

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
 Data File : BE091453.D
 Acq On : 16 Mar 2016 21:16
 Operator : UM/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

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

Quant Time: Mar 17 07:15:57 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	69285	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	314989	5.00	ng	0.00
8) Acenaphthene-d10	14.45	164	187724	5.00	ng	0.00
13) Phenanthrene-d10	17.18	188	474071	5.00	ng	0.00
19) Chrysene-d12	21.34	240	583809	5.00	ng	0.00
25) Perylene-d12	23.81	264	598642	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	10075	0.69	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	37256	0.82	ng	0.00
21) Terphenyl-d14	19.80	244	64188	0.73	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	6305	0.99	ng	# 100
3) n-Nitrosodimethylamine	3.68	42	9751	1.32	ng	# 100
6) Naphthalene	10.67	128	58997	0.81	ng	99
7) 2-Methylnaphthalene	12.27	142	38178	0.88	ng	97
10) Acenaphthylene	14.16	152	58629	0.21	ng	# 100
11) Acenaphthene	14.51	154	44575	0.79	ng	# 100
12) Fluorene	15.49	166	56919	0.78	ng	# 100
14) Hexachlorobenzene	16.48	284	15215	0.57	ng	# 100
15) Pentachlorophenol	16.83	266	5834	0.98	ng	# 79
16) Phenanthrene	17.23	178	102523	0.63	ng	# 100
17) Anthracene	17.32	178	88610	0.38	ng	# 100
18) Fluoranthene	19.22	202	115428	0.49	ng	# 67
20) Pyrene	19.59	202	126286	0.76	ng	# 93
22) Benzo(a)anthracene	21.31	228	150769	0.75	ng	100
23) Chrysene	21.38	228	129421m	0.62	ng	
24) Indeno(1,2,3-cd)pyrene	26.40	276	150661	0.84	ng	# 100
26) Benzo(b)fluoranthene	23.04	252	153115	0.88	ng	95
27) Benzo(k)fluoranthene	23.10	252	135175	0.84	ng	96
28) Benzo(a)pyrene	23.69	252	126171	0.86	ng	96
29) Dibenzo(a,h)anthracene	26.43	278	125031	0.88	ng	99
30) Benzo(g,h,i)perylene	27.20	276	133041	0.88	ng	98

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

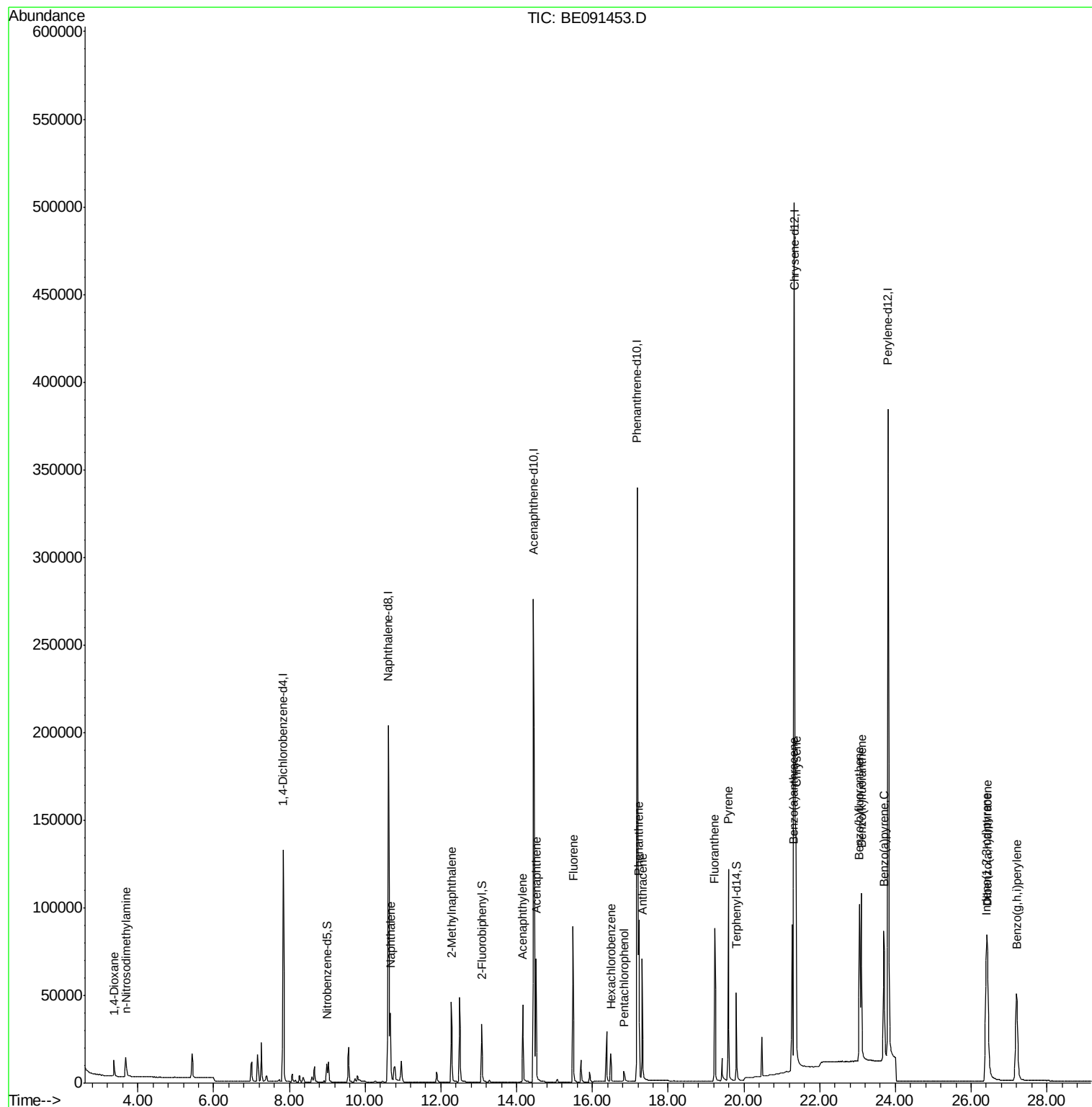
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
Data File : BE091453.D
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Operator : UM/SJ
Sample : SSTDIC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

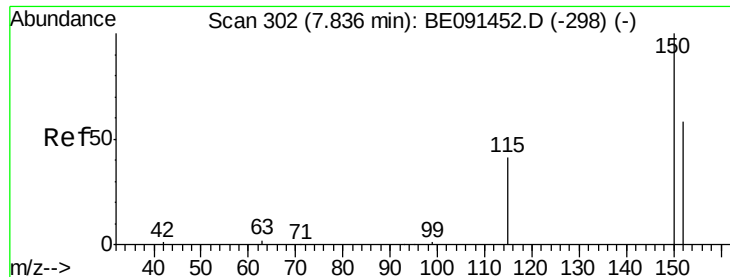
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

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Quant Time: Mar 17 07:15:57 2016
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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: BE091453.D

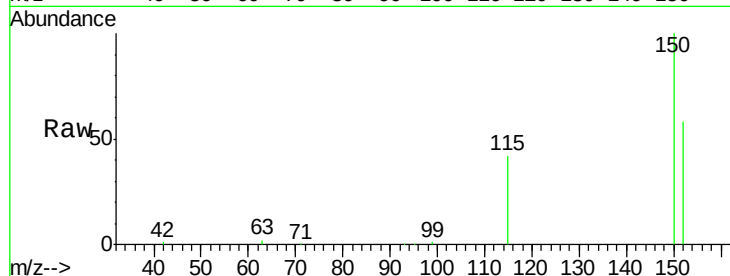
Acq: 16 Mar 2016 21:16

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8



Tgt Ion:152 Resp: 69285

Ion Ratio Lower Upper

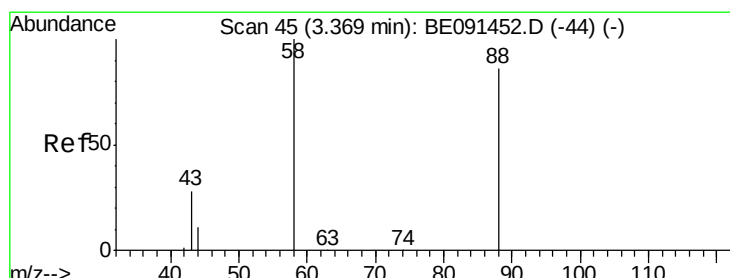
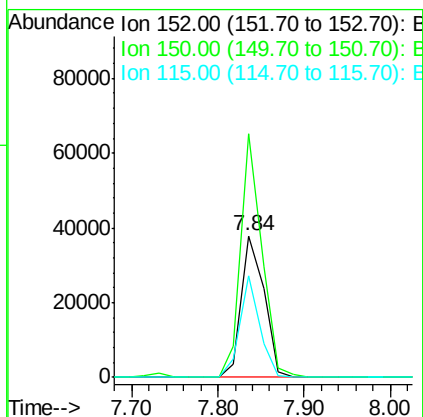
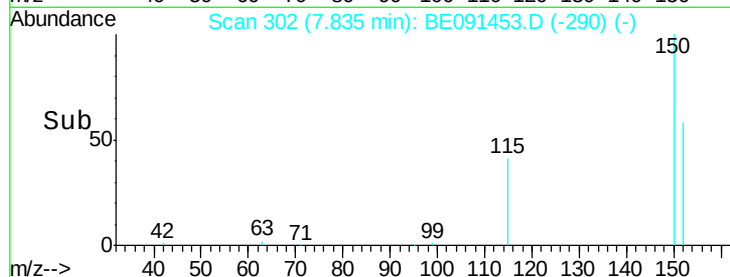
152 100

150 171.8 136.8 205.2

115 71.4 56.9 85.3

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#2

1,4-Dioxane

Concen: 0.99 ng

RT: 3.37 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

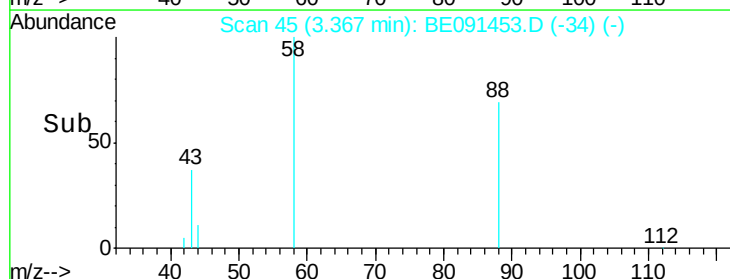
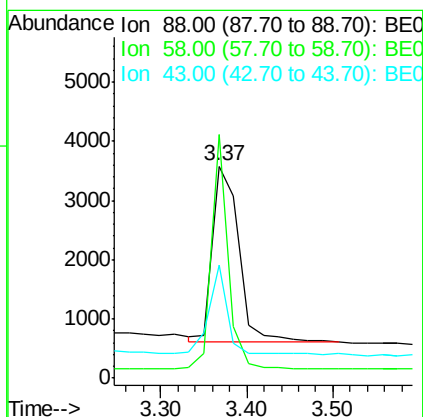
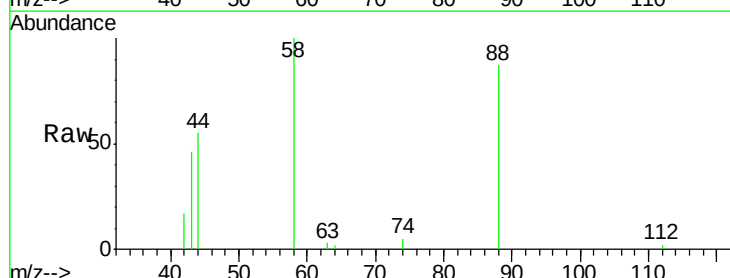
Tgt Ion: 88 Resp: 6305

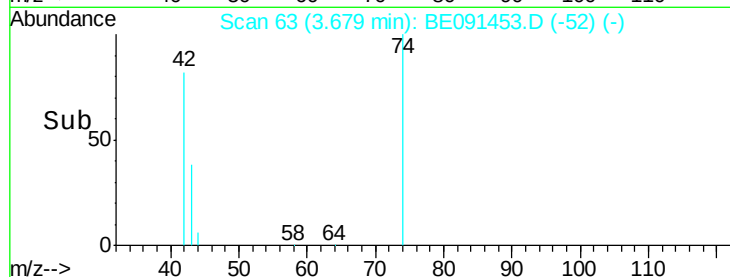
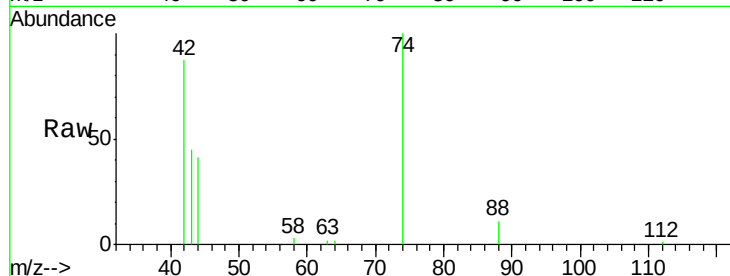
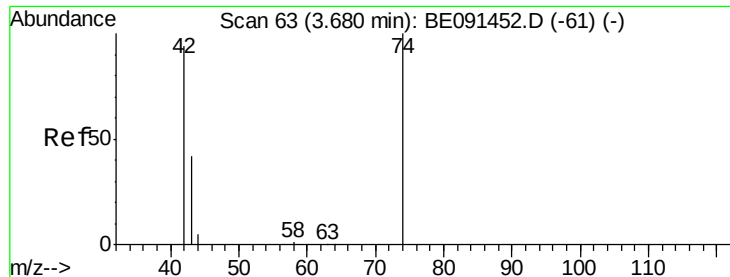
Ion Ratio Lower Upper

88 100

58 83.7 0.0 0.0#

43 37.1 0.0 0.0#





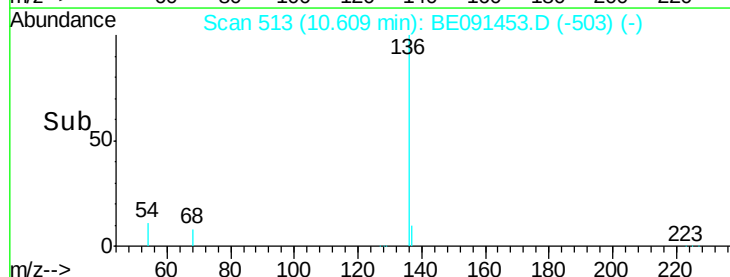
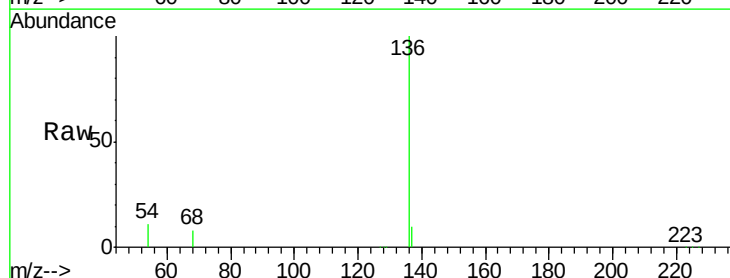
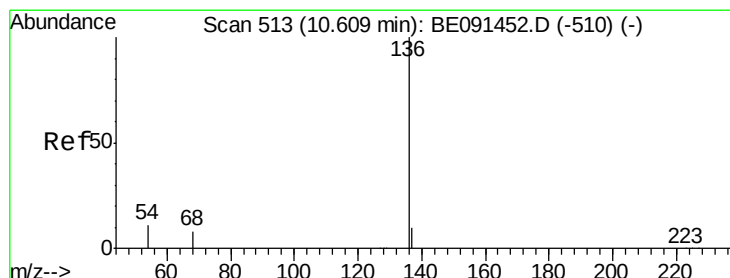
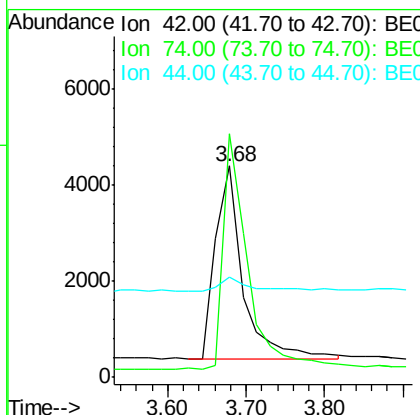
#3
n-Nitrosodimethylamine
Concen: 1.32 ng
RT: 3.68 min Scan# 63
Delta R.T. -0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Lower	Upper
42	100		
74	106.9	0.0	0.0#
44	7.5	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

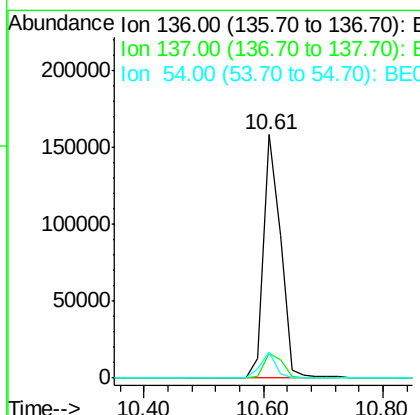
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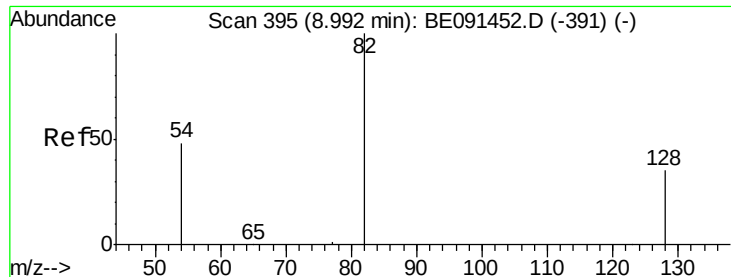
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#4
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.0	12.0
54	10.7	9.1	13.7





#5

Nitrobenzene-d5

Concen: 0.69 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Instrument :

BNA_E

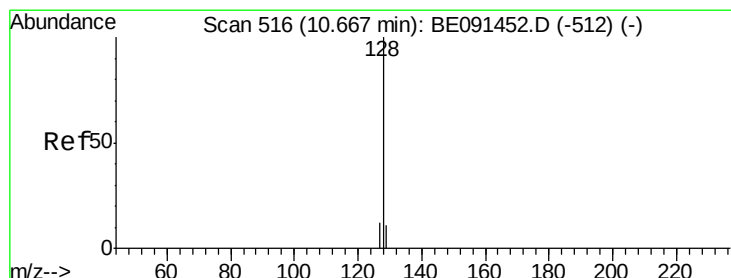
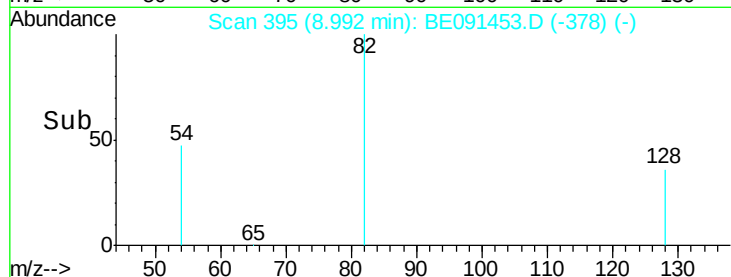
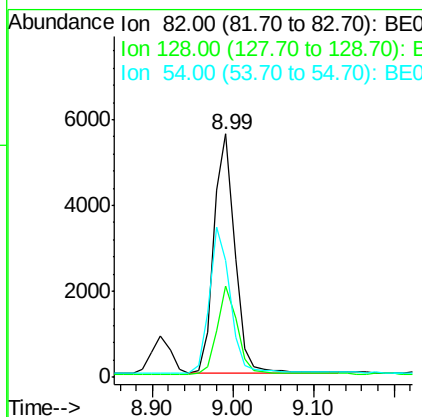
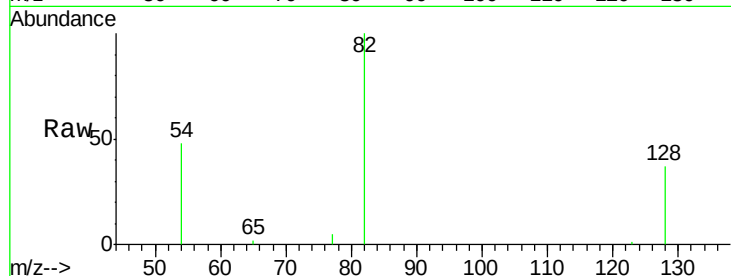
ClientSampleId :

SSTDICC0.8

Tgt Ion	82	Resp	10075
Ion Ratio	Lower	Upper	
82	100		
128	37.3	29.4	44.2
54	48.2	39.8	59.8

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#6

Naphthalene

Concen: 0.81 ng

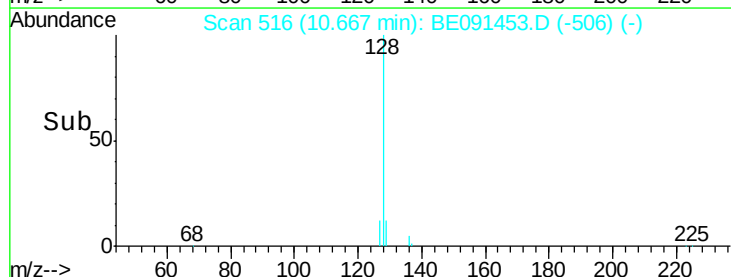
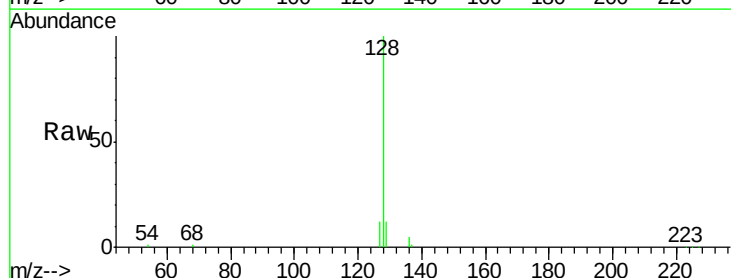
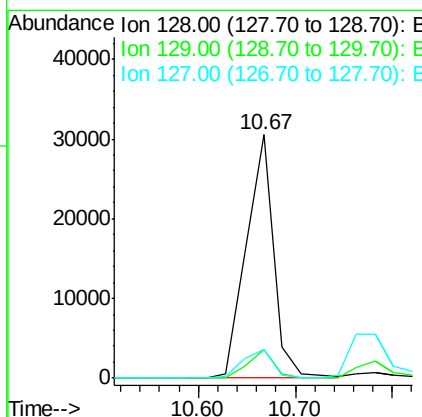
RT: 10.67 min Scan# 516

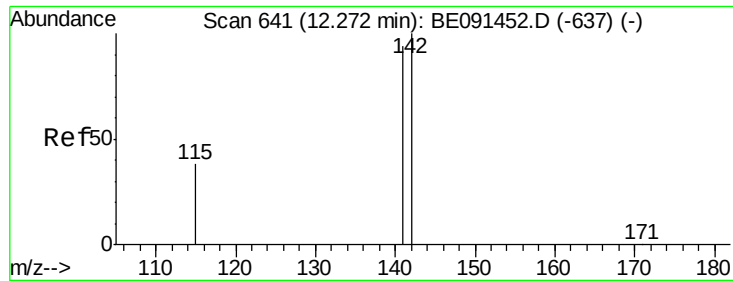
Delta R.T. 0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Tgt Ion	128	Resp	58997
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.4	14.0
127	11.8	9.7	14.5





#7

2-Methylnaphthalene

Concen: 0.88 ng

RT: 12.27 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Instrument :

BNA_E

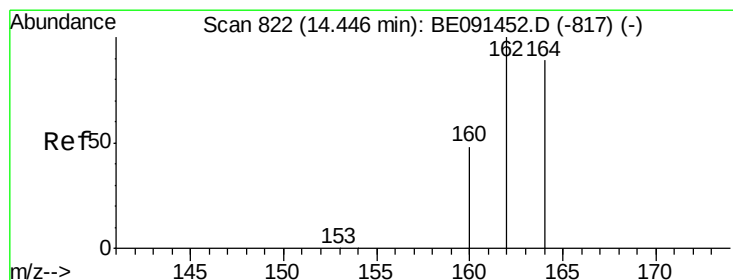
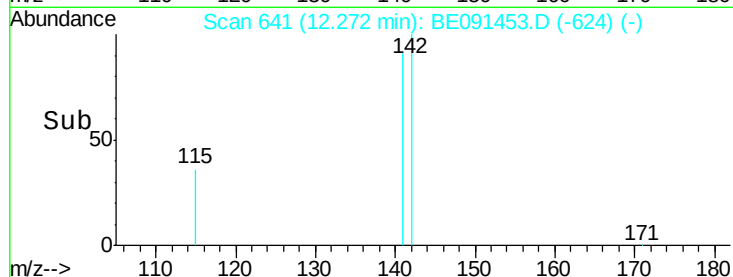
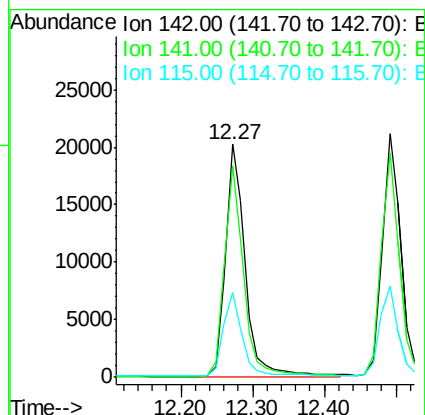
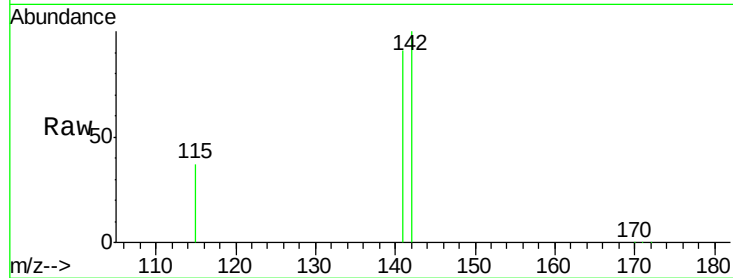
ClientSampleId :

SSTDIC0.8

Tgt Ion:	142	Resp:	38178
Ion Ratio	Lower	Upper	
142	100		
141	90.7	75.0	112.4
115	36.6	30.8	46.2

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#8

Acenaphthene-d10

Concen: 5.00 ng

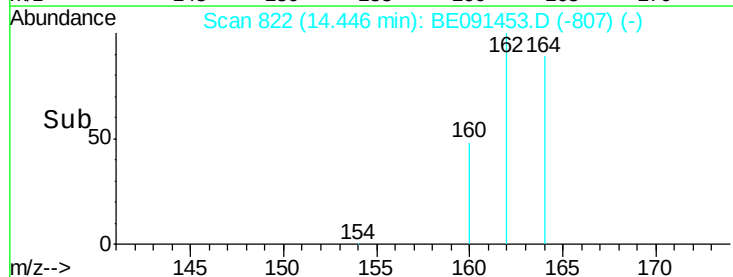
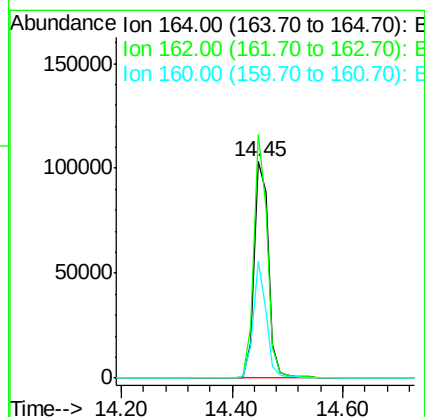
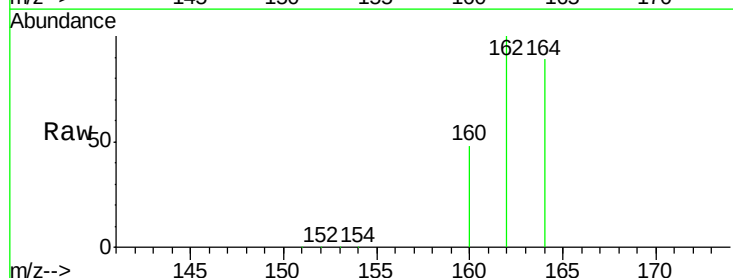
RT: 14.45 min Scan# 822

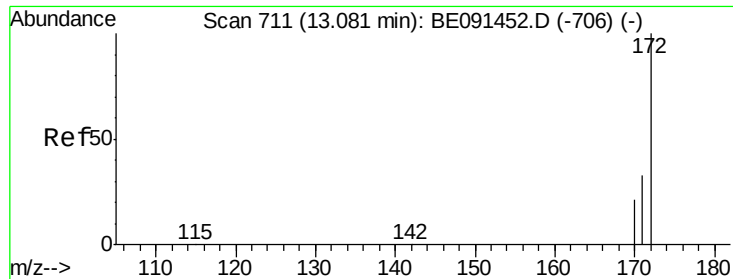
Delta R.T. 0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Tgt Ion:	164	Resp:	187724
Ion Ratio	Lower	Upper	
164	100		
162	112.5	89.8	134.8
160	54.1	43.1	64.7





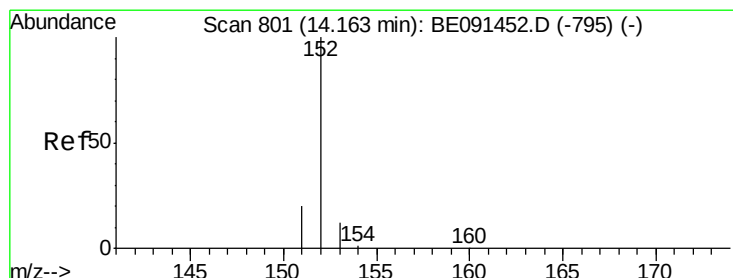
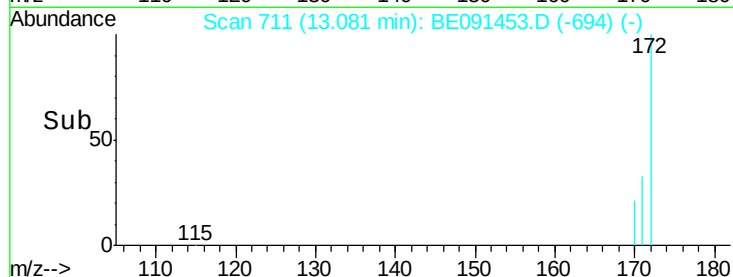
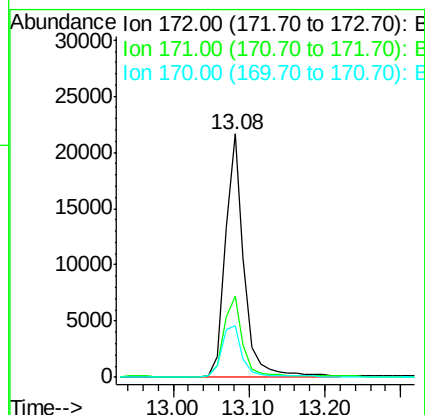
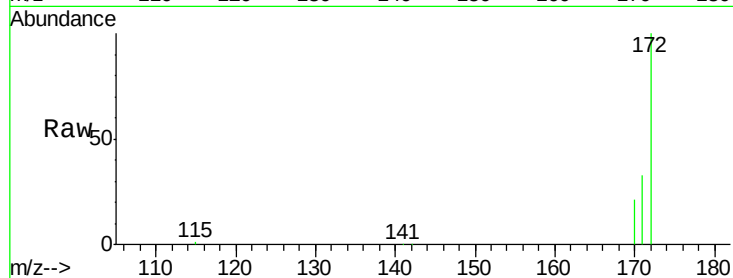
#9
2-Fluorobiphenyl
Concen: 0.82 ng
RT: 13.08 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.7	40.1
170	21.1	17.4	26.2

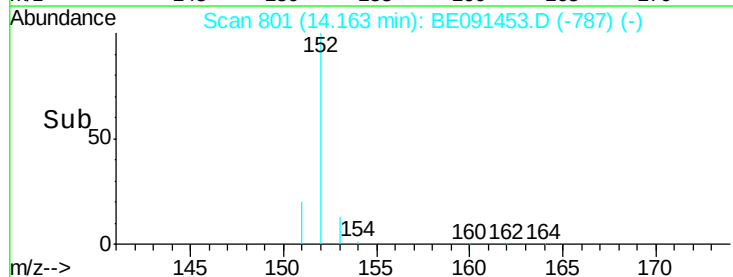
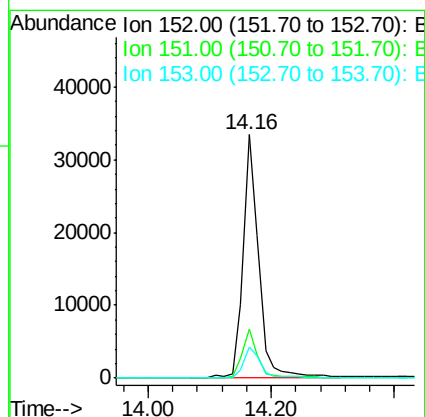
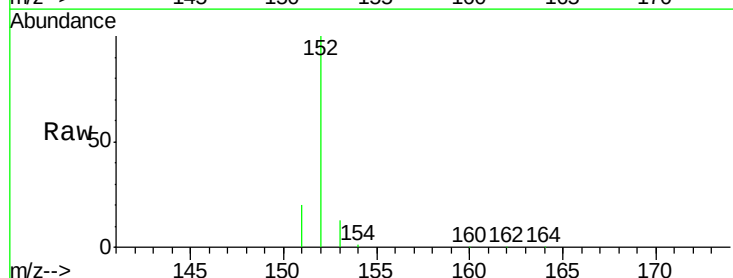
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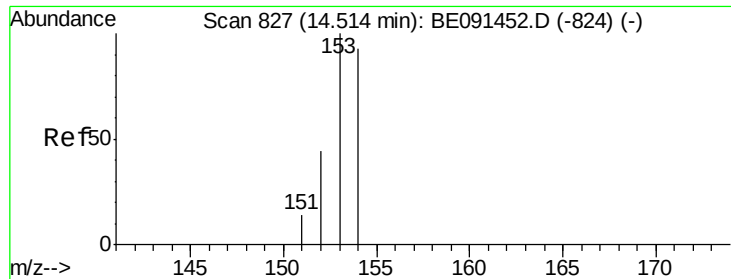
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#10
Acenaphthylene
Concen: 0.21 ng
RT: 14.16 min Scan# 801
Delta R.T. 0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	0.0	0.0#
153	13.4	0.0	0.0#





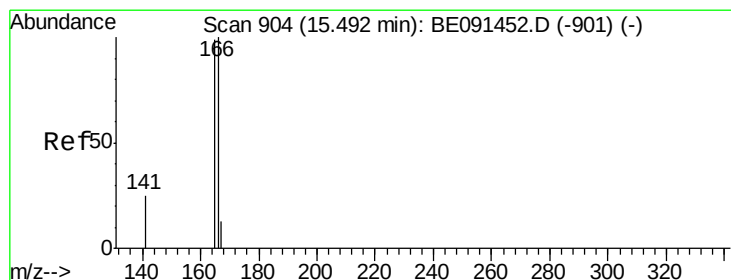
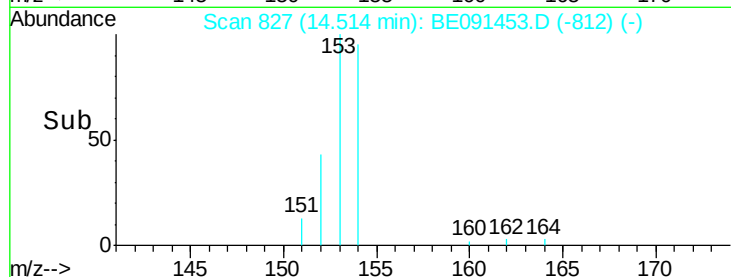
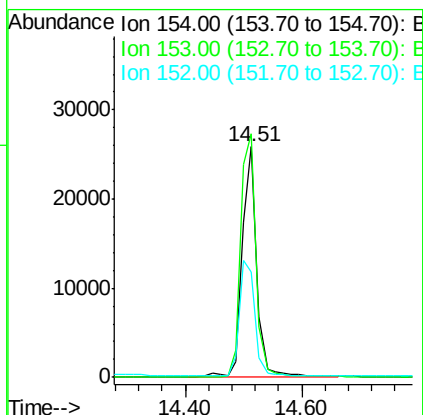
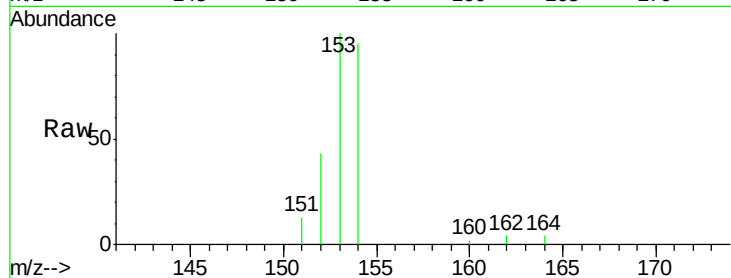
#11
Acenaphthene
Concen: 0.79 ng
RT: 14.51 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.7	0.0	0.0	0.0
152	54.2	0.0	0.0	0.0

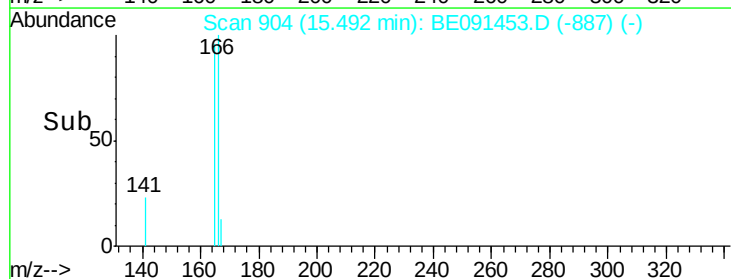
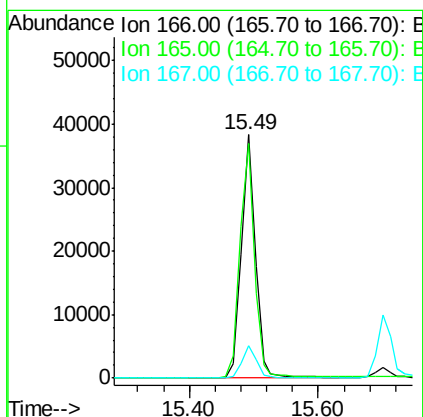
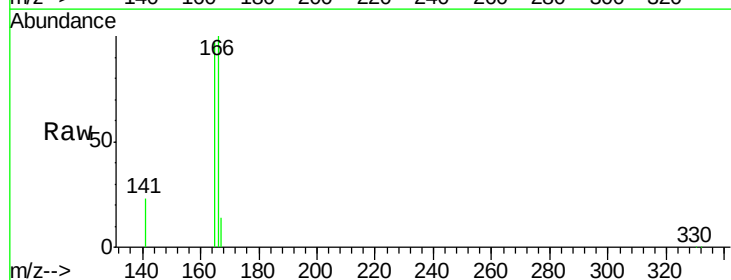
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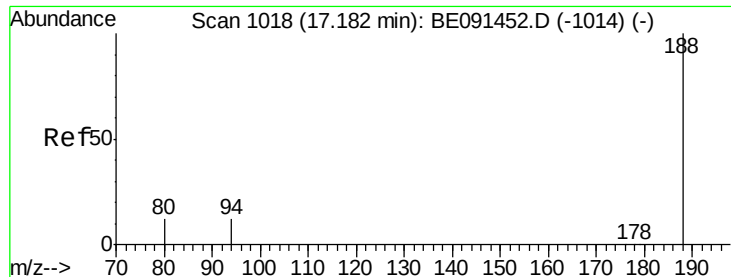
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#12
Fluorene
Concen: 0.78 ng
RT: 15.49 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.4	0.0	0.0	0.0
167	13.4	0.0	0.0	0.0





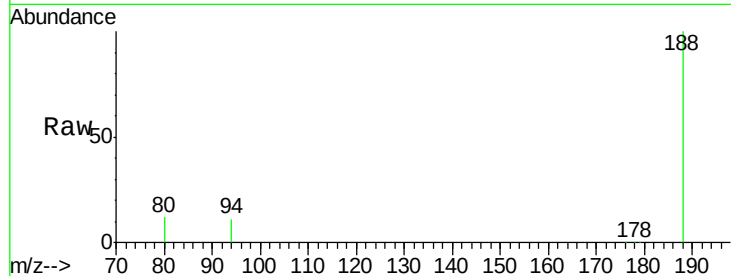
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

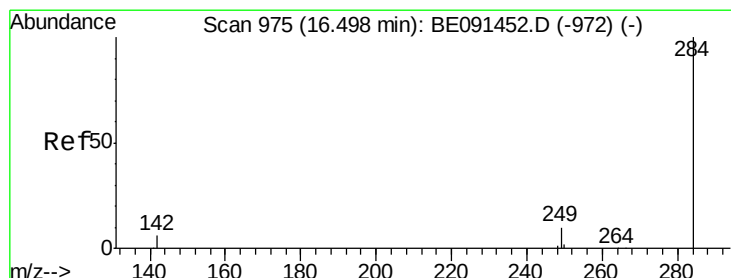
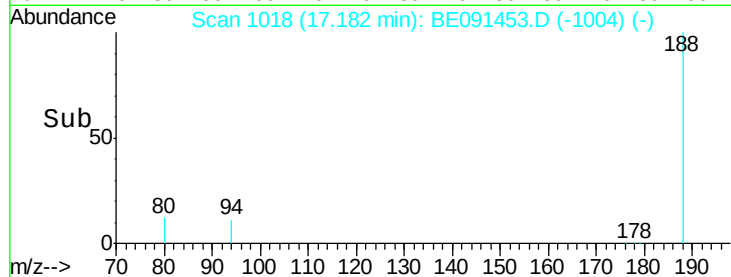
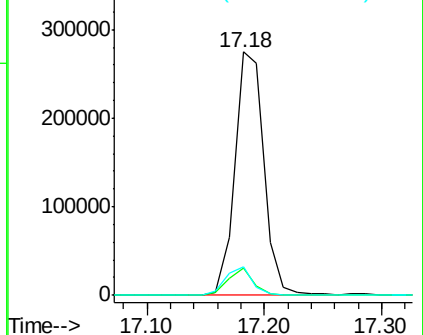
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.3	9.5	14.3
80	11.8	9.8	14.8

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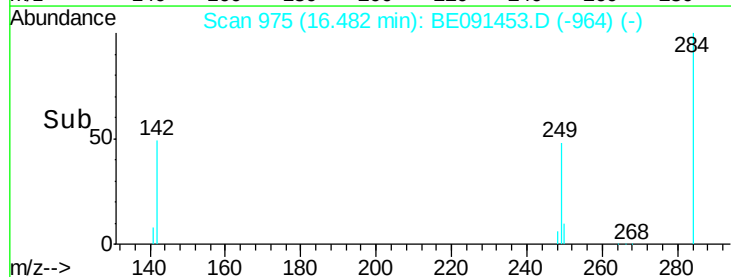
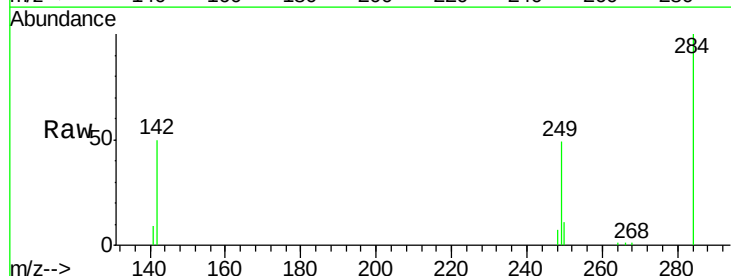
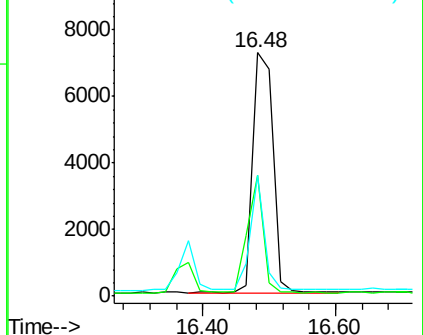
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

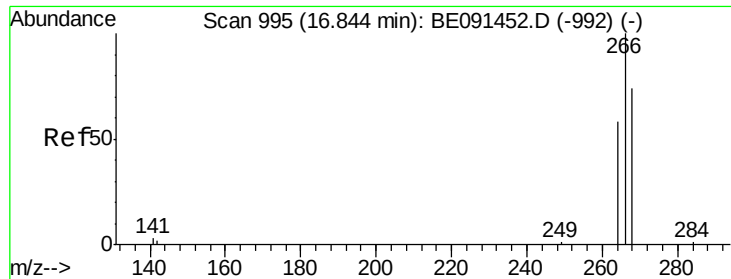


#14
Hexachlorobenzene
Concen: 0.57 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.02 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	38.3	0.0	0.0#
249	32.7	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





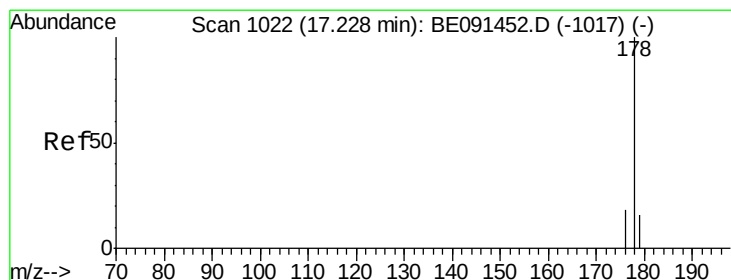
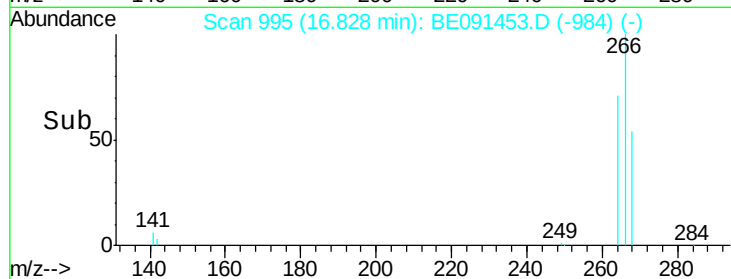
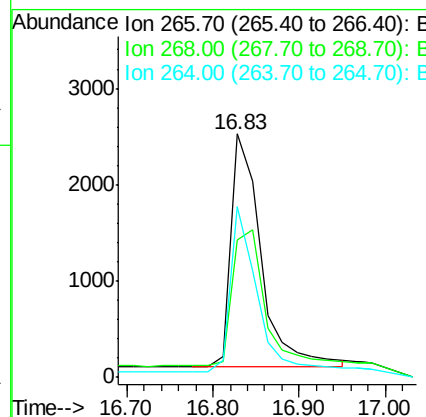
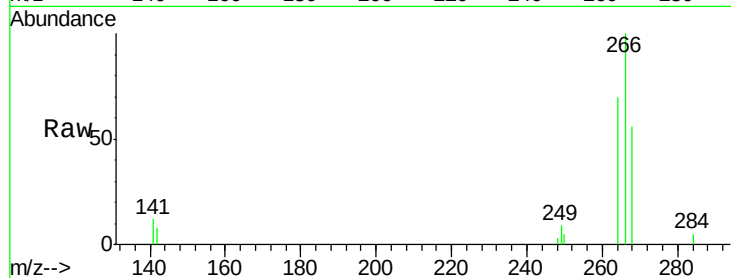
#15
 Pentachlorophenol
 Concen: 0.98 ng
 RT: 16.83 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: BE091453.D
 Acq: 16 Mar 2016 21:16

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
266	100		
268	56.2	61.0	91.6#
264	70.2	45.7	68.5#

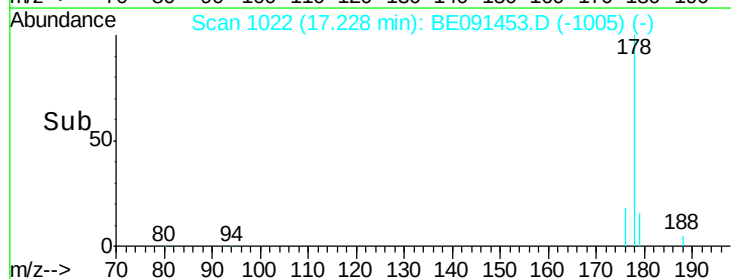
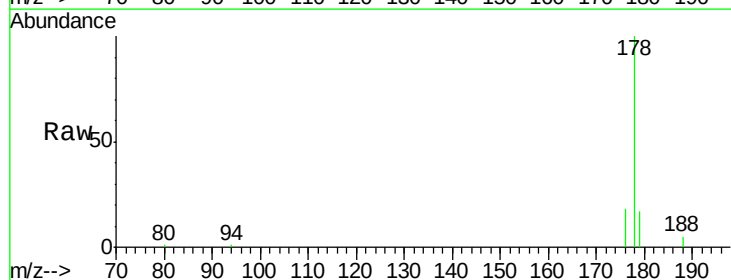
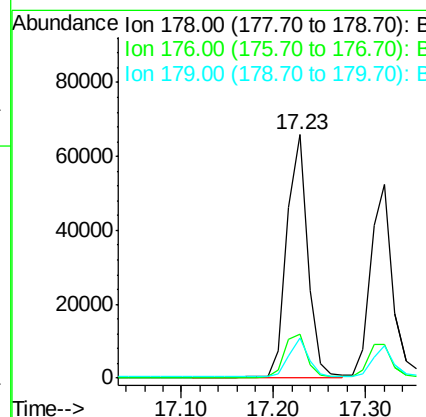
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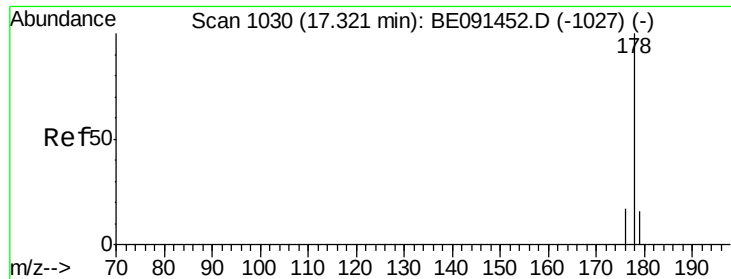
Sohil
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#16
 Phenanthrene
 Concen: 0.63 ng
 RT: 17.23 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BE091453.D
 Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	0.0	0.0#
179	15.8	0.0	0.0#





#17

Anthracene

Concen: 0.38 ng

RT: 17.32 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tgt Ion:178 Resp: 88610

Ion Ratio Lower Upper

178 100

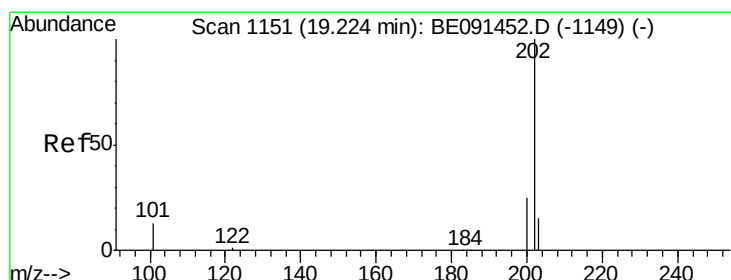
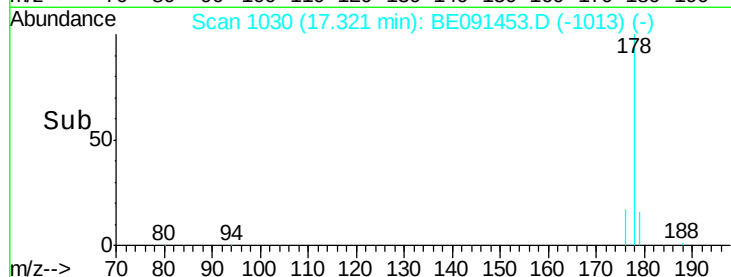
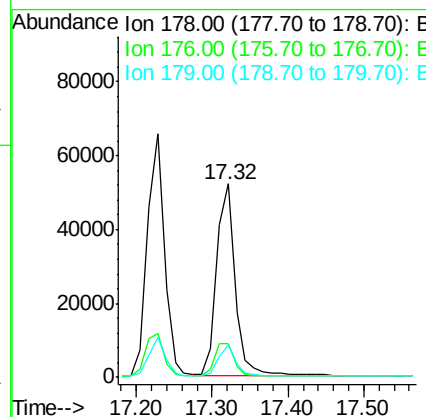
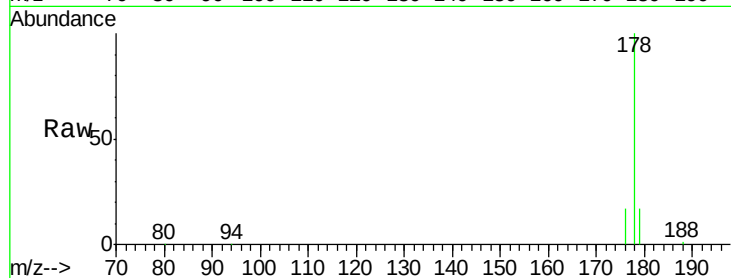
176 18.6 0.0 0.0#

179 15.3 0.0 0.0#

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#18

Fluoranthene

Concen: 0.49 ng

RT: 19.22 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

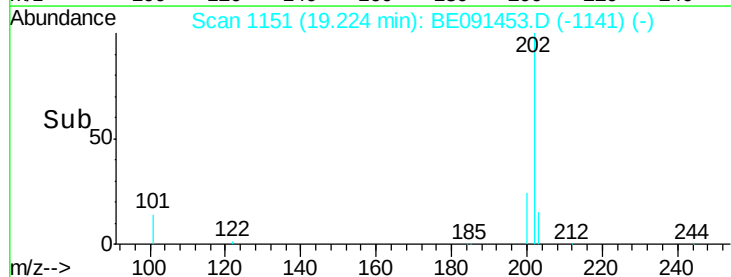
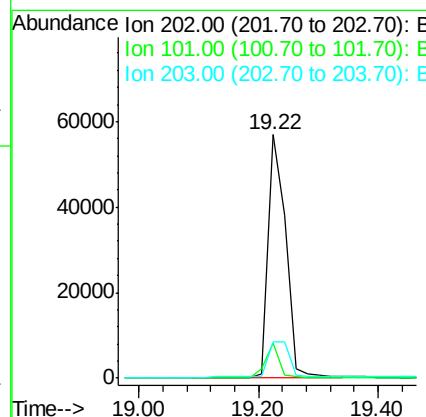
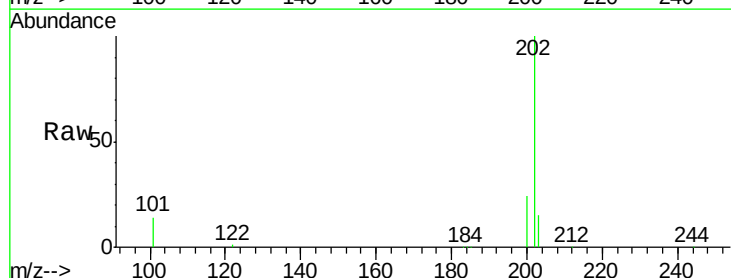
Tgt Ion:202 Resp: 115428

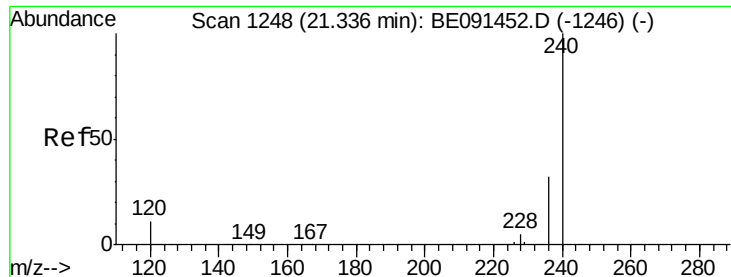
Ion Ratio Lower Upper

202 100

101 11.2 1.1 1.7#

203 17.6 1.0 1.6#





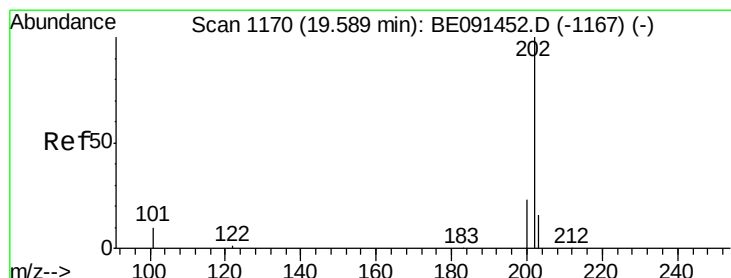
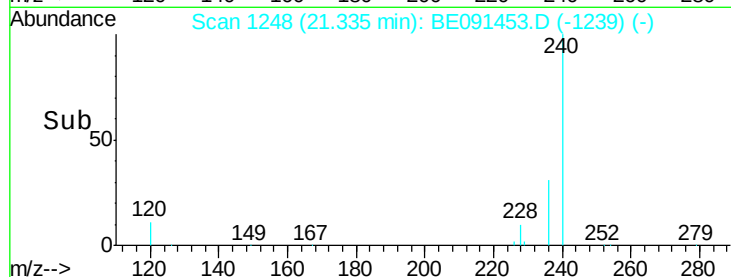
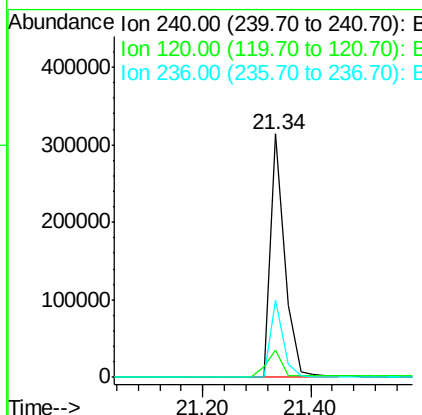
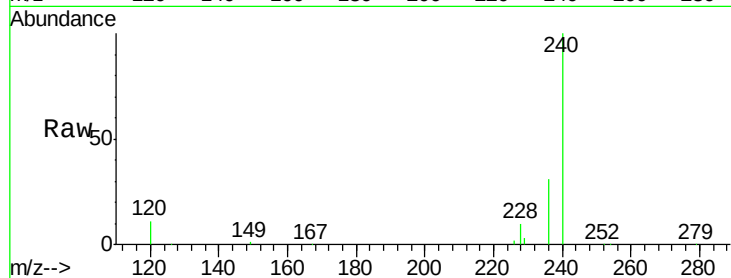
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.3	8.8	13.2
236	31.5	25.7	38.5

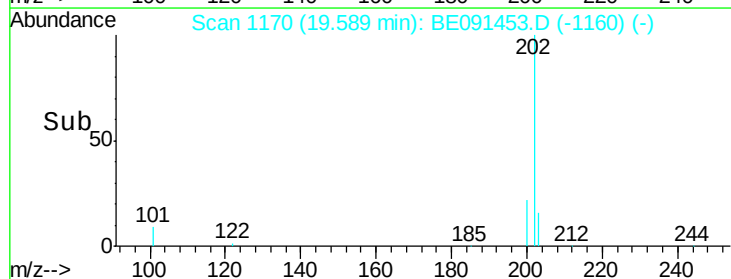
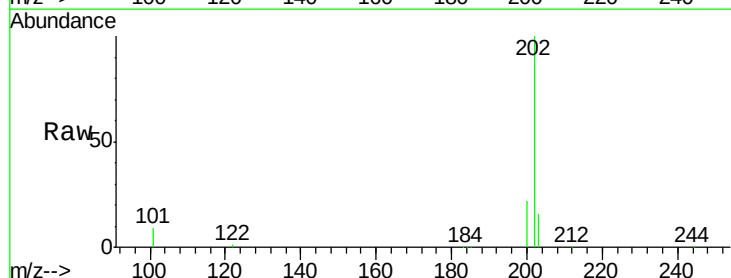
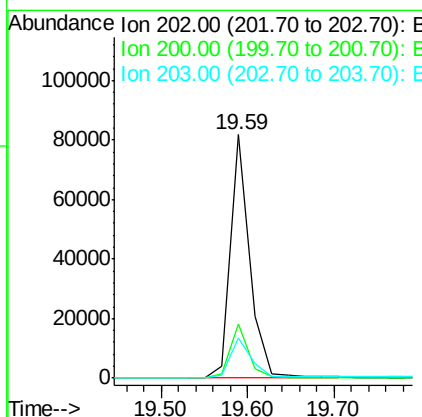
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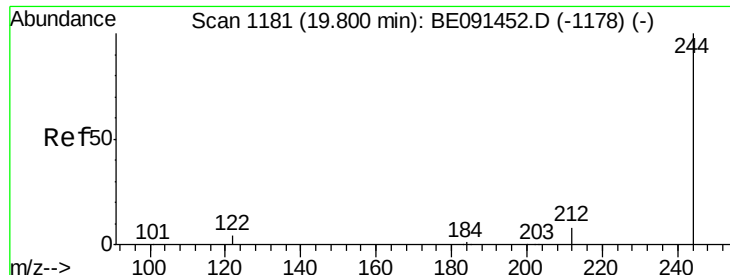
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#20
Pyrene
Concen: 0.76 ng
RT: 19.59 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.4	0.0	0.0#
203	17.6	0.1	0.1#





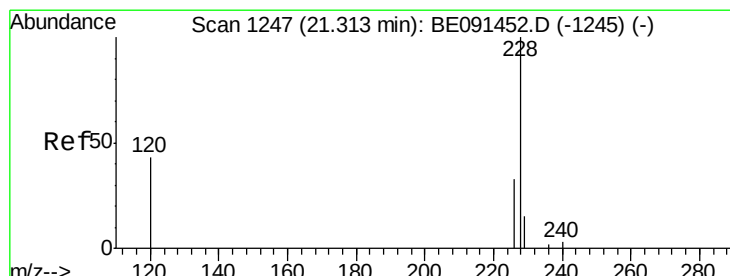
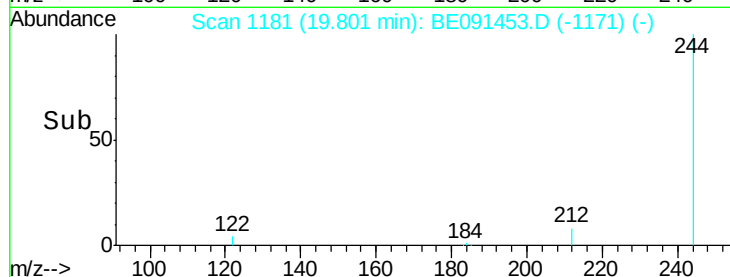
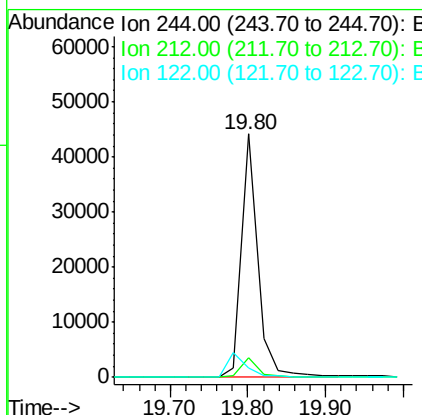
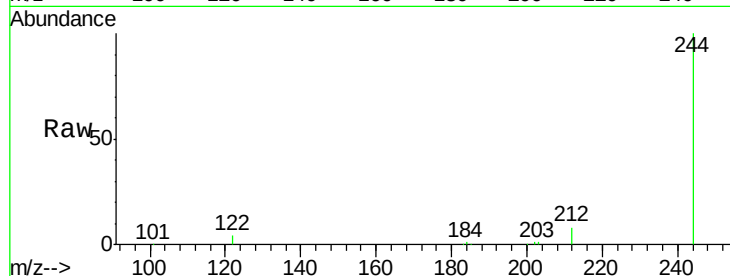
#21
 Terphenyl-d14
 Concen: 0.73 ng
 RT: 19.80 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BE091453.D
 Acq: 16 Mar 2016 21:16

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.6	10.0
122	3.9	3.4	5.0

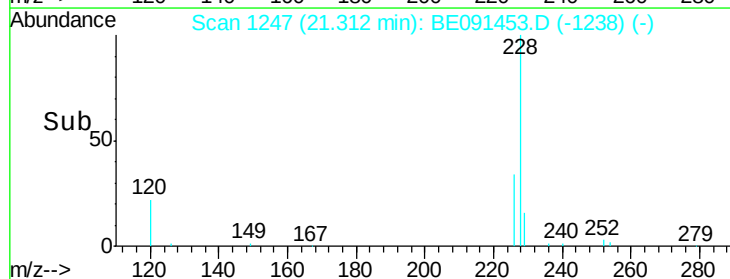
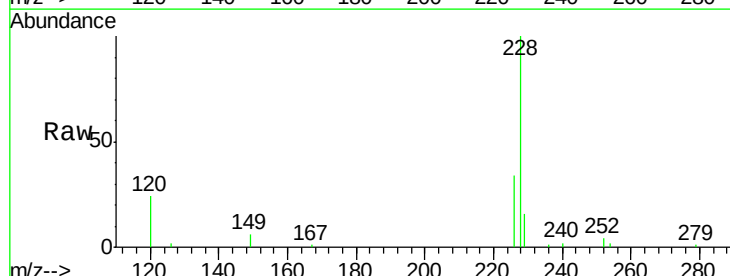
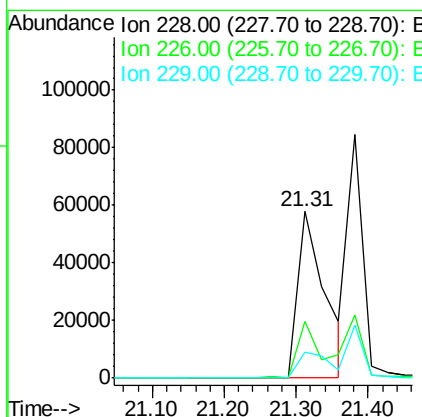
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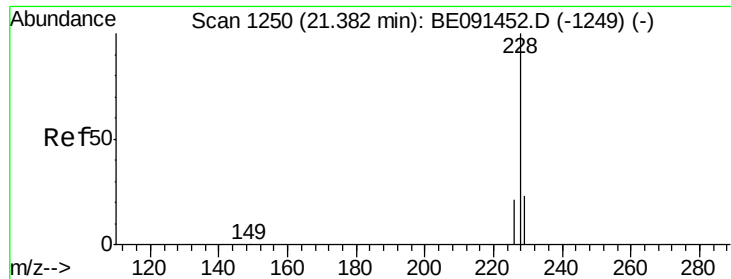
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#22
 Benzo(a)anthracene
 Concen: 0.75 ng
 RT: 21.31 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: BE091453.D
 Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	27.1	40.7
229	15.7	12.3	18.5





#23

Chrysene

Concen: 0.62 ng m

RT: 21.38 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Instrument :

BNA_E

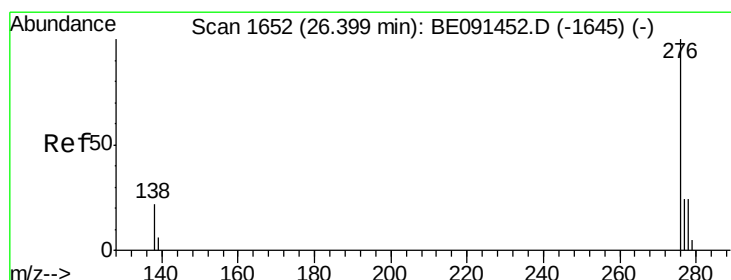
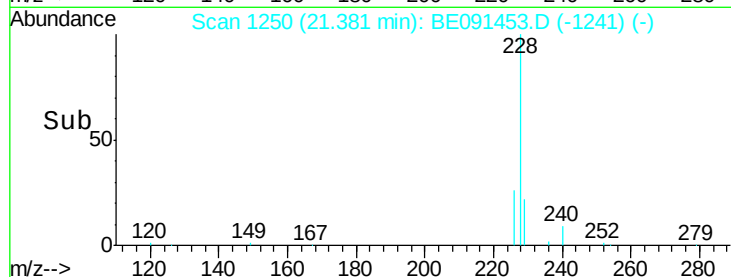
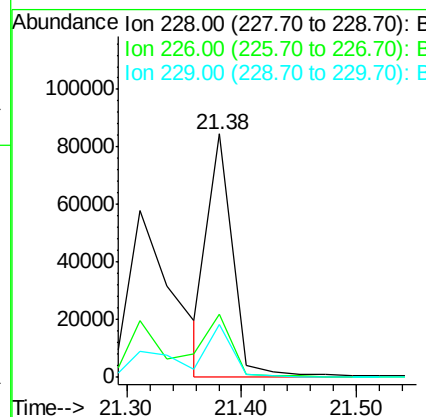
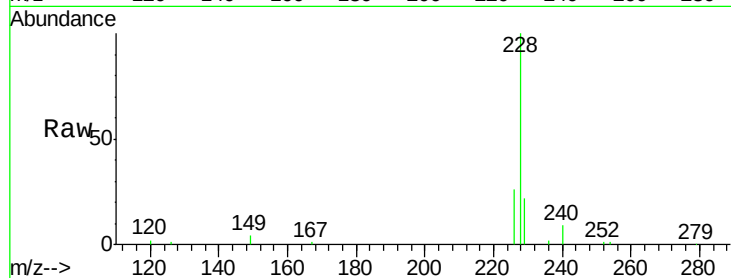
ClientSampleId :

SSTDIC0.8

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Tgt Ion:	228	Resp:	129421
Ion Ratio	Lower	Upper	
228	100		
226	26.1	20.3	30.5
229	21.9	17.4	26.0



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.84 ng

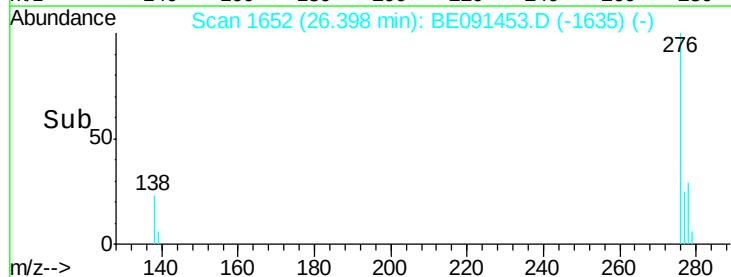
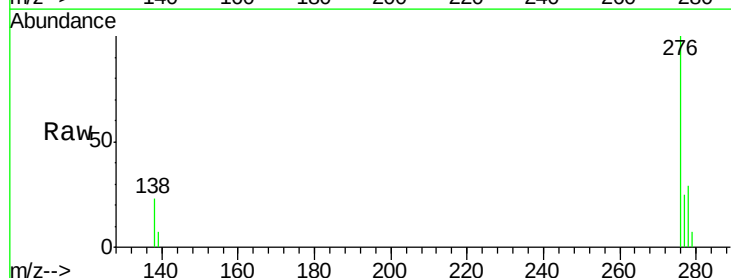
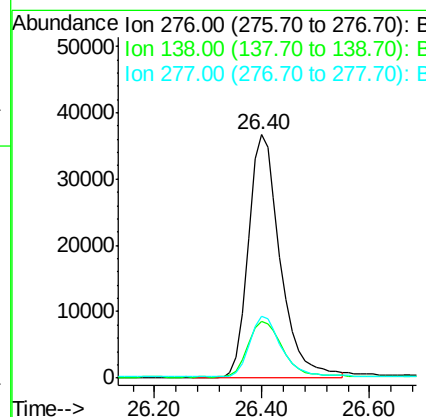
RT: 26.40 min Scan# 1652

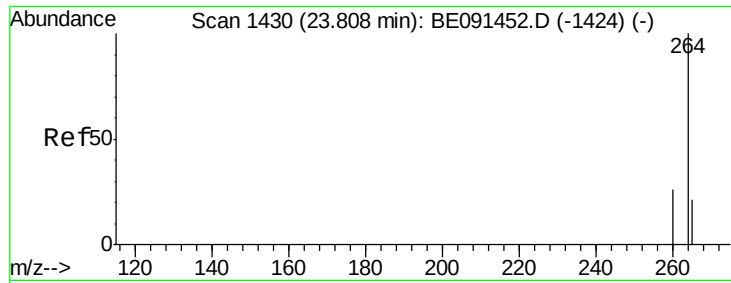
Delta R.T. -0.00 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Tgt Ion:	276	Resp:	150661
Ion Ratio	Lower	Upper	
276	100		
138	25.1	0.0	0.0#
277	24.9	0.0	0.0#





#25

Perylene-d12

Concen: 5.00 ng

RT: 23.81 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE091453.D

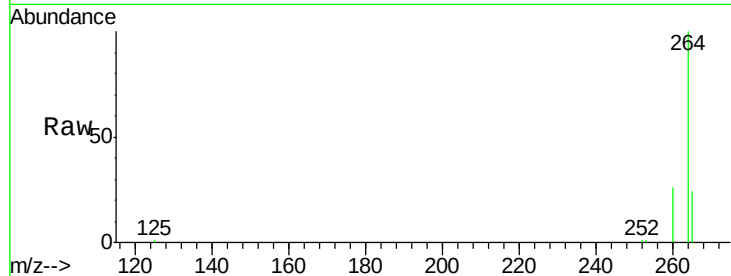
Acq: 16 Mar 2016 21:16

Instrument :

BNA_E

ClientSampleId :

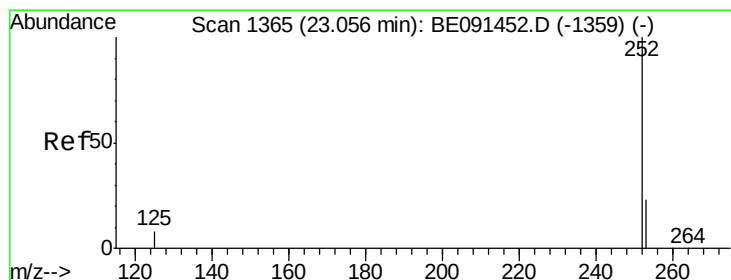
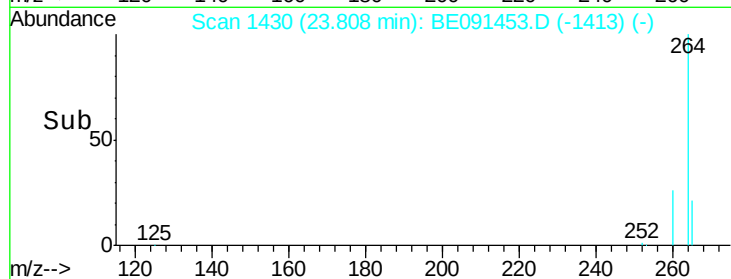
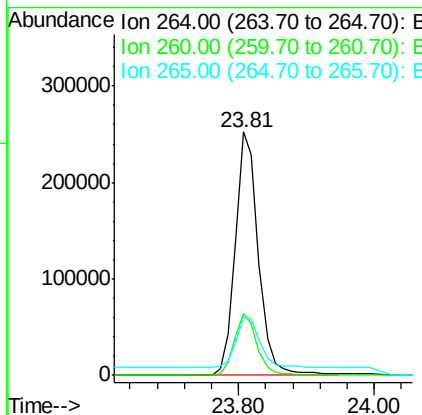
SSTDIC0.8



Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.5	20.7	31.1	
265	24.1	19.4	29.2	

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#26

Benzo(b)fluoranthene

Concen: 0.88 ng

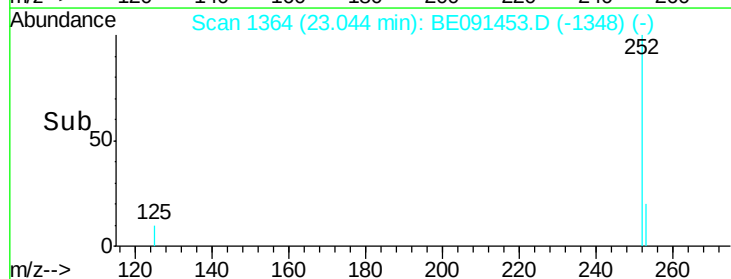
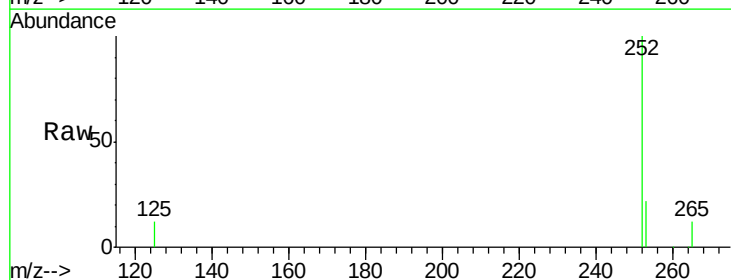
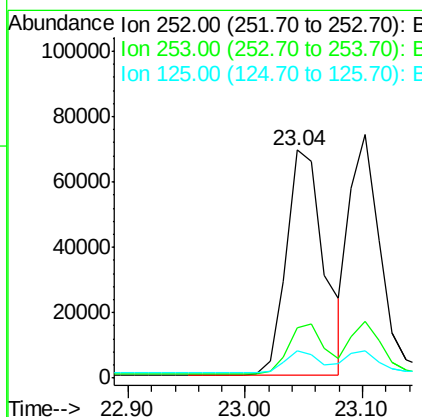
RT: 23.04 min Scan# 1364

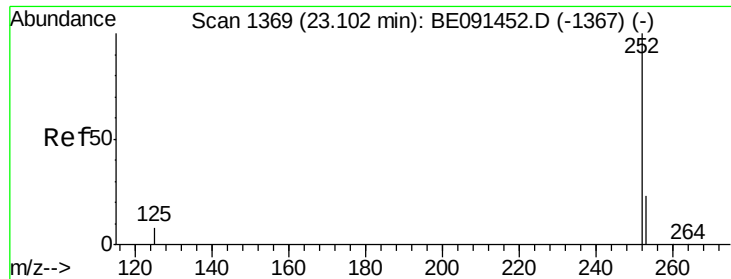
Delta R.T. -0.01 min

Lab File: BE091453.D

Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.1	20.6	30.8	
125	12.1	10.2	15.4	





#27

Benzo(k)fluoranthene

Concen: 0.84 ng

RT: 23.10 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BE091453.D

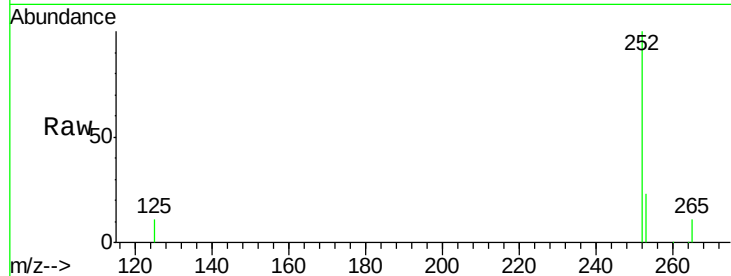
Acq: 16 Mar 2016 21:16

Instrument :

BNA_E

ClientSampleId :

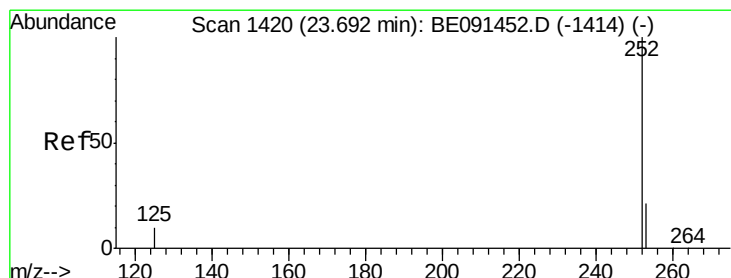
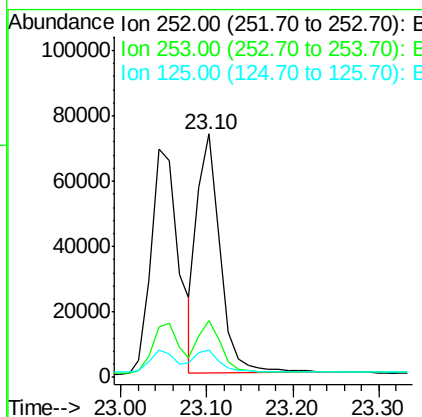
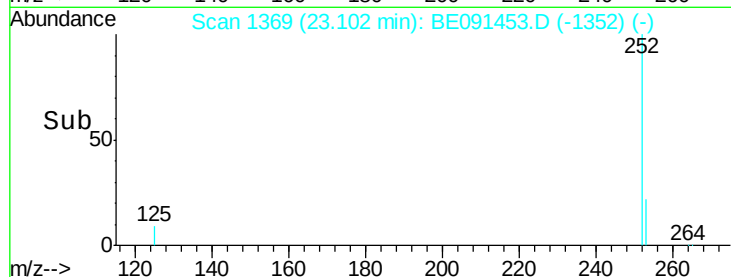
SSTDIC0.8



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	135175		
253	23.5	20.2	30.2	
125	11.1	10.6	16.0	

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#28

Benzo(a)pyrene

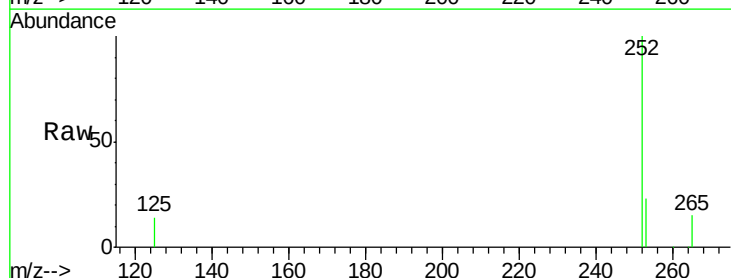
Concen: 0.86 ng

RT: 23.69 min Scan# 1420

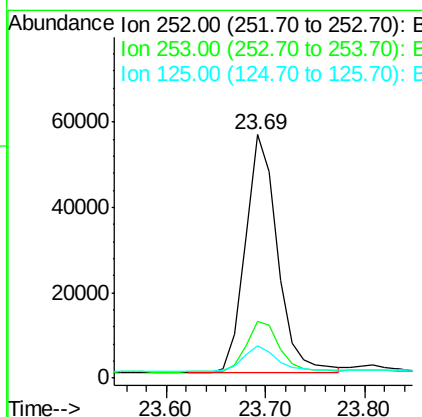
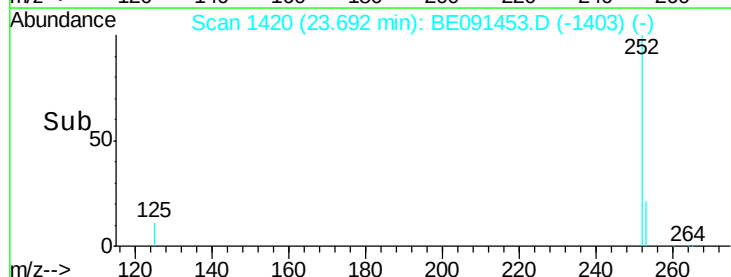
Delta R.T. -0.00 min

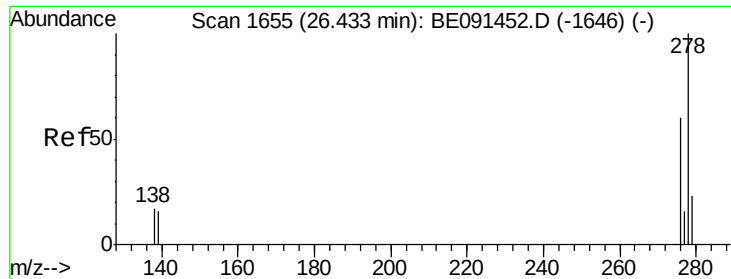
Lab File: BE091453.D

Acq: 16 Mar 2016 21:16



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	126171		
253	23.2	20.0	30.0	
125	13.5	12.7	19.1	





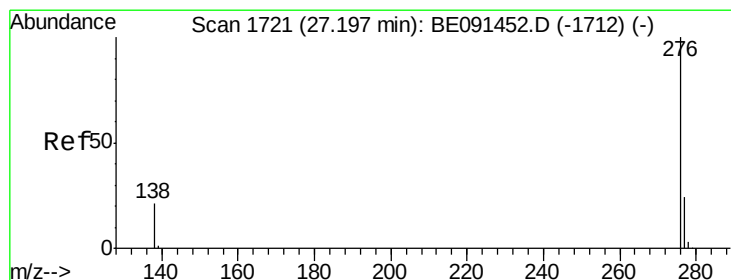
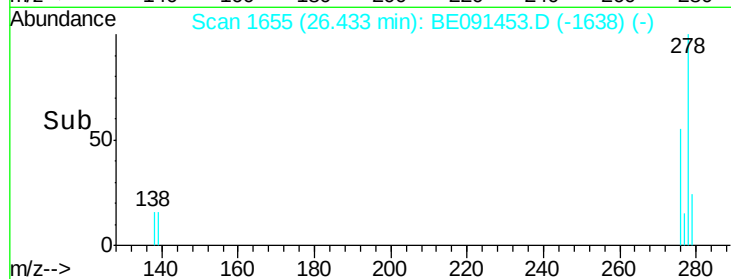
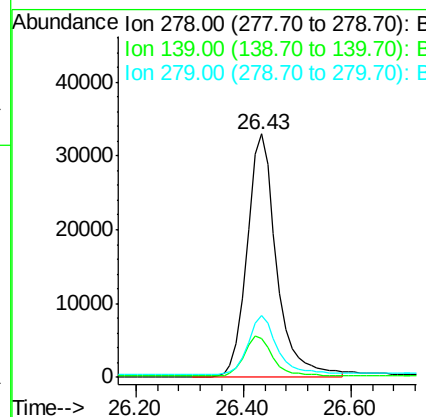
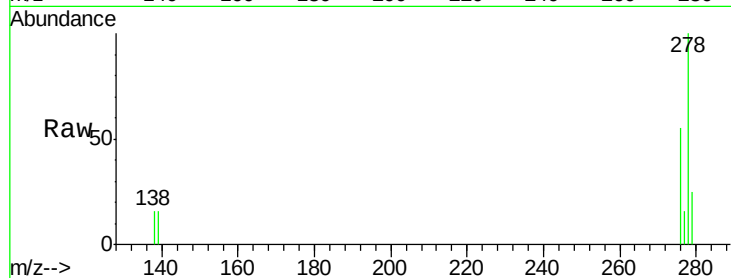
#29
Dibenzo(a,h)anthracene
Concen: 0.88 ng
RT: 26.43 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.3	19.9
279	25.4	20.9	31.3

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#30
Benzo(g,h,i)perylene
Concen: 0.88 ng
RT: 27.20 min Scan# 1721
Delta R.T. -0.00 min
Lab File: BE091453.D
Acq: 16 Mar 2016 21:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	21.1	17.6	26.4

