

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
 Data File : BE091475.D
 Acq On : 17 Mar 2016 20:23
 Operator : UM/SJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
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Quant Time: Mar 18 14:17:24 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 02:38:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	57154	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	273787	5.00	ng	0.00
10) Acenaphthene-d10	14.45	164	159819	5.00	ng	0.00
16) Phenanthrene-d10	17.18	188	381109	5.00	ng	0.00
22) Chrysene-d12	21.34	240	539489	5.00	ng	0.00
28) Perylene-d12	23.81	264	456464	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	72005	6.98	ng	0.00
5) Phenol-d6	6.99	99	101320	8.28	ng	0.00
7) Nitrobenzene-d5	8.98	82	72552	6.19	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	28015m	6.58	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	221896	4.98	ng	0.00
24) Terphenyl-d14	19.80	244	343856	5.10	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	34111	5.26	ng	95
3) n-Nitrosodimethylamine	3.66	42	60702	12.39	ng	# 91
8) Naphthalene	10.65	128	352730	4.81	ng	99
9) 2-Methylnaphthalene	12.27	142	238057	5.16	ng	95
13) Acenaphthylene	14.16	152	415324	5.26	ng	98
14) Acenaphthene	14.50	154	266582	4.69	ng	99
15) Fluorene	15.48	166	335354	5.09	ng	100
17) Hexachlorobenzene	16.48	284	87719	3.62	ng	99
18) Pentachlorophenol	16.83	266	45163	19.19	ng	93
19) Phenanthrene	17.22	178	566966	4.73	ng	99
20) Anthracene	17.31	178	547368	5.16	ng	99
21) Fluoranthene	19.23	202	700828	5.47	ng	100
23) Pyrene	19.59	202	741719	3.71	ng	99
25) Benzo(a)anthracene	21.31	228	807520m	4.52	ng	
27) Indeno(1,2,3-cd)pyrene	26.40	276	842660	5.56	ng	99
29) Benzo(b)fluoranthene	23.04	252	758085	4.58	ng	96
30) Benzo(k)fluoranthene	23.09	252	771573	4.71	ng	93
31) Benzo(a)pyrene	23.69	252	714721	5.11	ng	# 95
32) Dibenzo(a,h)anthracene	26.42	278	710477	6.05	ng	97
33) Benzo(g,h,i)perylene	27.18	276	714165	5.37	ng	98

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

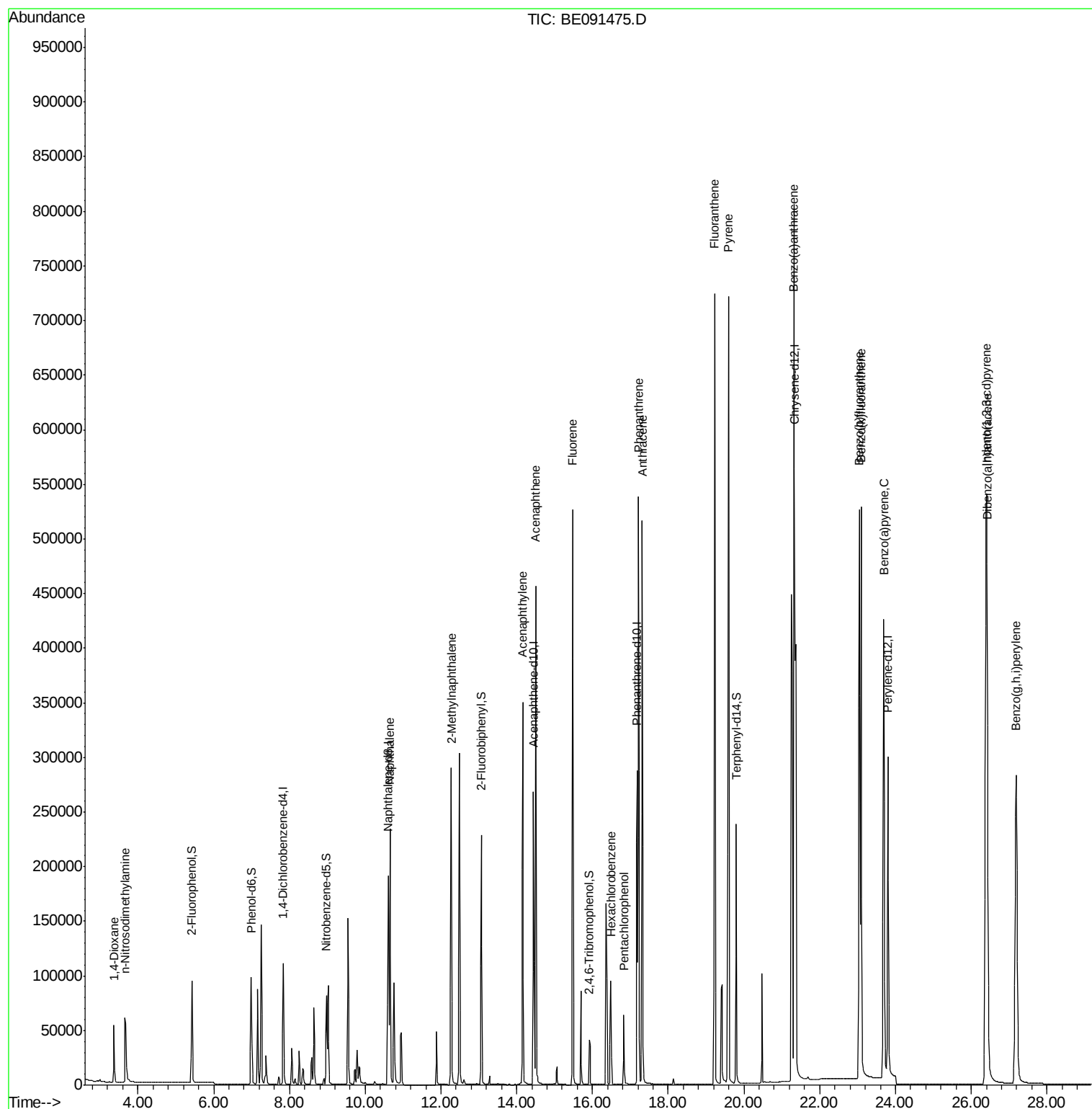
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
Data File : BE091475.D
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Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

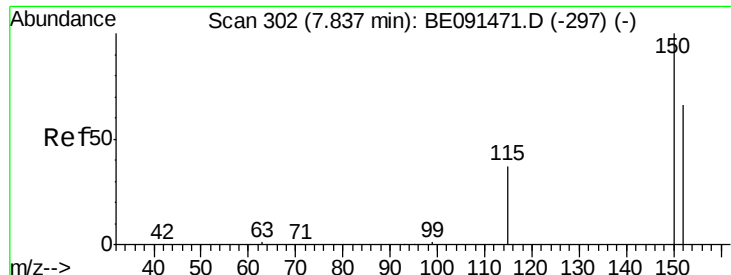
Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BE091475.D

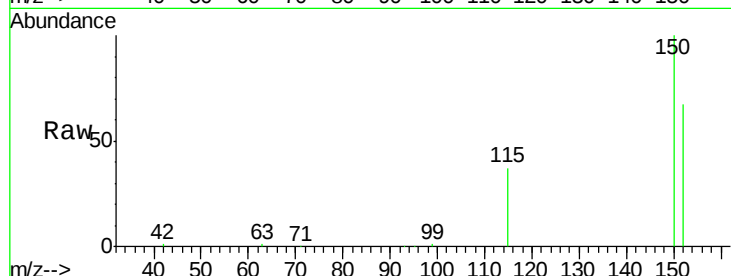
Acq: 17 Mar 2016 20:23

Instrument :

BNA_E

ClientSampleId :

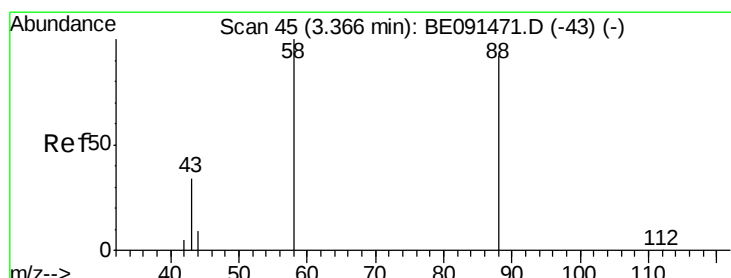
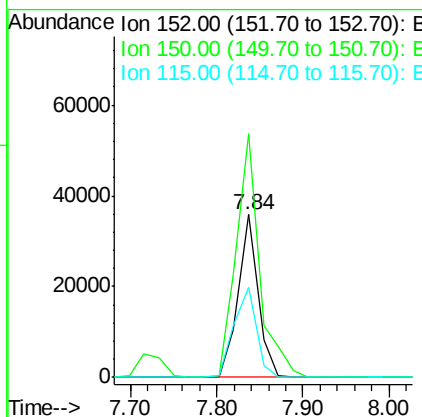
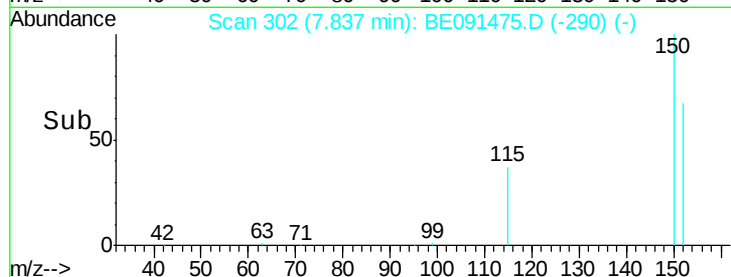
SSTDIC005



Tgt Ion:	152	Resp:	57154
Ion Ratio	Lower	Upper	
152	100		
150	149.9	122.2	183.2
115	55.5	45.9	68.9

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#2

1,4-Dioxane

Concen: 5.26 ng

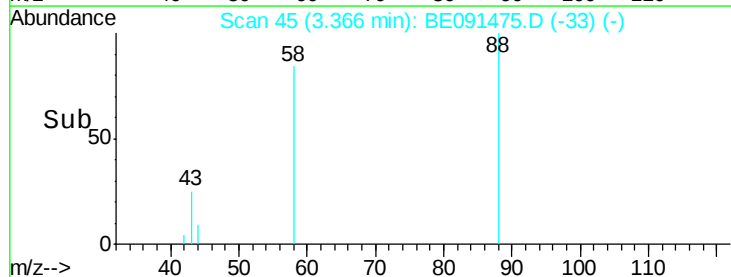
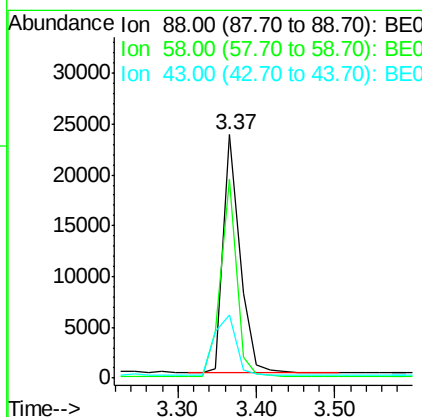
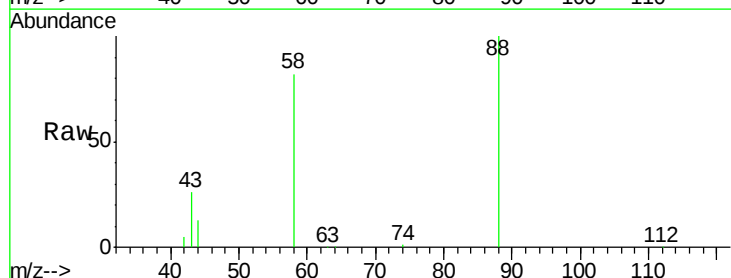
RT: 3.37 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

Tgt Ion:	88	Resp:	34111
Ion Ratio	Lower	Upper	
88	100		
58	81.1	61.0	91.6
43	33.7	25.4	38.2





#3

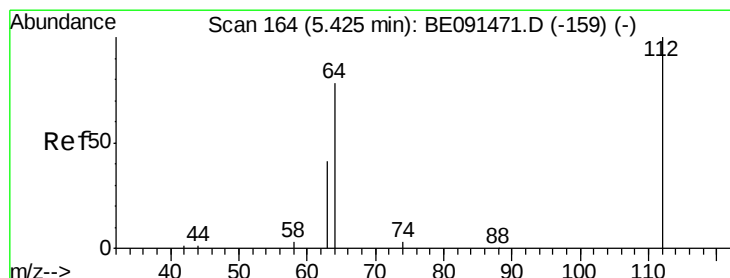
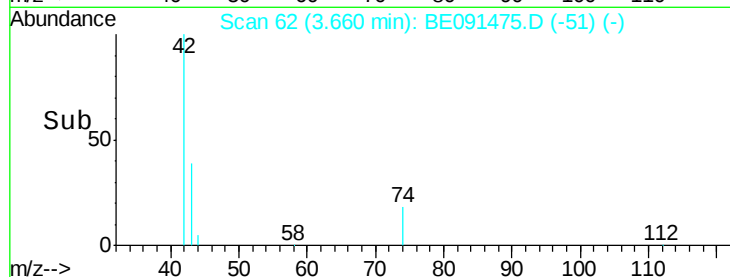
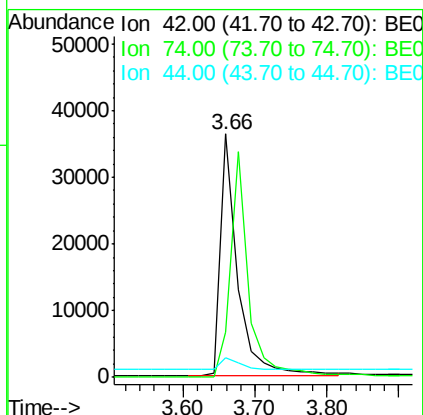
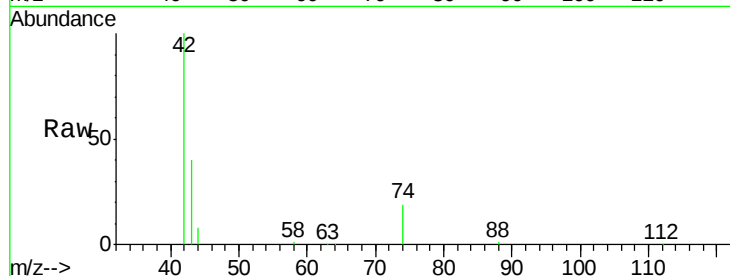
n-Nitrosodimethylamine
 Concen: 12.39 ng
 RT: 3.66 min Scan# 62
 Delta R.T. -0.02 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

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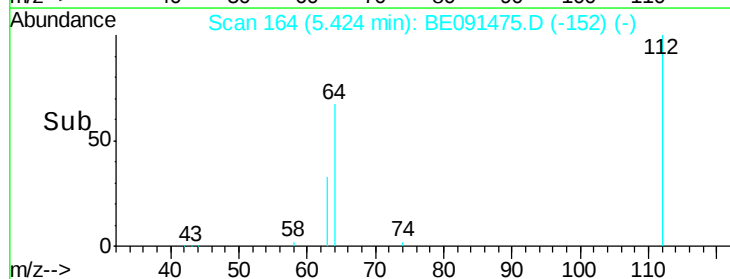
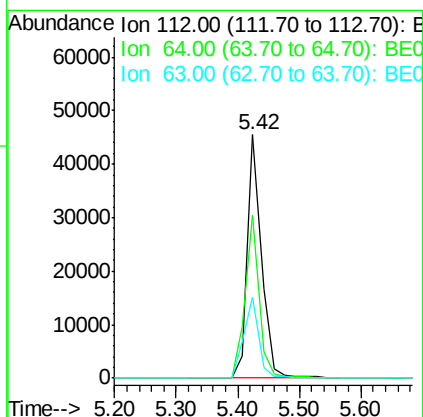
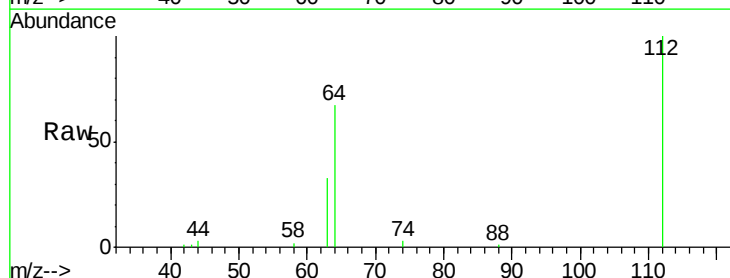
Tgt Ion	Ratio	Lower	Upper
42	100		
74	96.3	84.3	126.5
44	6.4	6.7	10.1#

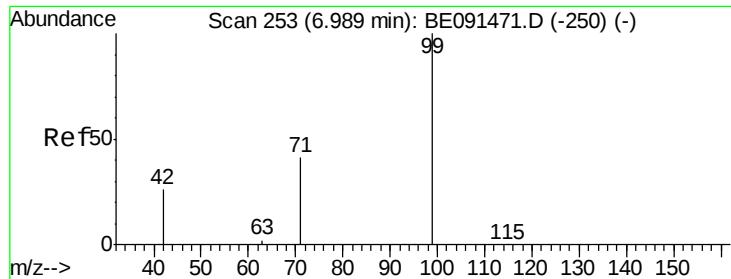


#4

2-Fluorophenol
 Concen: 6.98 ng
 RT: 5.42 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	53.3	79.9
63	35.5	29.8	44.8





#5

Phenol-d6

Concen: 8.28 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

Instrument :

BNA_E

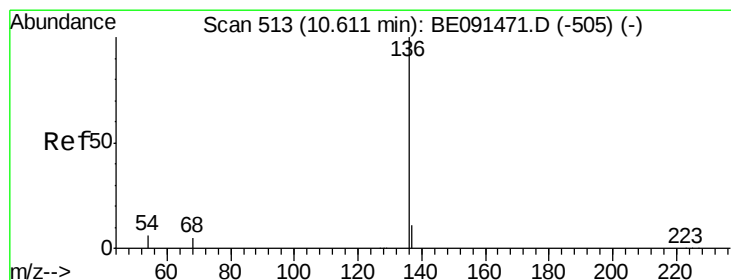
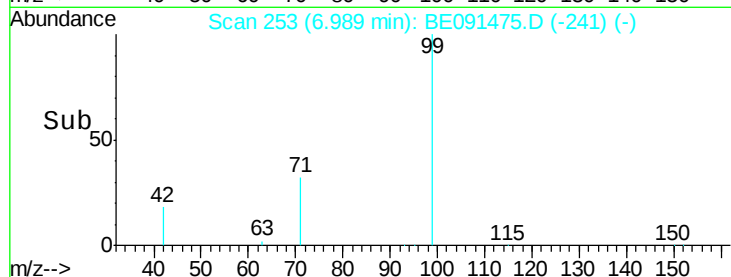
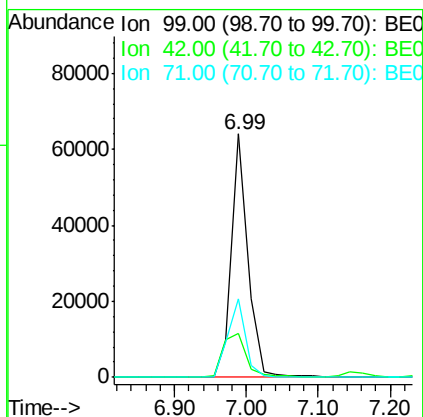
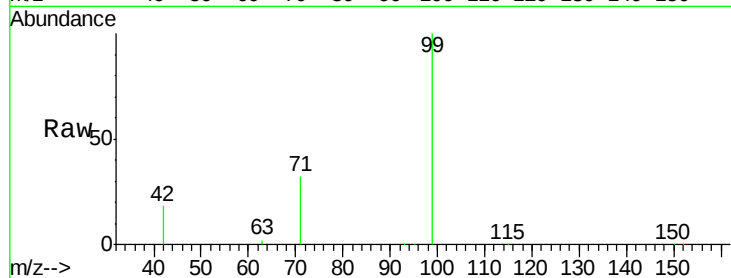
ClientSampleId :

SSTDIC005

Tgt Ion:	99	Resp:	101320
Ion Ratio	Lower	Upper	
99	100		
42	25.1	20.6	30.8
71	34.9	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

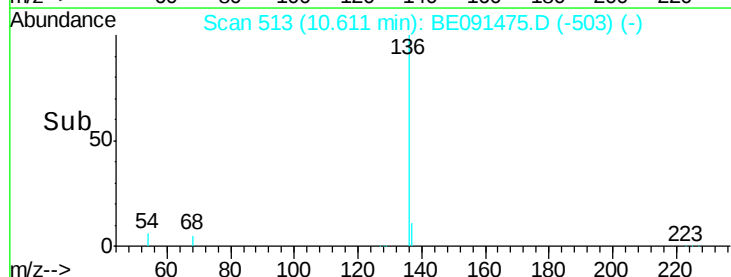
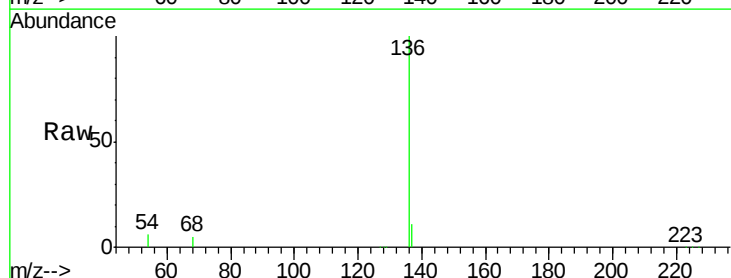
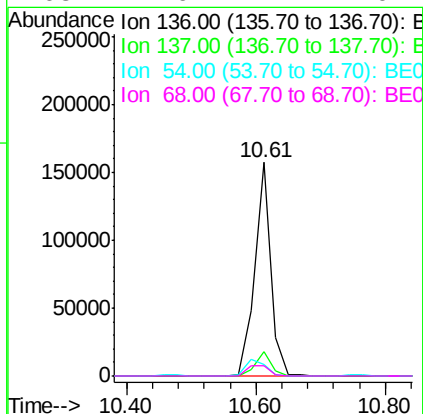
RT: 10.61 min Scan# 513

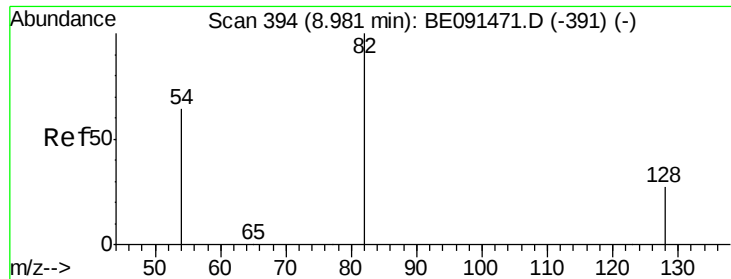
Delta R.T. 0.00 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

Tgt Ion:	136	Resp:	273787
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	5.7	5.2	7.8
68	4.6	4.1	6.1





#7

Nitrobenzene-d5

Concen: 6.19 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.00 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

Instrument :

BNA_E

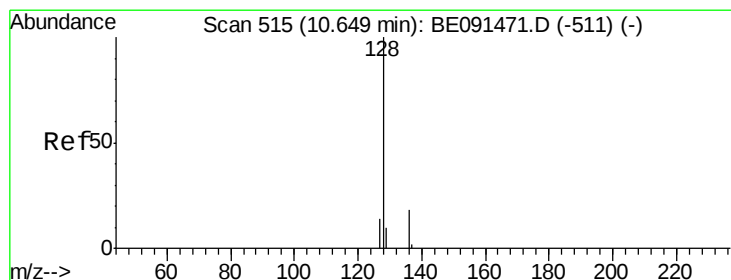
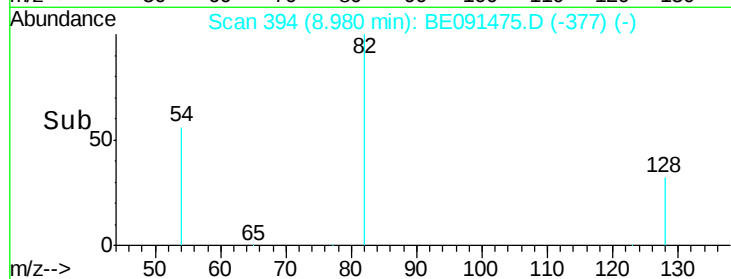
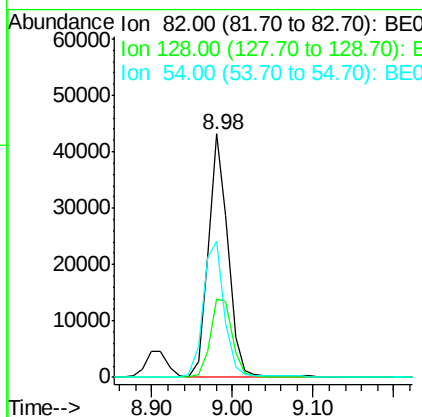
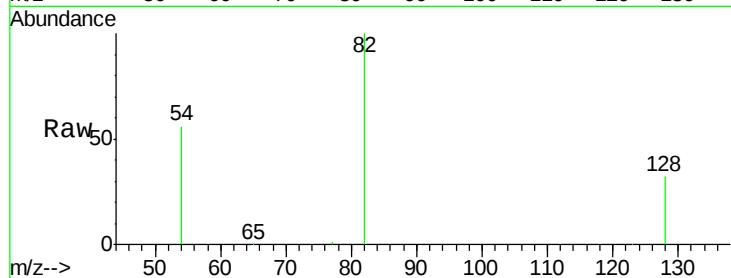
ClientSampleId :

SSTDIC005

Tgt Ion:	82	Resp:	72552
Ion Ratio	Lower	Upper	
82	100		
128	32.3	23.5	35.3
54	56.0	52.4	78.6

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#8

Naphthalene

Concen: 4.81 ng

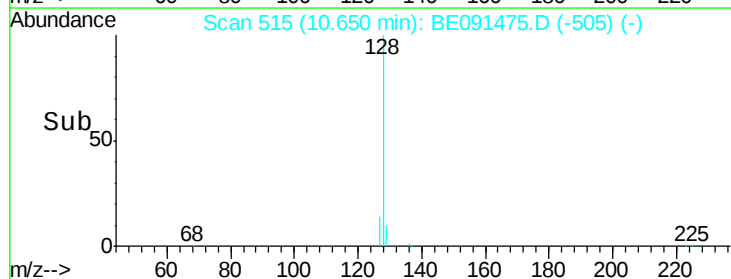
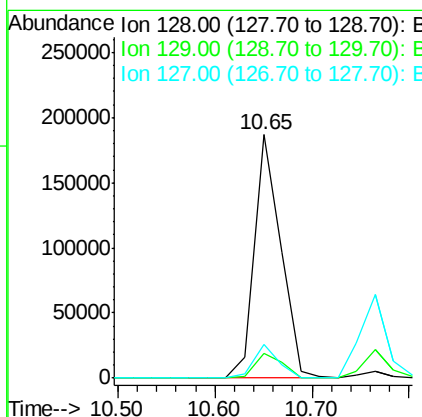
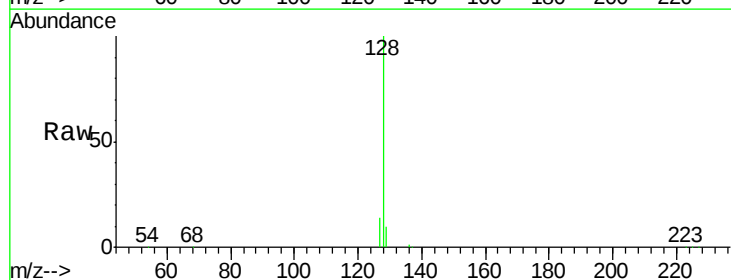
RT: 10.65 min Scan# 515

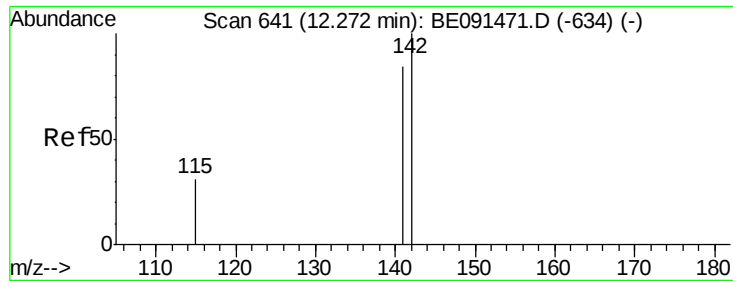
Delta R.T. 0.00 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

Tgt Ion:	128	Resp:	352730
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.2	12.2
127	14.0	11.8	17.8





#9

2-Methylnaphthalene

Concen: 5.16 ng

RT: 12.27 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE091475.D

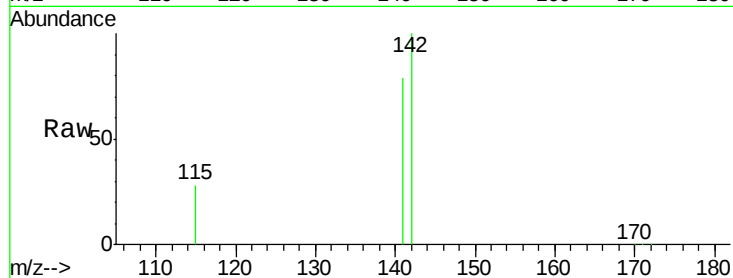
Acq: 17 Mar 2016 20:23

Instrument :

BNA_E

ClientSampleId :

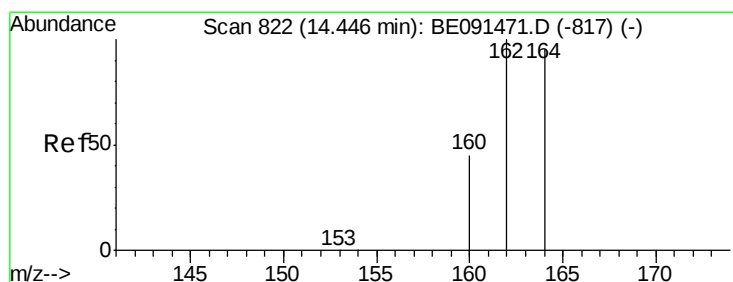
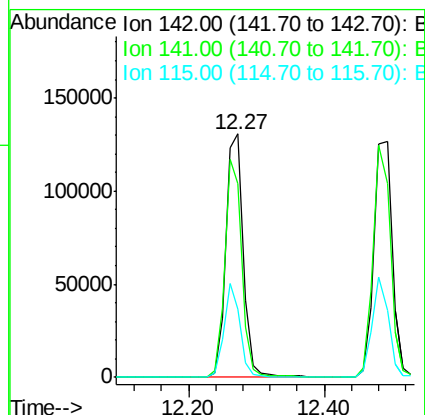
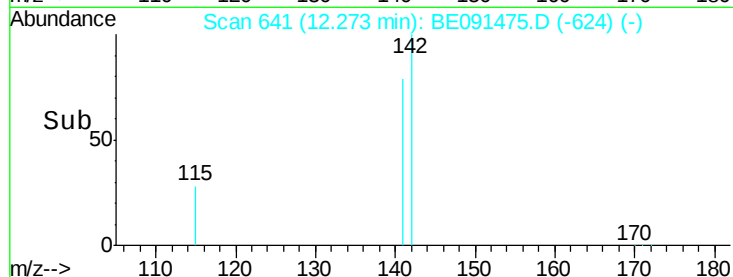
SSTDIC005



Tgt Ion:	142	Resp:	238057
Ion Ratio	Lower	Upper	
142	100		
141	79.3	66.9	100.3
115	28.3	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

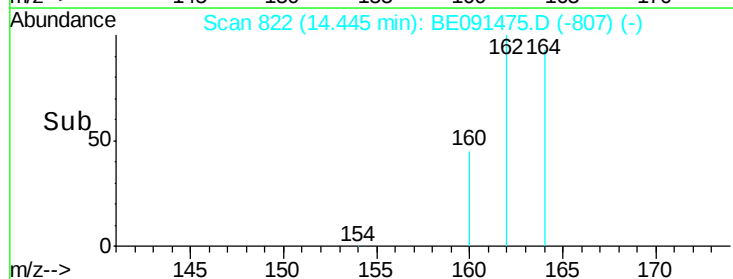
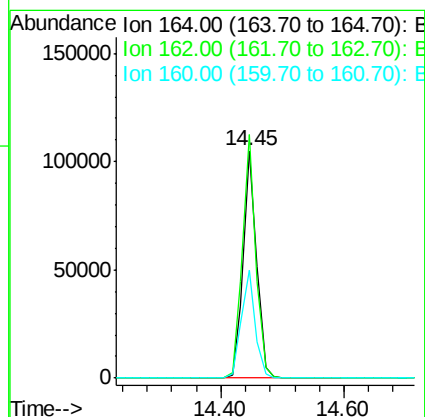
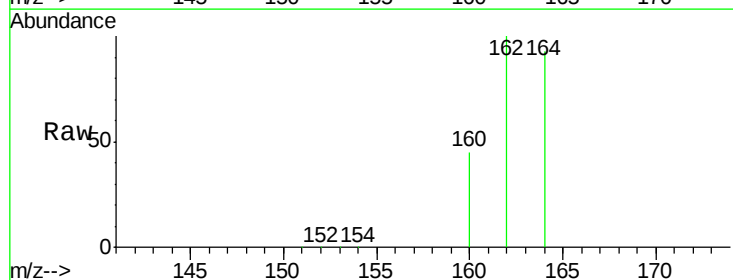
RT: 14.45 min Scan# 822

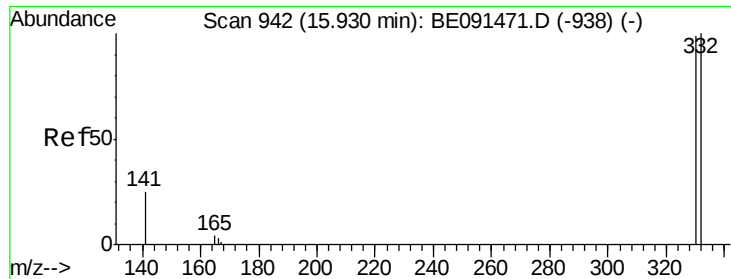
Delta R.T. -0.00 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

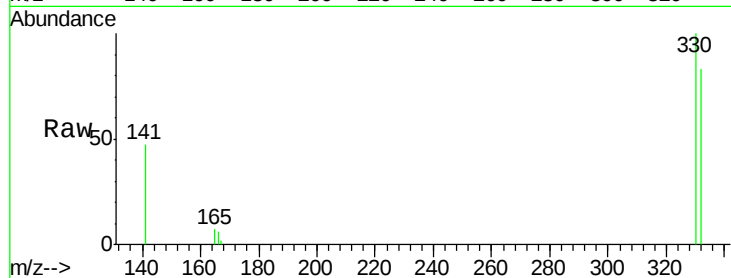
Tgt Ion:	164	Resp:	159819
Ion Ratio	Lower	Upper	
164	100		
162	107.1	84.4	126.6
160	47.8	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 6.58 ng m
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

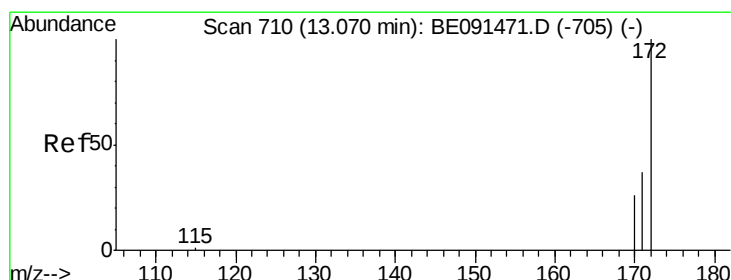
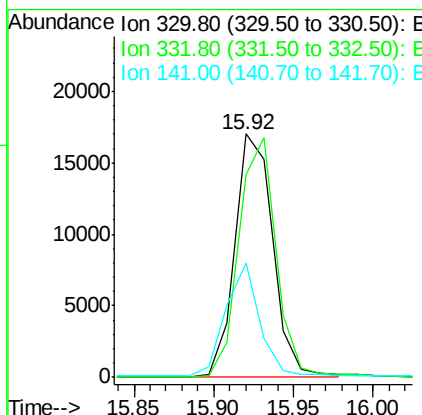
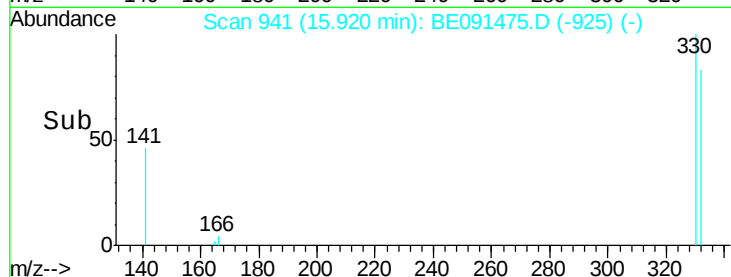
Instrument :
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 SSTDICC005



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	28015		
332	114.2	79.2	118.8	
141	47.7	28.1	42.1	

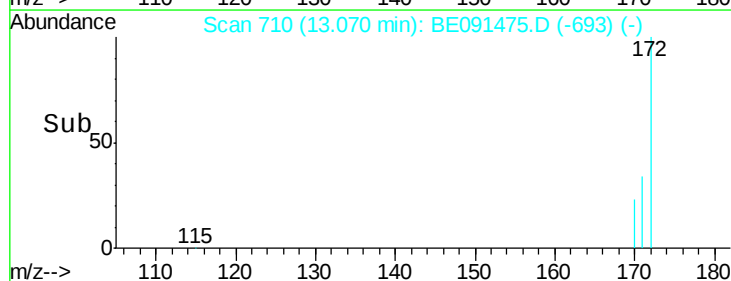
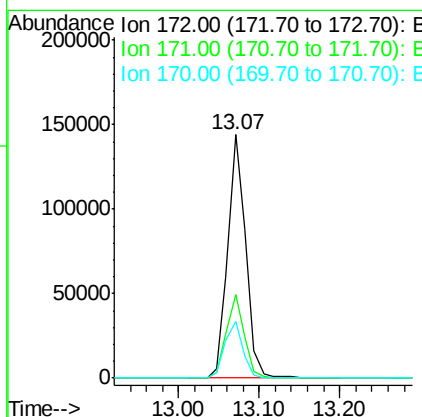
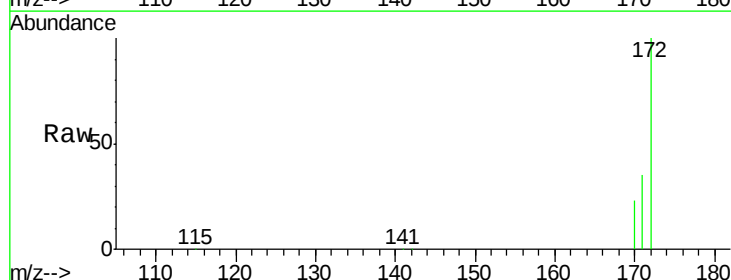
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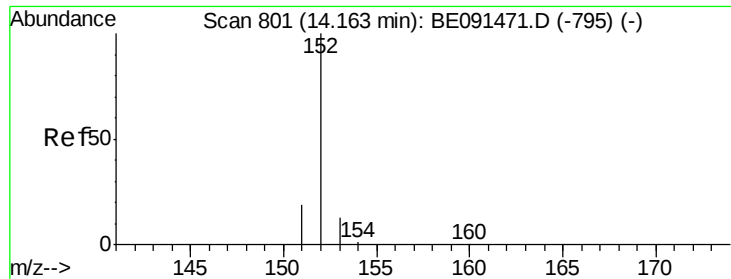
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#12
 2-Fluorobiphenyl
 Concen: 4.98 ng
 RT: 13.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	221896		
171	34.5	29.8	44.8	
170	23.3	21.4	32.2	





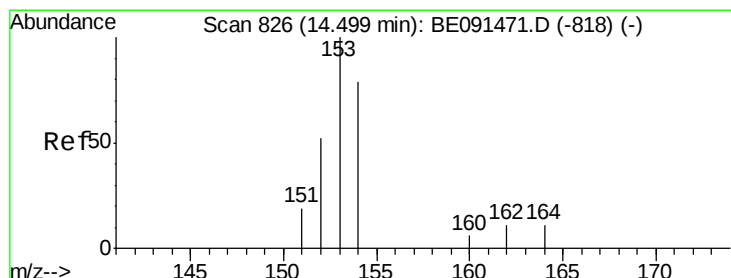
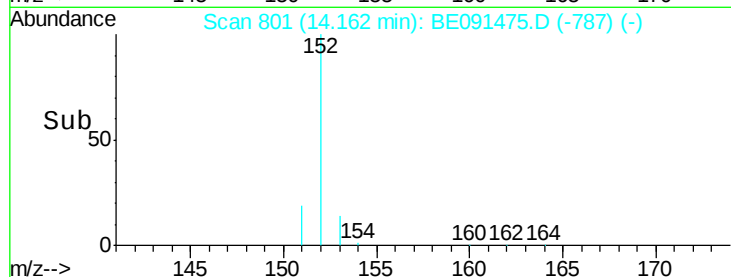
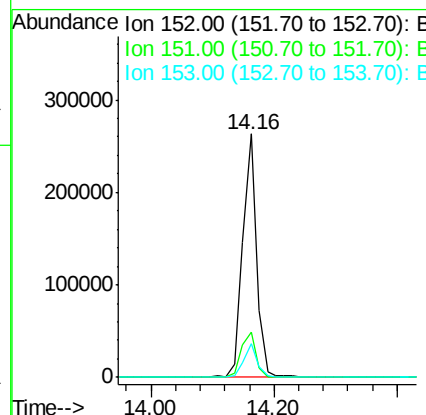
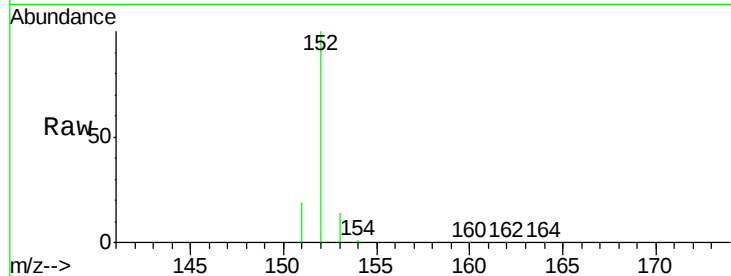
#13
Acenaphthylene
Concen: 5.26 ng
RT: 14.16 min Scan# 801
Delta R.T. -0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.2	11.1	16.7

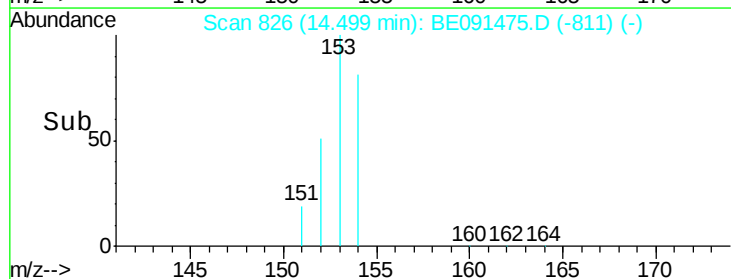
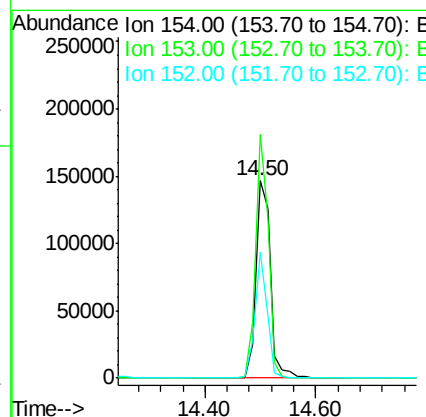
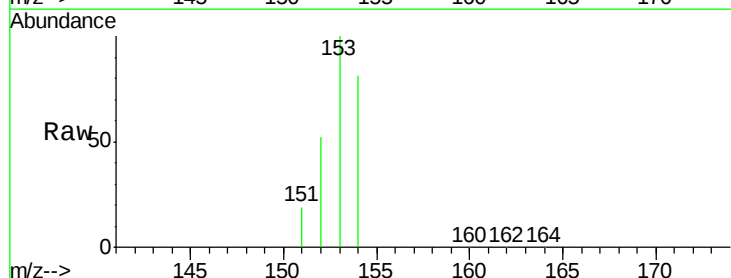
Manual Integrations
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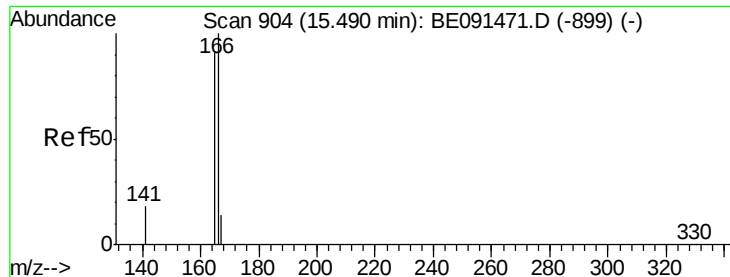
UMANGI
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#14
Acenaphthene
Concen: 4.69 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	107.9	87.3	130.9
152	52.7	42.9	64.3





#15

Fluorene

Concen: 5.09 ng

RT: 15.48 min Scan# 903

Delta R.T. -0.01 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

Instrument :

BNA_E

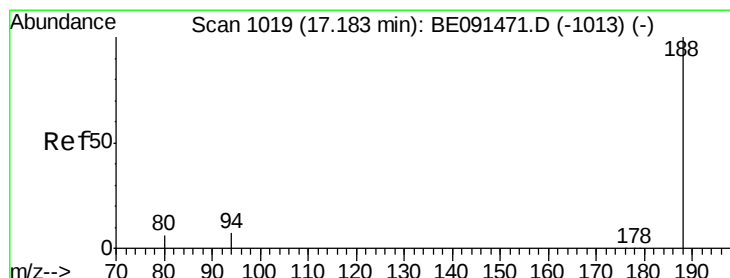
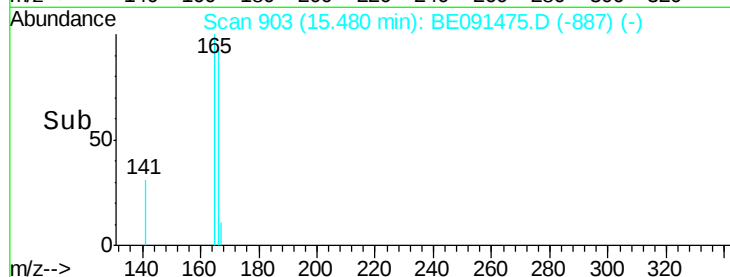
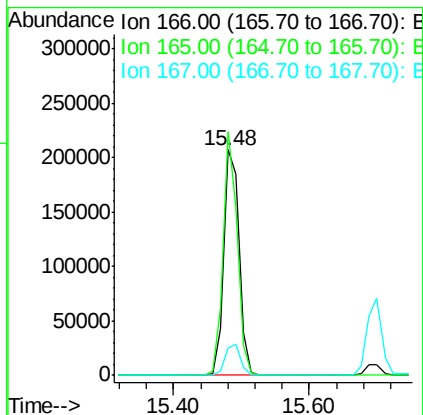
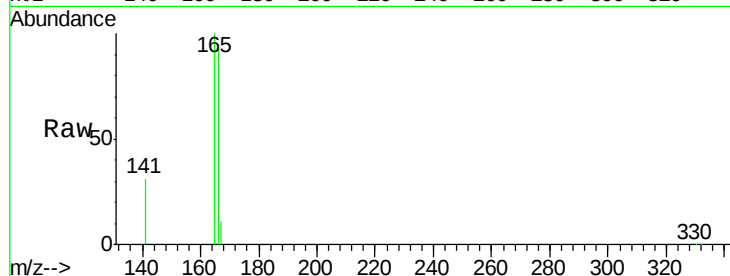
ClientSampleId :

SSTDICC005

Tgt Ion:	166	Resp:	335354
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.2	118.8
167	13.6	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

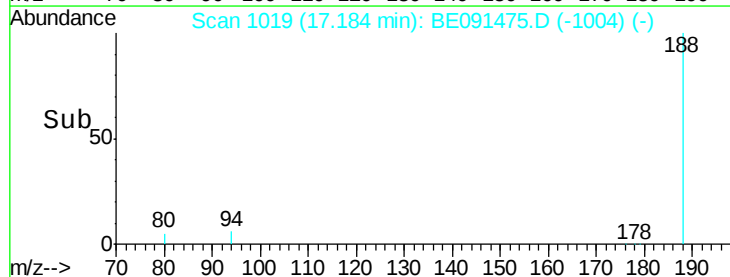
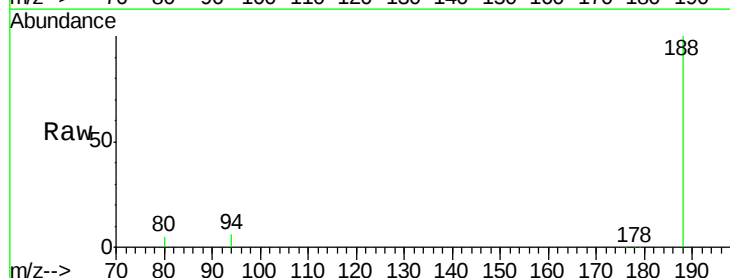
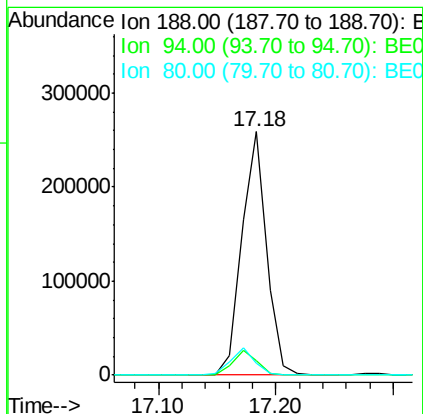
RT: 17.18 min Scan# 1019

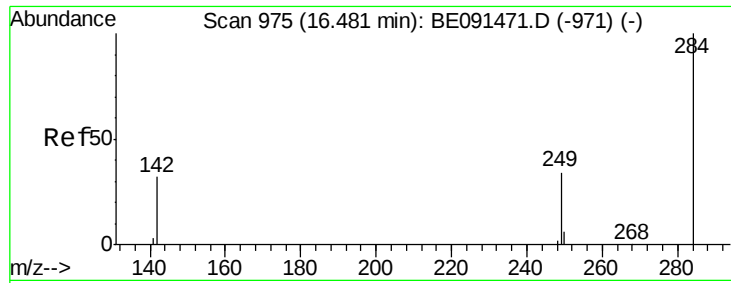
Delta R.T. 0.00 min

Lab File: BE091475.D

Acq: 17 Mar 2016 20:23

Tgt Ion:	188	Resp:	381109
Ion Ratio	Lower	Upper	
188	100		
94	5.8	5.4	8.2
80	5.1	5.0	7.4





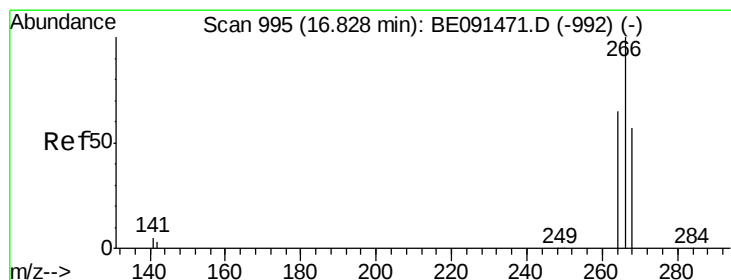
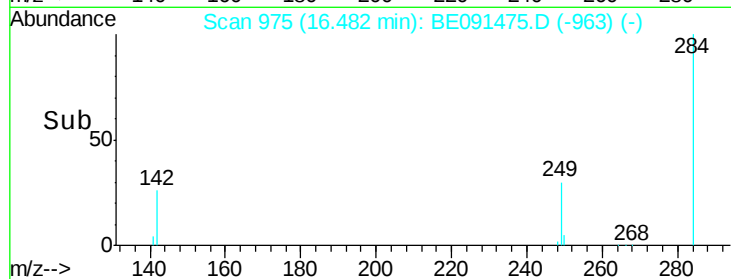
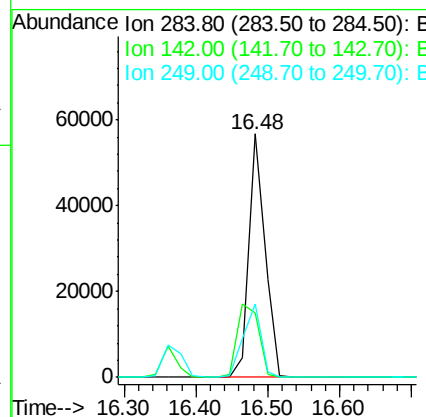
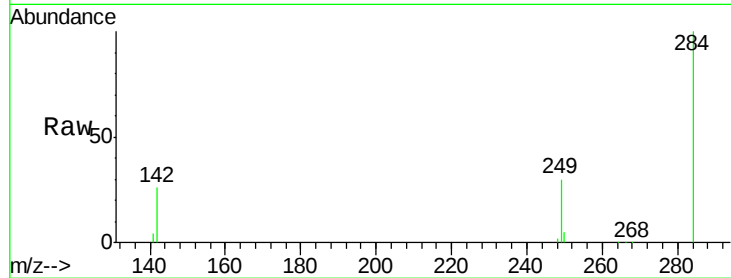
#17
Hexachlorobenzene
Concen: 3.62 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	87719		
142	39.2		31.0	46.4
249	32.5		25.8	38.8

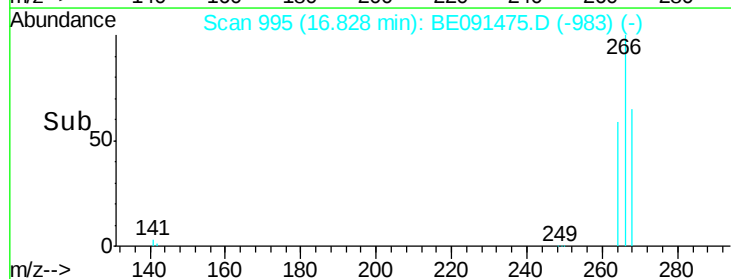
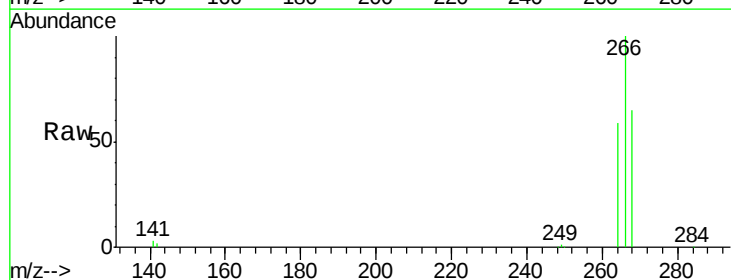
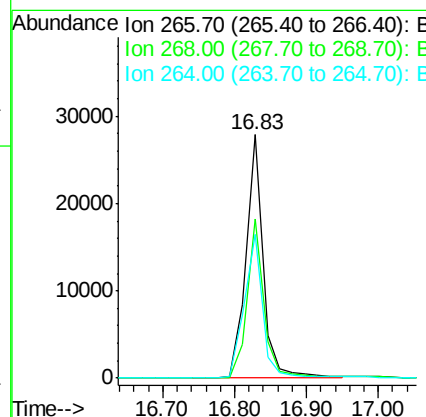
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#18
Pentachlorophenol
Concen: 19.19 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	45163		
268	65.2		48.2	72.2
264	59.1		52.1	78.1





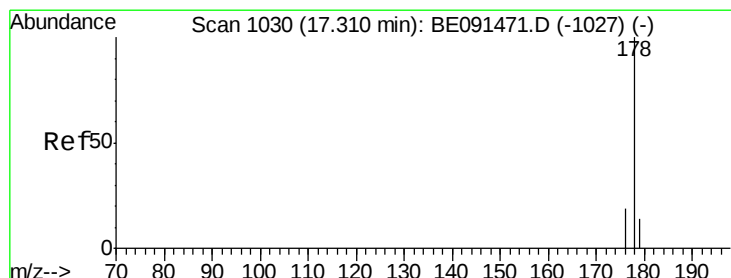
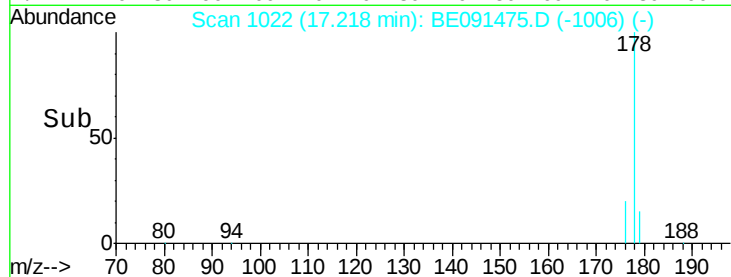
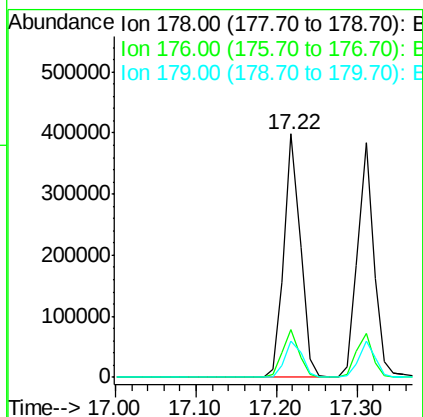
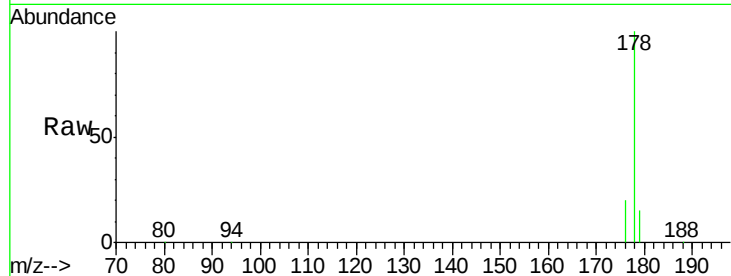
#19
Phenanthrene
Concen: 4.73 ng
RT: 17.22 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.5	13.1	19.7

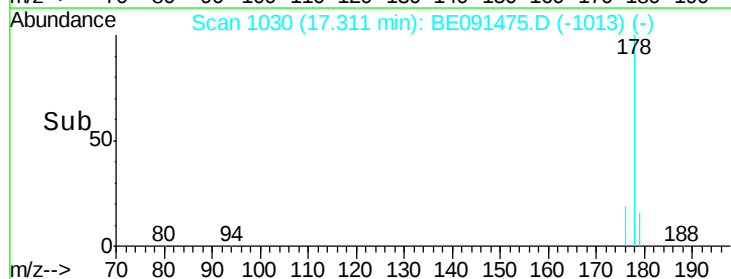
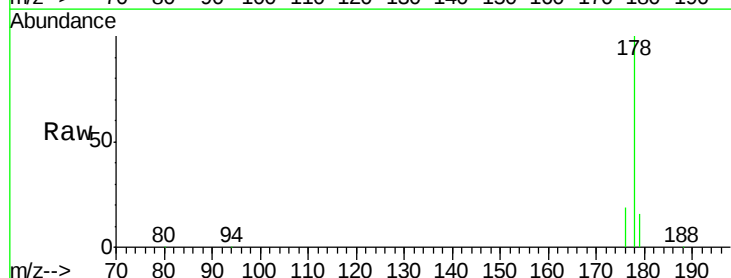
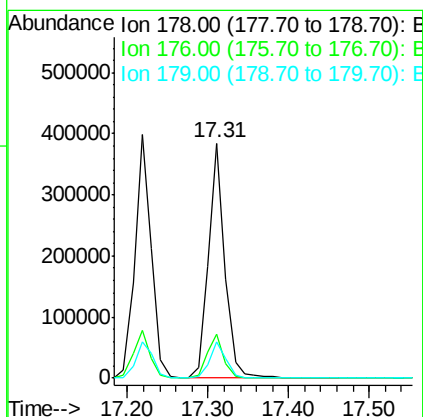
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#20
Anthracene
Concen: 5.16 ng
RT: 17.31 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.6	12.2	18.4





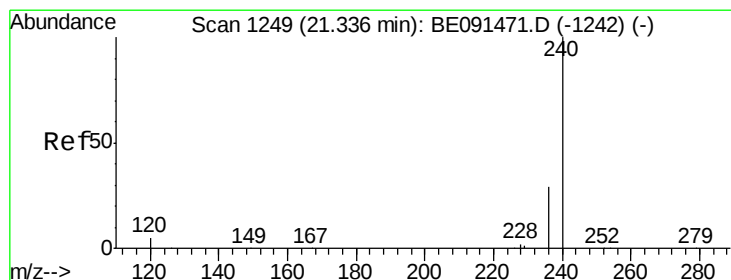
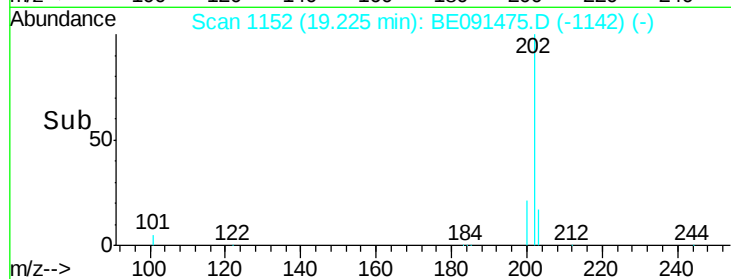
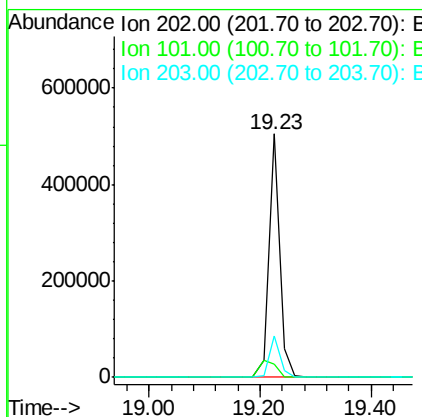
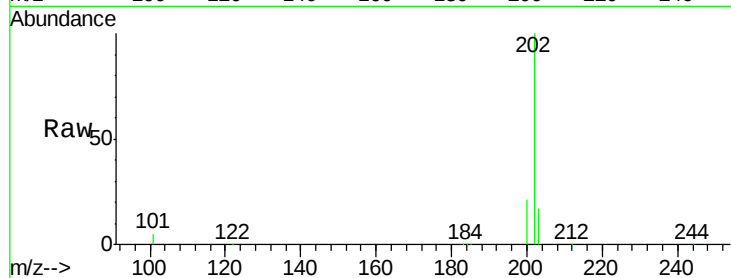
#21
 Fluoranthene
 Concen: 5.47 ng
 RT: 19.23 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		700828		
101	10.3	8.3	12.5		
203	17.3	13.9	20.9		

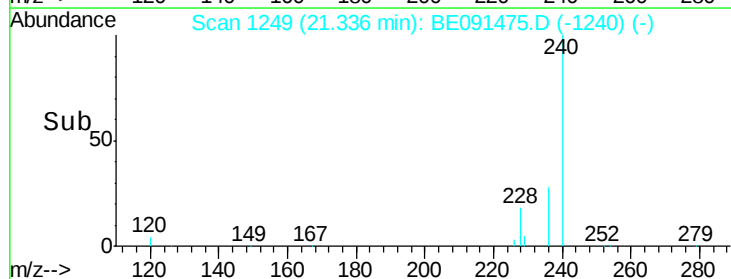
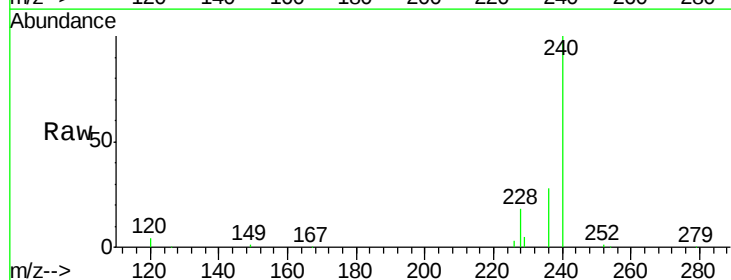
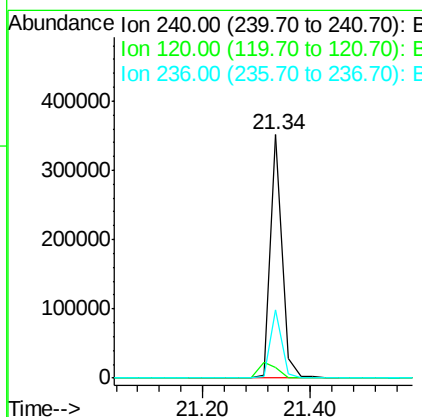
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#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		539489		
120	4.3	4.0	6.0		
236	28.1	23.0	34.4		





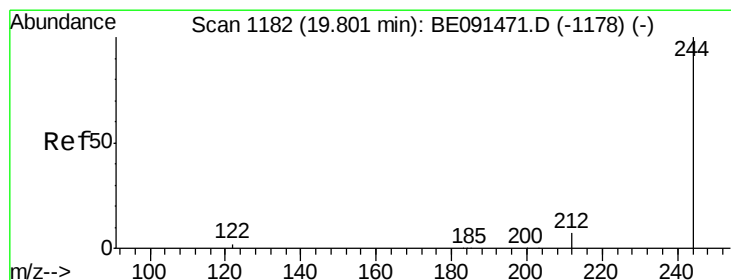
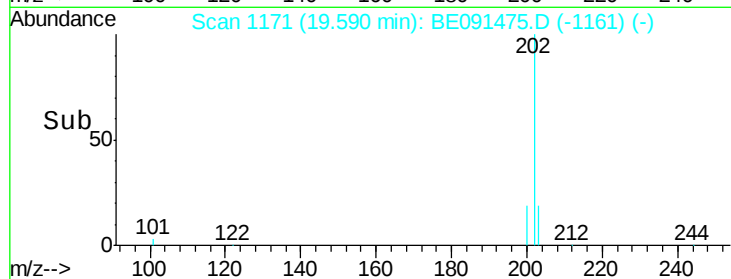
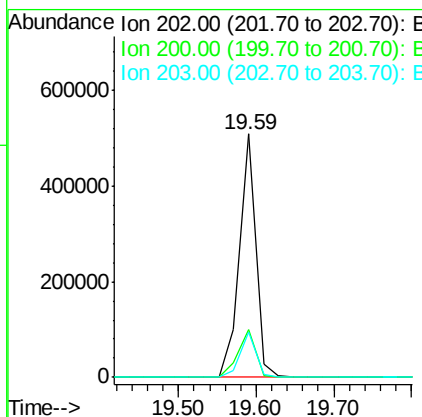
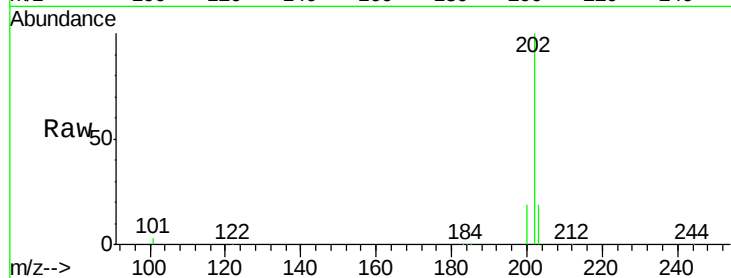
#23
 Pyrene
 Concen: 3.71 ng
 RT: 19.59 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	741719		
200	20.9	16.4	24.6	
203	17.9	14.6	21.8	

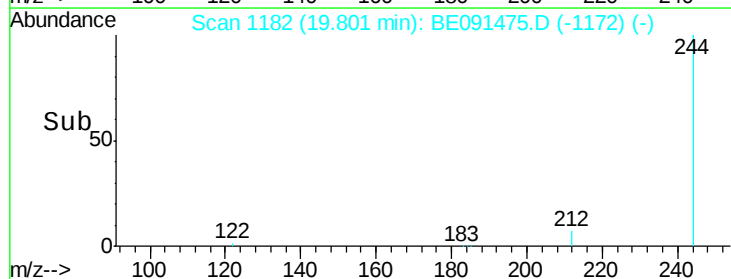
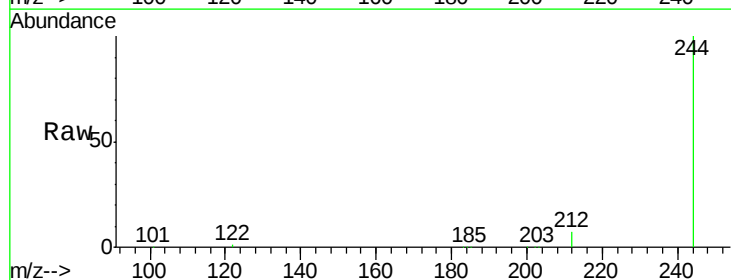
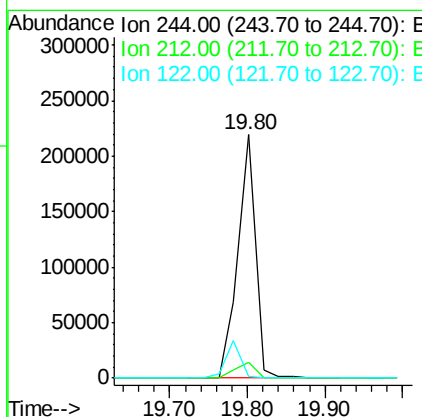
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#24
 Terphenyl-d14
 Concen: 5.10 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: BE091475.D
 Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	343856		
212	6.6	5.8	8.8	
122	0.9	1.8	2.8#	





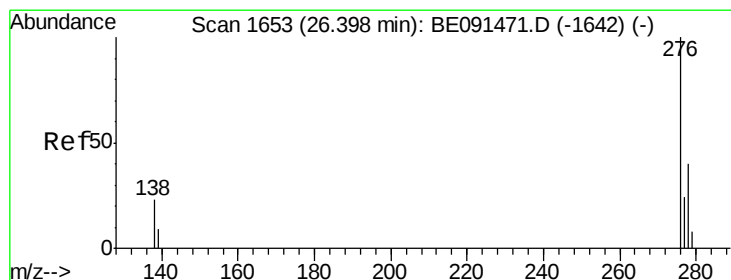
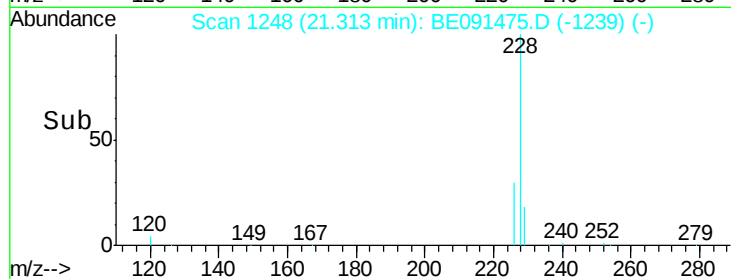
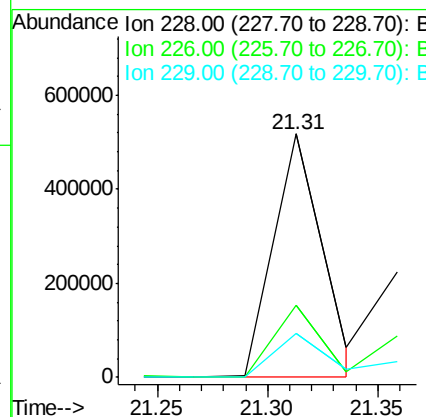
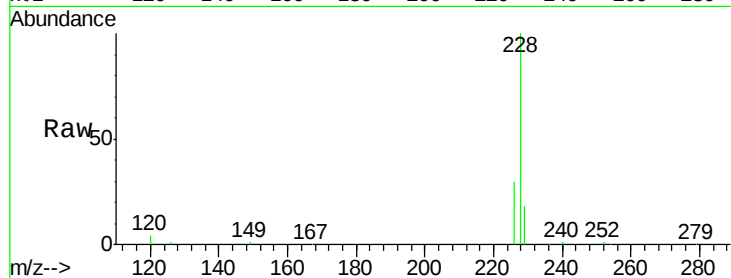
#25
Benzo(a)anthracene
Concen: 4.52 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	18.0	13.8	20.6

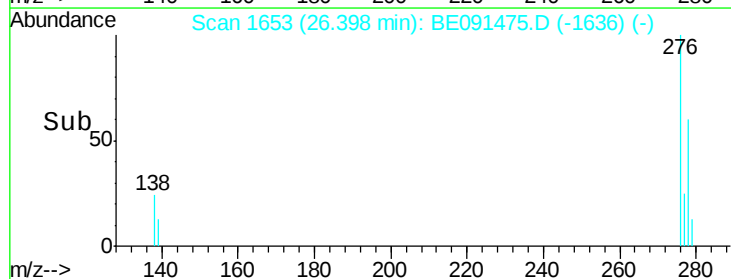
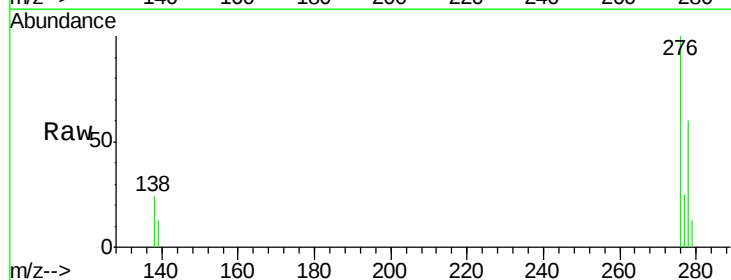
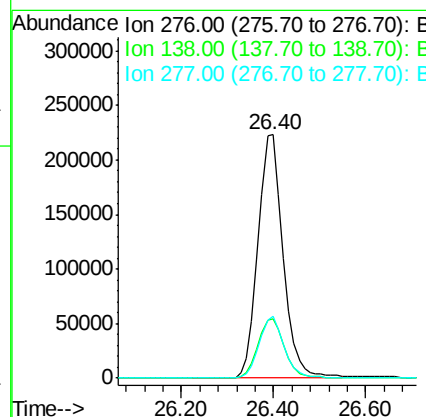
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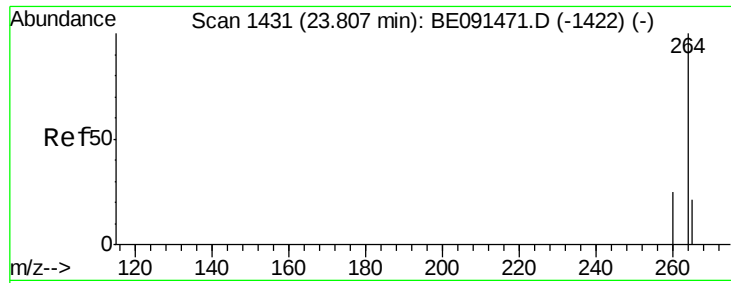
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#27
Indeno(1,2,3-cd)pyrene
Concen: 5.56 ng
RT: 26.40 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.2	30.4
277	24.9	19.8	29.8





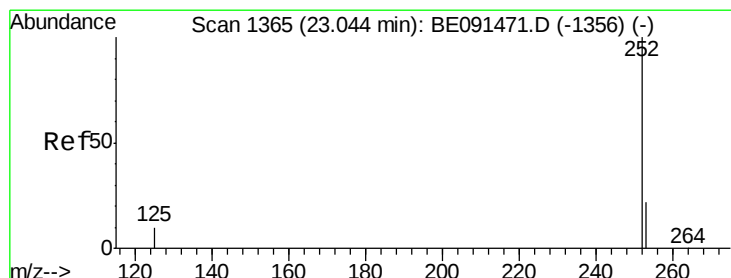
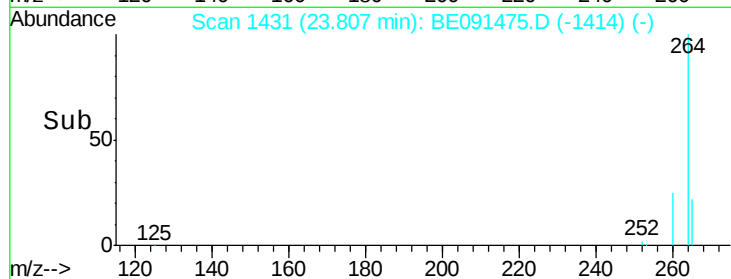
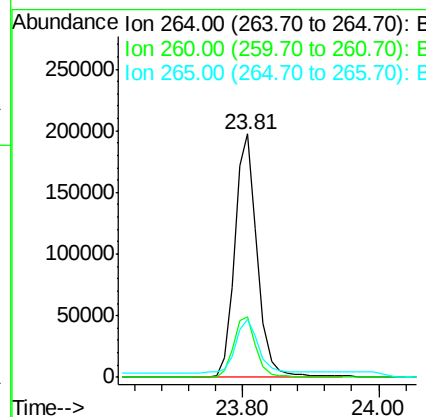
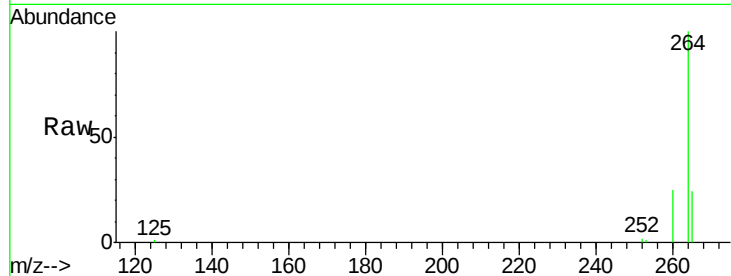
#28
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	456464		
260	24.7	20.1	30.1	
265	23.9	18.3	27.5	

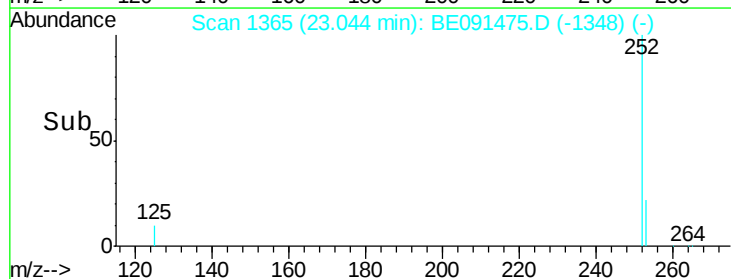
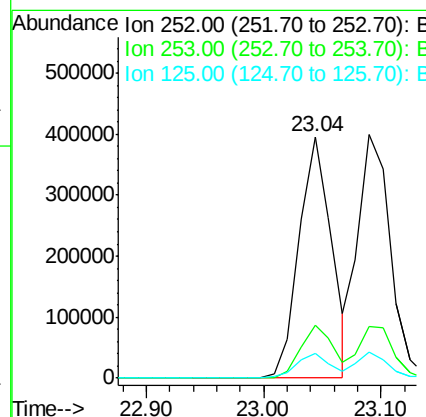
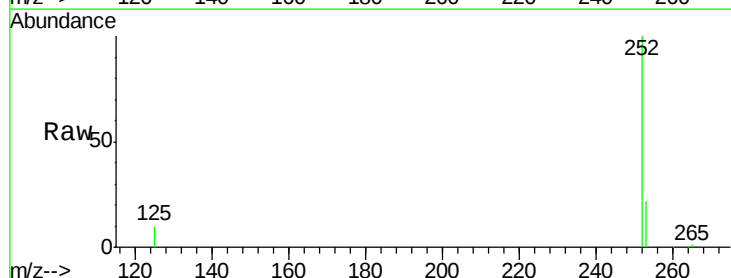
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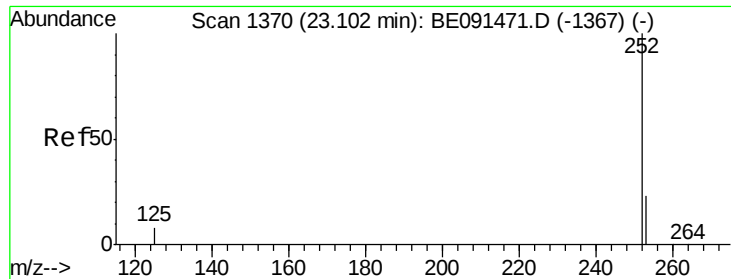
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#29
Benzo(b)fluoranthene
Concen: 4.58 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	758085		
253	22.0	18.7	28.1	
125	10.1	9.8	14.6	





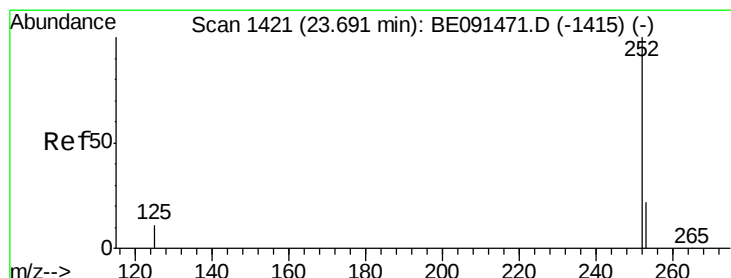
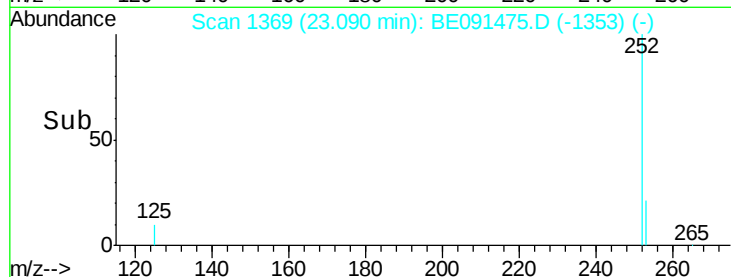
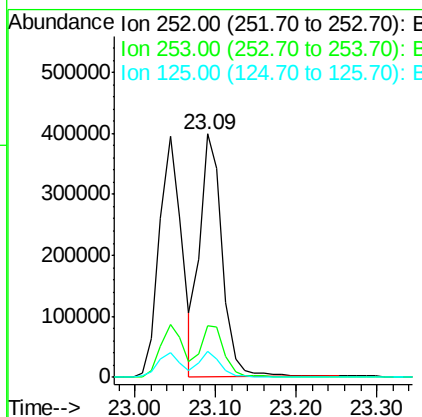
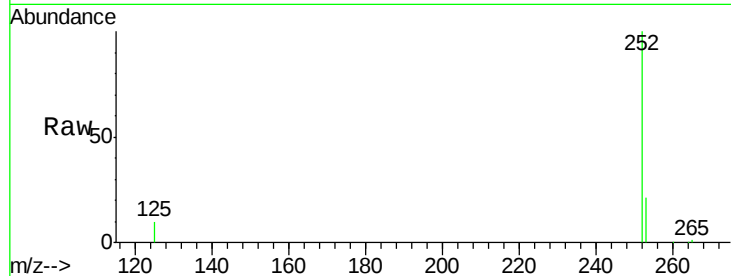
#30
Benzo(k)fluoranthene
Concen: 4.71 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	20.2	30.4
125	10.5	9.4	14.2

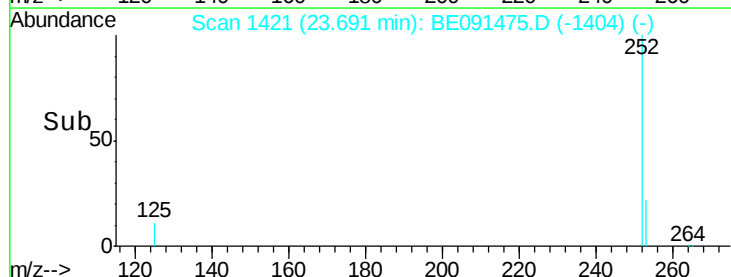
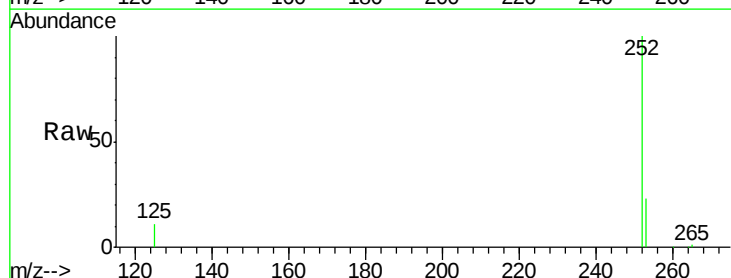
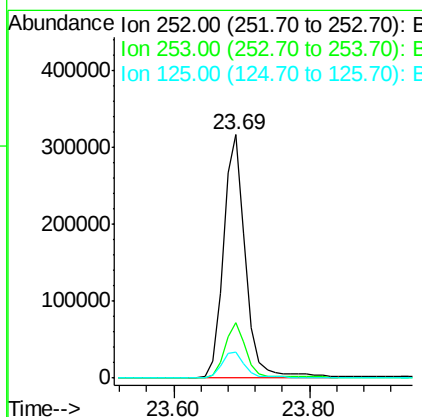
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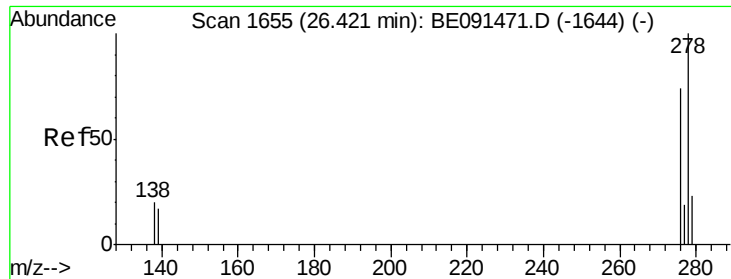
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#31
Benzo(a)pyrene
Concen: 5.11 ng
RT: 23.69 min Scan# 1421
Delta R.T. -0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

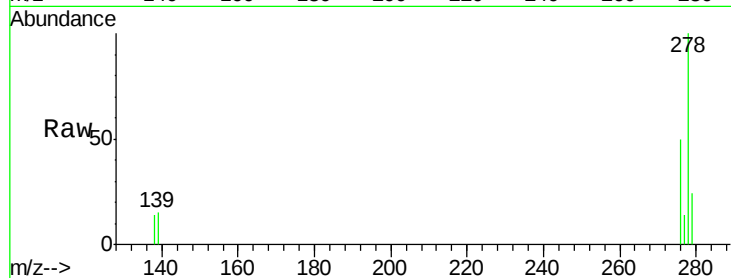
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.4	29.0
125	10.8	11.4	17.2





#32
Dibenzo(a,h)anthracene
Concen: 6.05 ng
RT: 26.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

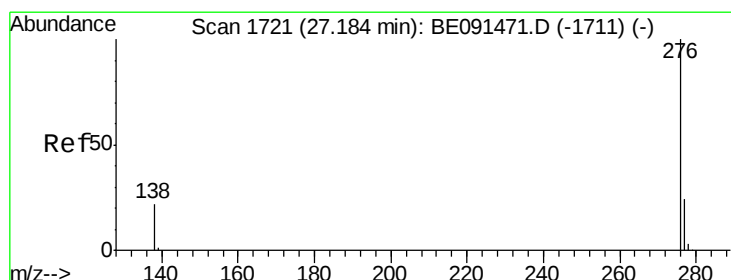
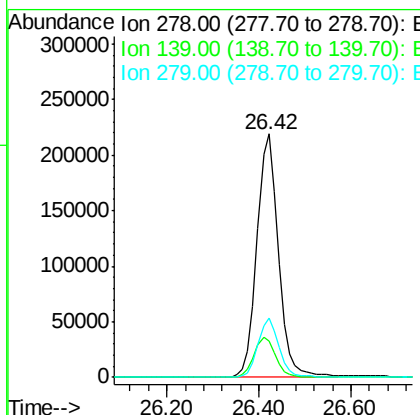
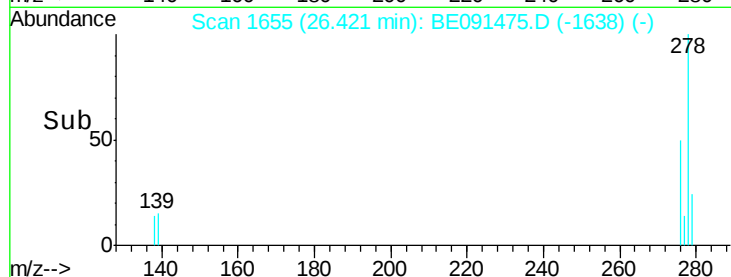
Instrument :
BNA_E
ClientSampleId :
SSTDICC005



Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	14.2	21.4
279	24.3	19.6	29.4

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:54 PM



#33
Benzo(g,h,i)perylene
Concen: 5.37 ng
RT: 27.18 min Scan# 1721
Delta R.T. 0.00 min
Lab File: BE091475.D
Acq: 17 Mar 2016 20:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.2
138	21.8	18.2	27.4

