

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020516\
 Data File : BE091397.D
 Acq On : 5 Feb 2016 13:24
 Operator : UM/IZ
 Sample : G4825-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-WATER2016-02

Manual Integrations
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Quant Time: Feb 05 18:07:12 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	42805	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	201060	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	131886	5.00	ng	0.00
14) Phenanthrene-d10	16.09	188	347274	5.00	ng	0.00
18) Chrysene-d12	20.22	240	368405	5.00	ng	0.00
24) Perylene-d12	22.10	264	351670	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	68816	6.80	ng	-0.04
3) Phenol-d6	6.54	99	94312	6.59	ng	-0.03
5) Nitrobenzene-d5	8.18	82	39871	3.11	ng	0.00
9) 2,4,6-Tribromophenol	14.90	330	24650	4.00	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	133764	3.90	ng	0.00
20) Terphenyl-d14	18.62	244	228067	4.19	ng	0.00
Target Compounds						
6) Naphthalene	9.60	128	3404	0.08	ng	Qvalue # 91
7) 2-Methylnaphthalene	11.19	142	1931	0.20	ng	96
11) Acenaphthylene	13.12	152	11566	0.23	ng	99
12) Acenaphthene	13.42	154	2597	0.07	ng	96
13) Fluorene	14.43	166	3092	0.07	ng	98
15) Phenanthrene	16.13	178	6718	0.07	ng	96
16) Anthracene	16.23	178	4546	0.06	ng	96
17) Fluoranthene	18.11	202	5412	0.17	ng	99
19) Pyrene	18.49	202	5395	0.07	ng	99
21) Benzo(a)anthracene	20.19	228	5429m	0.23	ng	
22) Chrysene	20.25	228	7560	0.01	ng	98
23) Indeno(1,2,3-cd)pyrene	23.73	276	4729m	0.22	ng	
25) Benzo(b)fluoranthene	21.56	252	4555	0.20	ng	# 91
26) Benzo(k)fluoranthene	21.58	252	5282	0.08	ng	# 92
27) Benzo(a)pyrene	22.01	252	3933	0.22	ng	# 87
28) Dibenzo(a,h)anthracene	23.68	278	3526	0.29	ng	# 83
29) Benzo(a,h,i)perylene	24.28	276	4747	0.20	ng	# 89

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

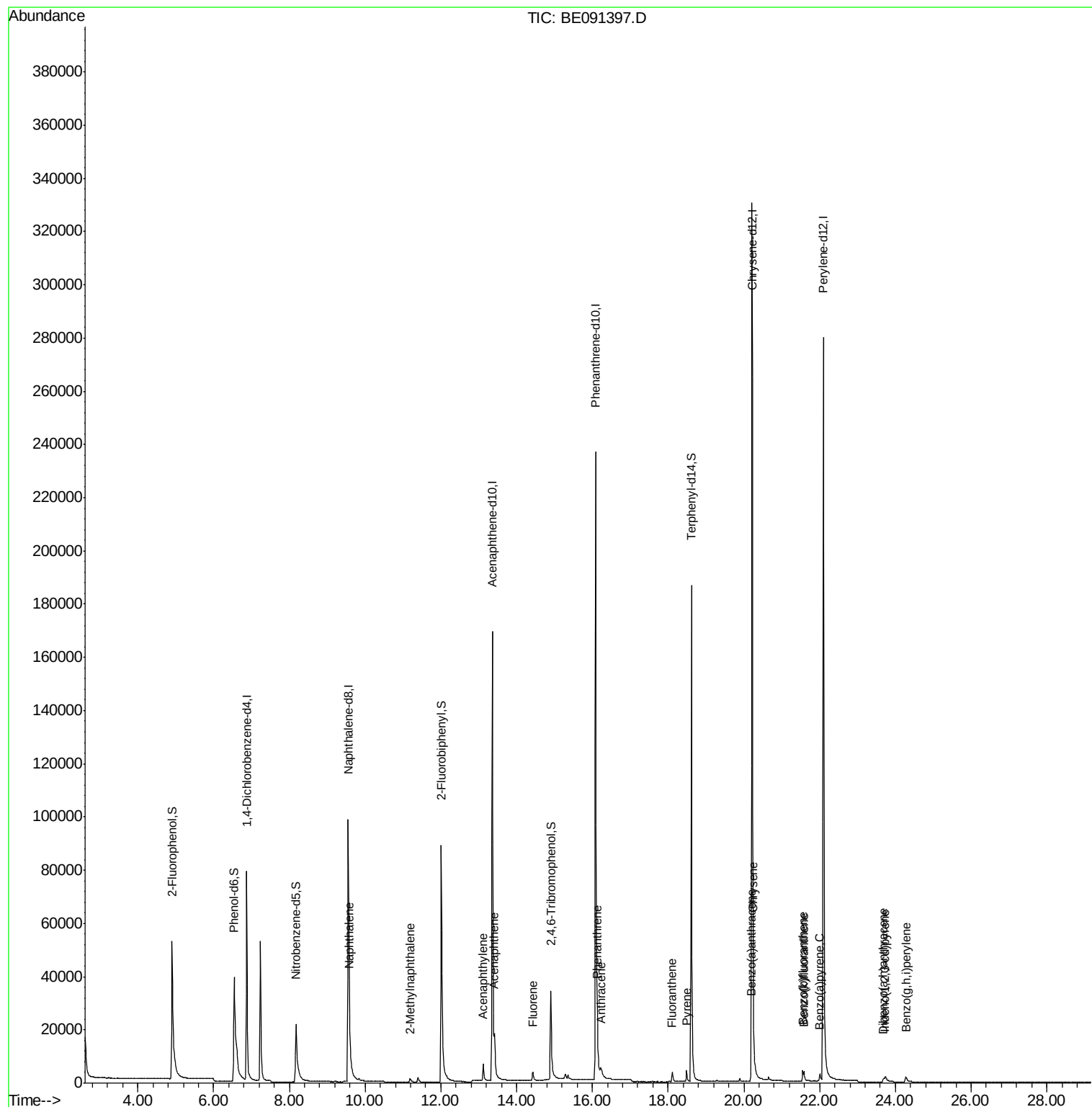
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020516\
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ALS Vial : 4 Sample Multiplier: 1

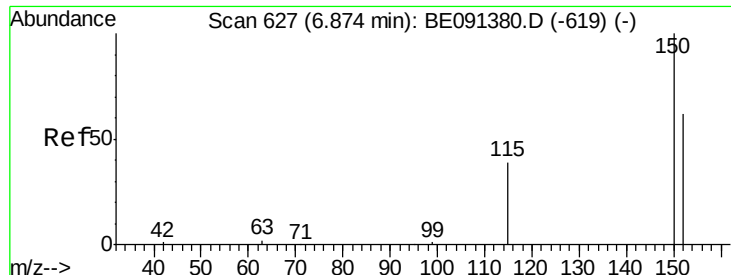
Instrument :
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LOQ-WATER2016-02

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

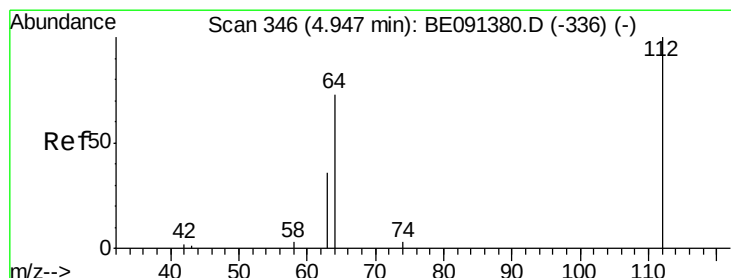
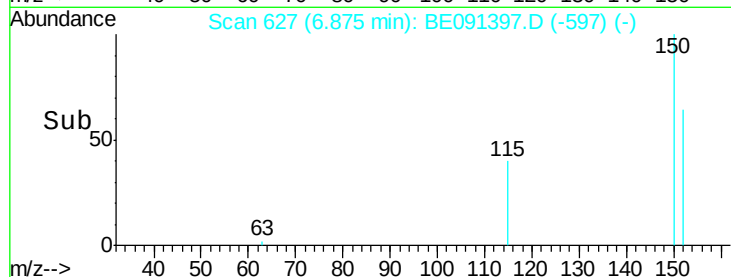
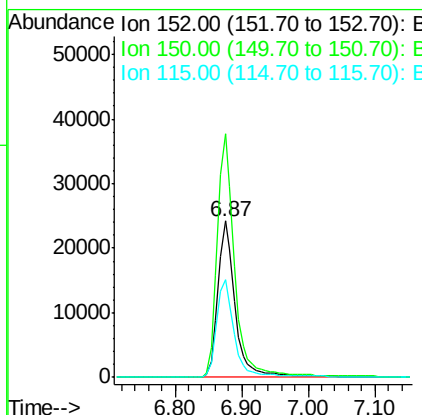
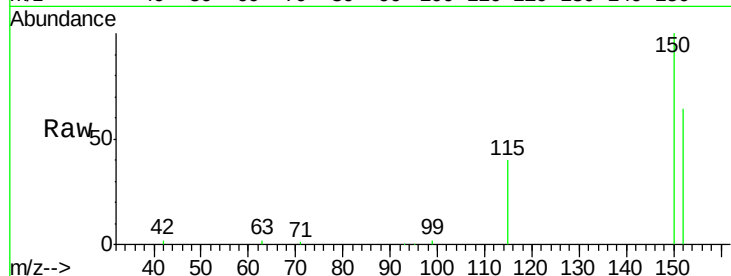
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE091397.D
Acq: 5 Feb 2016 13:24

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.9	193.3
115	62.5	50.9	76.3

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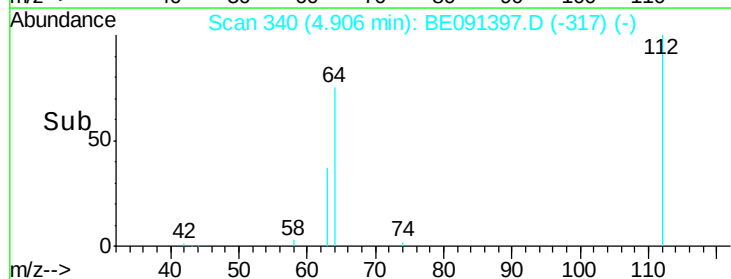
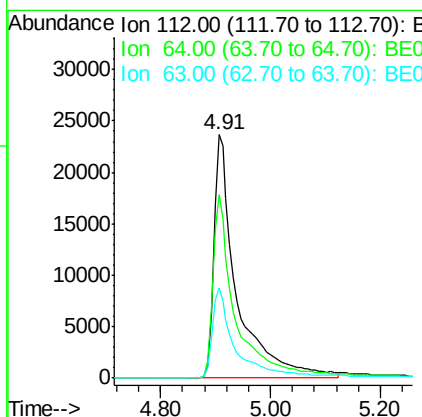
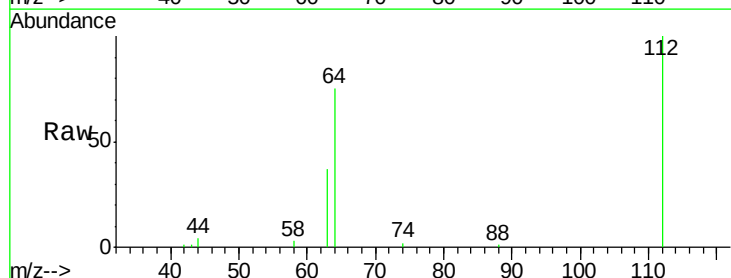
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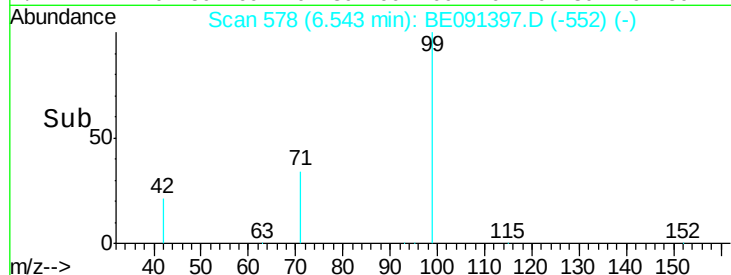
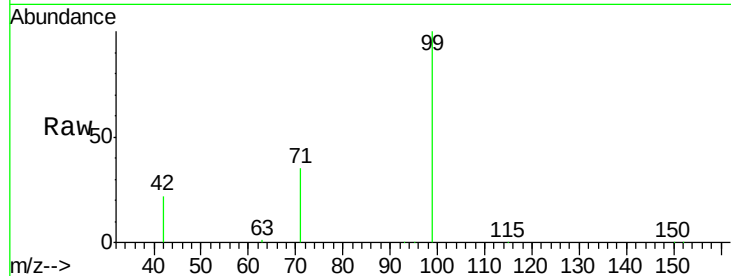
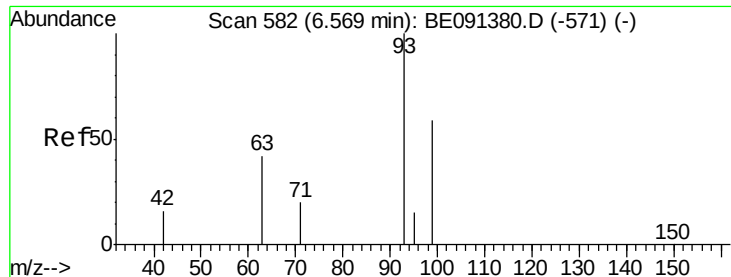


#2

2-Fluorophenol
Concen: 6.80 ng
RT: 4.91 min Scan# 340
Delta R.T. -0.04 min
Lab File: BE091397.D
Acq: 5 Feb 2016 13:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	60.5	90.7
63	36.7	29.8	44.8





#3

Phenol-d6

Concen: 6.59 ng

RT: 6.54 min Scan# 578

Delta R.T. -0.03 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tot Ion:	99	Resp:	94312
Ion Ratio	Lower	Upper	
99	100		
42	15.4	13.3	19.9
71	34.1	25.6	38.4

Instrument :

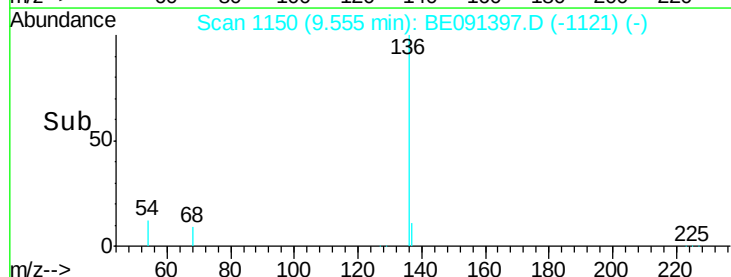
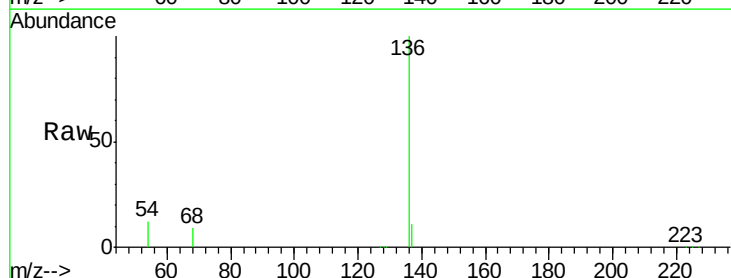
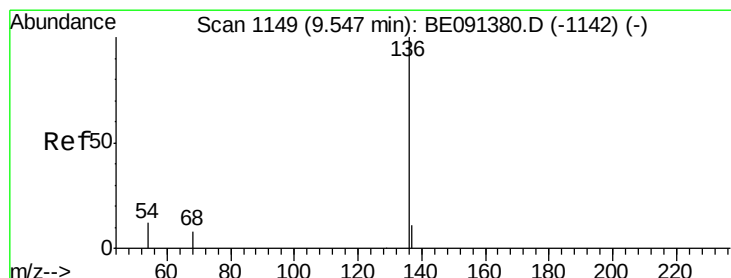
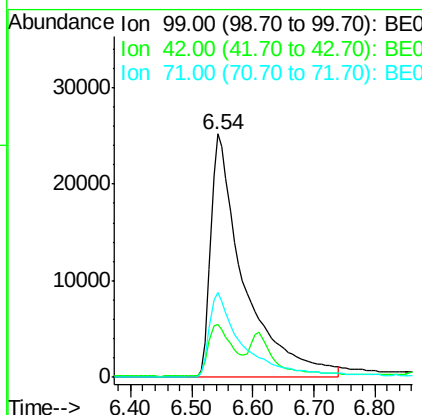
BNA_E

ClientSampleId :

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#4

Naphthalene-d8

Concen: 5.00 ng

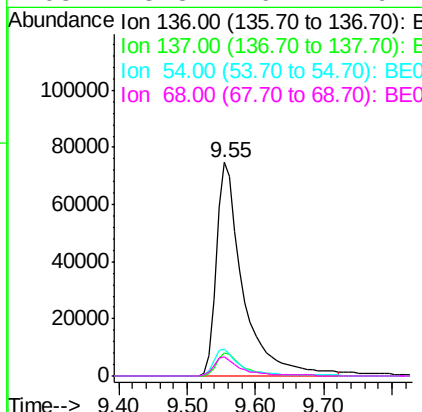
RT: 9.55 min Scan# 1150

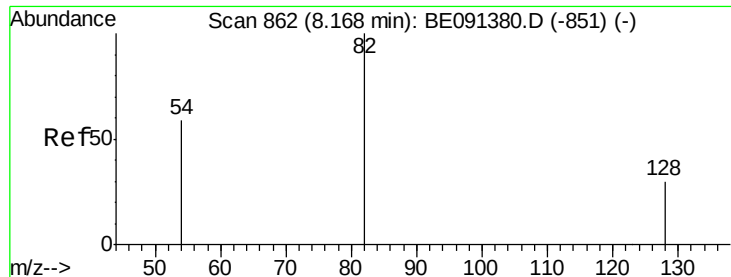
Delta R.T. 0.01 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	136	Resp:	201060
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	12.5	9.3	13.9
68	8.8	6.7	10.1





#5

Nitrobenzene-d5

Concen: 3.11 ng

RT: 8.18 min Scan# 864

Delta R.T. 0.01 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

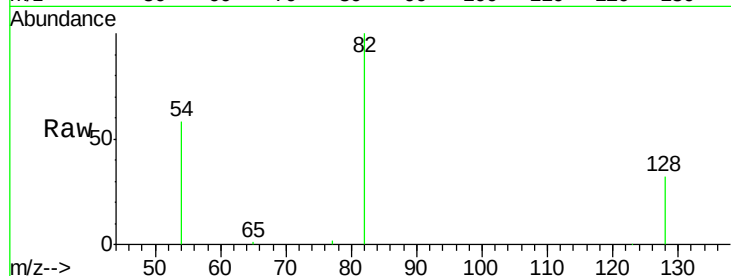
ClientSampleId :

LOQ-WATER2016-02

Tot Ion	82	Resp	39871
Ion	Ratio	Lower	Upper
82	100		
128	32.2	25.0	37.4
54	57.6	48.1	72.1

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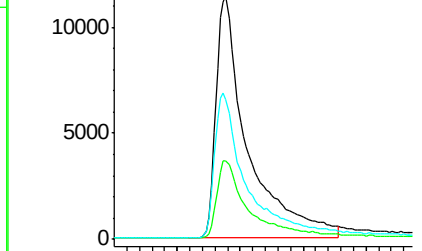
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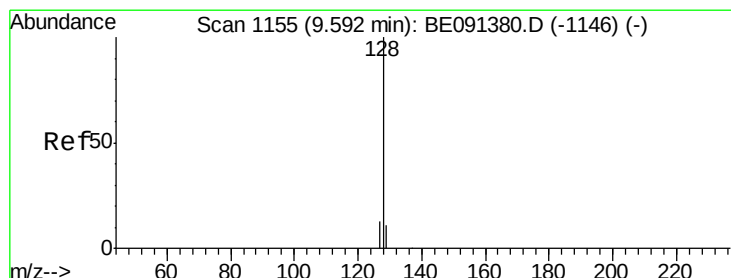
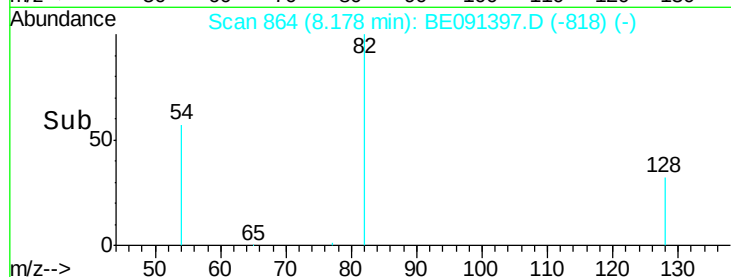
Abundance Ion 82.00 (81.70 to 82.70): BE091397.D (-818) (-)

Ion 128.00 (127.70 to 128.70): BE091397.D (-818) (-)

Ion 54.00 (53.70 to 54.70): BE091397.D (-818) (-)



Time-->



#6

Naphthalene

Concen: 0.08 ng

RT: 9.60 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE091397.D

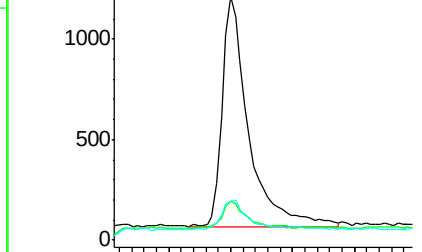
Acq: 5 Feb 2016 13:24

Tgt Ion	128	Resp	3404
Ion	Ratio	Lower	Upper
128	100		
129	15.8	9.1	13.7#
127	16.2	10.5	15.7#

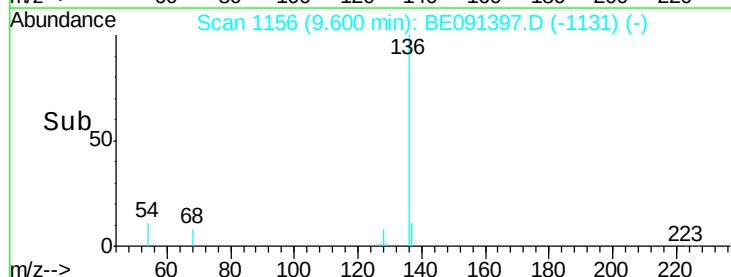
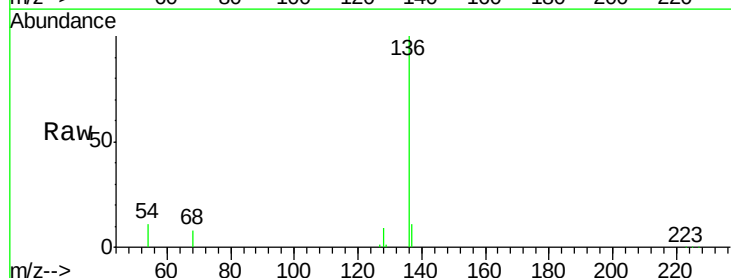
Abundance Ion 128.00 (127.70 to 128.70): BE091397.D (-1131) (-)

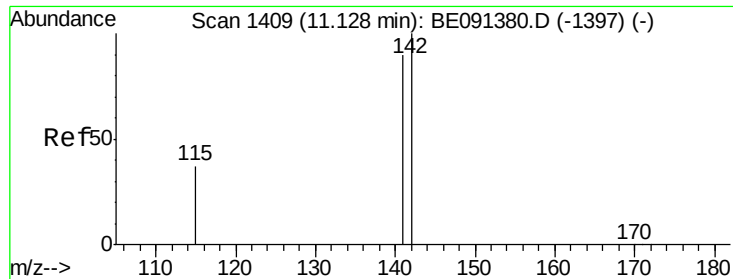
Ion 129.00 (128.70 to 129.70): BE091397.D (-1131) (-)

Ion 127.00 (126.70 to 127.70): BE091397.D (-1131) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.20 ng

RT: 11.19 min Scan# 1422

Delta R.T. 0.06 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

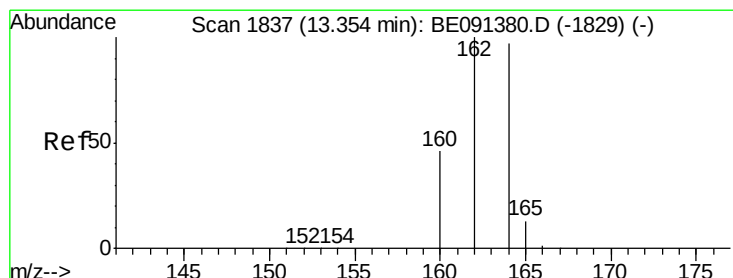
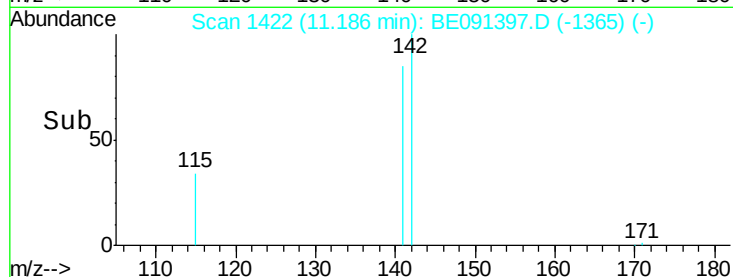
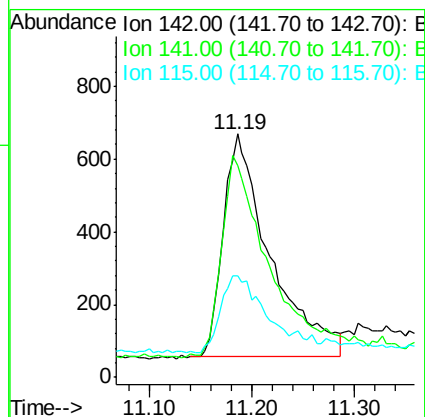
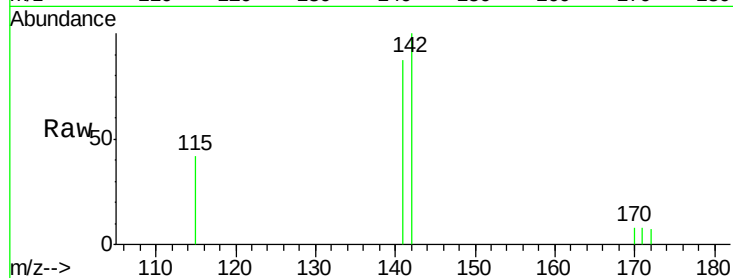
ClientSampleId :

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Tot Ion:	142	Resp:	1931
Ion Ratio	Lower	Upper	
142	100		
141	86.8	72.3	108.5
115	41.6	30.5	45.7

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#8

Acenaphthene-d10

Concen: 5.00 ng

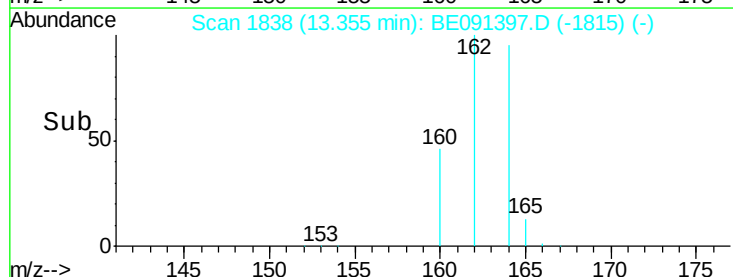
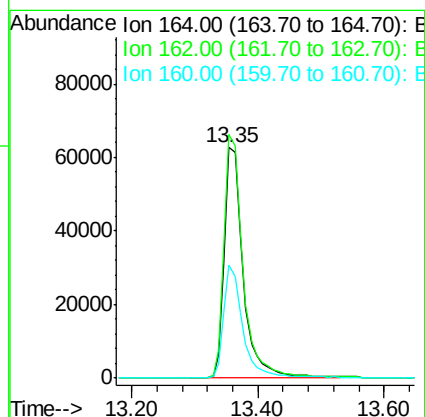
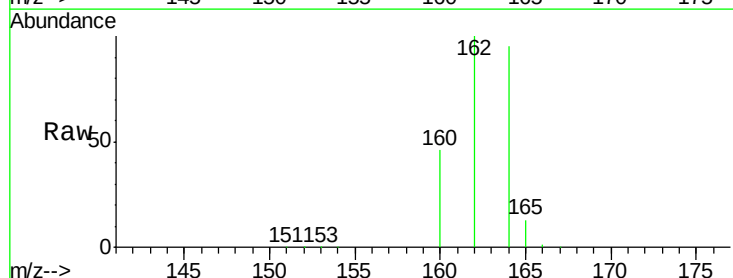
RT: 13.35 min Scan# 1838

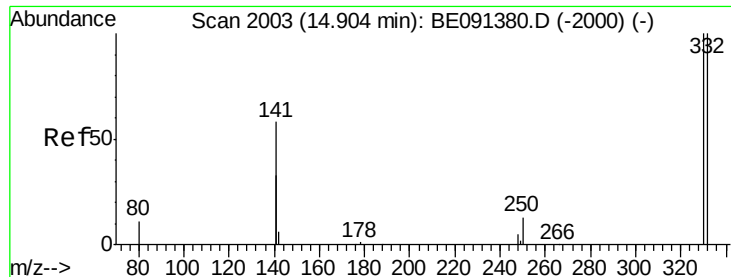
Delta R.T. 0.00 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	164	Resp:	131886
Ion Ratio	Lower	Upper	
164	100		
162	105.5	82.2	123.2
160	49.0	37.8	56.8





#9

2,4,6-Tribromophenol

Concen: 4.00 ng

RT: 14.90 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

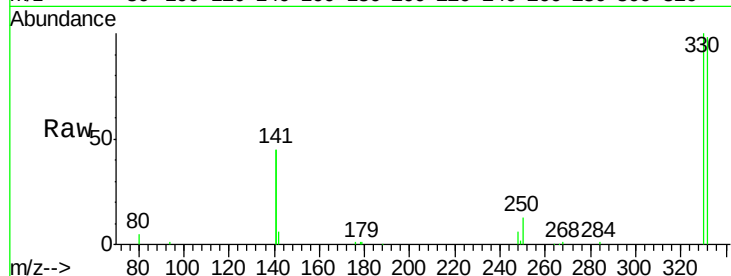
ClientSampleId :

LOQ-WATER2016-02

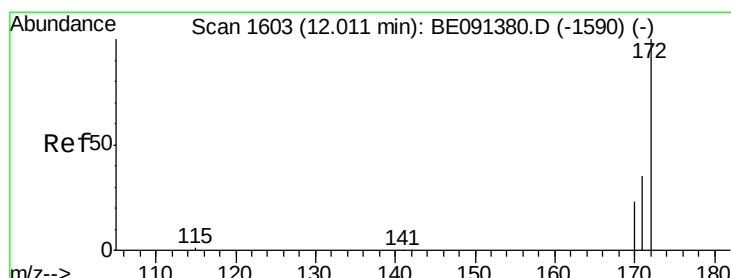
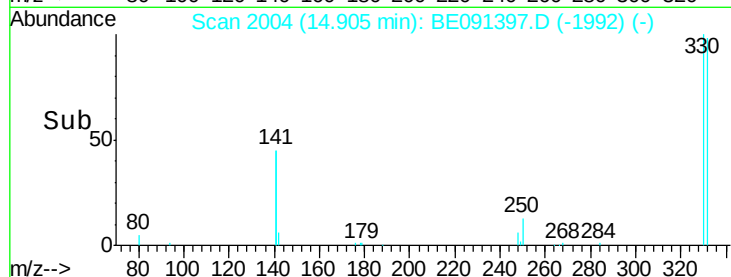
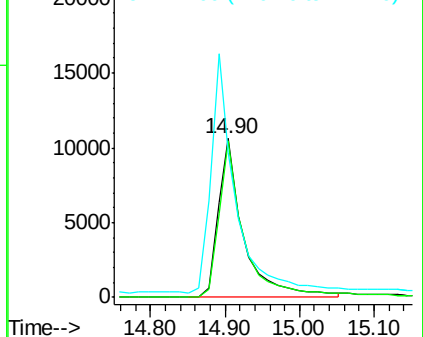
Tot Ion:	330	Resp:	24650
Ion Ratio	Lower	Upper	
330	100		
332	96.8	78.8	118.2
141	147.6	105.1	157.7

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#10

2-Fluorobiphenyl

Concen: 3.90 ng

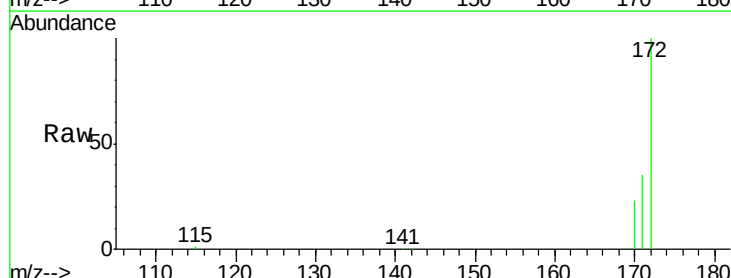
RT: 12.01 min Scan# 1604

Delta R.T. 0.00 min

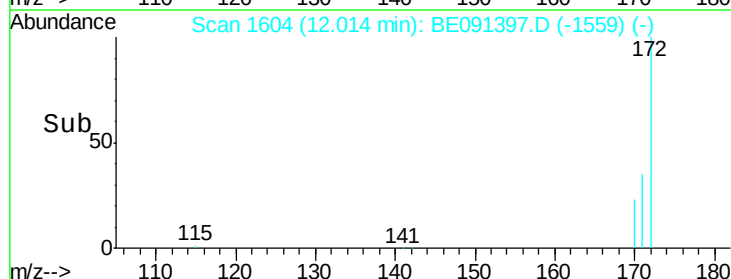
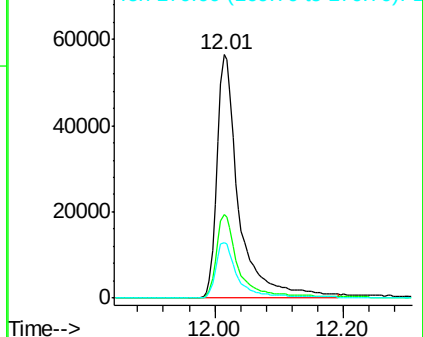
Lab File: BE091397.D

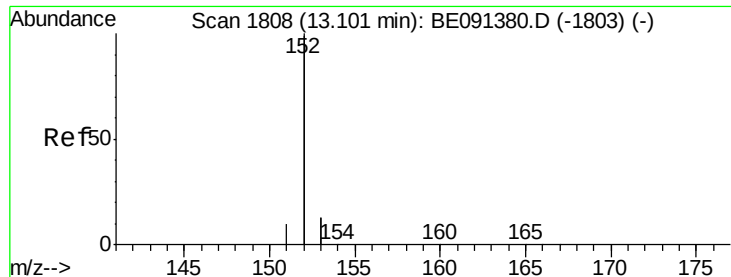
Acq: 5 Feb 2016 13:24

Tgt Ion:	172	Resp:	133764
Ion Ratio	Lower	Upper	
172	100		
171	34.6	27.8	41.8
170	22.9	18.6	28.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#11

Acenaphthylene

Concen: 0.23 ng

RT: 13.12 min Scan# 1811

Delta R.T. 0.02 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

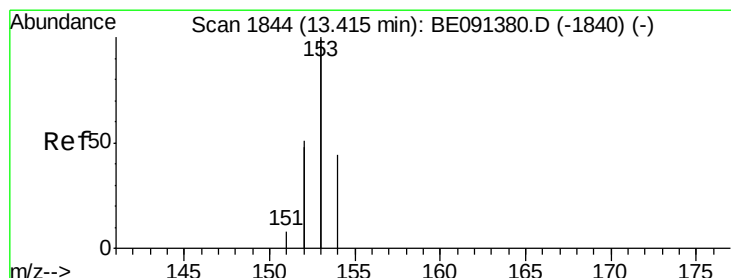
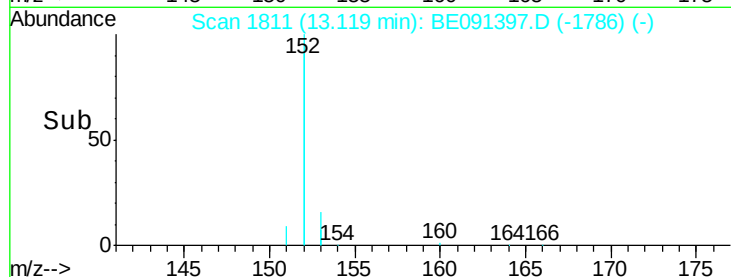
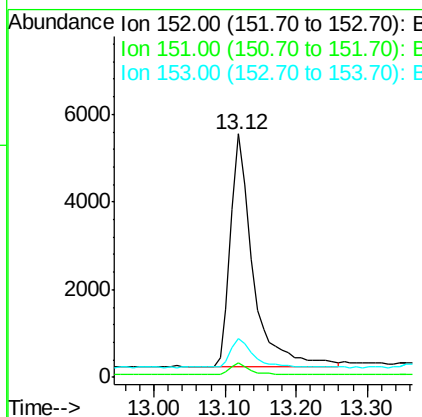
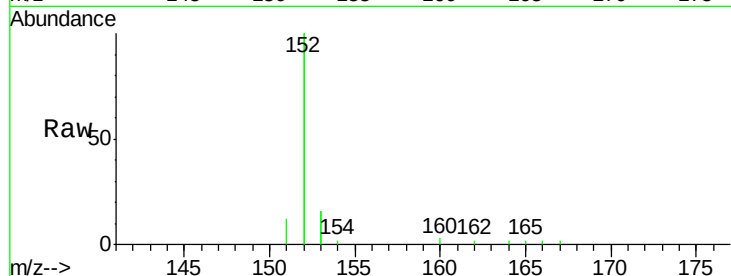
ClientSampleId :

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Tot Ion:	152	Resp:	11566
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.8	5.8
153	12.1	10.2	15.4

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#12

Acenaphthene

Concen: 0.07 ng

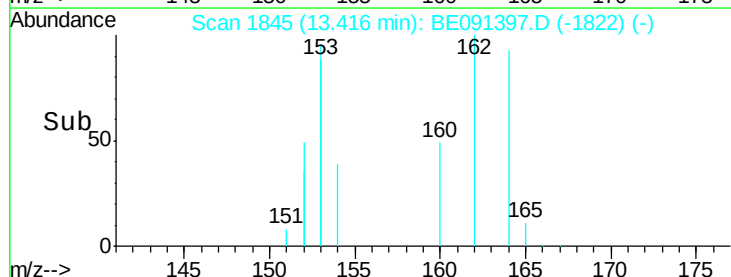
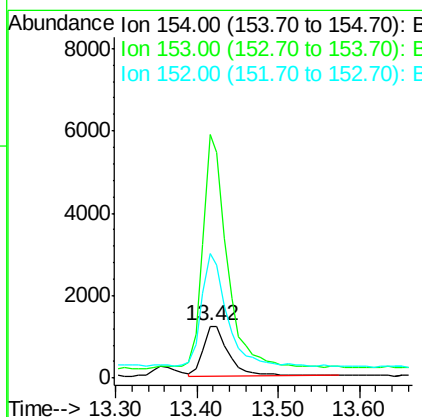
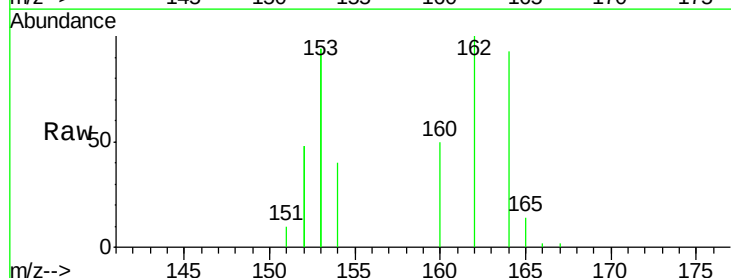
RT: 13.42 min Scan# 1845

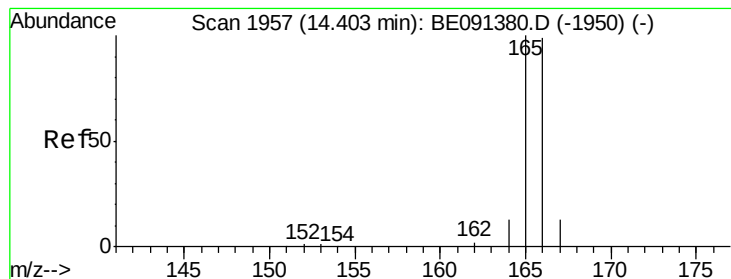
Delta R.T. 0.00 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	154	Resp:	2597
Ion Ratio	Lower	Upper	
154	100		
153	464.2	369.8	554.8
152	226.1	194.4	291.6





#13

Fluorene

Concen: 0.07 ng

RT: 14.43 min Scan# 1961

Delta R.T. 0.03 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

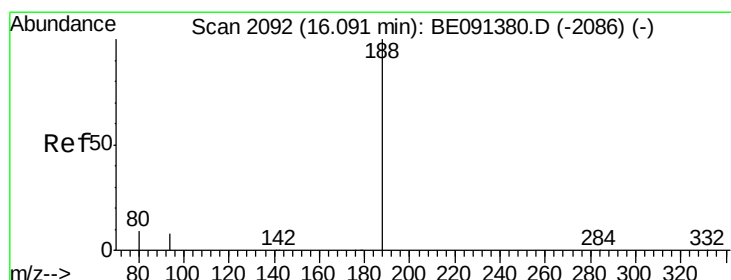
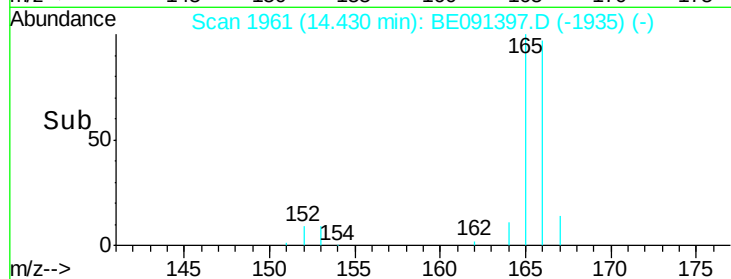
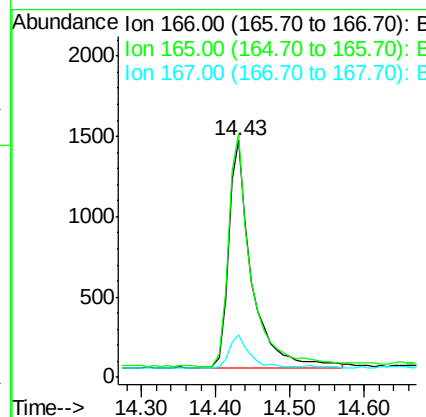
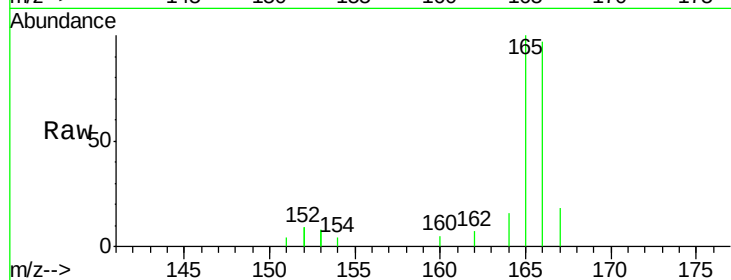
ClientSampleId :

LOQ-WATER2016-02

Tot Ion:	166	Resp:	3092
Ion Ratio	Lower	Upper	
166	100		
165	101.4	79.3	118.9
167	13.6	10.6	16.0

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#14

Phenanthrene-d10

Concen: 5.00 ng

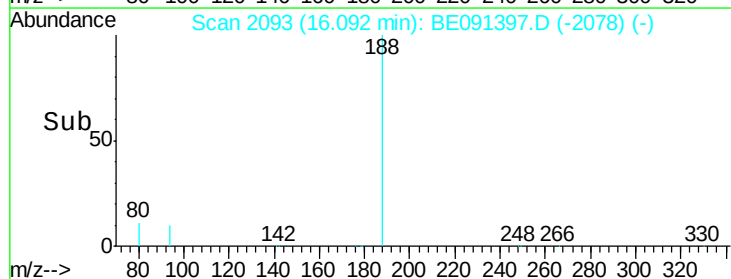
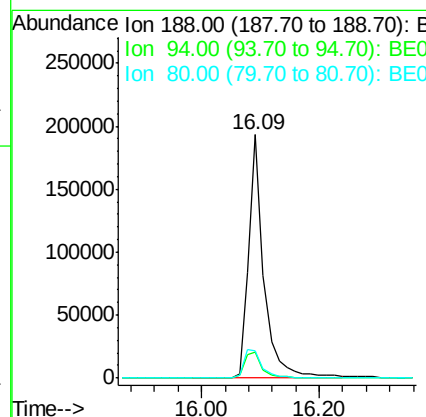
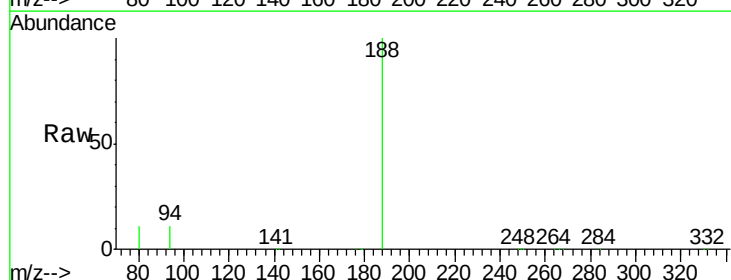
RT: 16.09 min Scan# 2093

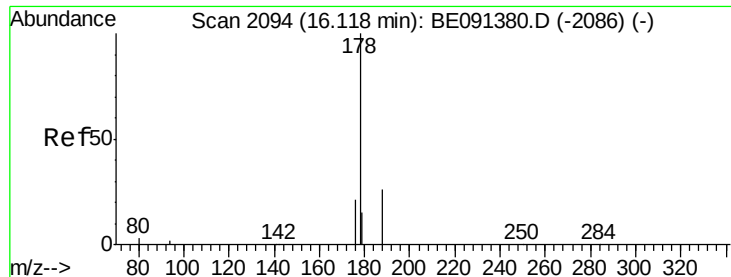
Delta R.T. 0.00 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	188	Resp:	347274
Ion Ratio	Lower	Upper	
188	100		
94	10.5	6.6	10.0#
80	11.2	7.0	10.6#





#15

Phenanthrene

Concen: 0.07 ng

RT: 16.13 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

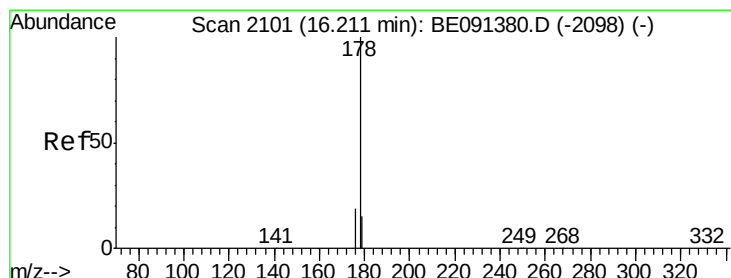
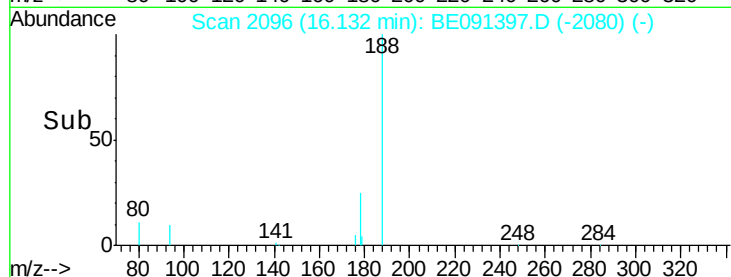
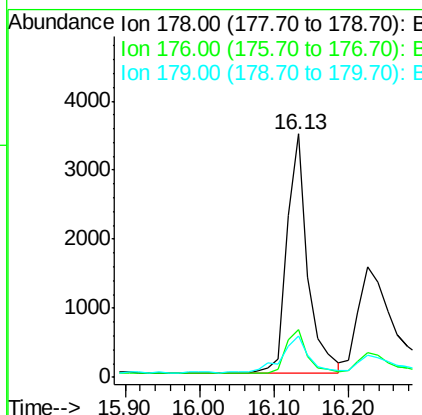
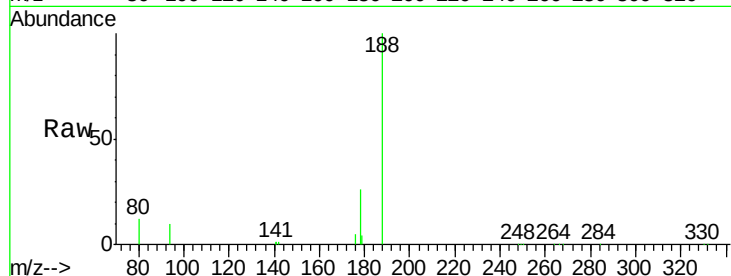
ClientSampleId :

LOQ-WATER2016-02

Tot Ion:	178	Resp:	6718
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.2
179	19.0	12.7	19.1

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#16

Anthracene

Concen: 0.06 ng

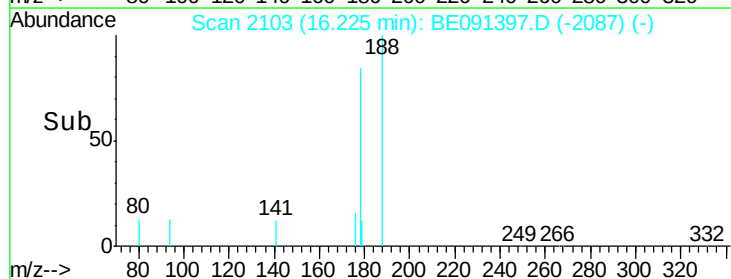
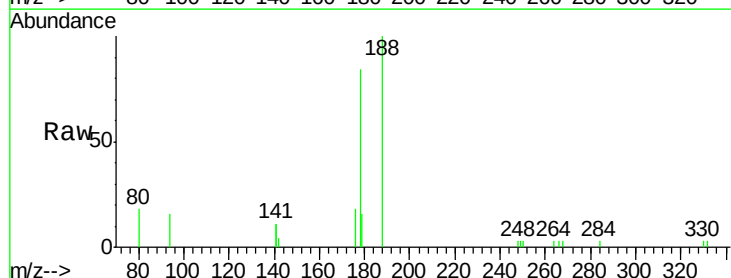
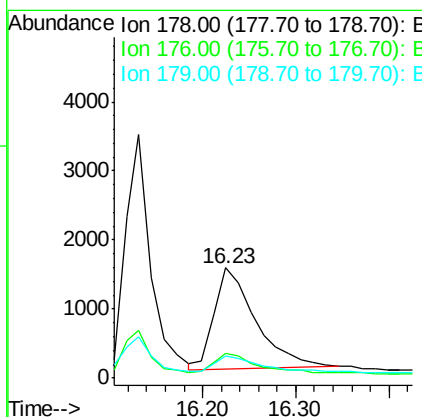
RT: 16.23 min Scan# 2103

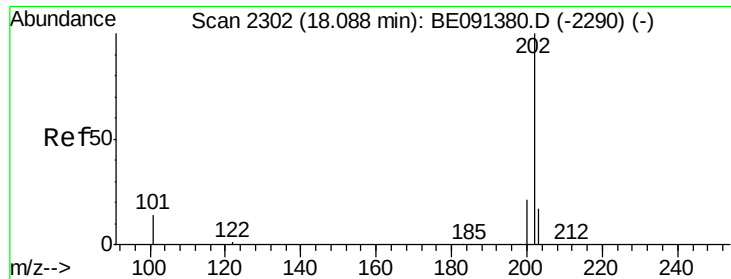
Delta R.T. 0.01 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	178	Resp:	4546
Ion Ratio	Lower	Upper	
178	100		
176	20.0	14.8	22.2
179	17.0	12.1	18.1





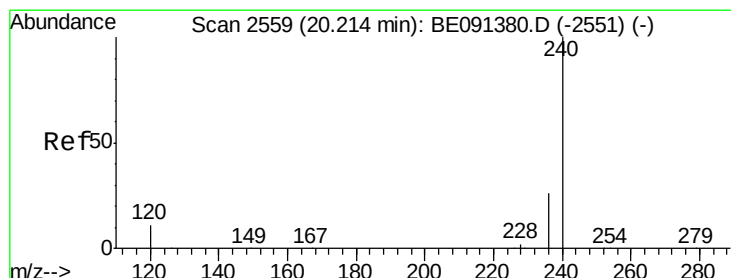
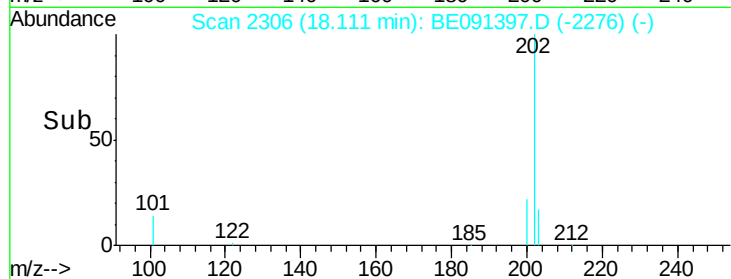
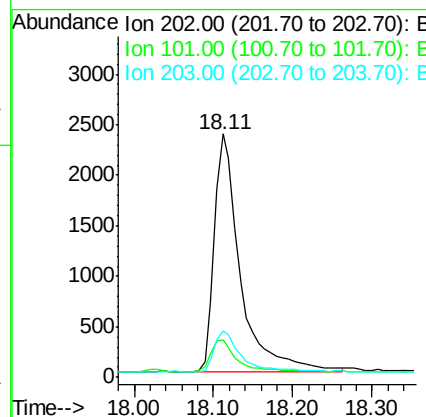
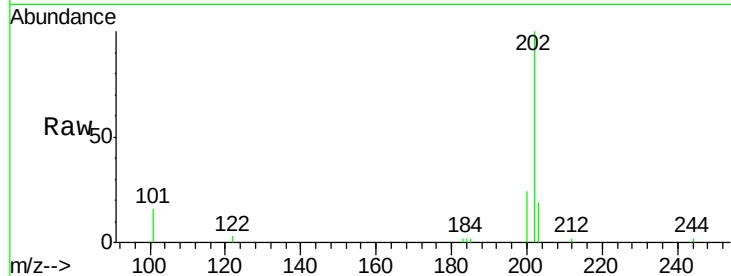
#17
 Fluoranthene
 Concen: 0.17 ng
 RT: 18.11 min Scan# 2306
 Delta R.T. 0.02 min
 Lab File: BE091397.D
 Acq: 5 Feb 2016 13:24

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-WATER2016-02

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.5	15.7
203	17.2	13.9	20.9

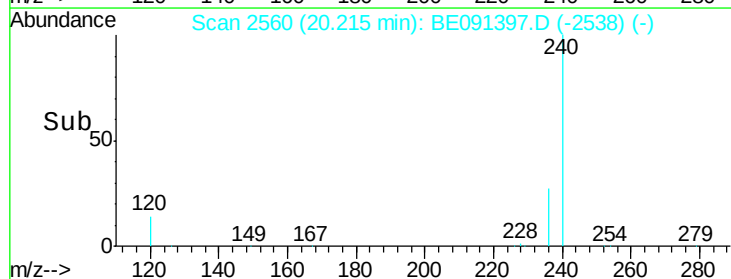
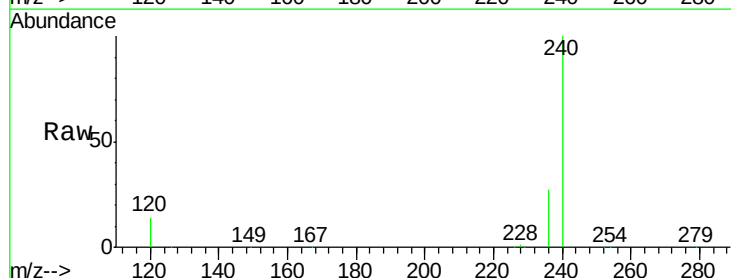
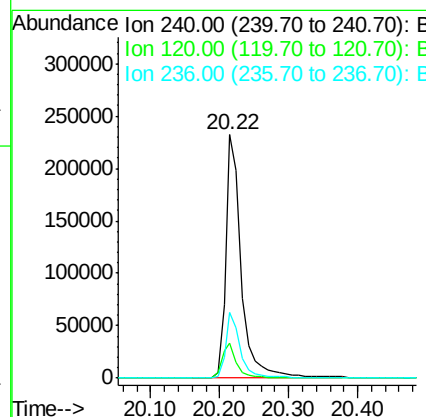
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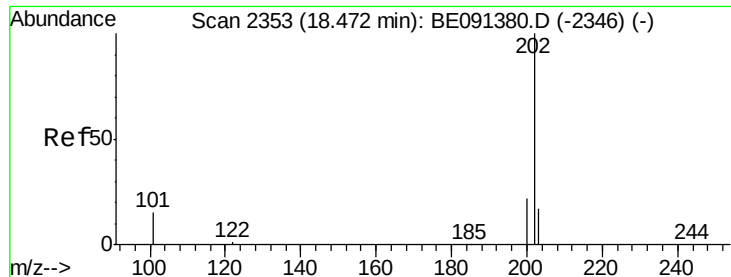
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#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: BE091397.D
 Acq: 5 Feb 2016 13:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3#
236	26.8	21.0	31.4





#19

Pvrene

Concen: 0.07 ng

RT: 18.49 min Scan# 2356

Delta R.T. 0.02 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

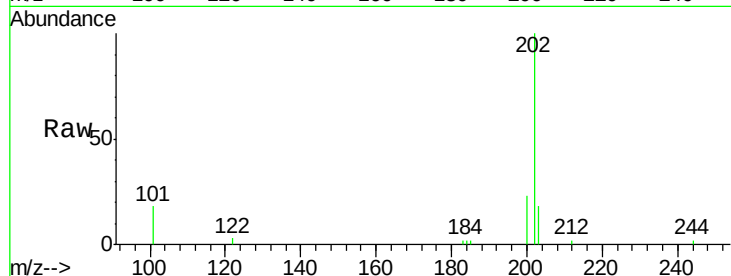
ClientSampleId :

LOQ-WATER2016-02

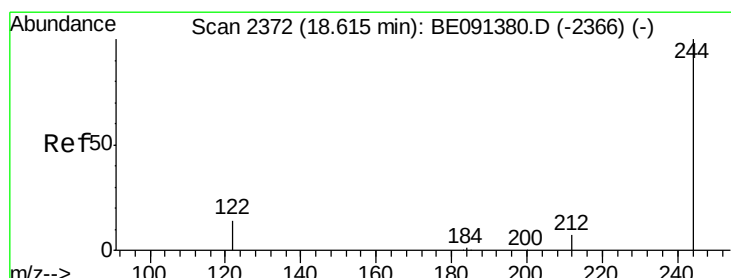
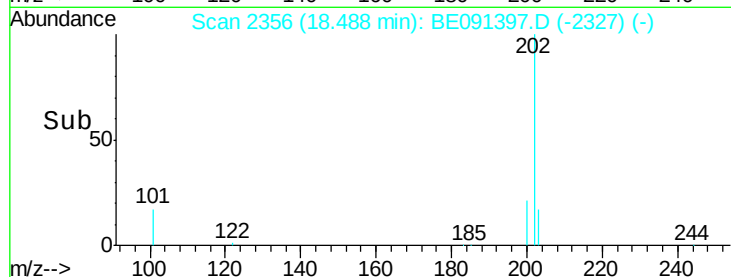
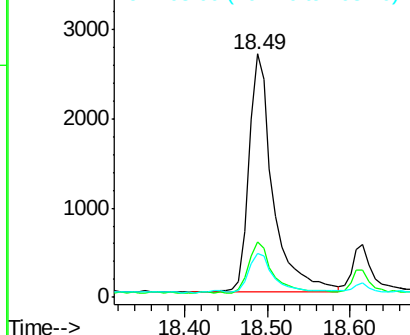
Tot Ion:	202	Resp:	5395
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	16.7	14.0	21.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#20

Terphenyl-d14

Concen: 4.19 ng

RT: 18.62 min Scan# 2373

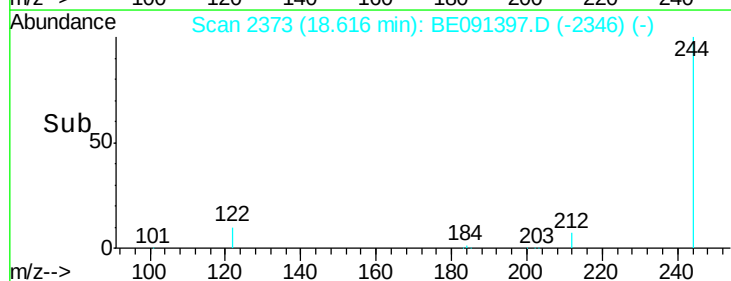
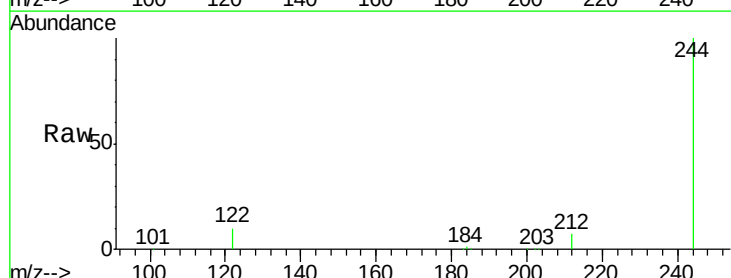
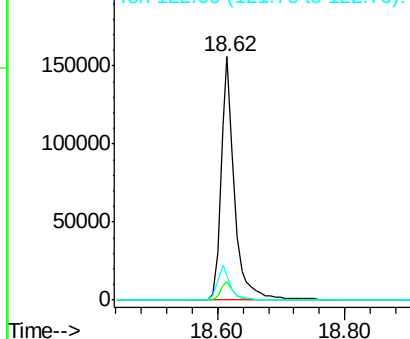
Delta R.T. 0.00 min

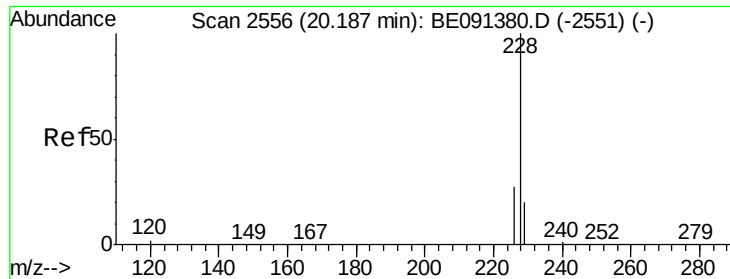
Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	244	Resp:	228067
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.1	9.1
122	10.0	11.0	16.6#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#21

Benzo(a)anthracene

Concen: 0.23 ng/mL

RT: 20.19 min Scan# 2557

Delta R.T. 0.00 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

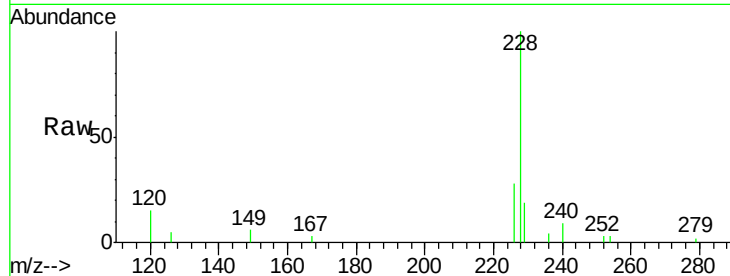
ClientSampleId :

LOQ-WATER2016-02

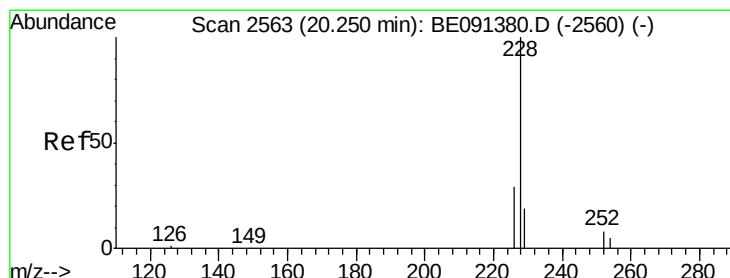
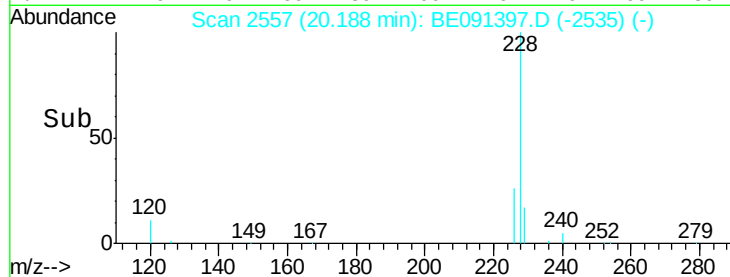
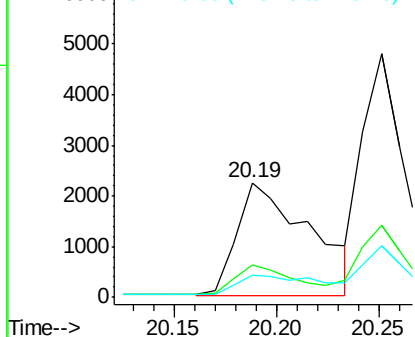
Tot Ion:	228	Resp:	5429
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.7	32.5
229	19.2	16.1	24.1

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#22

Chrysene

Concen: 0.01 ng/mL

RT: 20.25 min Scan# 2564

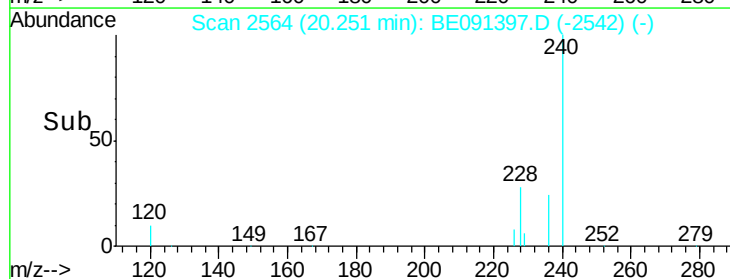
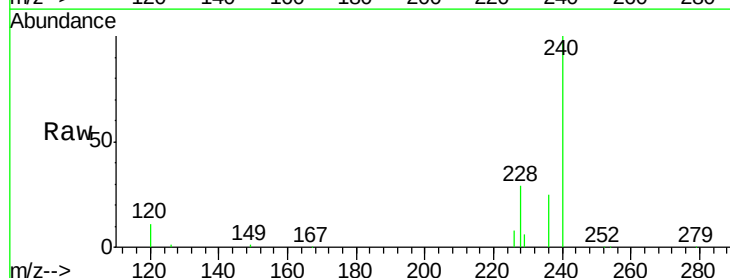
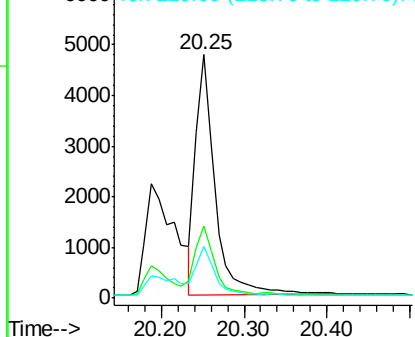
Delta R.T. 0.00 min

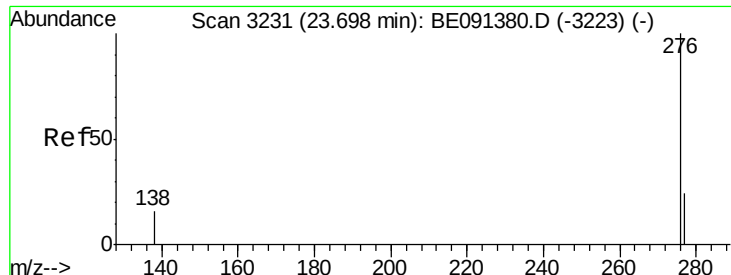
Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	228	Resp:	7560
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.4	35.0
229	21.4	15.7	23.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





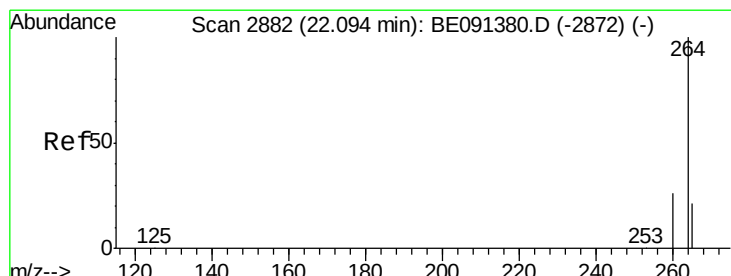
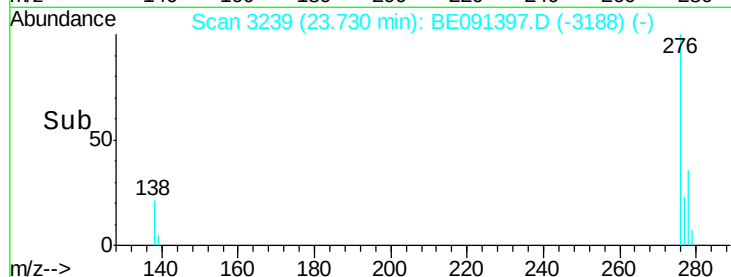
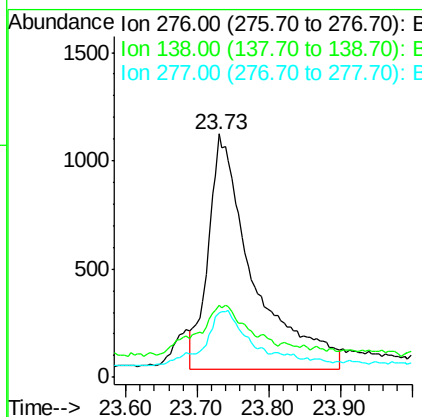
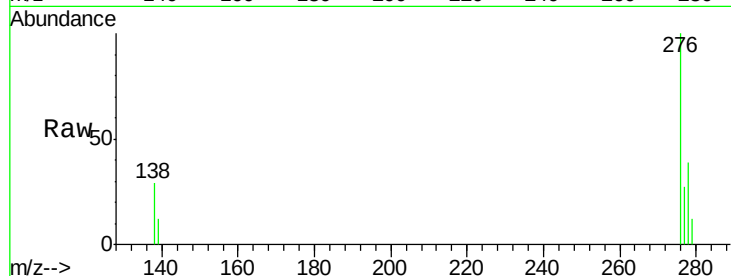
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.22 ng/ml
RT: 23.73 min Scan# 3239
Delta R.T. 0.03 min
Lab File: BE091397.D
Acq: 5 Feb 2016 13:24

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-02

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.6	25.0
277	14.5	19.0	28.6

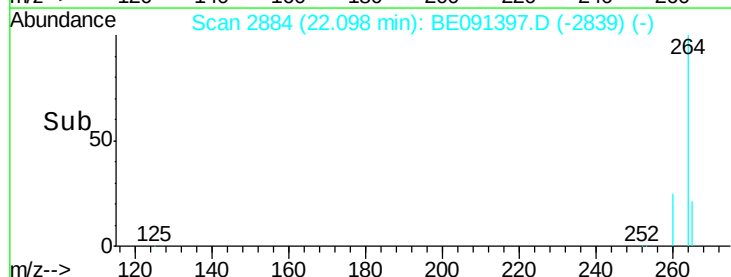
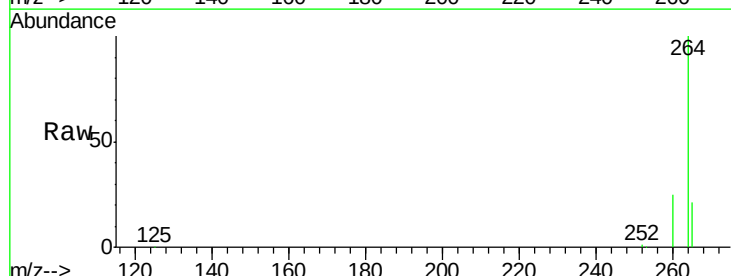
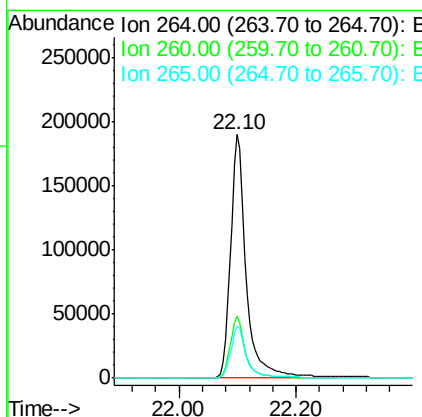
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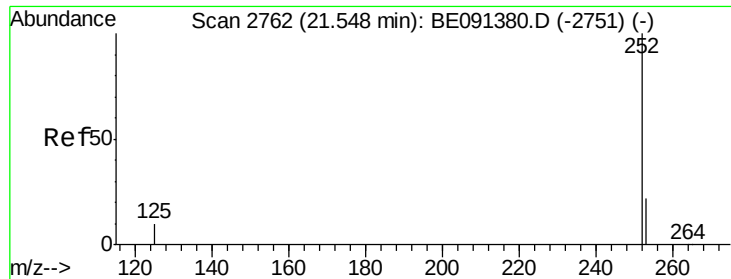
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BE091397.D
Acq: 5 Feb 2016 13:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.7	31.1
265	21.5	17.2	25.8





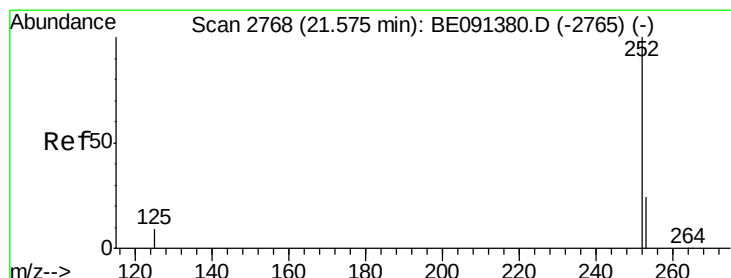
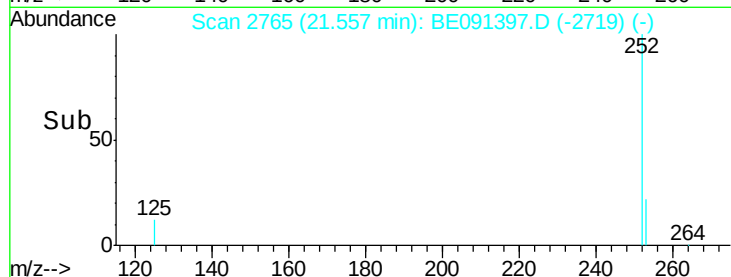
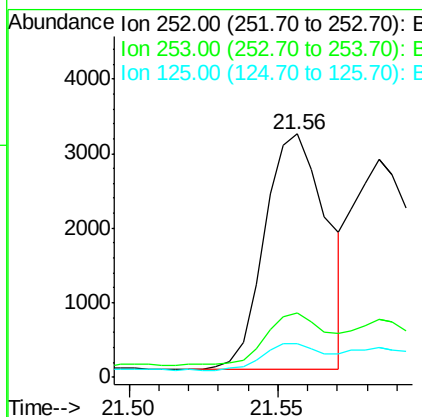
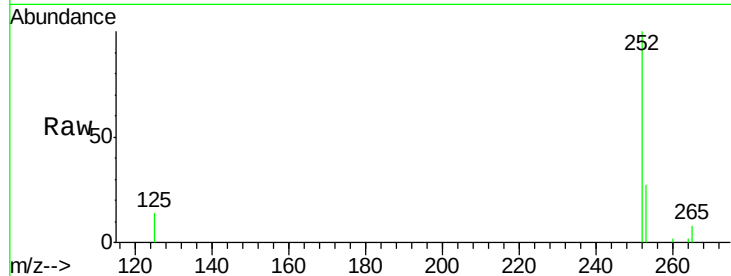
#25
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 21.56 min Scan# 2765
Delta R.T. 0.01 min
Lab File: BE091397.D
Acq: 5 Feb 2016 13:24

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER2016-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.2
125	14.0	8.3	12.5

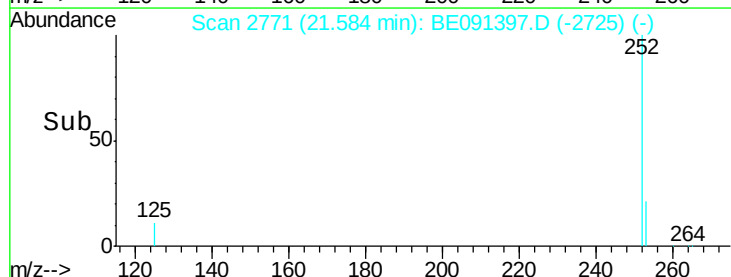
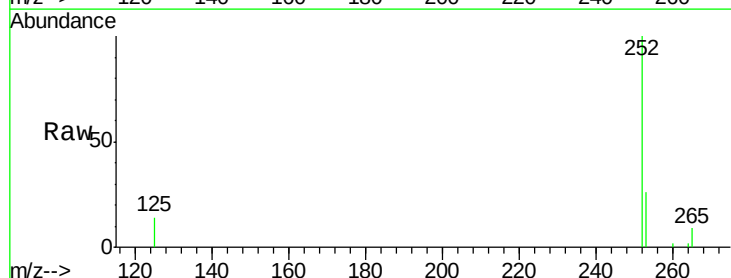
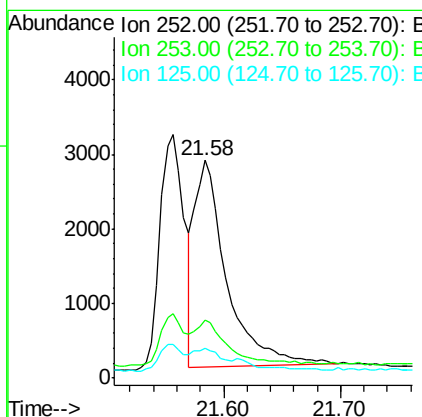
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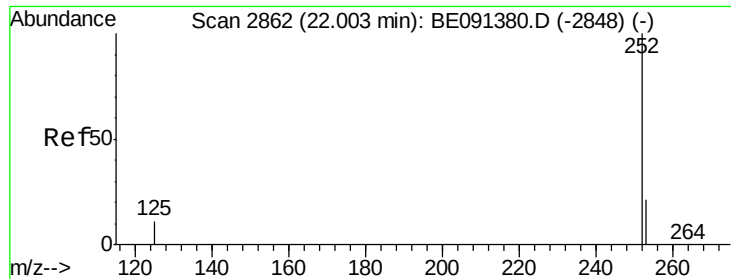
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#26
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 21.58 min Scan# 2771
Delta R.T. 0.01 min
Lab File: BE091397.D
Acq: 5 Feb 2016 13:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.1	27.1
125	13.9	8.2	12.4





#27

Benzo(a)pyrene

Concen: 0.22 ng

RT: 22.01 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

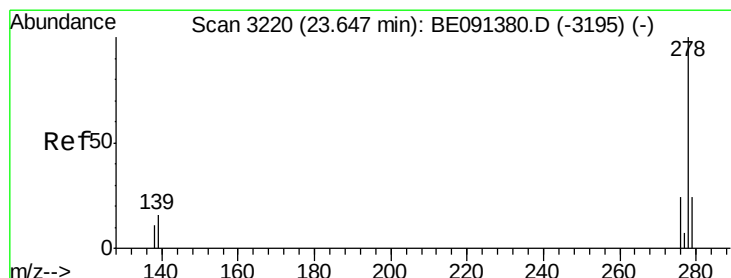
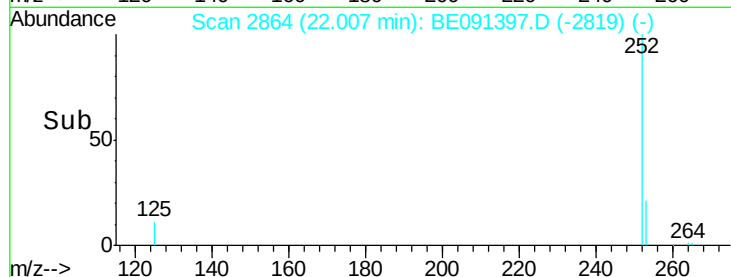
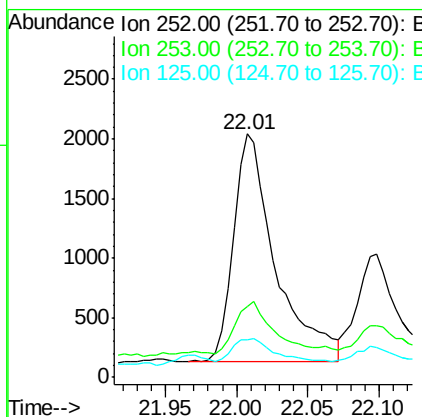
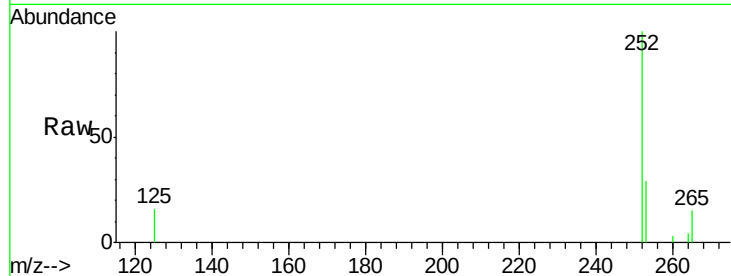
ClientSampleId :

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Tot Ion:	252	Resp:	3933
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.5	26.3#
125	15.7	9.4	14.0#

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#28

Dibenzo(a,h)anthracene

Concen: 0.29 ng

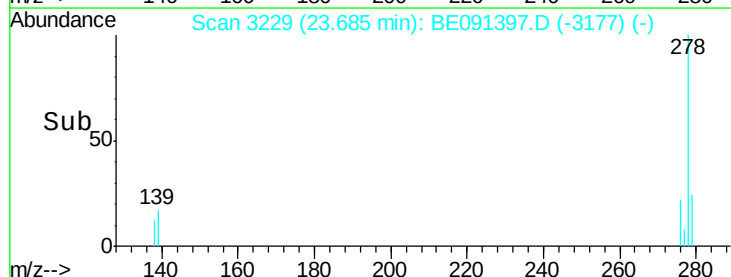
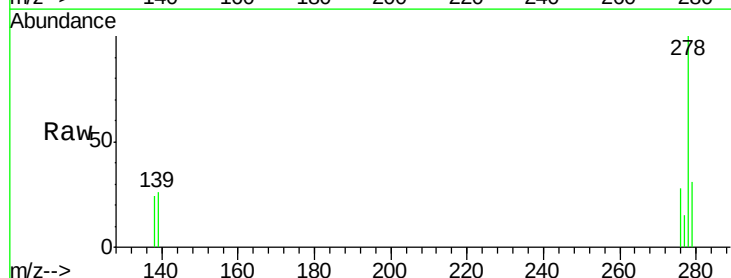
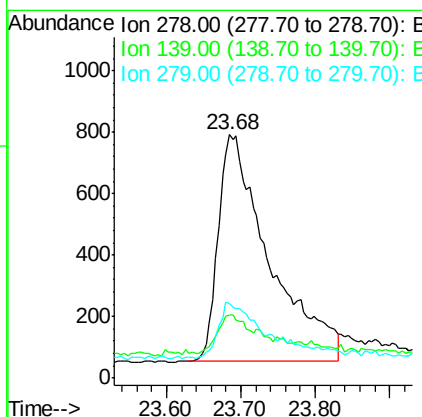
RT: 23.68 min Scan# 3229

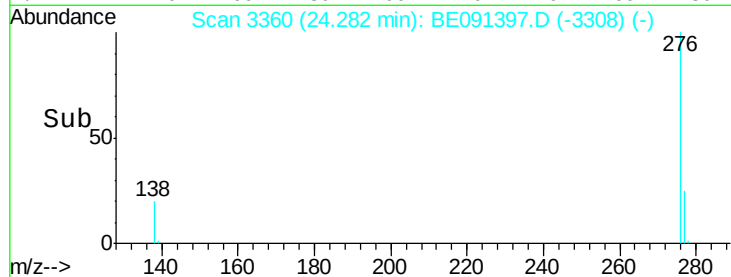
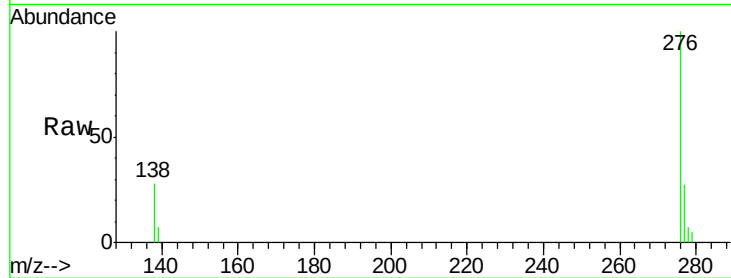
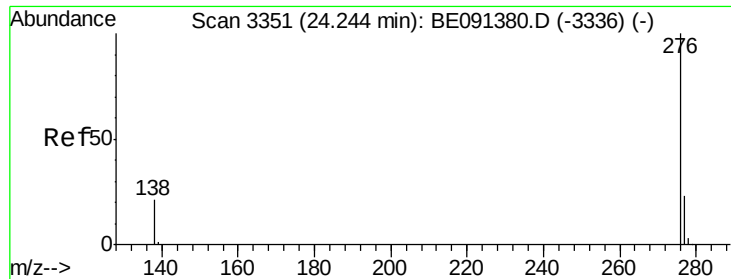
Delta R.T. 0.04 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Tgt Ion:	278	Resp:	3526
Ion Ratio	Lower	Upper	
278	100		
139	26.0	13.0	19.4#
279	30.7	19.2	28.8#





#29

Benzo(a,h,i)perylene

Concen: 0.20 ng

RT: 24.28 min Scan# 3360

Delta R.T. 0.04 min

Lab File: BE091397.D

Acq: 5 Feb 2016 13:24

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER2016-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.9	28.3
138	27.8	17.0	25.6

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