

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
 Data File : BE091469.D
 Acq On : 17 Mar 2016 16:39
 Operator : UM/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
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 3/18/2016 6:10:42 PM

Quant Time: Mar 18 02:48:51 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	58605	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	253033	5.00	ng	0.00
10) Acenaphthene-d10	14.44	164	152243	5.00	ng	0.00
16) Phenanthrene-d10	17.18	188	387002	5.00	ng	0.00
22) Chrysene-d12	21.34	240	548010	5.00	ng	0.00
28) Perylene-d12	23.81	264	489333	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	1384	0.13	ng	0.00
5) Phenol-d6	7.01	99	1616	0.13	ng	0.02
7) Nitrobenzene-d5	8.99	82	1045	0.10	ng	0.01
11) 2,4,6-Tribromophenol	15.93	330	394m	0.10	ng	0.00
12) 2-Fluorobiphenyl	13.08	172	3682	0.09	ng	0.01
24) Terphenyl-d14	19.80	244	6913	0.10	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	965	0.15	ng	88
3) n-Nitrosodimethylamine	3.68	42	912	0.18	ng	# 98
8) Naphthalene	10.65	128	6617	0.10	ng	96
9) 2-Methylnaphthalene	12.27	142	3856	0.09	ng	95
13) Acenaphthylene	14.16	152	5917	0.08	ng	# 73
14) Acenaphthene	14.51	154	4685	0.09	ng	94
15) Fluorene	15.49	166	6011	0.10	ng	98
17) Hexachlorobenzene	16.48	284	1792	0.07	ng	100
18) Pentachlorophenol	16.84	266	658	0.28	ng	# 88
19) Phenanthrene	17.22	178	11942	0.10	ng	97
20) Anthracene	17.31	178	9335	0.09	ng	99
21) Fluoranthene	19.23	202	13080	0.10	ng	98
23) Pyrene	19.59	202	13812	0.07	ng	98
25) Benzo(a)anthracene	21.31	228	16729m	0.09	ng	
26) Chrysene	21.38	228	20914m	0.11	ng	
27) Indeno(1,2,3-cd)pyrene	26.40	276	16147	0.10	ng	99
29) Benzo(b)fluoranthene	23.05	252	18202	0.10	ng	# 90
30) Benzo(k)fluoranthene	23.09	252	18688	0.11	ng	# 89
31) Benzo(a)pyrene	23.69	252	14114	0.09	ng	# 82
32) Dibenzo(a,h)anthracene	26.43	278	13247	0.11	ng	# 90
33) Benzo(g,h,i)perylene	27.20	276	14370	0.10	ng	97

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

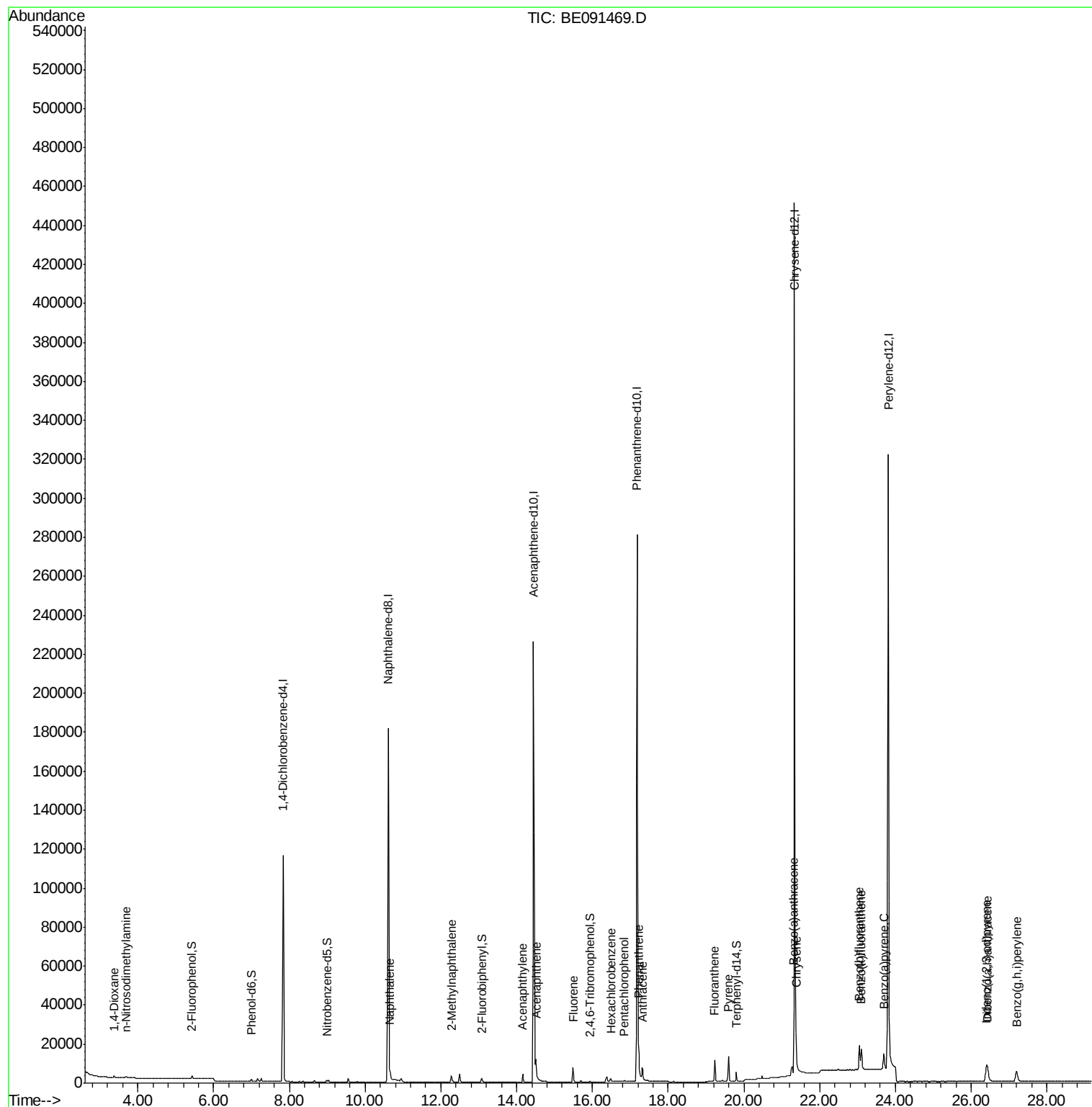
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

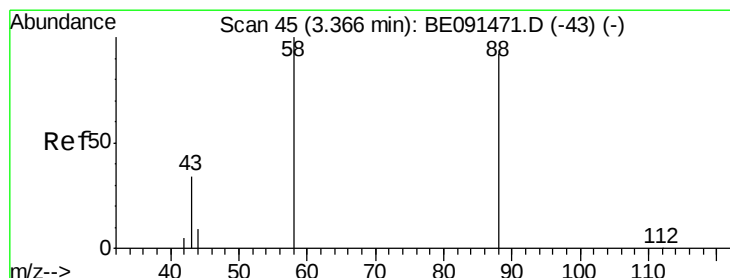
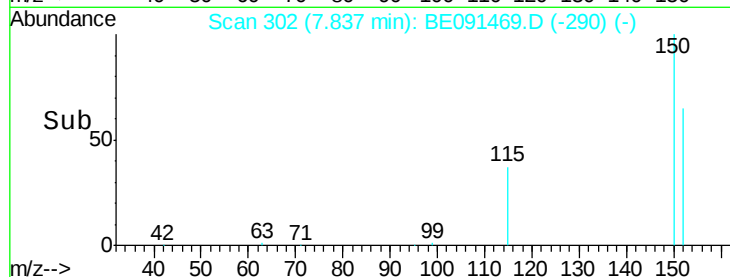
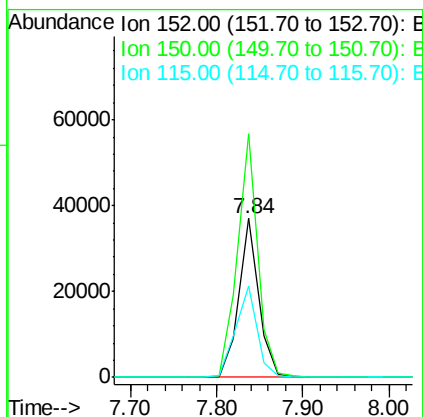
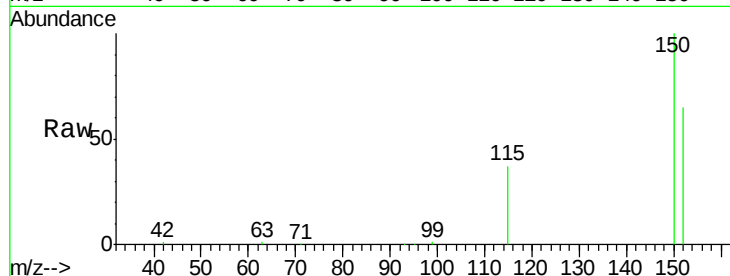
ClientSampleId :

SSTDICC0.1

Tgt Ion:	152	Resp:	58605
Ion Ratio	Lower	Upper	
152	100		
150	153.3	122.2	183.2
115	57.4	45.9	68.9

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#2

1,4-Dioxane

Concen: 0.15 ng

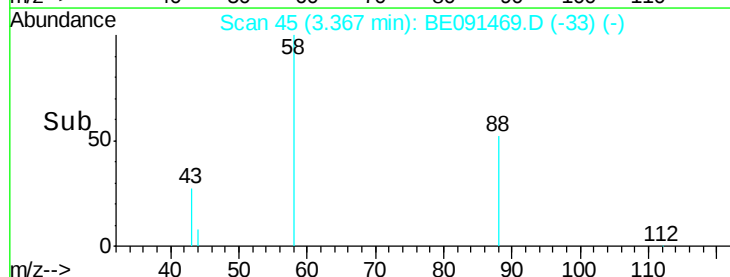
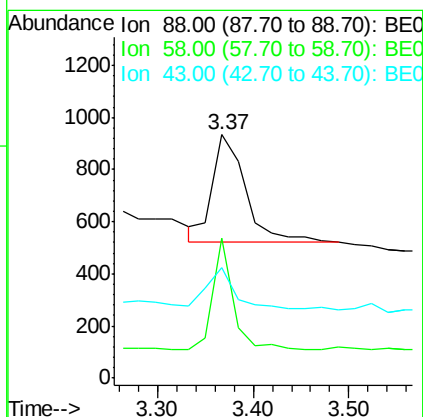
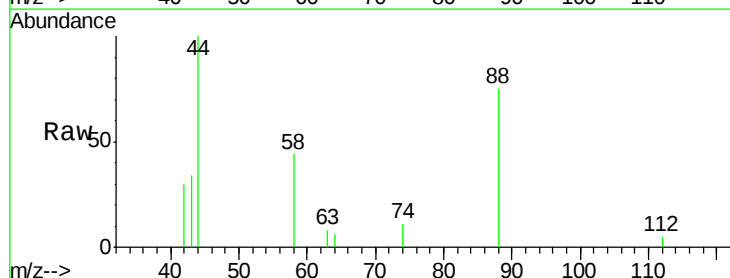
RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion:	88	Resp:	965
Ion Ratio	Lower	Upper	
88	100		
58	64.4	61.0	91.6
43	36.3	25.4	38.2





#3

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 3.68 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

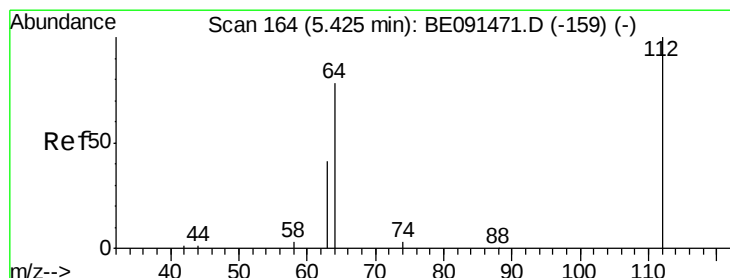
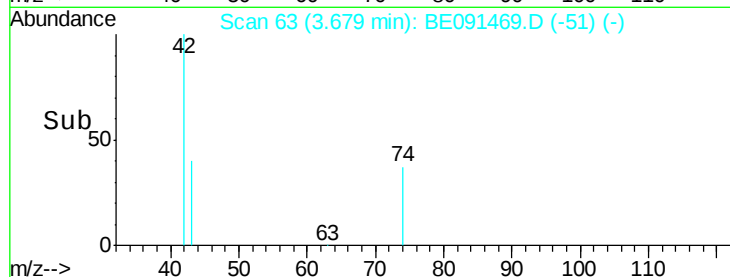
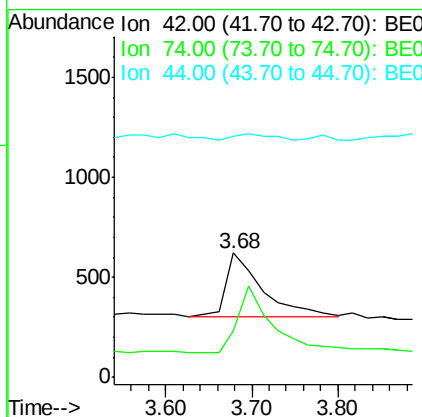
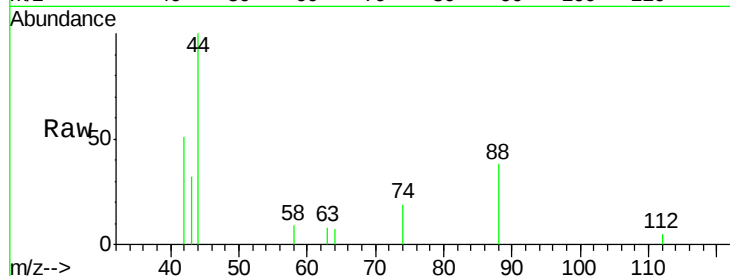
ClientSampleId :

SSTDICC0.1

Tgt Ion:	42	Resp:	912
Ion	Ratio	Lower	Upper
42	100		
74	103.5	84.3	126.5
44	10.7	6.7	10.1#

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#4

2-Fluorophenol

Concen: 0.13 ng

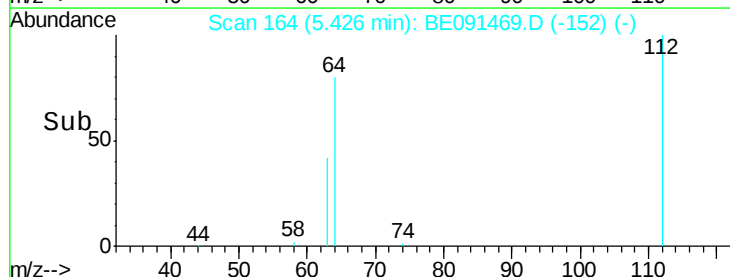
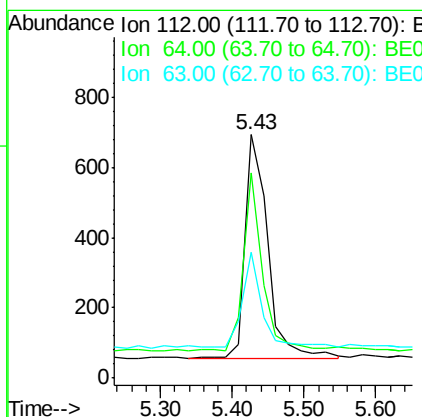
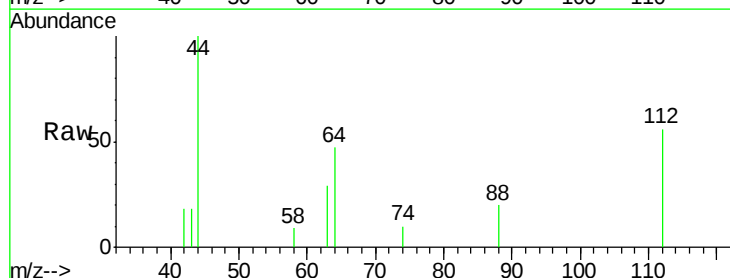
RT: 5.43 min Scan# 164

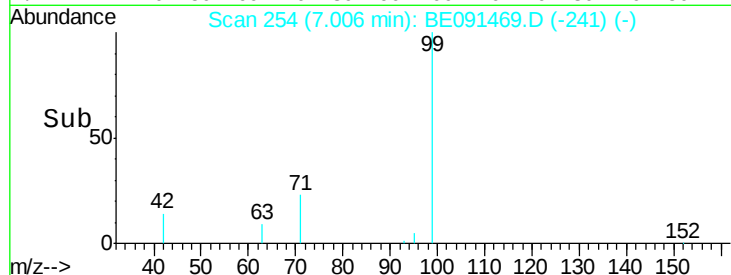
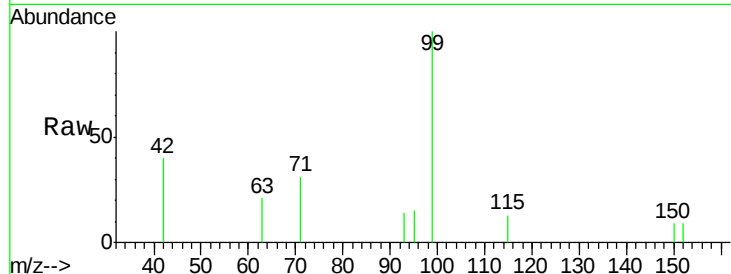
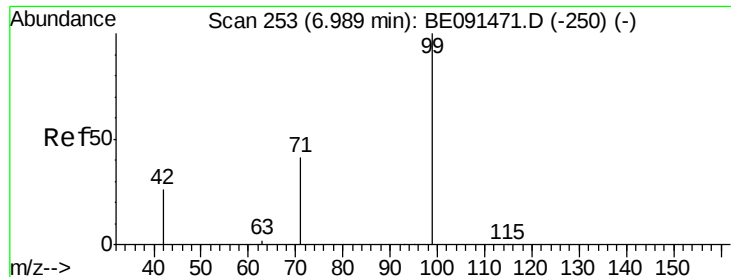
Delta R.T. 0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion:	112	Resp:	1384
Ion	Ratio	Lower	Upper
112	100		
64	68.8	53.3	79.9
63	36.8	29.8	44.8





#5

Phenol-d6

Concen: 0.13 ng

RT: 7.01 min Scan# 254

Delta R.T. 0.02 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

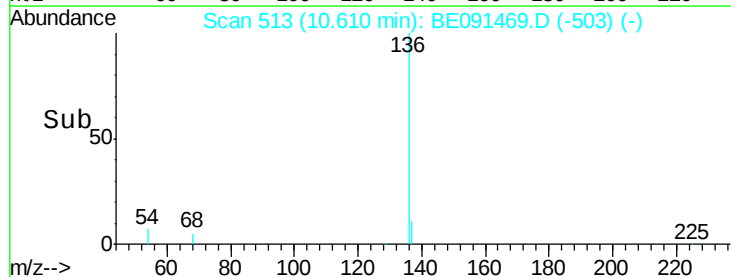
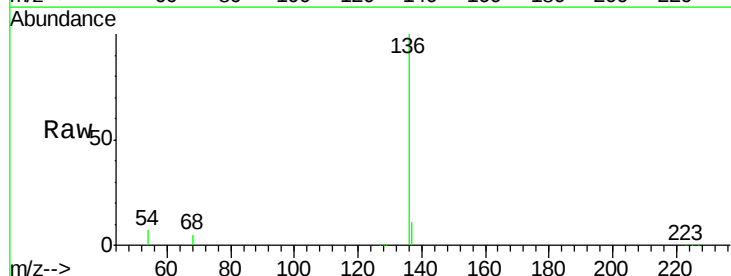
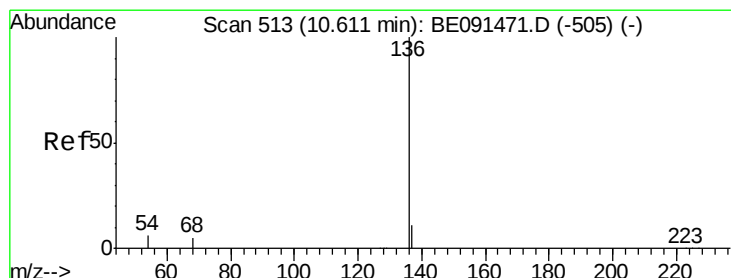
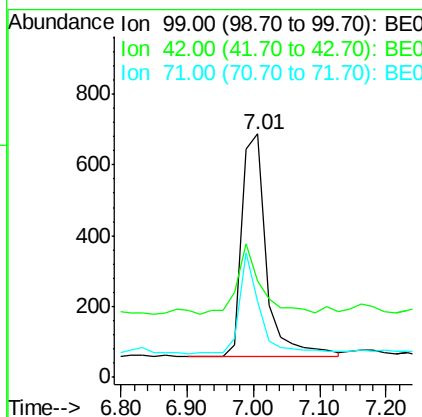
ClientSampleId :

SSTDIC0.1

Tgt Ion:	99	Resp:	1616
Ion Ratio	Lower	Upper	
99	100		
42	30.2	20.6	30.8
71	36.4	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

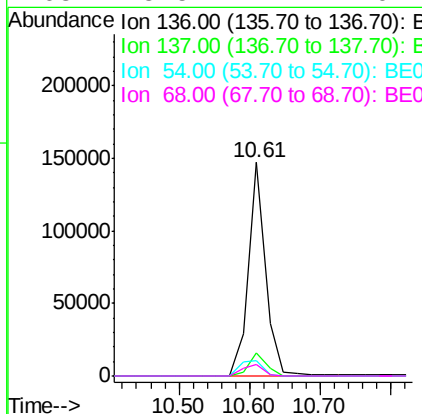
RT: 10.61 min Scan# 513

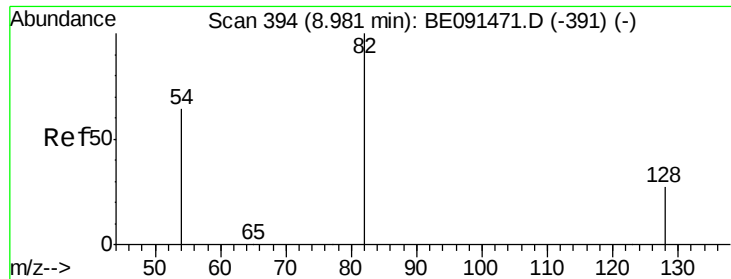
Delta R.T. -0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion:	136	Resp:	253033
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.1	5.2	7.8
68	5.5	4.1	6.1





#7

Nitrobenzene-d5

Concen: 0.10 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.01 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

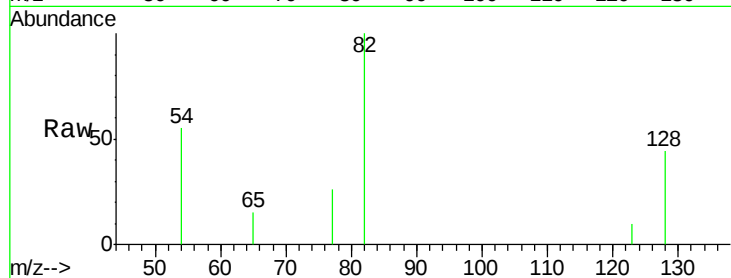
ClientSampleId :

SSTDIC0.1

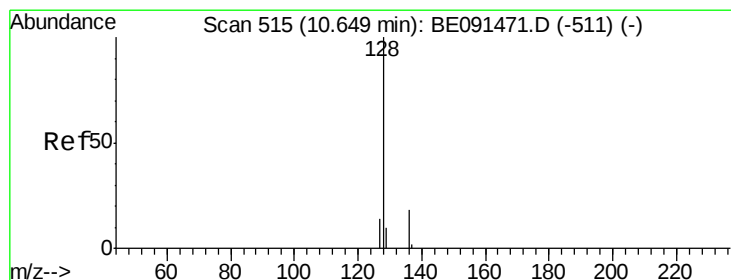
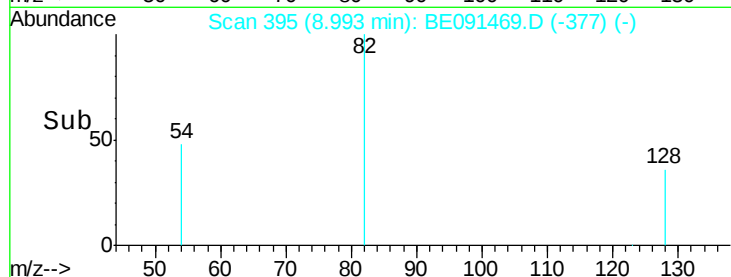
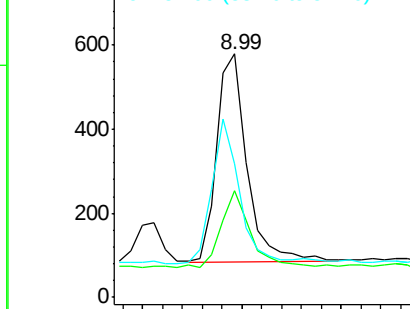
Tgt Ion:	82	Resp:	1045
Ion Ratio	Lower	Upper	
82	100		
128	44.0	23.5	35.3#
54	55.1	52.4	78.6

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#8

Naphthalene

Concen: 0.10 ng

RT: 10.65 min Scan# 515

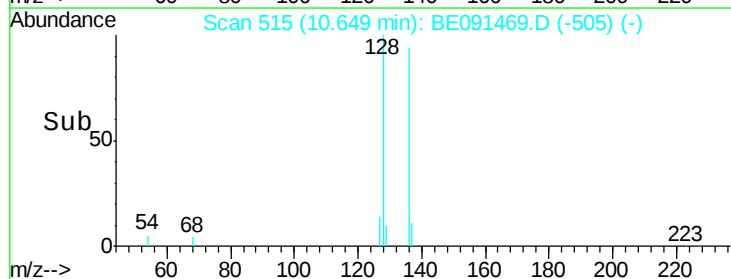
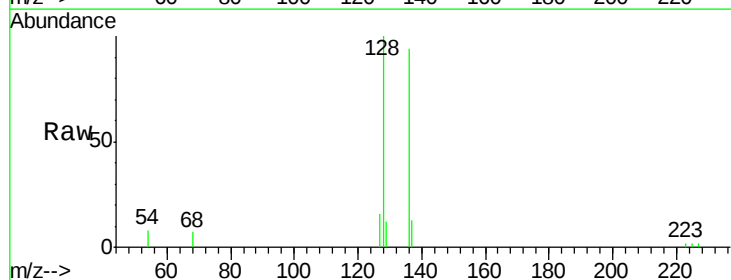
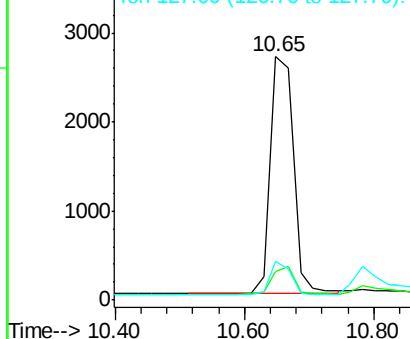
Delta R.T. -0.00 min

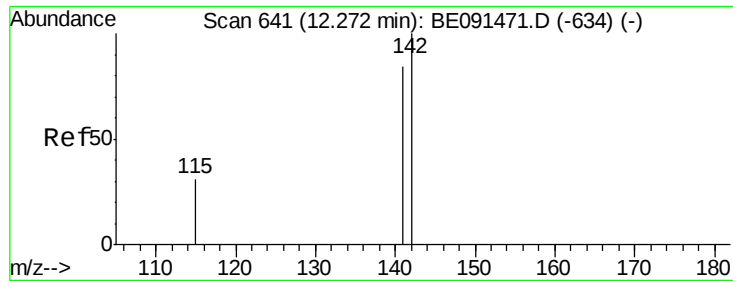
Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion:	128	Resp:	6617
Ion Ratio	Lower	Upper	
128	100		
129	11.8	8.2	12.2
127	16.2	11.8	17.8

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#9

2-Methylnaphthalene

Concen: 0.09 ng

RT: 12.27 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

ClientSampleId :

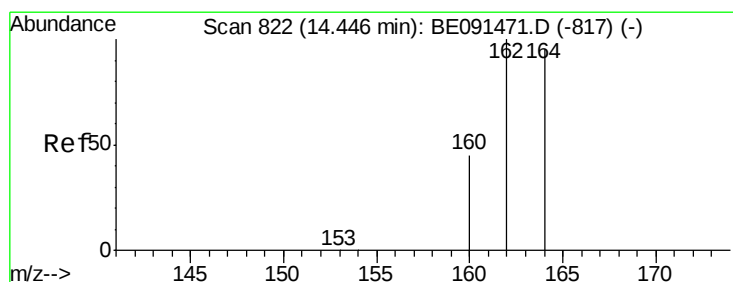
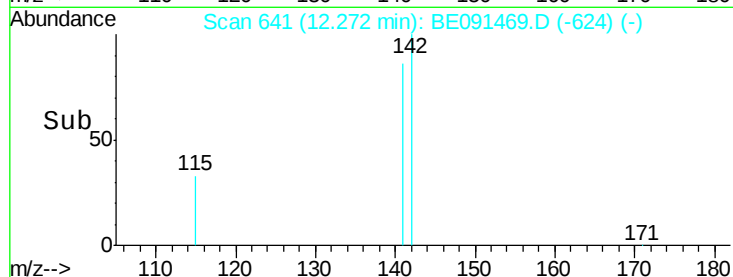
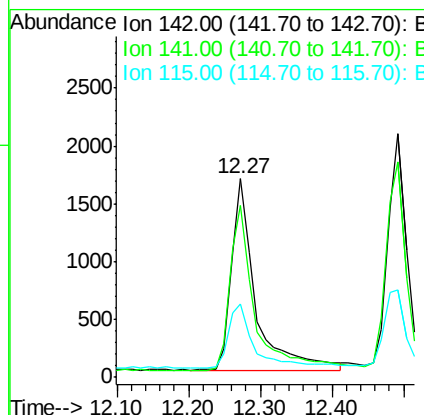
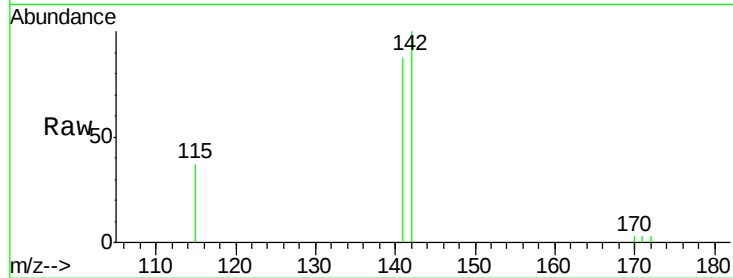
SSTDICC0.1

Tgt Ion:	142	Resp:	3856
Ion Ratio	Lower	Upper	
142	100		
141	86.6	66.9	100.3
115	37.0	25.1	37.7

Manual Integrations
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#10

Acenaphthene-d10

Concen: 5.00 ng

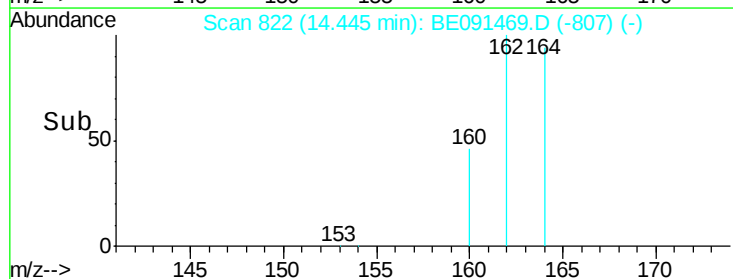
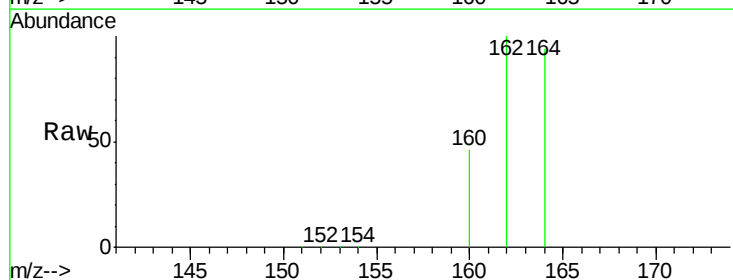
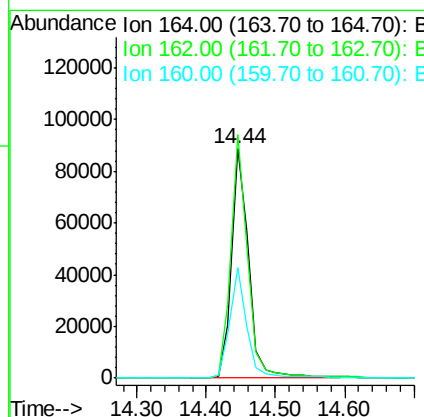
RT: 14.44 min Scan# 822

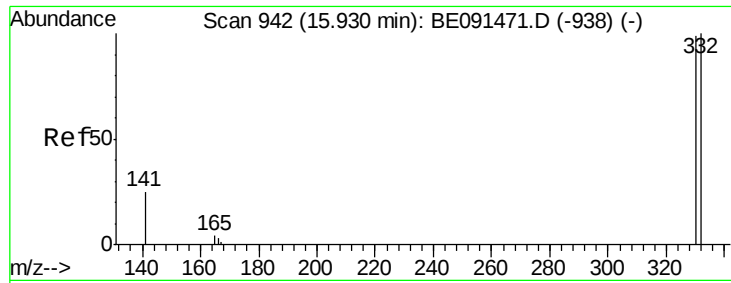
Delta R.T. -0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion:	164	Resp:	152243
Ion Ratio	Lower	Upper	
164	100		
162	106.2	84.4	126.6
160	48.4	37.7	56.5





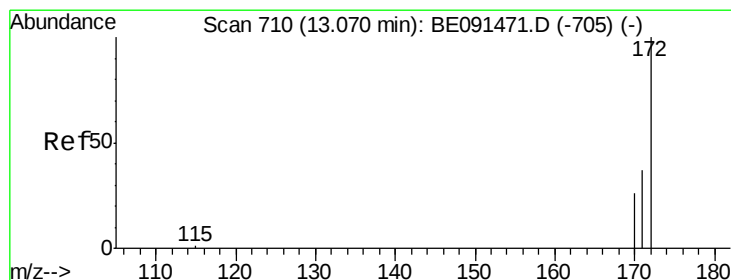
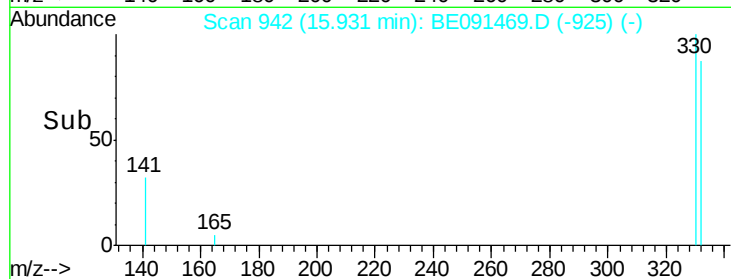
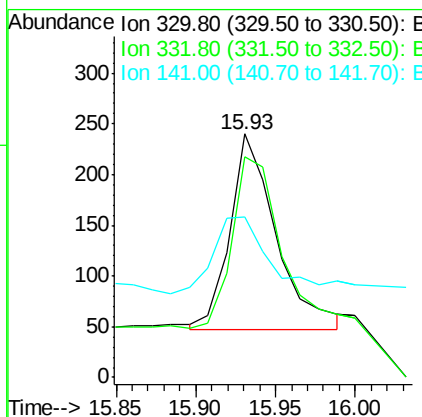
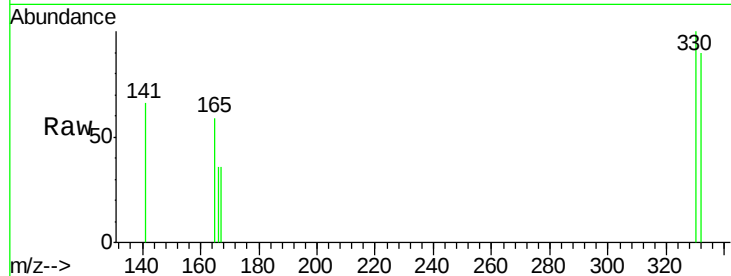
#11
 2,4,6-Tribromophenol
 Concen: 0.10 ng m
 RT: 15.93 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BE091469.D
 Acq: 17 Mar 2016 16:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	205.3	79.2	118.8#
141	58.6	28.1	42.1#

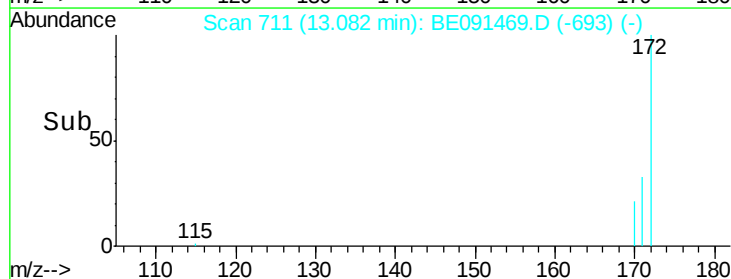
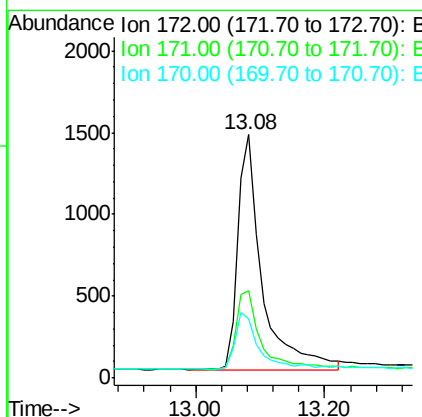
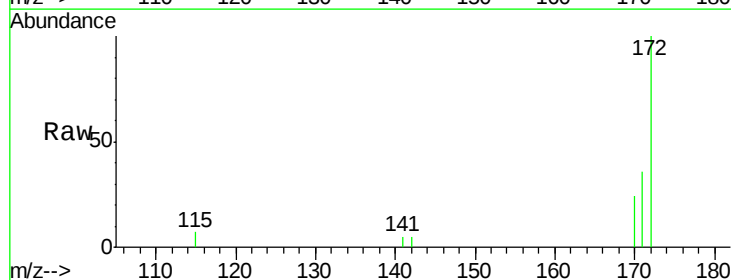
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#12
 2-Fluorobiphenyl
 Concen: 0.09 ng
 RT: 13.08 min Scan# 711
 Delta R.T. 0.01 min
 Lab File: BE091469.D
 Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.8	44.8
170	24.1	21.4	32.2





#13

Acenaphthylene

Concen: 0.08 ng

RT: 14.16 min Scan# 801

Delta R.T. -0.00 min

Lab File: BE091469.D

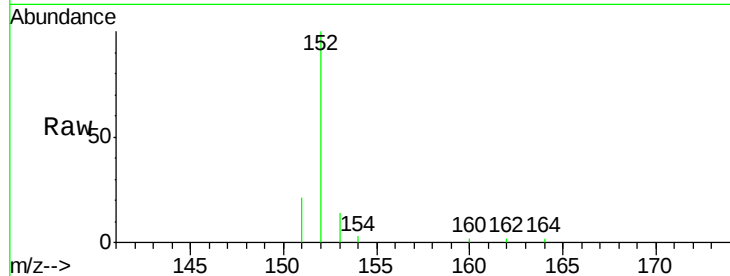
Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

ClientSampleId :

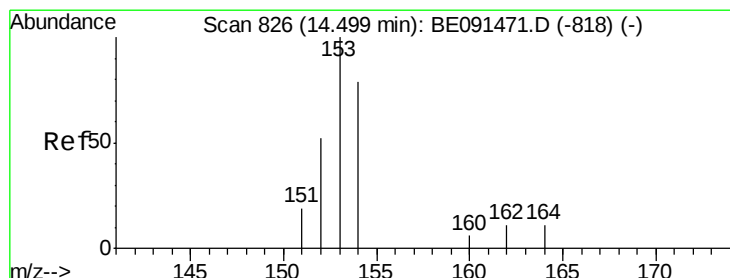
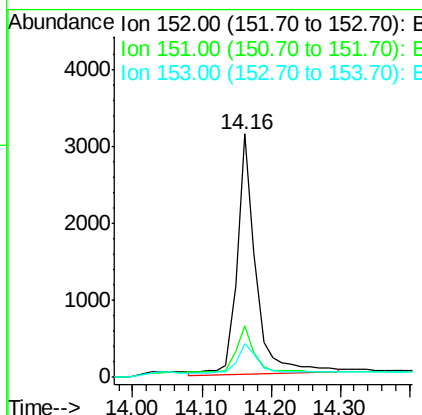
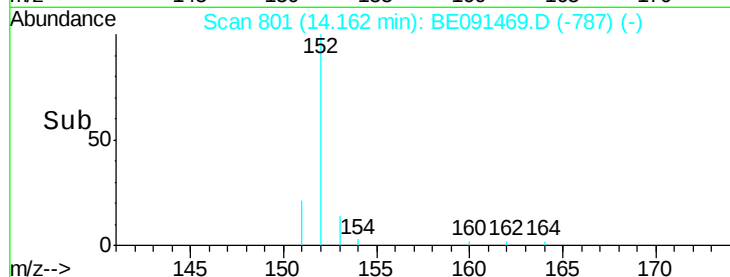
SSTDIC0.1



Tgt Ion	Ratio	Lower	Upper
152	100		
151	39.4	16.3	24.5#
153	16.1	11.1	16.7

Manual Integrations
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#14

Acenaphthene

Concen: 0.09 ng

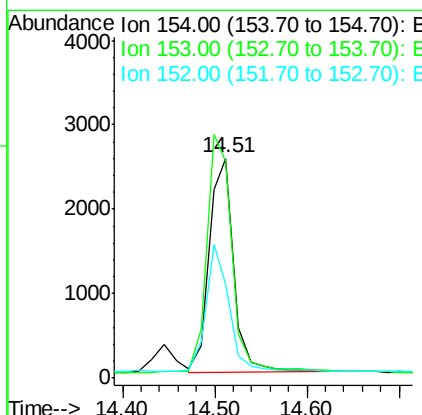
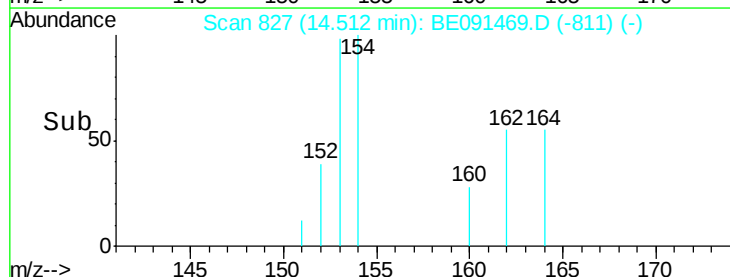
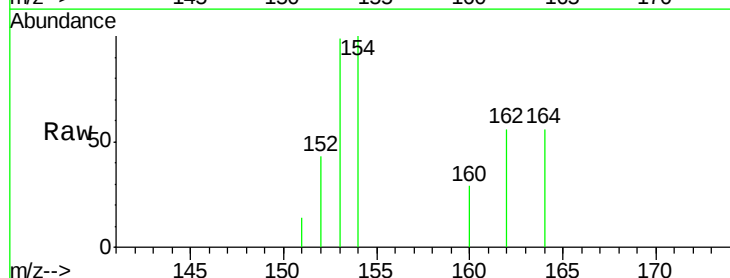
RT: 14.51 min Scan# 827

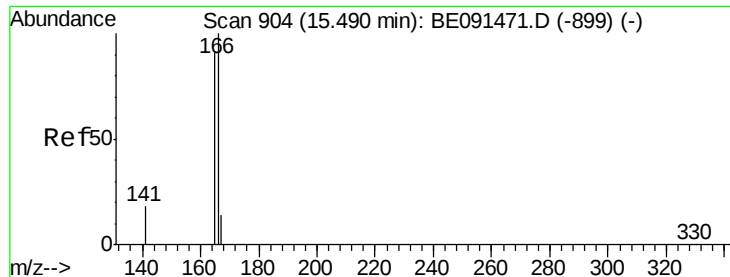
Delta R.T. 0.01 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.6	87.3	130.9
152	55.4	42.9	64.3





#15

Fluorene

Concen: 0.10 ng

RT: 15.49 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

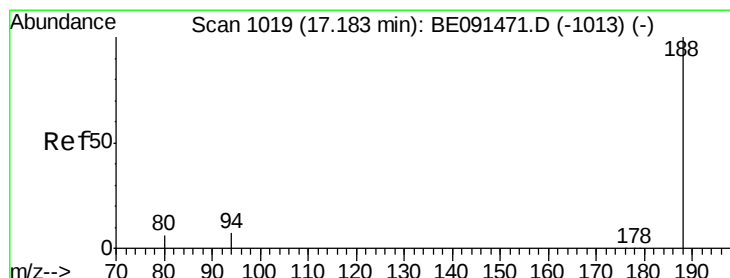
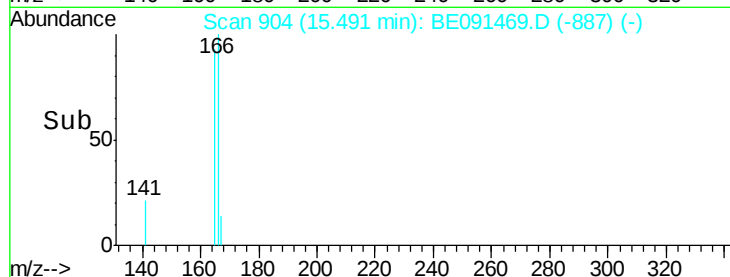
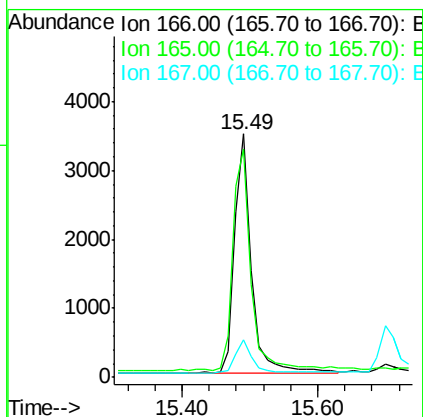
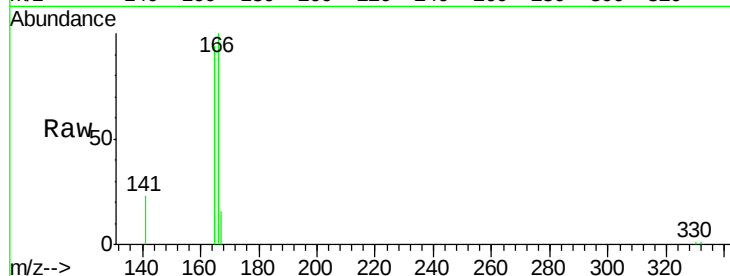
ClientSampleId :

SSTDICC0.1

Tgt Ion:	166	Resp:	6011
Ion Ratio	Lower	Upper	
166	100		
165	101.1	79.2	118.8
167	13.8	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

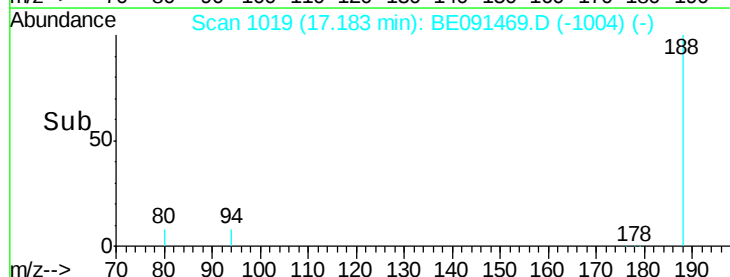
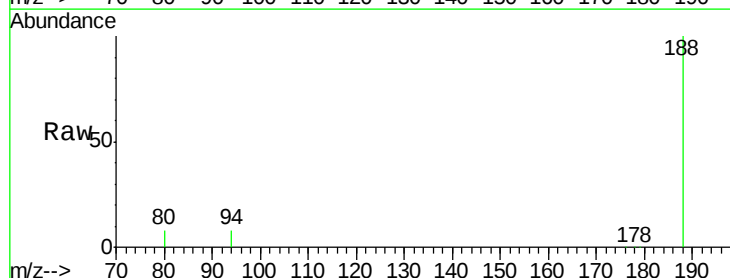
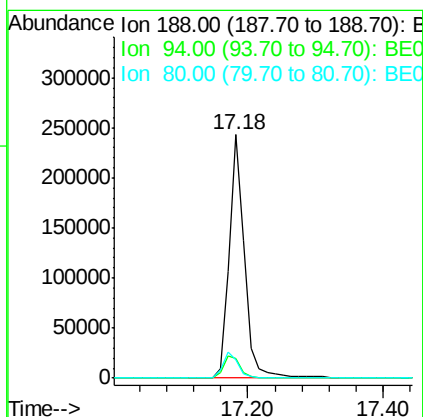
RT: 17.18 min Scan# 1019

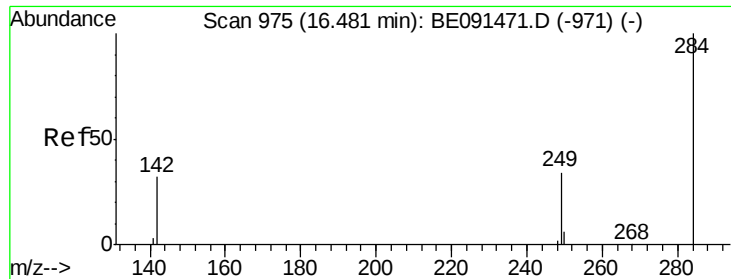
Delta R.T. -0.00 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion:	188	Resp:	387002
Ion Ratio	Lower	Upper	
188	100		
94	7.9	5.4	8.2
80	7.5	5.0	7.4#





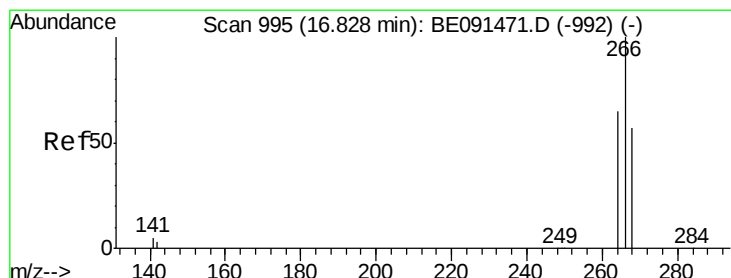
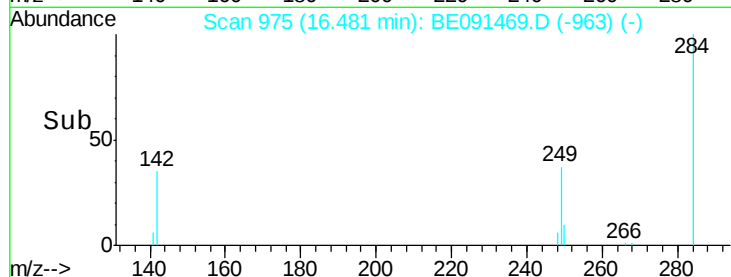
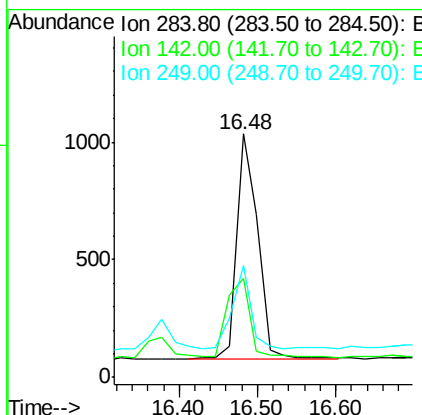
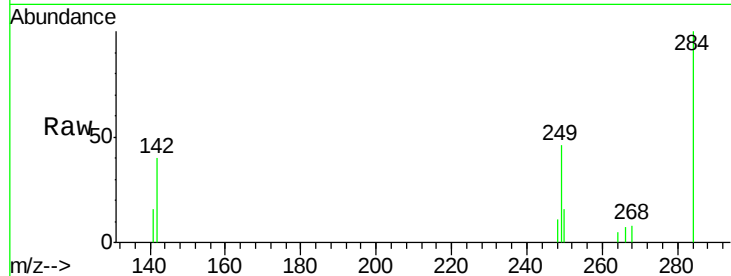
#17
Hexachlorobenzene
Concen: 0.07 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.4	31.0	46.4
249	32.1	25.8	38.8

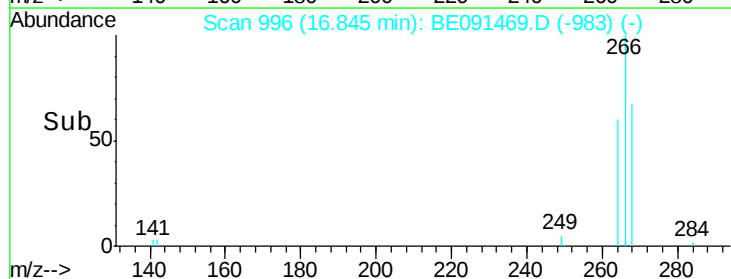
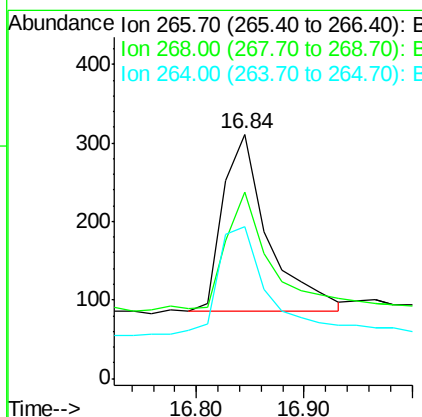
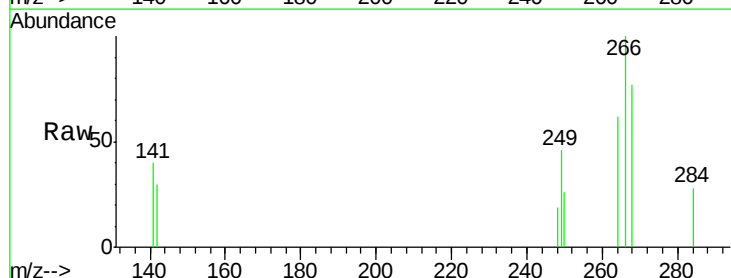
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#18
Pentachlorophenol
Concen: 0.28 ng
RT: 16.84 min Scan# 996
Delta R.T. 0.02 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
266	100		
268	76.5	48.2	72.2#
264	62.4	52.1	78.1





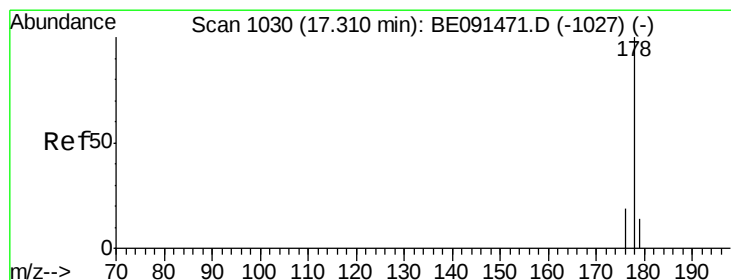
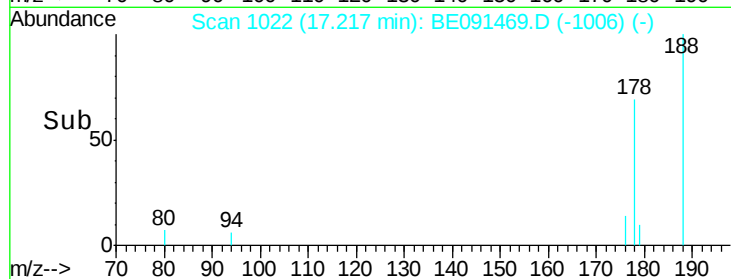
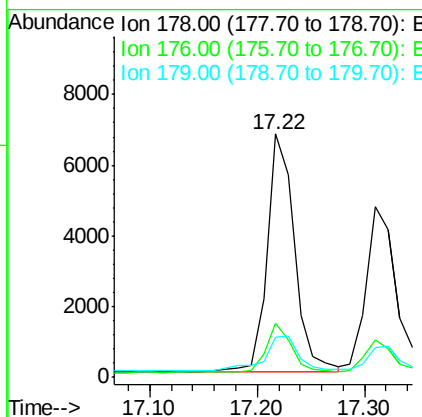
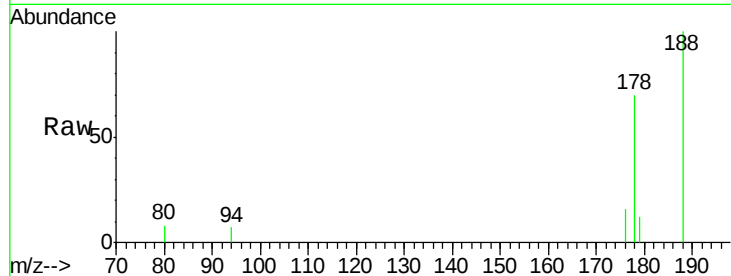
#19
Phenanthrene
Concen: 0.10 ng
RT: 17.22 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	18.4	13.1	19.7

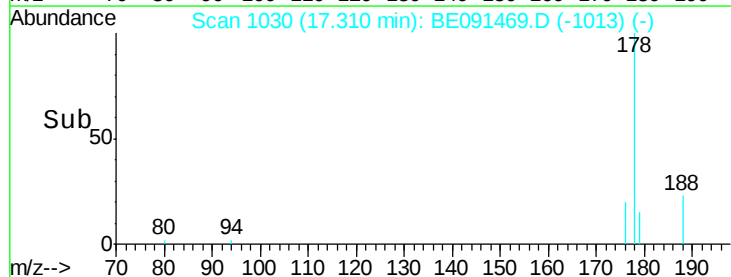
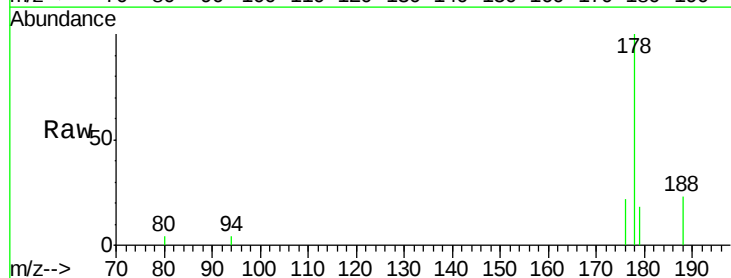
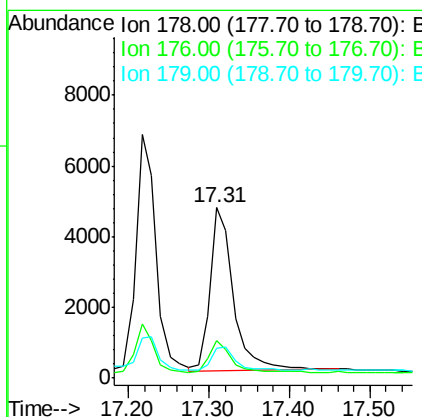
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#20
Anthracene
Concen: 0.09 ng
RT: 17.31 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	14.8	12.2	18.4





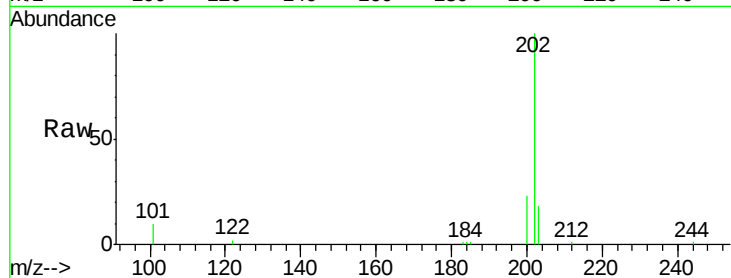
#21
Fluoranthene
Concen: 0.10 ng
RT: 19.23 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

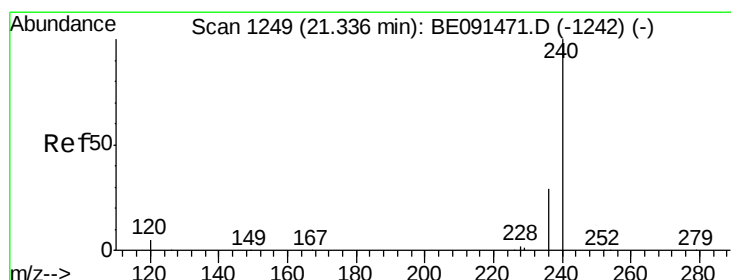
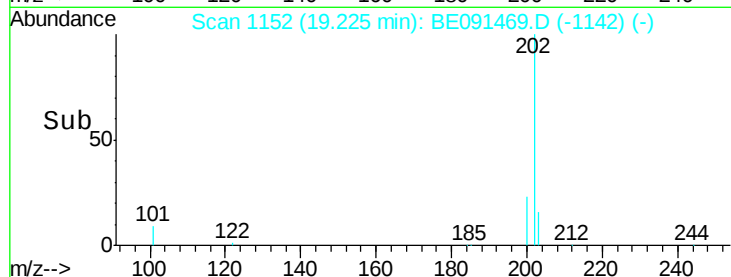
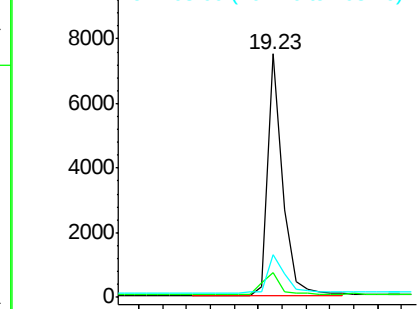
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.3	12.5
203	18.2	13.9	20.9

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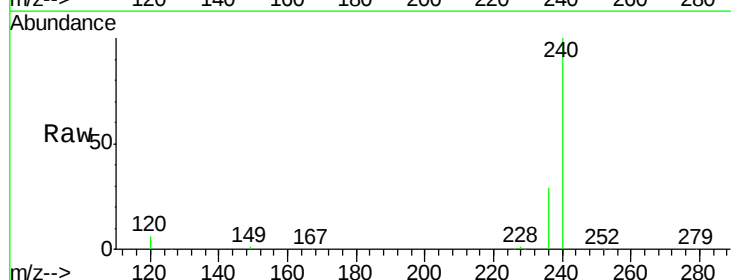


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

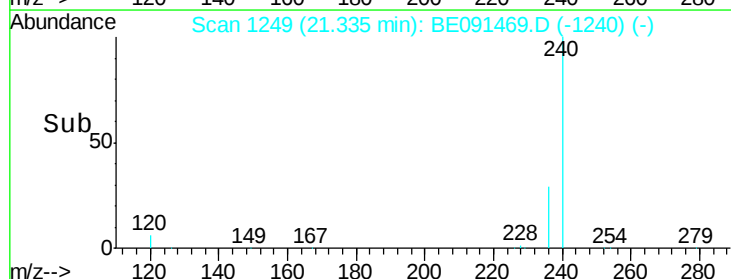
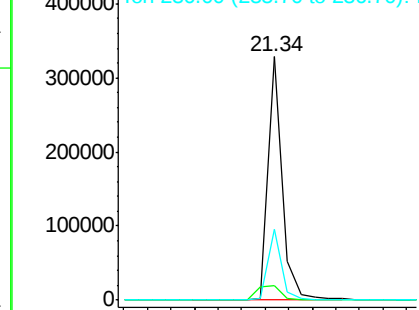


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.8	4.0	6.0
236	28.9	23.0	34.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





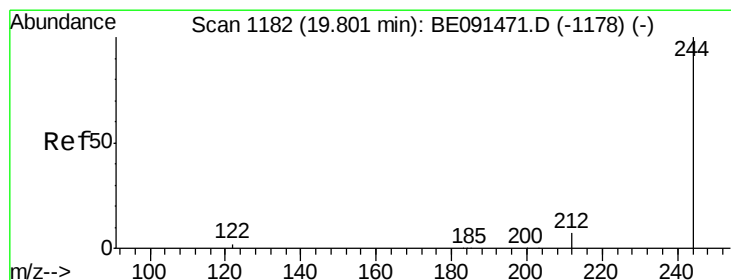
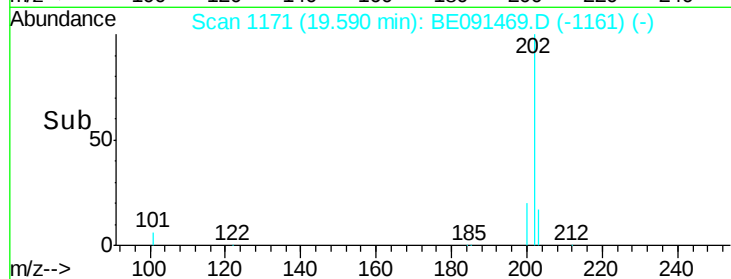
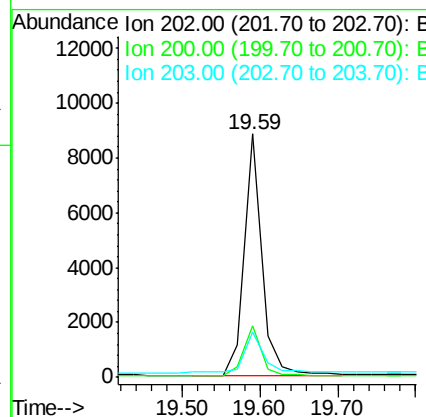
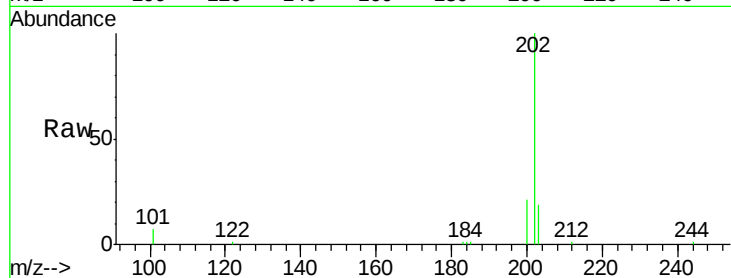
#23
Pyrene
Concen: 0.07 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion:	202	Resp:	13812
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.4	24.6
203	19.3	14.6	21.8

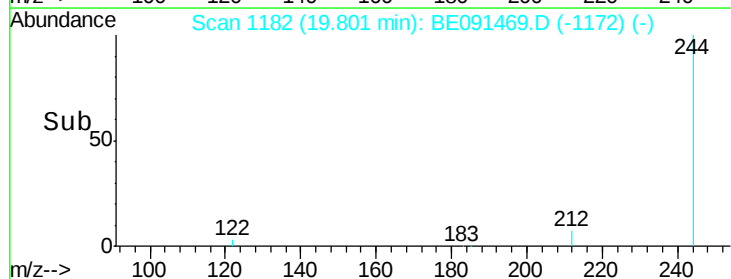
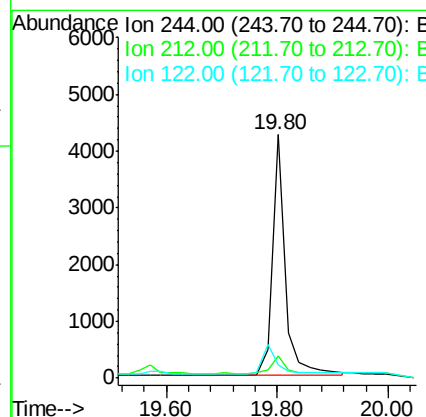
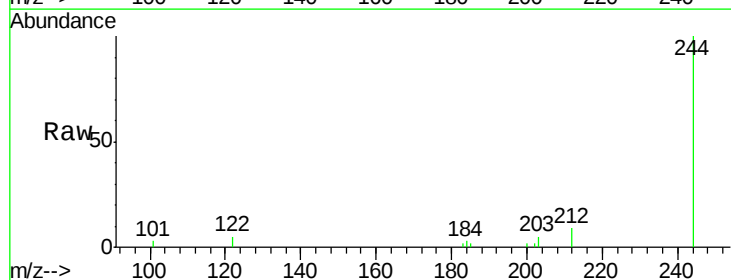
Manual Integrations
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#24
Terphenyl-d14
Concen: 0.10 ng
RT: 19.80 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Tgt Ion:	244	Resp:	6913
Ion Ratio	Lower	Upper	
244	100		
212	9.2	5.8	8.8#
122	5.2	1.8	2.8#





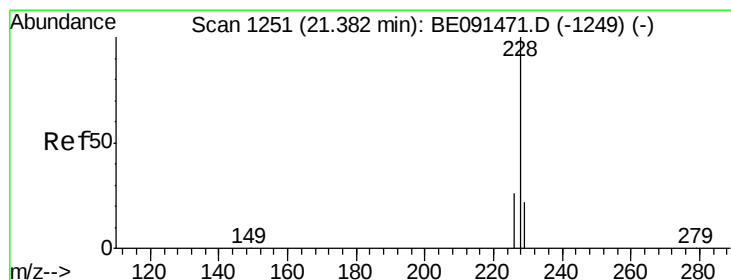
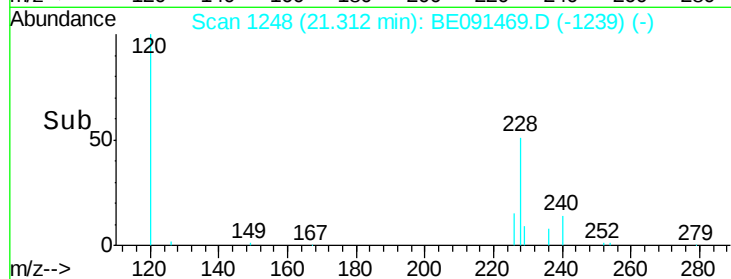
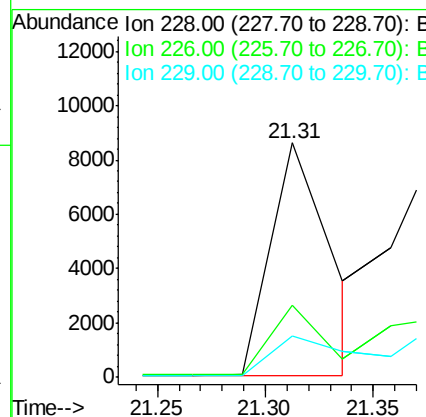
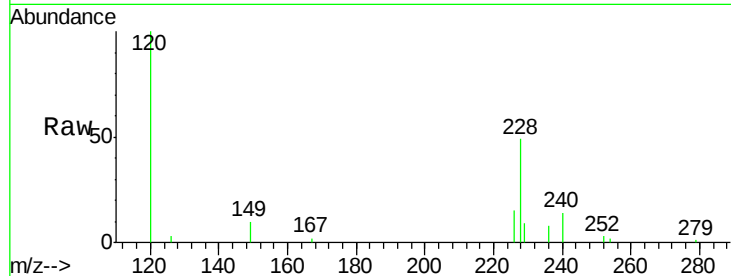
#25
Benzo(a)anthracene
Concen: 0.09 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	17.8	13.8	20.6

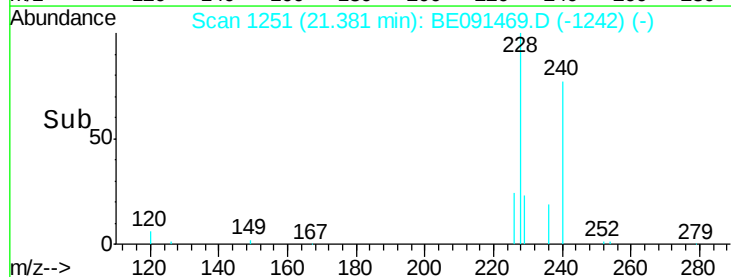
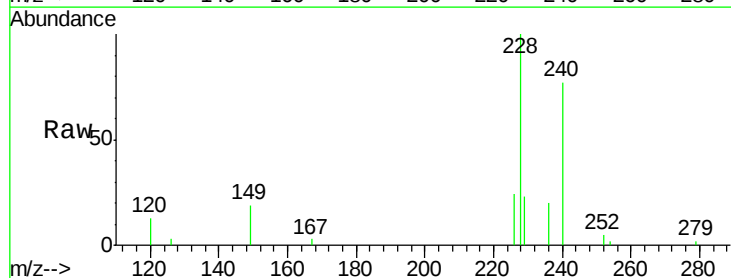
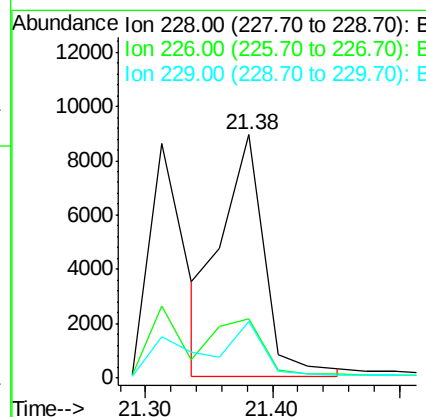
Manual Integrations
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#26
Chrysene
Concen: 0.11 ng m
RT: 21.38 min Scan# 1251
Delta R.T. -0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.5	18.9	28.3
229	23.3	19.1	28.7





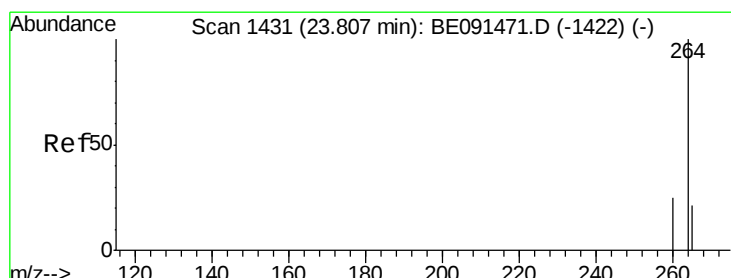
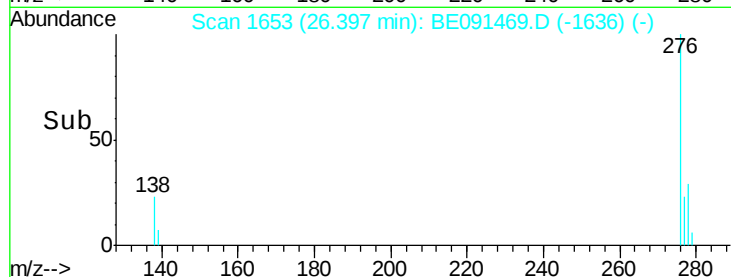
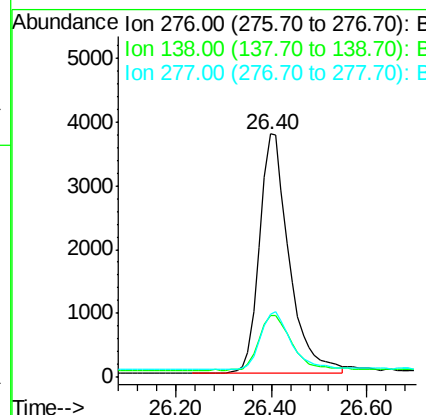
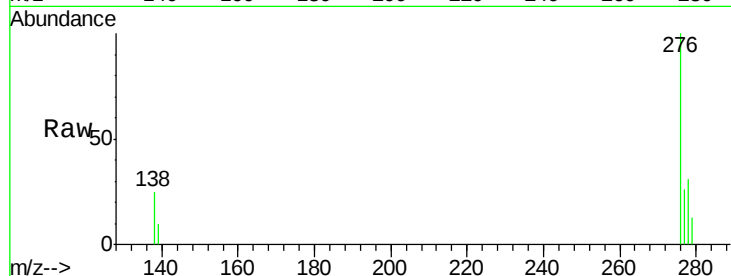
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.2	30.4
277	25.2	19.8	29.8

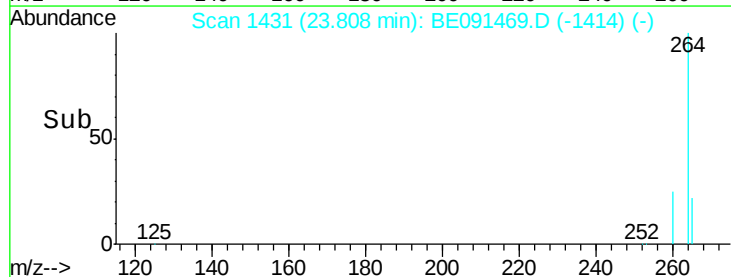
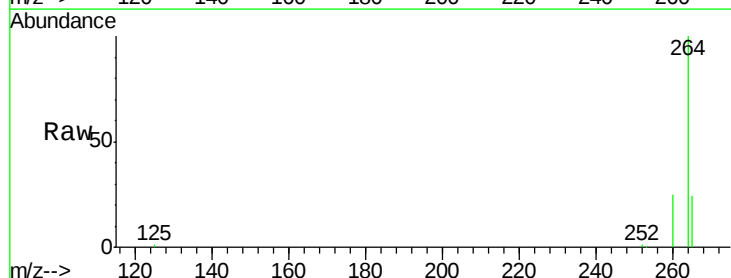
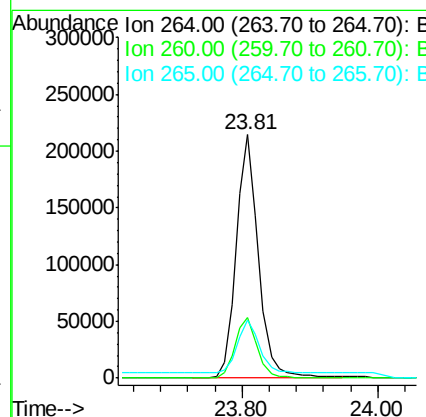
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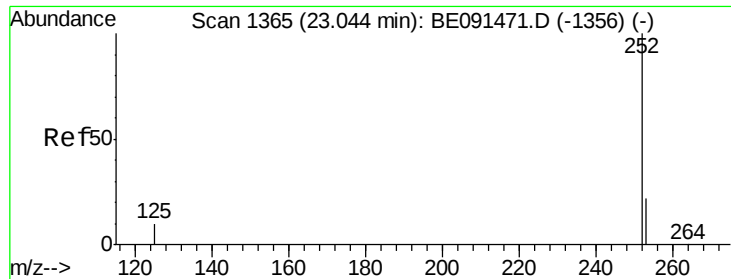
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	23.8	18.3	27.5





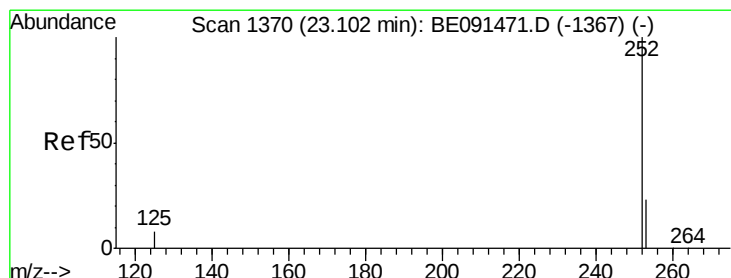
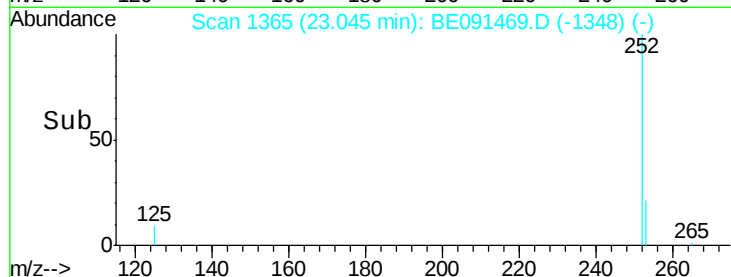
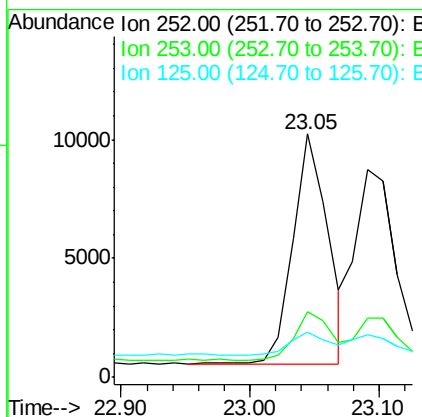
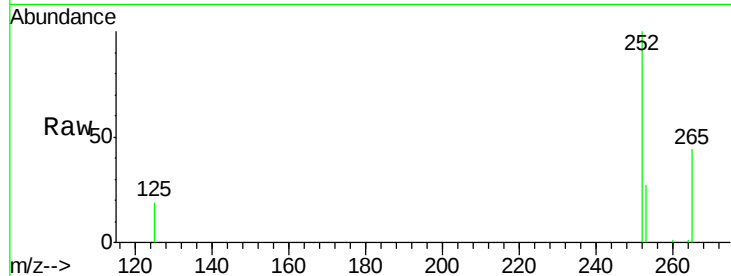
#29
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 23.05 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.7	28.1
125	18.6	9.8	14.6

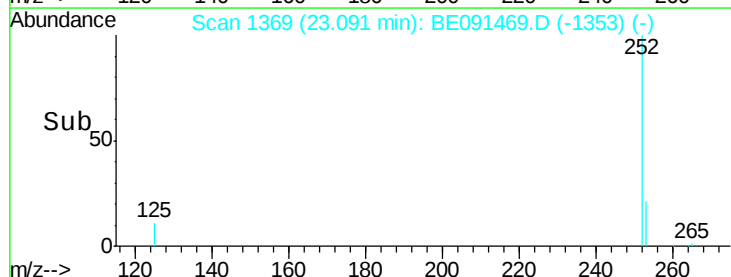
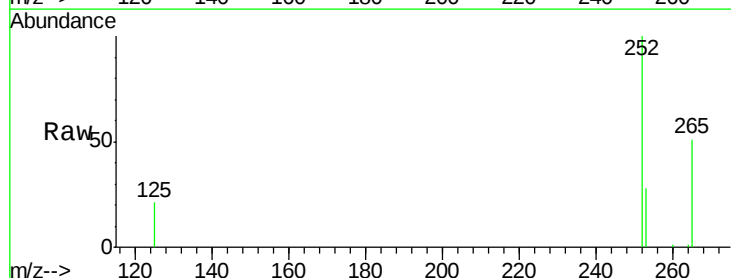
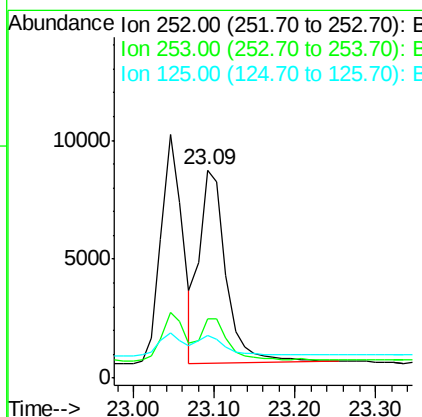
Manual Integrations
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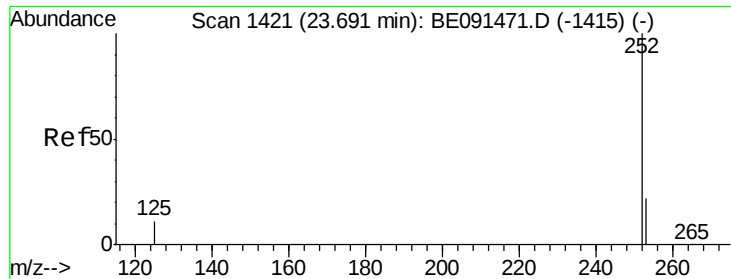
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#30
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE091469.D
Acq: 17 Mar 2016 16:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	20.2	30.4
125	20.7	9.4	14.2





#31

Benzo(a)pyrene

Concen: 0.09 ng

RT: 23.69 min Scan# 1421

Delta R.T. 0.00 min

Lab File: BE091469.D

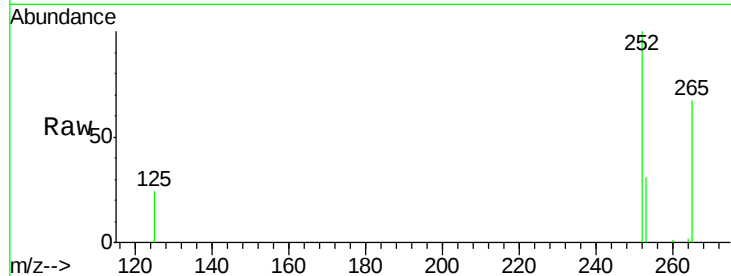
Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

ClientSampleId :

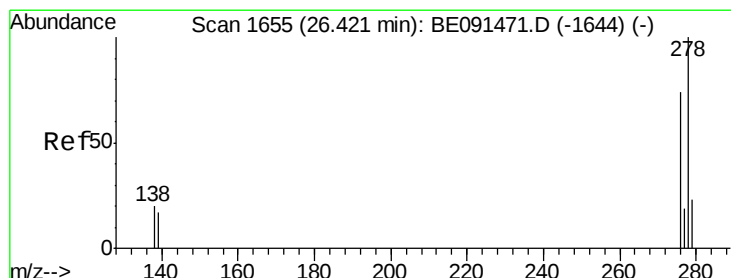
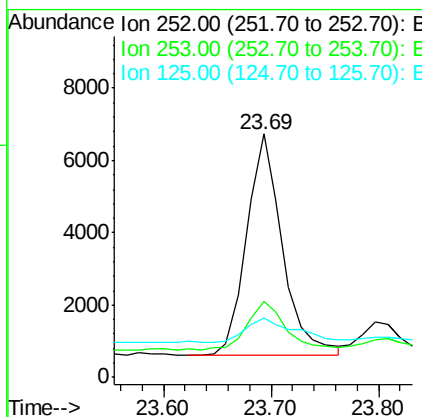
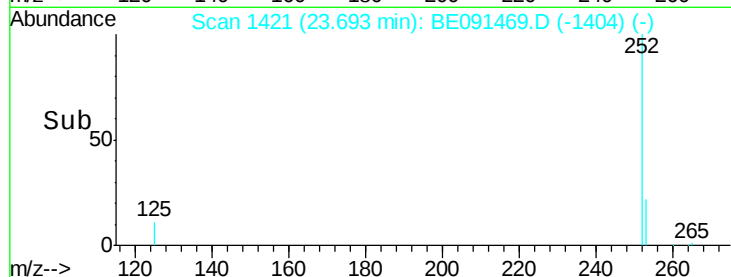
SSTDIC0.1



Tgt Ion:	252	Resp:	14114
Ion Ratio	Lower	Upper	
252	100		
253	31.2	19.4	29.0#
125	24.4	11.4	17.2#

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:42 PM



#32

Dibenzo(a,h)anthracene

Concen: 0.11 ng

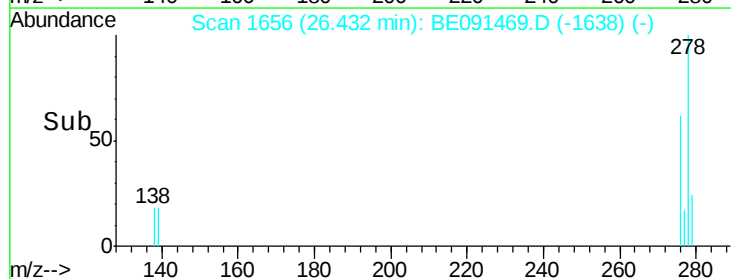
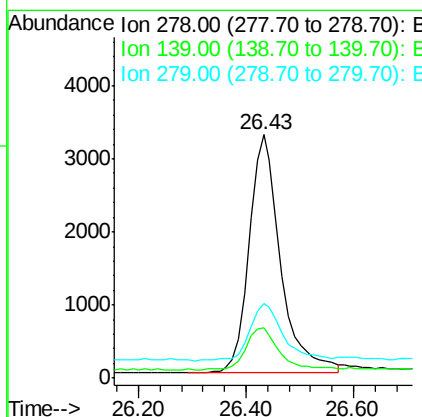
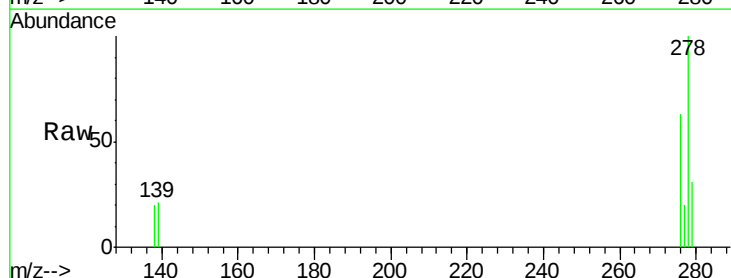
RT: 26.43 min Scan# 1656

Delta R.T. 0.01 min

Lab File: BE091469.D

Acq: 17 Mar 2016 16:39

Tgt Ion:	278	Resp:	13247
Ion Ratio	Lower	Upper	
278	100		
139	20.8	14.2	21.4
279	30.8	19.6	29.4#





#33

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 27.20 min Scan# 1722

Delta R.T. 0.01 min

Lab File: BE091469.D

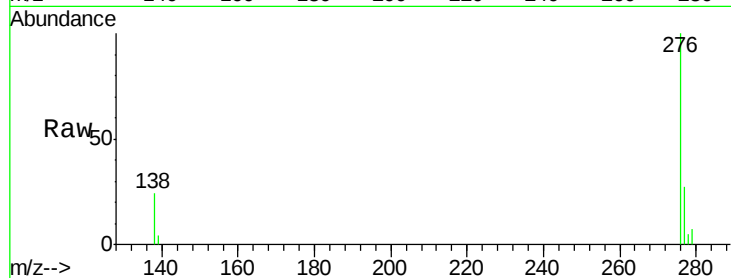
Acq: 17 Mar 2016 16:39

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1



Tgt Ion:	276	Resp:	14370
Ion Ratio	Lower	Upper	
276	100		
277	26.9	19.4	29.2
138	23.6	18.2	27.4

Manual Integrations
APPROVED

UMANGI
3/18/2016 6:10:42 PM

