

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020416\
 Data File : BE091391.D
 Acq On : 4 Feb 2016 12:14
 Operator : UM/IZ
 Sample : G4825-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-WATER2016-01

Manual Integrations
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 2/5/2016 3:38:16 PM

Quant Time: Feb 05 12:39:21 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	6.88	152	48693	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	226584	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	144435	5.00	ng	0.00
14) Phenanthrene-d10	16.09	188	377466	5.00	ng	0.00
18) Chrysene-d12	20.22	240	412334	5.00	ng	0.00
24) Perylene-d12	22.10	264	371803	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	76422	6.65	ng	-0.04
3) Phenol-d6	6.54	99	104234	6.41	ng	-0.03
5) Nitrobenzene-d5	8.18	82	41825	2.91	ng	0.00
9) 2,4,6-Tribromophenol	14.90	330	25364	3.77	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	146185	3.89	ng	0.00
20) Terphenyl-d14	18.61	244	251255	4.12	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.60	128	3709	0.07	ng	# 91
7) 2-Methylnaphthalene	11.18	142	2151	0.19	ng	95
11) Acenaphthylene	13.12	152	12298	0.23	ng	99
12) Acenaphthene	13.42	154	2765	0.07	ng	96
13) Fluorene	14.43	166	3210	0.06	ng	98
15) Phenanthrene	16.13	178	7450	0.08	ng	96
16) Anthracene	16.22	178	5050	0.06	ng	97
17) Fluoranthene	18.11	202	6158	0.18	ng	99
19) Pyrene	18.49	202	6062	0.07	ng	99
21) Benzo(a)anthracene	20.19	228	5591	0.23	ng	98
22) Chrysene	20.25	228	8638	0.01	ng	98
23) Indeno(1,2,3-cd)pyrene	23.73	276	4398m	0.21	ng	
25) Benzo(b)fluoranthene	21.56	252	4933	0.20	ng	# 93
26) Benzo(k)fluoranthene	21.58	252	5475	0.08	ng	# 91
27) Benzo(a)pyrene	22.01	252	3814	0.21	ng	# 84
28) Dibenzo(a,h)anthracene	23.69	278	3523	0.29	ng	# 85
29) Benzo(g,h,i)perylene	24.28	276	4860	0.19	ng	# 85

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

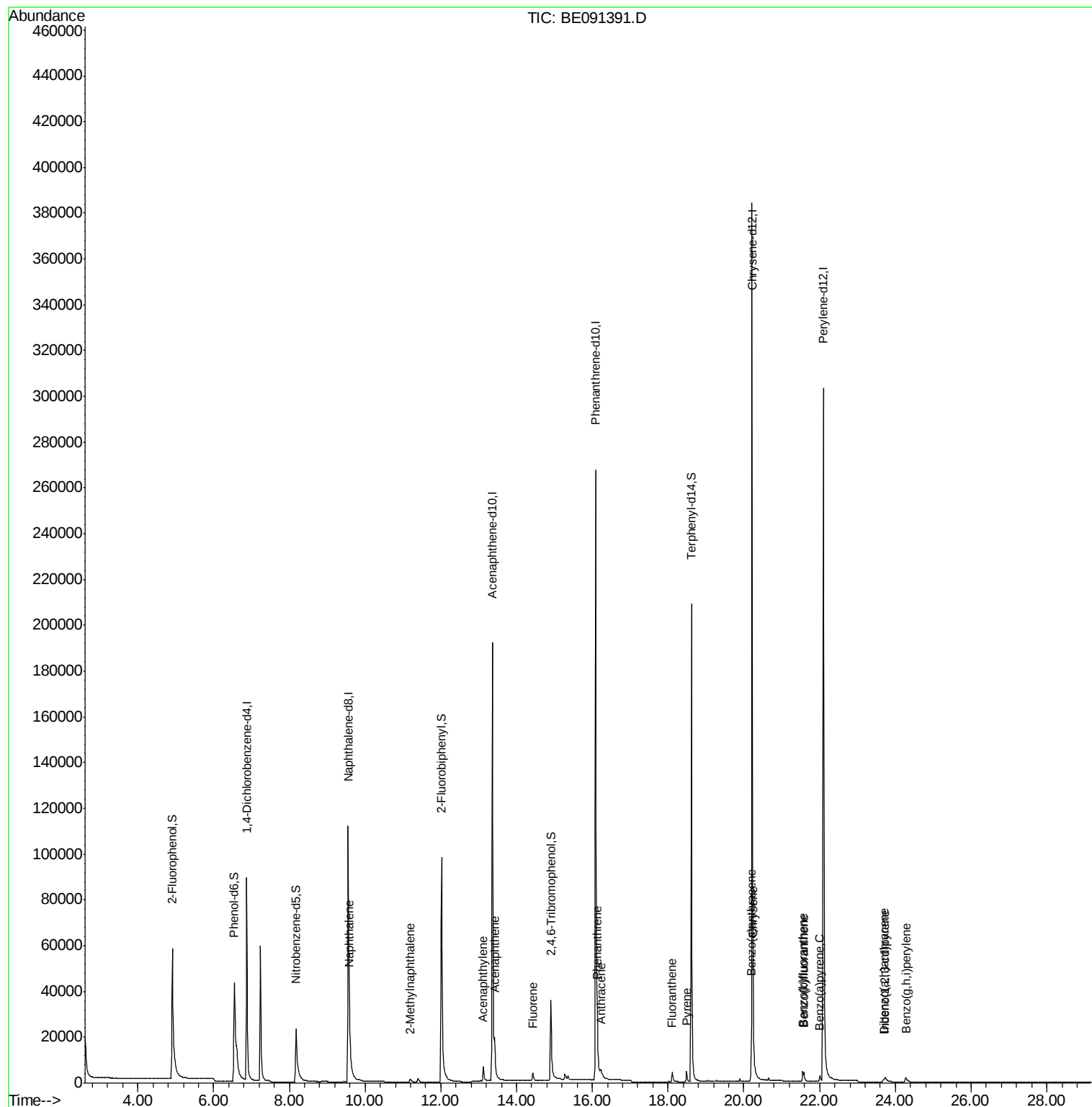
Data Path : Z:\HPCHEM1\BNA E\DATA\BE020416\
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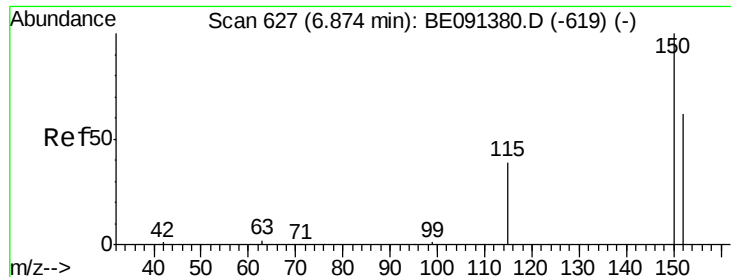
Instrument :
BNA_E
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LOD-WATER2016-01

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#1

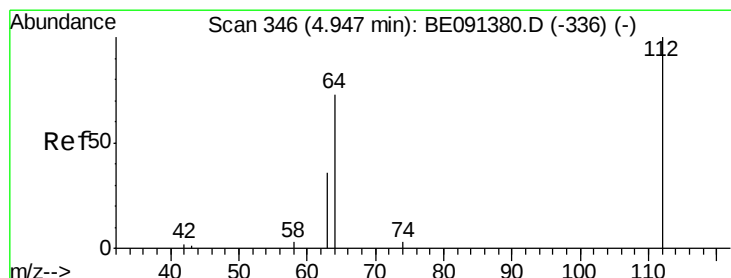
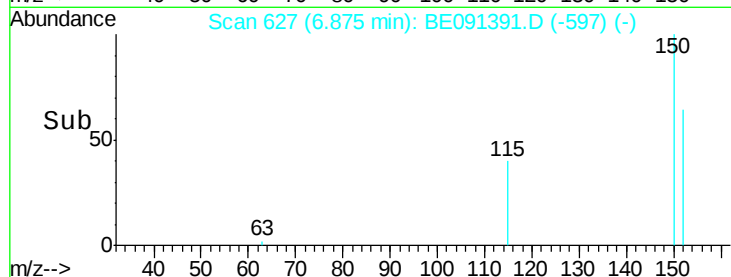
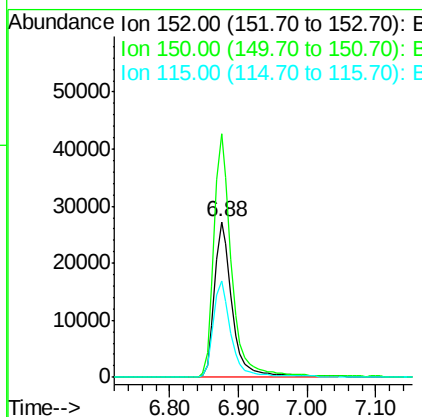
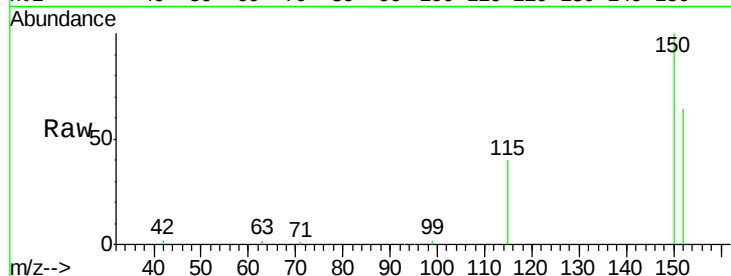
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.88 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	128.9	193.3
115	62.5	50.9	76.3

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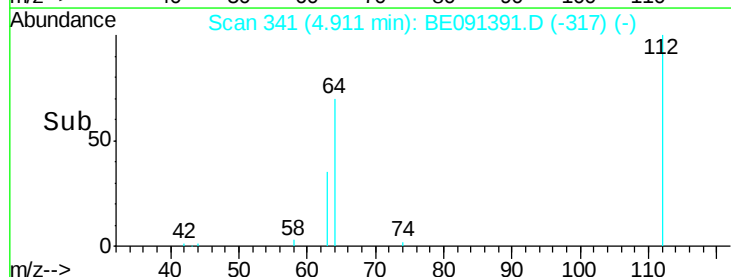
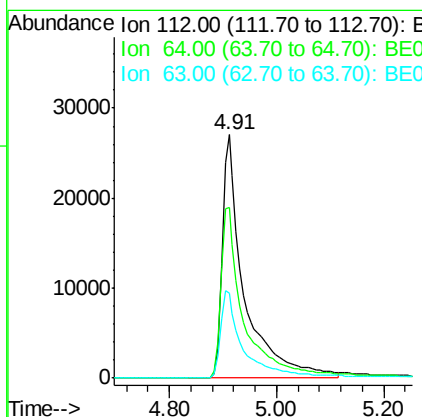
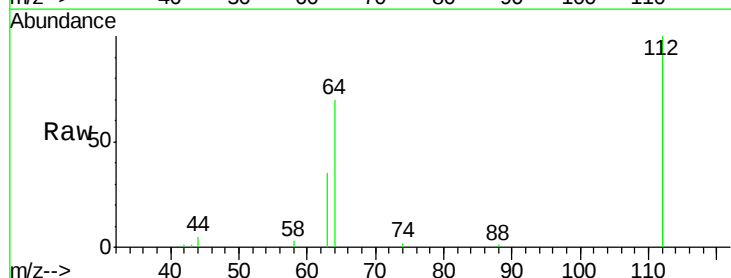
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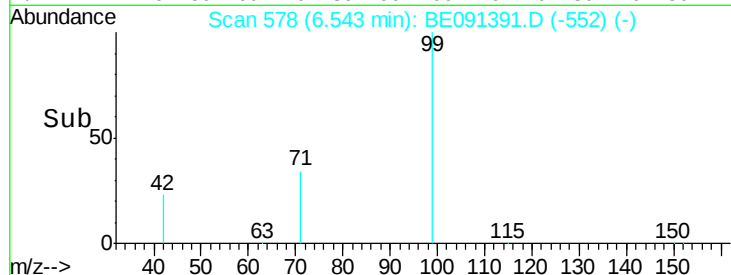
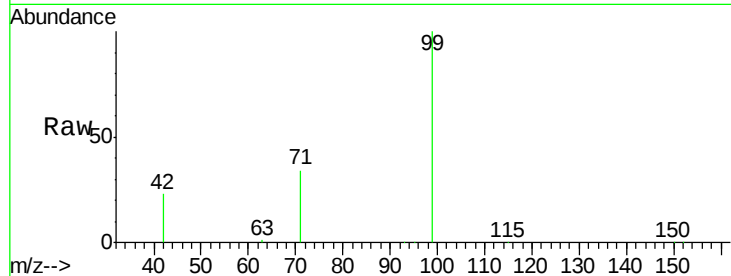
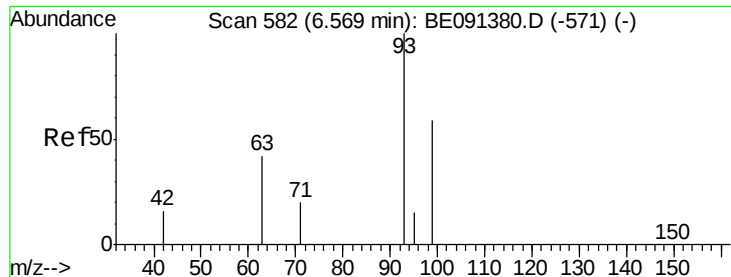


#2

2-Fluorophenol
Concen: 6.65 ng
RT: 4.91 min Scan# 341
Delta R.T. -0.04 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	60.5	90.7
63	36.4	29.8	44.8





#3

Phenol-d6

Concen: 6.41 ng

RT: 6.54 min Scan# 578

Delta R.T. -0.03 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tot Ion:	99	Resp:	104234
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.3	19.9
71	33.5	25.6	38.4

Instrument :

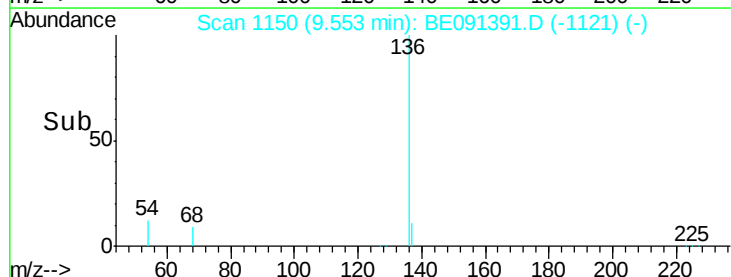
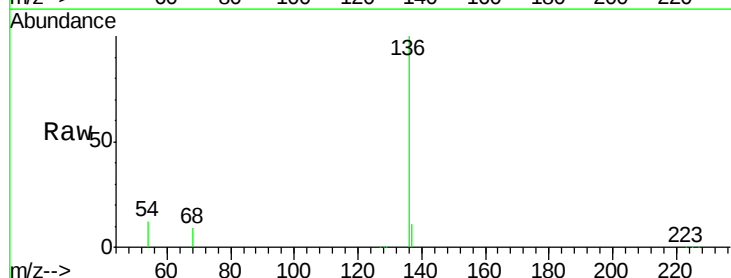
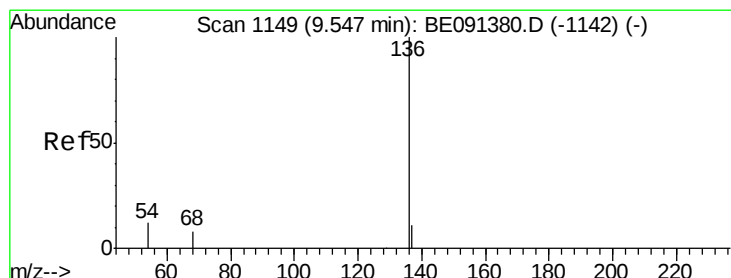
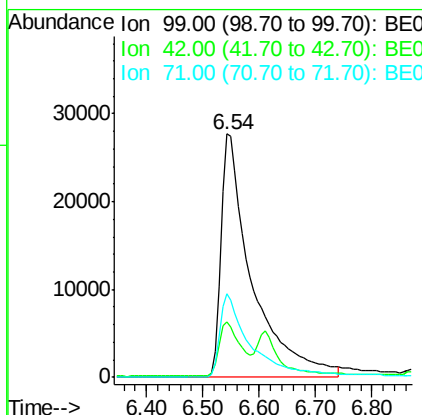
BNA_E

ClientSampleId :

LOD-WATER2016-01

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#4

Naphthalene-d8

Concen: 5.00 ng

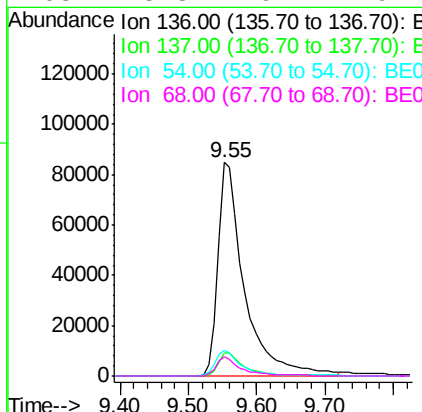
RT: 9.55 min Scan# 1150

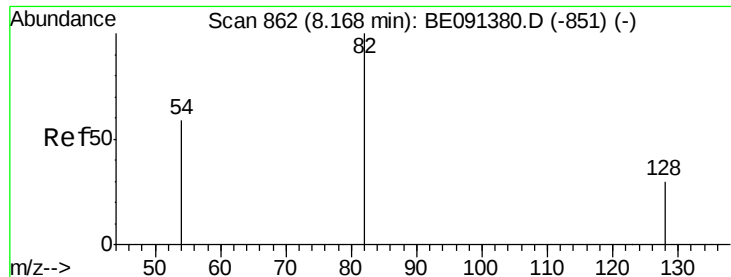
Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	136	Resp:	226584
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	12.3	9.3	13.9
68	8.8	6.7	10.1





#5

Nitrobenzene-d5

Concen: 2.91 ng

RT: 8.18 min Scan# 864

Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

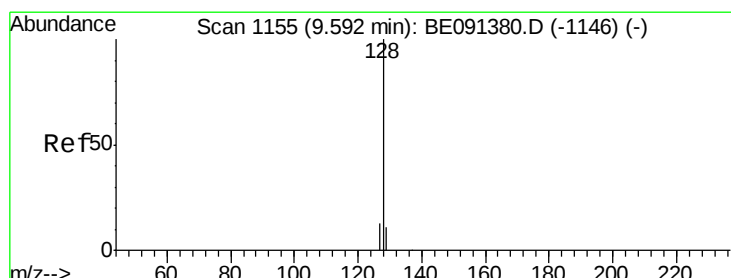
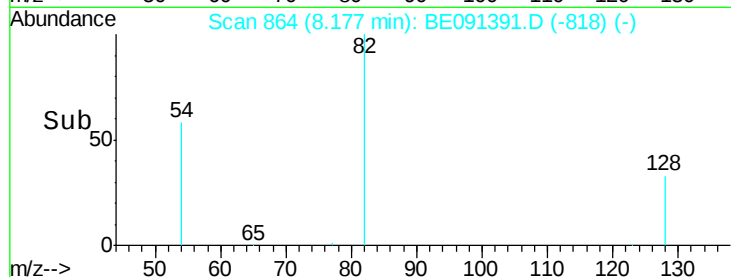
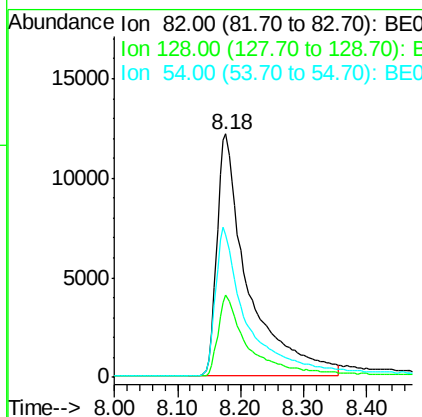
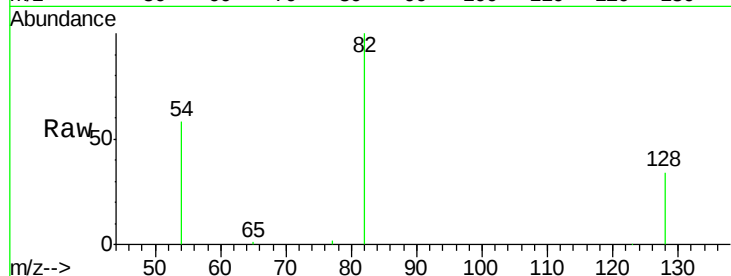
ClientSampleId :

LOD-WATER2016-01

Tot Ion:	82	Resp:	41825
Ion Ratio	Lower	Upper	
82	100		
128	33.8	25.0	37.4
54	58.4	48.1	72.1

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#6

Naphthalene

Concen: 0.07 ng

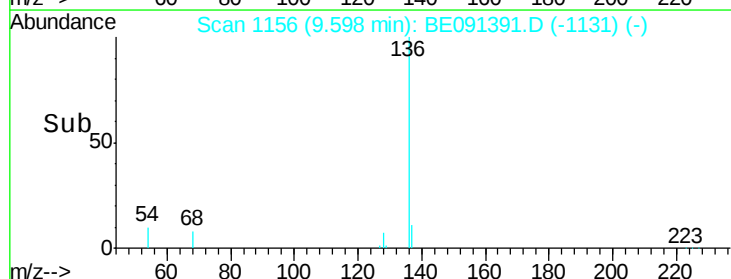
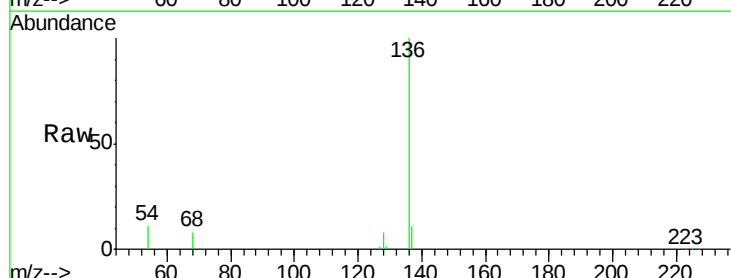
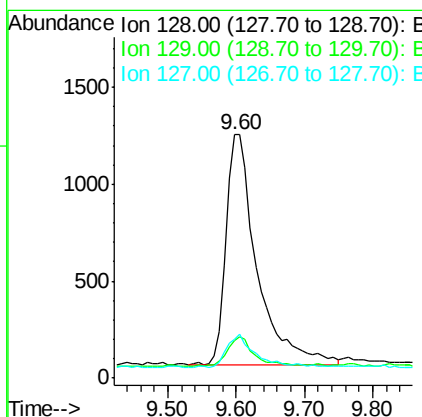
RT: 9.60 min Scan# 1156

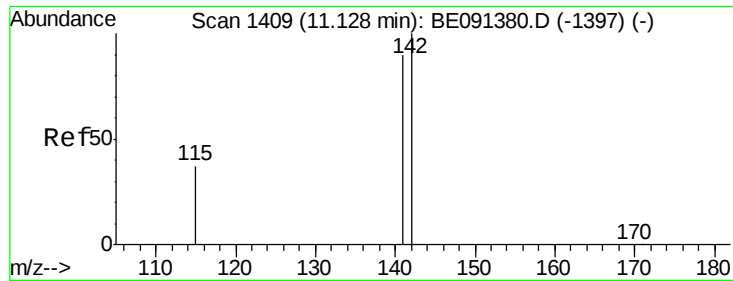
Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	128	Resp:	3709
Ion Ratio	Lower	Upper	
128	100		
129	15.3	9.1	13.7#
127	16.2	10.5	15.7#





#7

2-Methylnaphthalene

Concen: 0.19 ng

RT: 11.18 min Scan# 1421

Delta R.T. 0.05 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

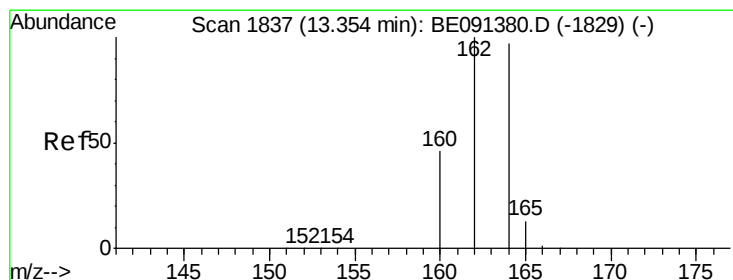
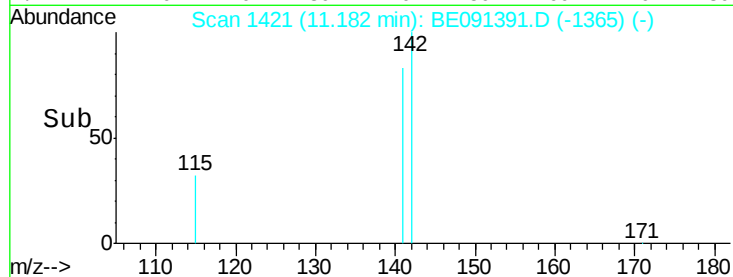
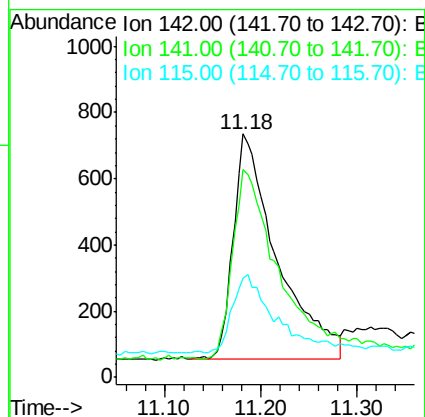
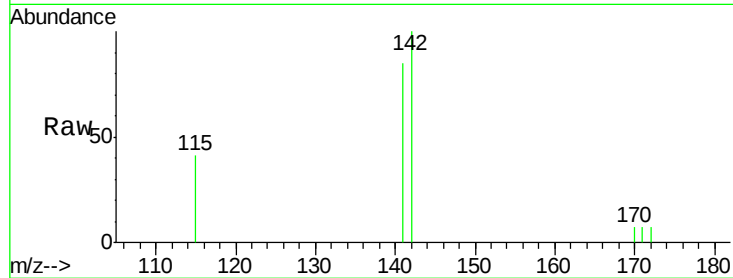
ClientSampleId :

LOD-WATER2016-01

Tot Ion:	142	Resp:	2151
Ion Ratio	Lower	Upper	
142	100		
141	85.1	72.3	108.5
115	40.8	30.5	45.7

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#8

Acenaphthene-d10

Concen: 5.00 ng

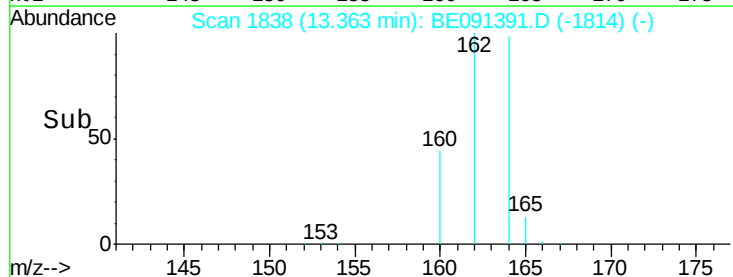
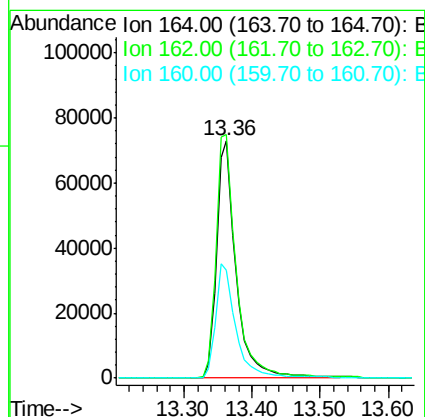
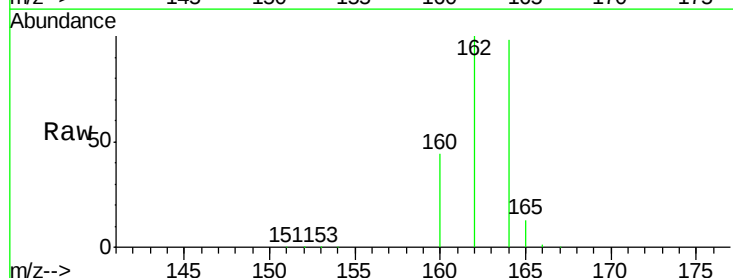
RT: 13.36 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	164	Resp:	144435
Ion Ratio	Lower	Upper	
164	100		
162	102.4	82.2	123.2
160	45.5	37.8	56.8





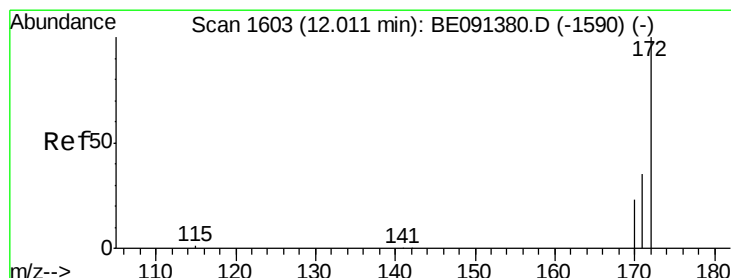
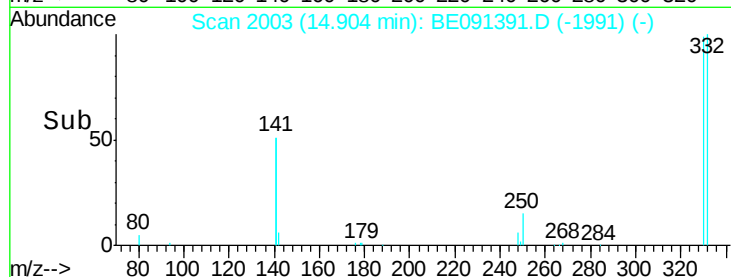
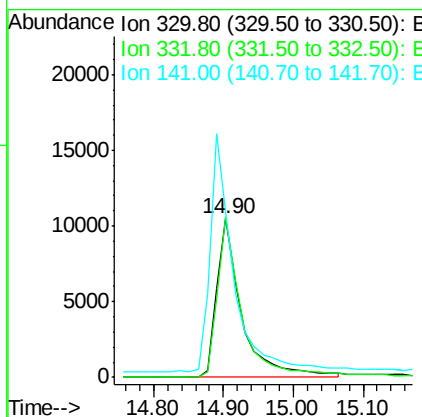
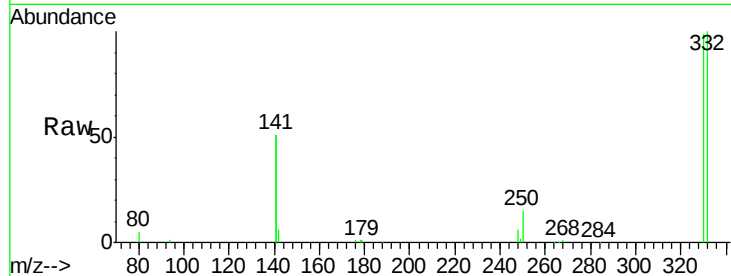
#9
 2,4,6-Tribromophenol
 Concen: 3.77 ng
 RT: 14.90 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BE091391.D
 Acq: 4 Feb 2016 12:14

Instrument :
 BNA_E
 ClientSampleId :
 LOD-WATER2016-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	78.8	118.2
141	145.1	105.1	157.7

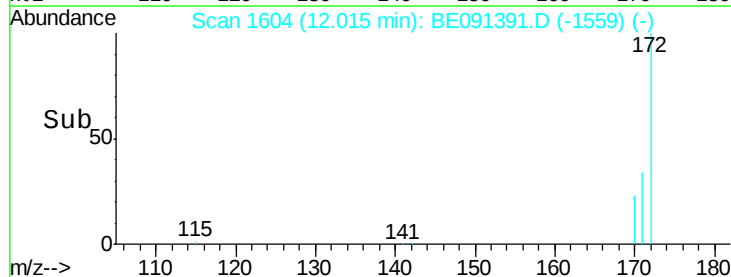
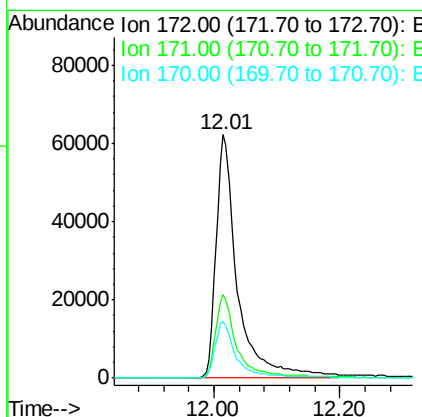
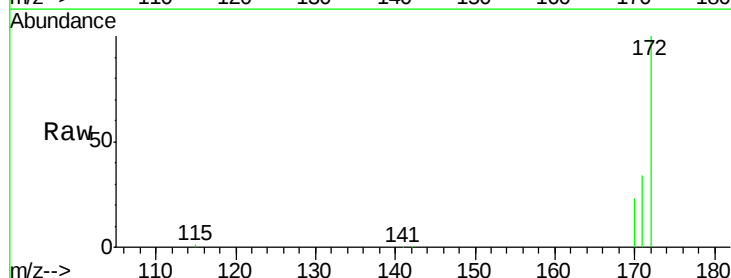
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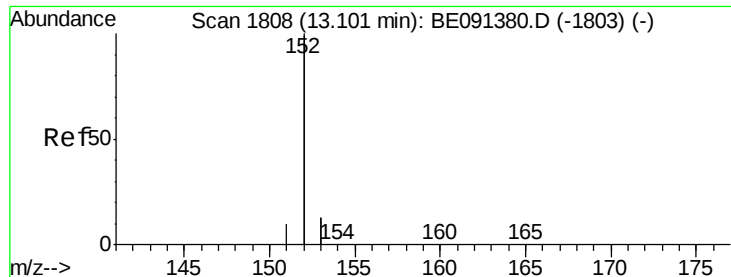
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#10
 2-Fluorobiphenyl
 Concen: 3.89 ng
 RT: 12.01 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BE091391.D
 Acq: 4 Feb 2016 12:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.8
170	23.4	18.6	28.0





#11

Acenaphthylene

Concen: 0.23 ng

RT: 13.12 min Scan# 1810

Delta R.T. 0.02 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

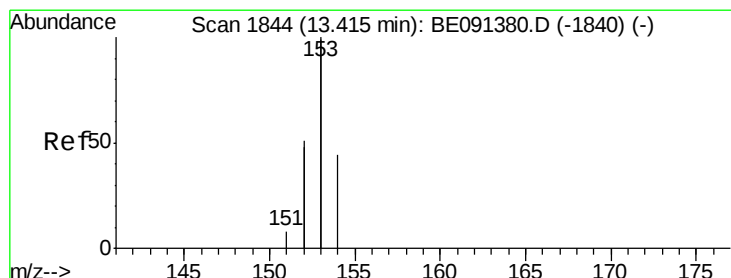
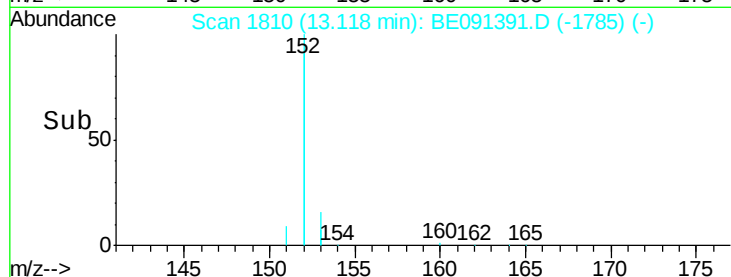
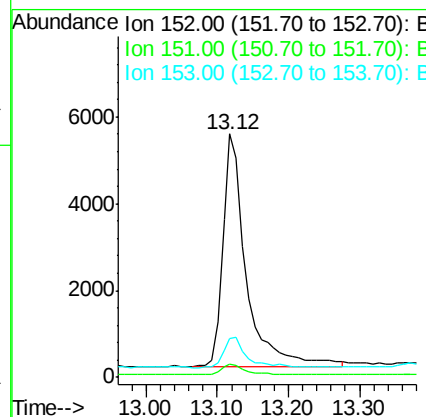
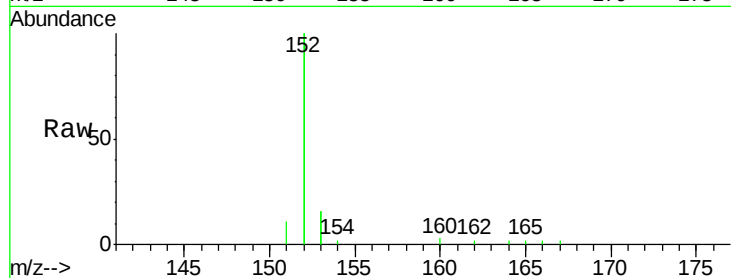
ClientSampleId :

LOD-WATER2016-01

Tot Ion:	152	Resp:	12298
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.8	5.8
153	13.5	10.2	15.4

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#12

Acenaphthene

Concen: 0.07 ng

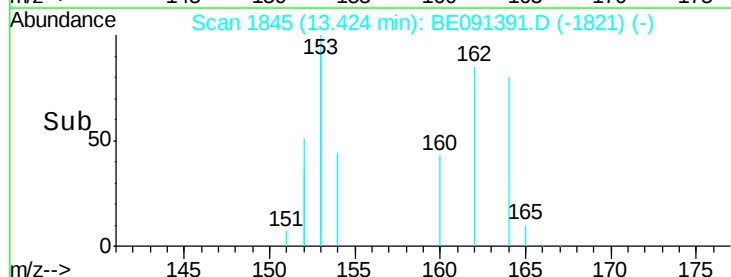
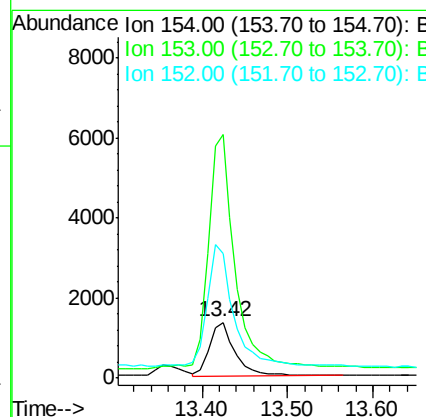
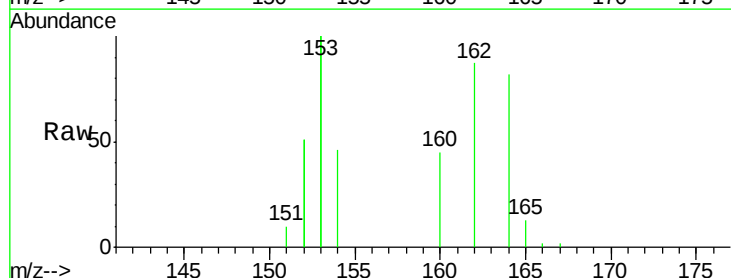
RT: 13.42 min Scan# 1845

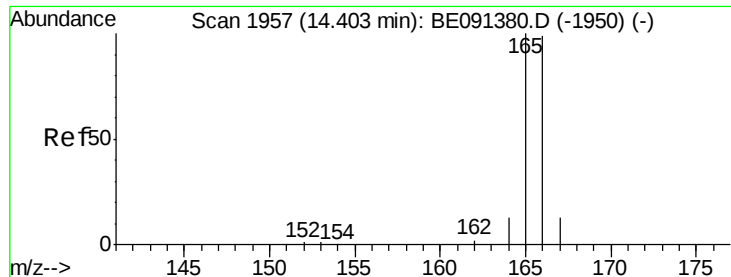
Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	154	Resp:	2765
Ion Ratio	Lower	Upper	
154	100		
153	469.9	369.8	554.8
152	233.7	194.4	291.6





#13

Fluorene

Concen: 0.06 ng

RT: 14.43 min Scan# 1960

Delta R.T. 0.03 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

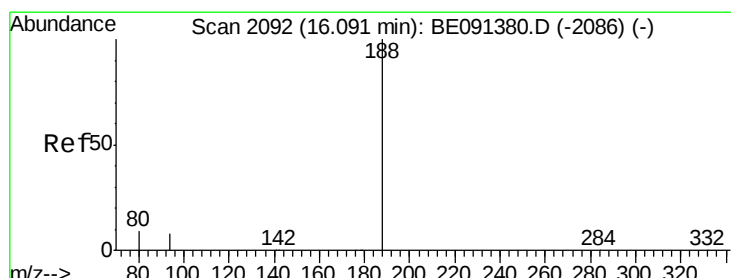
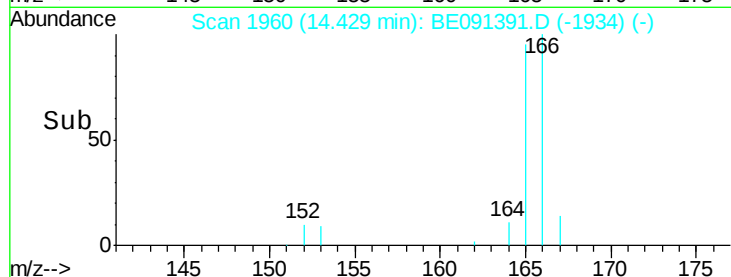
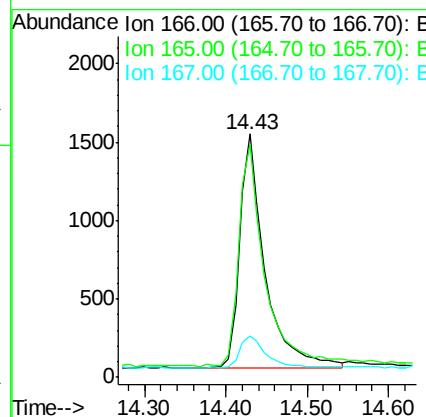
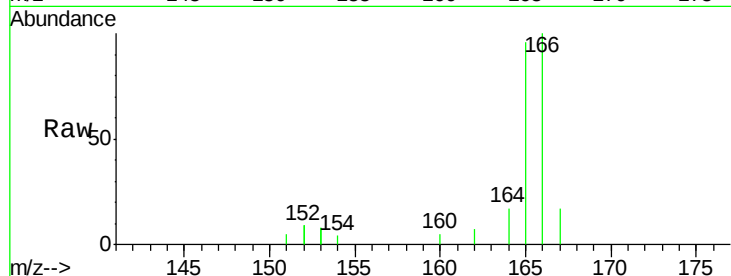
ClientSampleId :

LOD-WATER2016-01

Tot Ion:	166	Resp:	3210
Ion Ratio	Lower	Upper	
166	100		
165	100.4	79.3	118.9
167	15.8	10.6	16.0

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#14

Phenanthrene-d10

Concen: 5.00 ng

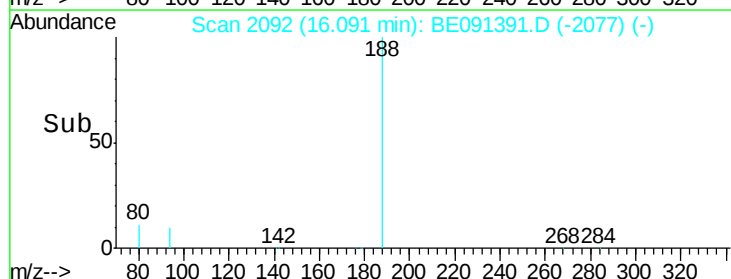
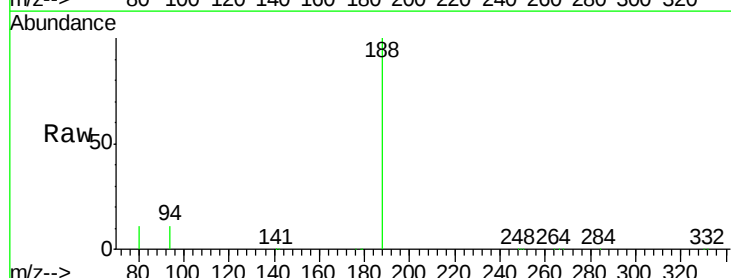
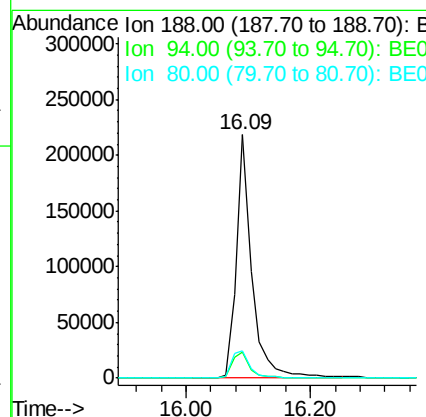
RT: 16.09 min Scan# 2092

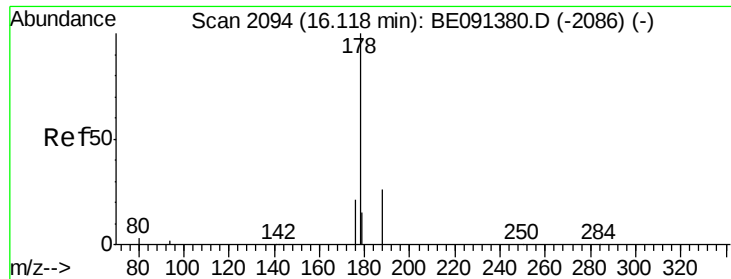
Delta R.T. -0.00 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	188	Resp:	377466
Ion Ratio	Lower	Upper	
188	100		
94	10.6	6.6	10.0#
80	11.2	7.0	10.6#





#15

Phenanthrene

Concen: 0.08 ng

RT: 16.13 min Scan# 2095

Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

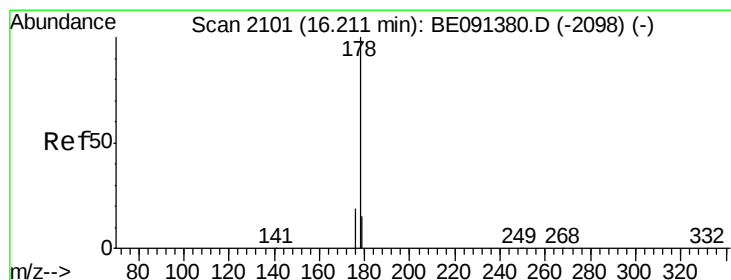
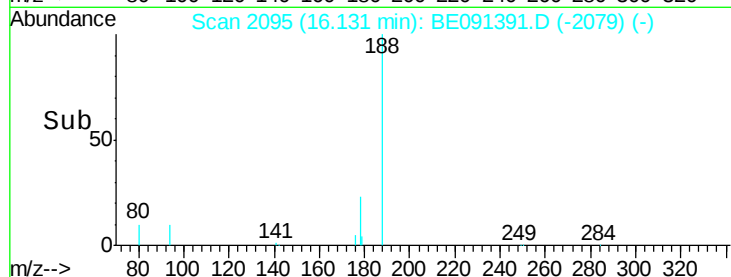
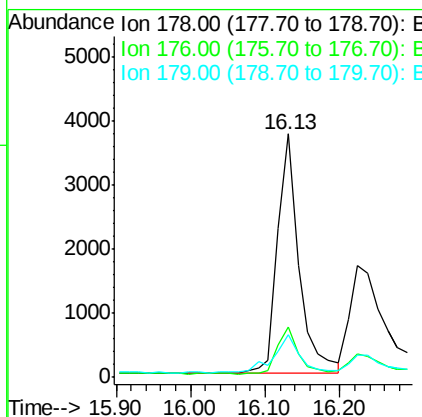
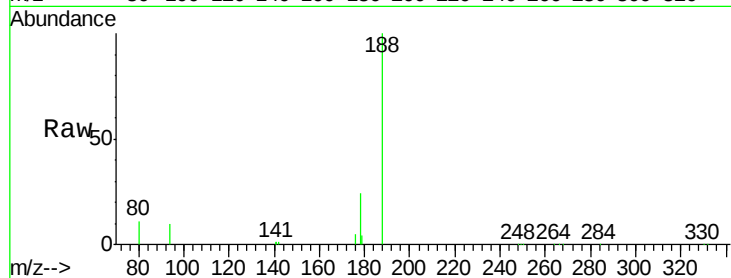
ClientSampleId :

LOD-WATER2016-01

Tot Ion:	178	Resp:	7450
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.2
179	19.0	12.7	19.1

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#16

Anthracene

Concen: 0.06 ng

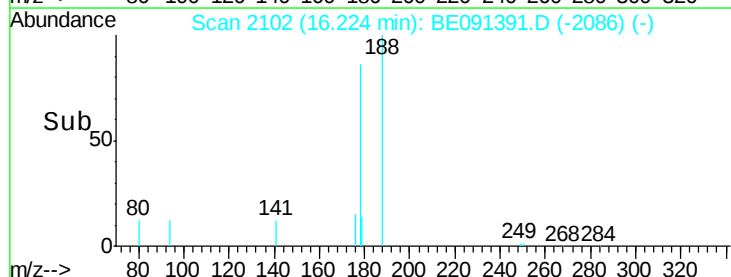
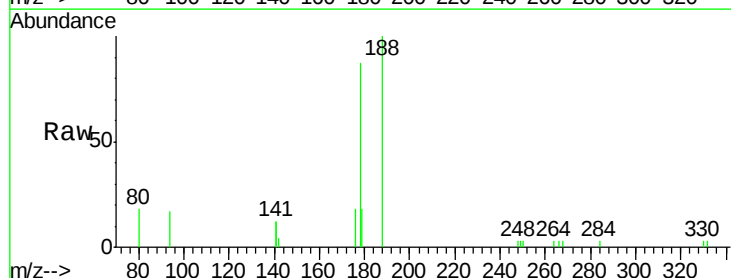
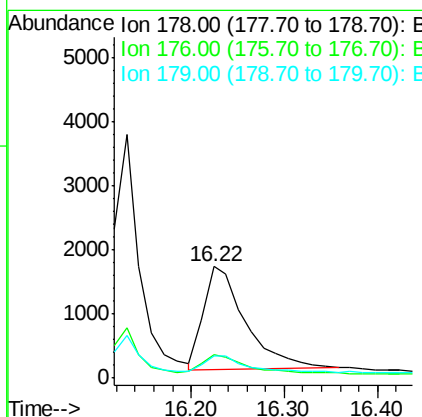
RT: 16.22 min Scan# 2102

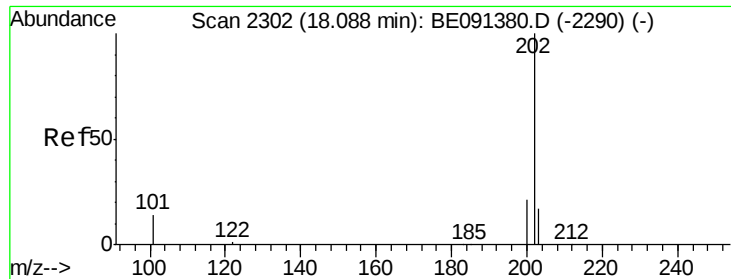
Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	178	Resp:	5050
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.8	22.2
179	17.1	12.1	18.1





#17

Fluoranthene

Concen: 0.18 ng

RT: 18.11 min Scan# 2305

Delta R.T. 0.02 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

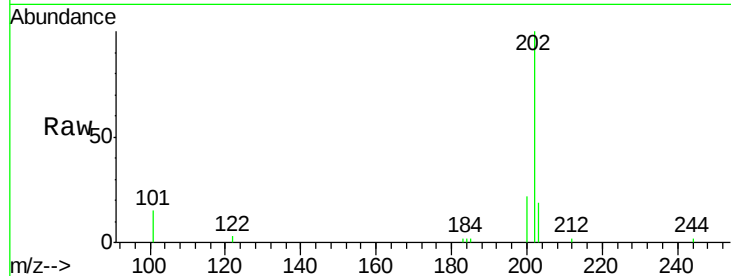
ClientSampleId :

LOD-WATER2016-01

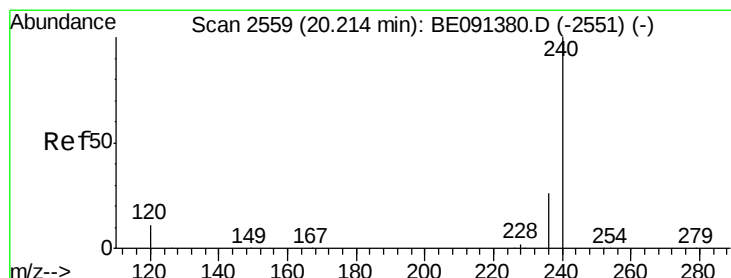
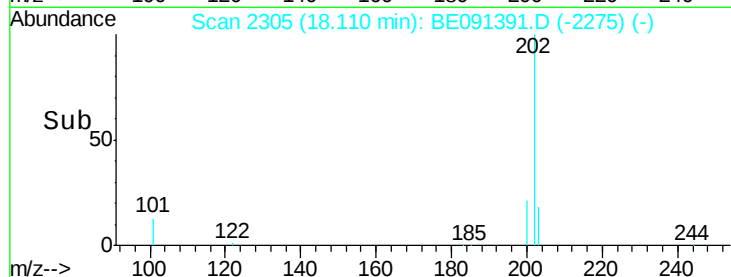
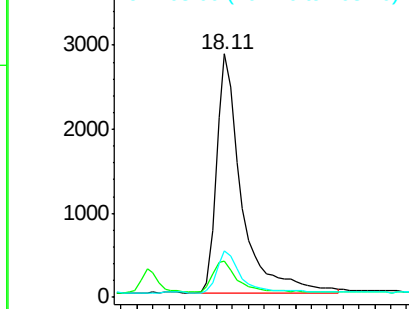
Tot Ion:	202	Resp:	6158
Ion Ratio	Lower	Upper	
202	100		
101	12.8	10.5	15.7
203	17.1	13.9	20.9

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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



#18

Chrysene-d12

Concen: 5.00 ng

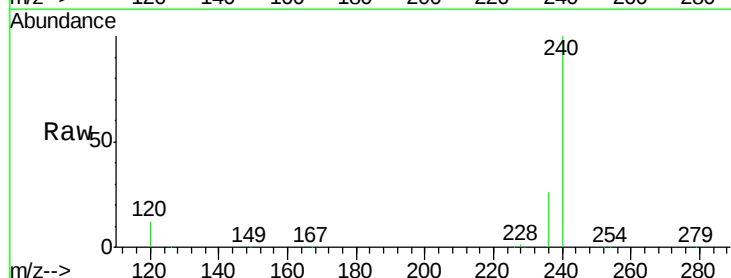
RT: 20.22 min Scan# 2560

Delta R.T. 0.00 min

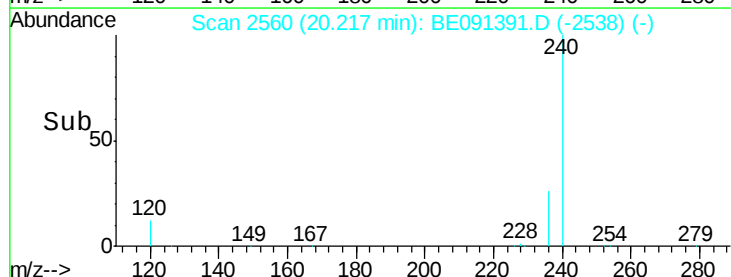
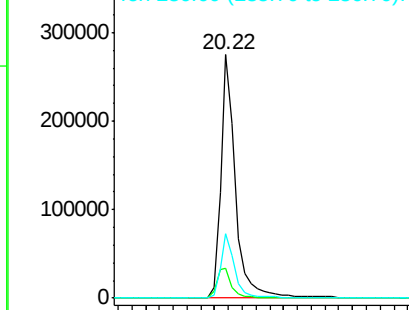
Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	240	Resp:	412334
Ion Ratio	Lower	Upper	
240	100		
120	12.1	8.9	13.3
236	26.4	21.0	31.4



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





#19

Pvrene

Concen: 0.07 ng

RT: 18.49 min Scan# 2355

Delta R.T. 0.01 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

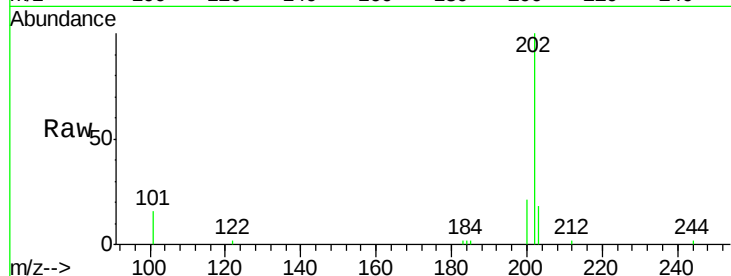
ClientSampleId :

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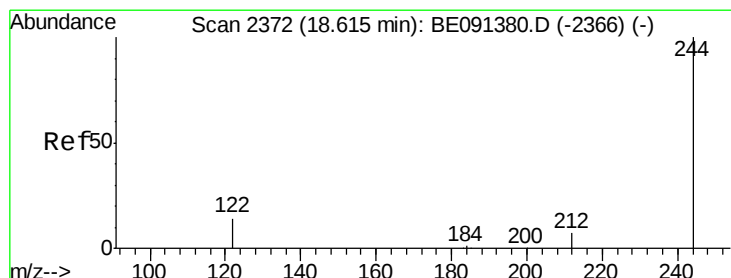
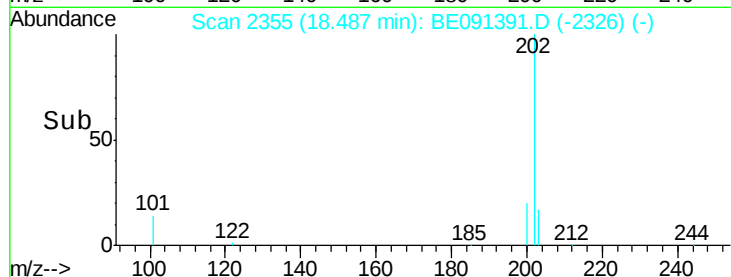
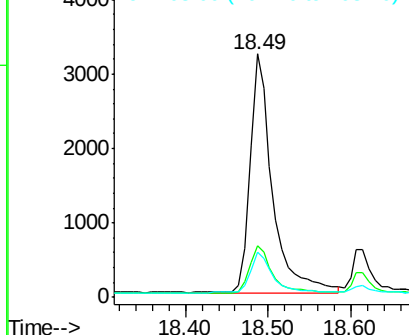
Tot Ion:	202	Resp:	6062
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.8	25.2
203	17.3	14.0	21.0

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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: 4.12 ng

RT: 18.61 min Scan# 2372

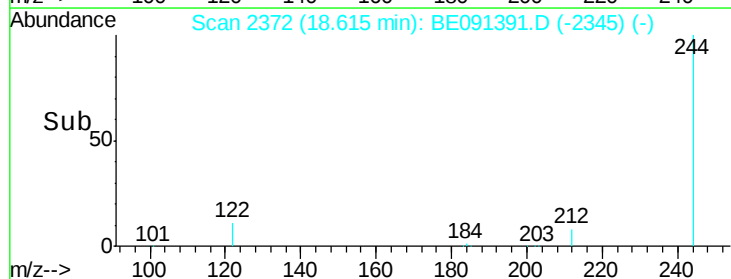
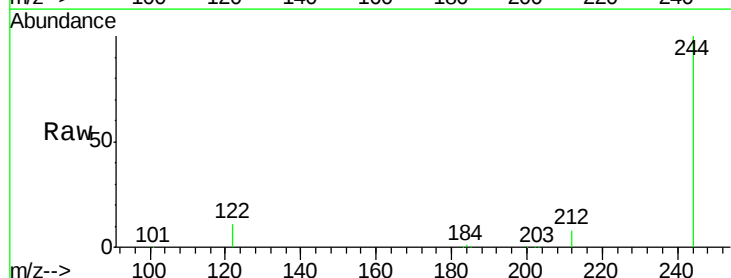
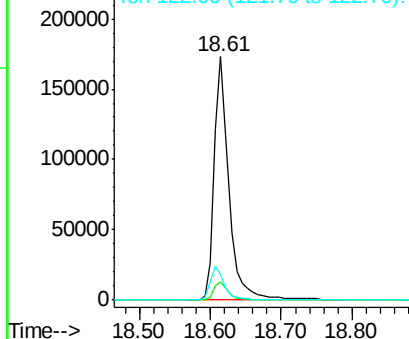
Delta R.T. -0.00 min

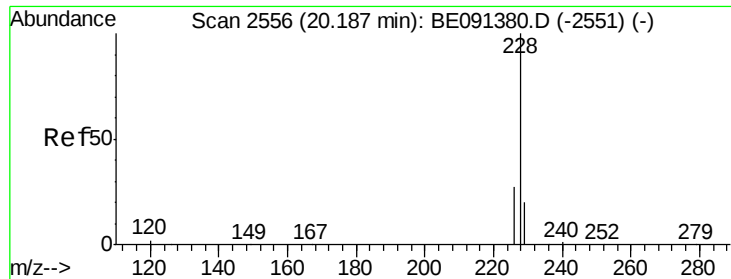
Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Tgt Ion:	244	Resp:	251255
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.1	9.1
122	10.7	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





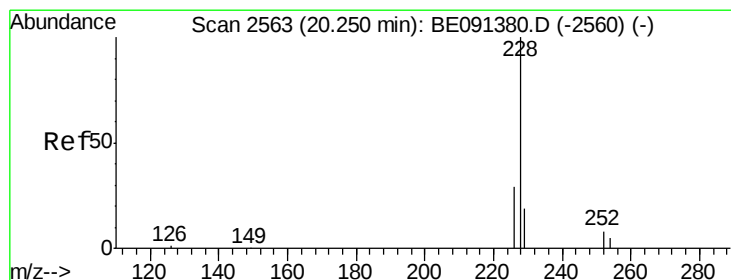
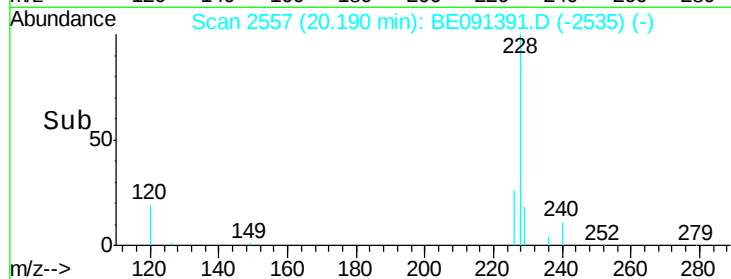
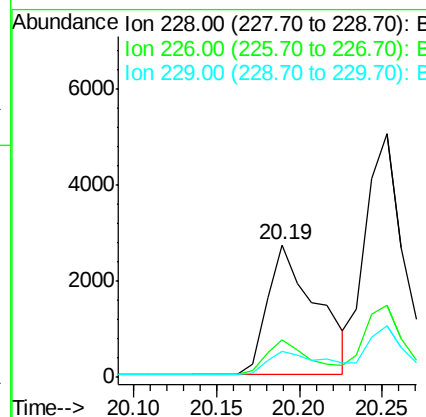
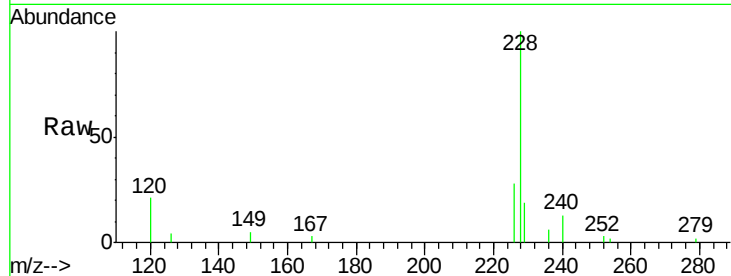
#21
Benzo(a)anthracene
Concen: 0.23 ng
RT: 20.19 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.7	32.5
229	19.3	16.1	24.1

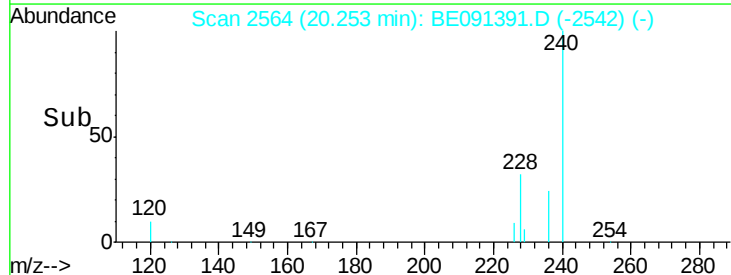
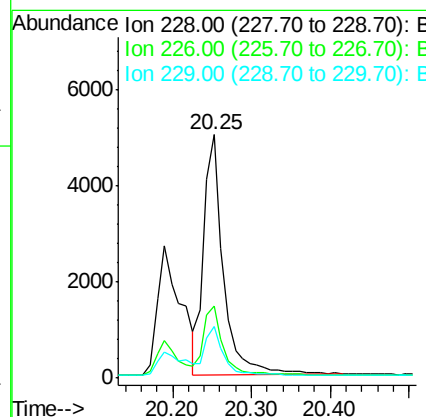
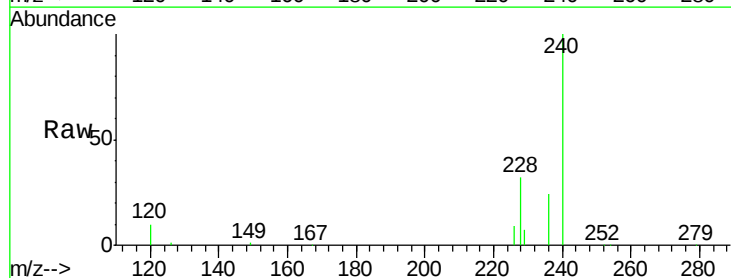
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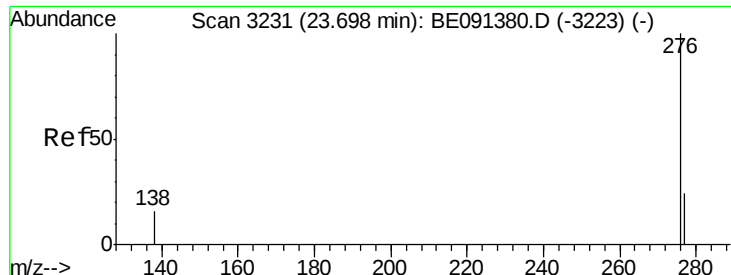
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#22
Chrysene
Concen: 0.01 ng
RT: 20.25 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	21.3	15.7	23.5





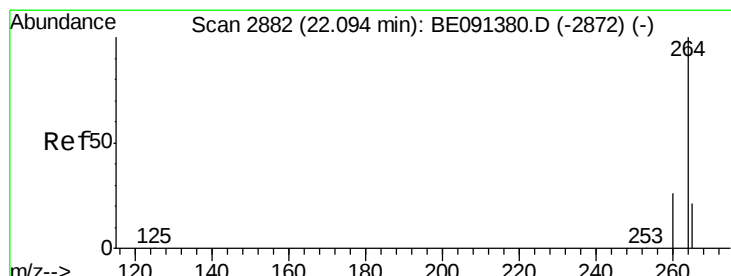
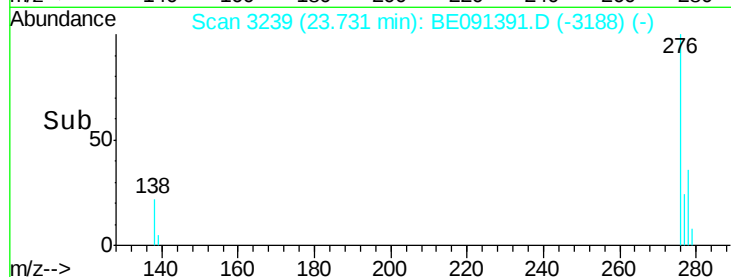
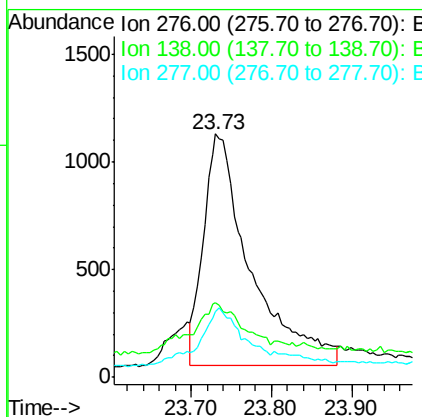
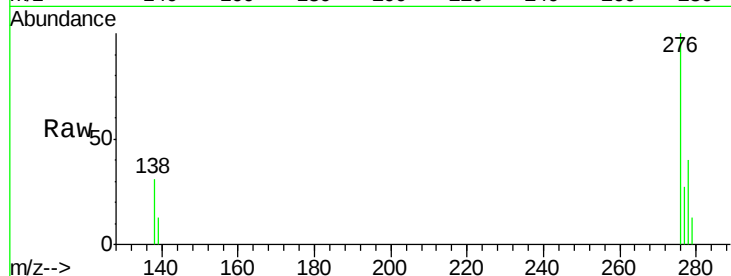
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.21 ng/mL
RT: 23.73 min Scan# 3239
Delta R.T. 0.03 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	16.6	25.0
277	23.6	19.0	28.6

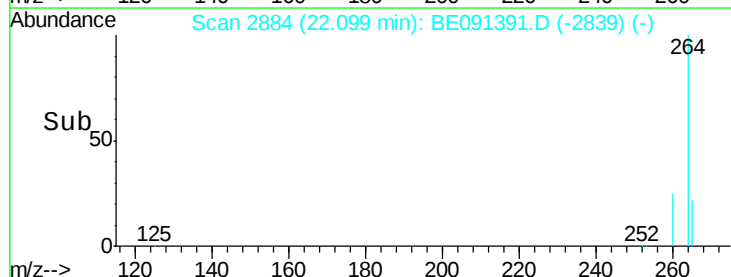
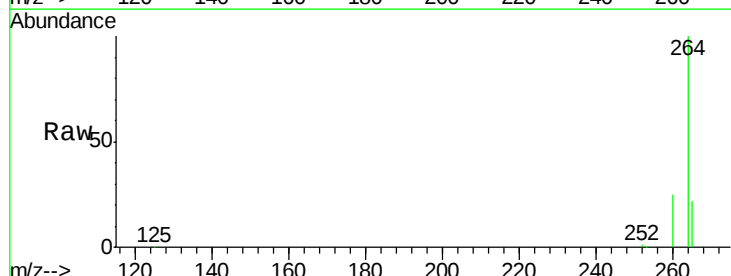
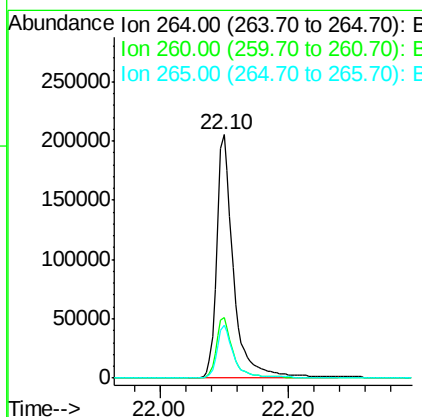
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2884
Delta R.T. 0.01 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.7	31.1
265	22.0	17.2	25.8





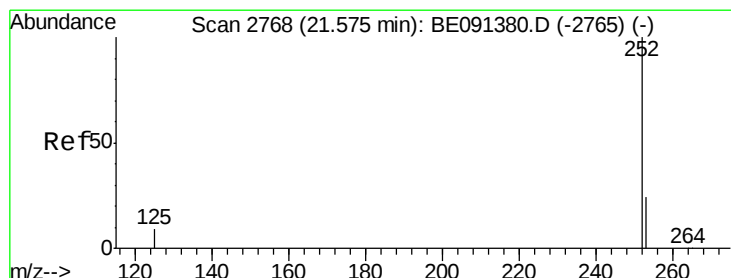
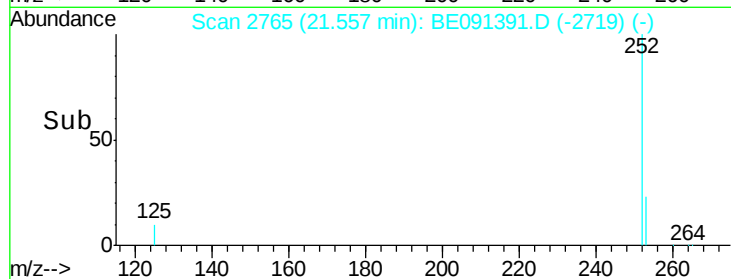
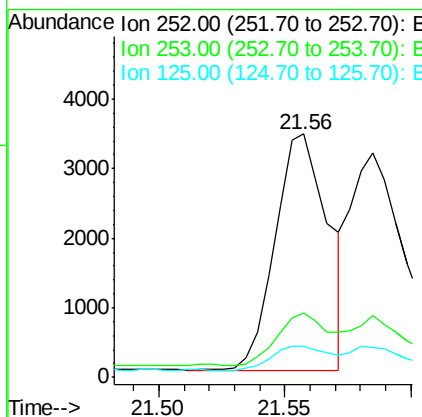
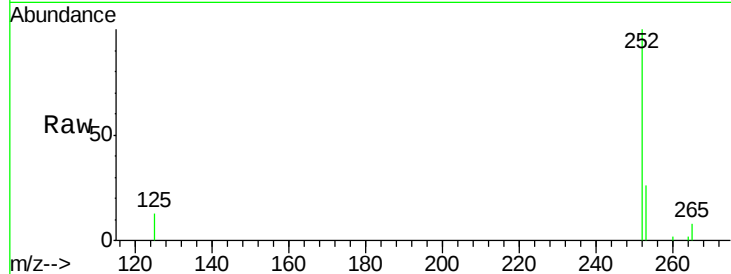
#25
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 21.56 min Scan# 2765
Delta R.T. 0.01 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.2	27.2
125	12.8	8.3	12.5#

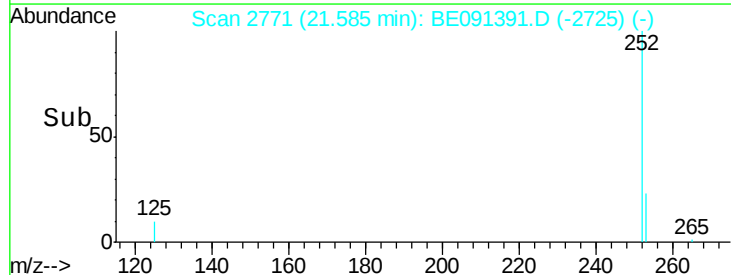
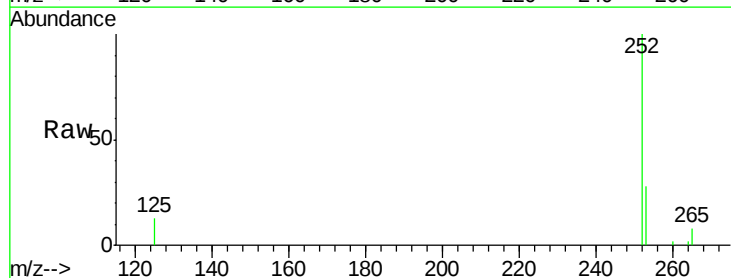
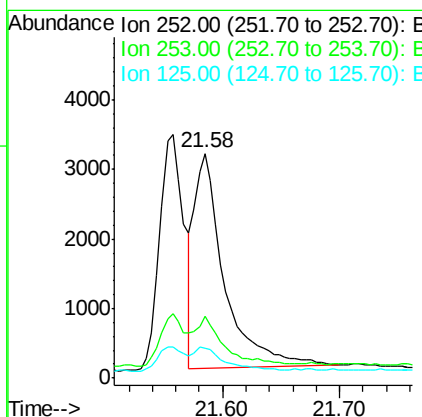
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#26
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 21.58 min Scan# 2771
Delta R.T. 0.01 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.1	27.1#
125	13.1	8.2	12.4#





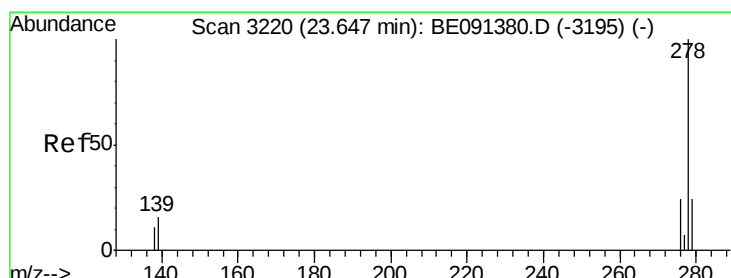
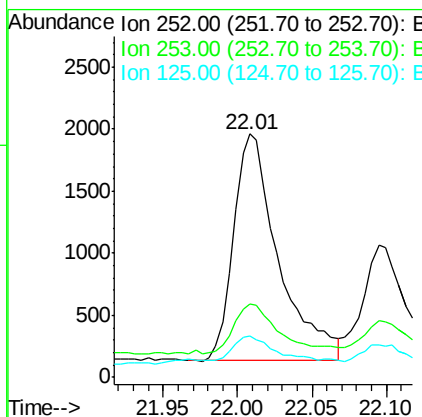
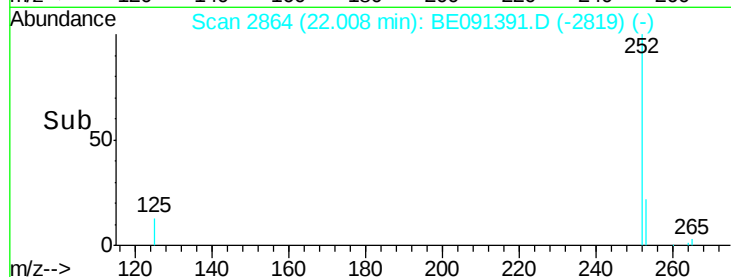
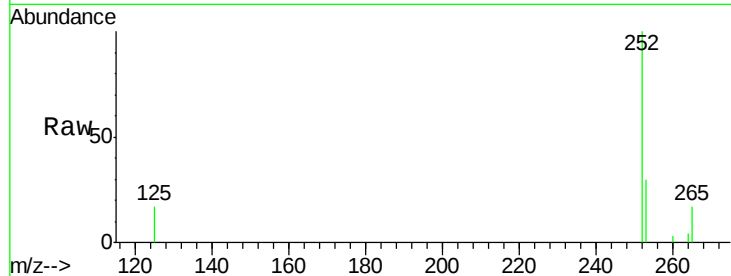
#27
Benzo(a)pyrene
Concen: 0.21 ng
RT: 22.01 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.5	26.3#
125	17.1	9.4	14.0#

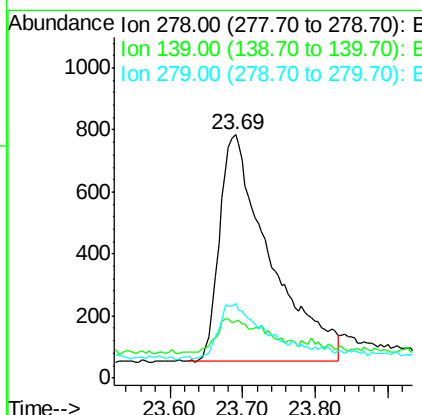
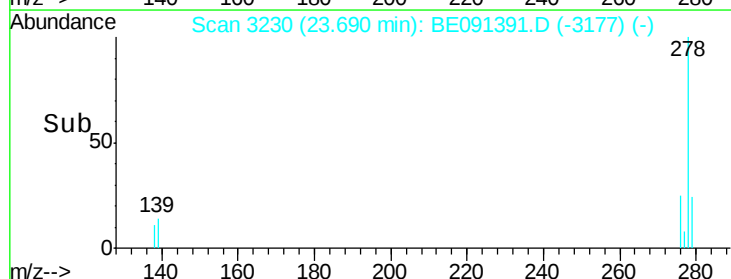
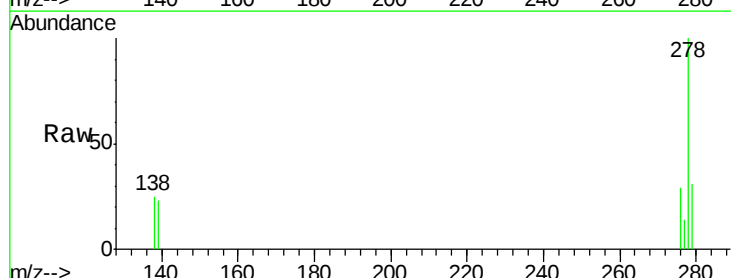
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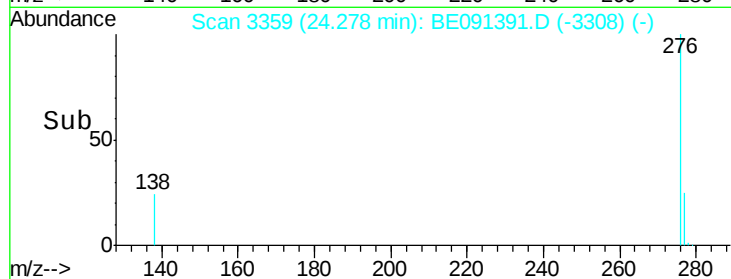
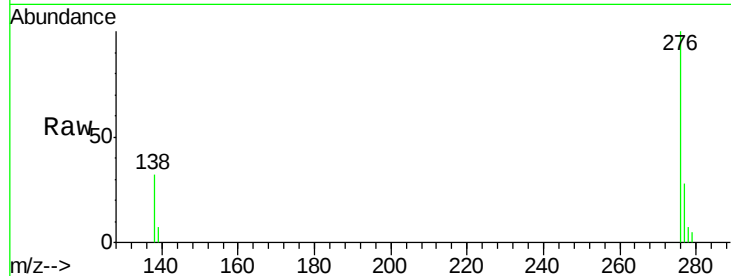
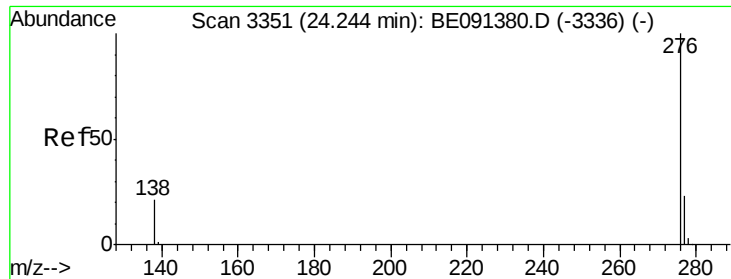
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#28
Dibenzo(a,h)anthracene
Concen: 0.29 ng
RT: 23.69 min Scan# 3230
Delta R.T. 0.04 min
Lab File: BE091391.D
Acq: 4 Feb 2016 12:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	13.0	19.4#
279	30.7	19.2	28.8#





#29

Benzo(a,h,i)perylene

Concen: 0.19 ng

RT: 24.28 min Scan# 3359

Delta R.T. 0.03 min

Lab File: BE091391.D

Acq: 4 Feb 2016 12:14

Instrument :

BNA_E

ClientSampleId :

LOD-WATER2016-01

Tot Ion:	276	Resp:	4860
Ion Ratio	Lower	Upper	
276	100		
277	27.7	18.9	28.3
138	31.6	17.0	25.6

Manual Integrations
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