

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
 Data File : BE091458.D
 Acq On : 17 Mar 2016 00:21
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE031616

Manual Integrations
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 3/17/2016 5:22:28 PM

Quant Time: Mar 17 15:39:23 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 10:23:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	59263	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	266570	5.00	ng	0.00
8) Acenaphthene-d10	14.45	164	161891	5.00	ng	0.00
13) Phenanthrene-d10	17.18	188	408172	5.00	ng	0.00
19) Chrysene-d12	21.34	240	568011	5.00	ng	0.00
25) Perylene-d12	23.81	264	526215	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.99	82	5781	0.48	ng	0.00
9) 2-Fluorobiphenyl	13.08	172	20319	0.49	ng	0.00
21) Terphenyl-d14	19.80	244	35572	0.42	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	3751	0.49	ng	# 100
3) n-Nitrosodimethylamine	3.68	42	5288	0.46	ng	# 100
6) Naphthalene	10.67	128	32415	0.50	ng	100
7) 2-Methylnaphthalene	12.27	142	20504	0.48	ng	97
10) Acenaphthylene	14.16	152	30917	0.44	ng	# 100
11) Acenaphthene	14.51	154	24673	0.50	ng	# 100
12) Fluorene	15.49	166	31223	0.49	ng	# 100
14) Hexachlorobenzene	16.48	284	8636	0.48	ng	# 100
15) Pentachlorophenol	16.83	266	3182	0.56	ng	# 79
16) Phenanthrene	17.23	178	57481	0.49	ng	# 100
17) Anthracene	17.32	178	48513	0.47	ng	# 100
18) Fluoranthene	19.22	202	64204	0.48	ng	# 68
20) Pyrene	19.59	202	70084	0.43	ng	# 93
22) Benzo(a)anthracene	21.31	228	71366m	0.36	ng	
23) Chrysene	21.38	228	82958m	0.53	ng	
24) Indeno(1,2,3-cd)pyrene	26.40	276	81665	0.43	ng	# 100
26) Benzo(b)fluoranthene	23.04	252	85449	0.48	ng	96
27) Benzo(k)fluoranthene	23.10	252	73714	0.44	ng	98
28) Benzo(a)pyrene	23.69	252	68560	0.45	ng	98
29) Dibenzo(a,h)anthracene	26.43	278	67734	0.46	ng	99
30) Benzo(g,h,i)perylene	27.20	276	72507	0.47	ng	99

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

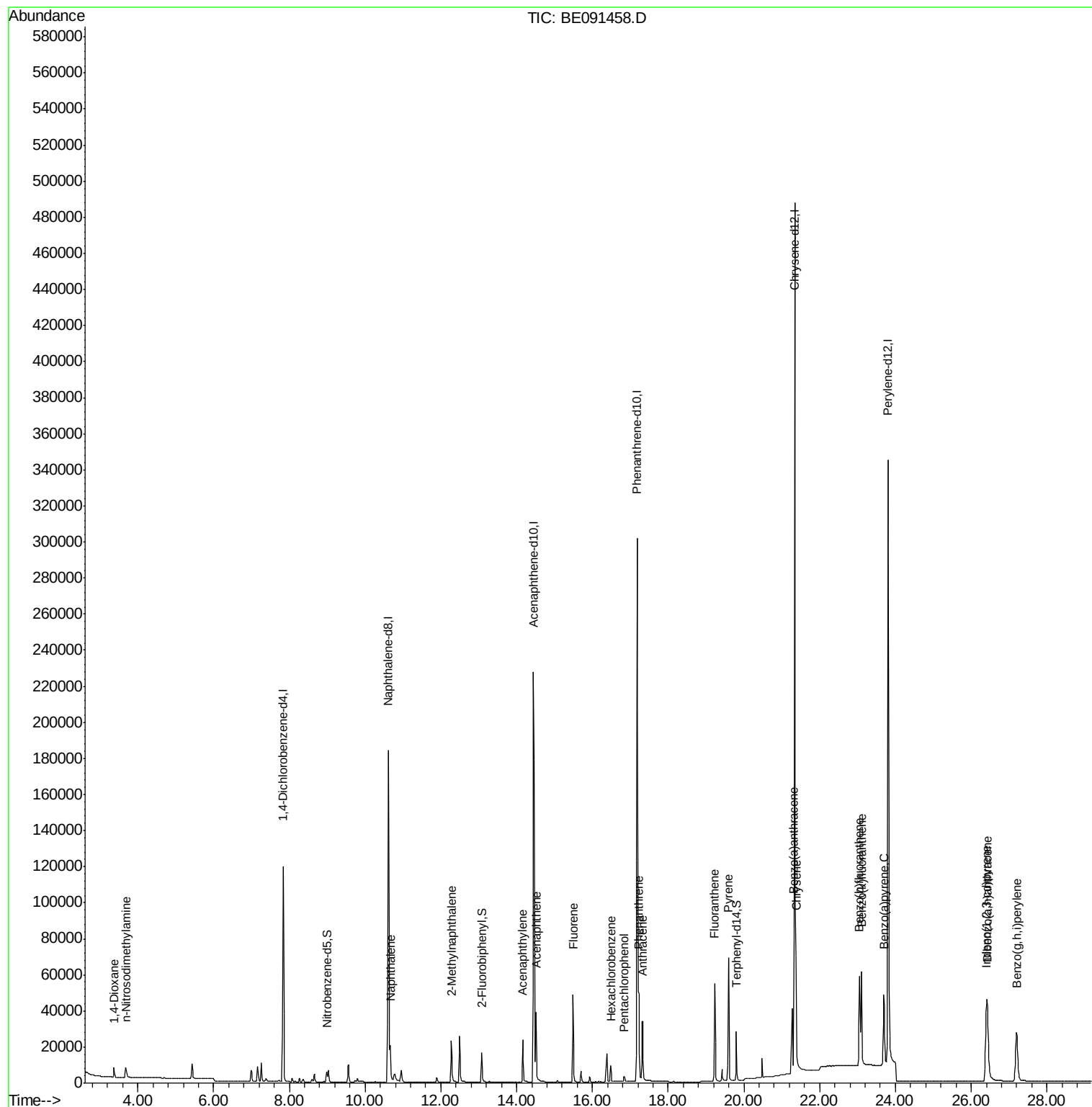
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031616\
Data File : BE091458.D
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Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

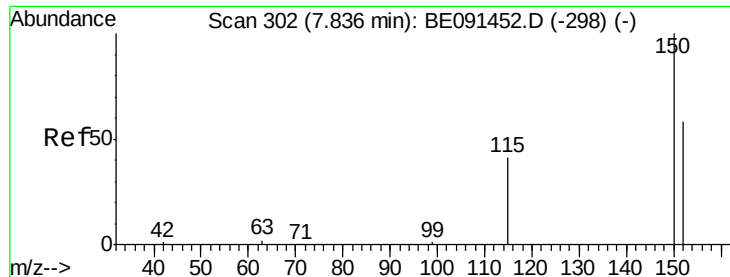
Instrument :
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Quant Time: Mar 17 15:39:23 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091458.D

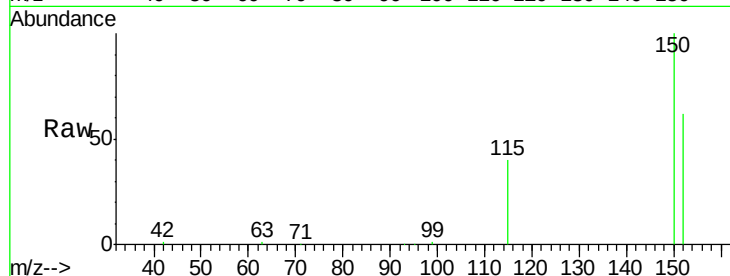
Acq: 17 Mar 2016 00:21

Instrument :

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ClientSampleId :

ICVBE031616



Tgt Ion: 152 Resp: 59263

Ion Ratio Lower Upper

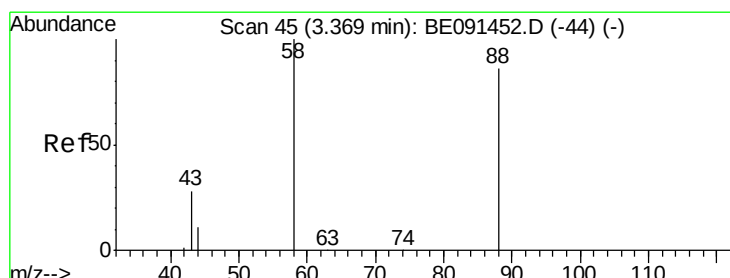
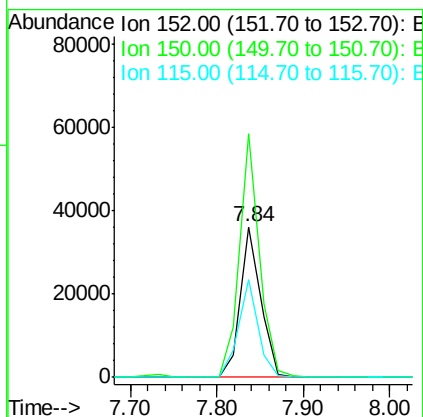
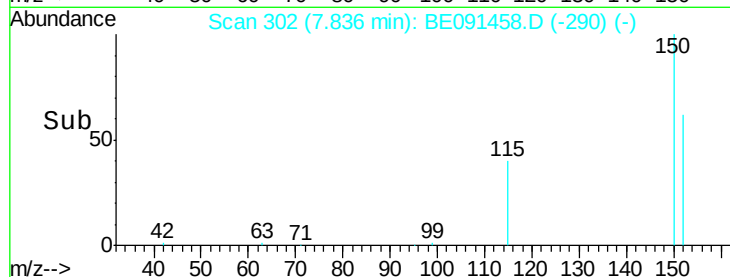
152 100

150 161.7 136.8 205.2

115 64.6 56.9 85.3

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#2

1,4-Dioxane

Concen: 0.49 ng

RT: 3.37 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

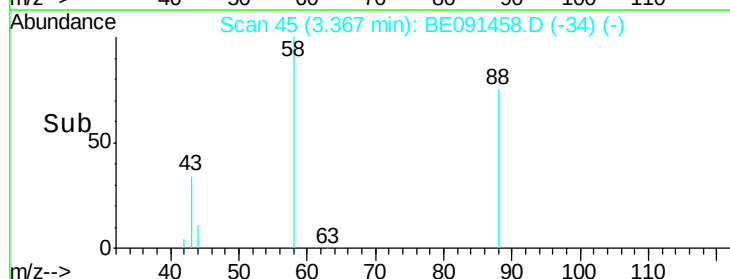
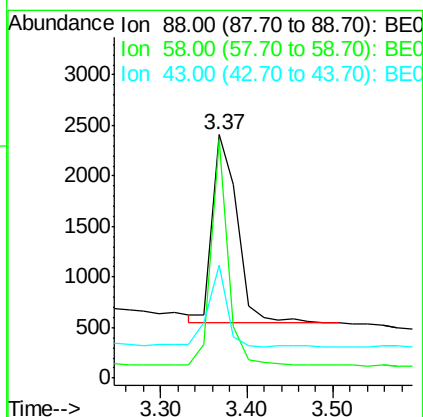
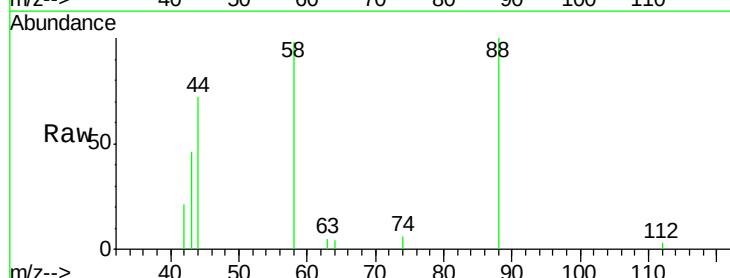
Tgt Ion: 88 Resp: 3751

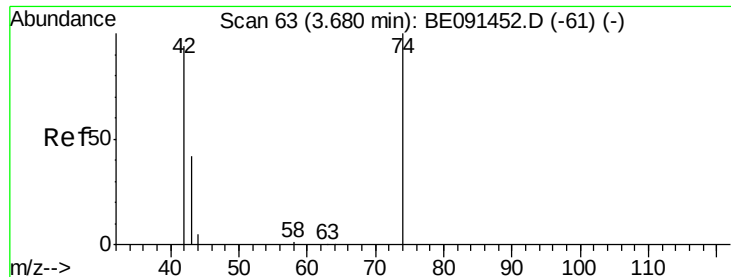
Ion Ratio Lower Upper

88 100

58 82.0 0.0 0.0#

43 32.2 0.0 0.0#





#3

n-Nitrosodimethylamine

Concen: 0.46 ng

RT: 3.68 min Scan# 63

Delta R.T. -0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

Instrument :

BNA_E

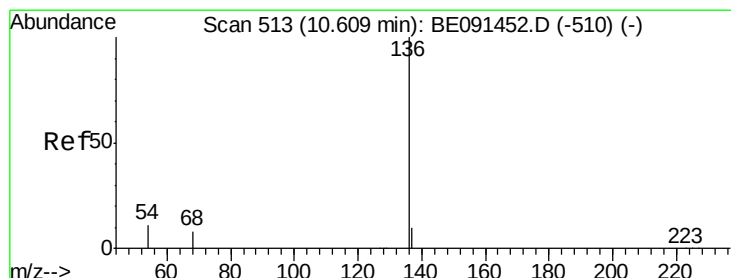
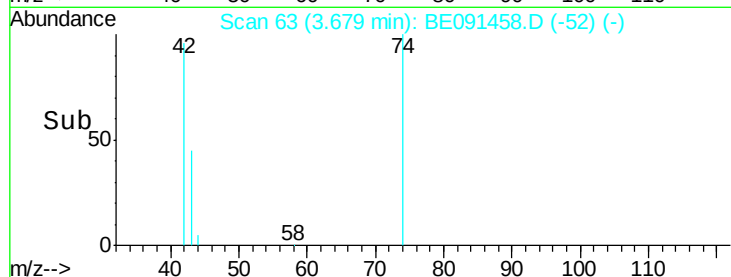
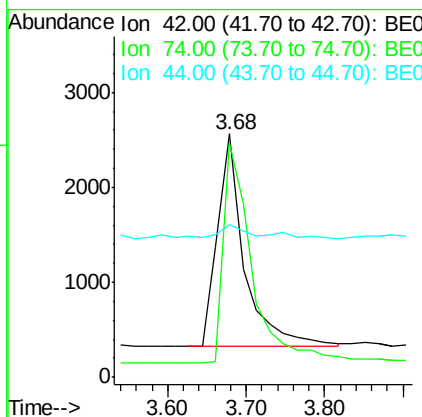
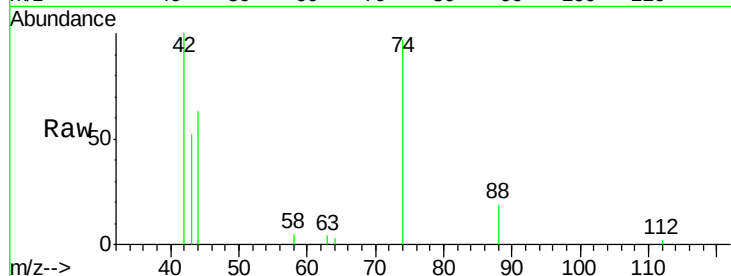
ClientSampleId :

ICVBE031616

Tgt Ion:	42	Resp:	5288
Ion Ratio		Lower	Upper
42	100		
74	110.3	0.0	0.0#
44	4.8	0.0	0.0#

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#4

Naphthalene-d8

Concen: 5.00 ng

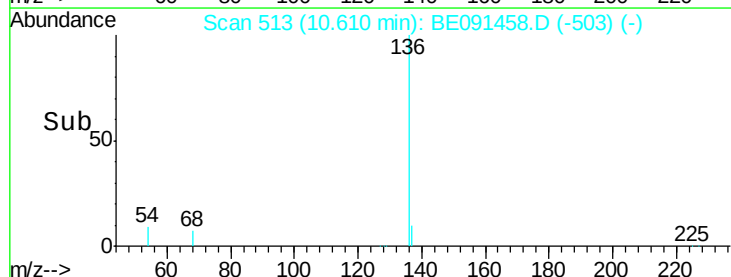
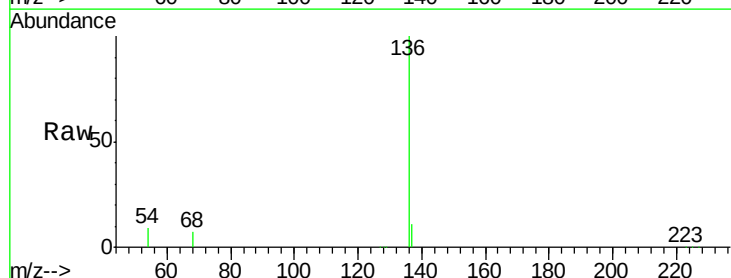
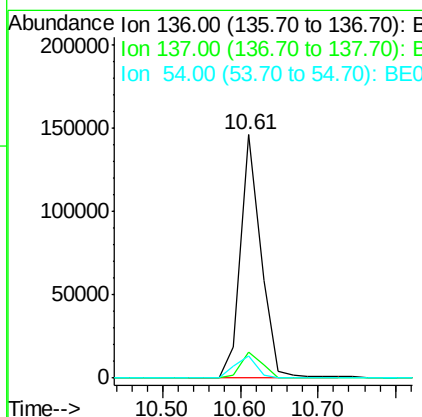
RT: 10.61 min Scan# 513

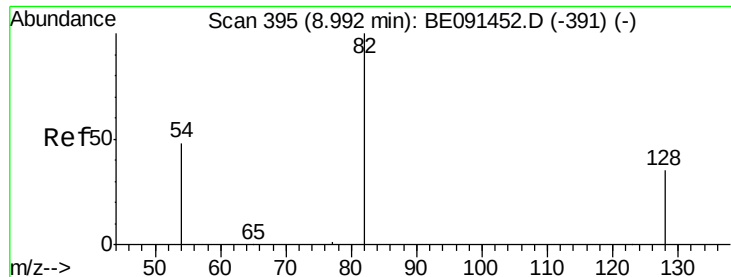
Delta R.T. 0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

Tgt Ion:	136	Resp:	266570
Ion Ratio		Lower	Upper
136	100		
137	10.5	8.0	12.0
54	9.0	9.1	13.7#





#5

Nitrobenzene-d5

Concen: 0.48 ng

RT: 8.99 min Scan# 395

Delta R.T. 0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

Instrument :

BNA_E

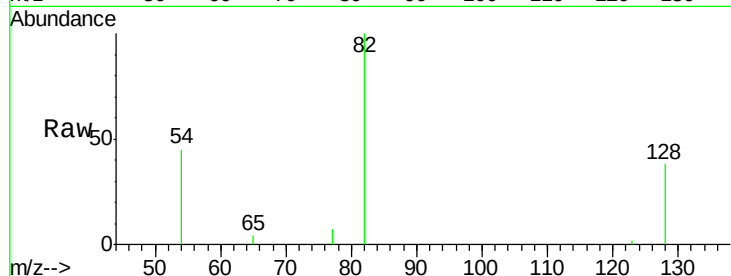
ClientSampleId :

ICVBE031616

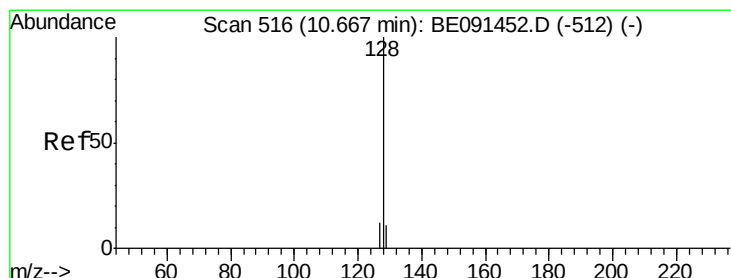
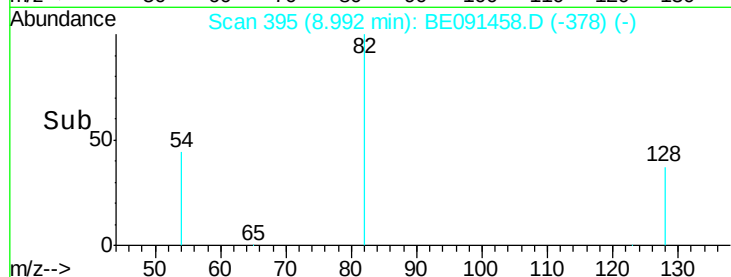
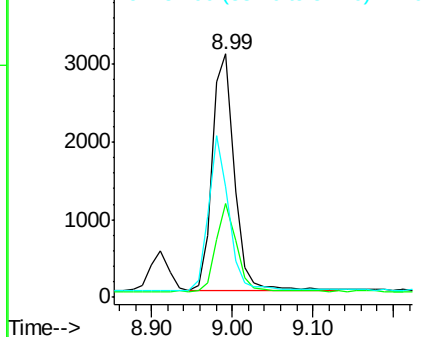
Tgt Ion:	82	Resp:	5781
Ion Ratio	Lower	Upper	
82	100		
128	38.4	29.4	44.2
54	45.3	39.8	59.8

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



#6

Naphthalene

Concen: 0.50 ng

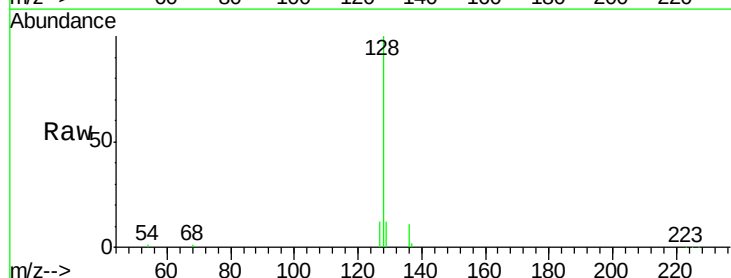
RT: 10.67 min Scan# 516

Delta R.T. 0.00 min

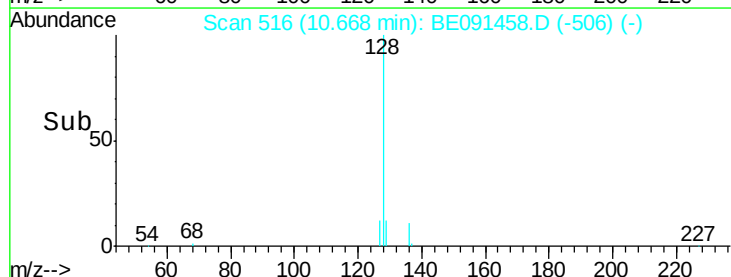
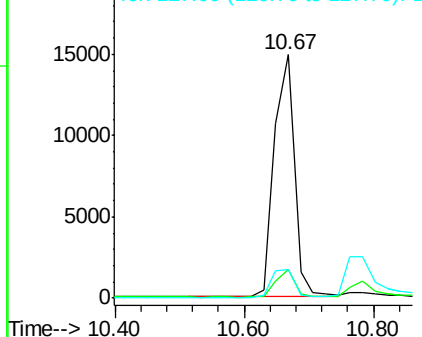
Lab File: BE091458.D

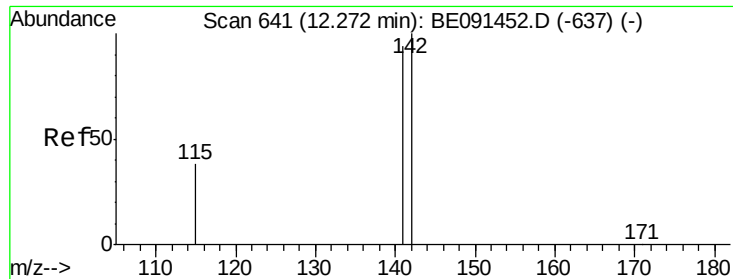
Acq: 17 Mar 2016 00:21

Tgt Ion:	128	Resp:	32415
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.4	14.0
127	12.0	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: 0.48 ng

RT: 12.27 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE091458.D

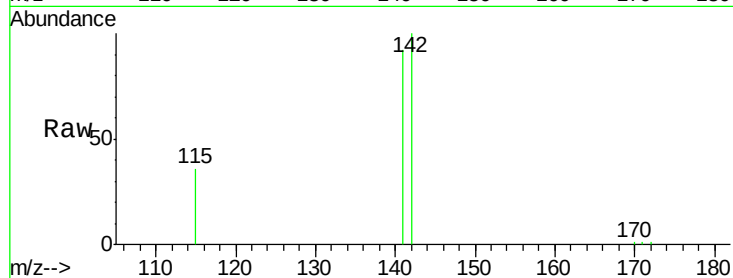
Acq: 17 Mar 2016 00:21

Instrument :

BNA_E

ClientSampleId :

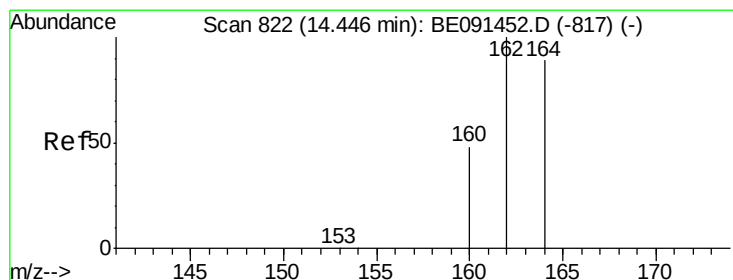
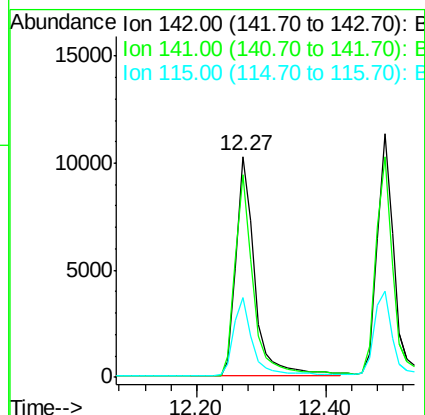
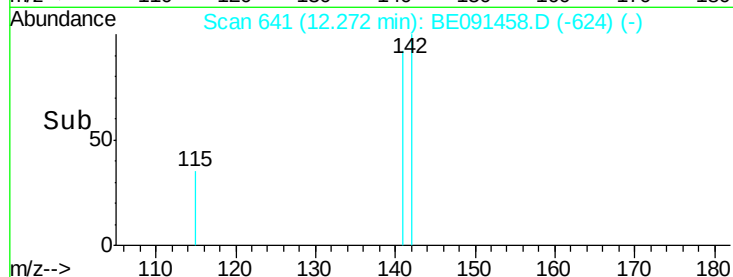
ICVBE031616



Tgt Ion:	142	Resp:	20504
Ion Ratio	Lower	Upper	
142	100		
141	91.6	75.0	112.4
115	36.0	30.8	46.2

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#8

Acenaphthene-d10

Concen: 5.00 ng

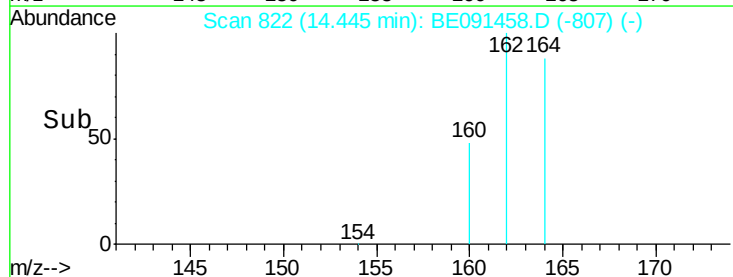
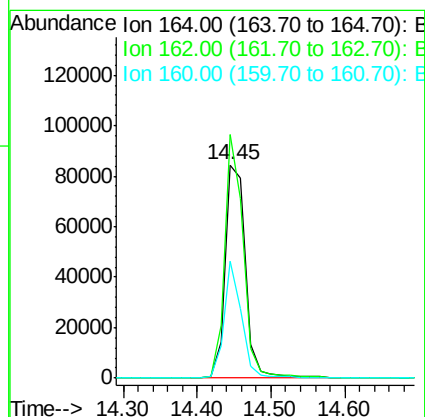
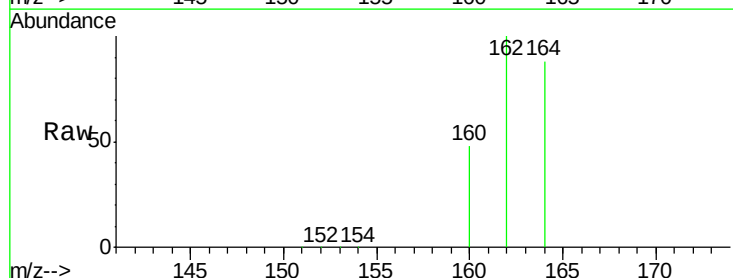
RT: 14.45 min Scan# 822

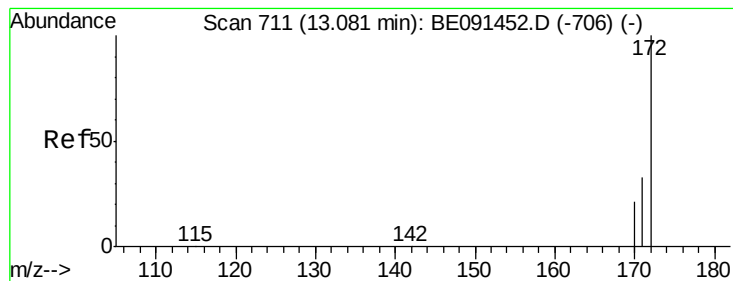
Delta R.T. -0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

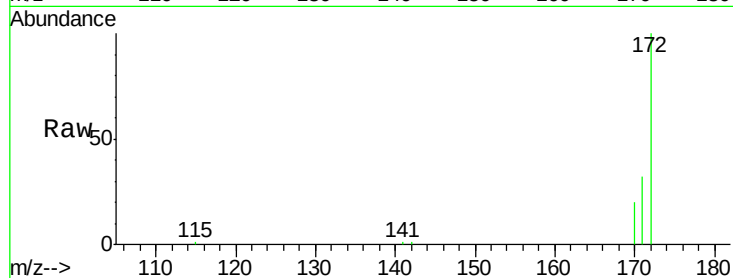
Tgt Ion:	164	Resp:	161891
Ion Ratio	Lower	Upper	
164	100		
162	114.0	89.8	134.8
160	54.5	43.1	64.7





#9
2-Fluorobiphenyl
Concen: 0.49 ng
RT: 13.08 min Scan# 711
Delta R.T. 0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

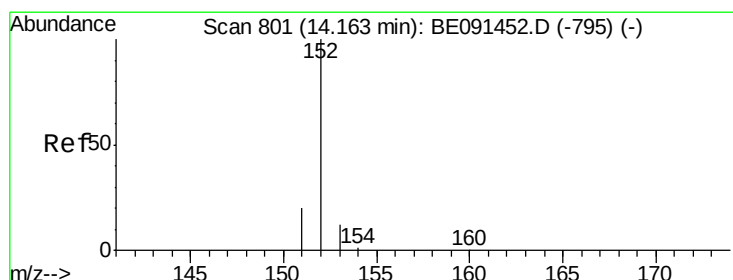
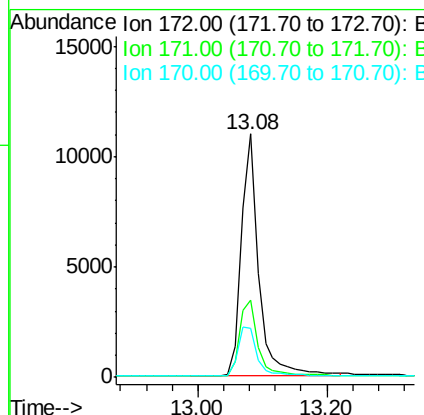
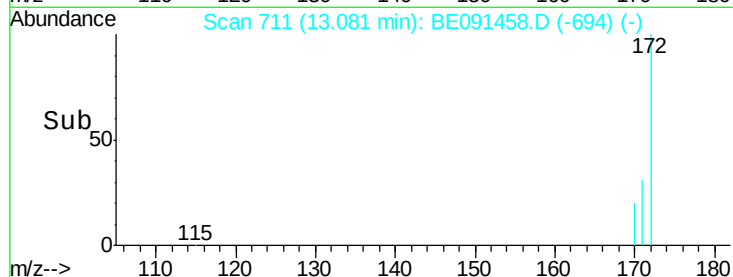
Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.6	26.7	40.1
170	20.1	17.4	26.2

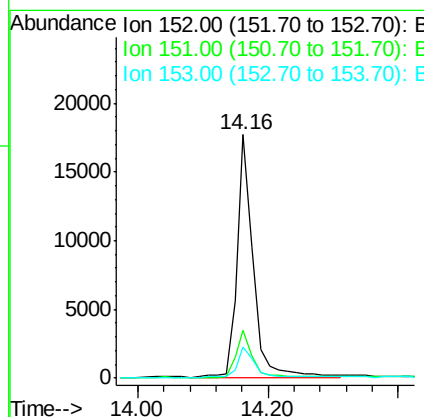
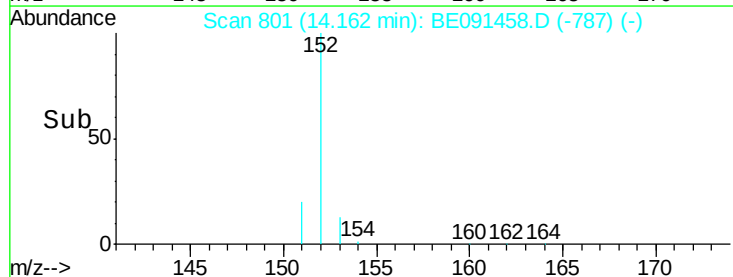
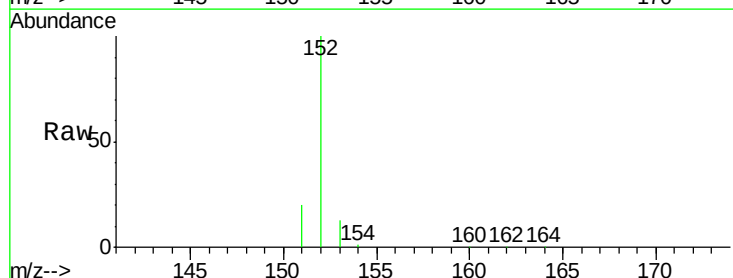
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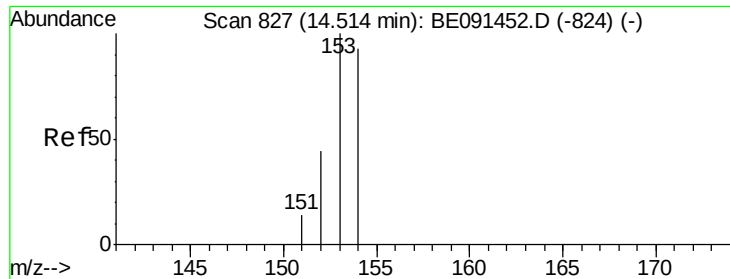
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#10
Acenaphthylene
Concen: 0.44 ng
RT: 14.16 min Scan# 801
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	0.0	0.0#
153	13.5	0.0	0.0#





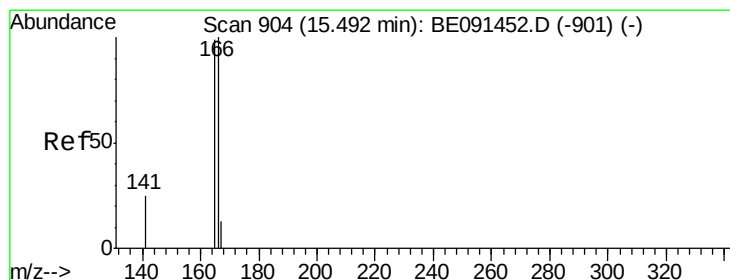
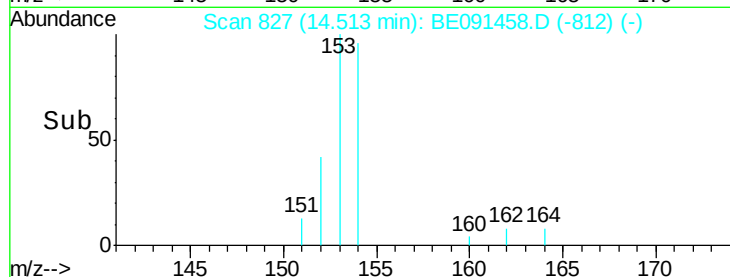
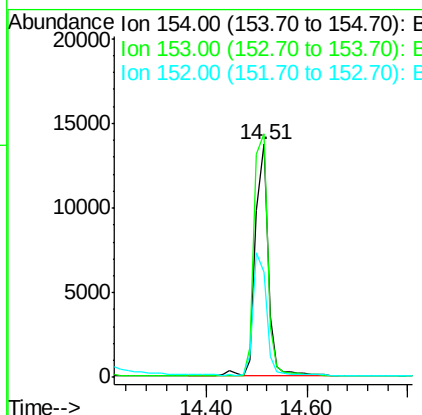
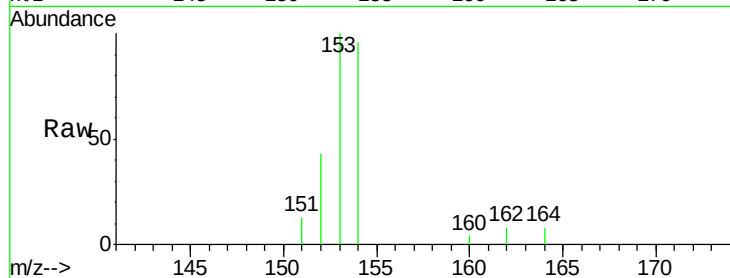
#11
Acenaphthene
Concen: 0.50 ng
RT: 14.51 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
154	100	24673		
153	109.9	0.0	0.0	0.0
152	53.5	0.0	0.0	0.0

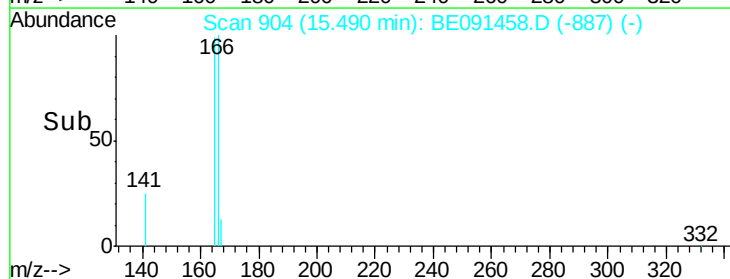
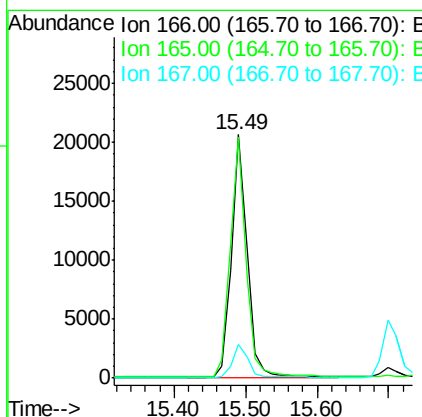
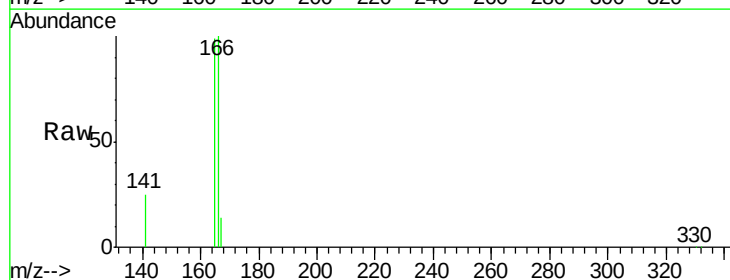
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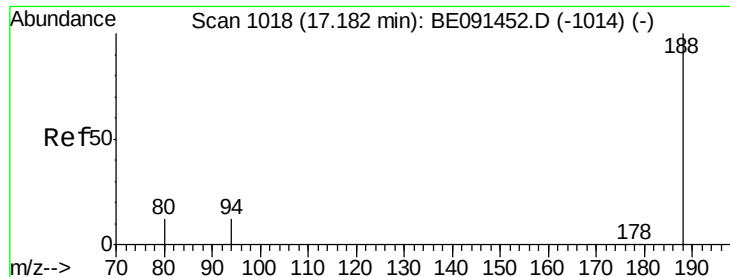
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#12
Fluorene
Concen: 0.49 ng
RT: 15.49 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	31223		
165	99.6	0.0	0.0	0.0
167	13.6	0.0	0.0	0.0





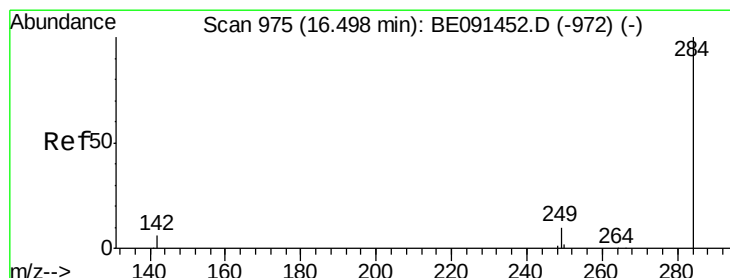
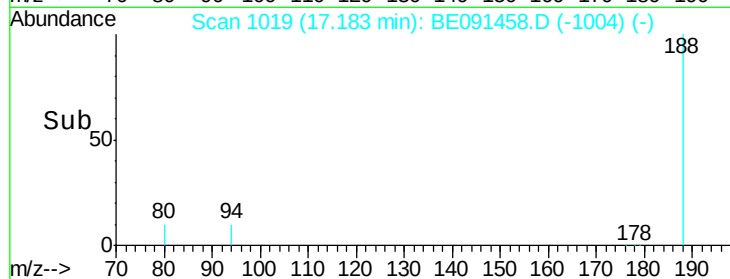
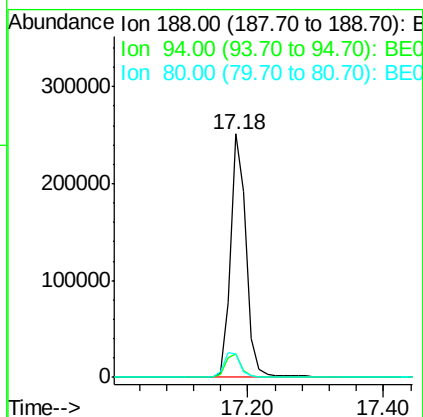
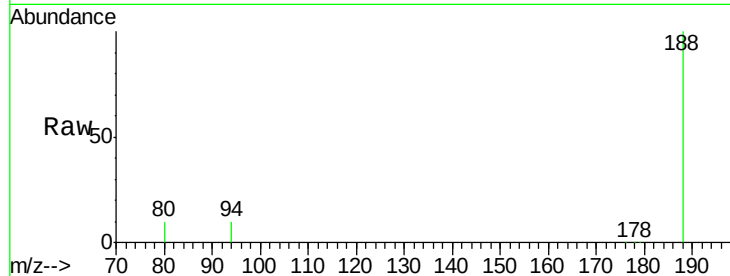
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Instrument :
BNA_E
ClientSampleId :
ICVBE031616

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	9.5	14.3
80	9.8	9.8	14.8

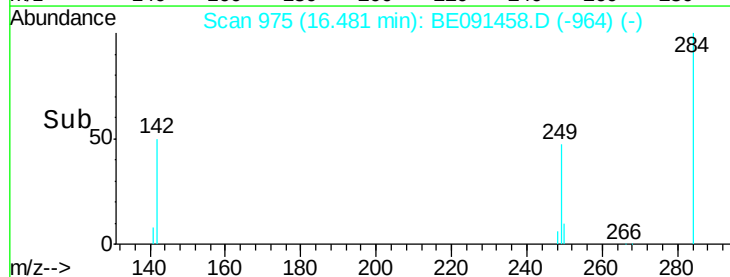
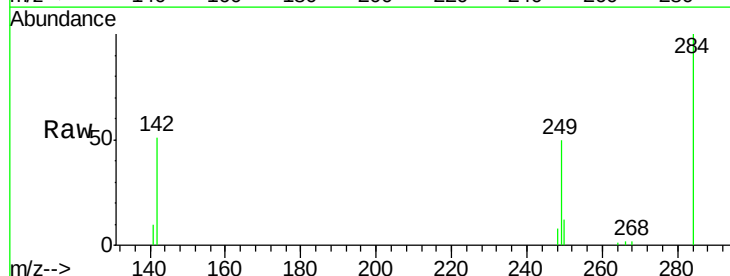
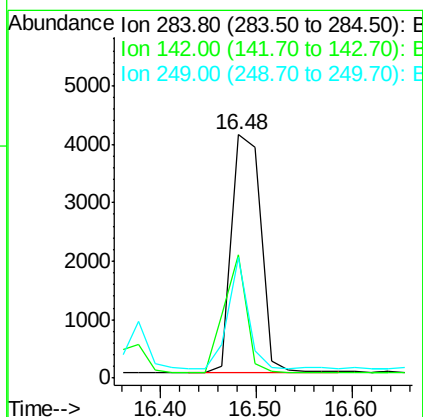
Manual Integrations
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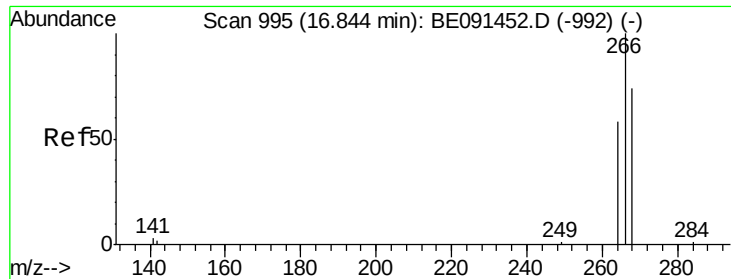
Sohil
3/17/2016 5:22:28 PM



#14
Hexachlorobenzene
Concen: 0.48 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.02 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	38.6	0.0	0.0#
249	31.8	0.0	0.0#





#15

Pentachlorophenol

Concen: 0.56 ng

RT: 16.83 min Scan# 995

Delta R.T. -0.02 min

Lab File: BE091458.D

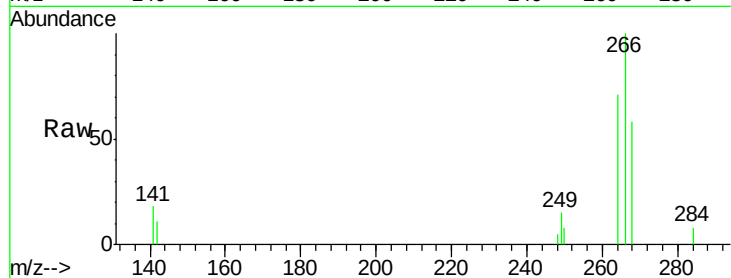
Acq: 17 Mar 2016 00:21

Instrument :

BNA_E

ClientSampleId :

ICVBE031616



Tgt Ion: 266 Resp: 3182

Ion Ratio Lower Upper

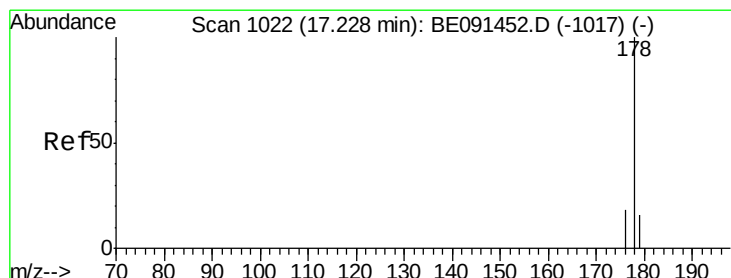
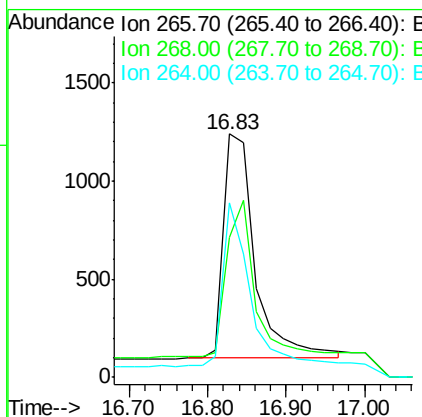
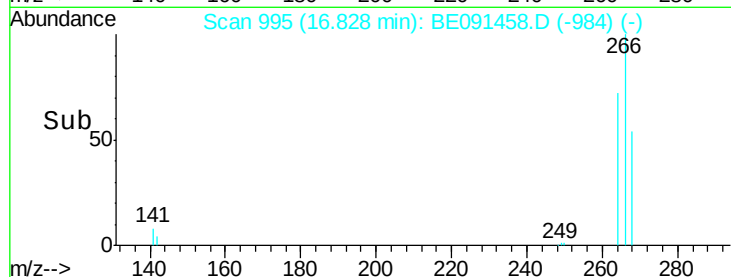
266 100

268 57.5 61.0 91.6#

264 71.5 45.7 68.5#

Manual Integrations
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#16

Phenanthrene

Concen: 0.49 ng

RT: 17.23 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

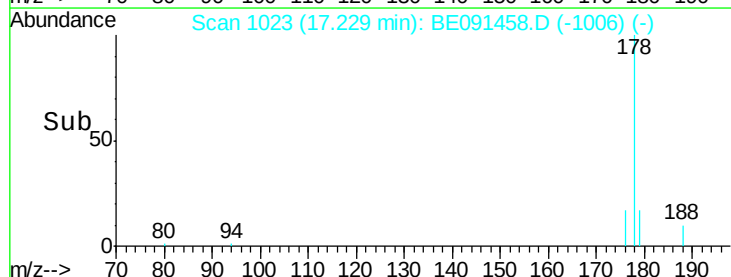
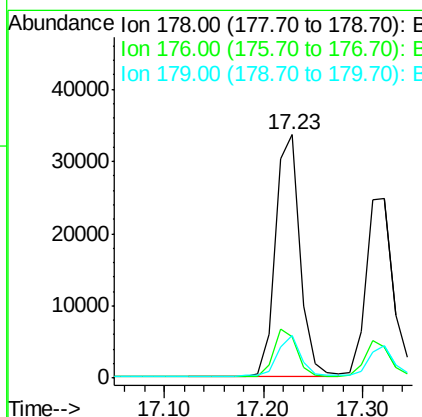
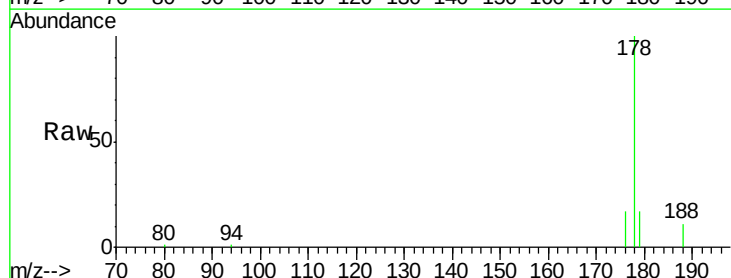
Tgt Ion: 178 Resp: 57481

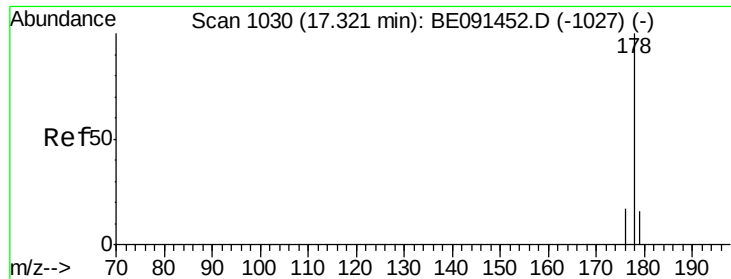
Ion Ratio Lower Upper

178 100

176 19.2 0.0 0.0#

179 16.1 0.0 0.0#





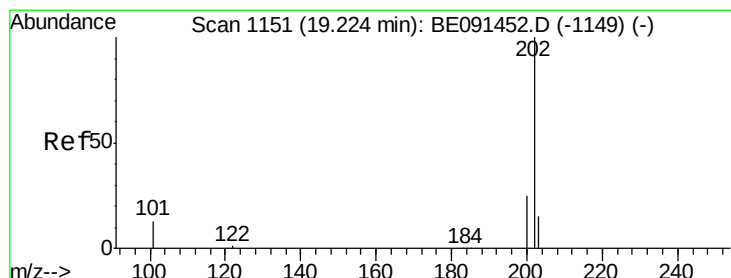
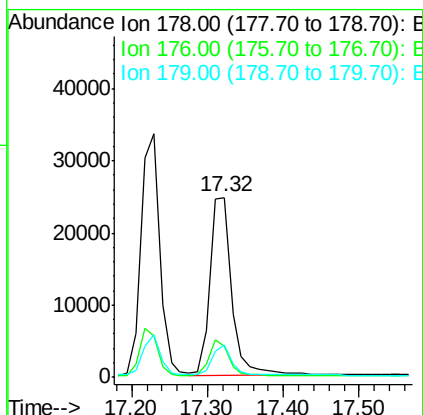
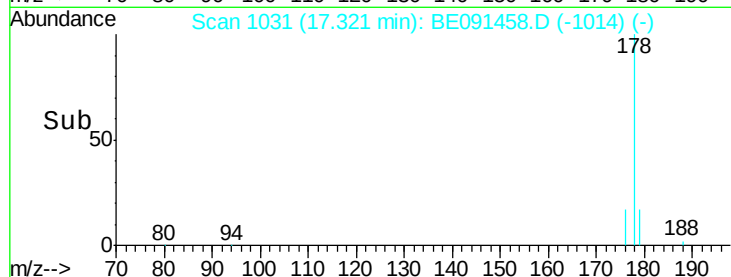
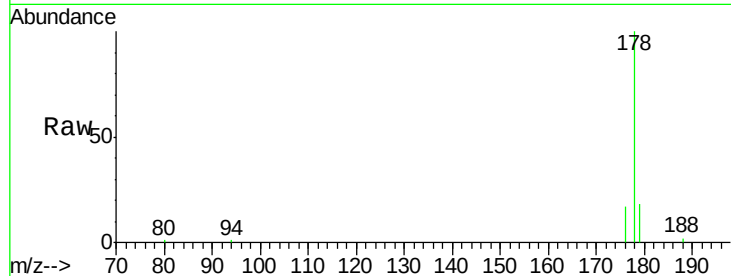
#17
 Anthracene
 Concen: 0.47 ng
 RT: 17.32 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: BE091458.D
 Acq: 17 Mar 2016 00:21

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE031616

Tgt Ion:178 Resp: 48513
 Ion Ratio Lower Upper
 178 100
 176 18.7 0.0 0.0#
 179 15.1 0.0 0.0#

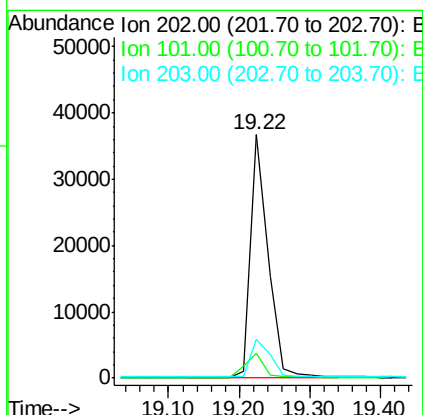
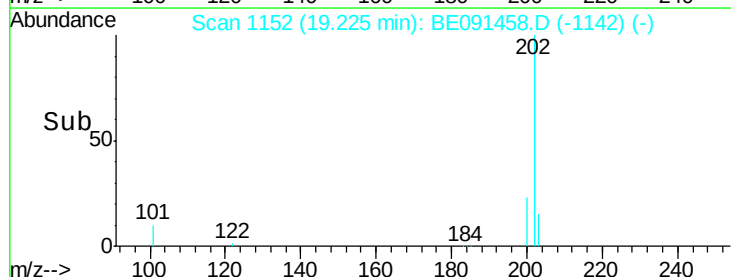
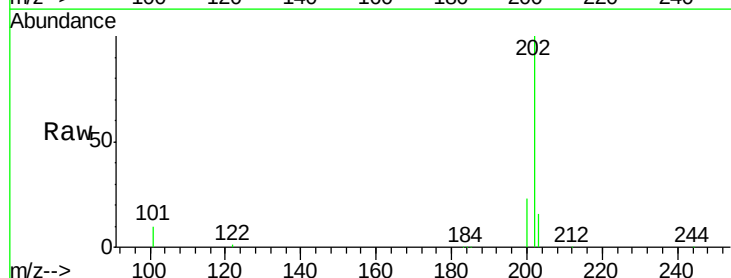
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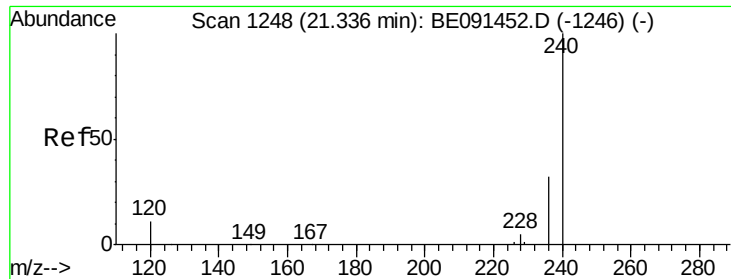
Sohil
 3/17/2016 5:22:28 PM



#18
 Fluoranthene
 Concen: 0.48 ng
 RT: 19.22 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE091458.D
 Acq: 17 Mar 2016 00:21

Tgt Ion:202 Resp: 64204
 Ion Ratio Lower Upper
 202 100
 101 10.9 1.1 1.7#
 203 17.3 1.0 1.6#





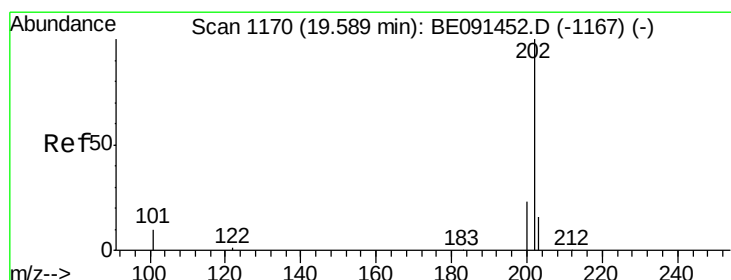
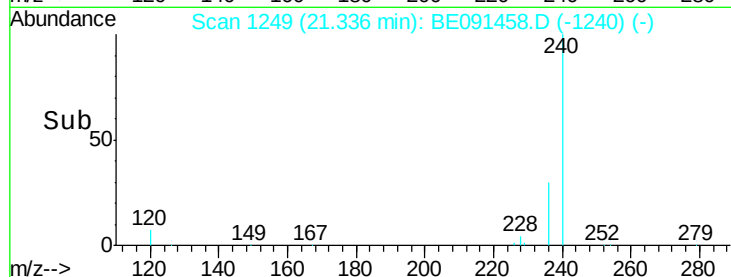
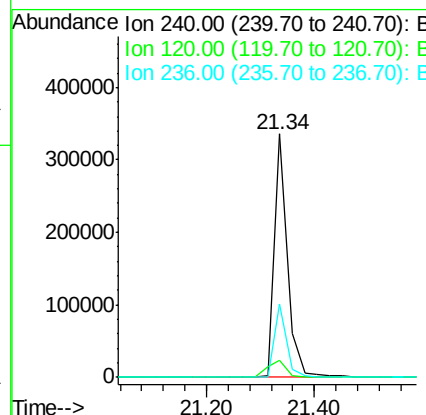
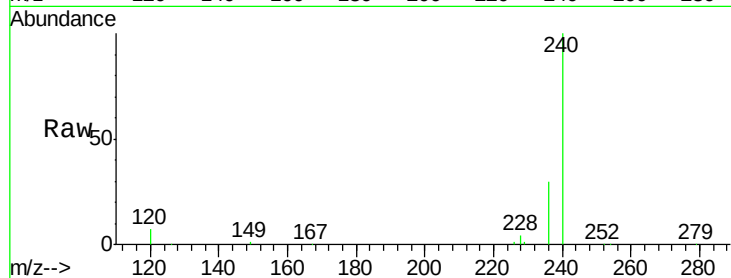
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Instrument :
BNA_E
ClientSampleId :
ICVBE031616

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.2	8.8	13.2#
236	30.4	25.7	38.5

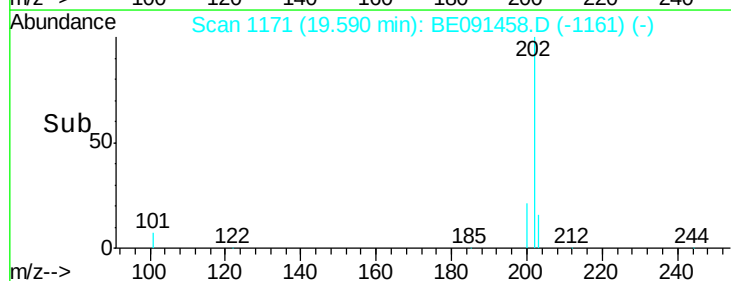
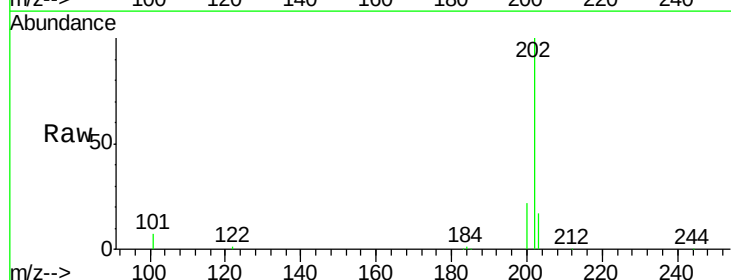
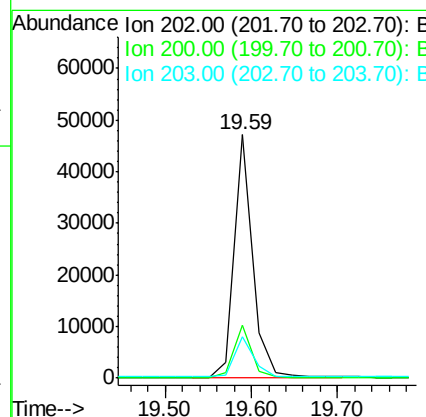
Manual Integrations
APPROVED

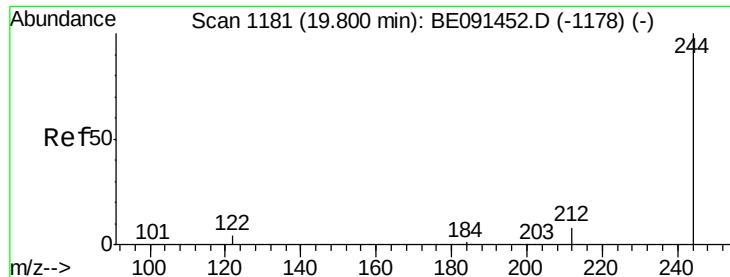
Sohil
3/17/2016 5:22:28 PM



#20
Pyrene
Concen: 0.43 ng
RT: 19.59 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.0	0.0#
203	17.5	0.1	0.1#





#21

Terphenyl-d14

Concen: 0.42 ng

RT: 19.80 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

Instrument :

BNA_E

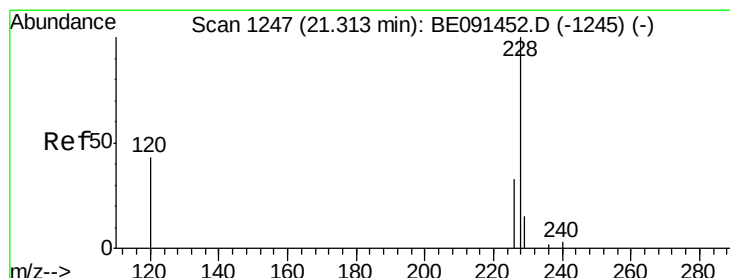
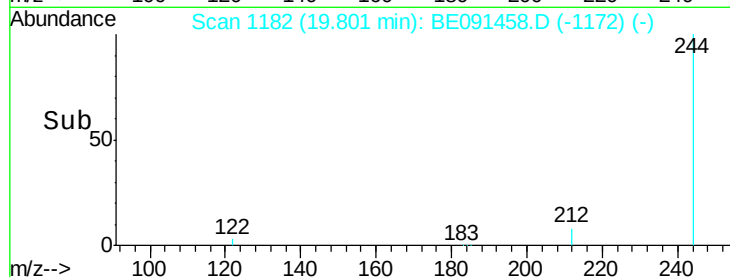
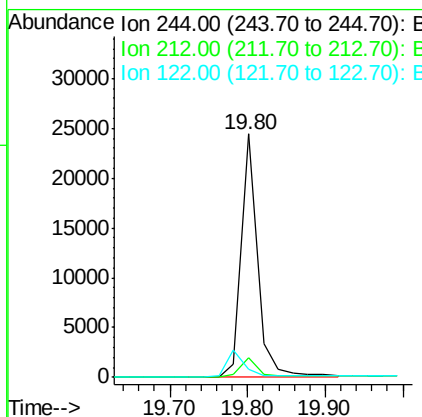
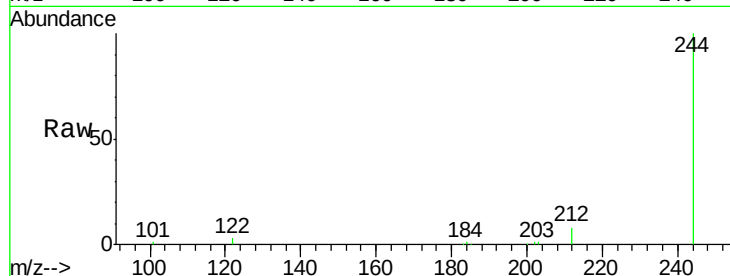
ClientSampleId :

ICVBE031616

Tgt Ion:	244	Resp:	35572
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.6	10.0
122	3.4	3.4	5.0

Manual Integrations
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3/17/2016 5:22:28 PM



#22

Benzo(a)anthracene

Concen: 0.36 ng m

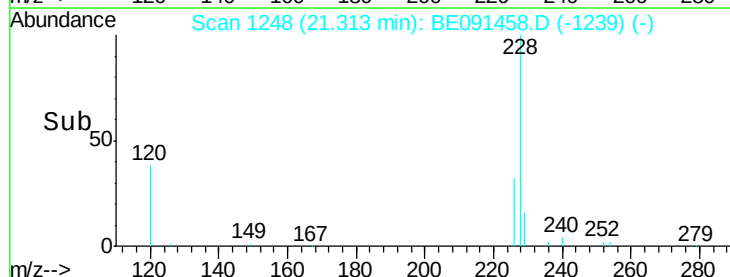
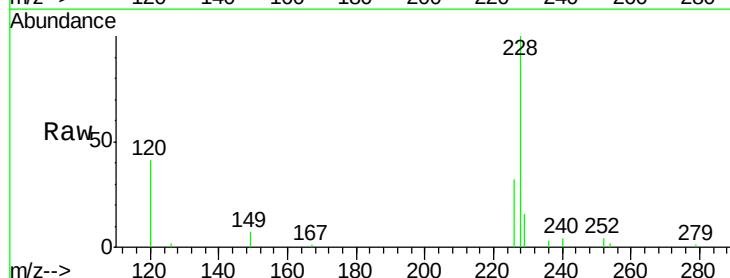
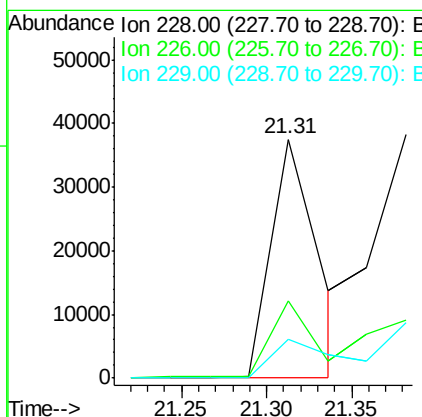
RT: 21.31 min Scan# 1248

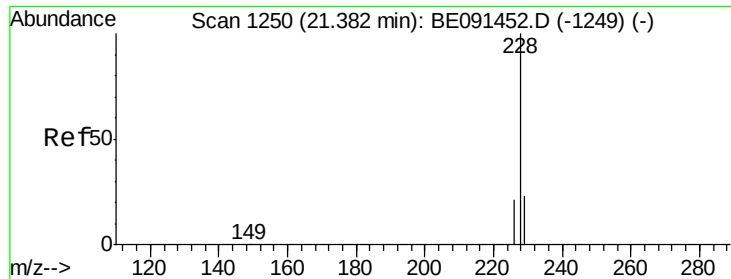
Delta R.T. 0.00 min

Lab File: BE091458.D

Acq: 17 Mar 2016 00:21

Tgt Ion:	228	Resp:	71366
Ion Ratio	Lower	Upper	
228	100		
226	32.5	27.1	40.7
229	16.4	12.3	18.5





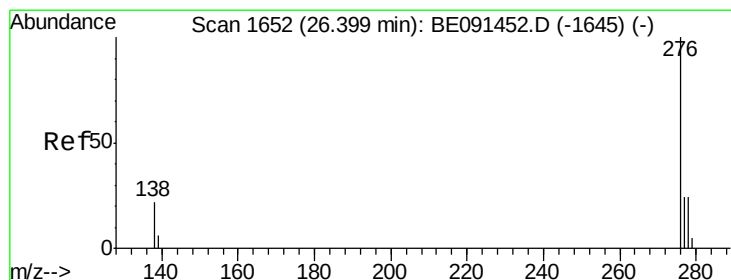
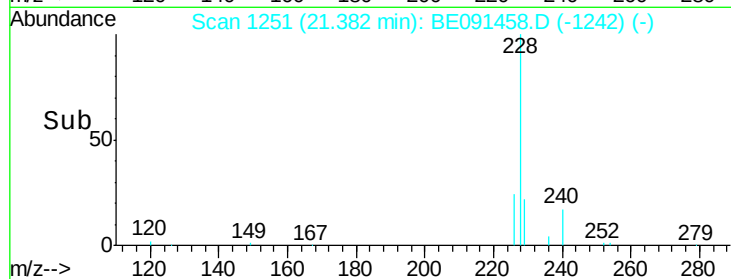
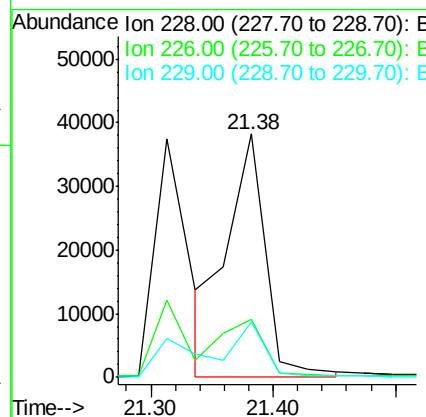
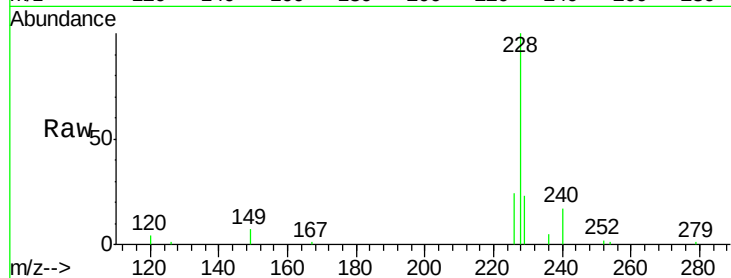
#23
Chrysene
Concen: 0.53 ng m
RT: 21.38 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Instrument :
BNA_E
ClientSampleId :
ICVBE031616

Tgt Ion	Ratio	Lower	Upper
228	100		
226	23.8	20.3	30.5
229	22.6	17.4	26.0

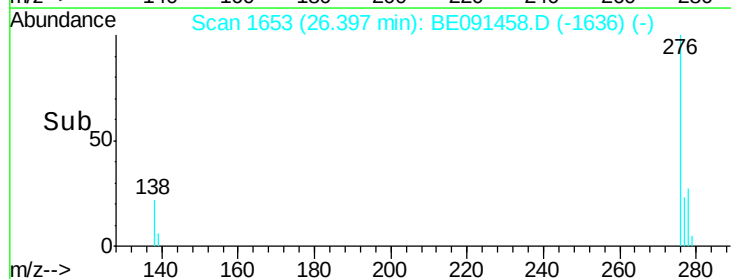
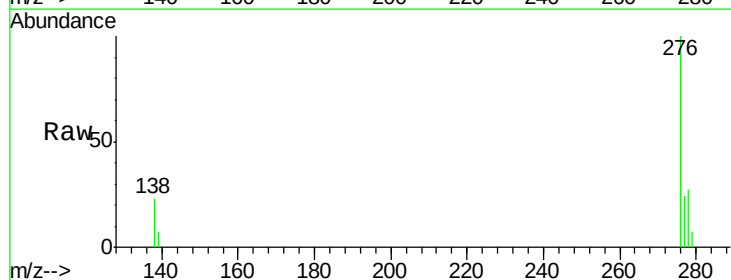
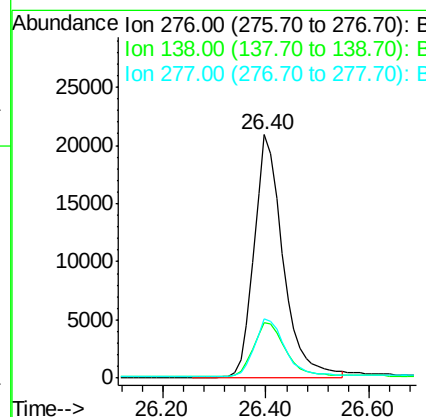
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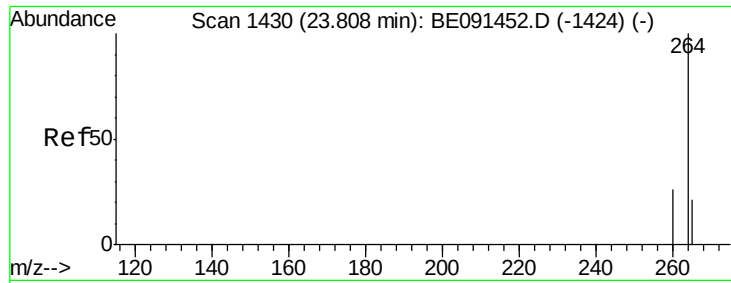
Sohil
3/17/2016 5:22:28 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.43 ng
RT: 26.40 min Scan# 1653
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	0.0	0.0#
277	24.7	0.0	0.0#





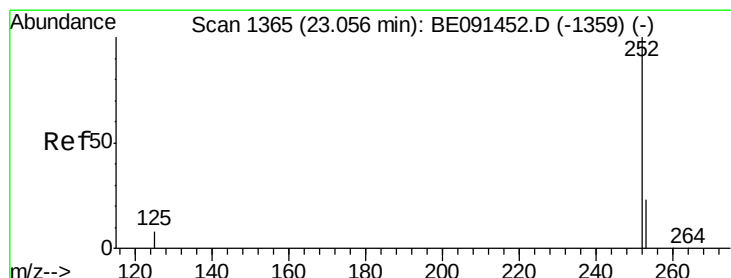
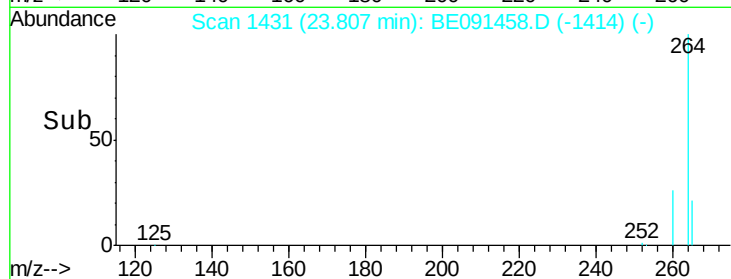
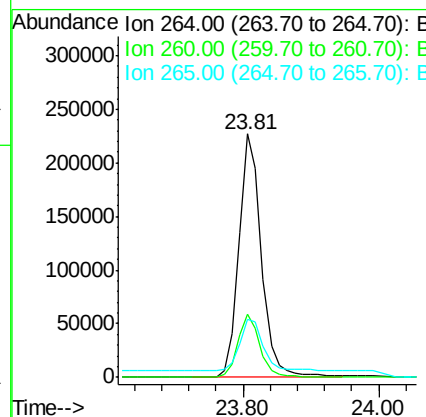
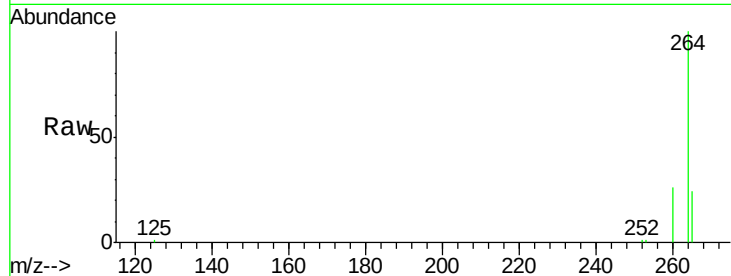
#25
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Instrument :
BNA_E
ClientSampleId :
ICVBE031616

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	526215		
260	25.8	20.7	31.1	
265	24.0	19.4	29.2	

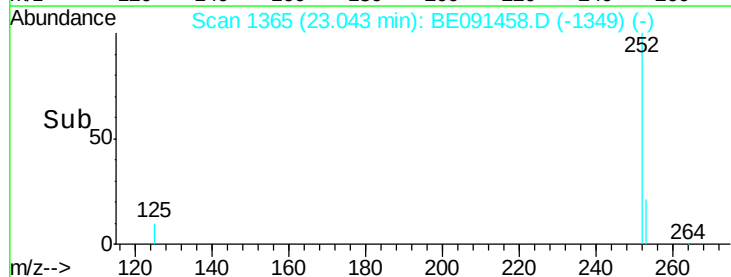
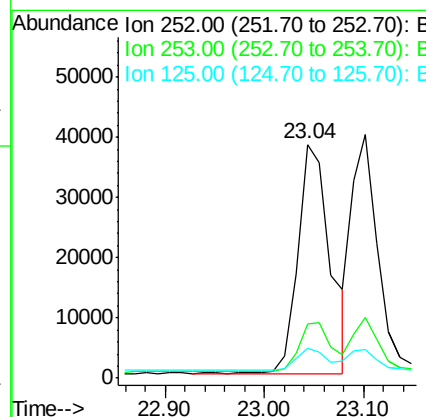
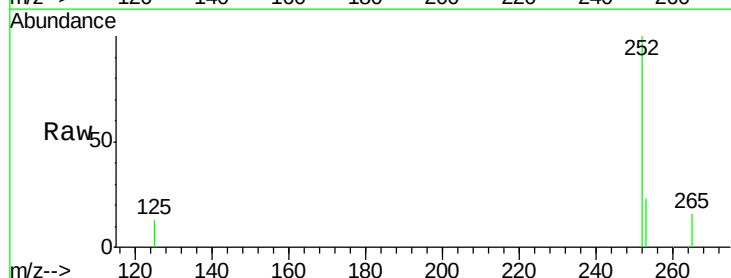
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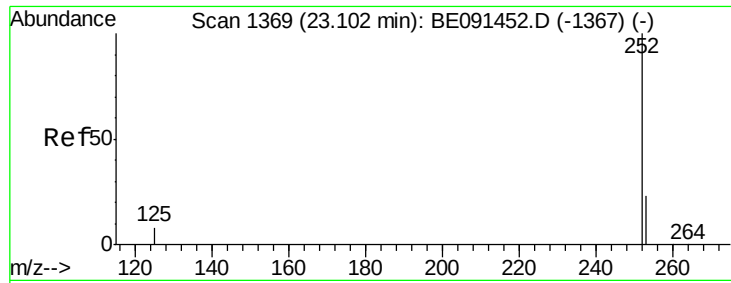
Sohil
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#26
Benzo(b)fluoranthene
Concen: 0.48 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	85449		
253	23.1	20.6	30.8	
125	13.0	10.2	15.4	





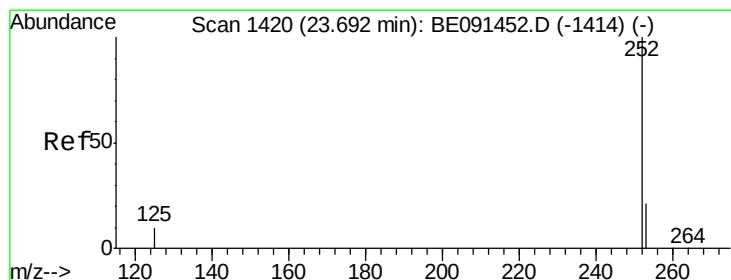
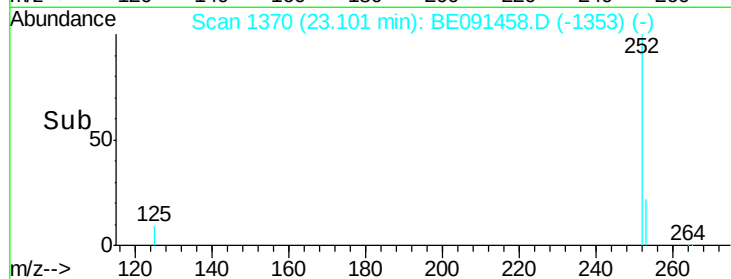
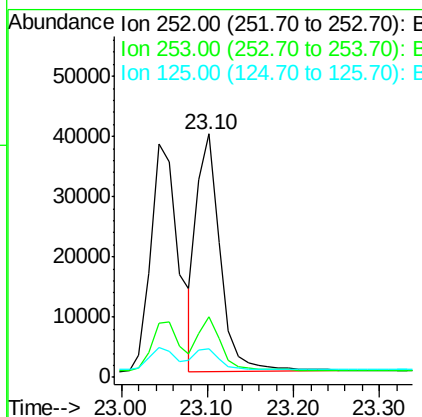
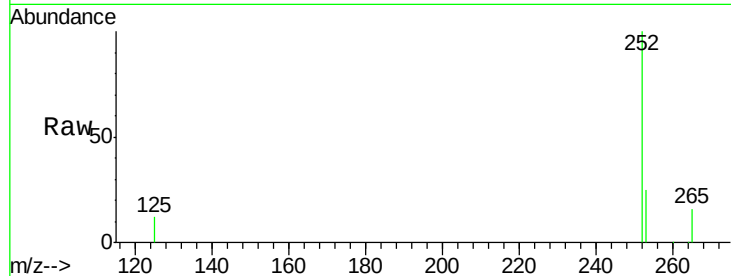
#27
Benzo(k)fluoranthene
Concen: 0.44 ng
RT: 23.10 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Instrument :
BNA_E
ClientSampleId :
ICVBE031616

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.2	30.2
125	11.9	10.6	16.0

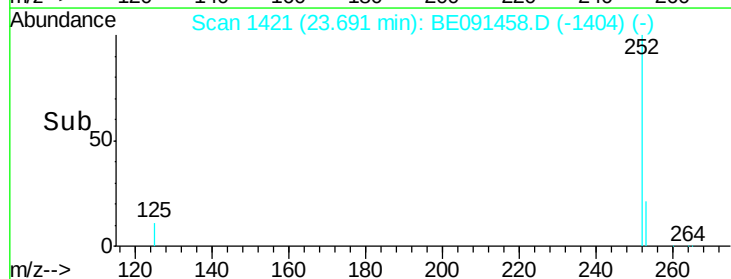
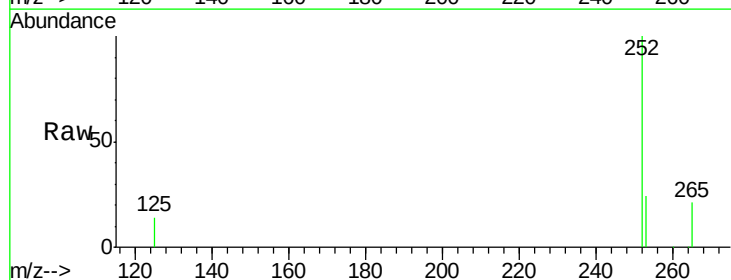
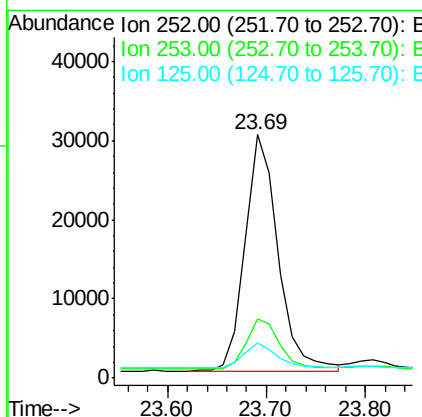
Manual Integrations
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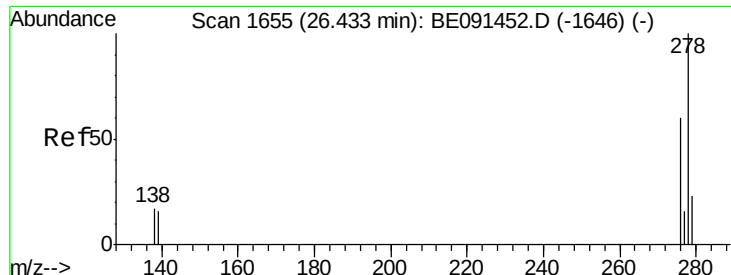
Sohil
3/17/2016 5:22:28 PM



#28
Benzo(a)pyrene
Concen: 0.45 ng
RT: 23.69 min Scan# 1421
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.0	30.0
125	14.5	12.7	19.1





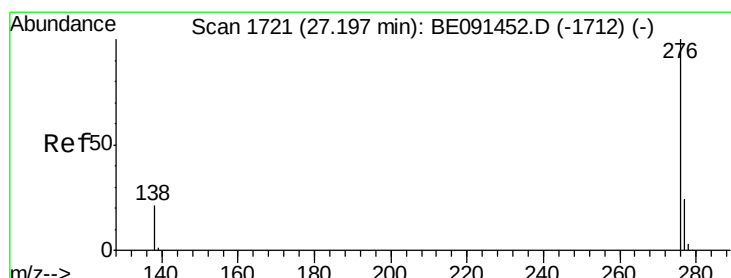
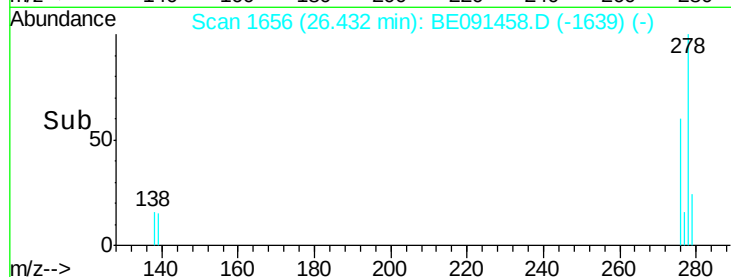
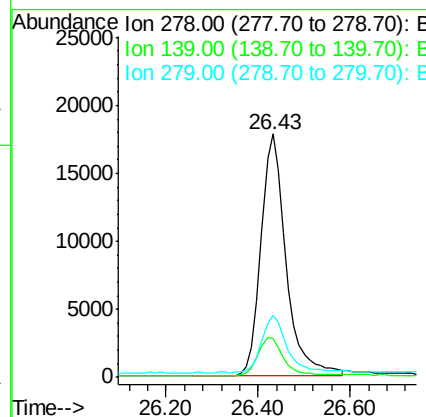
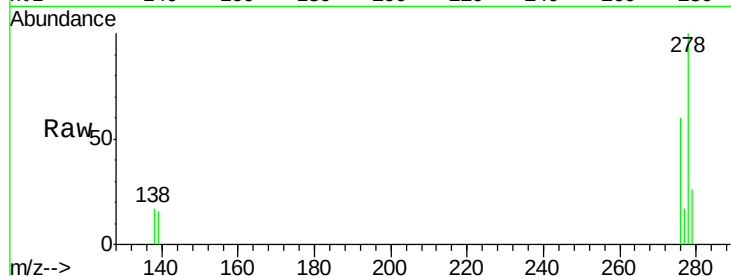
#29
Dibenzo(a,h)anthracene
Concen: 0.46 ng
RT: 26.43 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Instrument :
BNA_E
ClientSampleId :
ICVBE031616

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.3	19.9
279	25.6	20.9	31.3

Manual Integrations
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3/17/2016 5:22:28 PM



#30
Benzo(g,h,i)perylene
Concen: 0.47 ng
RT: 27.20 min Scan# 1722
Delta R.T. -0.00 min
Lab File: BE091458.D
Acq: 17 Mar 2016 00:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	21.7	17.6	26.4

