

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
 Data File : BE091476.D
 Acq On : 17 Mar 2016 20:59
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
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Quant Time: Mar 18 14:16:57 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	58217	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	281606	5.00	ng	0.00
10) Acenaphthene-d10	14.45	164	165705	5.00	ng	0.00
16) Phenanthrene-d10	17.18	188	389139	5.00	ng	0.00
22) Chrysene-d12	21.34	240	554894	5.00	ng	0.00
28) Perylene-d12	23.81	264	468385	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	147018	13.98	ng	0.00
5) Phenol-d6	6.99	99	213444	17.13	ng	0.00
7) Nitrobenzene-d5	8.98	82	160685	13.33	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	62663m	14.20	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	436799	9.46	ng	0.00
24) Terphenyl-d14	19.80	244	642112	9.25	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	66861	10.12	ng	96
3) n-Nitrosodimethylamine	3.66	42	118670	23.78	ng	# 98
8) Naphthalene	10.65	128	683286	9.07	ng	99
9) 2-Methylnaphthalene	12.27	142	472277	9.95	ng	96
13) Acenaphthylene	14.16	152	850634	10.38	ng	99
14) Acenaphthene	14.50	154	533439	9.05	ng	99
15) Fluorene	15.49	166	655182	9.59	ng	99
17) Hexachlorobenzene	16.48	284	175979	7.11	ng	99
19) Phenanthrene	17.22	178	1096865	8.97	ng	99
20) Anthracene	17.31	178	1090780	10.08	ng	99
21) Fluoranthene	19.23	202	1338593	10.23	ng	99
23) Pyrene	19.59	202	1422675	6.93	ng	99
25) Benzo(a)anthracene	21.31	228	1476975m	8.04	ng	
27) Indeno(1,2,3-cd)pyrene	26.40	276	1651049	10.60	ng	99
29) Benzo(b)fluoranthene	23.04	252	1464547	8.63	ng	97
30) Benzo(k)fluoranthene	23.09	252	1495888	8.89	ng	94
31) Benzo(a)pyrene	23.69	252	1421172	9.91	ng	# 94
32) Dibenzo(a,h)anthracene	26.42	278	1384410	11.49	ng	98
33) Benzo(g,h,i)perylene	27.20	276	1399634	10.26	ng	97

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

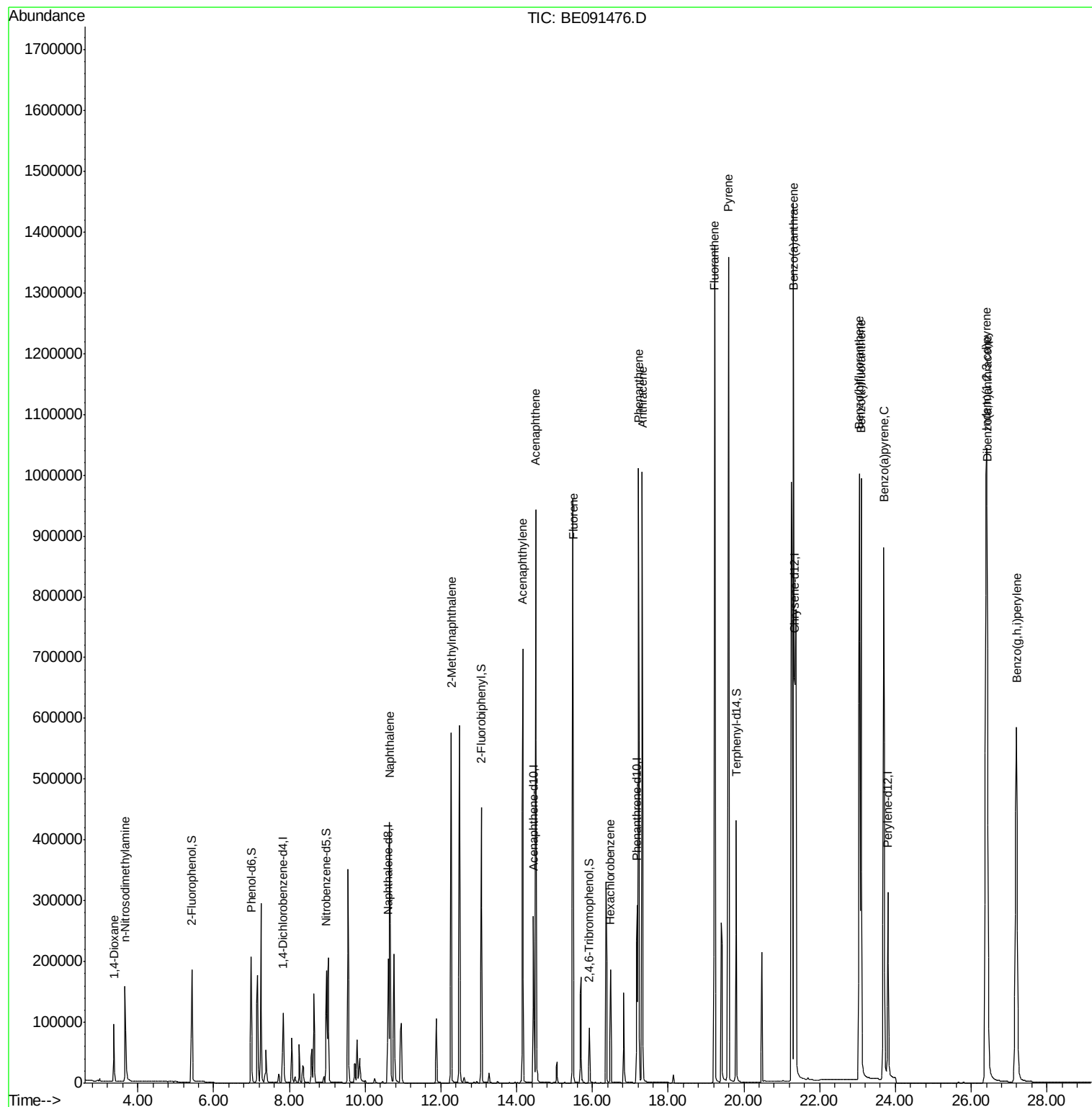
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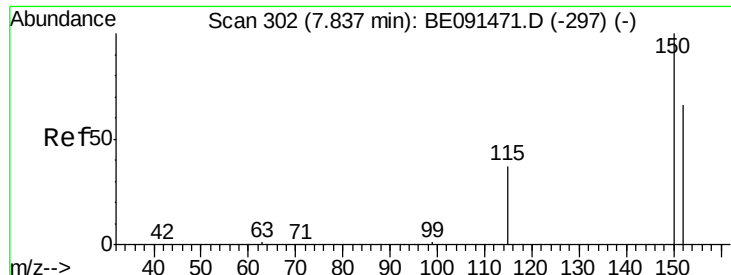
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091476.D

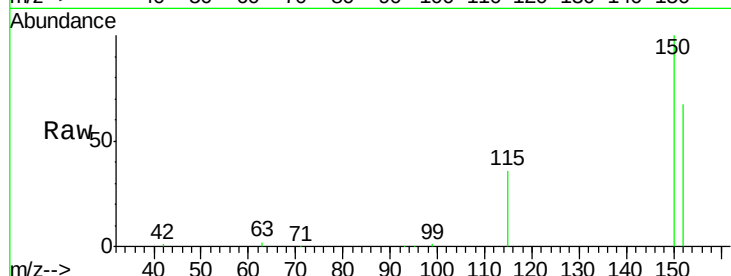
Acq: 17 Mar 2016 20:59

Instrument :

BNA_E

ClientSampleId :

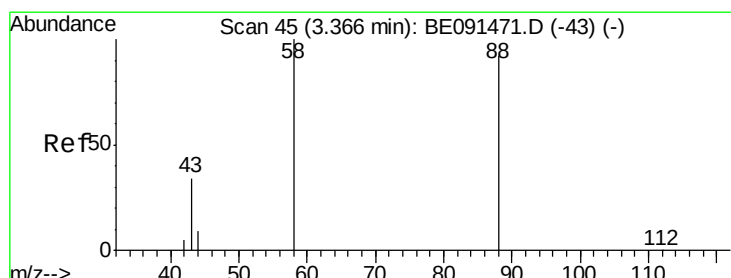
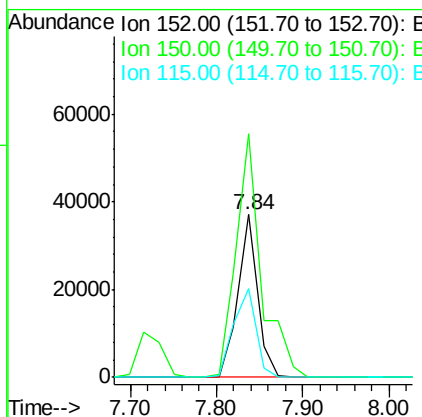
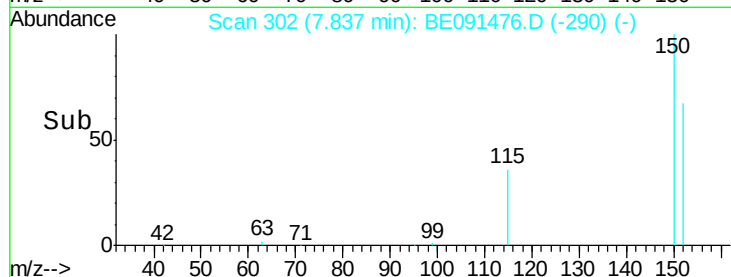
SSTDICC010



Tgt Ion:	152	Resp:	58217
Ion Ratio	Lower	Upper	
152	100		
150	149.4	122.2	183.2
115	54.5	45.9	68.9

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#2

1,4-Dioxane

Concen: 10.12 ng

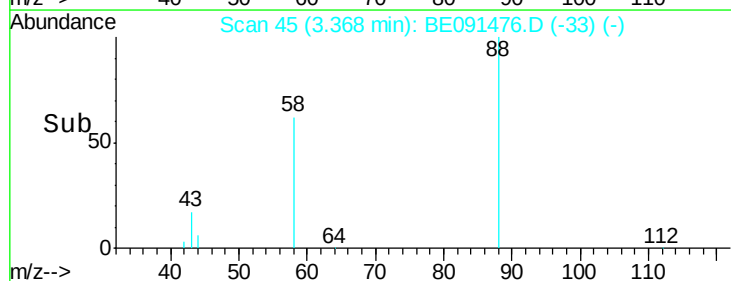
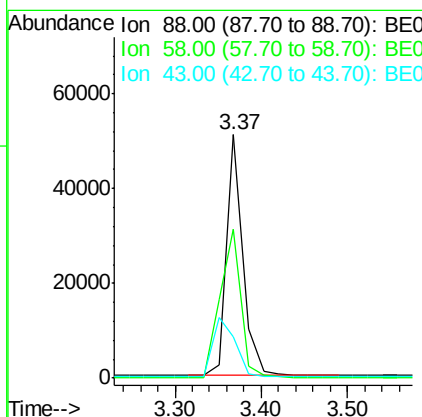
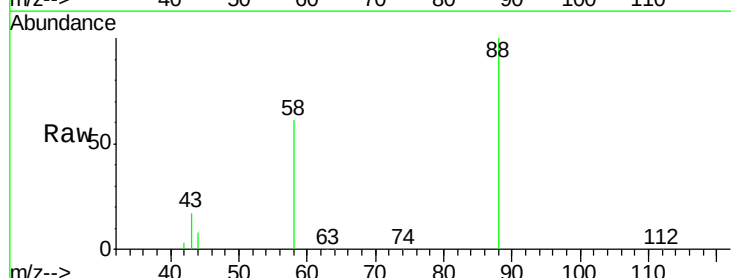
RT: 3.37 min Scan# 45

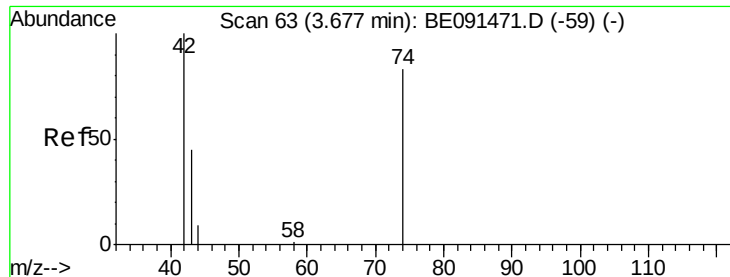
Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Tgt Ion:	88	Resp:	66861
Ion Ratio	Lower	Upper	
88	100		
58	79.6	61.0	91.6
43	34.1	25.4	38.2





#3

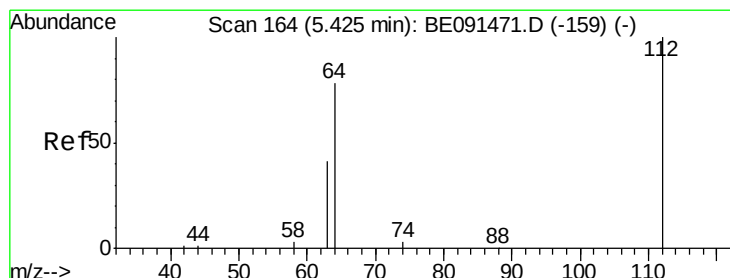
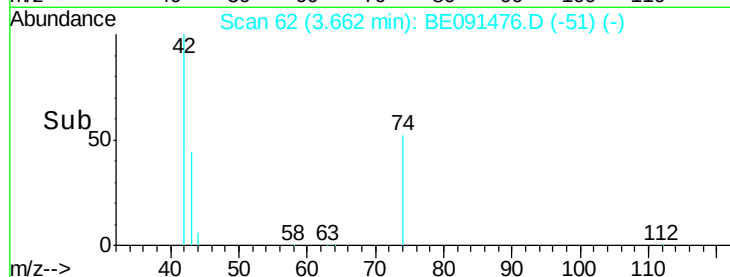
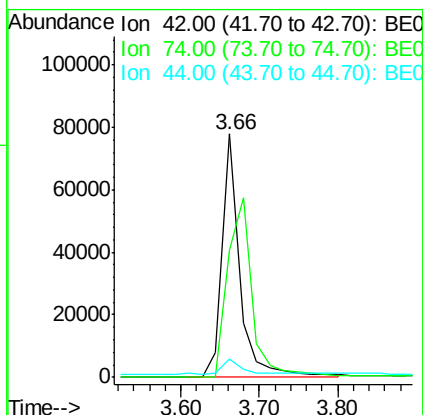
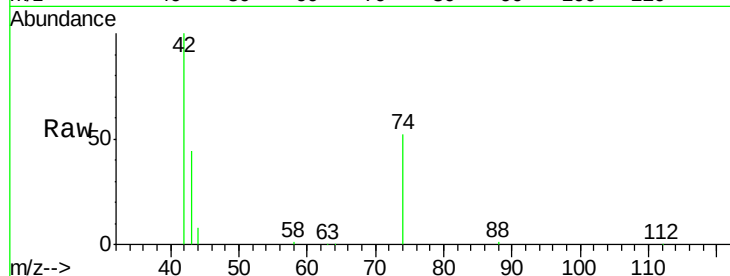
n-Nitrosodimethylamine
Concen: 23.78 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.02 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
42	100		
74	104.1	84.3	126.5
44	6.4	6.7	10.1

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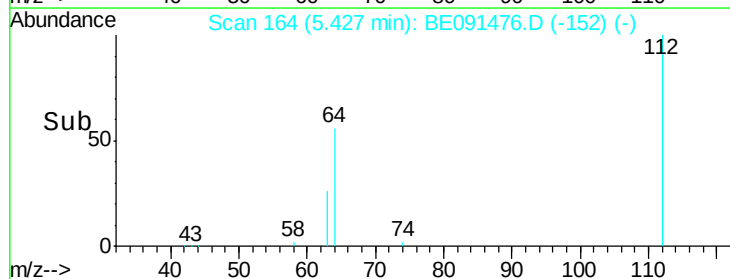
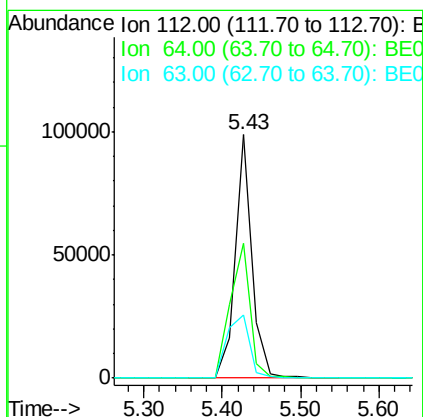
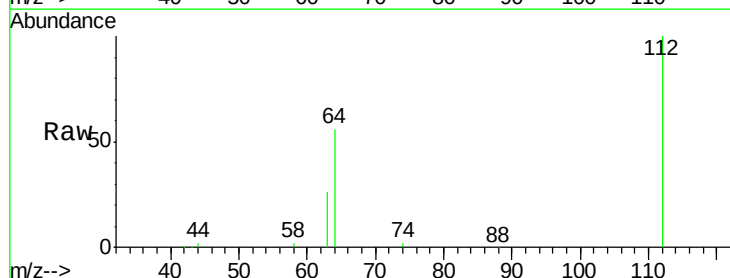
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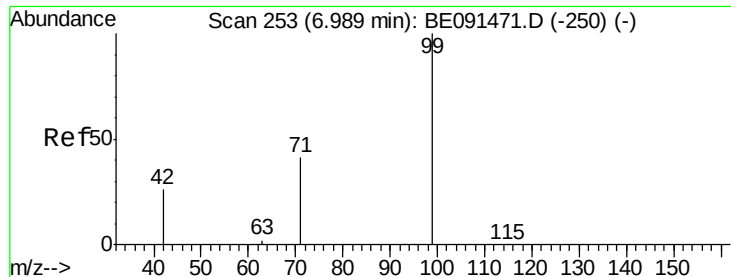


#4

2-Fluorophenol
Concen: 13.98 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.3	79.9
63	35.2	29.8	44.8





#5

Phenol-d6

Concen: 17.13 ng

RT: 6.99 min Scan# 253

Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Instrument :

BNA_E

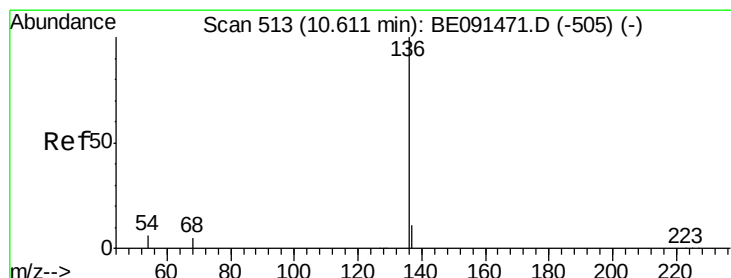
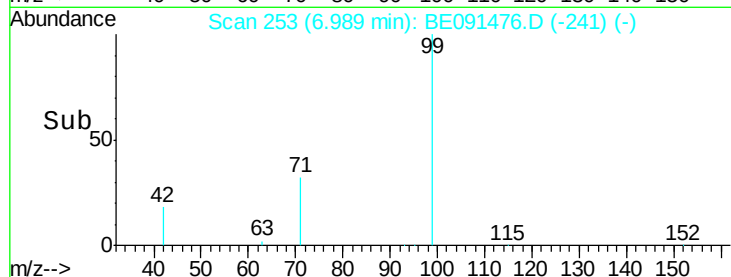
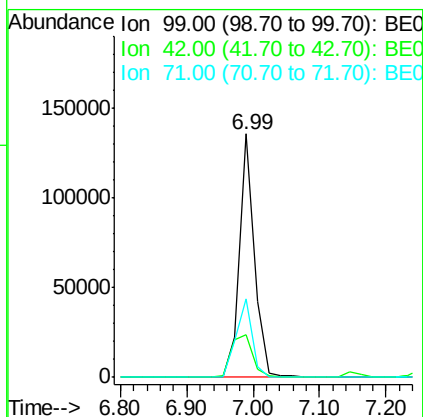
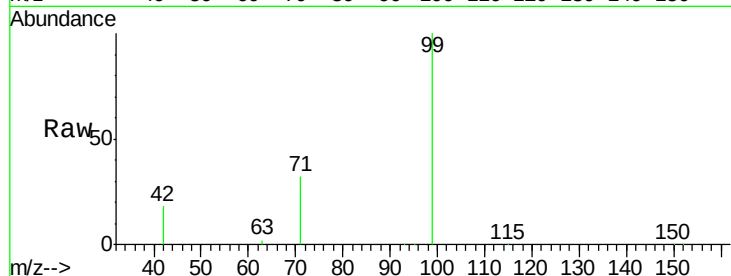
ClientSampleId :

SSTDIC010

Tgt Ion:	99	Resp:	213444
Ion Ratio	Lower	Upper	
99	100		
42	24.8	20.6	30.8
71	35.0	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

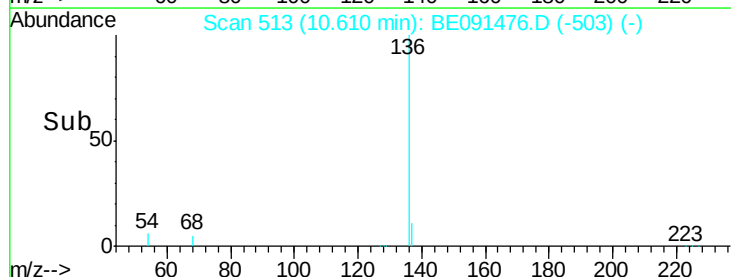
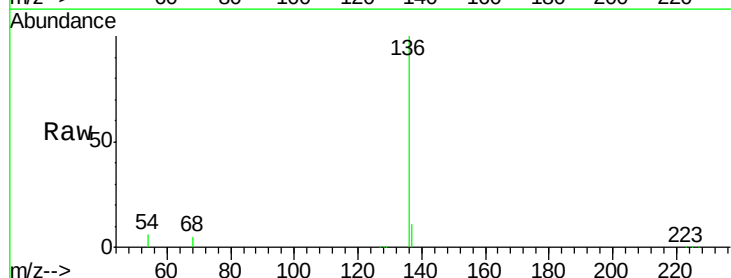
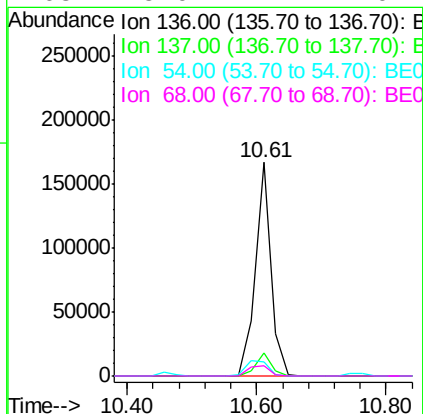
RT: 10.61 min Scan# 513

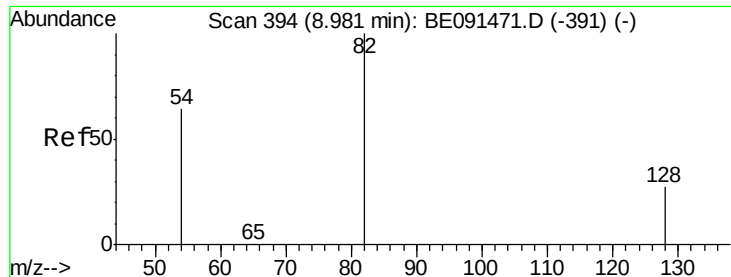
Delta R.T. -0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Tgt Ion:	136	Resp:	281606
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	6.4	5.2	7.8
68	5.0	4.1	6.1





#7

Nitrobenzene-d5

Concen: 13.33 ng

RT: 8.98 min Scan# 394

Delta R.T. 0.00 min

Lab File: BE091476.D

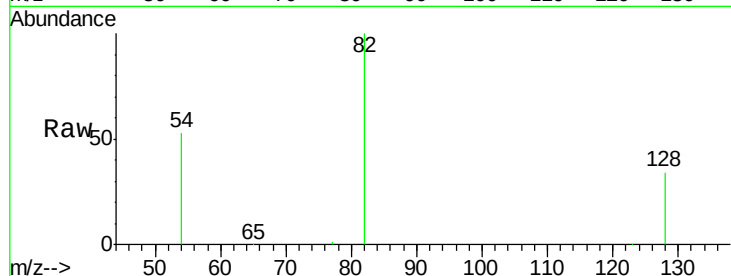
Acq: 17 Mar 2016 20:59

Instrument :

BNA_E

ClientSampleId :

SSTDIC010



Tgt Ion: 82 Resp: 160685

Ion Ratio Lower Upper

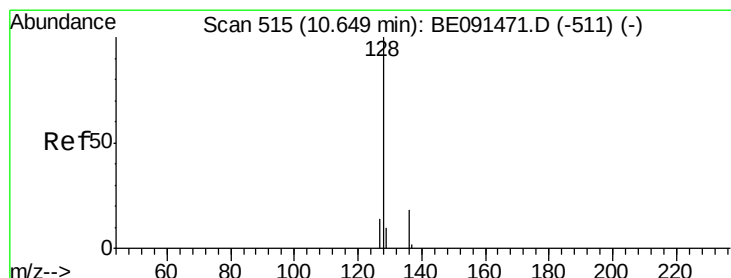
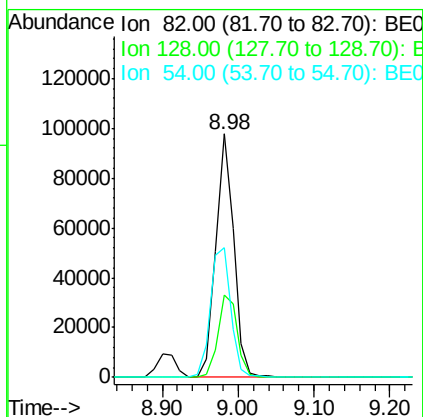
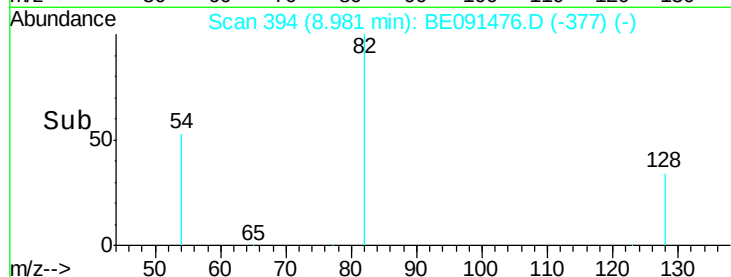
82 100

128 34.0 23.5 35.3

54 53.5 52.4 78.6

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#8

Naphthalene

Concen: 9.07 ng

RT: 10.65 min Scan# 515

Delta R.T. -0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

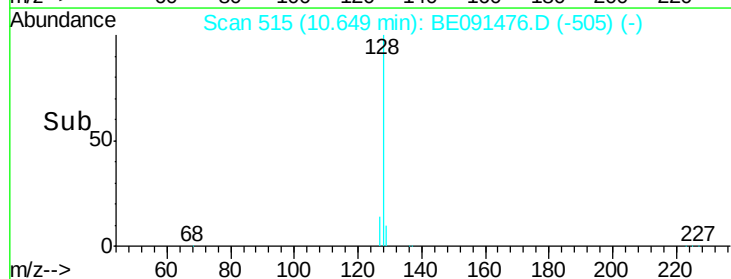
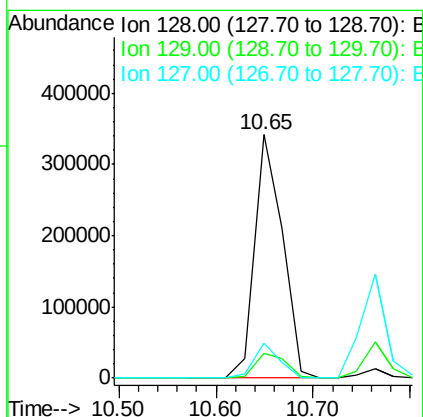
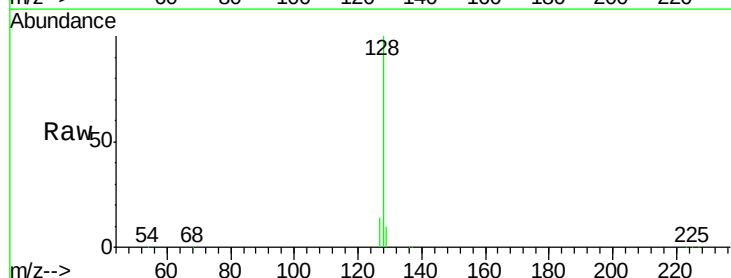
Tgt Ion: 128 Resp: 683286

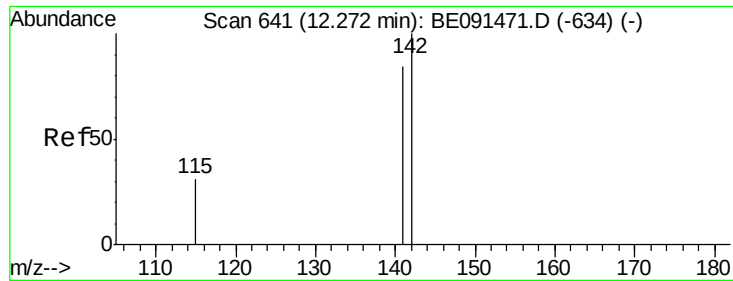
Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.2

127 14.4 11.8 17.8





#9

2-Methylnaphthalene

Concen: 9.95 ng

RT: 12.27 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Instrument :

BNA_E

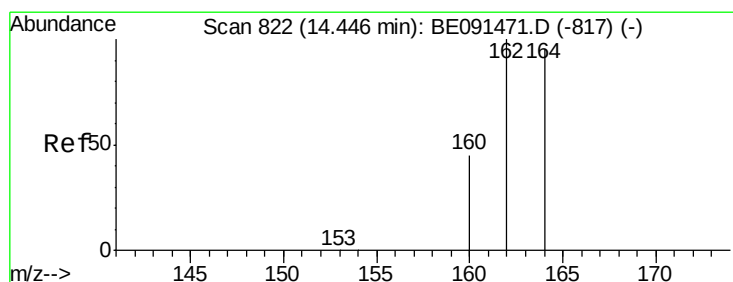
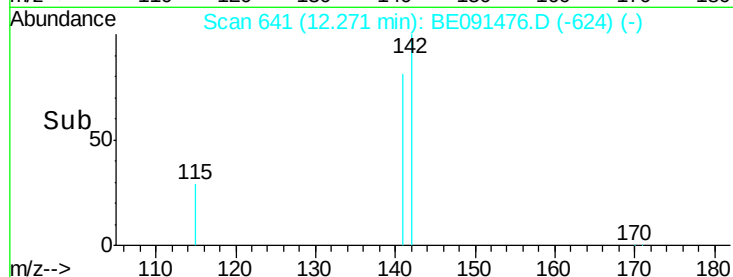
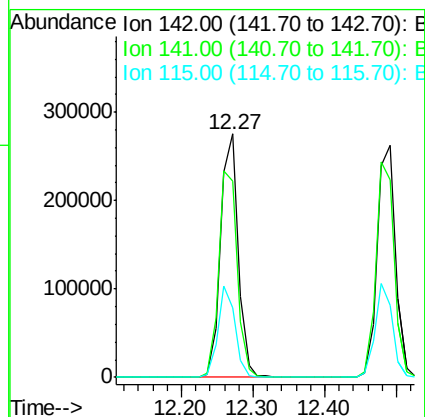
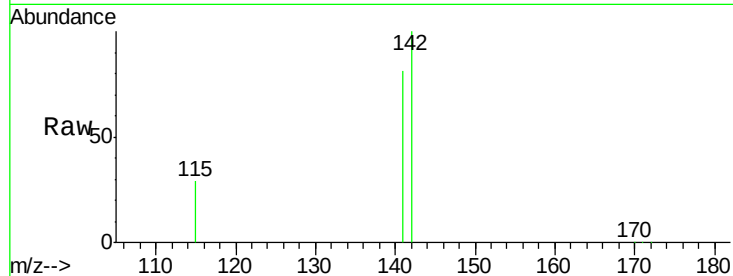
ClientSampleId :

SSTDIC010

Tgt Ion:	142	Resp:	472277
Ion Ratio	Lower	Upper	
142	100		
141	80.8	66.9	100.3
115	28.6	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

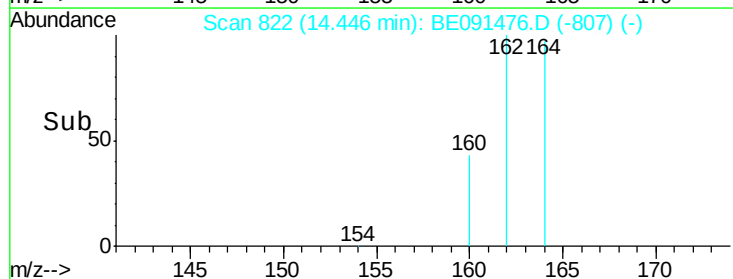
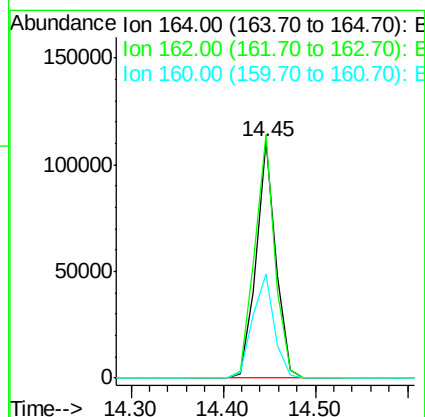
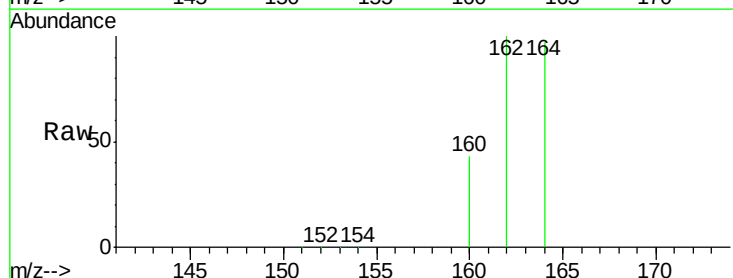
RT: 14.45 min Scan# 822

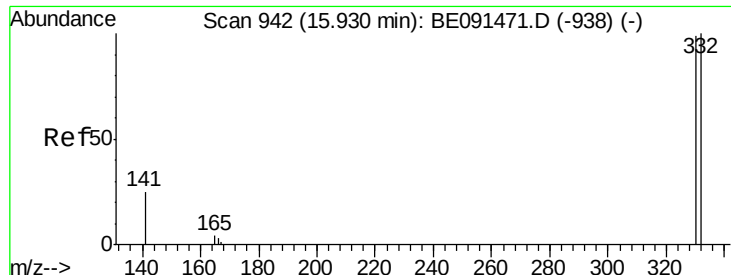
Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Tgt Ion:	164	Resp:	165705
Ion Ratio	Lower	Upper	
164	100		
162	102.8	84.4	126.6
160	44.2	37.7	56.5





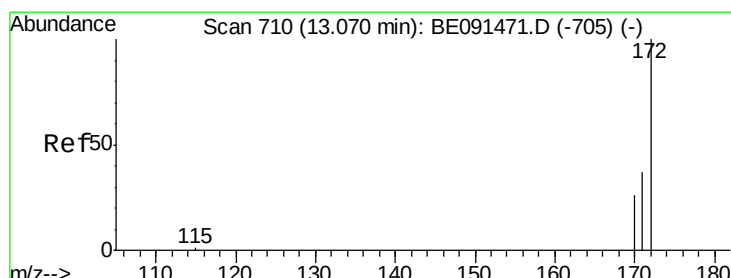
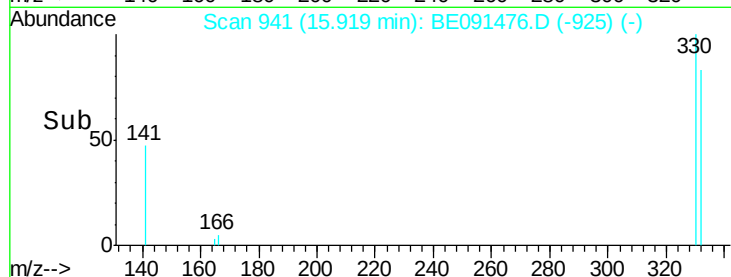
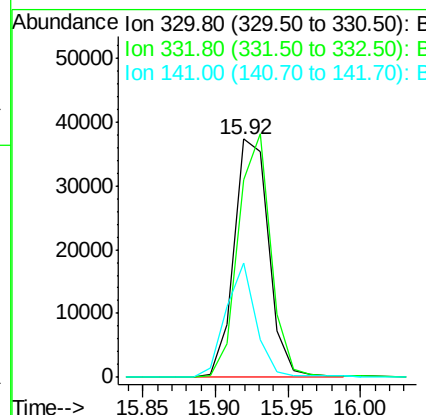
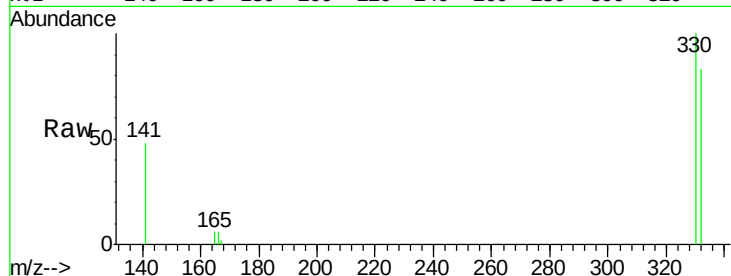
#11
 2,4,6-Tribromophenol
 Concen: 14.20 ng m
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE091476.D
 Acq: 17 Mar 2016 20:59

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 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
330	100		
332	112.8	79.2	118.8
141	47.3	28.1	42.1

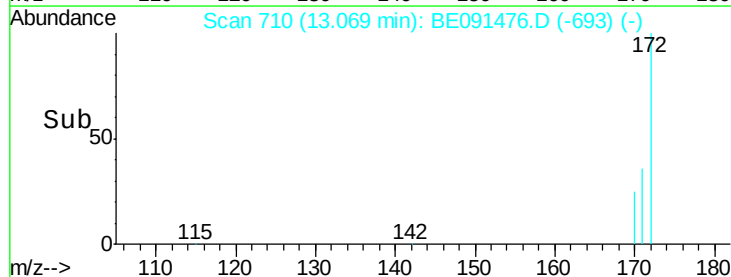
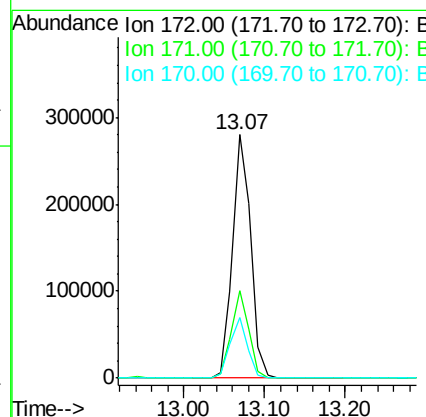
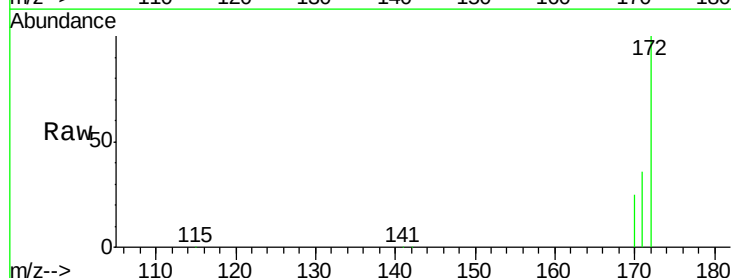
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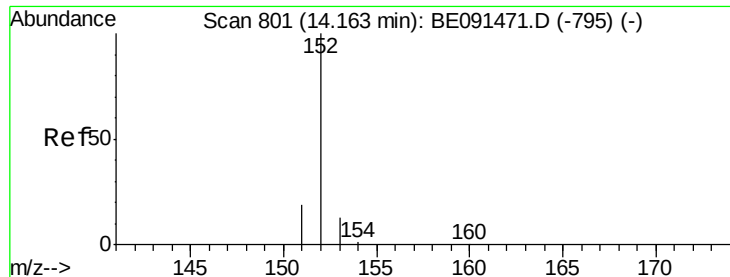
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#12
 2-Fluorobiphenyl
 Concen: 9.46 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE091476.D
 Acq: 17 Mar 2016 20:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.8
170	25.0	21.4	32.2





#13

Acenaphthylene

Concen: 10.38 ng

RT: 14.16 min Scan# 801

Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Instrument :

BNA_E

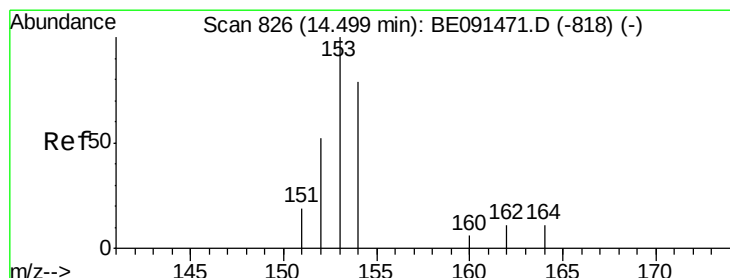
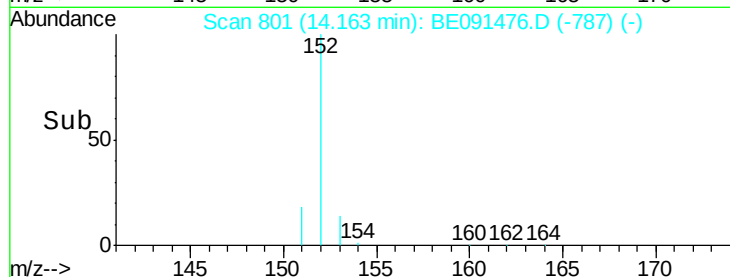
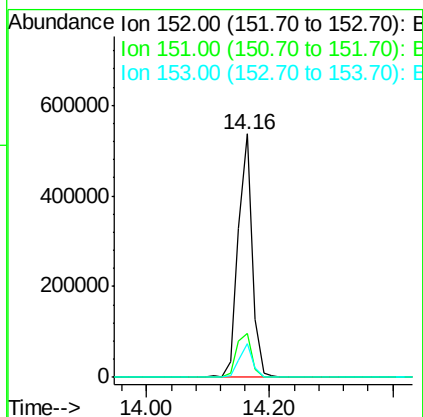
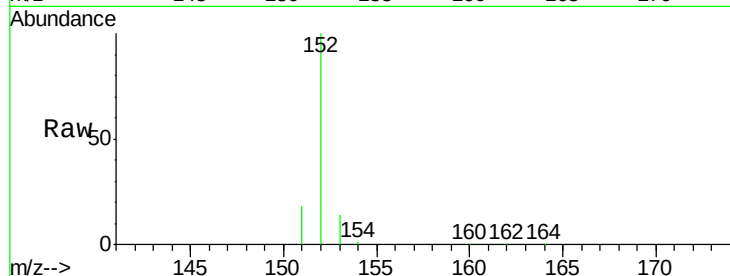
ClientSampleId :

SSTDIC010

Tgt Ion:	152	Resp:	850634
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	13.2	11.1	16.7

Manual Integrations
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#14

Acenaphthene

Concen: 9.05 ng

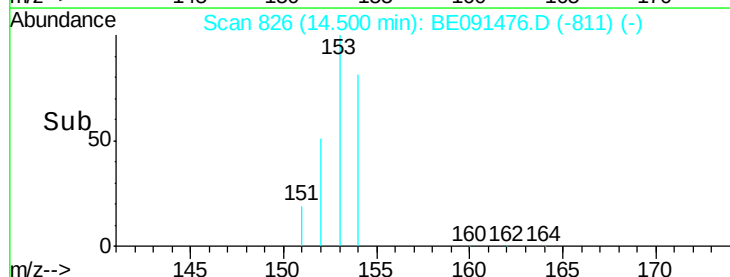
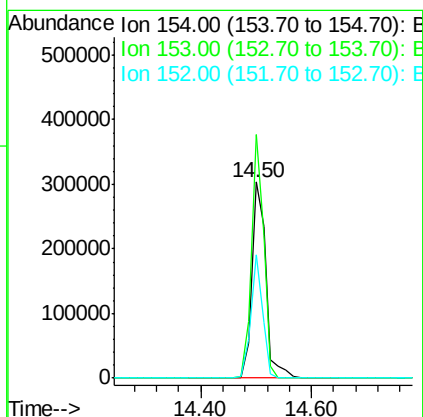
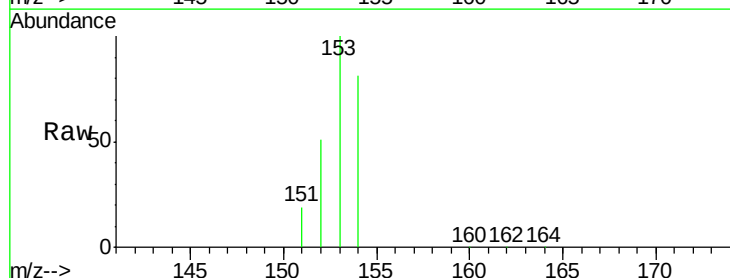
RT: 14.50 min Scan# 826

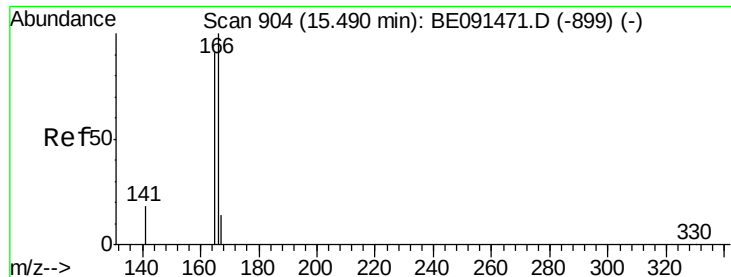
Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Tgt Ion:	154	Resp:	533439
Ion Ratio	Lower	Upper	
154	100		
153	107.6	87.3	130.9
152	52.5	42.9	64.3





#15

Fluorene

Concen: 9.59 ng

RT: 15.49 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Instrument :

BNA_E

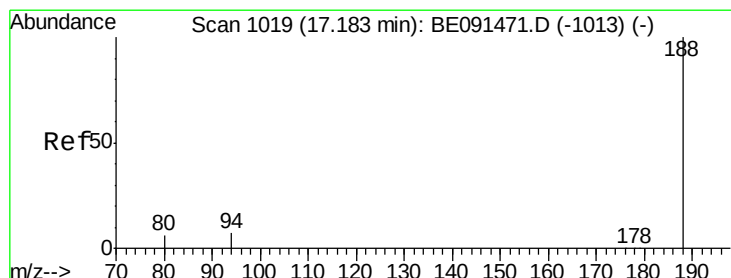
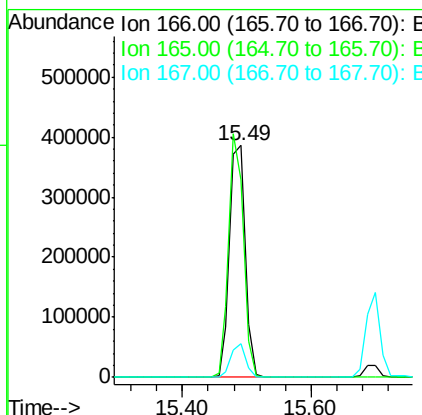
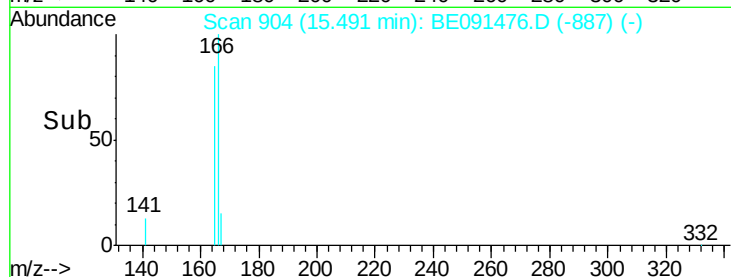
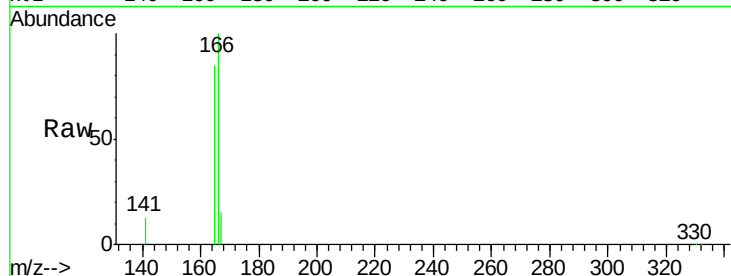
ClientSampleId :

SSTDIC010

Tgt Ion:	166	Resp:	655182
Ion Ratio	Lower	Upper	
166	100		
165	98.2	79.2	118.8
167	13.7	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

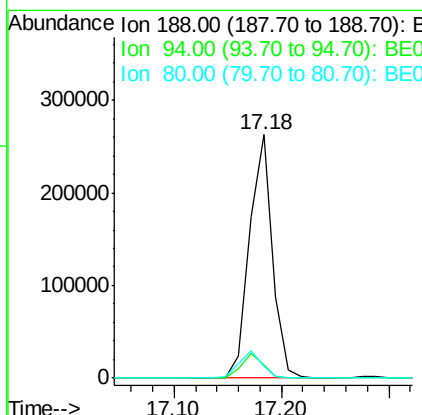
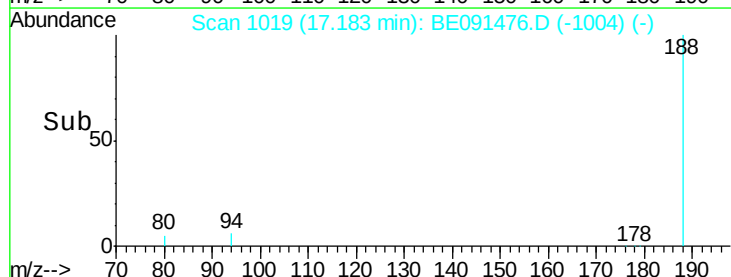
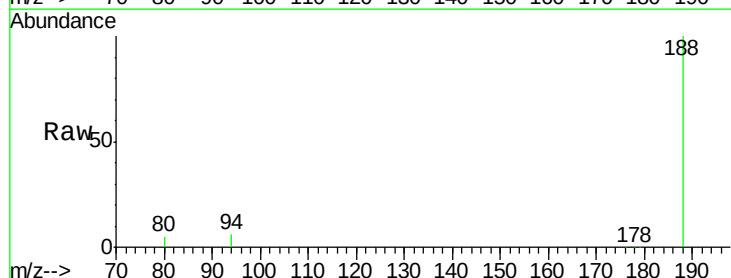
RT: 17.18 min Scan# 1019

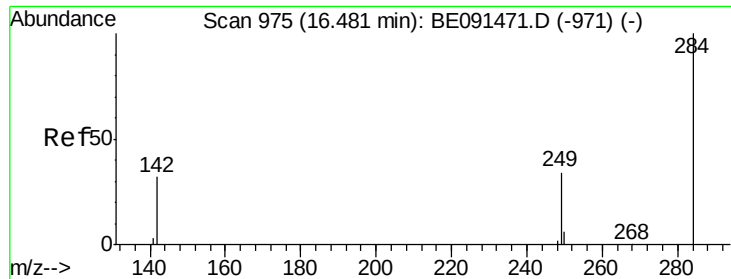
Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Tgt Ion:	188	Resp:	389139
Ion Ratio	Lower	Upper	
188	100		
94	5.6	5.4	8.2
80	5.0	5.0	7.4





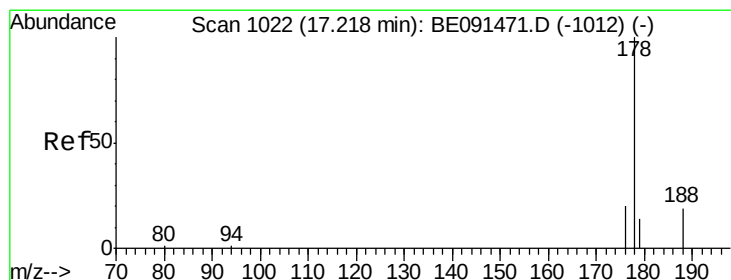
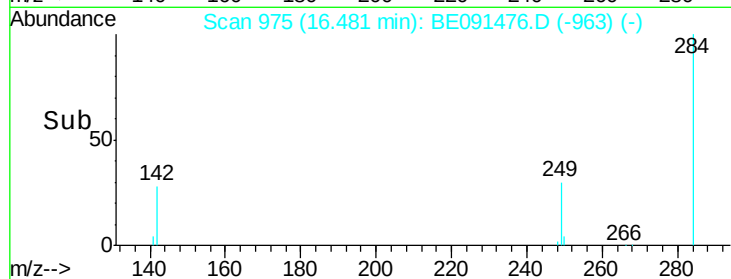
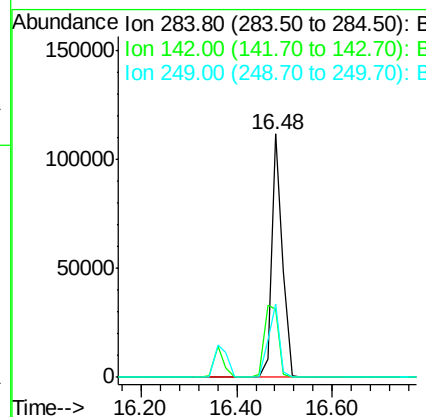
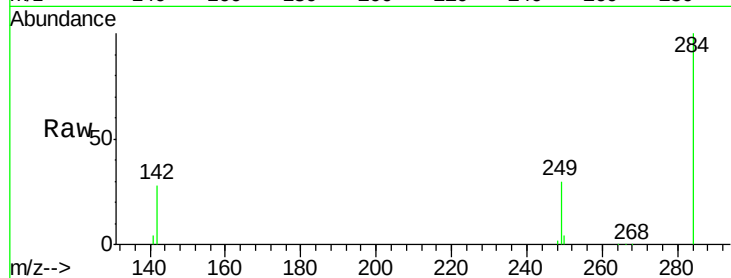
#17
Hexachlorobenzene
Concen: 7.11 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	175979		
142	39.2	31.0	46.4	
249	31.4	25.8	38.8	

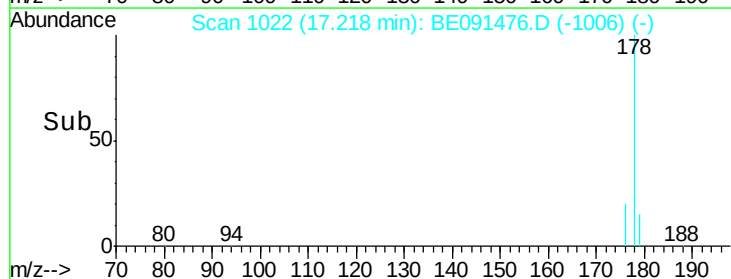
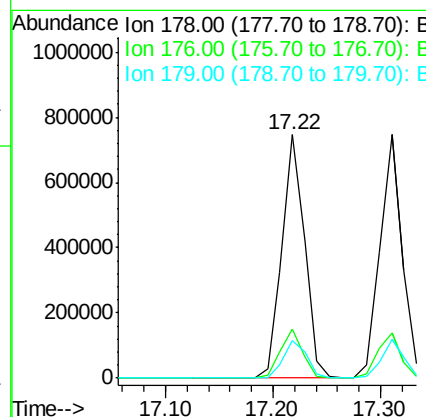
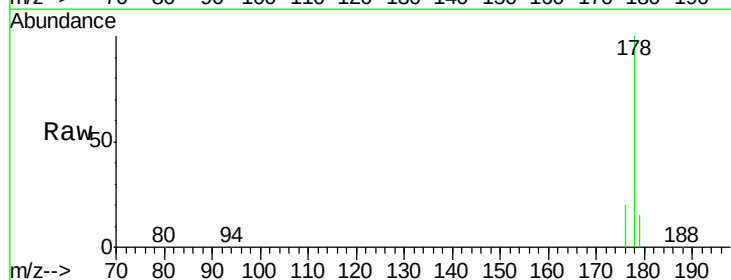
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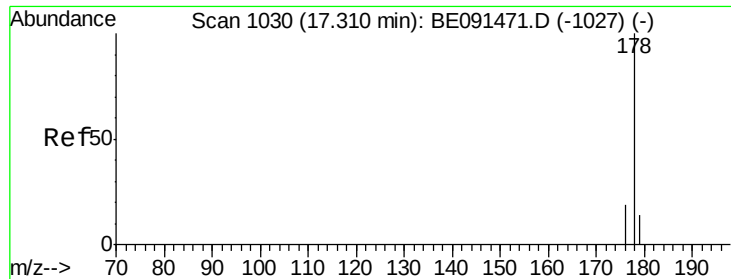
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#19
Phenanthrene
Concen: 8.97 ng
RT: 17.22 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1096865		
176	19.8	15.5	23.3	
179	15.8	13.1	19.7	





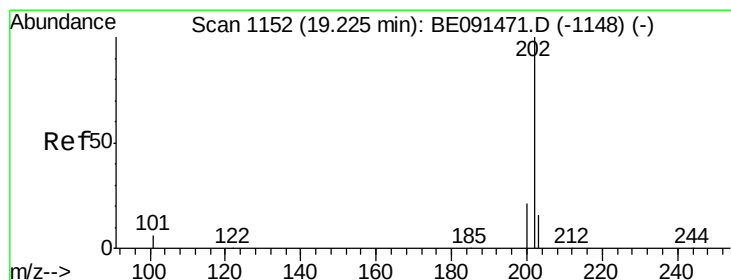
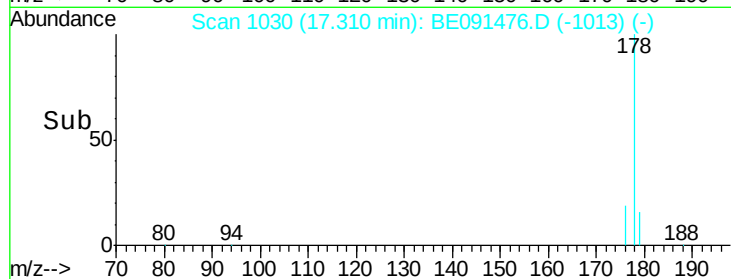
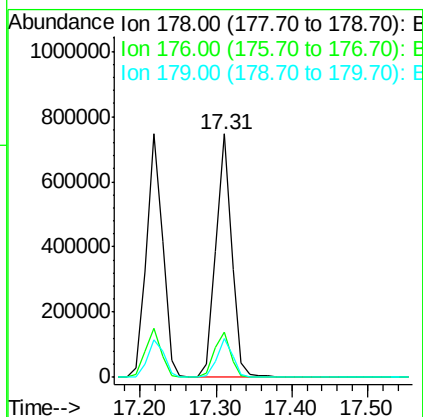
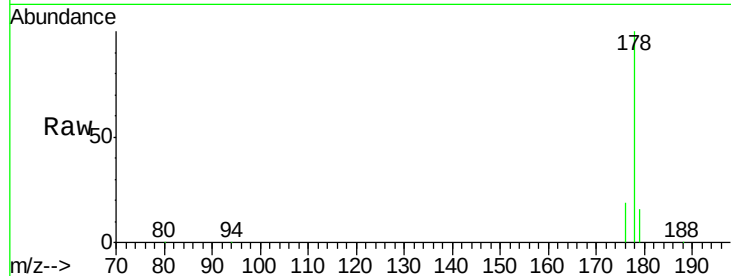
#20
 Anthracene
 Concen: 10.08 ng
 RT: 17.31 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BE091476.D
 Acq: 17 Mar 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion:178 Resp: 1090780
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.9 22.3
 179 15.7 12.2 18.4

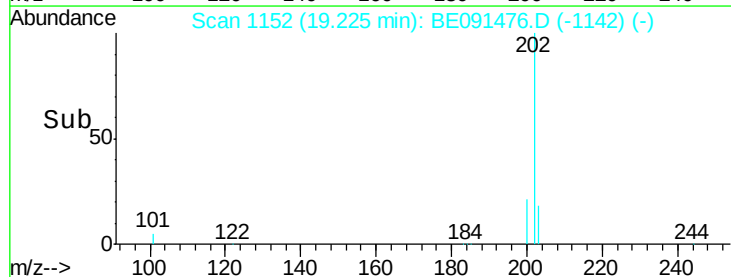
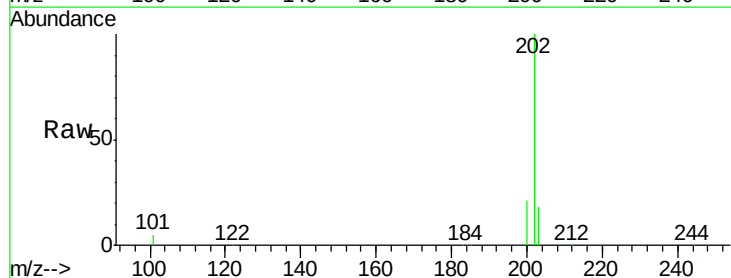
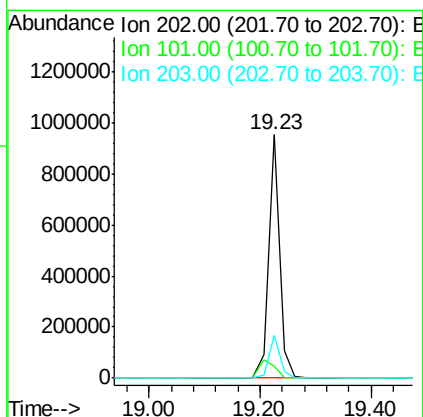
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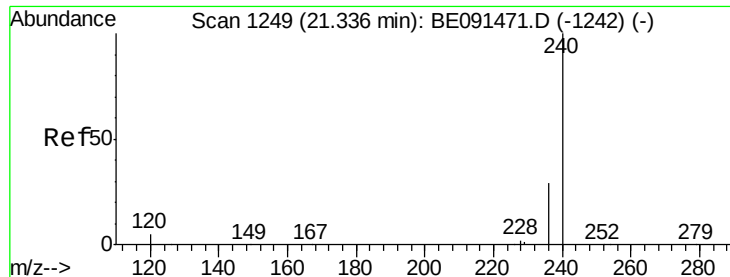
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#21
 Fluoranthene
 Concen: 10.23 ng
 RT: 19.23 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE091476.D
 Acq: 17 Mar 2016 20:59

Tgt Ion:202 Resp: 1338593
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.3 12.5
 203 17.7 13.9 20.9





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.34 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Instrument :

BNA_E

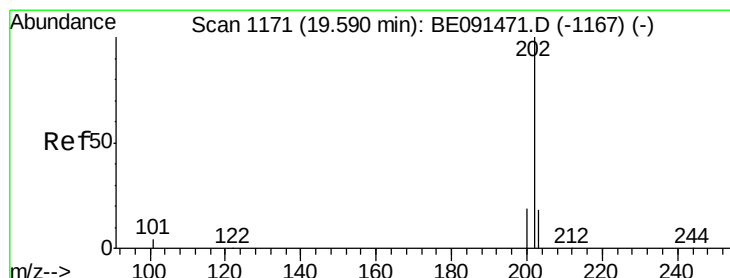
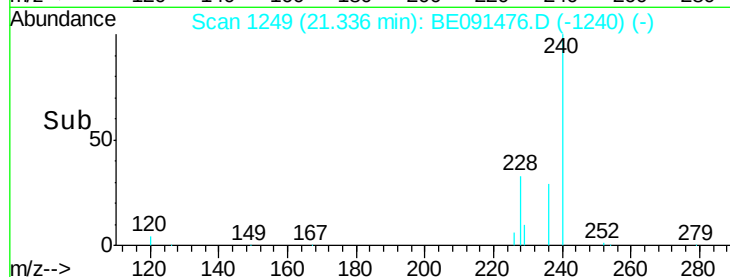
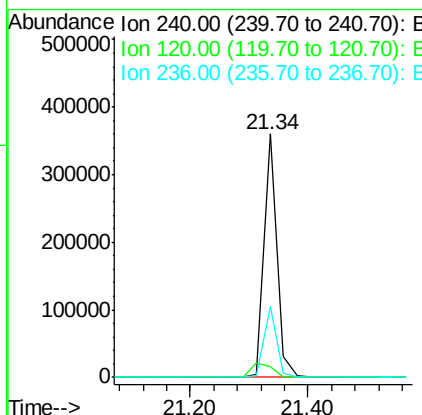
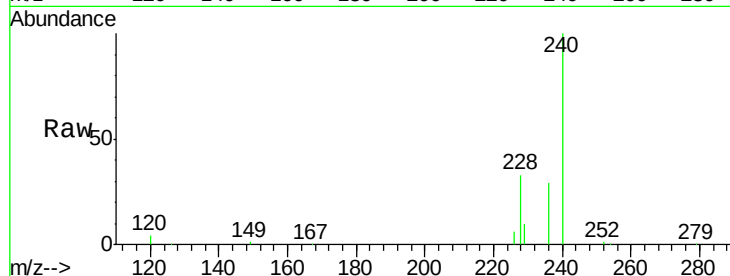
ClientSampleId :

SSTDICC010

Tgt	Ion	240	Resp:	554894
Ion	Ratio	Lower	Upper	
240	100			
120	4.5	4.0	6.0	
236	29.2	23.0	34.4	

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#23

Pyrene

Concen: 6.93 ng

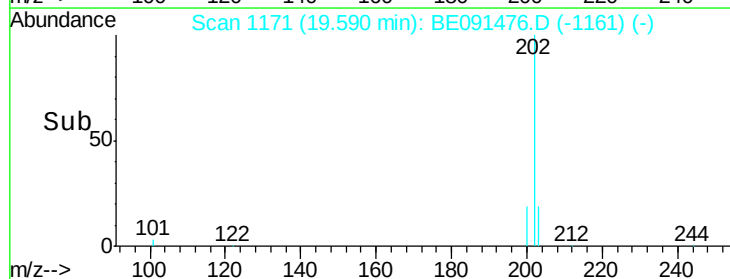
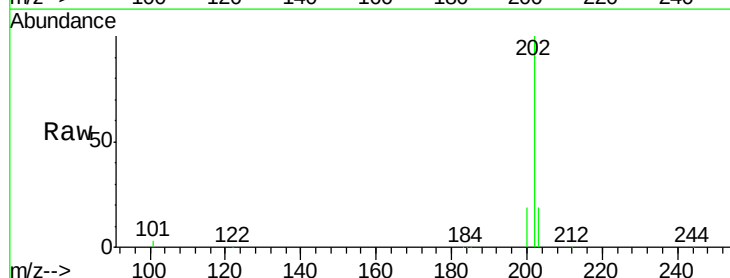
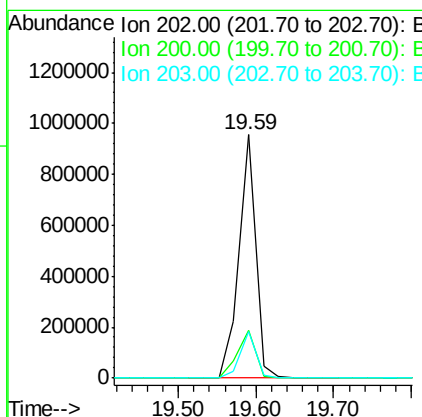
RT: 19.59 min Scan# 1171

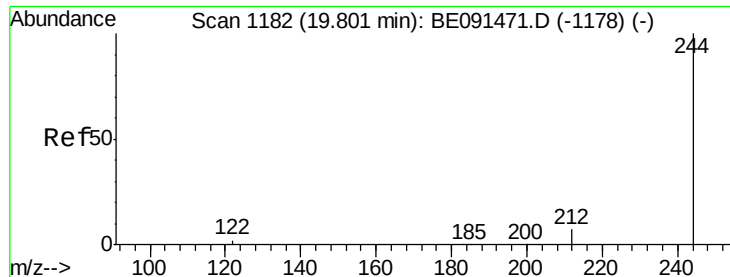
Delta R.T. 0.00 min

Lab File: BE091476.D

Acq: 17 Mar 2016 20:59

Tgt	Ion	202	Resp:	1422675
Ion	Ratio	Lower	Upper	
202	100			
200	21.3	16.4	24.6	
203	18.2	14.6	21.8	





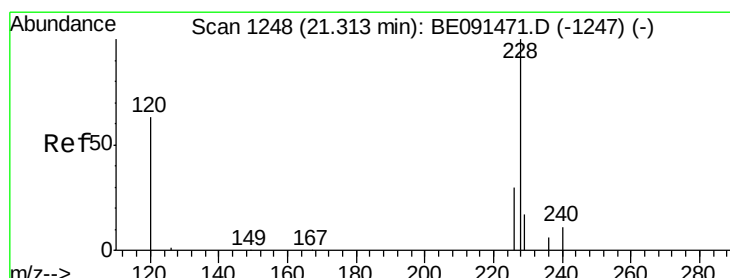
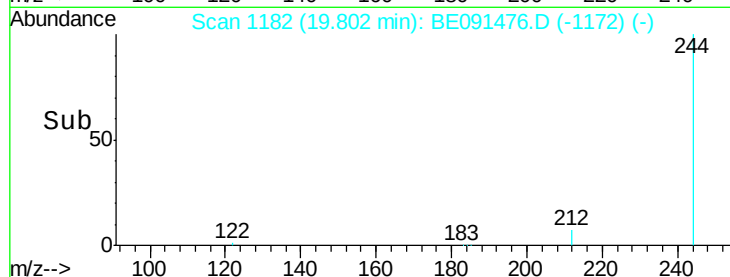
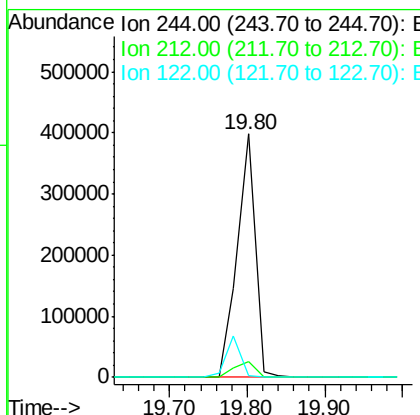
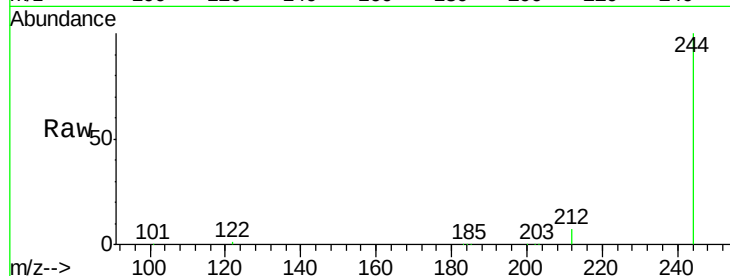
#24
 Terphenyl-d14
 Concen: 9.25 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BE091476.D
 Acq: 17 Mar 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	0.7	1.8	2.8

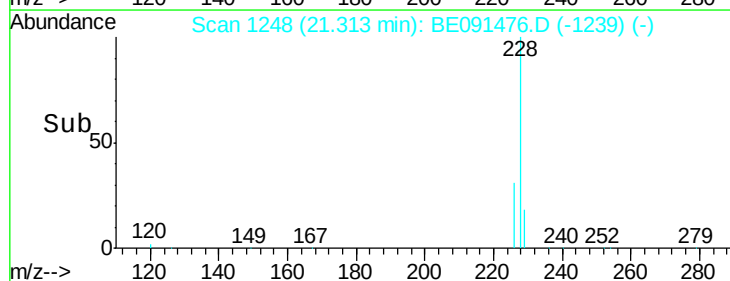
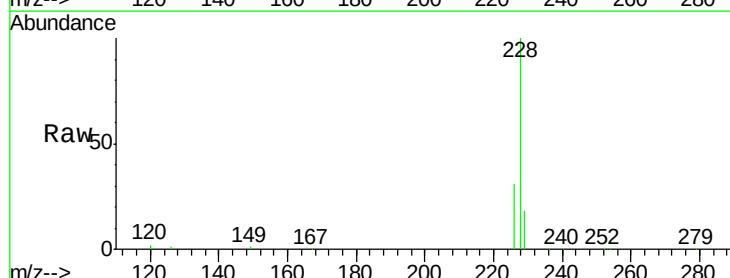
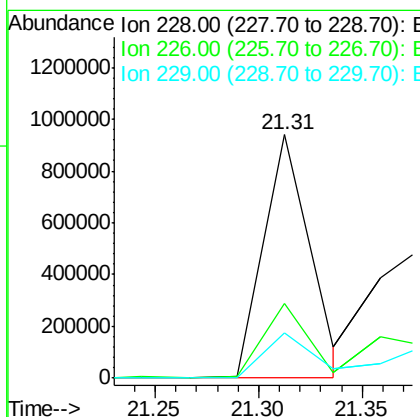
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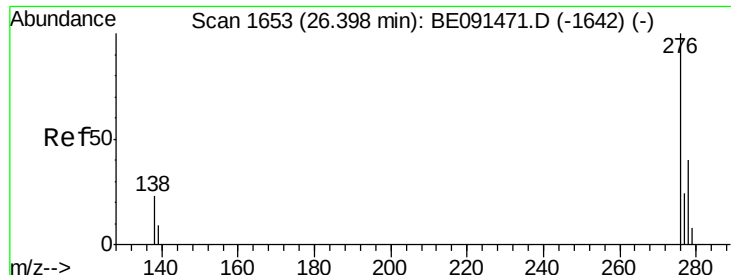
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#25
 Benzo(a)anthracene
 Concen: 8.04 ng m
 RT: 21.31 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BE091476.D
 Acq: 17 Mar 2016 20:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	18.4	13.8	20.6





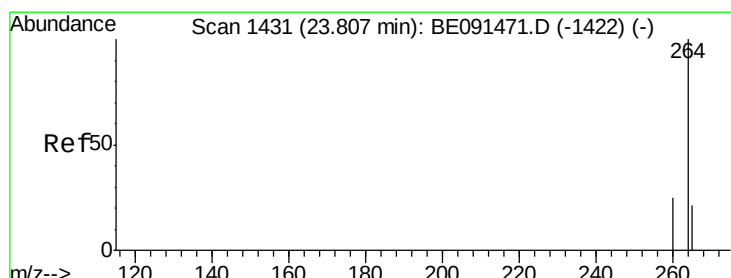
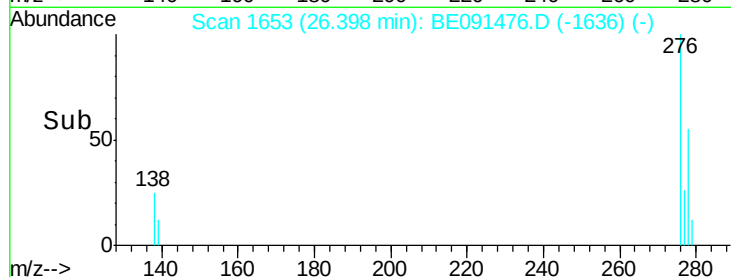
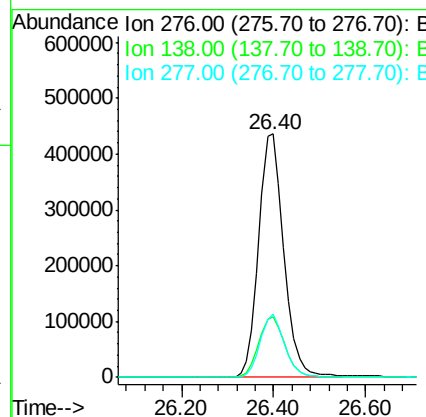
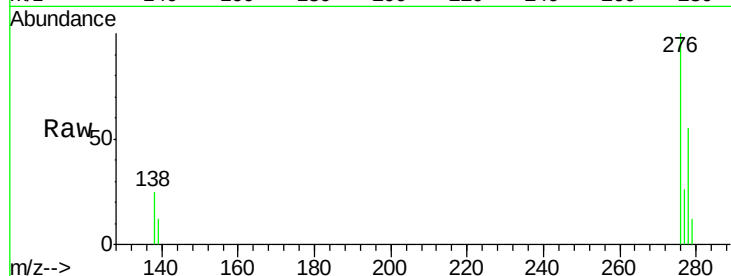
#27
Indeno(1,2,3-cd)pyrene
Concen: 10.60 ng
RT: 26.40 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion: 276 Resp: 1651049
Ion Ratio Lower Upper
276 100
138 25.9 20.2 30.4
277 25.2 19.8 29.8

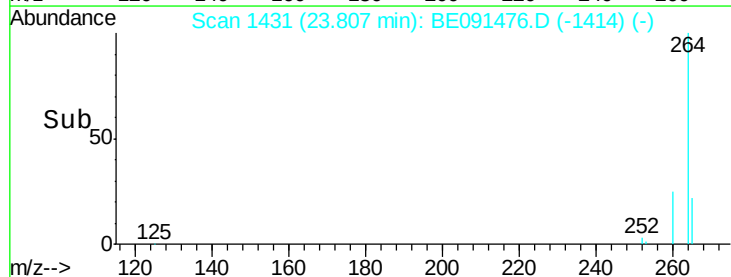
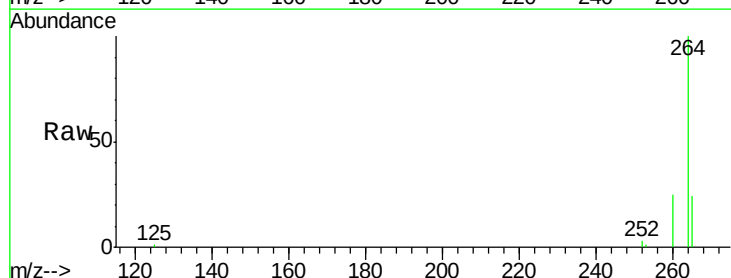
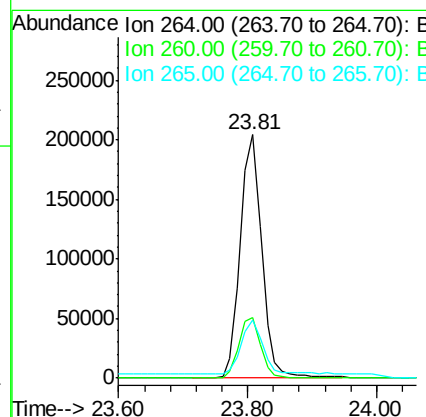
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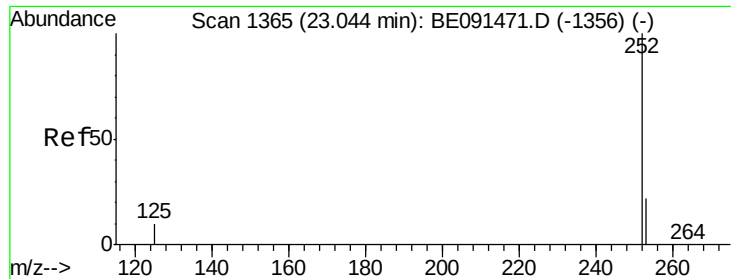
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Tgt Ion: 264 Resp: 468385
Ion Ratio Lower Upper
264 100
260 24.8 20.1 30.1
265 24.0 18.3 27.5





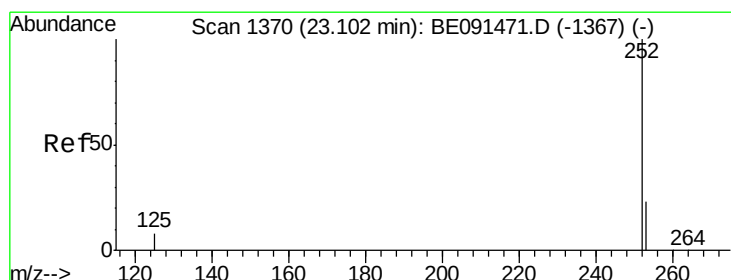
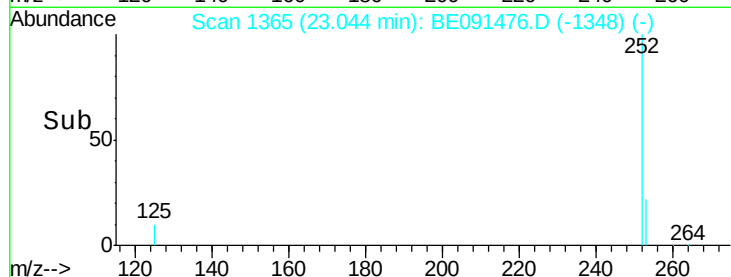
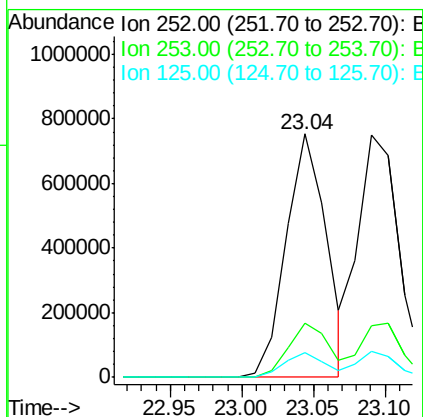
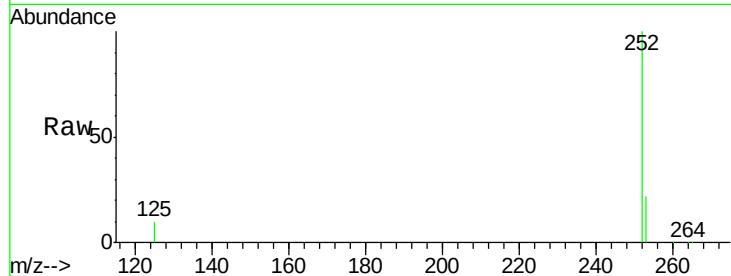
#29
Benzo(b)fluoranthene
Concen: 8.63 ng
RT: 23.04 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 1464547
Ion Ratio Lower Upper
252 100
253 22.1 18.7 28.1
125 10.4 9.8 14.6

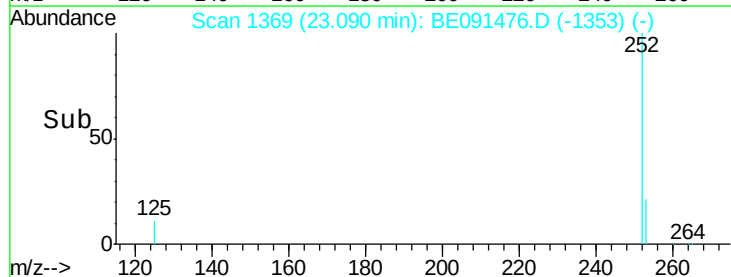
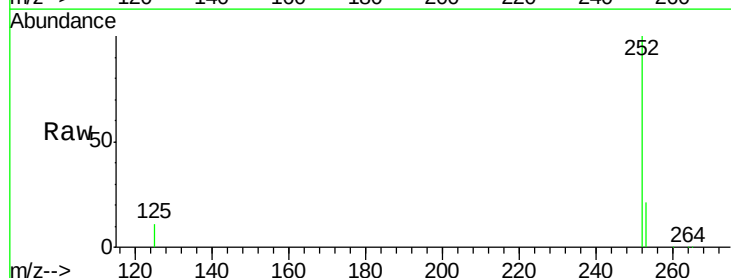
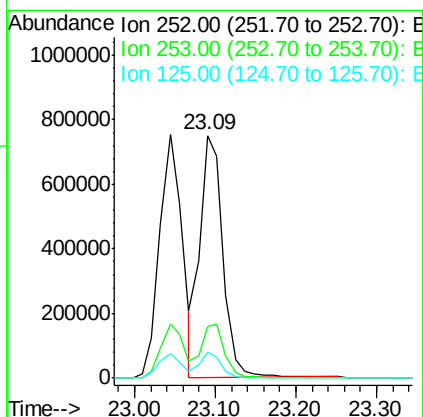
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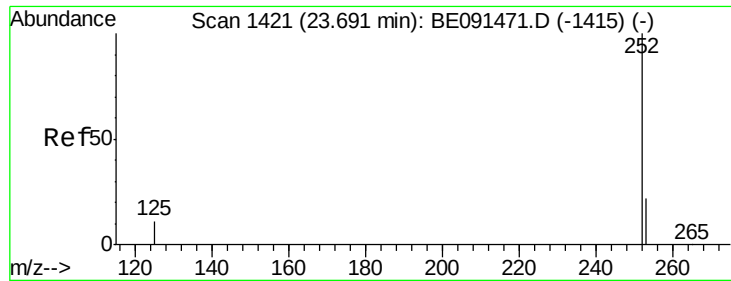
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#30
Benzo(k)fluoranthene
Concen: 8.89 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Tgt Ion:252 Resp: 1495888
Ion Ratio Lower Upper
252 100
253 21.3 20.2 30.4
125 10.6 9.4 14.2





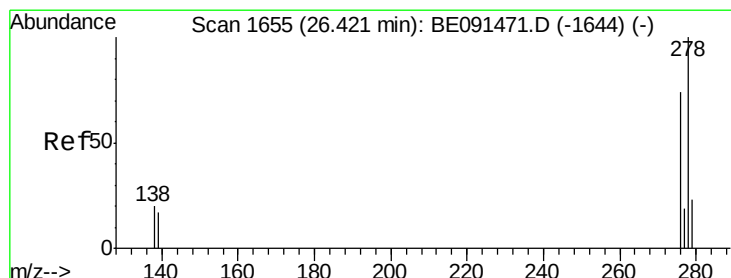
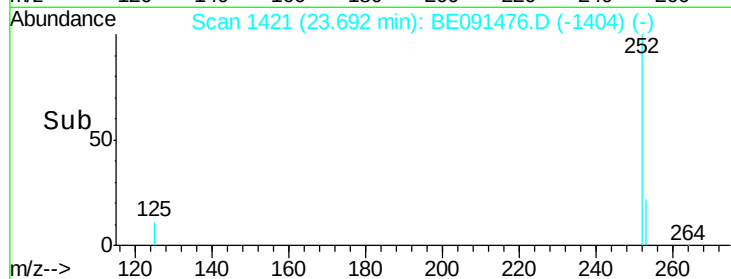
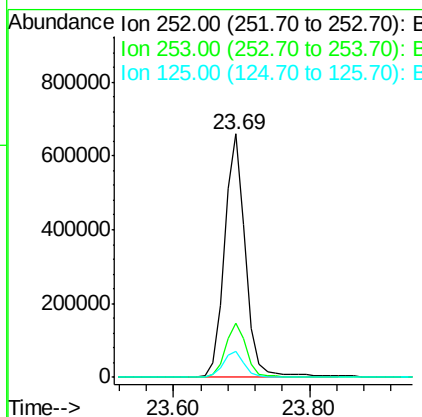
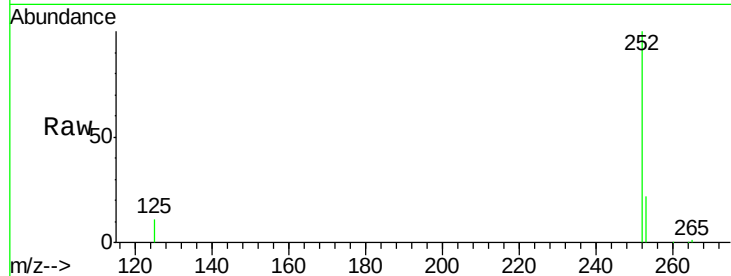
#31
Benzo(a)pyrene
Concen: 9.91 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.4	29.0
125	10.8	11.4	17.2

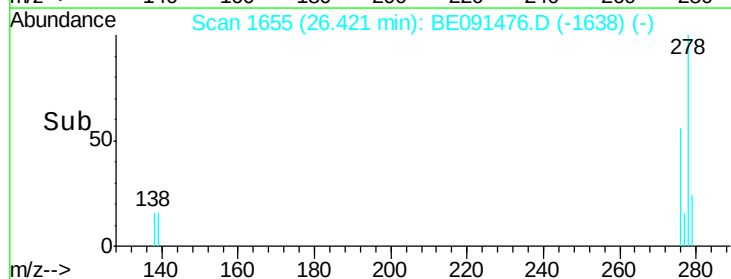
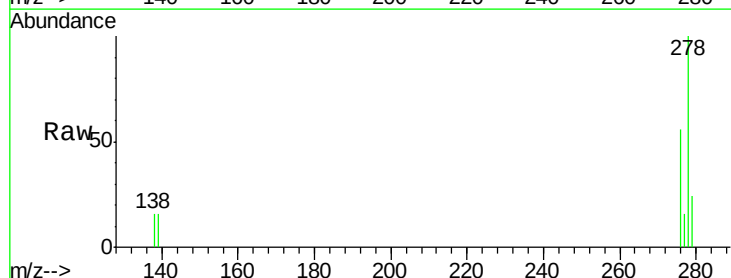
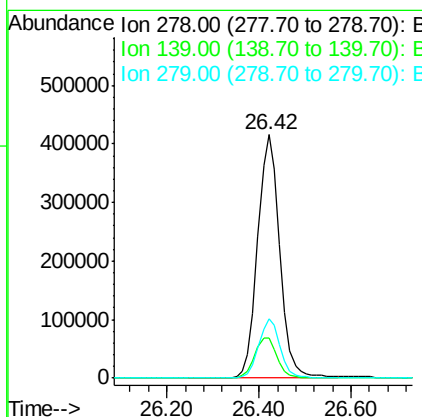
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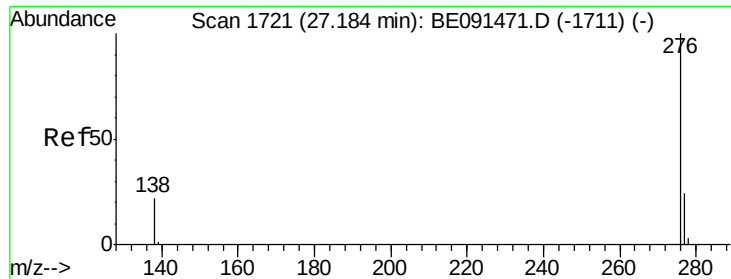
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#32
Dibenzo(a,h)anthracene
Concen: 11.49 ng
RT: 26.42 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BE091476.D
Acq: 17 Mar 2016 20:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	14.2	21.4
279	24.1	19.6	29.4





#33
 Benzo(g,h,i)perylene
 Concen: 10.26 ng
 RT: 27.20 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: BE091476.D
 Acq: 17 Mar 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.2
138	20.1	18.2	27.4

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