

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
 Data File : BE091477.D
 Acq On : 17 Mar 2016 21:37
 Operator : UM/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE031816

Manual Integrations
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 3/18/2016 6:10:59 PM

Quant Time: Mar 18 04:47:47 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 04:36:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	48732	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	222874	5.00	ng	0.00
10) Acenaphthene-d10	14.44	164	134832	5.00	ng	0.00
16) Phenanthrene-d10	17.18	188	352925	5.00	ng	0.00
22) Chrysene-d12	21.34	240	511793	5.00	ng	0.00
28) Perylene-d12	23.81	264	454848	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	5405	0.48	ng	0.00
5) Phenol-d6	6.99	99	6730	0.46	ng	0.00
7) Nitrobenzene-d5	8.98	82	4783	0.60	ng	0.00
11) 2,4,6-Tribromophenol	15.93	330	1640m	0.57	ng	0.00
12) 2-Fluorobiphenyl	13.07	172	16129	0.48	ng	0.00
24) Terphenyl-d14	19.80	244	29170	0.47	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	3102	0.51	ng	98
3) n-Nitrosodimethylamine	3.68	42	4105	0.47	ng	97
8) Naphthalene	10.65	128	26903	0.49	ng	99
9) 2-Methylnaphthalene	12.27	142	16610	0.47	ng	99
13) Acenaphthylene	14.16	152	25430	0.50	ng	# 94
14) Acenaphthene	14.50	154	20640	0.50	ng	99
15) Fluorene	15.49	166	25760	0.49	ng	100
17) Hexachlorobenzene	16.48	284	7287	0.47	ng	99
18) Pentachlorophenol	16.83	266	2574	0.58	ng	98
19) Phenanthrene	17.22	178	49400	0.49	ng	99
20) Anthracene	17.31	178	41038	0.46	ng	100
21) Fluoranthene	19.22	202	55566	0.48	ng	100
23) Pyrene	19.59	202	59368	0.47	ng	100
25) Benzo(a)anthracene	21.31	228	66946m	0.48	ng	
26) Chrysene	21.38	228	67773m	0.44	ng	
27) Indeno(1,2,3-cd)pyrene	26.39	276	68132	0.46	ng	100
29) Benzo(b)fluoranthene	23.05	252	68684	0.48	ng	99
30) Benzo(k)fluoranthene	23.09	252	65832	0.45	ng	97
31) Benzo(a)pyrene	23.69	252	55584	0.44	ng	98
32) Dibenzo(a,h)anthracene	26.42	278	56405	0.45	ng	98
33) Benzo(g,h,i)perylene	27.18	276	60013	0.46	ng	99

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

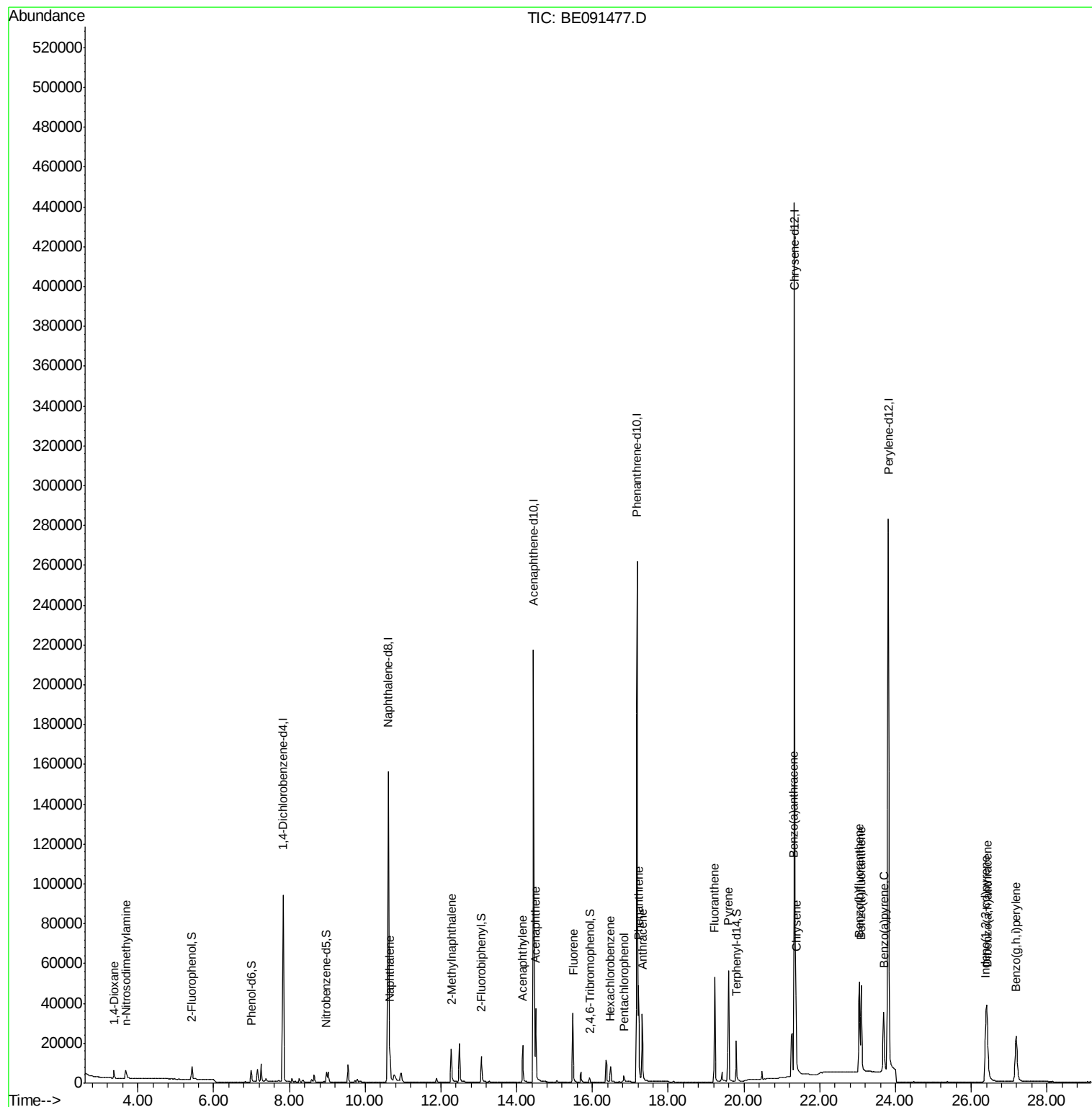
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031816\
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. -0.00 min

Lab File: BE091477.D

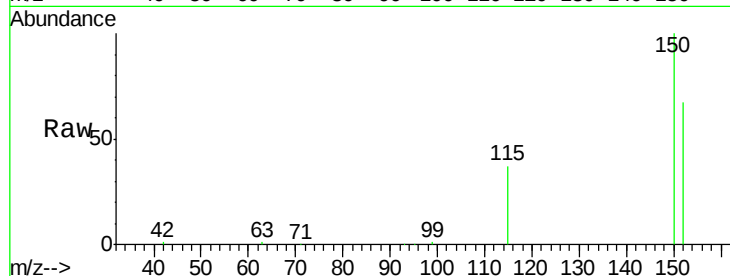
Acq: 17 Mar 2016 21:37

Instrument :

BNA_E

ClientSampleId :

ICVBE031816



Tgt Ion: 152 Resp: 48732

Ion Ratio Lower Upper

152 100

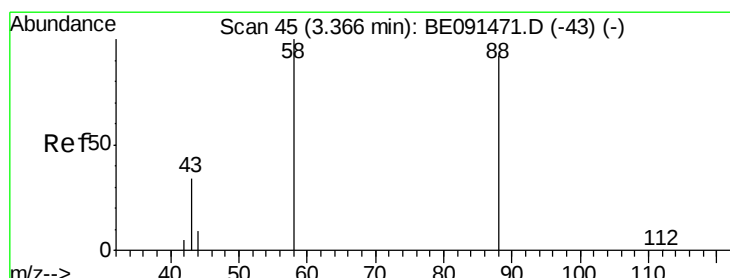
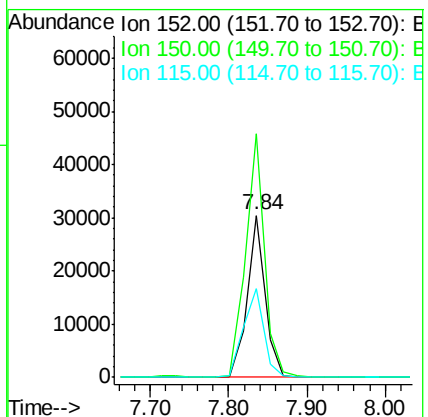
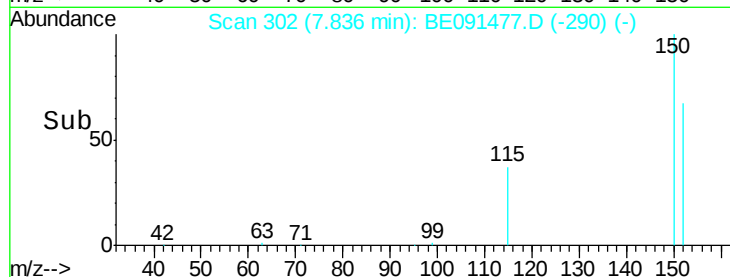
150 150.0 122.2 183.2

115 55.1 45.9 68.9

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#2

1,4-Dioxane

Concen: 0.51 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

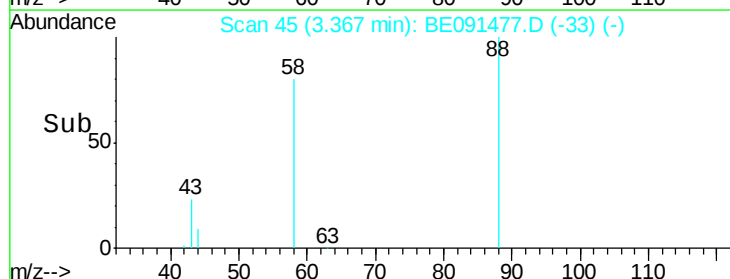
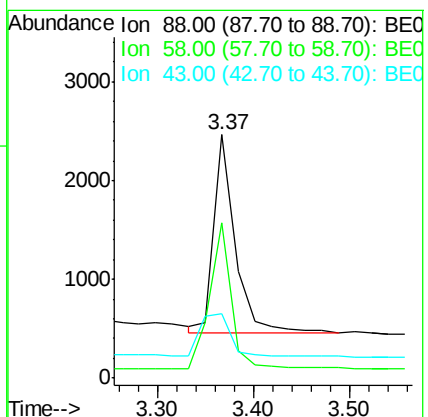
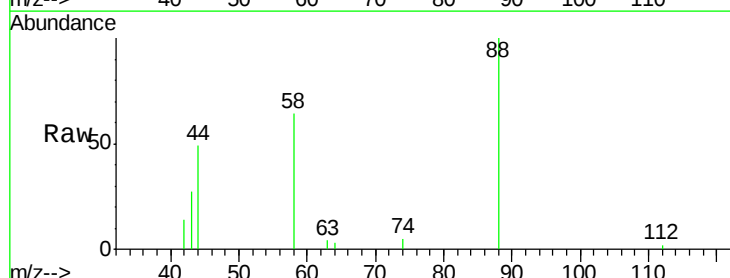
Tgt Ion: 88 Resp: 3102

Ion Ratio Lower Upper

88 100

58 73.6 61.0 91.6

43 31.7 25.4 38.2





#3

n-Nitrosodimethylamine

Concen: 0.47 ng

RT: 3.68 min Scan# 63

Delta R.T. 0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

Instrument :

BNA_E

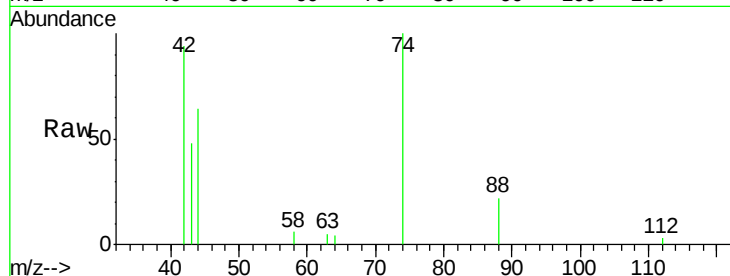
ClientSampleId :

ICVBE031816

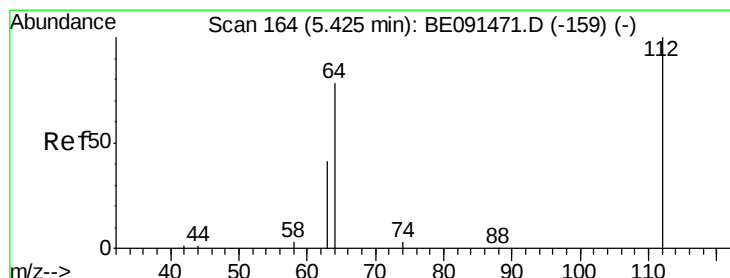
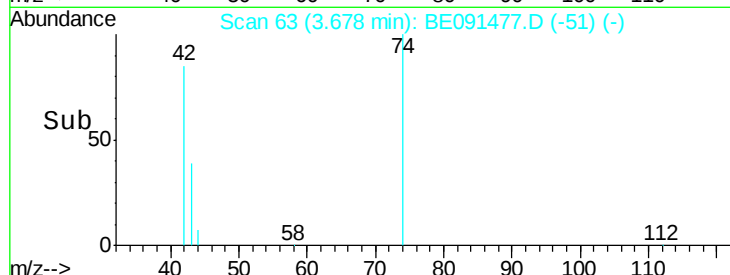
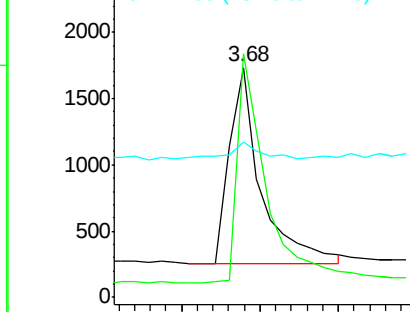
Tgt Ion:	42	Resp:	4105
Ion	Ratio	Lower	Upper
42	100		
74	108.2	84.3	126.5
44	8.3	6.7	10.1

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Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.48 ng

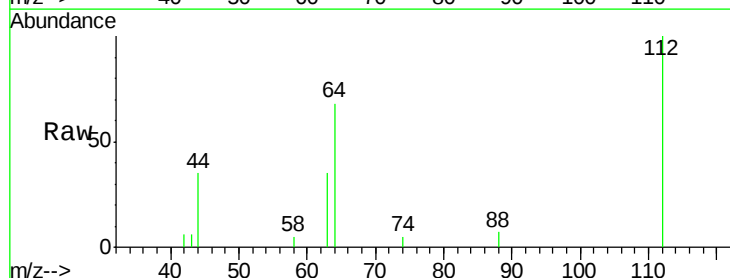
RT: 5.43 min Scan# 164

Delta R.T. 0.00 min

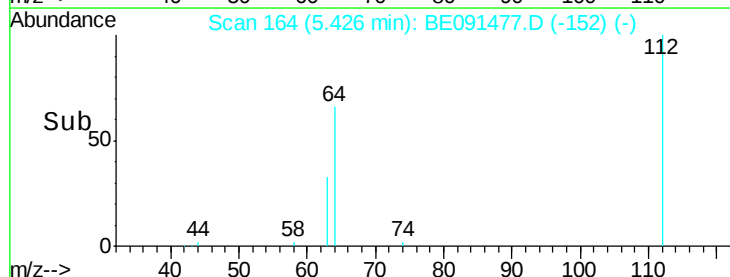
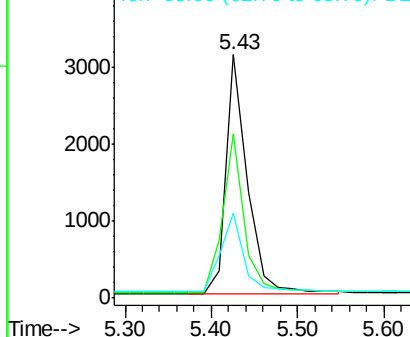
Lab File: BE091477.D

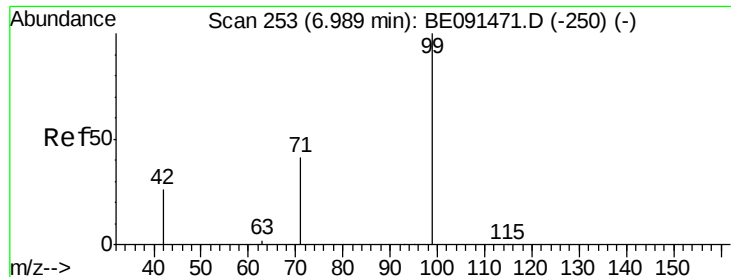
Acq: 17 Mar 2016 21:37

Tgt Ion:	112	Resp:	5405
Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.3	79.9
63	35.7	29.8	44.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.46 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

Instrument :

BNA_E

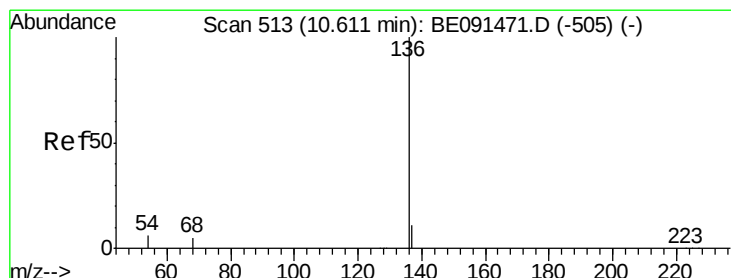
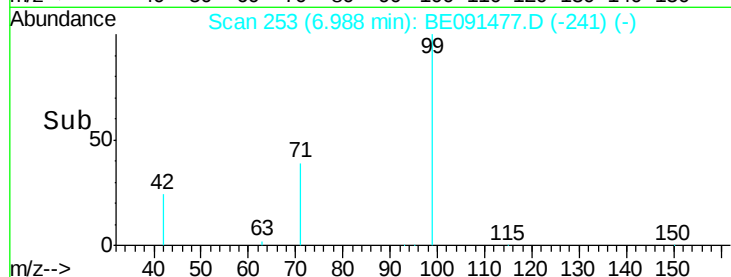
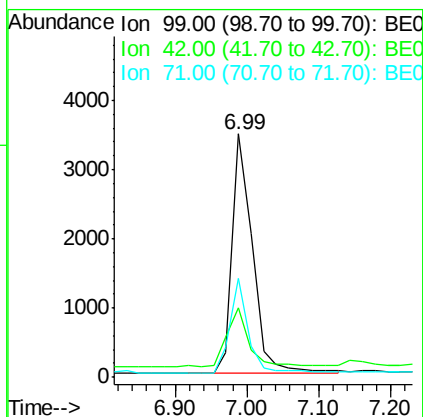
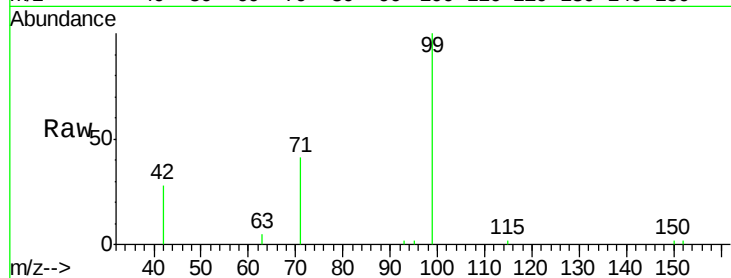
ClientSampleId :

ICVBE031816

Tgt Ion:	99	Resp:	6730
Ion	Ratio	Lower	Upper
99	100		
42	26.2	20.6	30.8
71	36.3	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

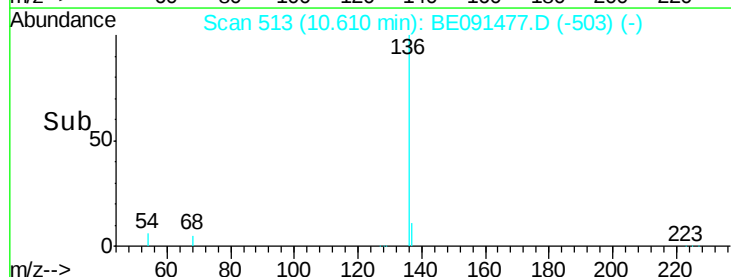
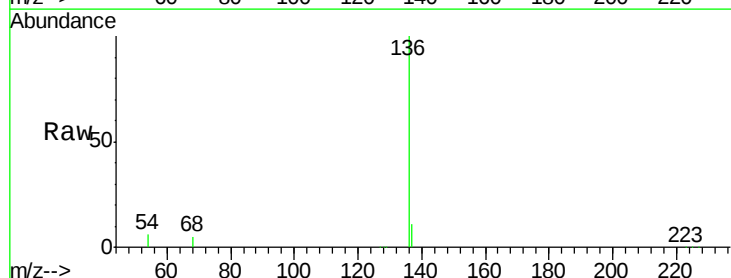
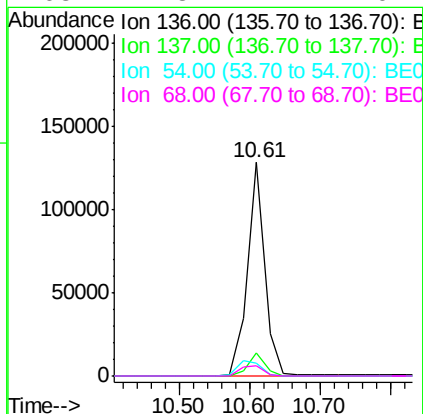
RT: 10.61 min Scan# 513

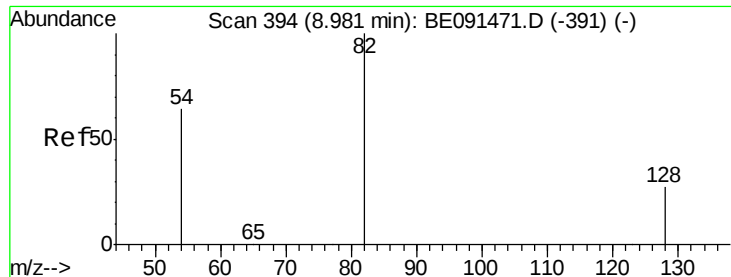
Delta R.T. -0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

Tgt Ion:	136	Resp:	222874
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.0	5.2	7.8
68	4.8	4.1	6.1





#7

Nitrobenzene-d5

Concen: 0.60 ng

RT: 8.98 min Scan# 394

Delta R.T. 0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

Instrument :

BNA_E

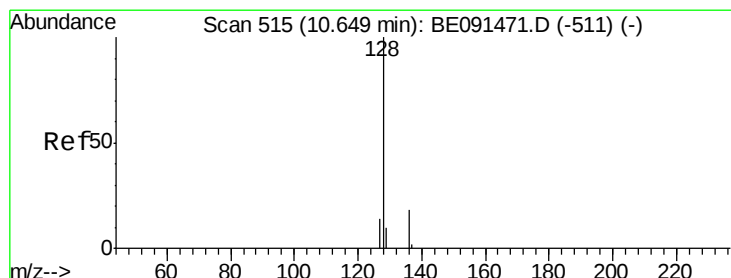
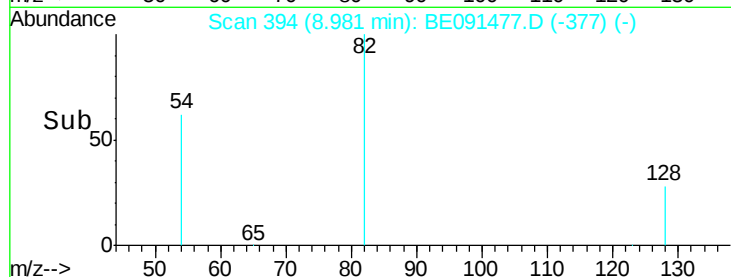
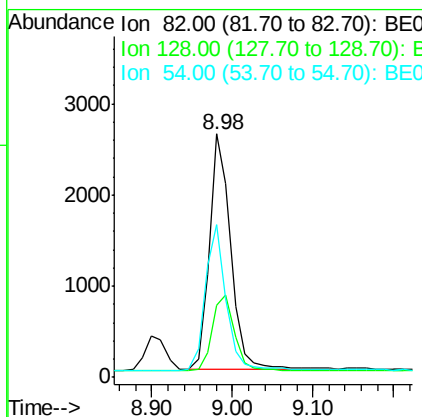
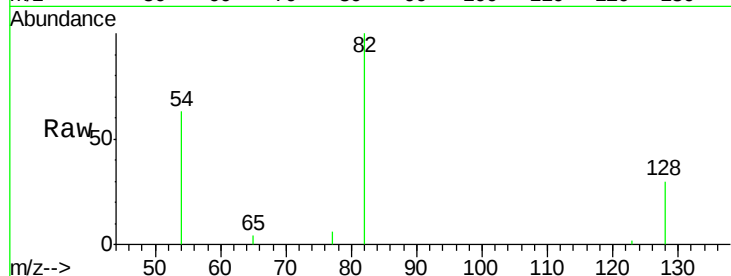
ClientSampleId :

ICVBE031816

Tgt Ion:	82	Resp:	4783
Ion Ratio	Lower	Upper	
82	100		
128	29.7	23.5	35.3
54	62.8	52.4	78.6

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#8

Naphthalene

Concen: 0.49 ng

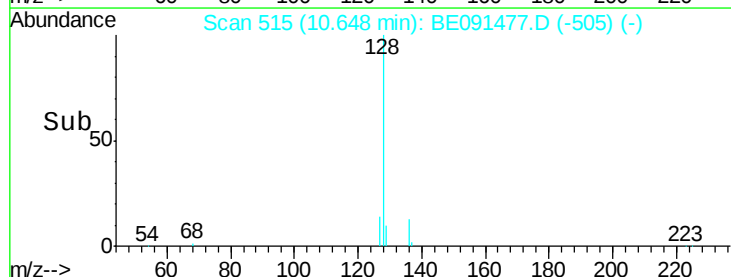
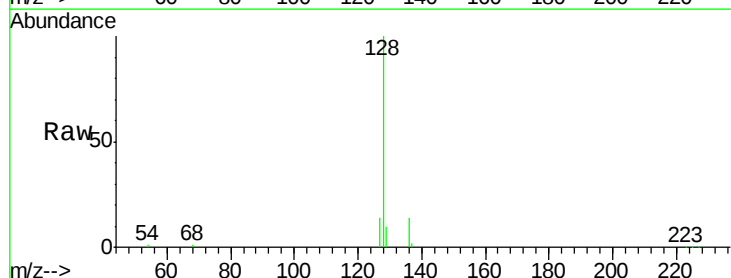
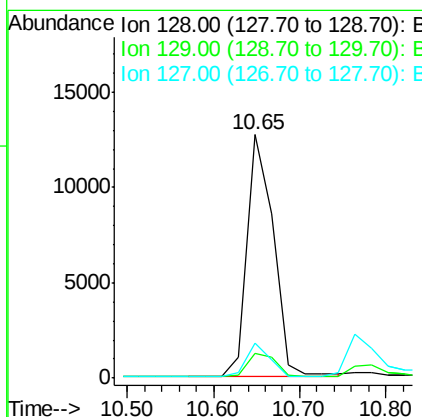
RT: 10.65 min Scan# 515

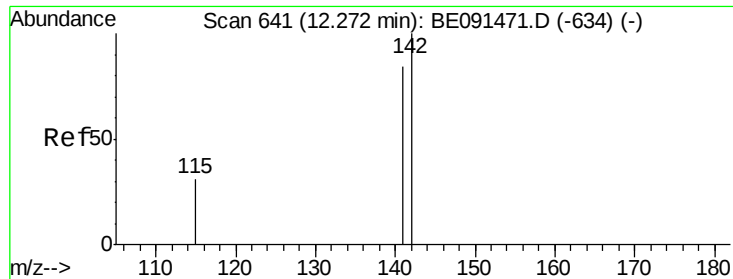
Delta R.T. -0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

Tgt Ion:	128	Resp:	26903
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.2	12.2
127	14.3	11.8	17.8





#9

2-Methylnaphthalene

Concen: 0.47 ng

RT: 12.27 min Scan# 641

Delta R.T. 0.00 min

Lab File: BE091477.D

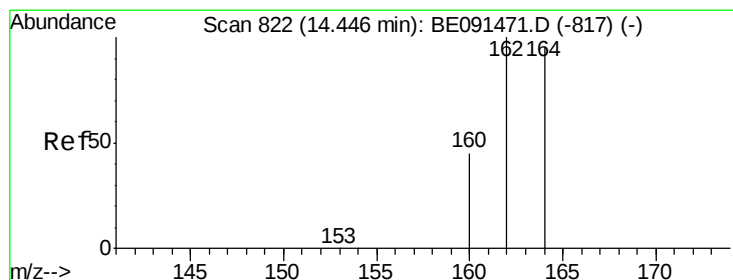
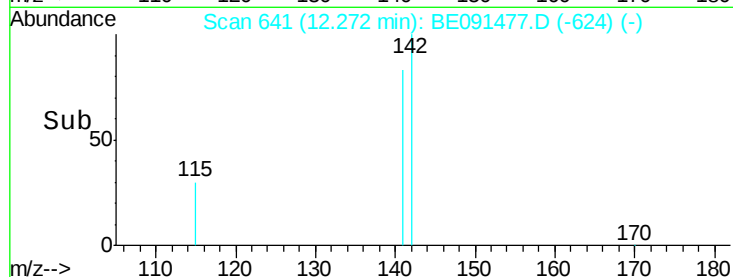
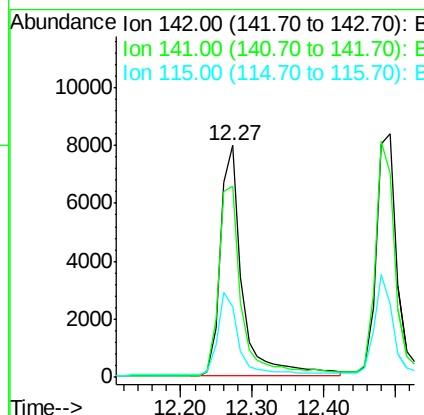
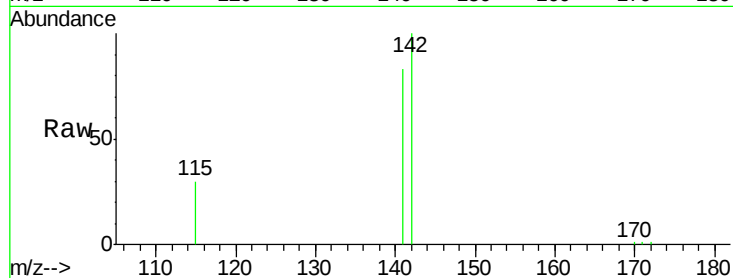
Acq: 17 Mar 2016 21:37

Instrument :
BNA_E
ClientSampleId :
ICVBE031816

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	66.9	100.3
115	30.4	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

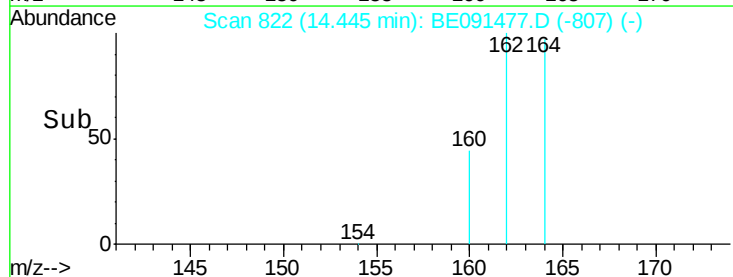
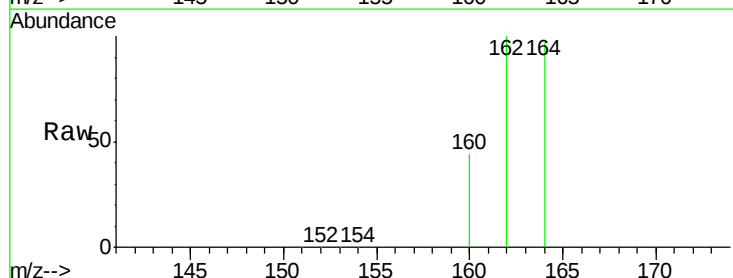
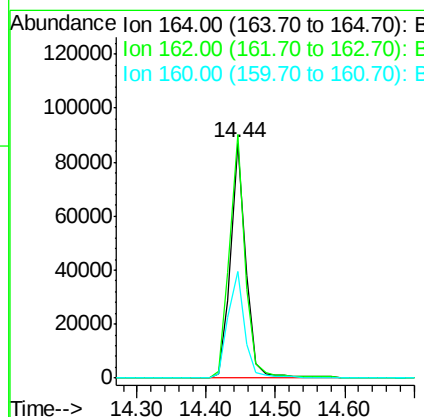
RT: 14.44 min Scan# 822

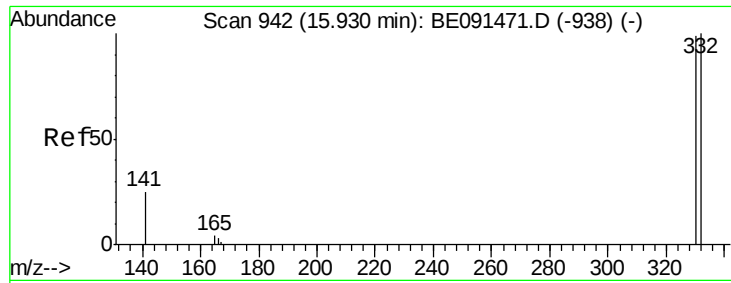
Delta R.T. -0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

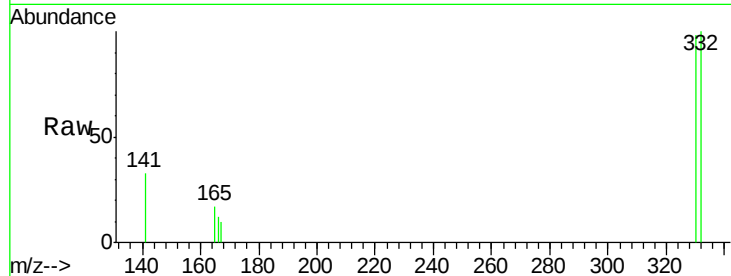
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	84.4	126.6
160	45.5	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 0.57 ng m
 RT: 15.93 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BE091477.D
 Acq: 17 Mar 2016 21:37

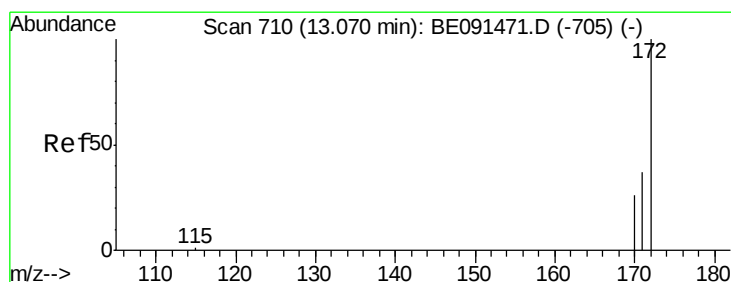
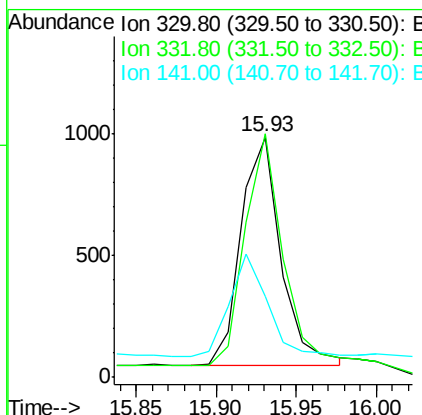
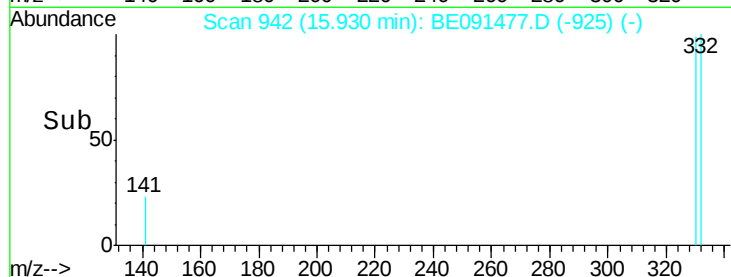
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE031816



Tgt Ion: 330 Resp: 1640
 Ion Ratio Lower Upper
 330 100
 332 139.4 79.2 118.8#
 141 42.3 28.1 42.1#

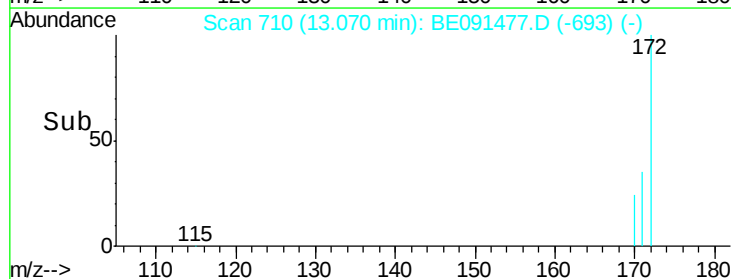
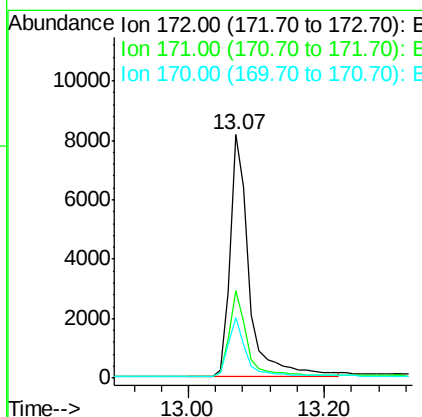
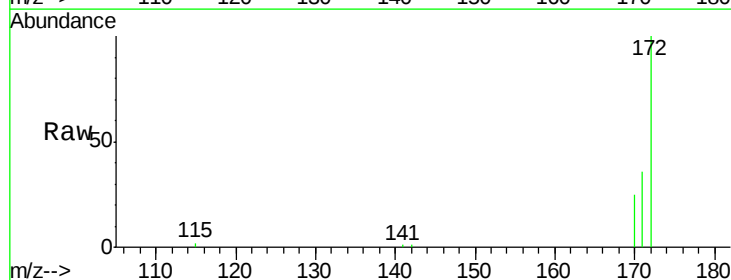
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#12
 2-Fluorobiphenyl
 Concen: 0.48 ng
 RT: 13.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BE091477.D
 Acq: 17 Mar 2016 21:37

Tgt Ion: 172 Resp: 16129
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.8 44.8
 170 24.8 21.4 32.2





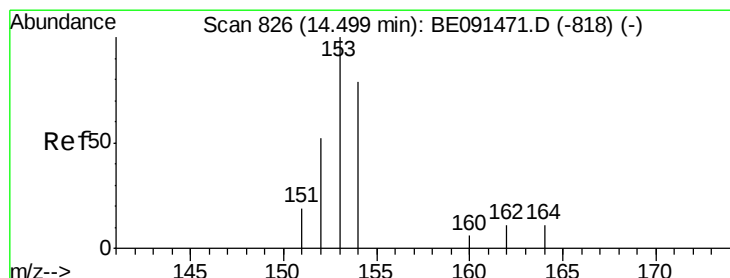
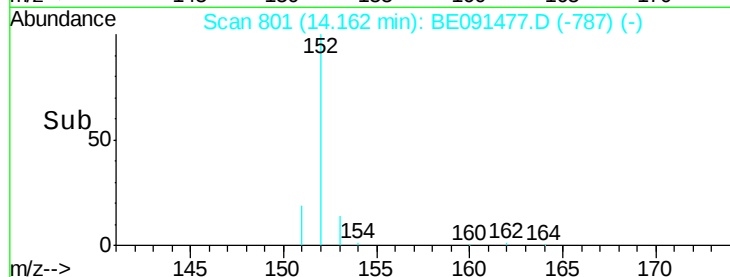
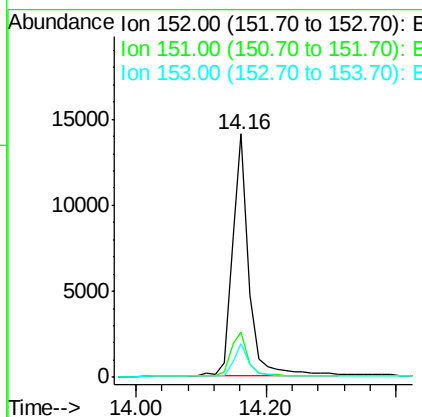
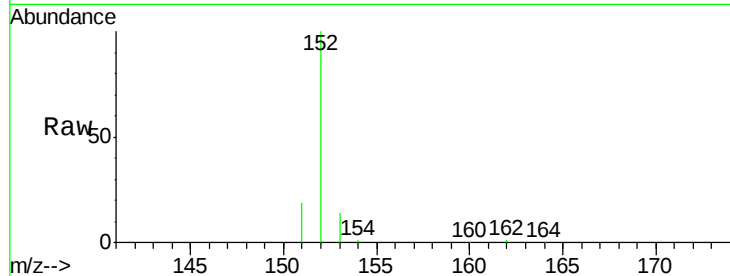
#13
Acenaphthylene
Concen: 0.50 ng
RT: 14.16 min Scan# 801
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Instrument :
BNA_E
ClientSampleId :
ICVBE031816

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.2	16.3	24.5#
153	13.9	11.1	16.7

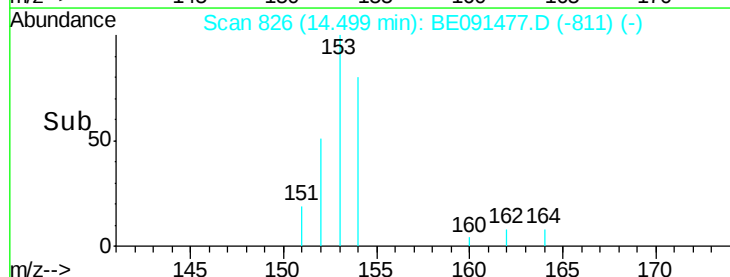
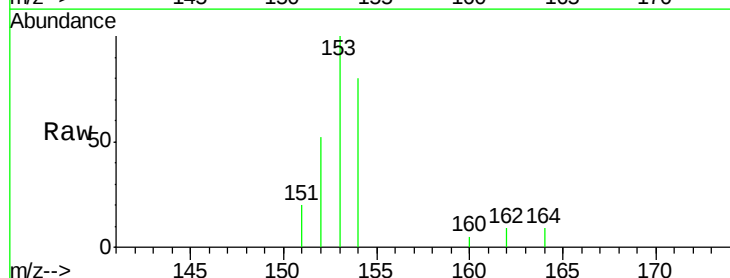
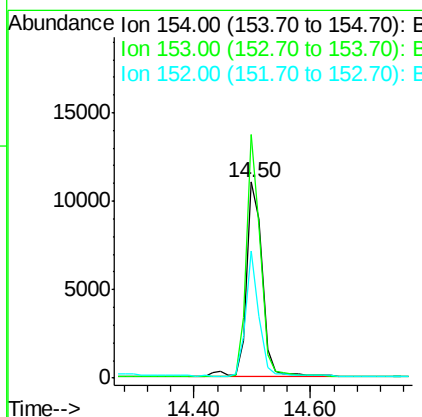
Manual Integrations
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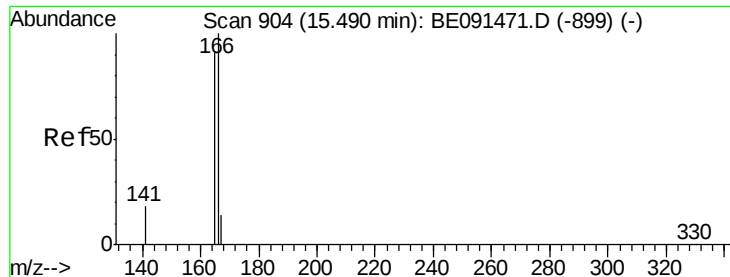
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#14
Acenaphthene
Concen: 0.50 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.2	87.3	130.9
152	53.4	42.9	64.3





#15

Fluorene

Concen: 0.49 ng

RT: 15.49 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE091477.D

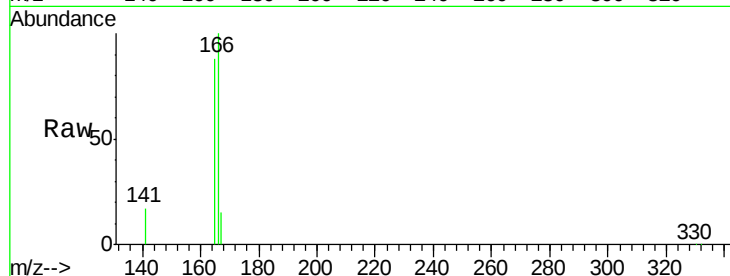
Acq: 17 Mar 2016 21:37

Instrument :

BNA_E

ClientSampleId :

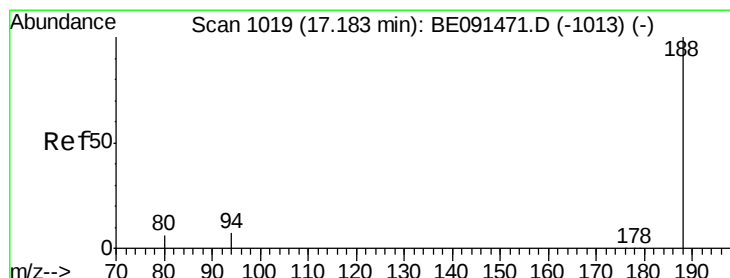
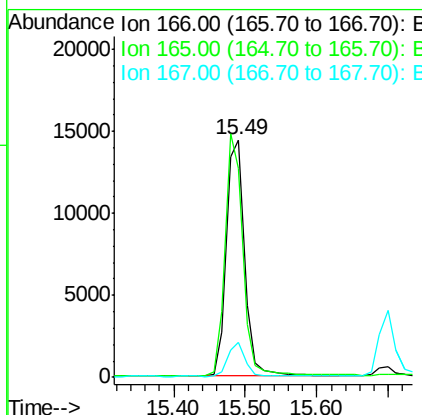
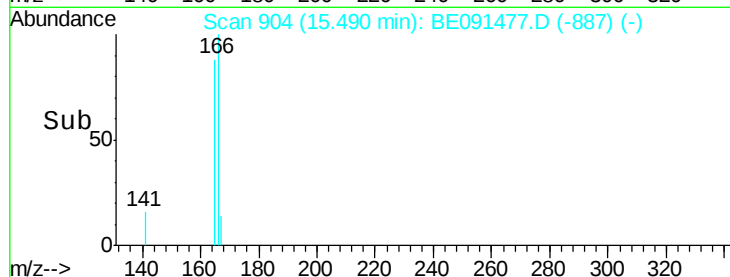
ICVBE031816



Tgt Ion:	166	Resp:	25760
Ion Ratio	Lower	Upper	
166	100		
165	98.9	79.2	118.8
167	13.6	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

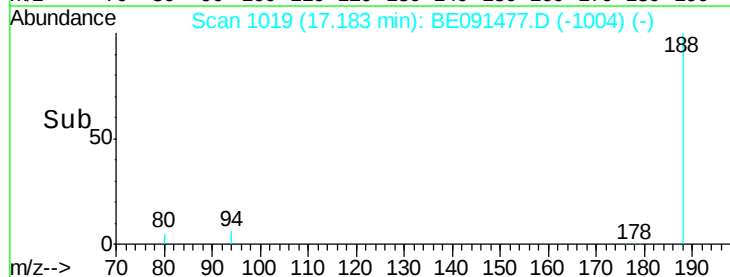
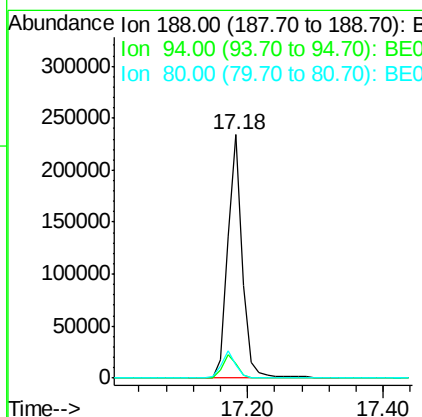
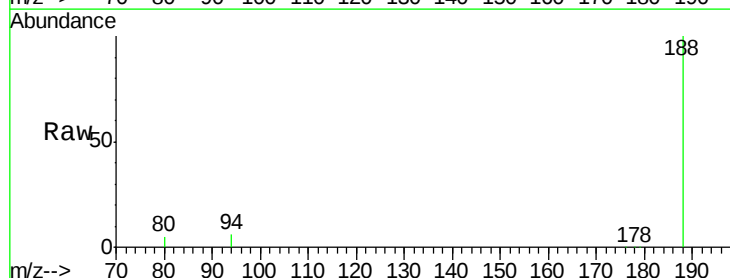
RT: 17.18 min Scan# 1019

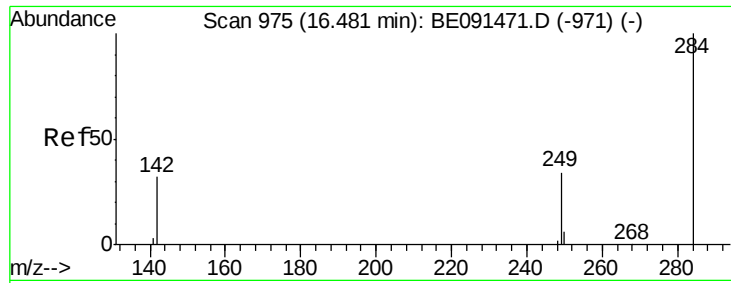
Delta R.T. -0.00 min

Lab File: BE091477.D

Acq: 17 Mar 2016 21:37

Tgt Ion:	188	Resp:	352925
Ion Ratio	Lower	Upper	
188	100		
94	6.2	5.4	8.2
80	5.4	5.0	7.4





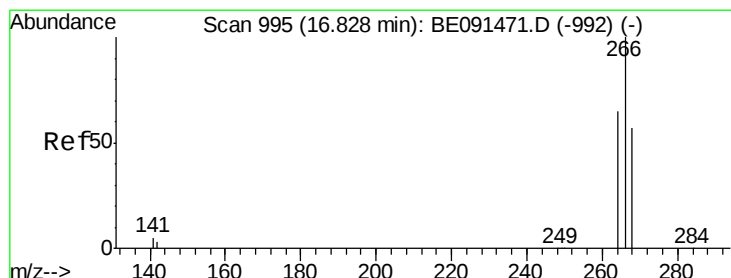
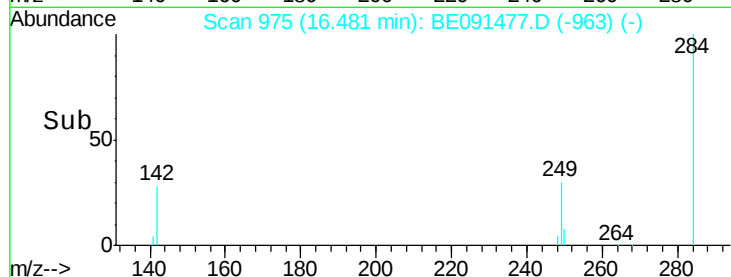
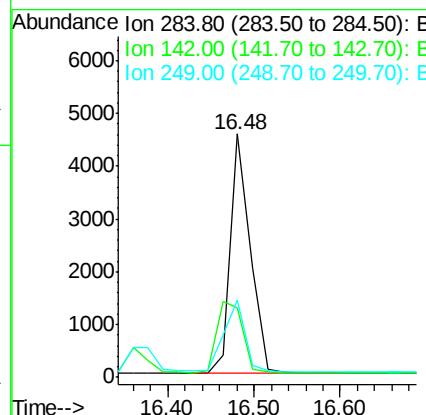
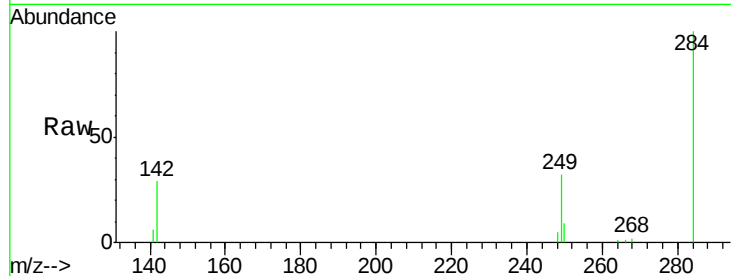
#17
Hexachlorobenzene
Concen: 0.47 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Instrument :
BNA_E
ClientSampleId :
ICVBE031816

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.4	31.0	46.4
249	31.5	25.8	38.8

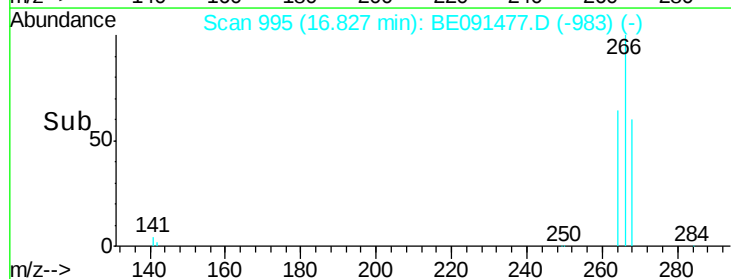
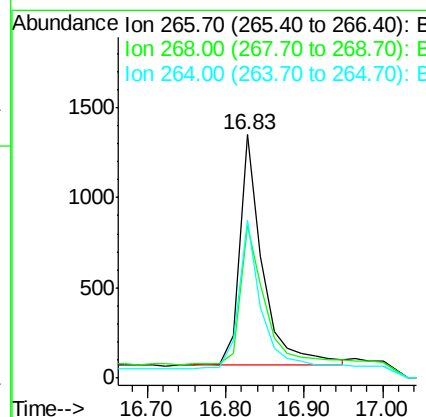
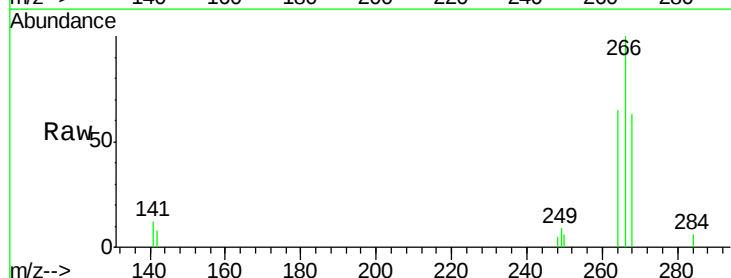
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#18
Pentachlorophenol
Concen: 0.58 ng
RT: 16.83 min Scan# 995
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	48.2	72.2
264	64.6	52.1	78.1





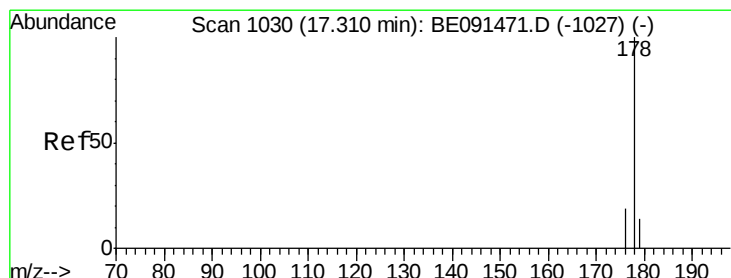
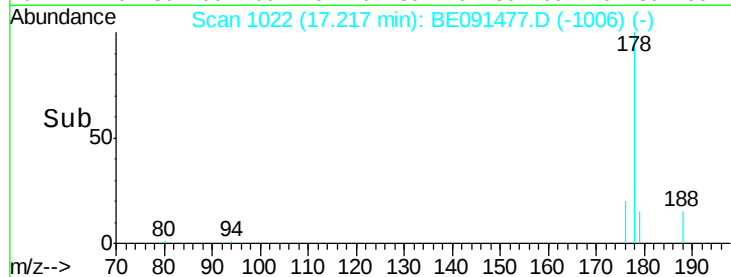
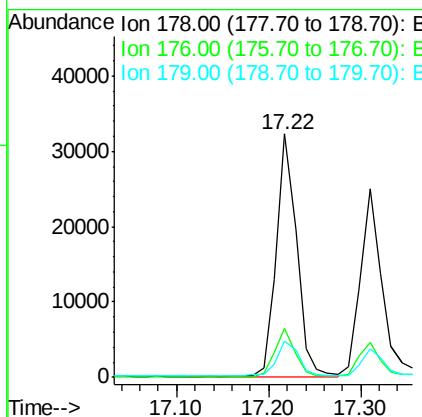
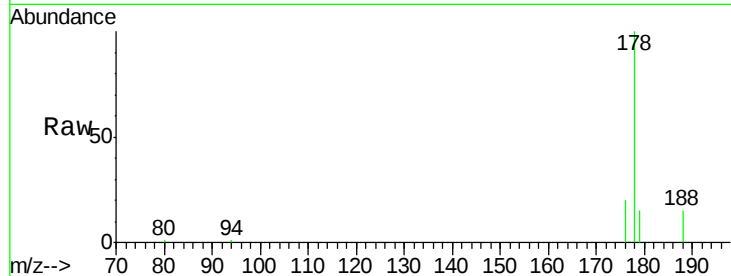
#19
Phenanthrene
Concen: 0.49 ng
RT: 17.22 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Instrument :
BNA_E
ClientSampleId :
ICVBE031816

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	16.0	13.1	19.7

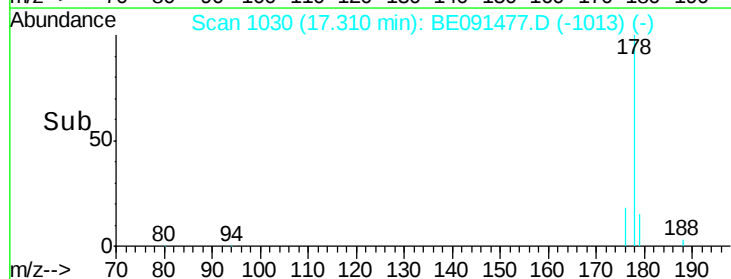
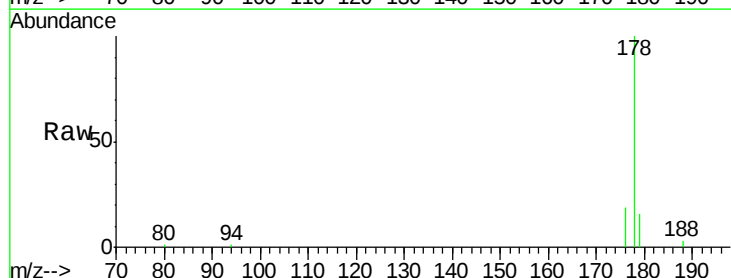
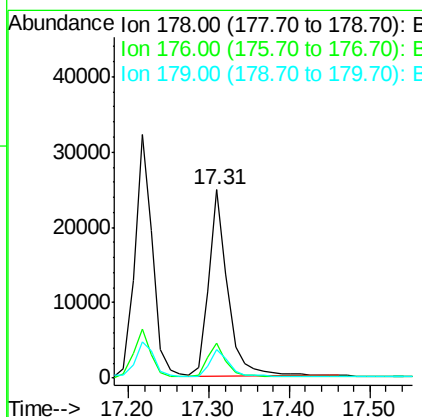
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#20
Anthracene
Concen: 0.46 ng
RT: 17.31 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.2	12.2	18.4





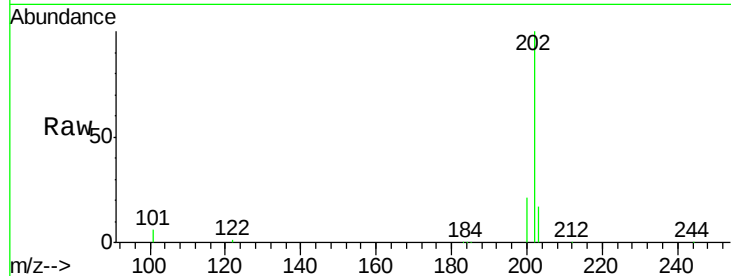
#21
 Fluoranthene
 Concen: 0.48 ng
 RT: 19.22 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BE091477.D
 Acq: 17 Mar 2016 21:37

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE031816

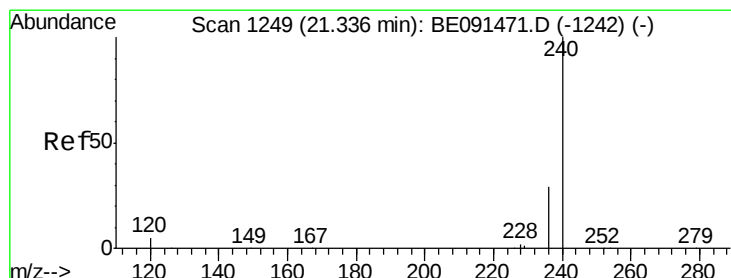
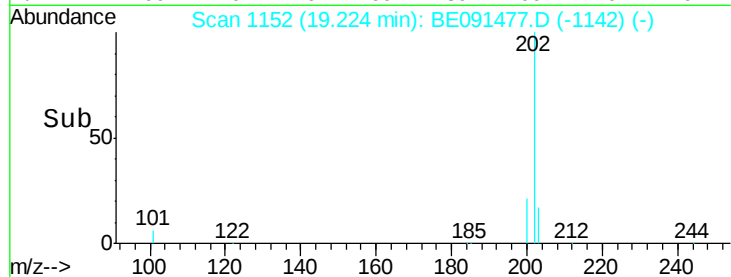
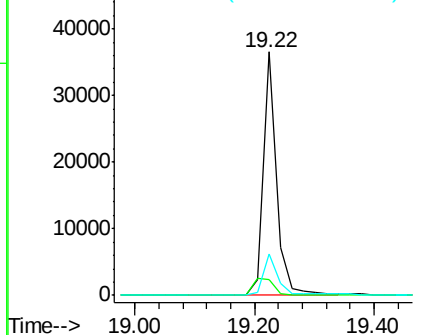
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.4	8.3	12.5
203	17.5	13.9	20.9

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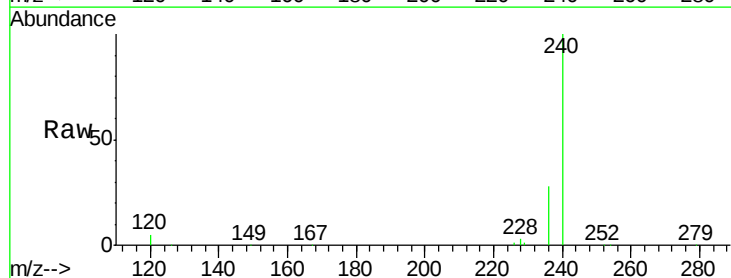


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

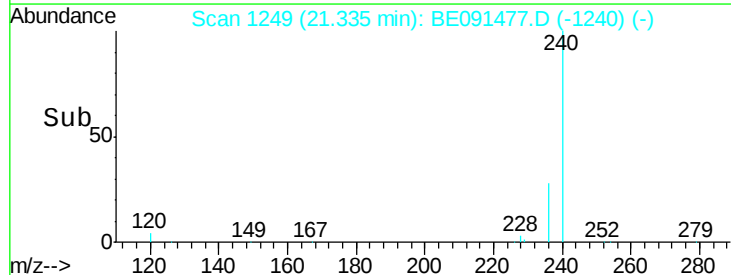
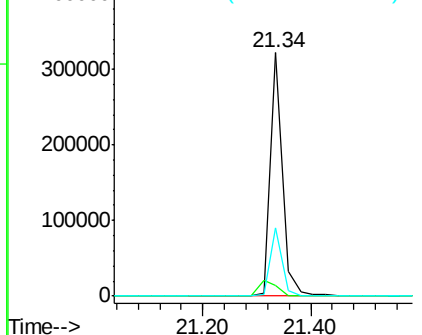


#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BE091477.D
 Acq: 17 Mar 2016 21:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	4.5	4.0	6.0
236	27.8	23.0	34.4



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





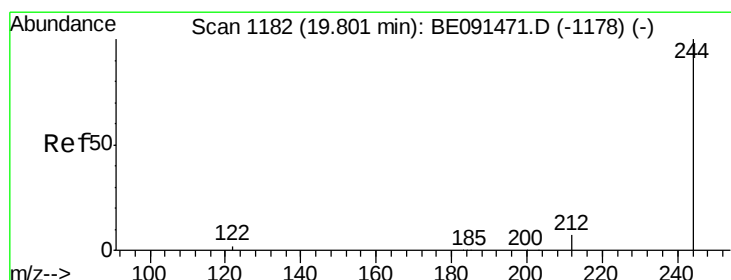
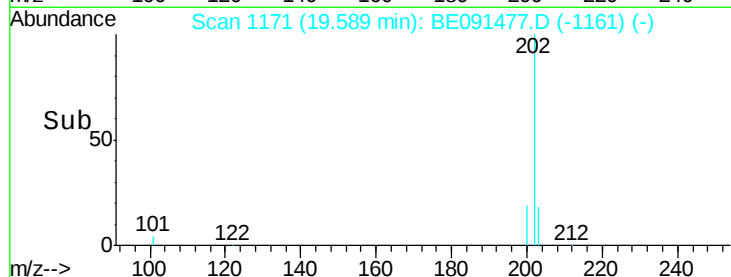
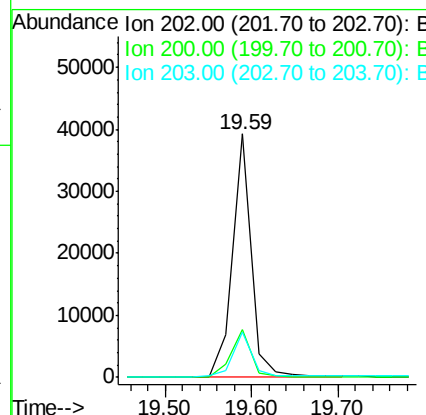
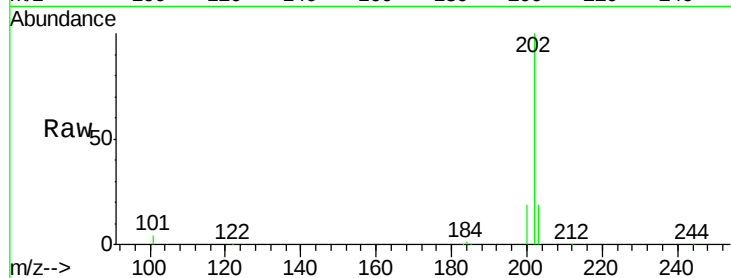
#23
 Pyrene
 Concen: 0.47 ng
 RT: 19.59 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BE091477.D
 Acq: 17 Mar 2016 21:37

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE031816

Tgt Ion:	202	Resp:	59368
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.4	24.6
203	18.3	14.6	21.8

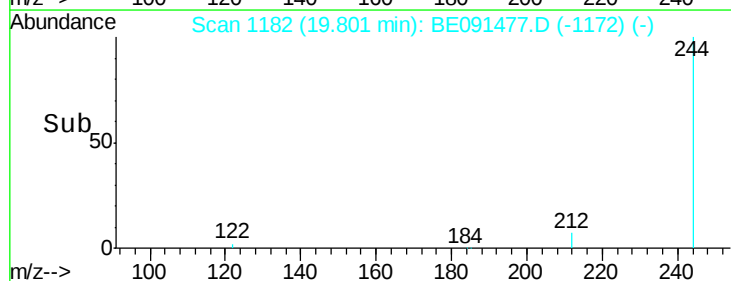
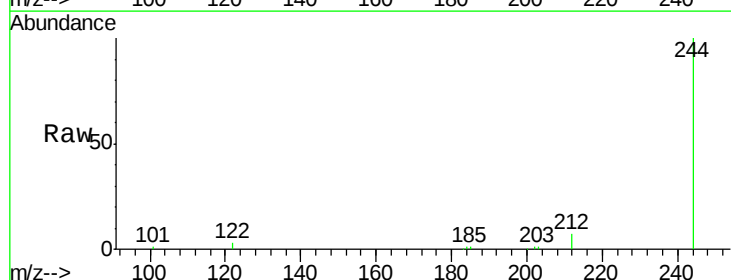
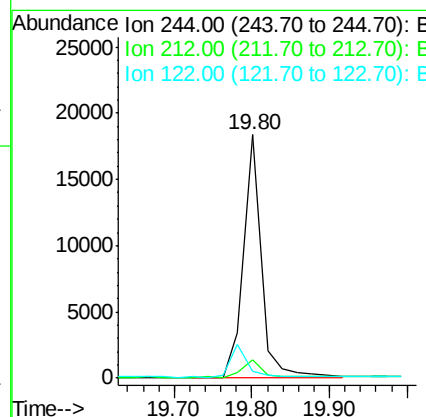
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#24
 Terphenyl-d14
 Concen: 0.47 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: BE091477.D
 Acq: 17 Mar 2016 21:37

Tgt Ion:	244	Resp:	29170
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.8
122	2.5	1.8	2.8





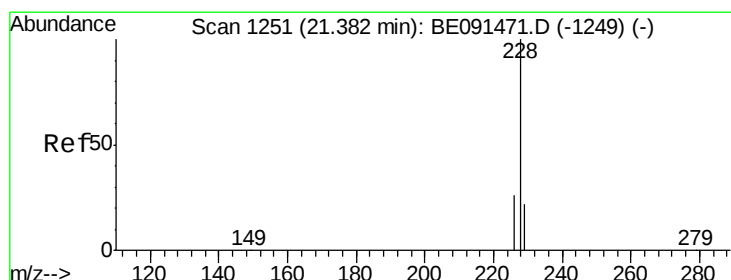
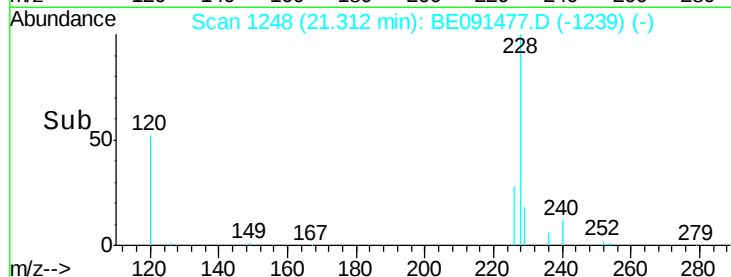
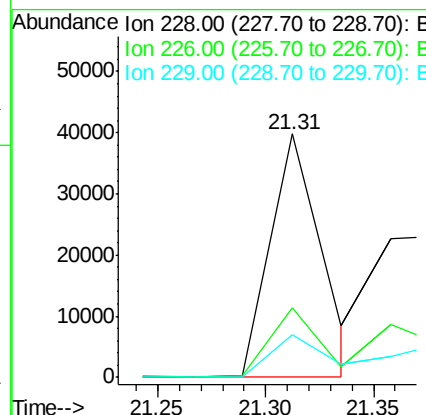
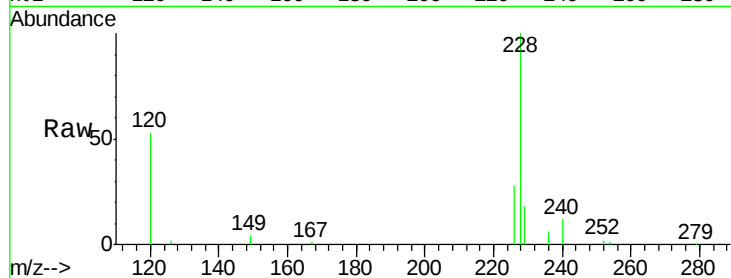
#25
Benzo(a)anthracene
Concen: 0.48 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Instrument :
BNA_E
ClientSampleId :
ICVBE031816

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.0	36.0
229	17.7	13.8	20.6

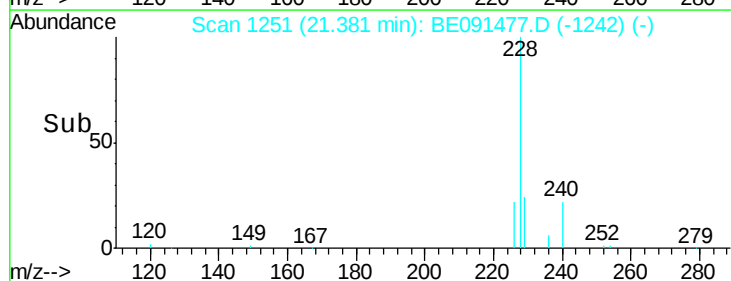
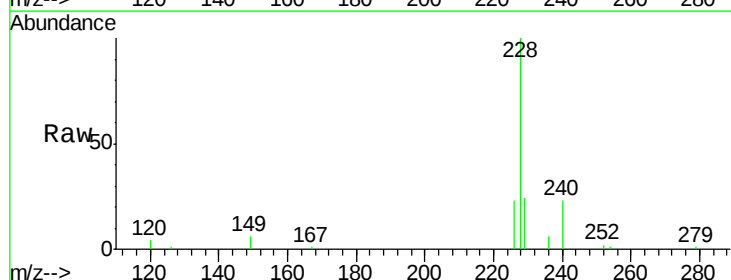
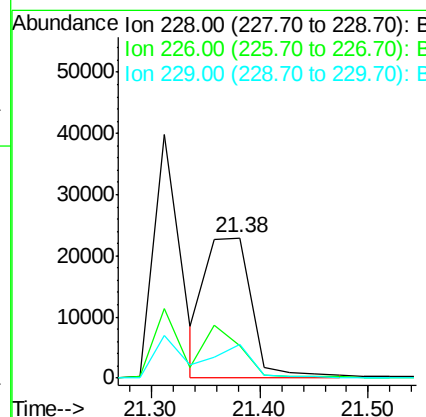
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#26
Chrysene
Concen: 0.44 ng m
RT: 21.38 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	22.7	18.9	28.3
229	24.5	19.1	28.7





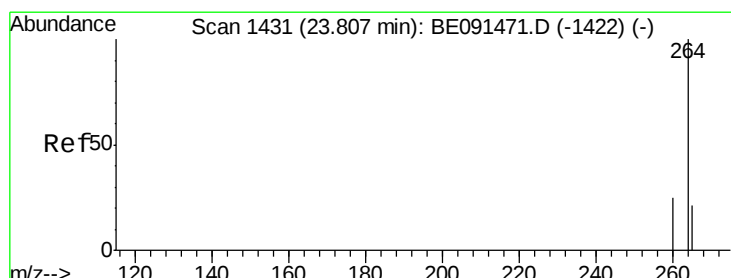
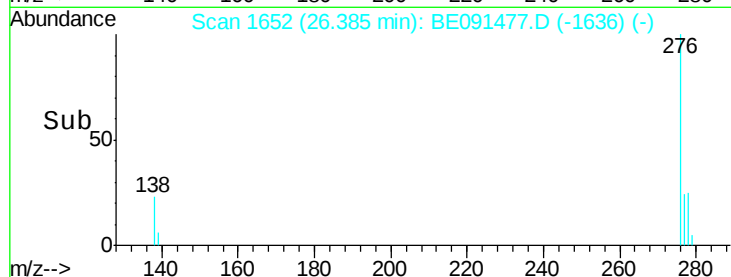
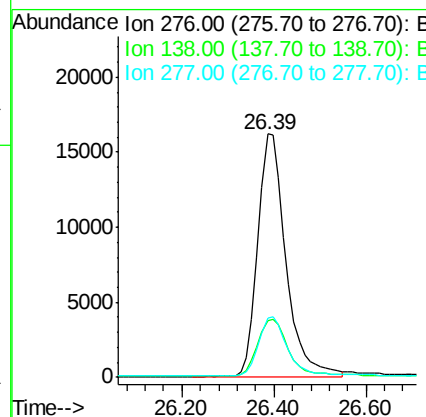
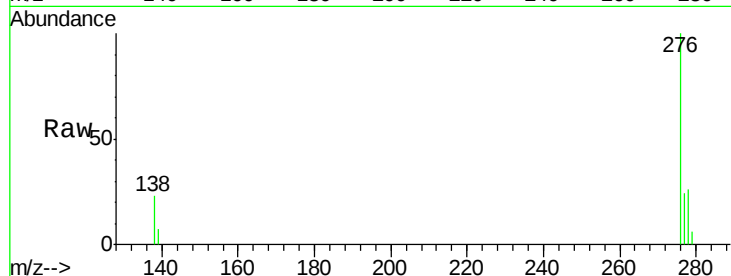
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.46 ng
RT: 26.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Instrument :
BNA_E
ClientSampleId :
ICVBE031816

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.5	20.2	30.4
277	24.7	19.8	29.8

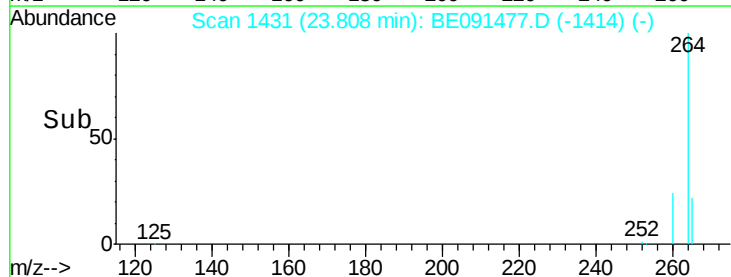
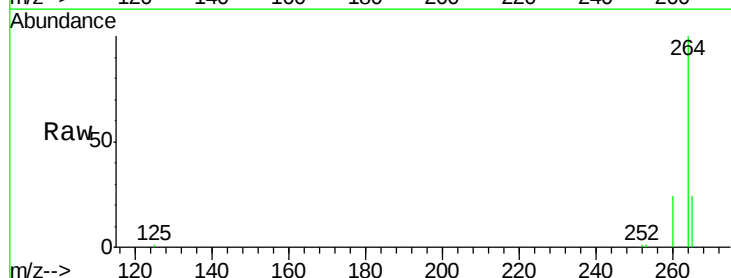
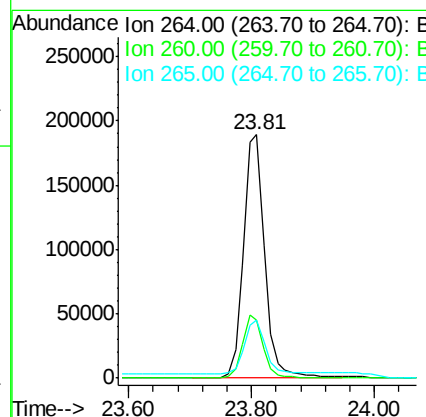
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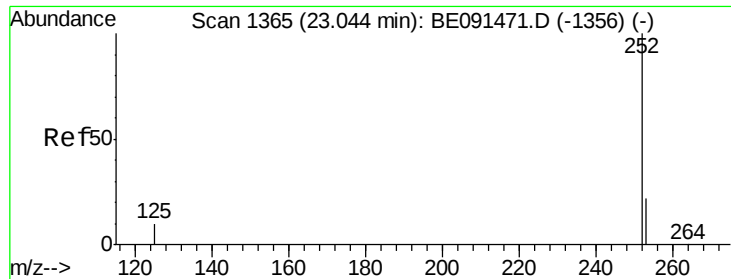
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.81 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.8	20.1	30.1
265	24.0	18.3	27.5





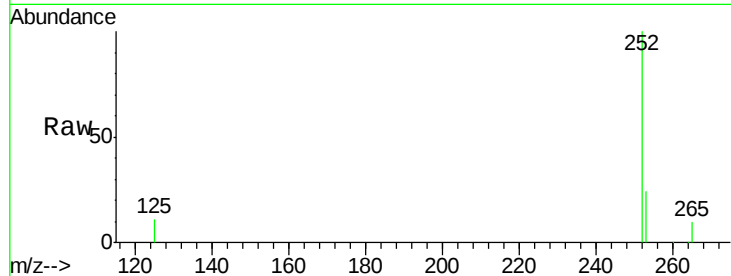
#29
Benzo(b)fluoranthene
Concen: 0.48 ng
RT: 23.05 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Instrument :
BNA_E
ClientSampleId :
ICVBE031816

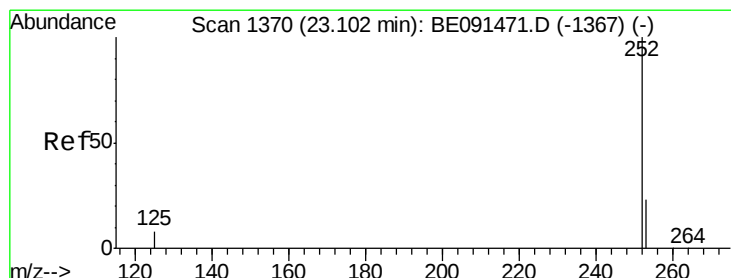
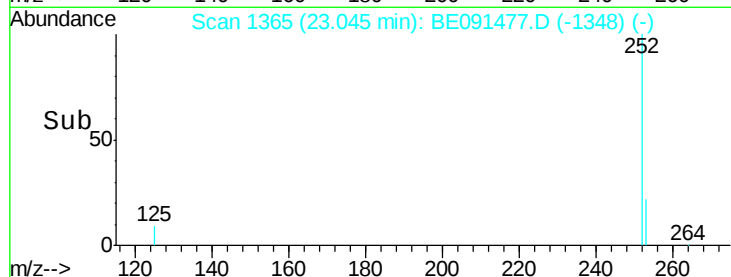
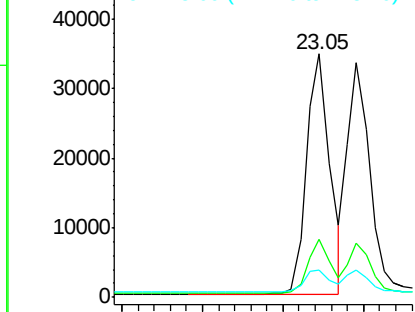
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.7	28.1
125	11.4	9.8	14.6

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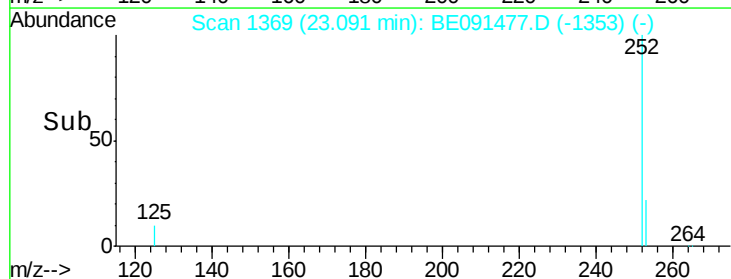
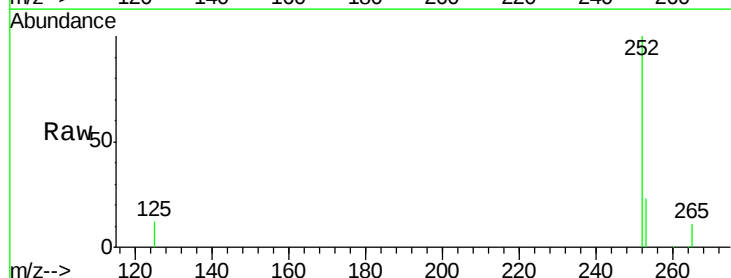
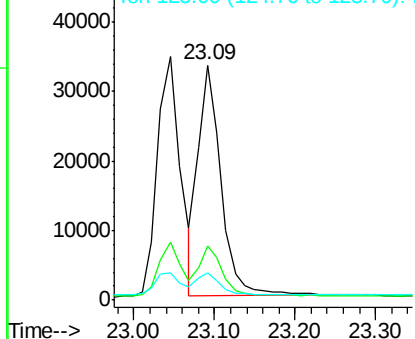
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

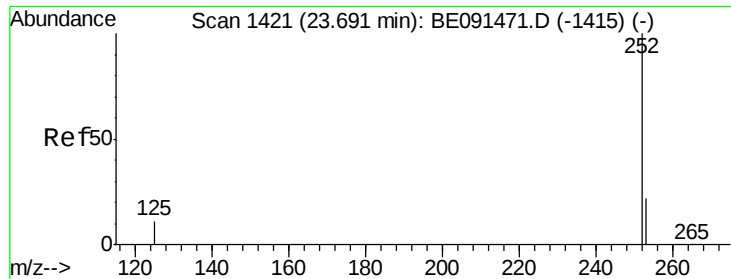


#30
Benzo(k)fluoranthene
Concen: 0.45 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.2	30.4
125	11.8	9.4	14.2

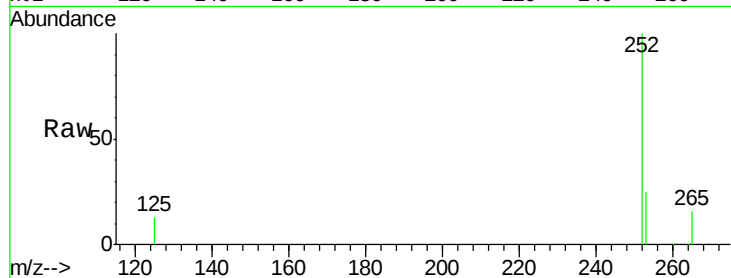
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#31
Benzo(a)pyrene
Concen: 0.44 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

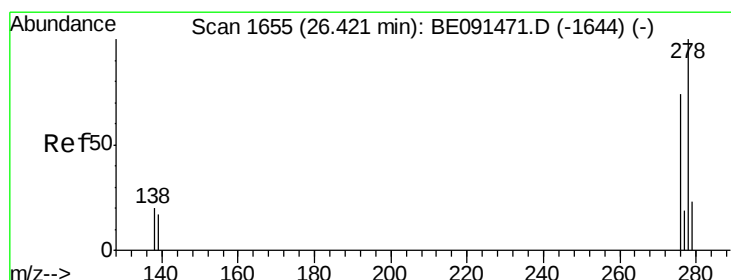
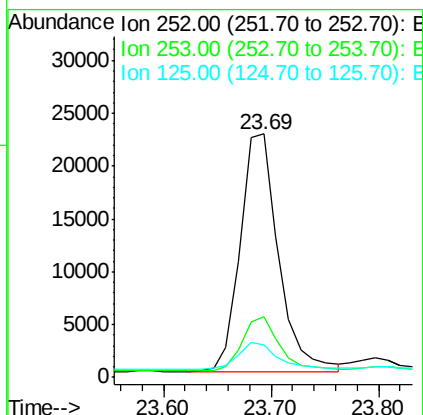
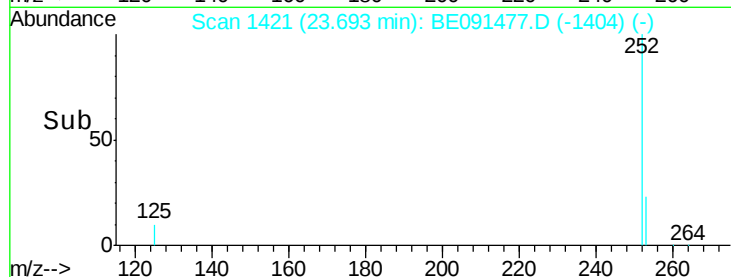
Instrument :
BNA_E
ClientSampleId :
ICVBE031816



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.4	29.0
125	13.4	11.4	17.2

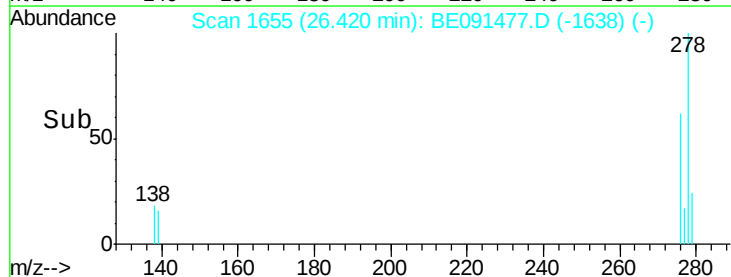
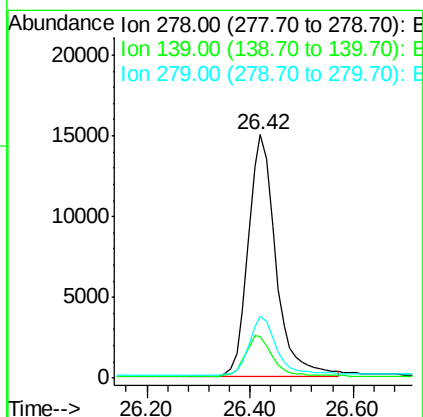
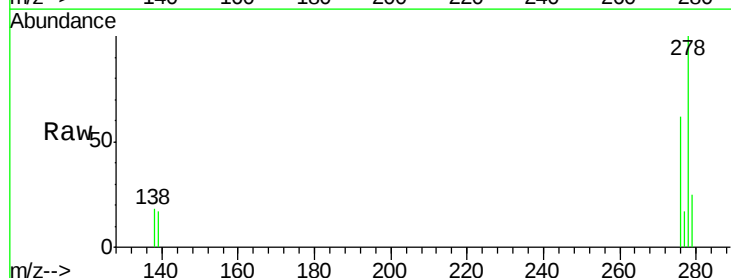
Manual Integrations
APPROVED

UMANGI
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#32
Dibenzo(a,h)anthracene
Concen: 0.45 ng
RT: 26.42 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BE091477.D
Acq: 17 Mar 2016 21:37

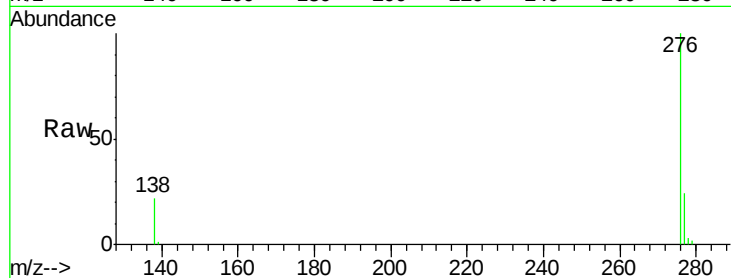
Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	14.2	21.4
279	25.2	19.6	29.4





#33
 Benzo(g,h,i)perylene
 Concen: 0.46 ng
 RT: 27.18 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BE091477.D
 Acq: 17 Mar 2016 21:37

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE031816



Tgt	Ion	276	Resp:	60013
Ion	Ratio	Lower	Upper	
276	100			
277	24.1	19.4	29.2	
138	22.1	18.2	27.4	

Manual Integrations
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