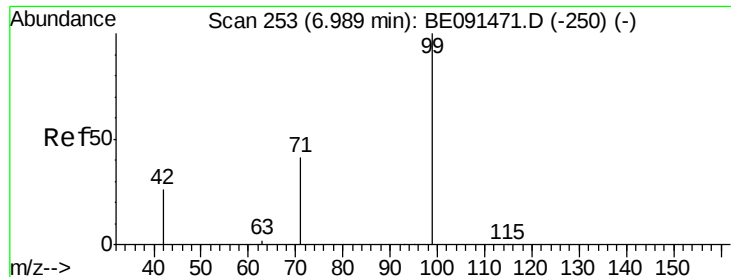


#4

2-Fluorophenol
 Concen: 0.33 ng
 RT: 5.43 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: BE091493.D
 Acq: 18 Mar 2016 21:33

Tgt 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: BE091493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

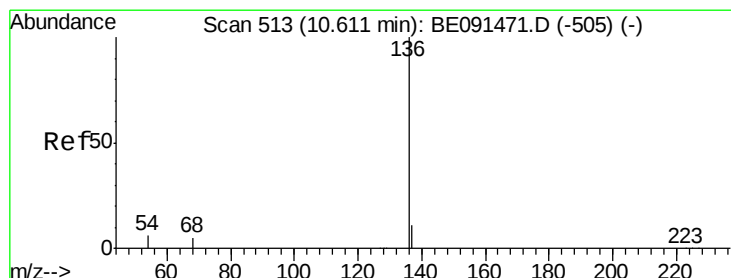
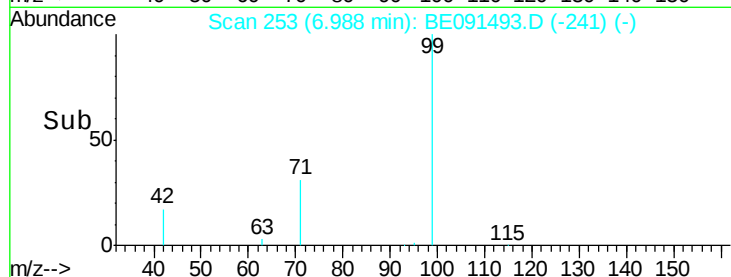
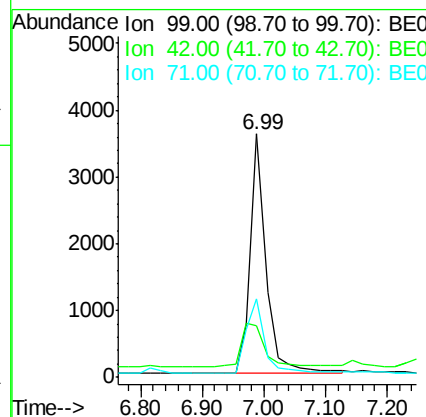
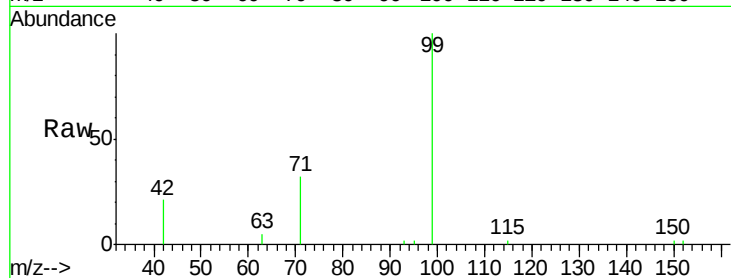
ClientSampleId :

SSTDCCC0.4EC

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

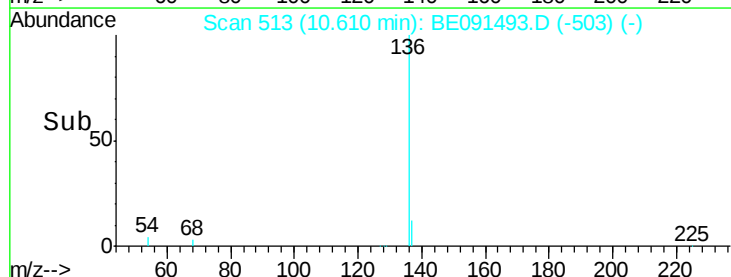
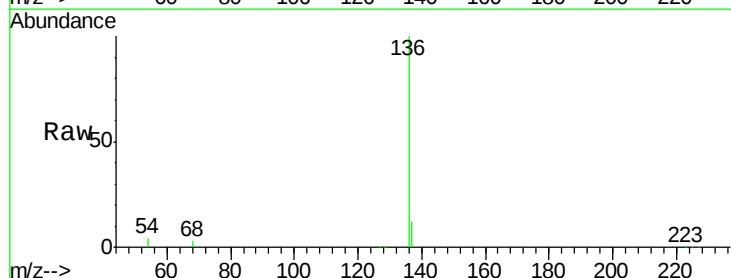
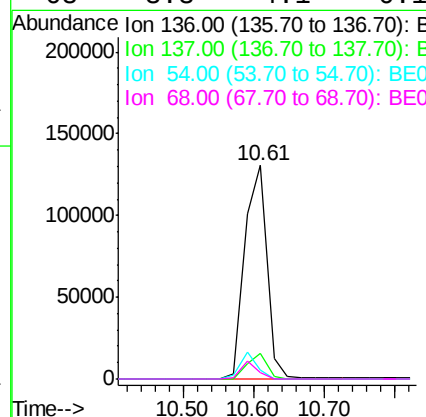
RT: 10.61 min Scan# 513

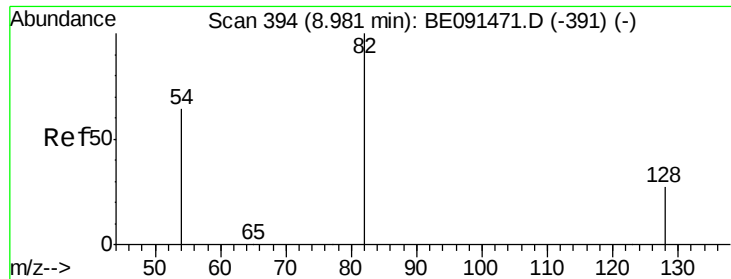
Delta R.T. -0.00 min

Lab File: BE091493.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: BE091493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

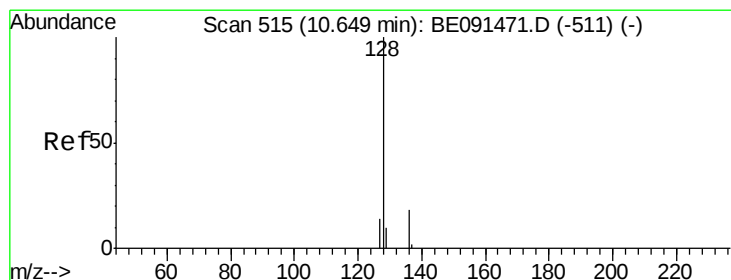
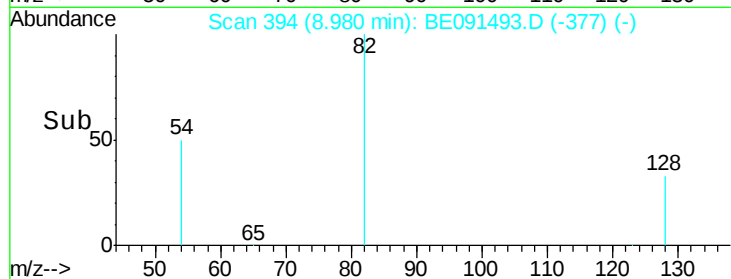
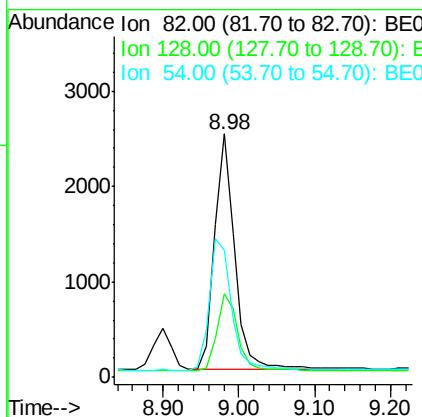
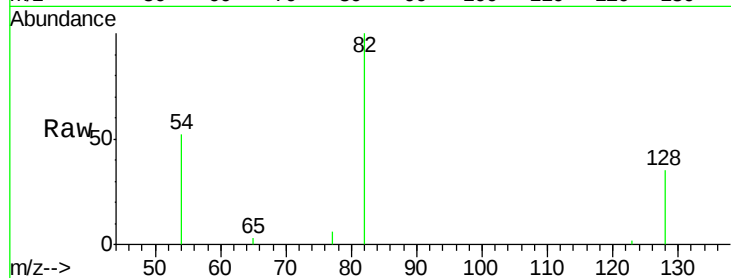
ClientSampleId :

SSTDCCC0.4EC

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

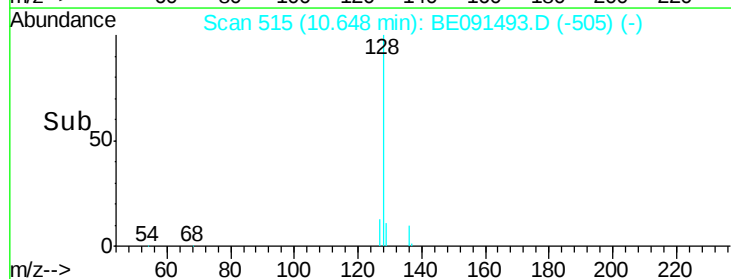
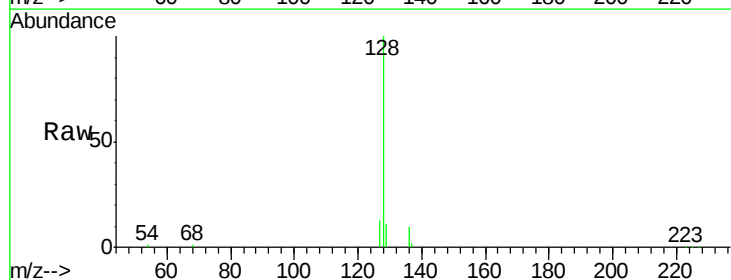
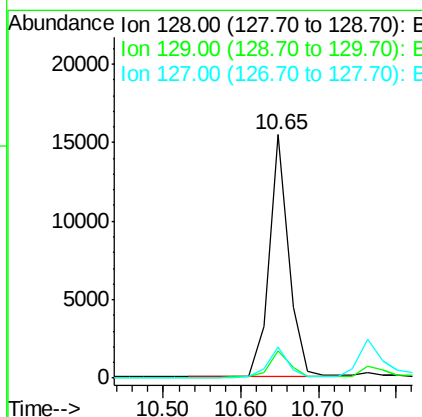
RT: 10.65 min Scan# 515

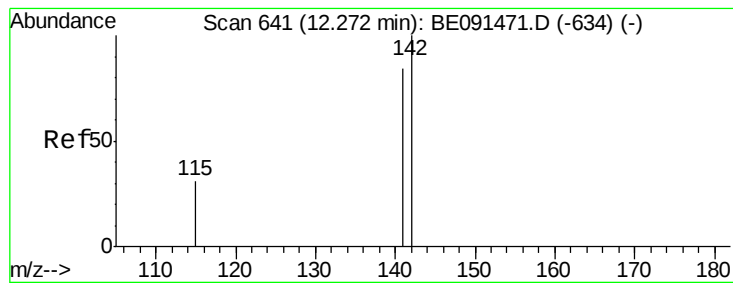
Delta R.T. -0.00 min

Lab File: BE091493.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





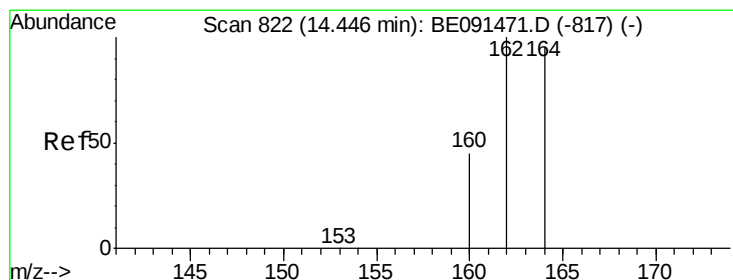
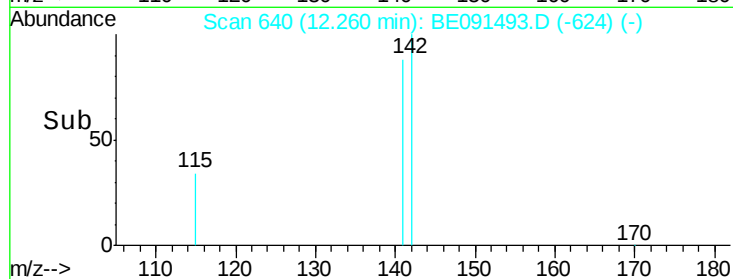
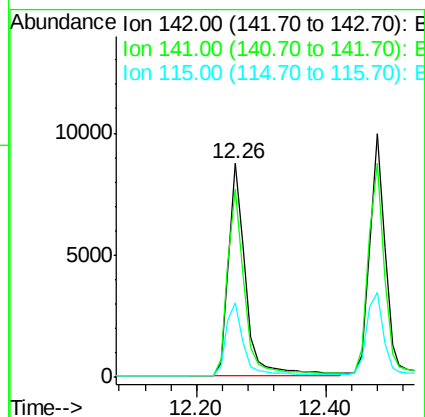
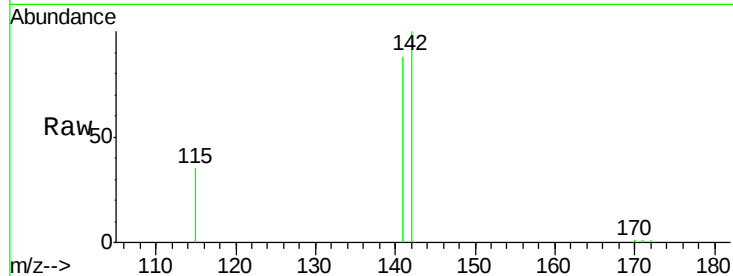
#9
2-Methylnaphthalene
Concen: 0.35 ng
RT: 12.26 min Scan# 640
Delta R.T. -0.01 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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

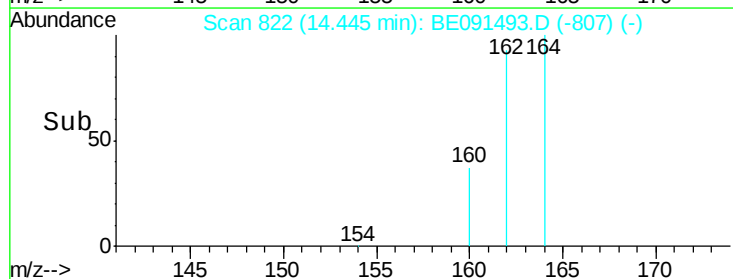
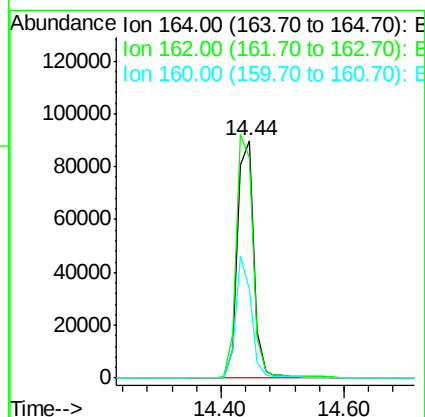
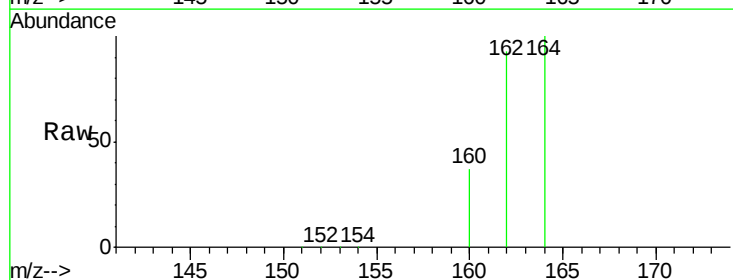
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#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.44 min Scan# 822
Delta R.T. -0.00 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

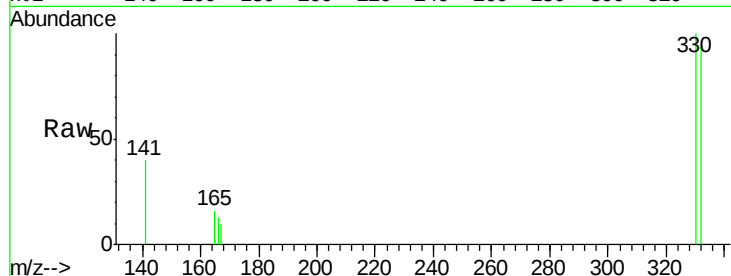
Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.8	84.4	126.6
160	37.4	37.7	56.5#





#11
 2,4,6-Tribromophenol
 Concen: 0.47 ng m
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE091493.D
 Acq: 18 Mar 2016 21:33

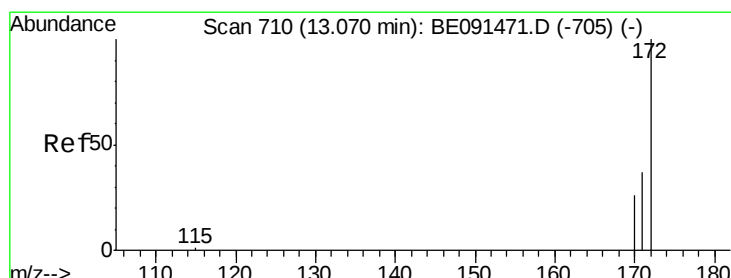
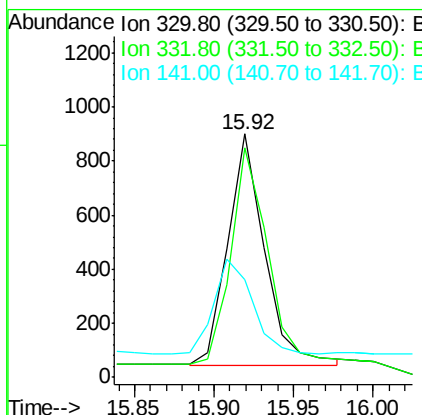
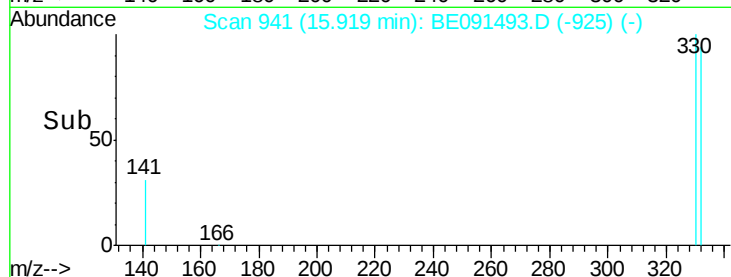
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC



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#

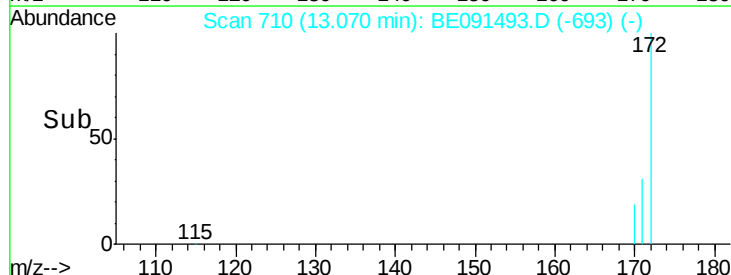
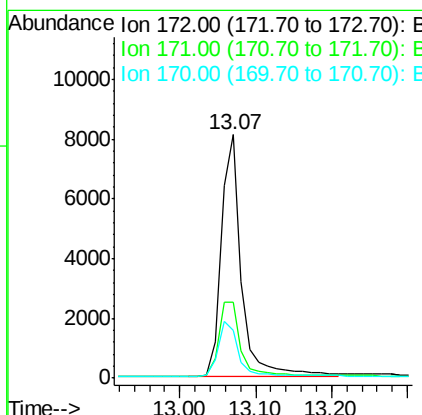
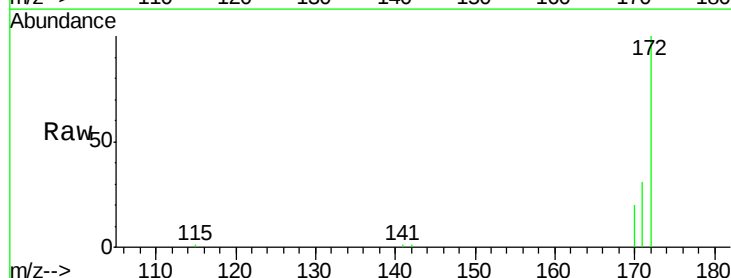
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#12
 2-Fluorobiphenyl
 Concen: 0.36 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE091493.D
 Acq: 18 Mar 2016 21:33

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: BE091493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

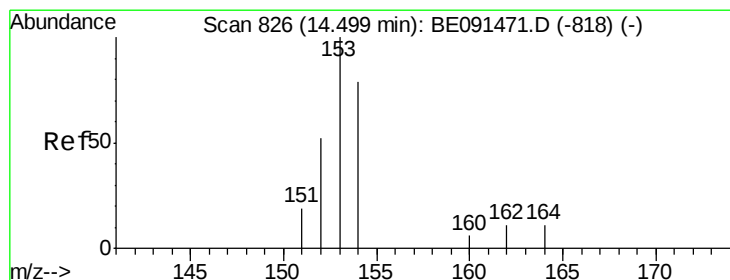
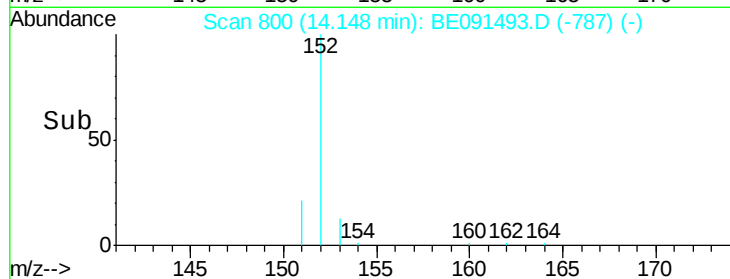
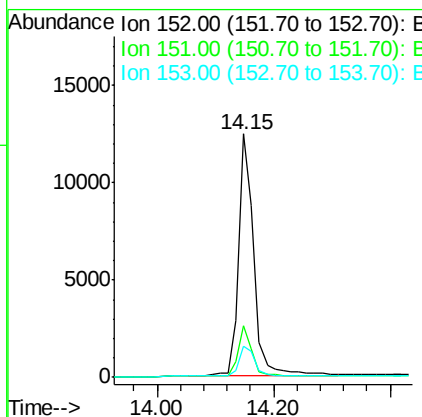
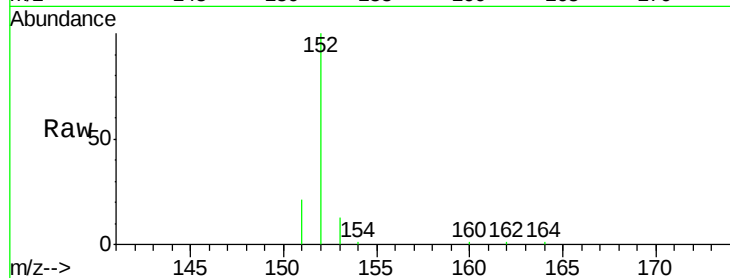
ClientSampleId :

SSTDCCC0.4EC

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

Manual Integrations
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#14

Acenaphthene

Concen: 0.37 ng

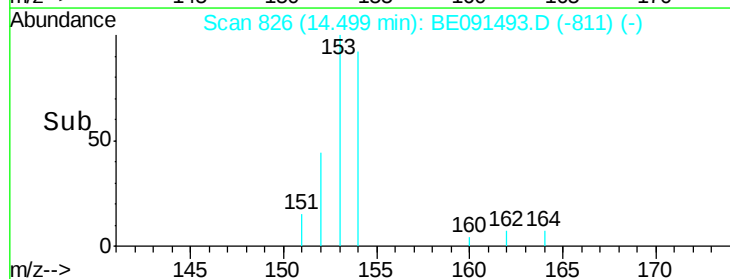
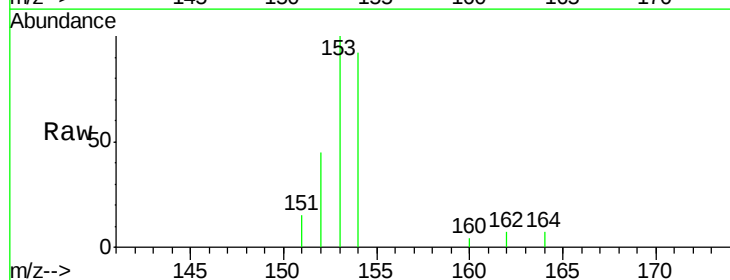
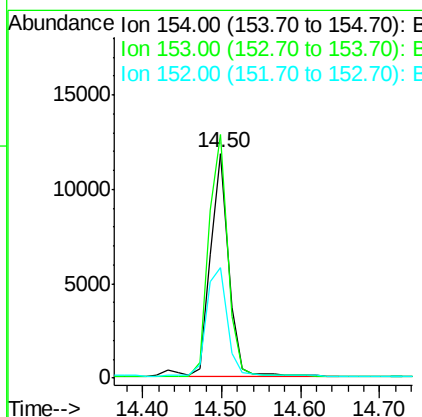
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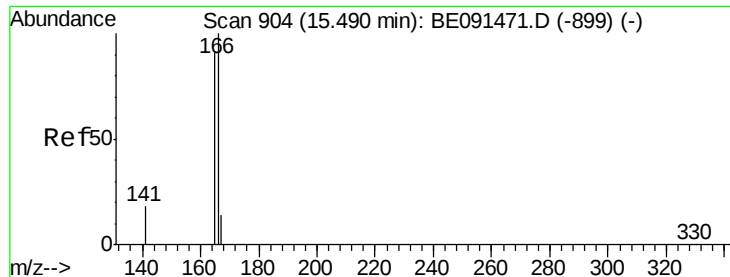
Delta R.T. -0.00 min

Lab File: BE091493.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: BE091493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

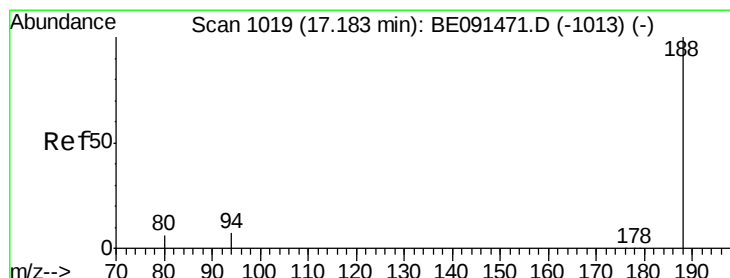
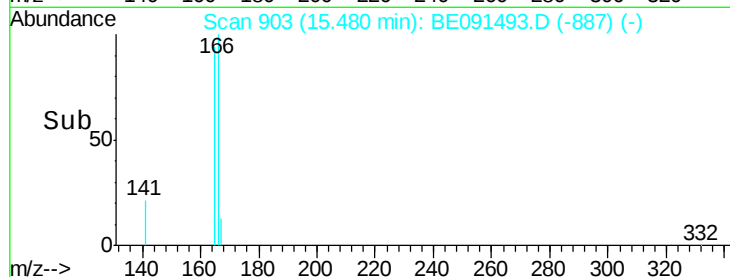
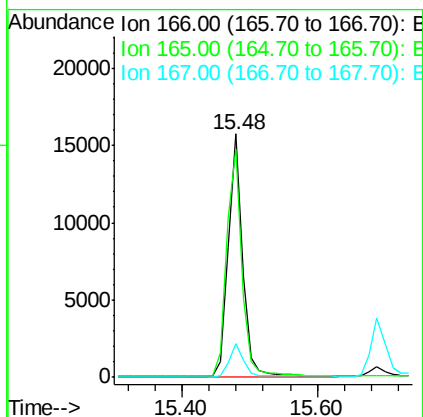
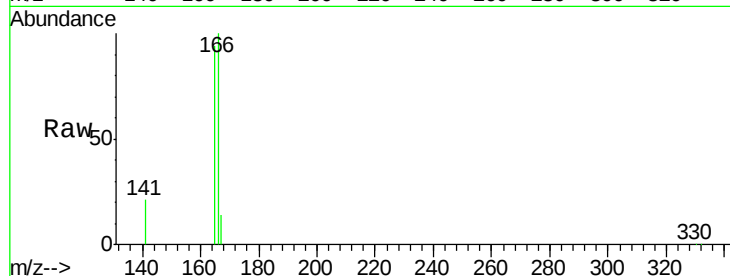
ClientSampleId :

SSTDCCC0.4EC

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

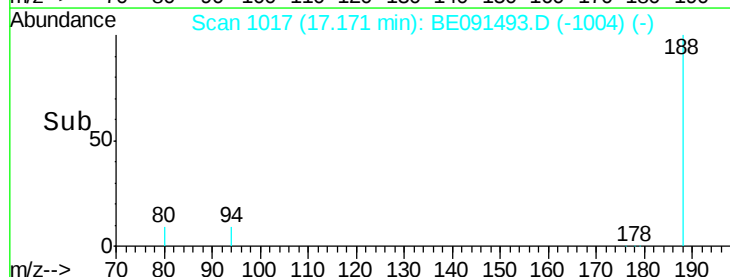
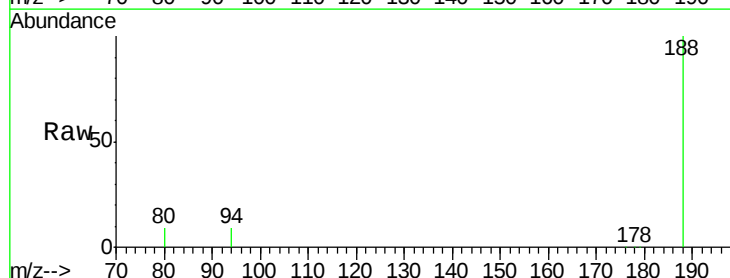
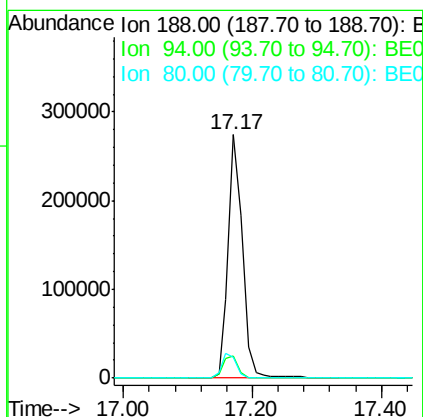
RT: 17.17 min Scan# 1017

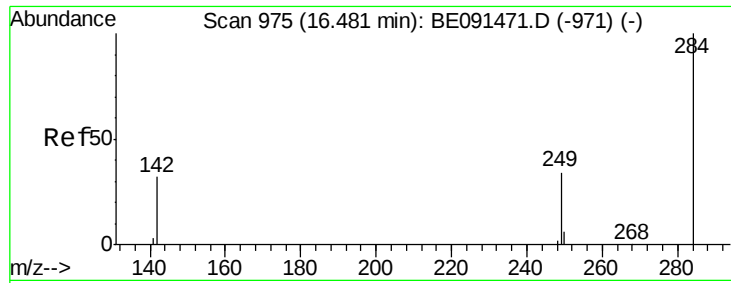
Delta R.T. -0.01 min

Lab File: BE091493.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#





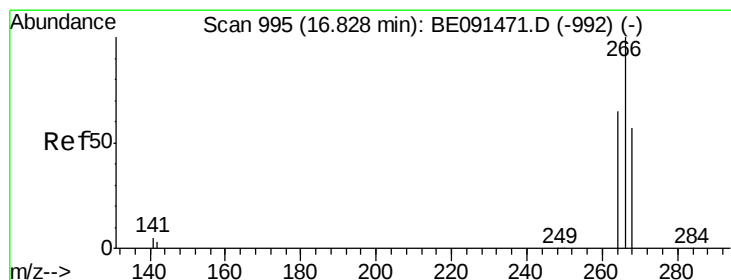
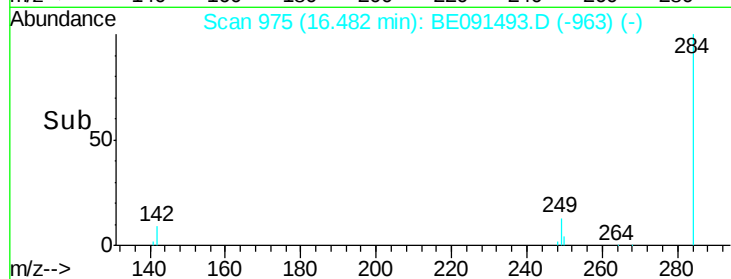
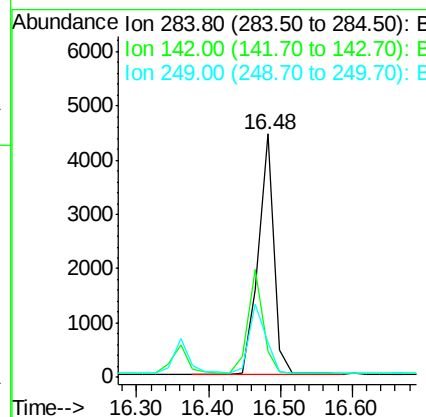
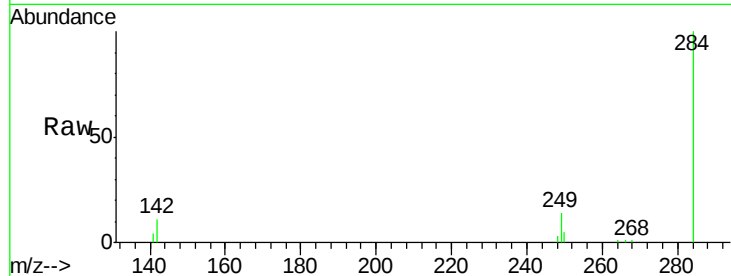
#17
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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

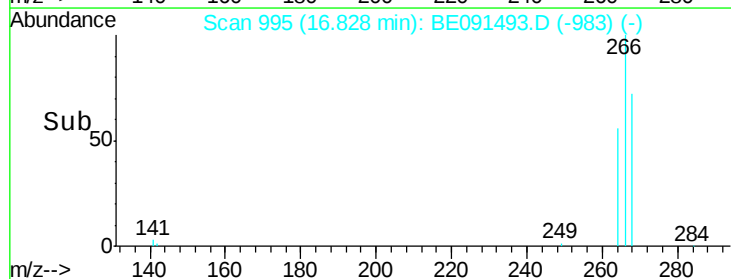
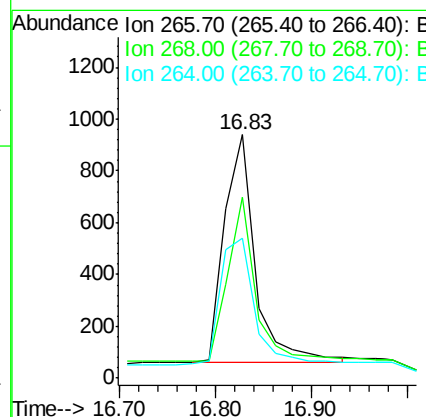
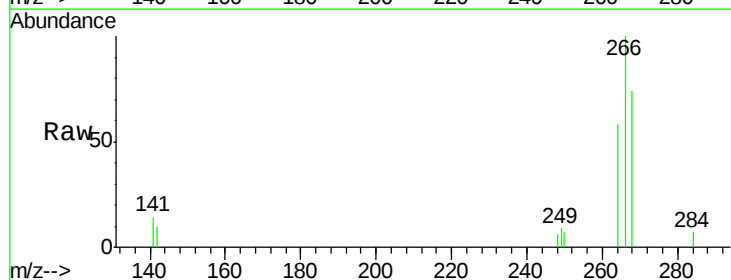
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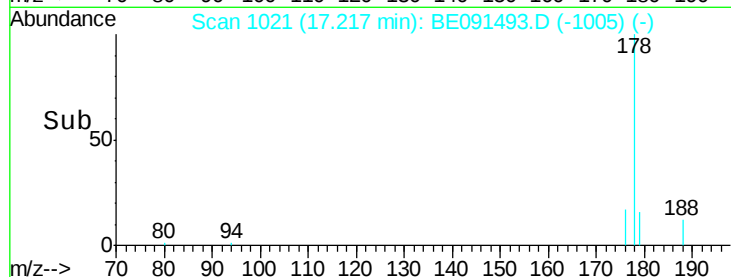
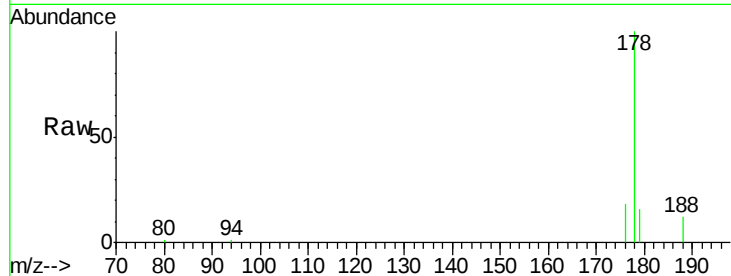
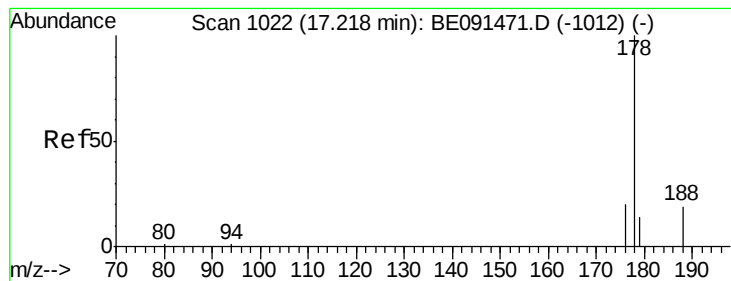
Sohil
3/29/2016 3:27:32 PM



#18
Pentachlorophenol
Concen: 0.40 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

Tgt 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: BE091493.D

Acq: 18 Mar 2016 21:33

Tgt Ion:	178	Resp:	45537
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.8	13.1	19.7

Instrument :

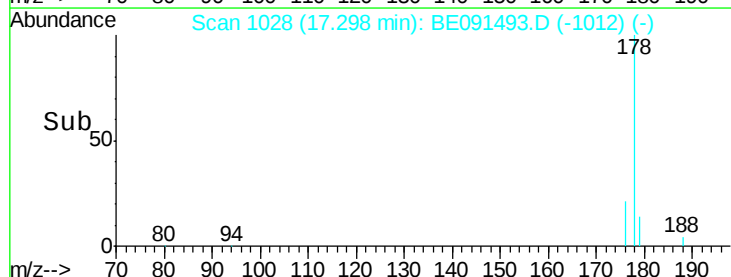
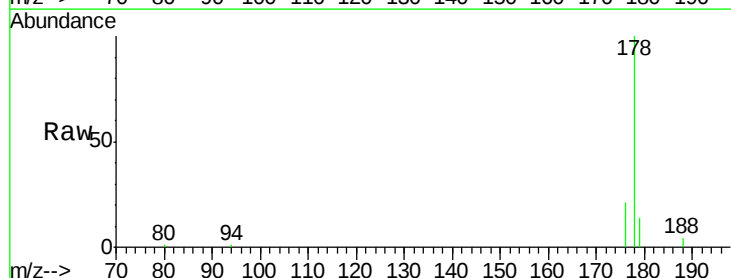
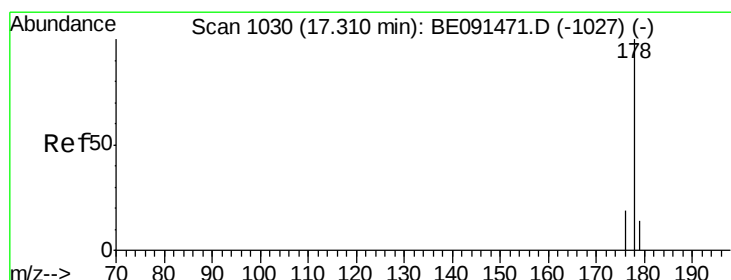
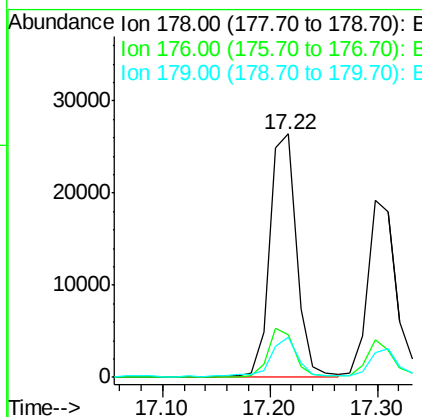
BNA_E

ClientSampleId :

SSTDCCC0.4EC

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#20

Anthracene

Concen: 0.34 ng

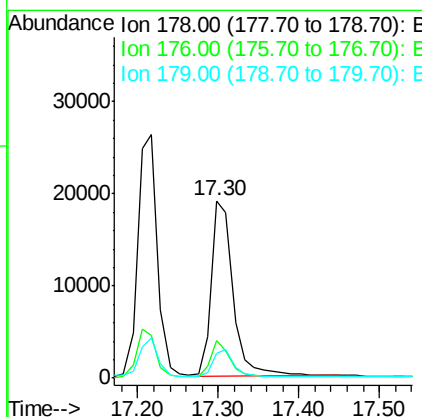
RT: 17.30 min Scan# 1028

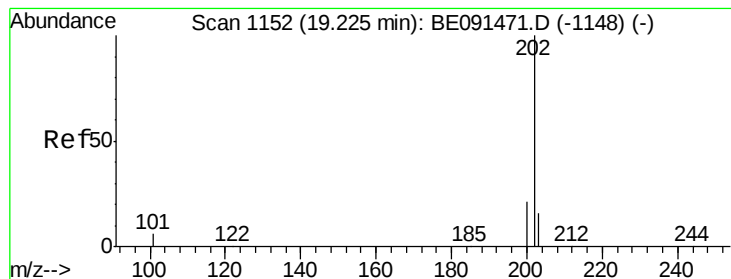
Delta R.T. -0.01 min

Lab File: BE091493.D

Acq: 18 Mar 2016 21:33

Tgt Ion:	178	Resp:	35963
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: BE091493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

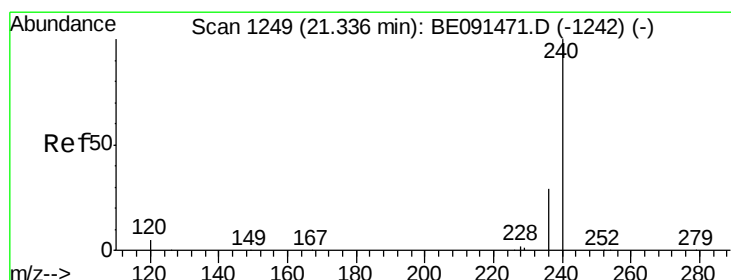
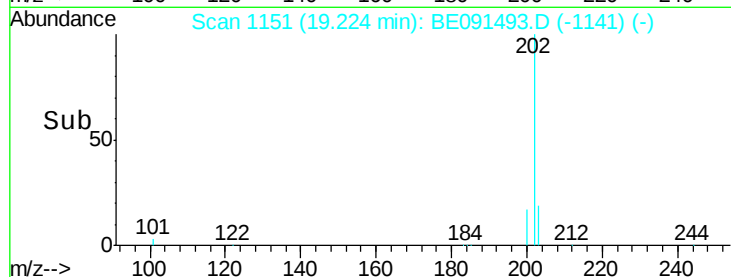
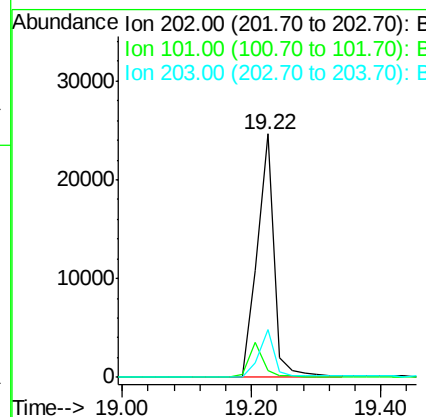
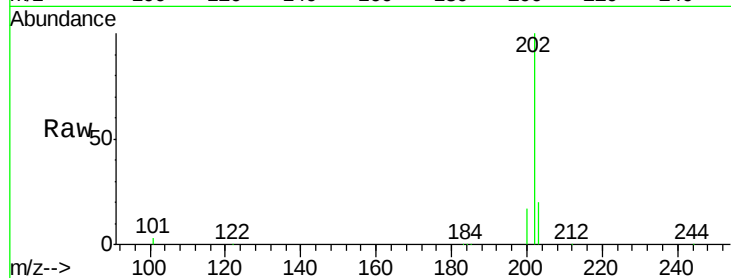
ClientSampleId :

SSTDCCC0.4EC

Tgt	Ion	202	Resp:	44770
Ion	Ratio	Lower	Upper	
202	100			
101	11.8	8.3	12.5	
203	17.8	13.9	20.9	

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#22

Chrysene-d12

Concen: 5.00 ng

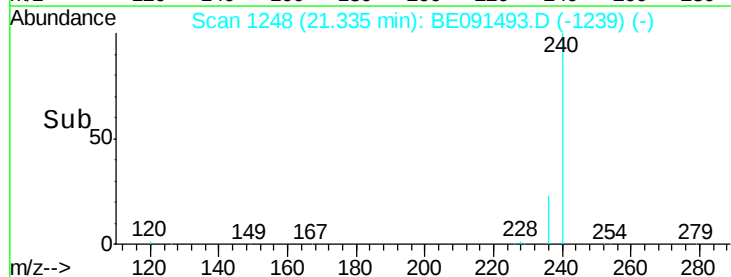
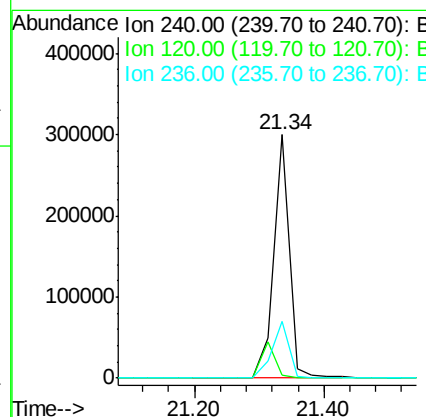
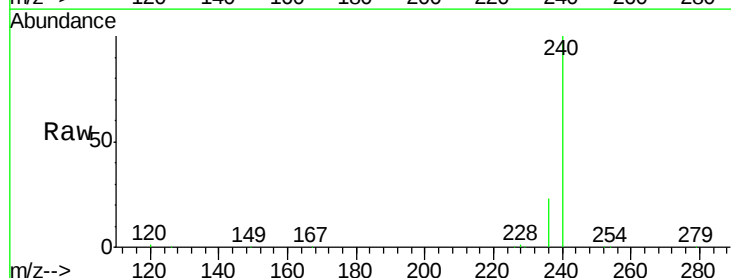
RT: 21.34 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091493.D

Acq: 18 Mar 2016 21:33

Tgt	Ion	240	Resp:	510058
Ion	Ratio	Lower	Upper	
240	100			
120	1.4	4.0	6.0#	
236	23.1	23.0	34.4	





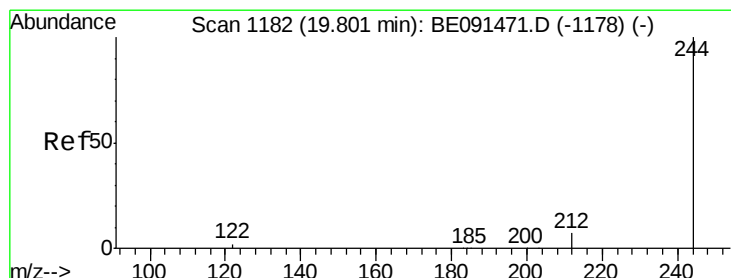
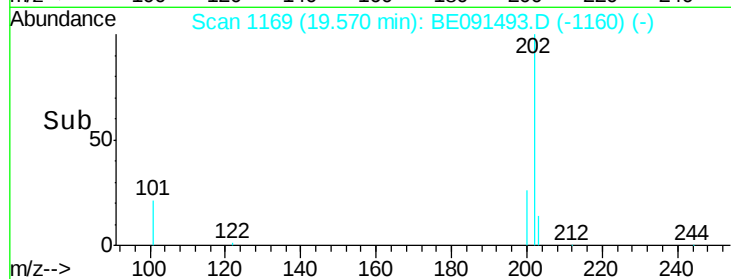
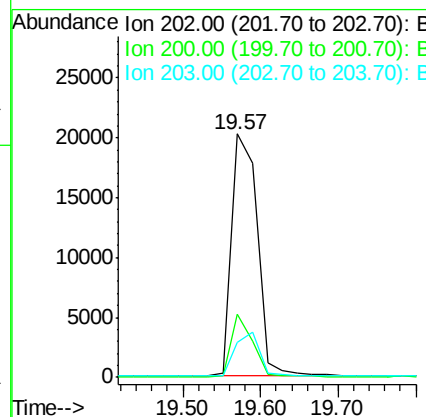
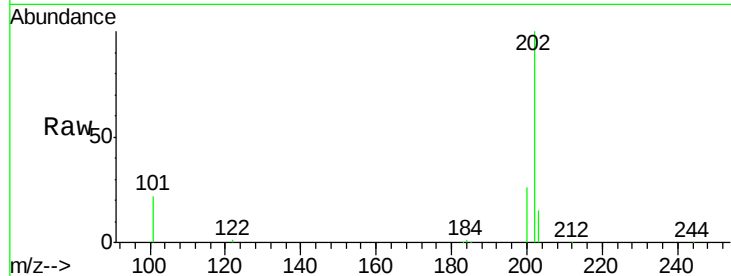
#23
 Pyrene
 Concen: 0.37 ng
 RT: 19.57 min Scan# 1169
 Delta R.T. -0.02 min
 Lab File: BE091493.D
 Acq: 18 Mar 2016 21:33

Instrument :
 BNA_E
 ClientSampled :
 SSTDCCC0.4EC

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

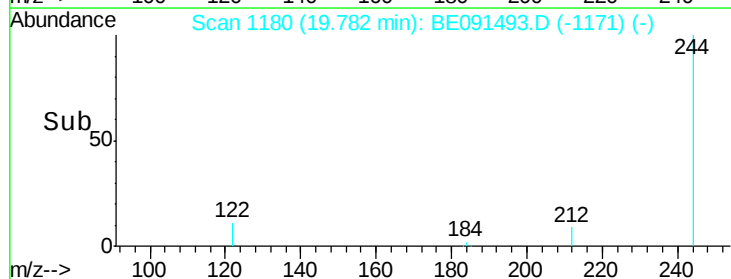
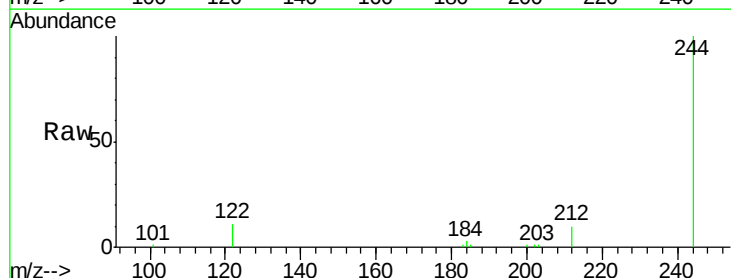
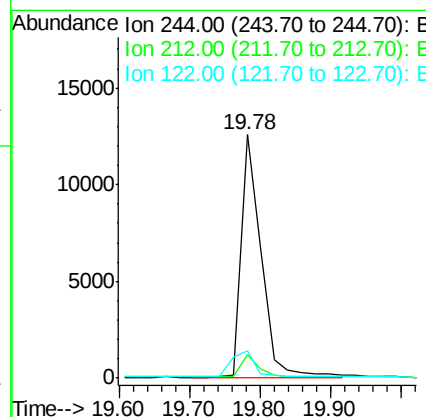
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#24
 Terphenyl-d14
 Concen: 0.40 ng
 RT: 19.78 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BE091493.D
 Acq: 18 Mar 2016 21:33

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





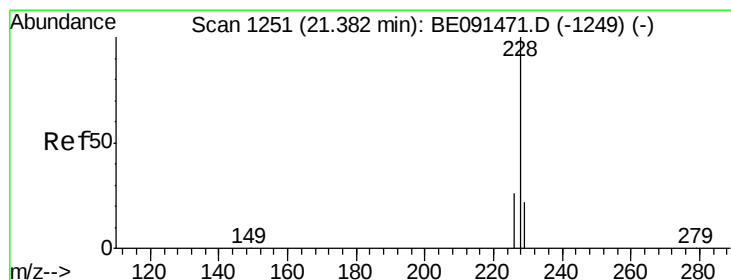
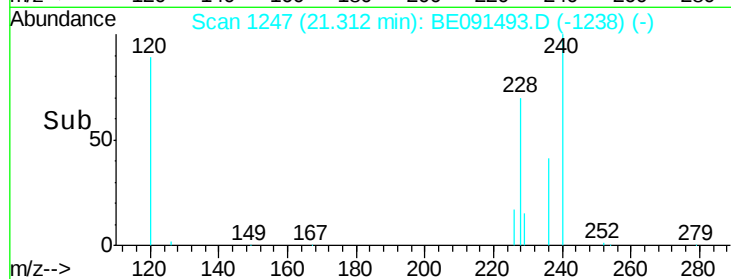
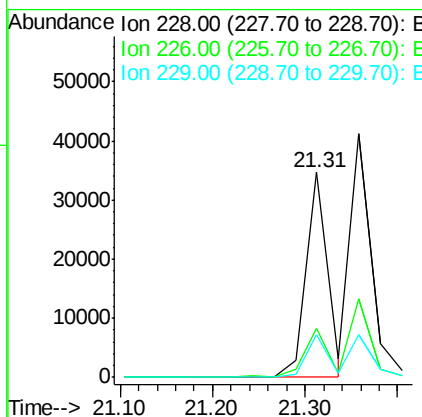
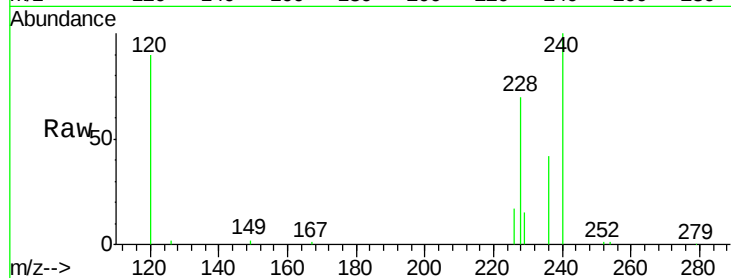
#25
Benzo(a)anthracene
Concen: 0.40 ng
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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

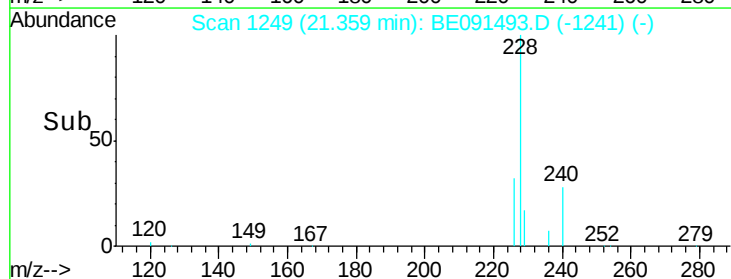
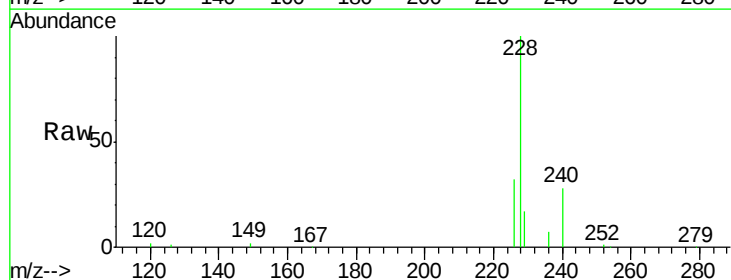
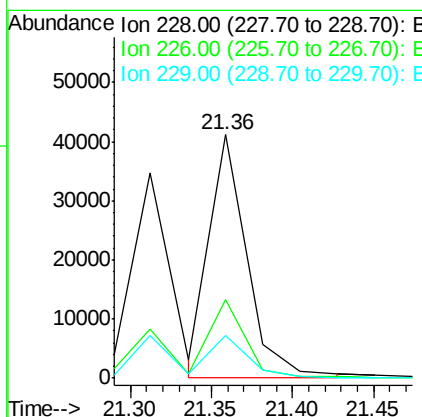
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#26
Chrysene
Concen: 0.50 ng m
RT: 21.36 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

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





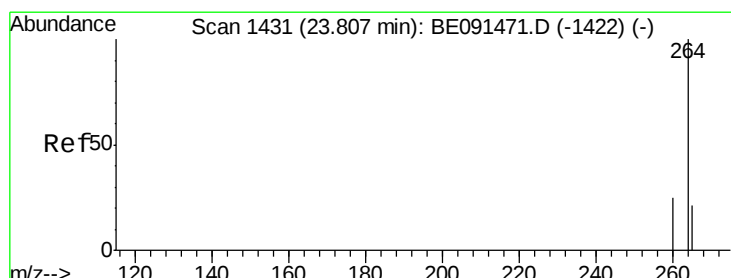
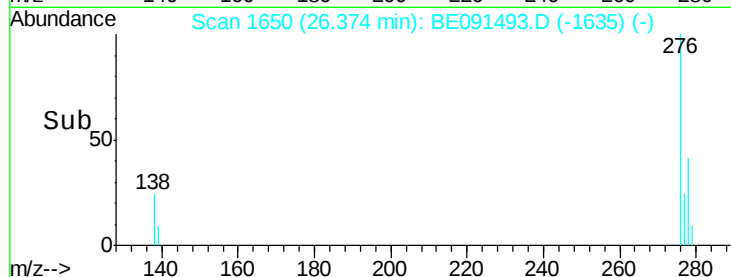
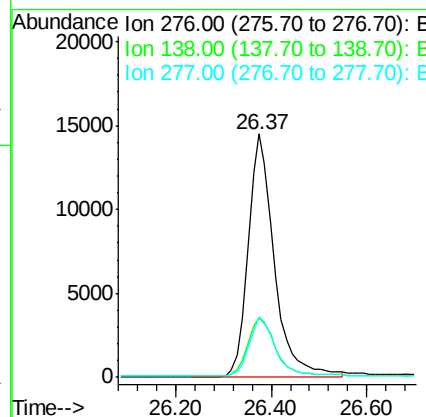
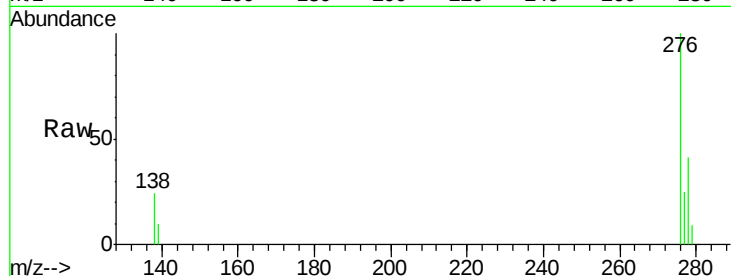
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.37 min Scan# 1650
Delta R.T. -0.02 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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

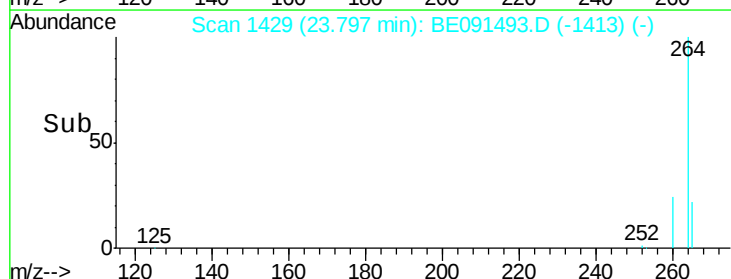
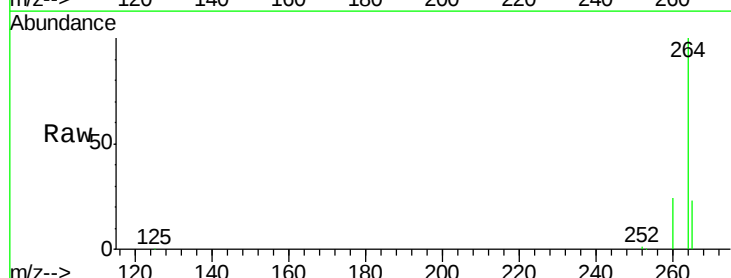
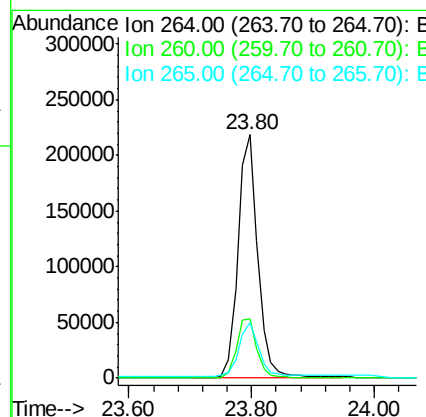
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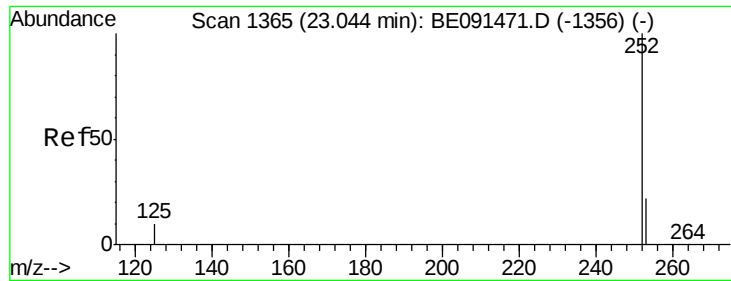
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

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





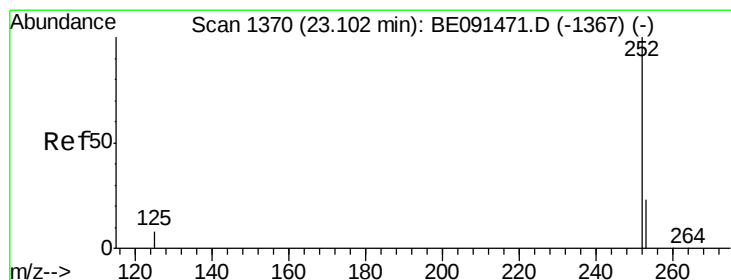
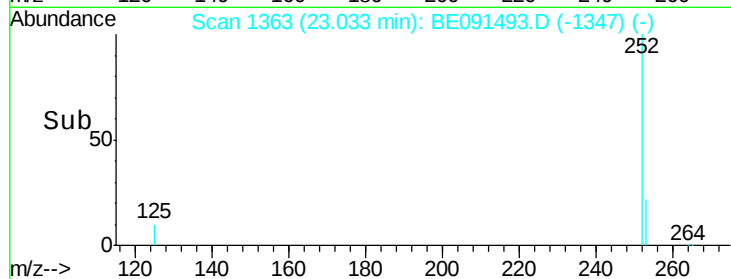
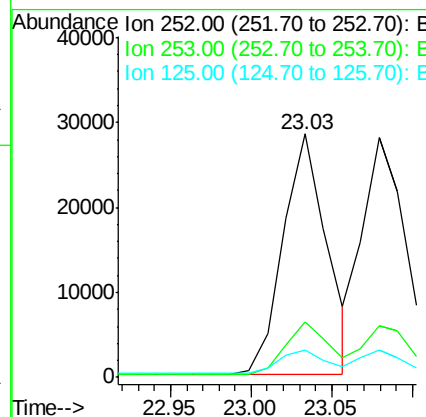
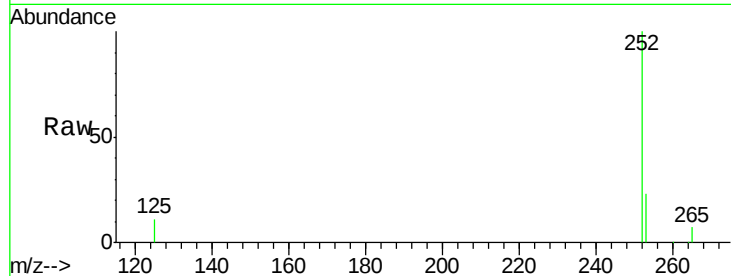
#29
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 23.03 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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

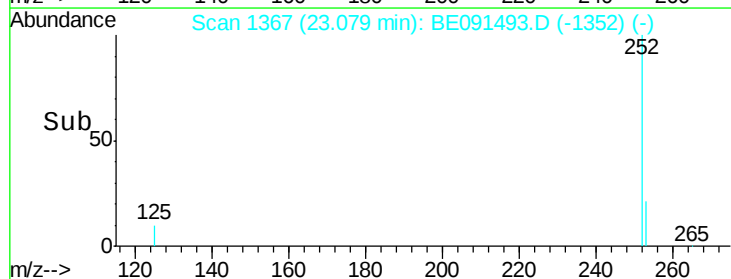
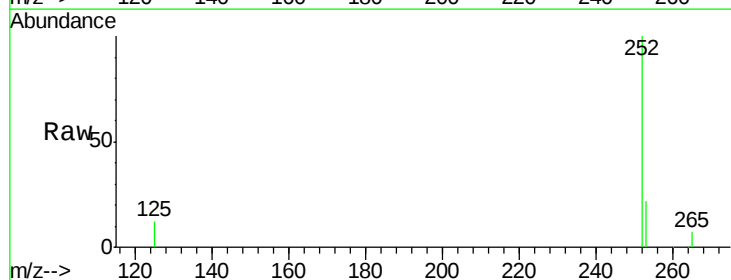
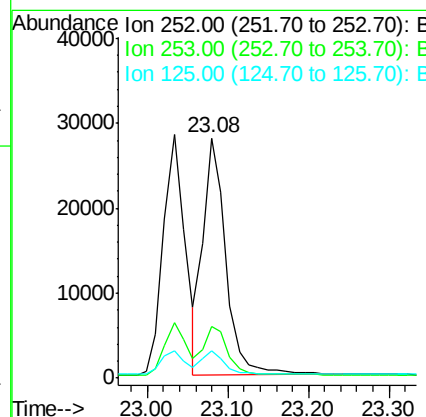
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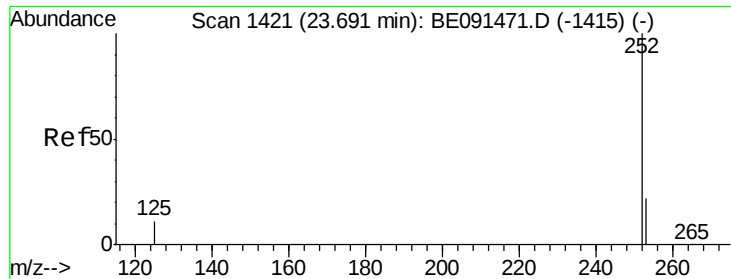
Sohil
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#30
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.08 min Scan# 1367
Delta R.T. -0.02 min
Lab File: BE091493.D
Acq: 18 Mar 2016 21:33

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: BE091493.D

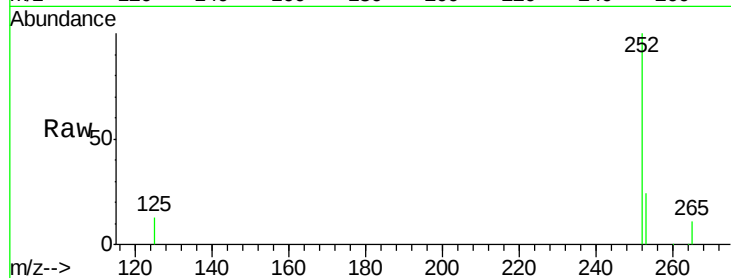
Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

ClientSampleId :

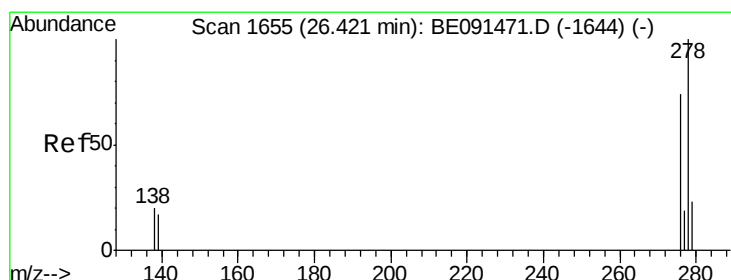
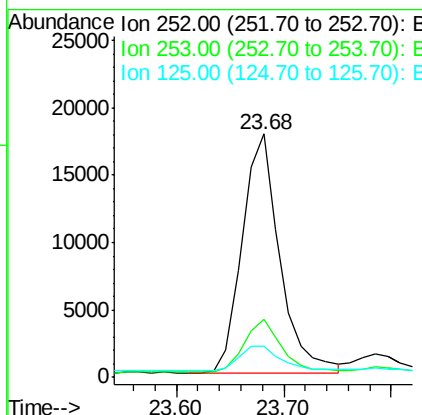
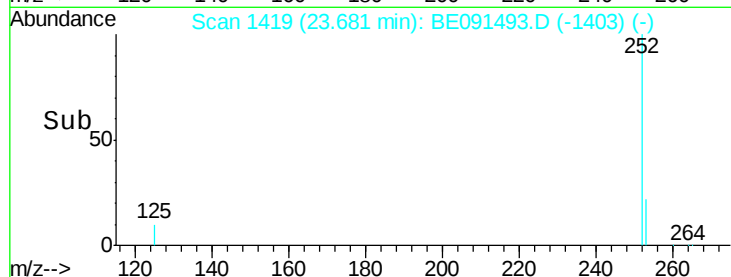
SSTDCCC0.4EC



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

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#32

Dibenzo(a,h)anthracene

Concen: 0.34 ng

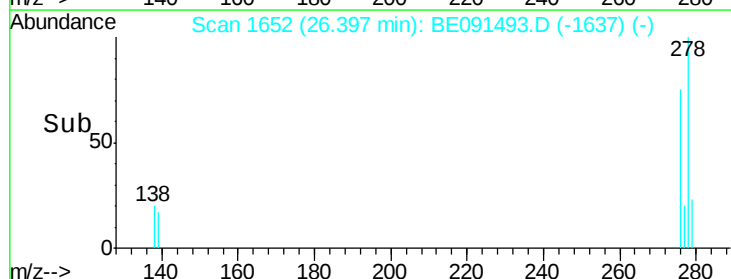
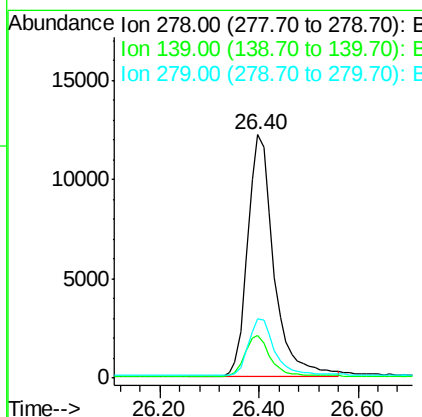
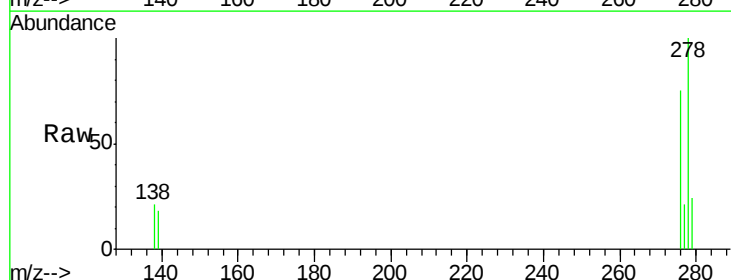
RT: 26.40 min Scan# 1652

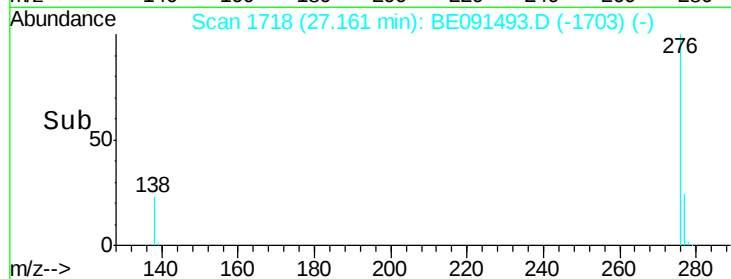
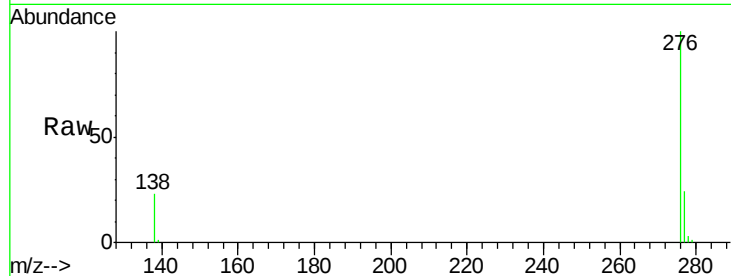
Delta R.T. -0.02 min

Lab File: BE091493.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: BE091493.D

Acq: 18 Mar 2016 21:33

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

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

Sohil
3/29/2016 3:27:32 PM

