

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
 Data File : BE091455.D
 Acq On : 16 Mar 2016 22:30
 Operator : UM/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Manual Integrations
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 3/17/2016 5:22:21 PM

Quant Time: Mar 17 07:17:21 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE031616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 07:07:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	70901	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	329834	5.00	ng	0.00
8) Acenaphthene-d10	14.45	164	194158	5.00	ng	0.00
13) Phenanthrene-d10	17.18	188	460324	5.00	ng	0.00
19) Chrysene-d12	21.34	240	591507	5.00	ng	0.00
25) Perylene-d12	23.81	264	567966	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	51618	3.36	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	172477	3.66	ng	0.00
21) Terphenyl-d14	19.80	244	282188	3.16	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	26925	4.12	ng	# 100
3) n-Nitrosodimethylamine	3.66	42	47061	6.23	ng	# 100
6) Naphthalene	10.67	128	265836	3.50	ng	99
7) 2-Methylnaphthalene	12.27	142	180170	3.98	ng	95
10) Acenaphthylene	14.16	152	304350	1.05	ng	# 100
11) Acenaphthene	14.51	154	202645	3.47	ng	# 100
12) Fluorene	15.49	166	258539	3.42	ng	# 100
14) Hexachlorobenzene	16.48	284	69415	2.66	ng	# 100
15) Pentachlorophenol	16.83	266	31930	5.55	ng	# 82
16) Phenanthrene	17.23	178	436723	2.78	ng	# 100
17) Anthracene	17.31	178	409379	1.82	ng	# 100
18) Fluoranthene	19.22	202	500384	2.19	ng	# 67
20) Pyrene	19.59	202	563222	3.37	ng	# 93
22) Benzo(a)anthracene	21.31	228	666416	3.26	ng	98
23) Chrysene	21.38	228	435113m	2.06	ng	
24) Indeno(1,2,3-cd)pyrene	26.40	276	658293	3.63	ng	# 100
26) Benzo(b)fluoranthene	23.04	252	574265	3.46	ng	92
27) Benzo(k)fluoranthene	23.10	252	611182	3.99	ng	# 94
28) Benzo(a)pyrene	23.69	252	559311	4.00	ng	# 92
29) Dibenzo(a,h)anthracene	26.43	278	552005	4.11	ng	96
30) Benzo(g,h,i)perylene	27.20	276	559143	3.89	ng	98

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

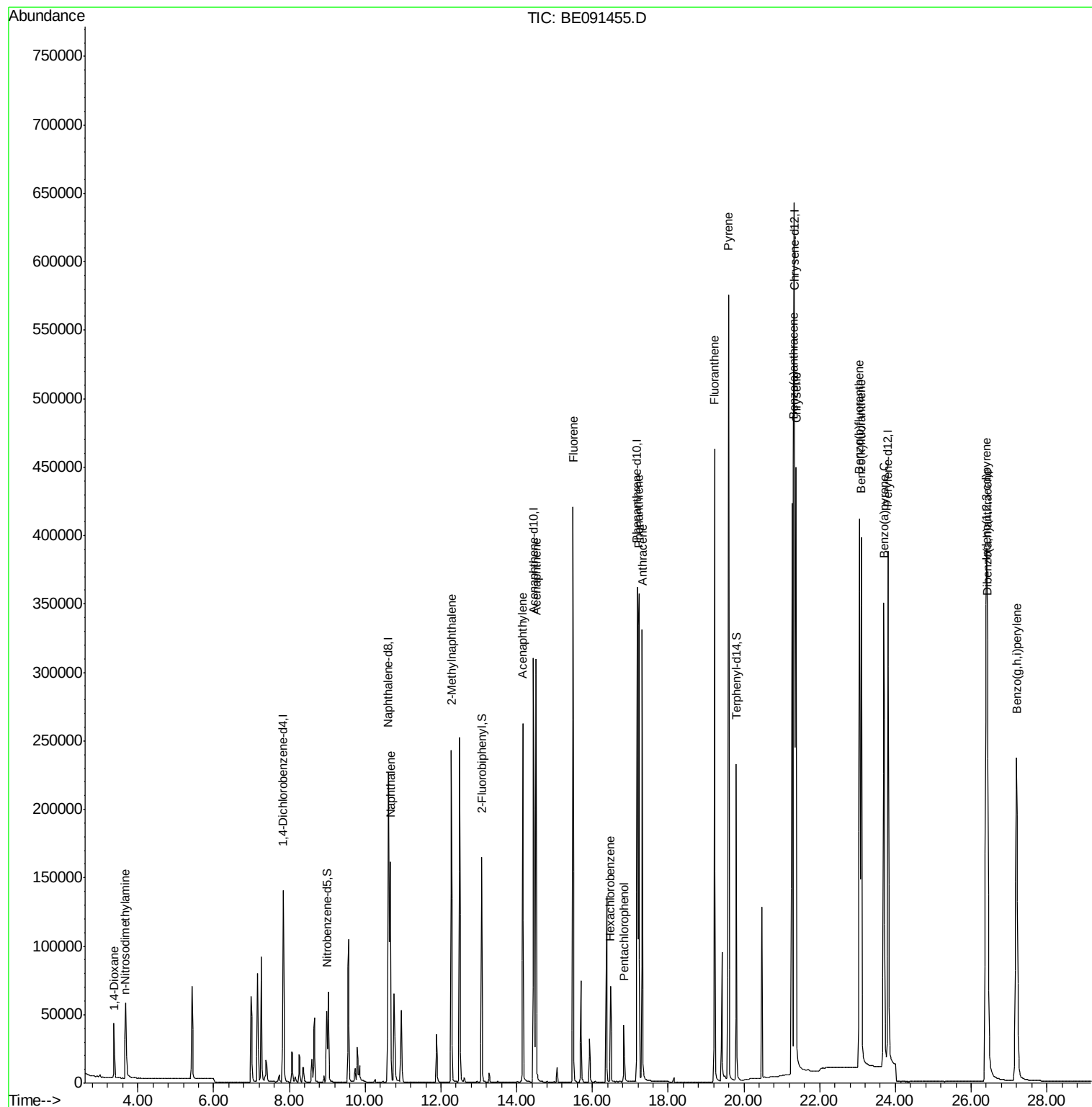
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
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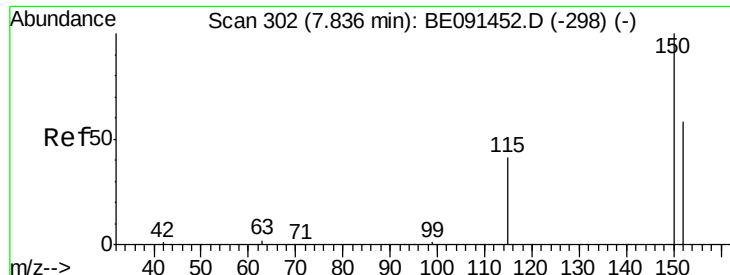
Instrument :
BNA_E
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SSTDICC3.2

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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: BE091455.D

Acq: 16 Mar 2016 22:30

Instrument :

BNA_E

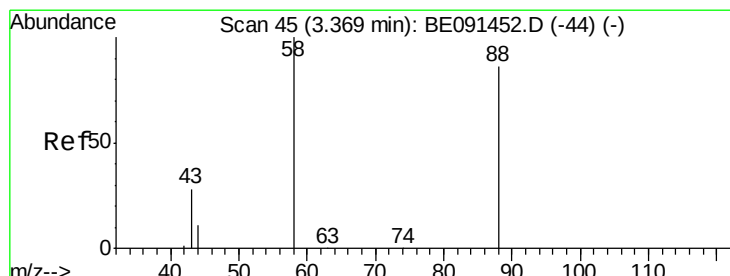
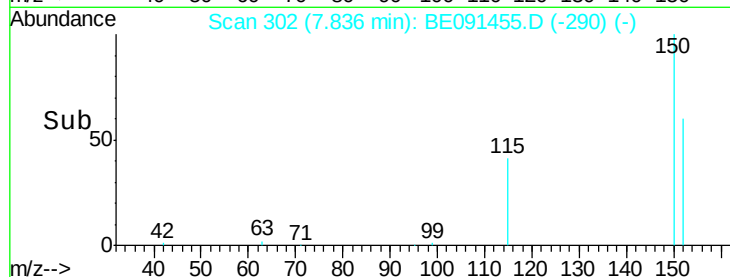
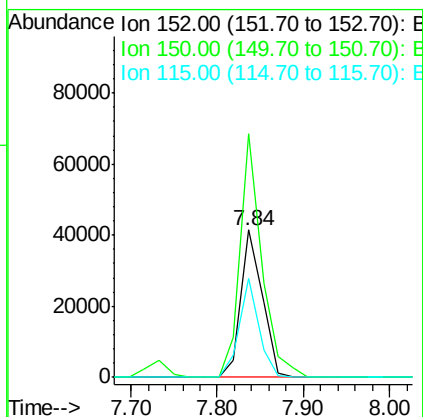
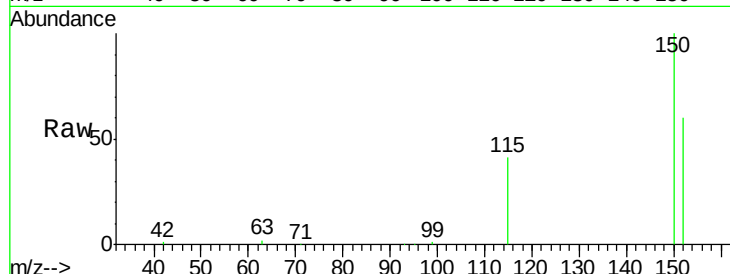
ClientSampleId :

SSTDICC3.2

Tgt Ion:	152	Resp:	70901
Ion Ratio	Lower	Upper	
152	100		
150	165.6	136.8	205.2
115	67.5	56.9	85.3

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#2

1,4-Dioxane

Concen: 4.12 ng

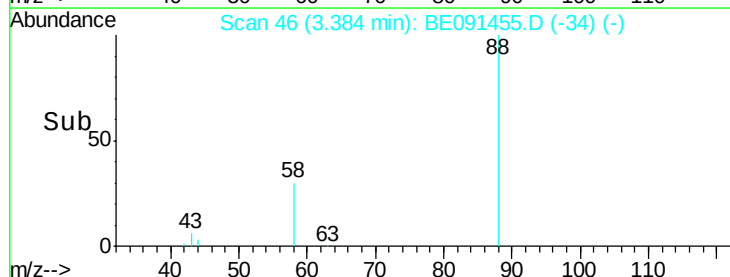
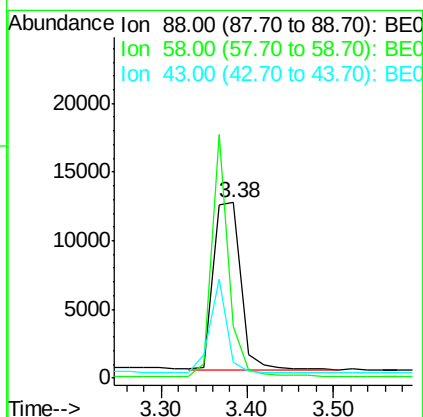
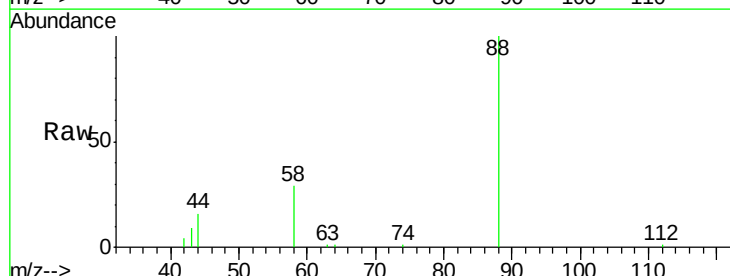
RT: 3.38 min Scan# 46

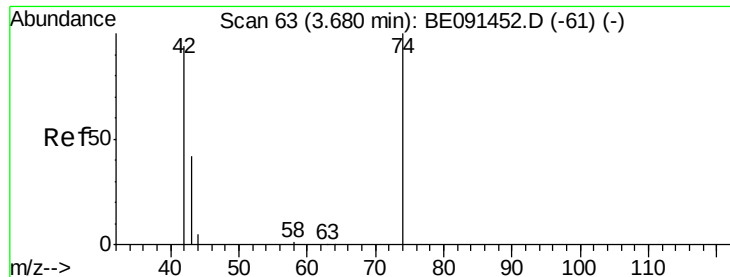
Delta R.T. 0.02 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Tgt Ion:	88	Resp:	26925
Ion Ratio	Lower	Upper	
88	100		
58	87.8	0.0	0.0#
43	35.5	0.0	0.0#





#3

n-Nitrosodimethylamine

Concen: 6.23 ng

RT: 3.66 min Scan# 62

Delta R.T. -0.02 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Instrument :

BNA_E

ClientSampleId :

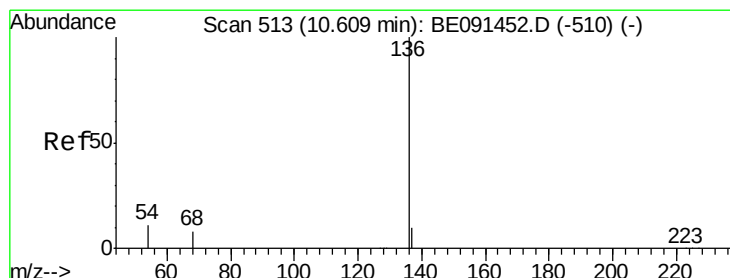
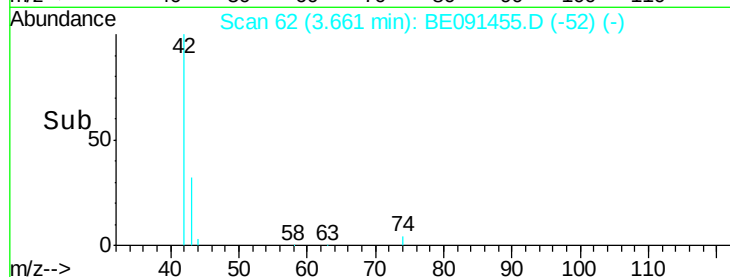
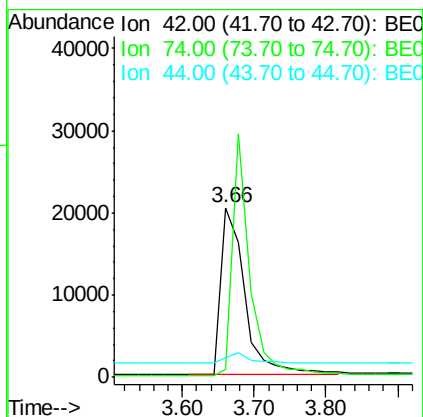
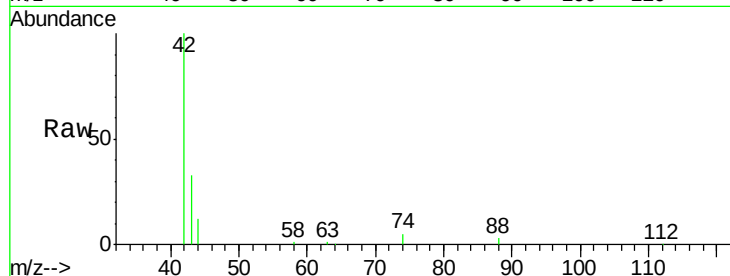
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Tgt Ion	Ratio	Lower	Upper
42	100		
74	104.5	0.0	0.0#
44	6.5	0.0	0.0#



#4

Naphthalene-d8

Concen: 5.00 ng

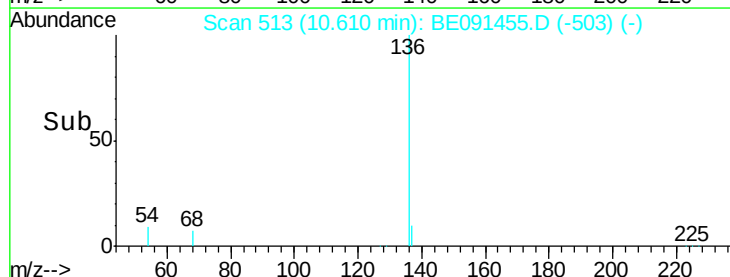
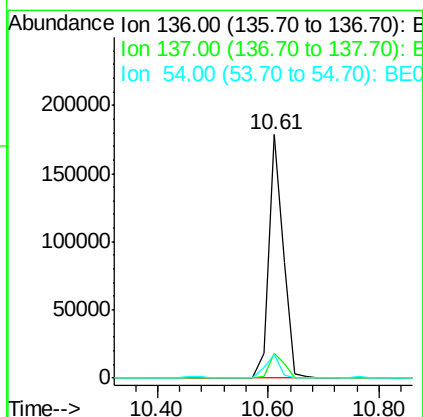
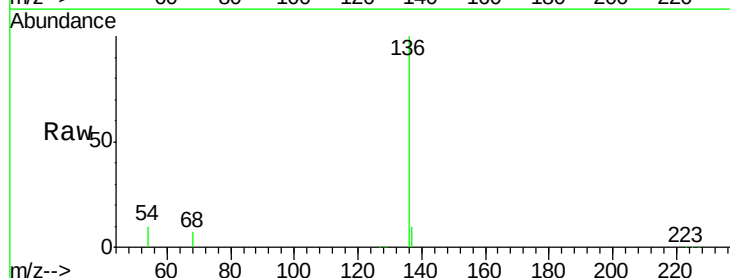
RT: 10.61 min Scan# 513

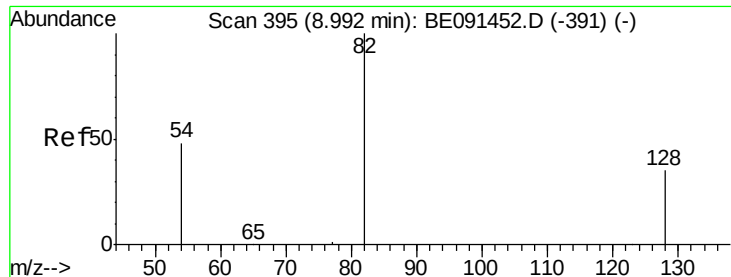
Delta R.T. 0.00 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.0	12.0
54	9.5	9.1	13.7





#5

Nitrobenzene-d5

Concen: 3.36 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Instrument :

BNA_E

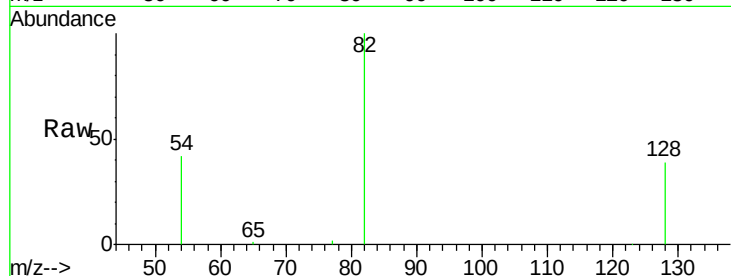
ClientSampleId :

SSTDICC3.2

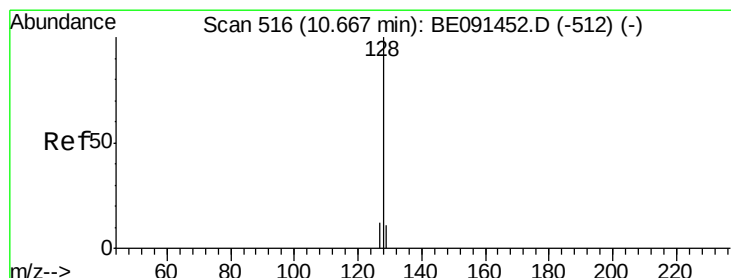
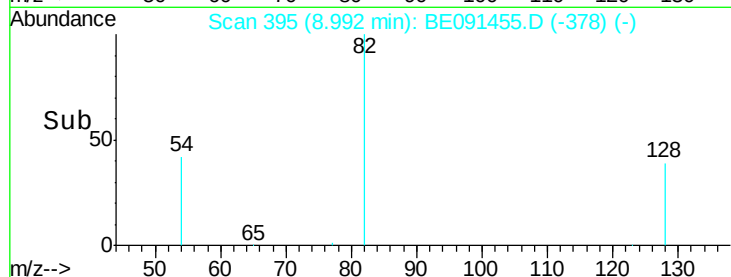
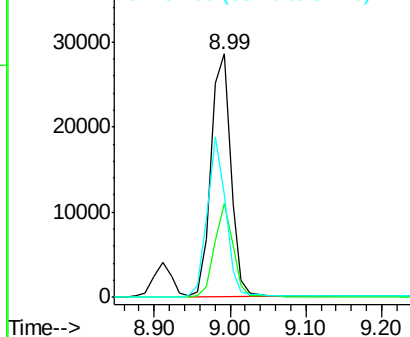
Tgt Ion	82	Resp	51618
Ion Ratio	Lower	Upper	
82	100		
128	38.7	29.4	44.2
54	42.4	39.8	59.8

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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



#6

Naphthalene

Concen: 3.50 ng

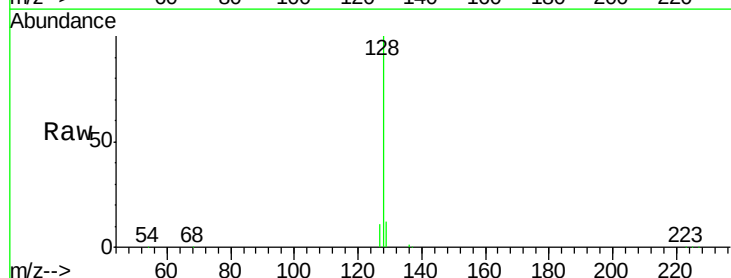
RT: 10.67 min Scan# 516

Delta R.T. 0.00 min

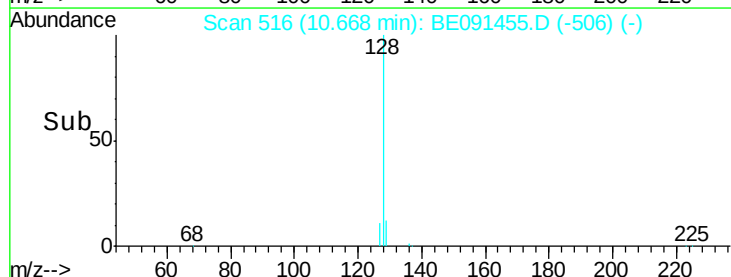
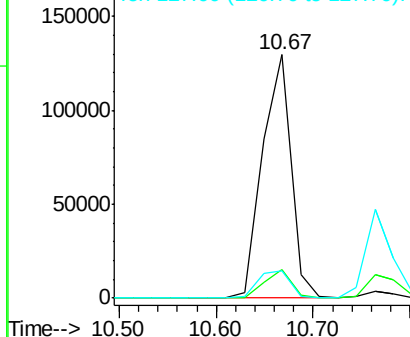
Lab File: BE091455.D

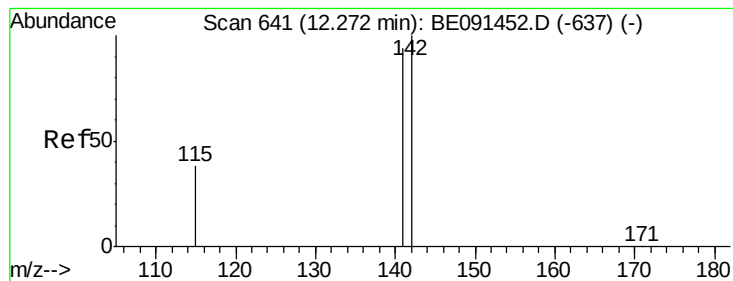
Acq: 16 Mar 2016 22:30

Tgt Ion	128	Resp	265836
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.4	14.0
127	11.5	9.7	14.5



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





#7

2-Methylnaphthalene

Concen: 3.98 ng

RT: 12.27 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE091455.D

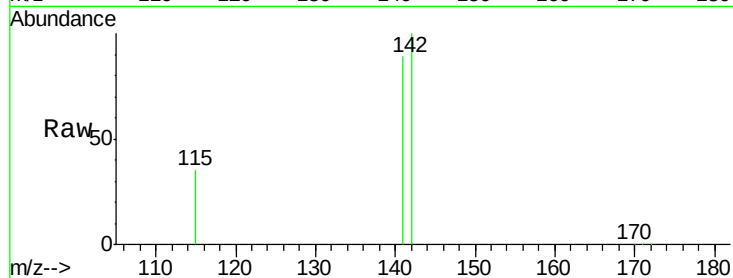
Acq: 16 Mar 2016 22:30

Instrument :

BNA_E

ClientSampleId :

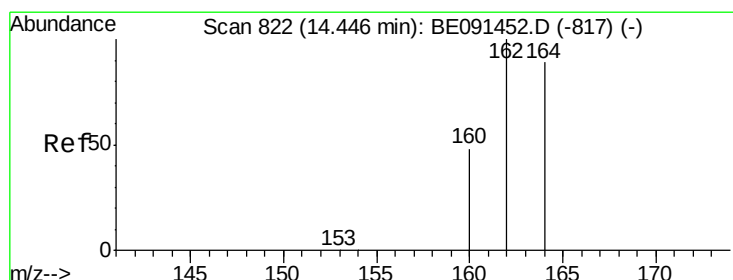
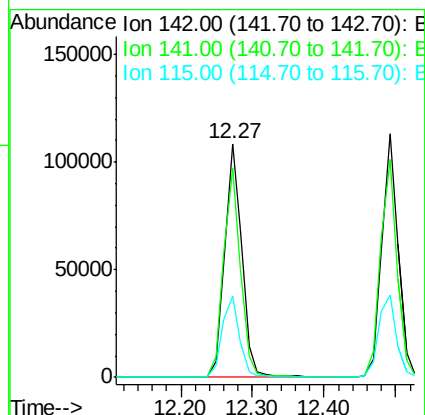
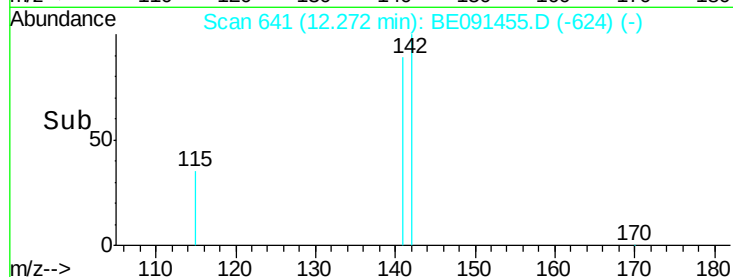
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Tgt Ion:	142	Resp:	180170
Ion Ratio	Lower	Upper	
142	100		
141	89.3	75.0	112.4
115	34.6	30.8	46.2

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#8

Acenaphthene-d10

Concen: 5.00 ng

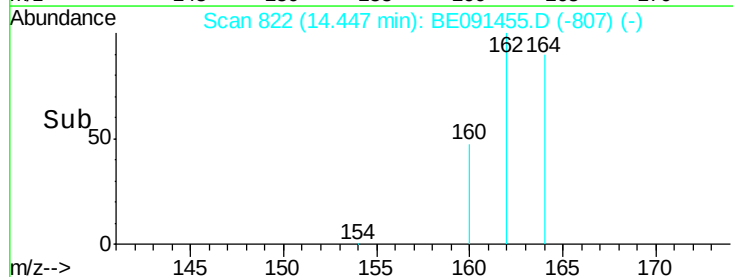
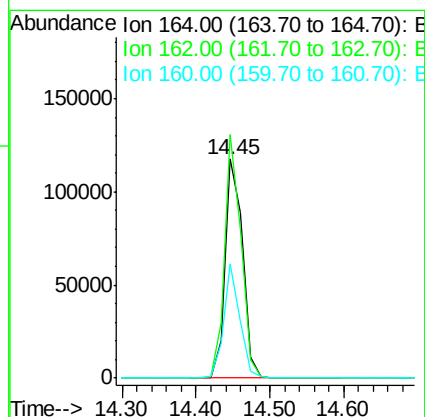
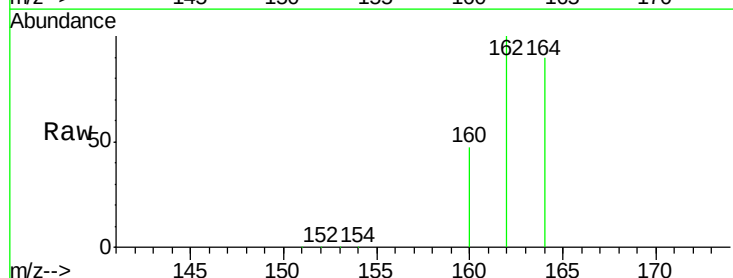
RT: 14.45 min Scan# 822

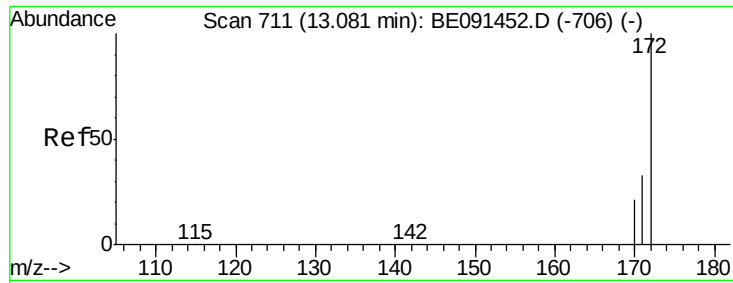
Delta R.T. 0.00 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Tgt Ion:	164	Resp:	194158
Ion Ratio	Lower	Upper	
164	100		
162	111.2	89.8	134.8
160	52.1	43.1	64.7





#9

2-Fluorobiphenyl

Concen: 3.66 ng

RT: 13.08 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Instrument :

BNA_E

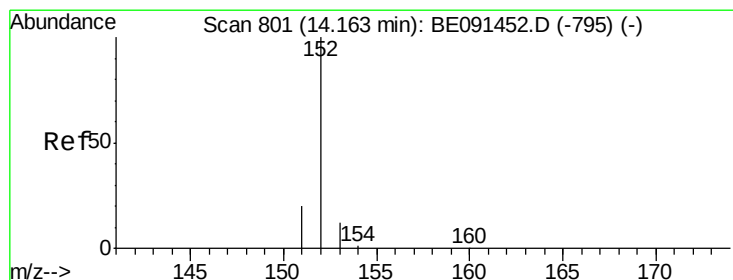
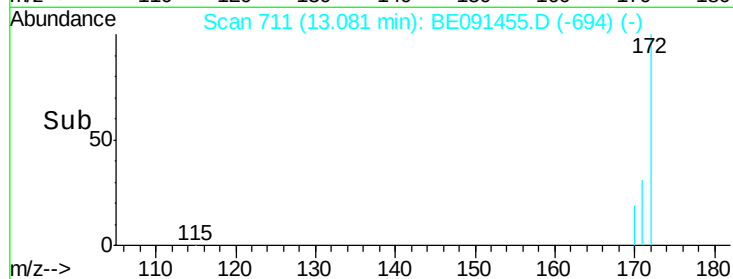
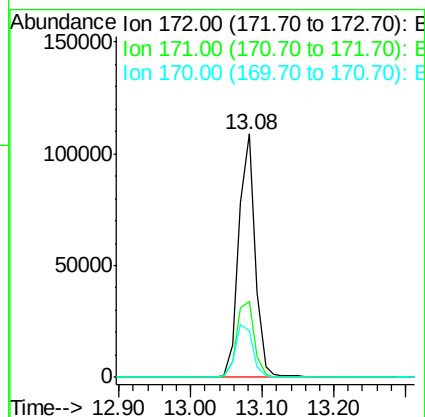
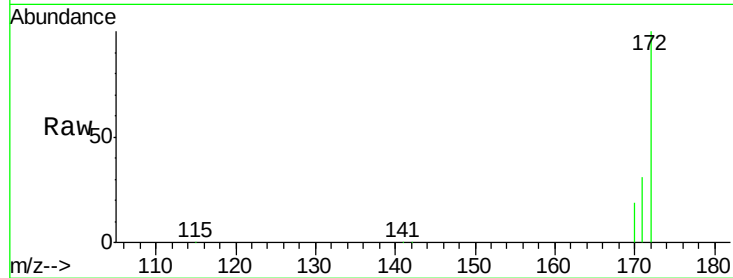
ClientSampleId :

SSTDICC3.2

Tgt Ion:	172	Resp:	172477
Ion Ratio	Lower	Upper	
172	100		
171	31.3	26.7	40.1
170	19.3	17.4	26.2

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#10

Acenaphthylene

Concen: 1.05 ng

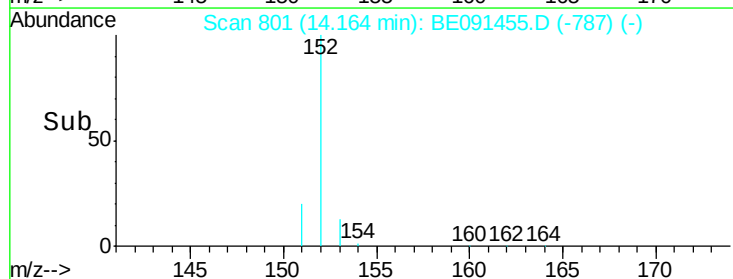
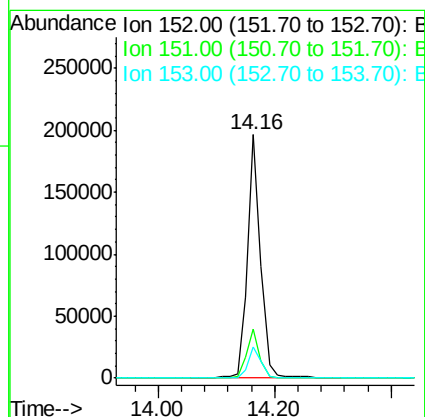
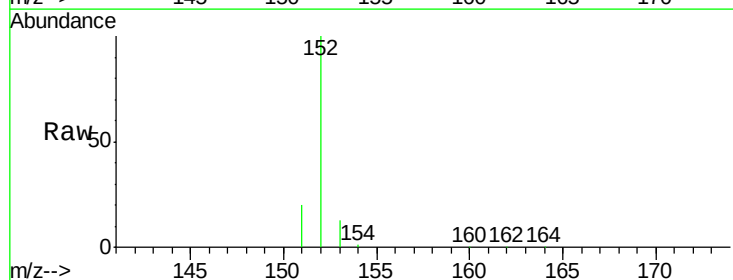
RT: 14.16 min Scan# 801

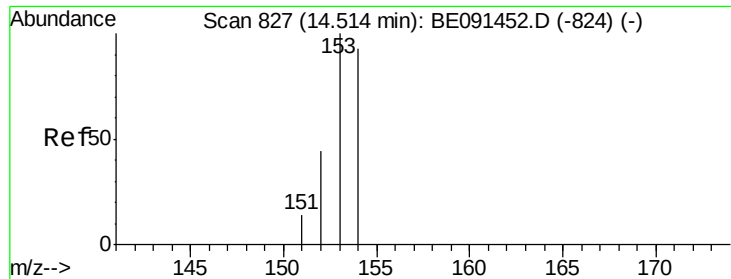
Delta R.T. 0.00 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Tgt Ion:	152	Resp:	304350
Ion Ratio	Lower	Upper	
152	100		
151	19.8	0.0	0.0#
153	13.1	0.0	0.0#





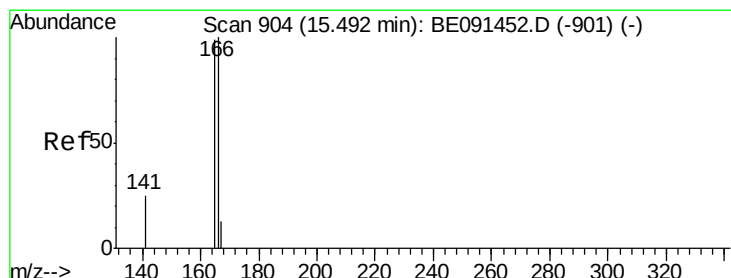
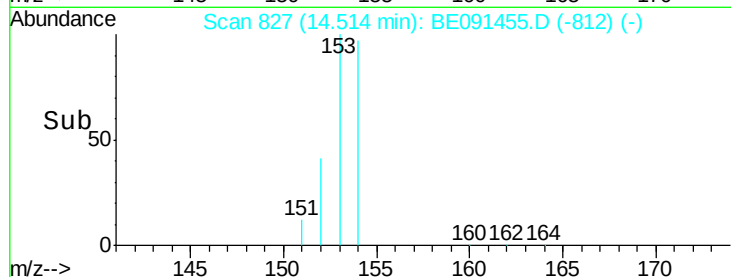
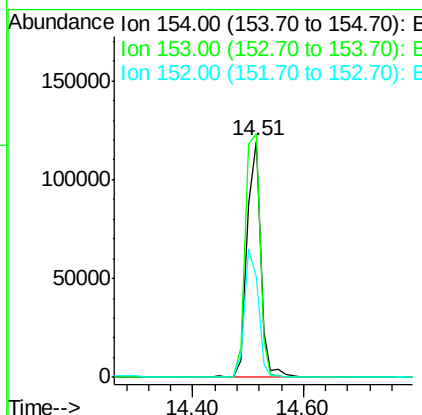
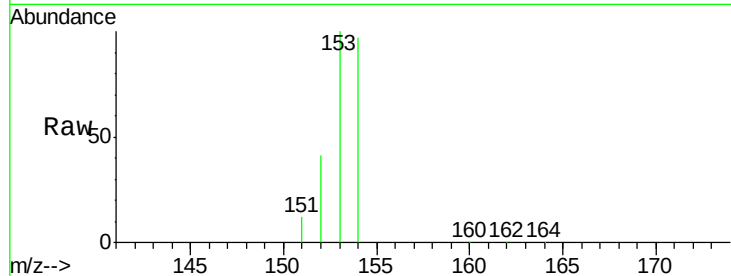
#11
Acenaphthene
Concen: 3.47 ng
RT: 14.51 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

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Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	111.0	0.0	0.0#
152	53.8	0.0	0.0#

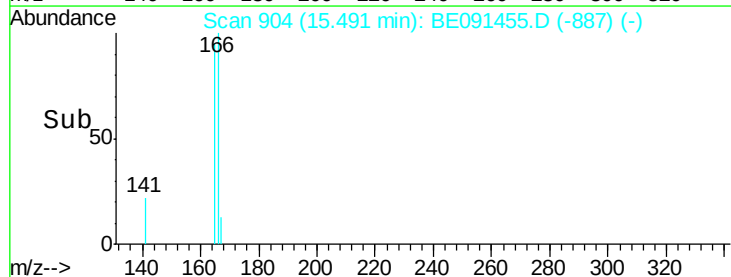
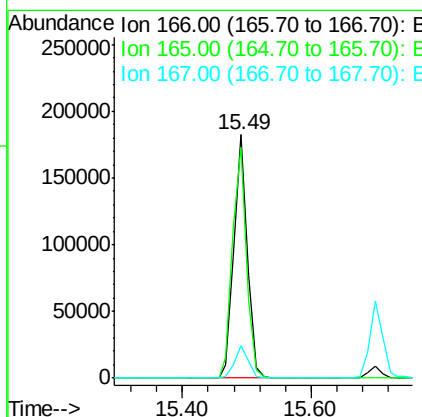
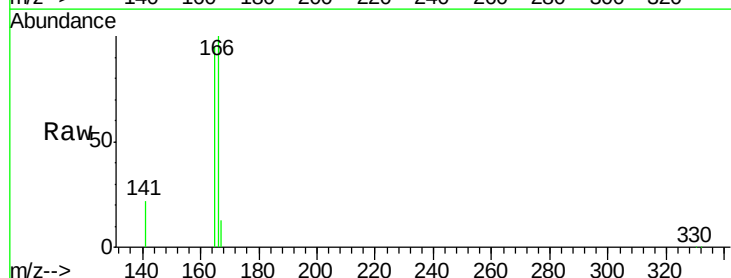
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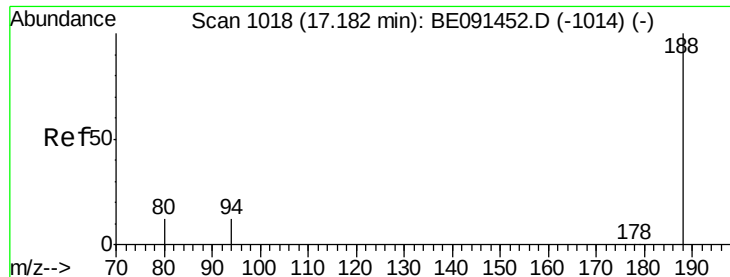
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#12
Fluorene
Concen: 3.42 ng
RT: 15.49 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	98.7	0.0	0.0#
167	13.5	0.0	0.0#





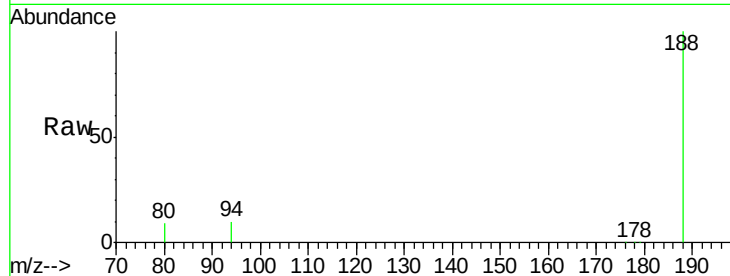
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

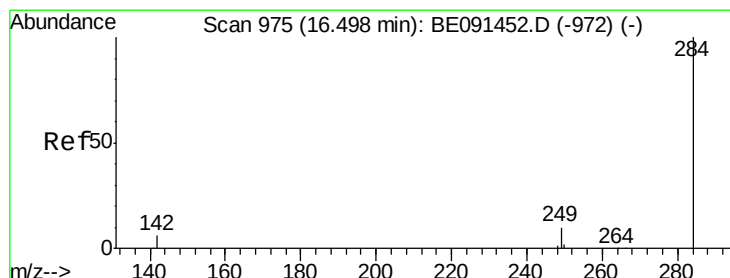
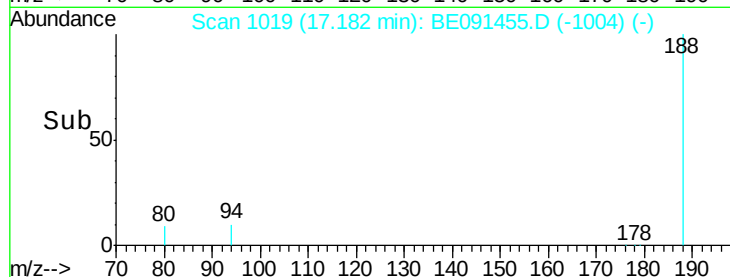
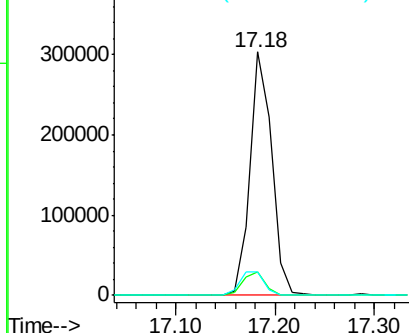
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.5	9.5	14.3#
80	9.4	9.8	14.8#

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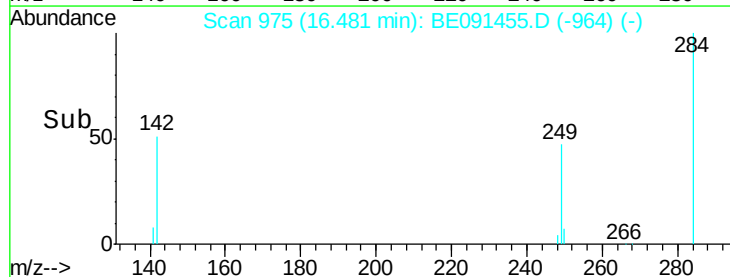
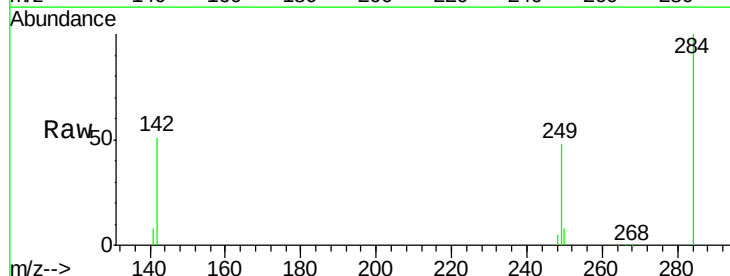
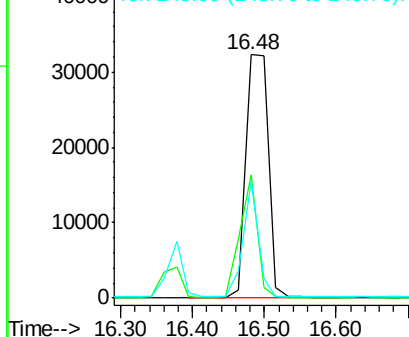
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

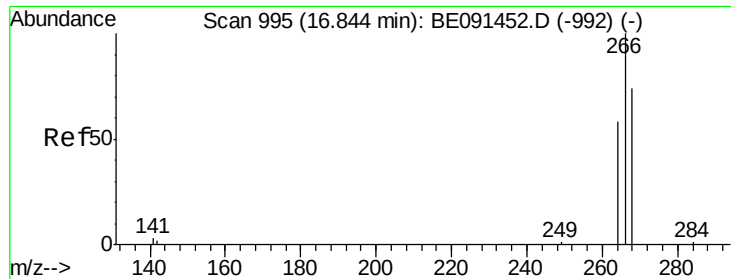


#14
Hexachlorobenzene
Concen: 2.66 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.02 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	38.3	0.0	0.0#
249	31.7	0.0	0.0#

Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





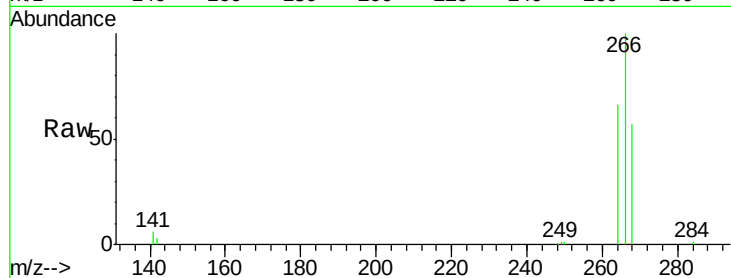
#15
 Pentachlorophenol
 Concen: 5.55 ng
 RT: 16.83 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: BE091455.D
 Acq: 16 Mar 2016 22:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

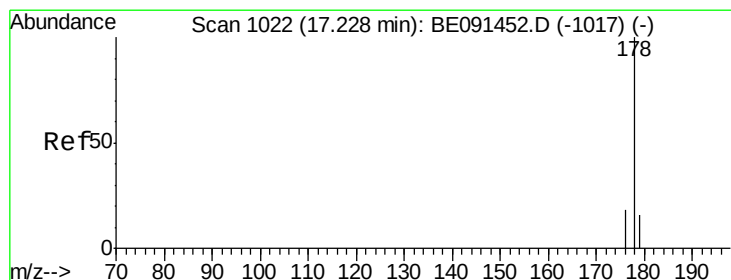
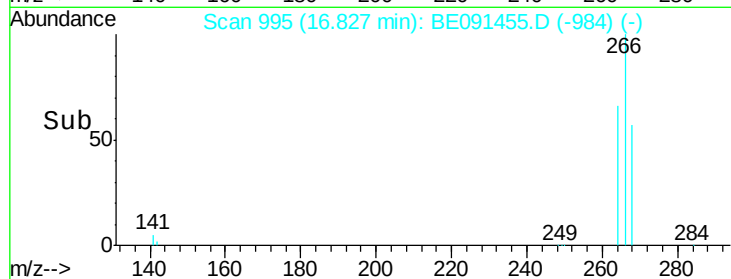
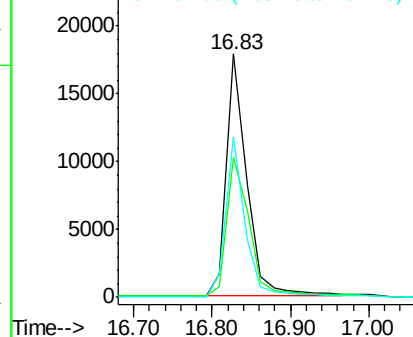
Tgt Ion	Ratio	Lower	Upper
266	100		
268	57.4	61.0	91.6#
264	66.1	45.7	68.5

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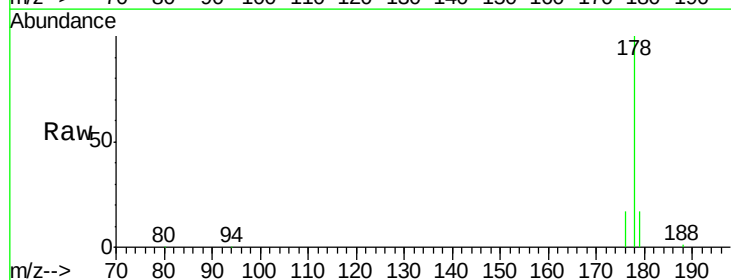


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

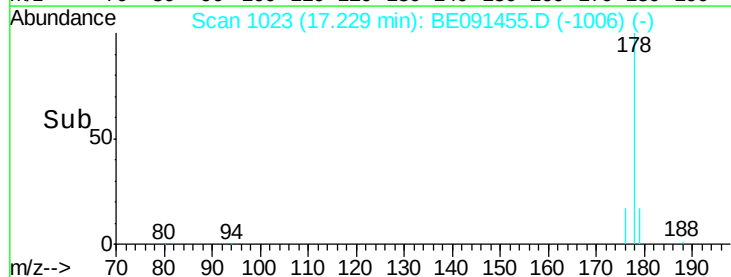
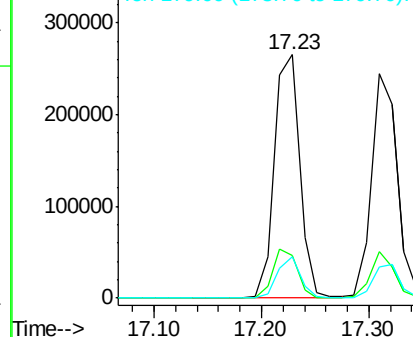


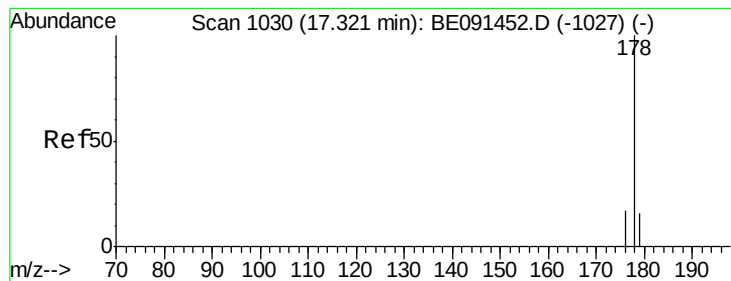
#16
 Phenanthrene
 Concen: 2.78 ng
 RT: 17.23 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BE091455.D
 Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	0.0	0.0#
179	15.4	0.0	0.0#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#17

Anthracene

Concen: 1.82 ng

RT: 17.31 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Instrument :

BNA_E

ClientSampleId :

SSTDICC3.2

Tgt Ion:178 Resp: 409379

Ion Ratio Lower Upper

178 100

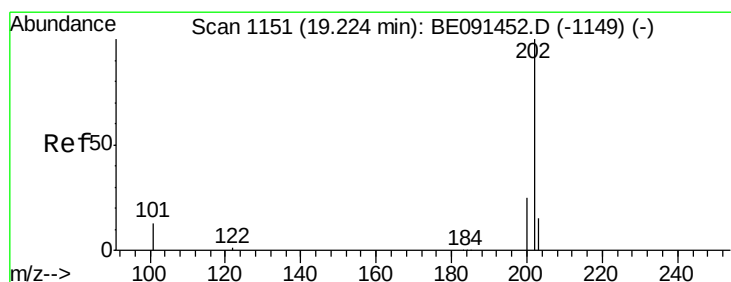
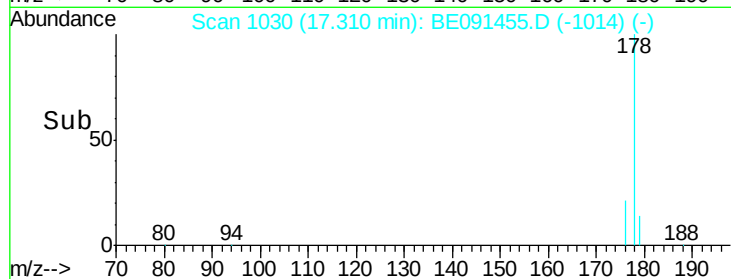
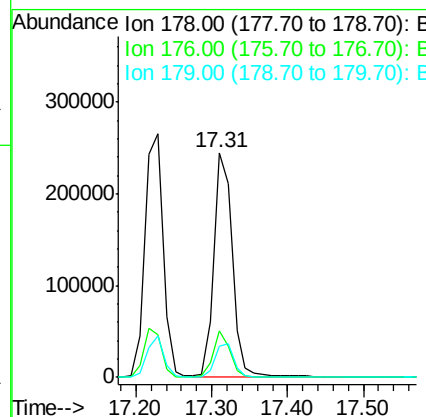
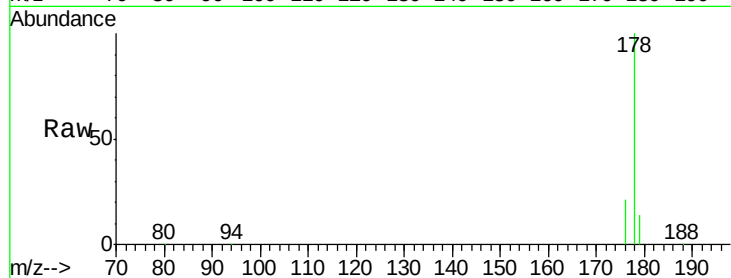
176 18.9 0.0 0.0#

179 15.4 0.0 0.0#

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#18

Fluoranthene

Concen: 2.19 ng

RT: 19.22 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

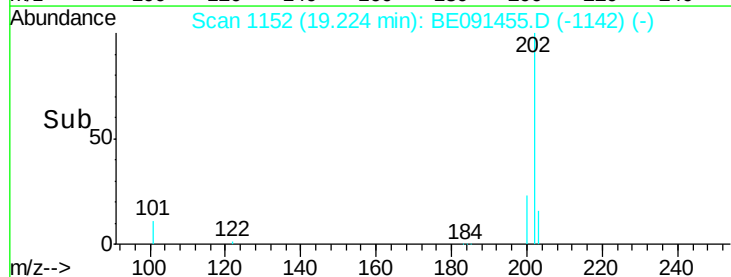
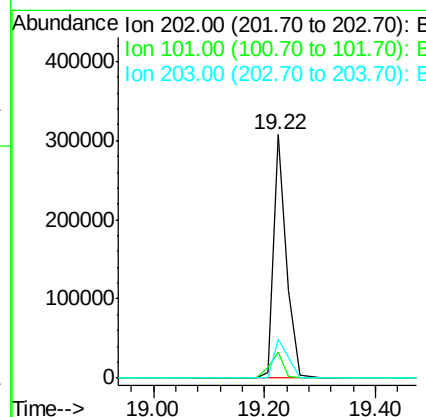
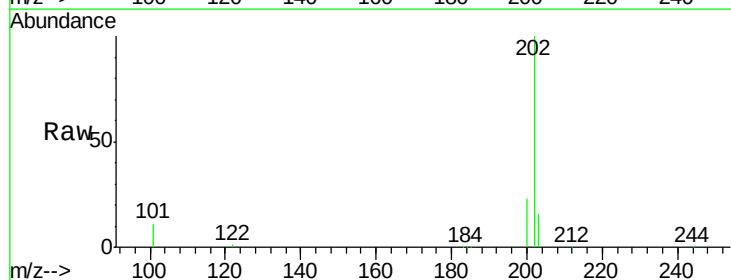
Tgt Ion:202 Resp: 500384

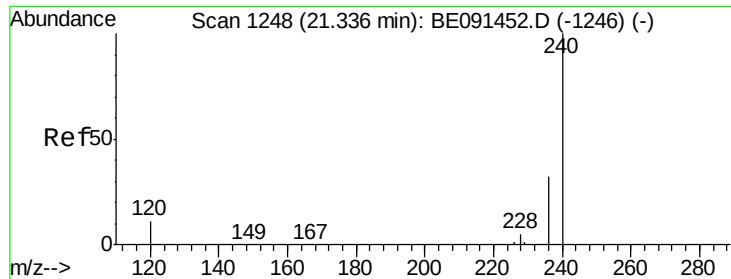
Ion Ratio Lower Upper

202 100

101 11.2 1.1 1.7#

203 17.6 1.0 1.6#





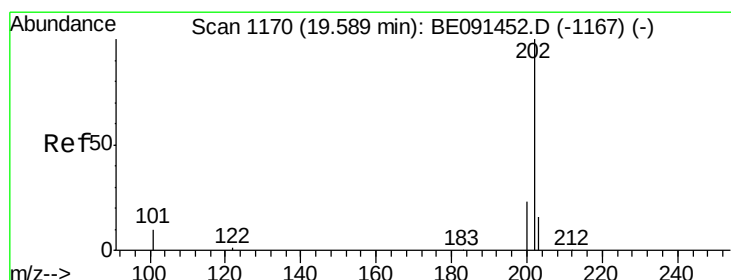
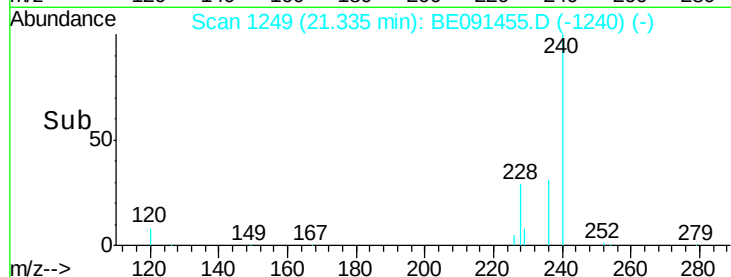
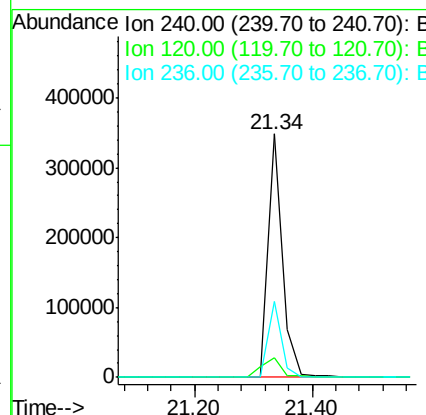
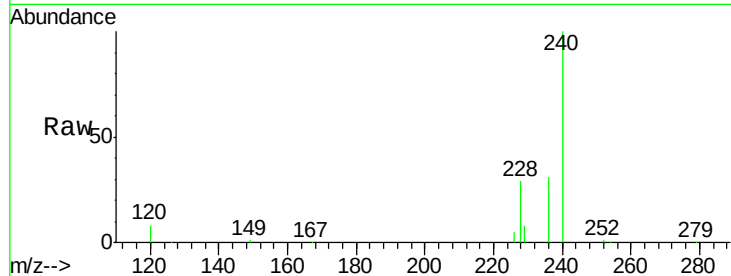
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	591507		
120	8.3	8.8	13.2#	
236	31.1	25.7	38.5	

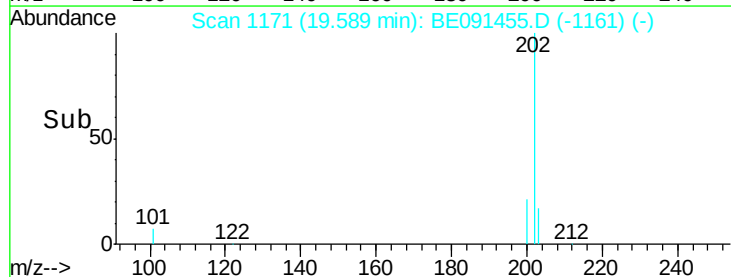
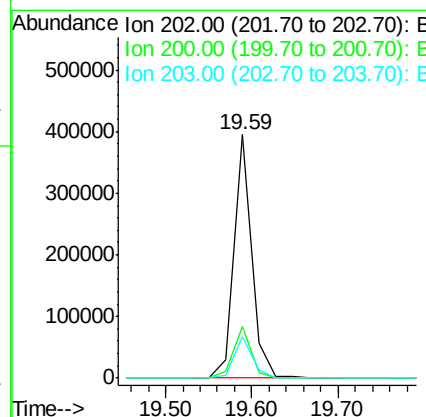
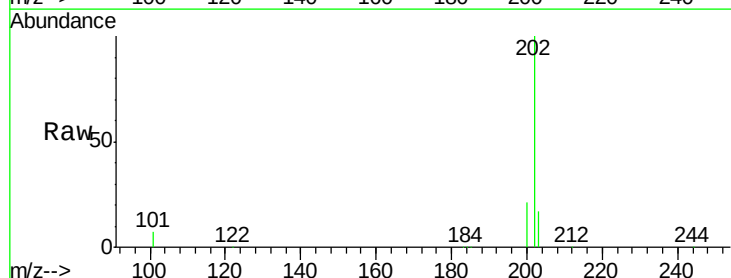
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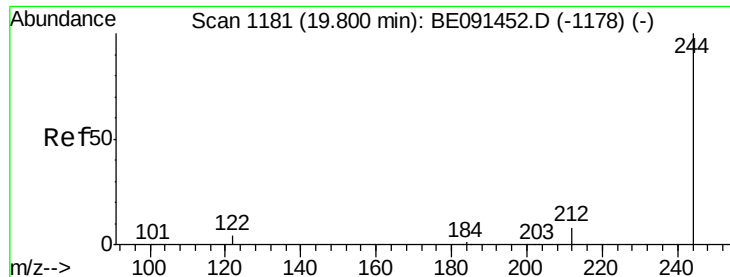
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#20
Pyrene
Concen: 3.37 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	563222		
200	21.3	0.0	0.0#	
203	17.4	0.1	0.1#	





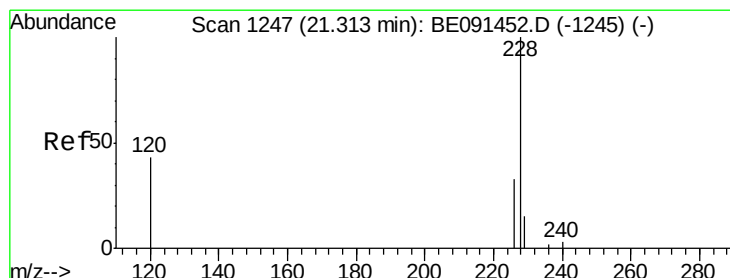
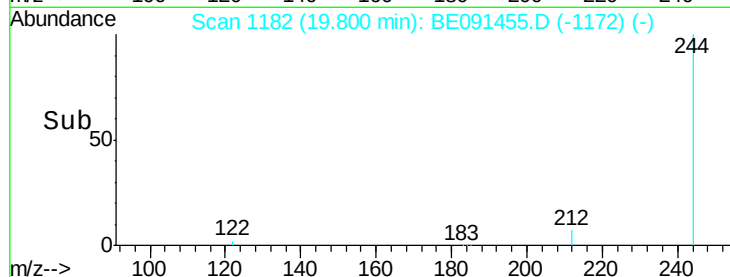
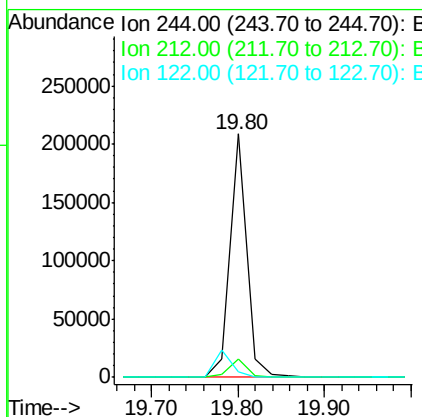
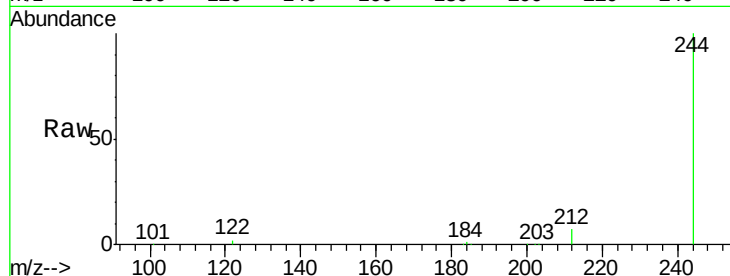
#21
 Terphenyl-d14
 Concen: 3.16 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BE091455.D
 Acq: 16 Mar 2016 22:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.5	6.6	10.0
122	2.1	3.4	5.0

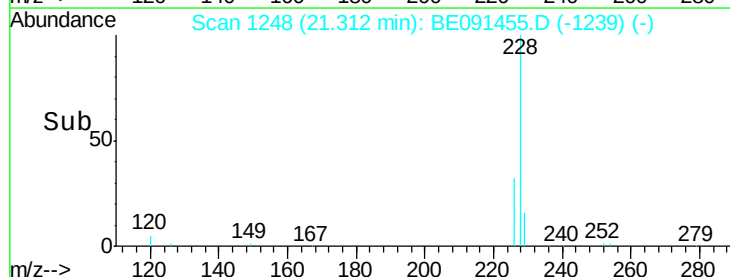
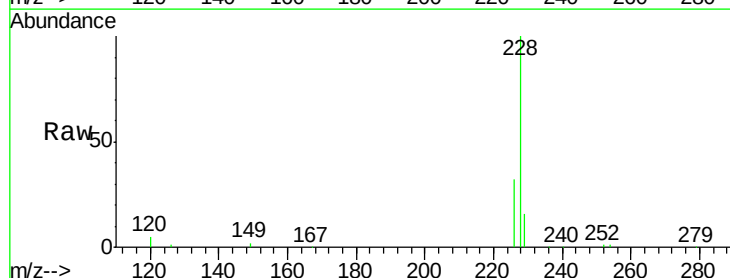
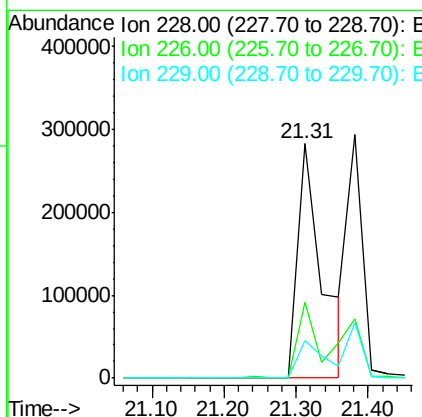
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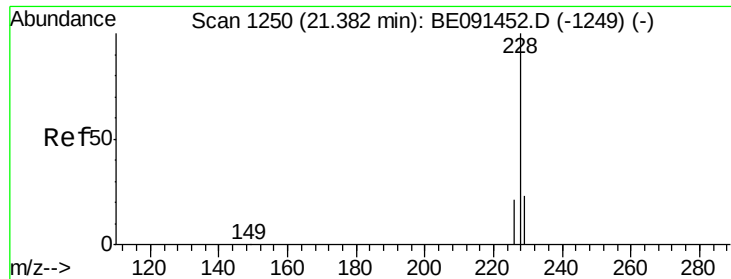
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#22
 Benzo(a)anthracene
 Concen: 3.26 ng
 RT: 21.31 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BE091455.D
 Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.5	27.1	40.7
229	16.3	12.3	18.5





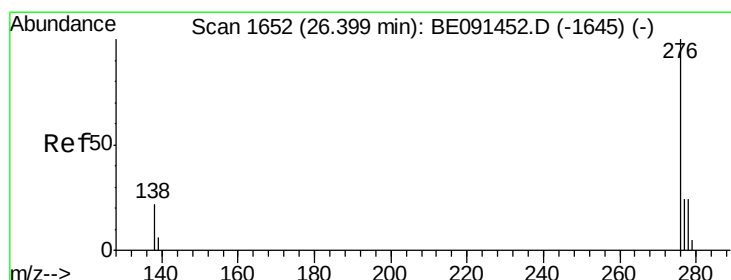
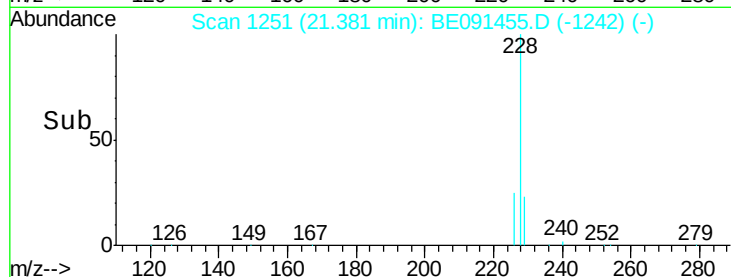
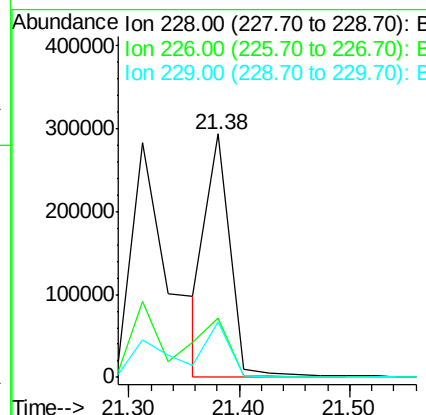
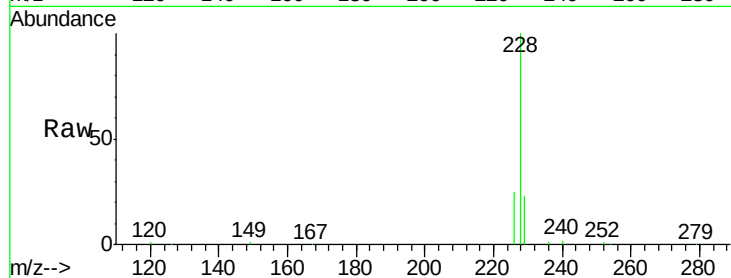
#23
Chrysene
Concen: 2.06 ng m
RT: 21.38 min Scan# 1251
Delta R.T. -0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:	228	Resp:	435113
Ion Ratio	Lower	Upper	
228	100		
226	24.5	20.3	30.5
229	23.0	17.4	26.0

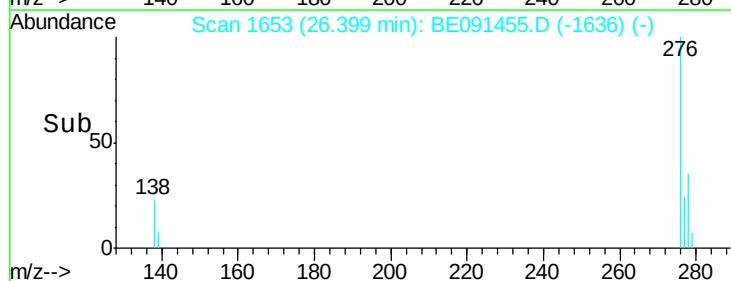
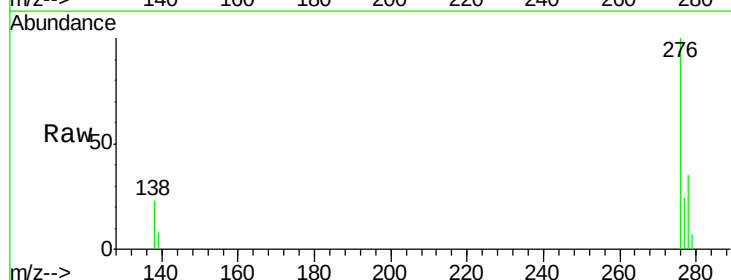
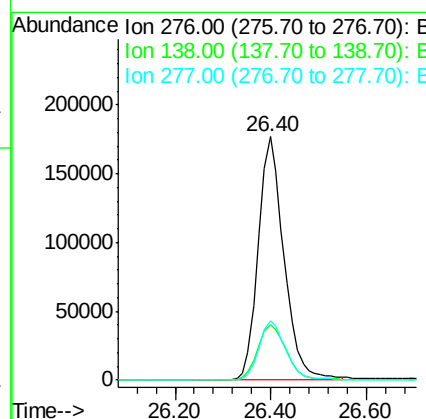
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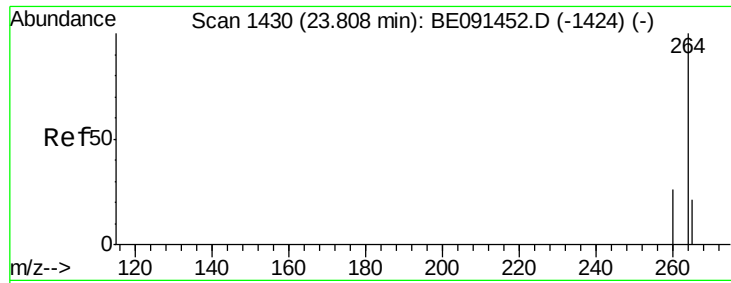
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#24
Indeno(1,2,3-cd)pyrene
Concen: 3.63 ng
RT: 26.40 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Tgt Ion:	276	Resp:	658293
Ion Ratio	Lower	Upper	
276	100		
138	25.1	0.0	0.0#
277	25.0	0.0	0.0#





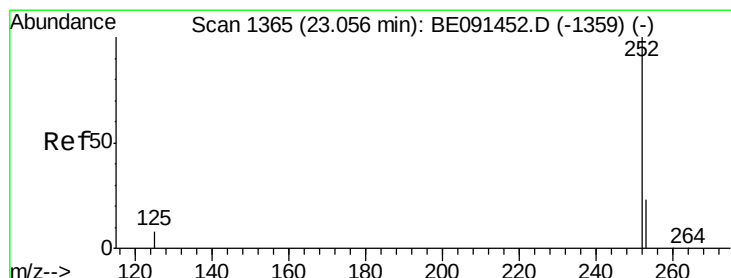
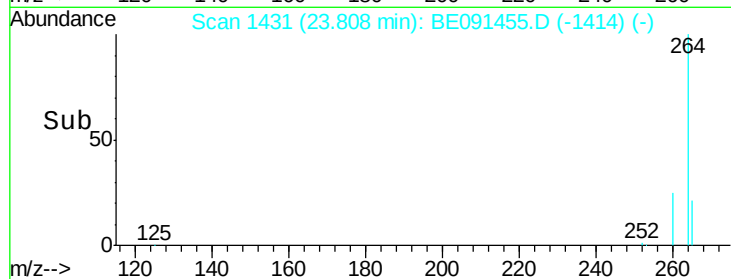
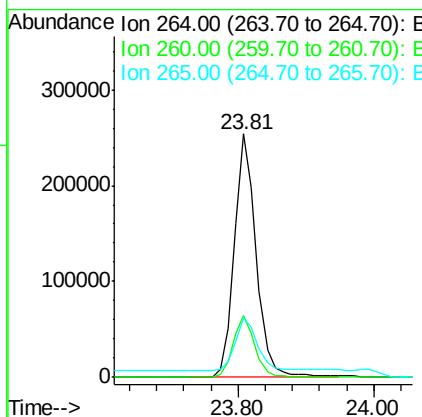
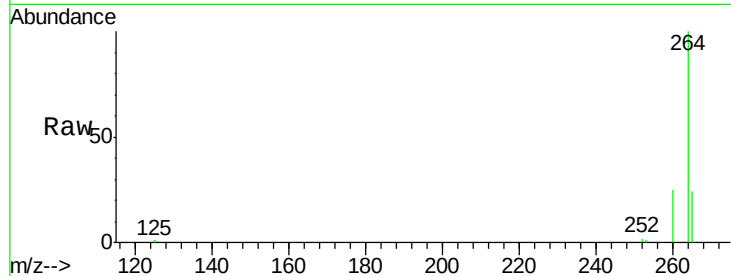
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.81 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE091455.D
 Acq: 16 Mar 2016 22:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	567966		
260	25.3		20.7	31.1
265	24.2		19.4	29.2

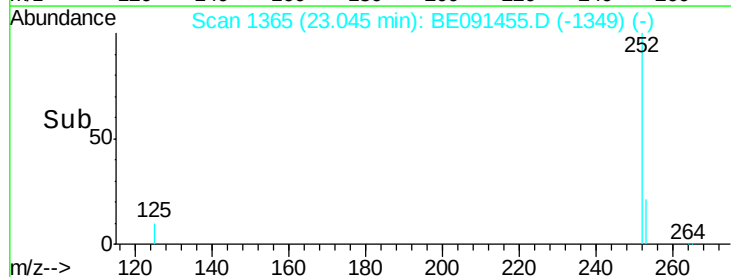
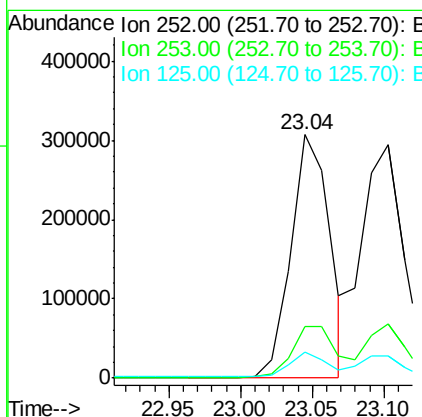
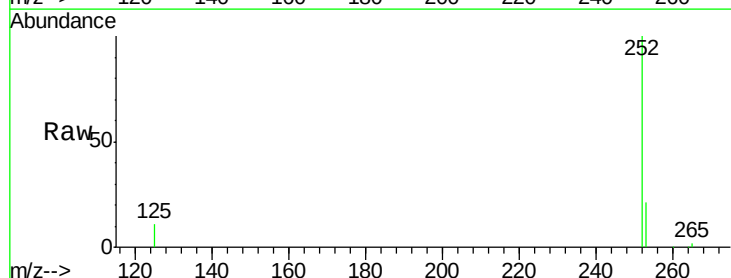
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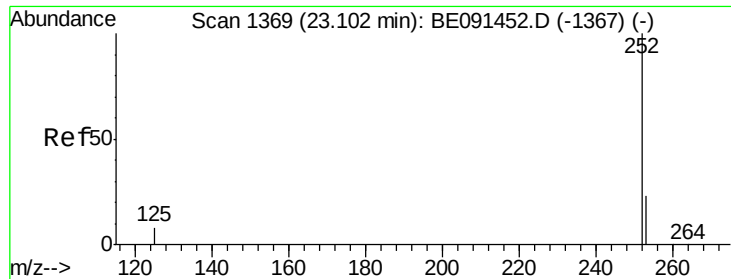
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#26
 Benzo(b)fluoranthene
 Concen: 3.46 ng
 RT: 23.04 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: BE091455.D
 Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	574265		
253	21.1		20.6	30.8
125	10.6		10.2	15.4





#27

Benzo(k)fluoranthene

Concen: 3.99 ng

RT: 23.10 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE091455.D

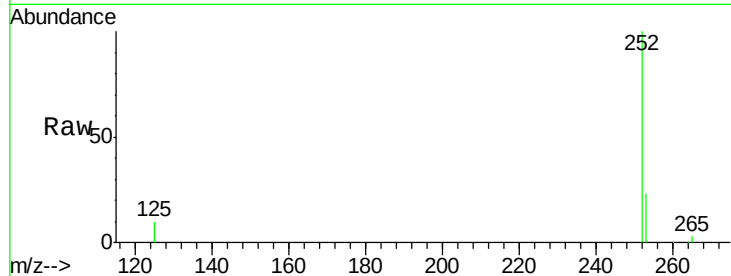
Acq: 16 Mar 2016 22:30

Instrument :

BNA_E

ClientSampleId :

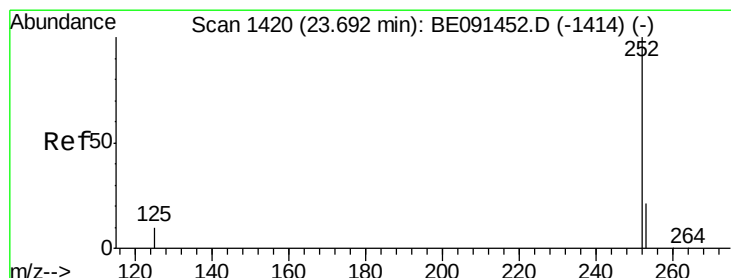
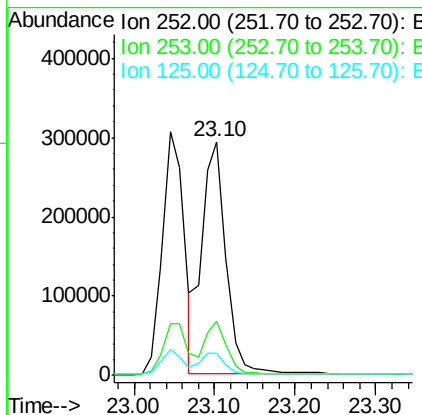
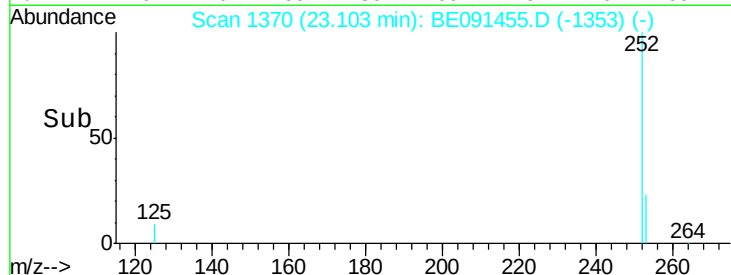
SSTDICC3.2



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	611182		
253	23.0	20.2	30.2	
125	9.5	10.6	16.0	

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#28

Benzo(a)pyrene

Concen: 4.00 ng

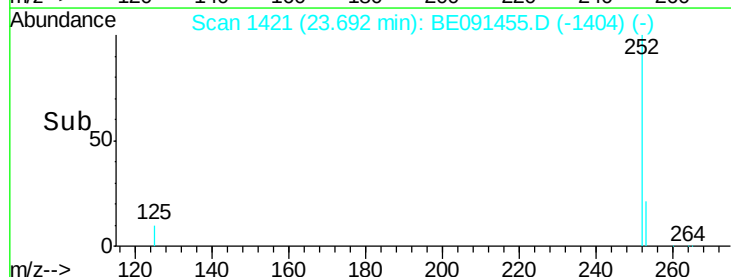
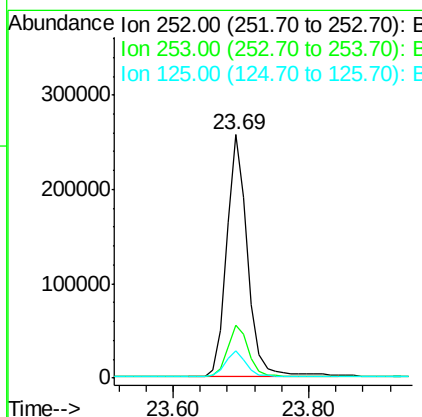
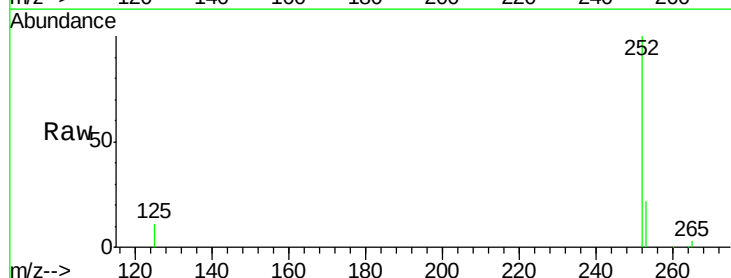
RT: 23.69 min Scan# 1421

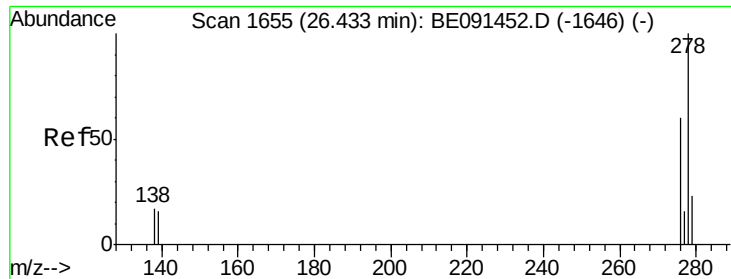
Delta R.T. 0.00 min

Lab File: BE091455.D

Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	559311		
253	21.8	20.0	30.0	
125	11.0	12.7	19.1	





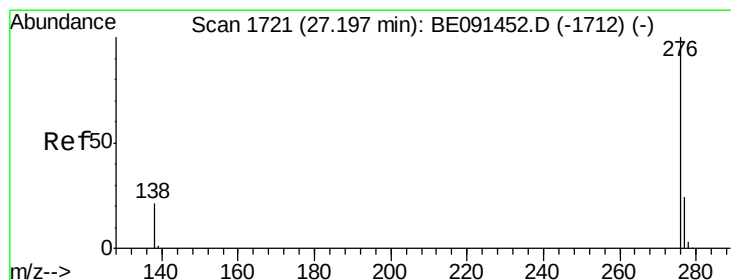
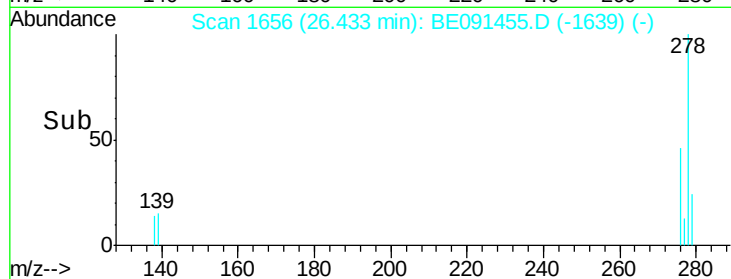
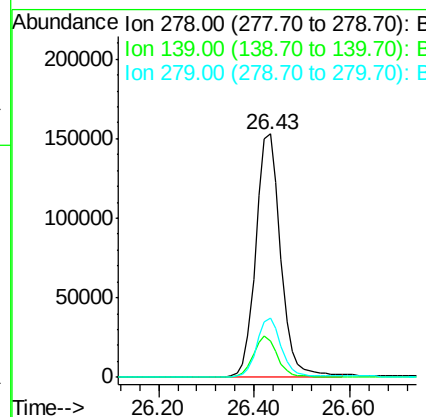
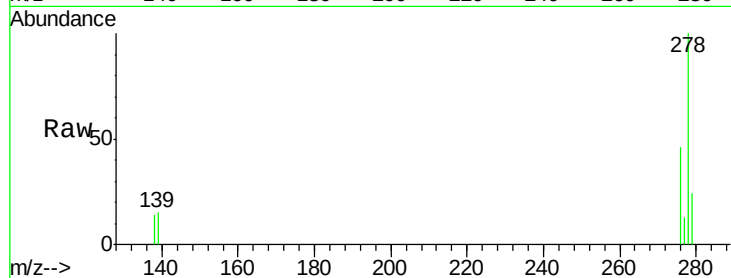
#29
Dibenzo(a,h)anthracene
Concen: 4.11 ng
RT: 26.43 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	552005		
139	14.7		13.3	19.9
279	24.5		20.9	31.3

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#30
Benzo(g,h,i)perylene
Concen: 3.89 ng
RT: 27.20 min Scan# 1722
Delta R.T. 0.00 min
Lab File: BE091455.D
Acq: 16 Mar 2016 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	559143		
277	23.6		19.8	29.8
138	21.1		17.6	26.4

