

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
 Data File : BE092421.D
 Acq On : 23 Sep 2016 18:35
 Operator : UM/SJ
 Sample : H4818-05
 Misc : LOD
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-WATER2016-05-QT4

Manual Integrations
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Quant Time: Sep 23 19:19:27 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8067	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	31987	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	21129	5.00	ng	0.02
18) Phenanthrene-d10	17.58	188	44336	5.00	ng	0.02
24) Chrysene-d12	21.75	240	56288	5.00	ng	0.00
31) Perylene-d12	24.12	264	57528	5.00	ng	0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	16402	8.61	ng	-0.02
5) Phenol-d6	7.33	99	20098	7.41	ng	-0.02
8) Nitrobenzene-d5	9.36	82	7799	3.44	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	3920	5.29	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	21496	4.30	ng	0.00
26) Terphenyl-d14	20.19	244	29462	4.22	ng	0.02
Target Compounds						
2) 1,4-Dioxane	3.40	88	5	Below Cal	#	19
11) 2-Methylnaphthalene	12.67	142	2	0.00 ng	#	59
21) Phenanthrene	17.58	178	50	0.00 ng	#	6
23) Fluoranthene	19.66	202	773	0.02 ng	#	94
25) Pyrene	20.02	202	67	0.00 ng	#	66
27) Benzo(a)anthracene	21.75	228	793m	0.01 ng		
28) Chrysene	21.79	228	433m	0.01 ng		
29) Bis(2-ethylhexyl)phthalate	21.66	149	153	0.03 ng	#	79
32) Benzo(b)fluoranthene	23.40	252	42	0.00 ng	#	1
34) Benzo(a)pyrene	24.02	252	19	0.00 ng	#	1

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

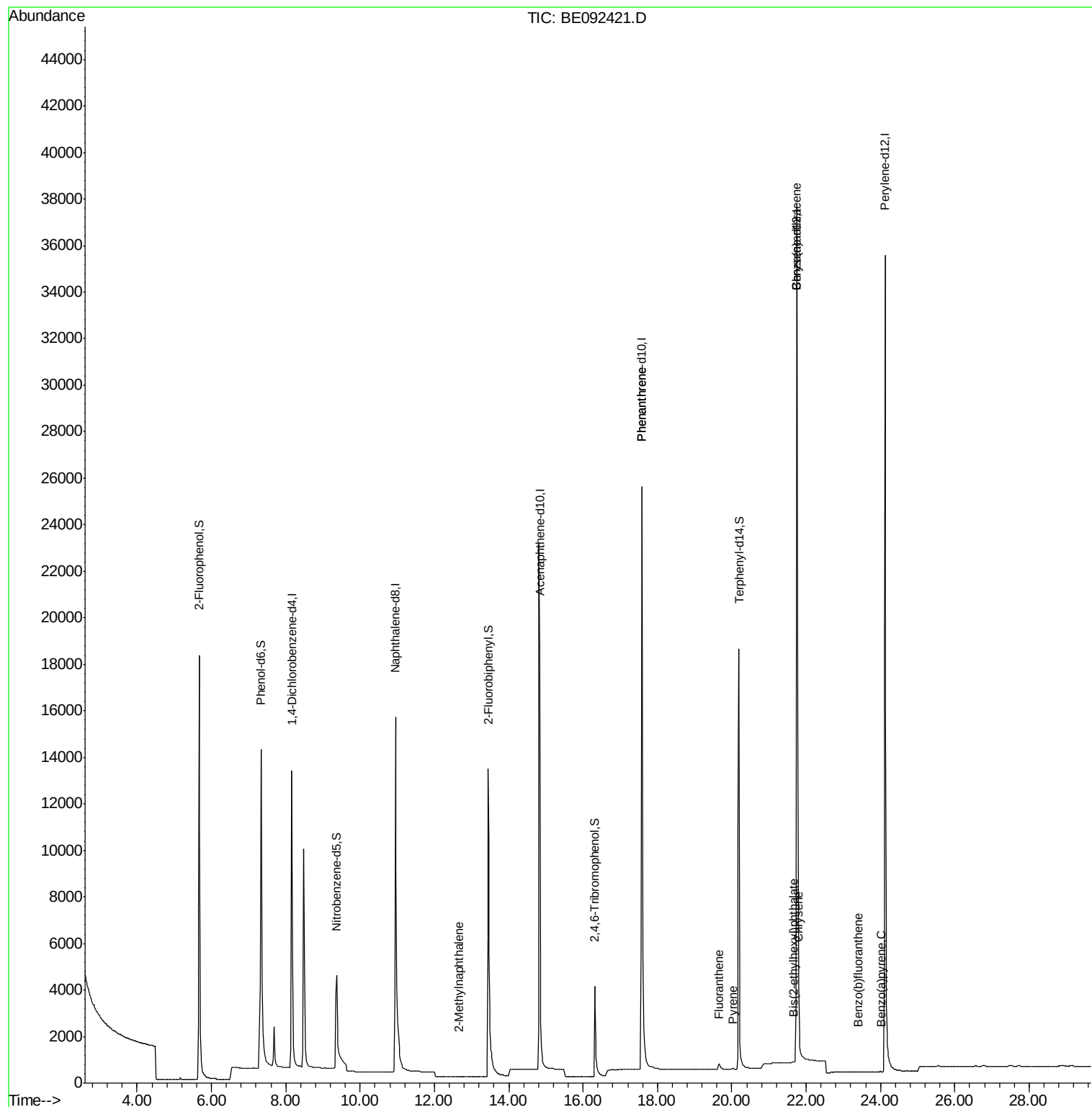
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
Data File : BE092421.D
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Operator : UM/SJ
Sample : H4818-05
Misc : LOD
ALS Vial : 27 Sample Multiplier: 1

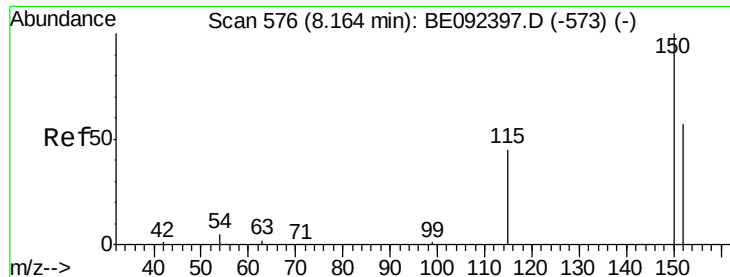
Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-05-QT4

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Quant Time: Sep 23 19:19:27 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Instrument :

BNA_E

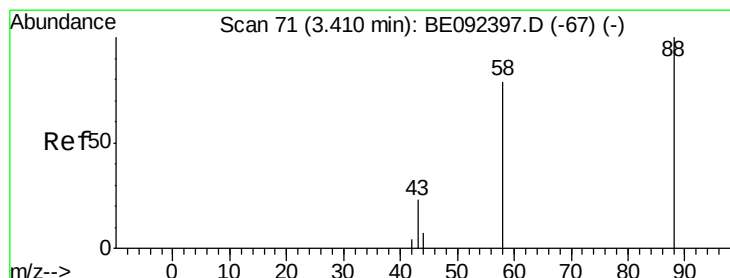
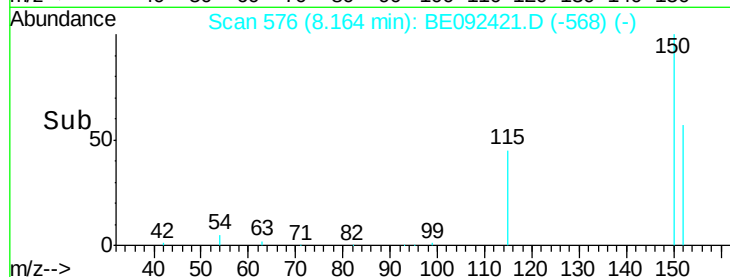
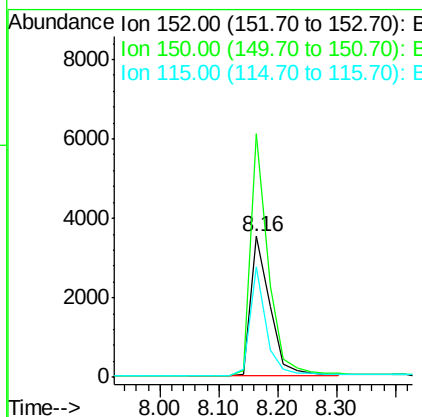
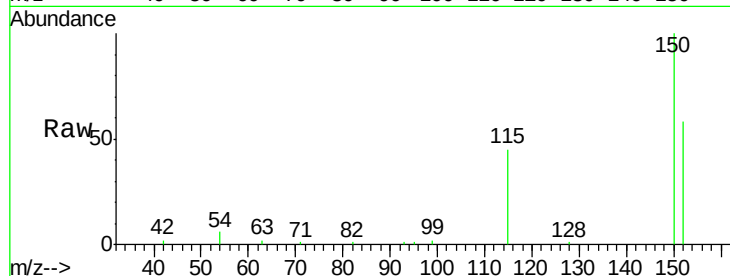
ClientSampleId :

LOD-WATER2016-05-QT4

Tot Ion	Ratio	Lower	Upper
152	100		
150	173.1	106.0	159.0#
115	78.1	31.2	46.8#

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#2

1,4-Dioxane

Concen: Below Cal

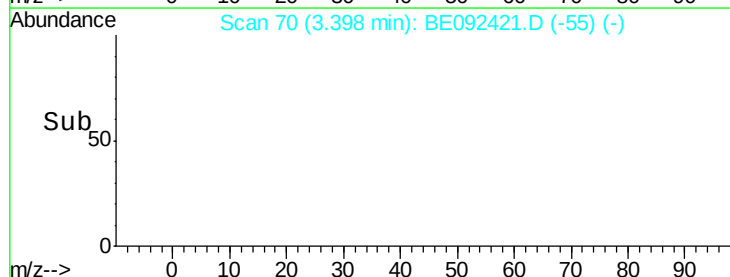
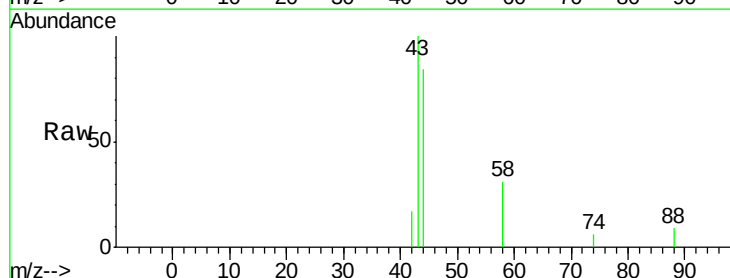
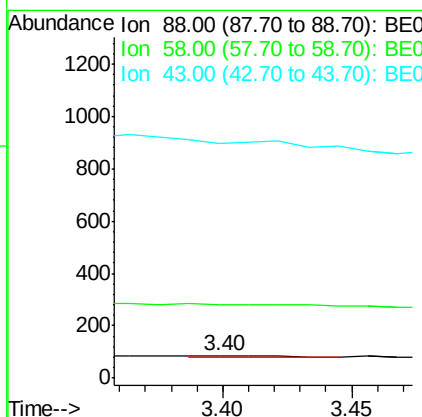
RT: 3.40 min Scan# 70

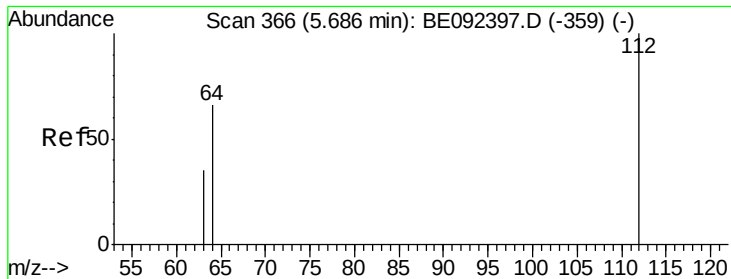
Delta R.T. -0.02 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.6	95.4#
43	0.0	28.0	42.0#





#4

2-Fluorophenol

Concen: 8.61 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Instrument :

BNA_E

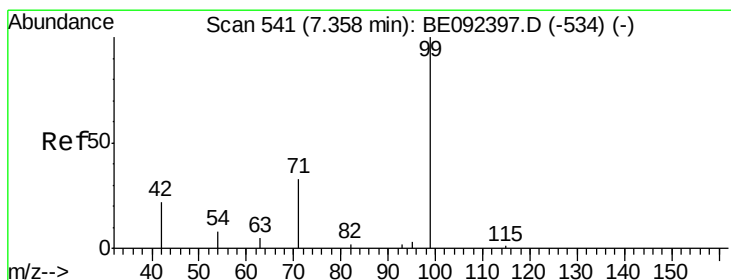
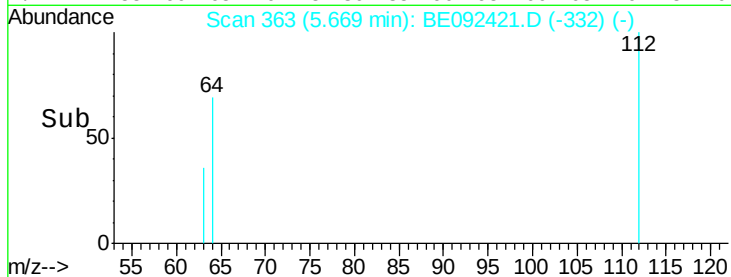
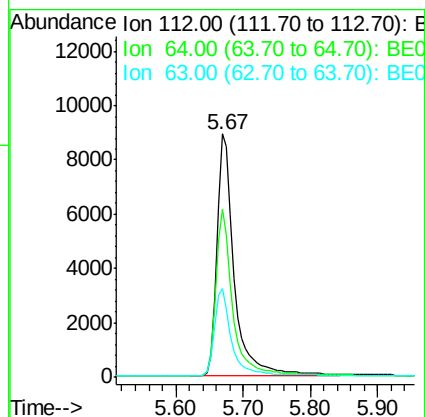
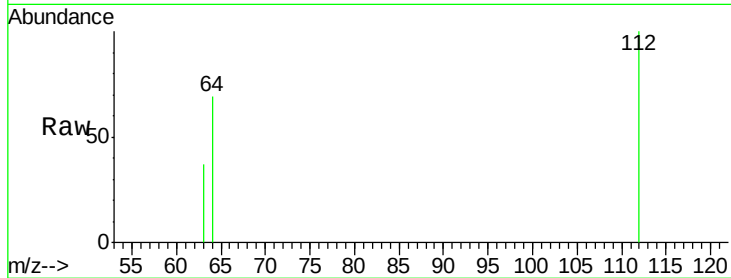
ClientSampleId :

LOD-WATER2016-05-QT4

Tot Ion:	112	Resp:	16402
Ion Ratio	Lower	Upper	
112	100		
64	67.2	53.5	80.3
63	35.8	27.9	41.9

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#5

Phenol-d6

Concen: 7.41 ng

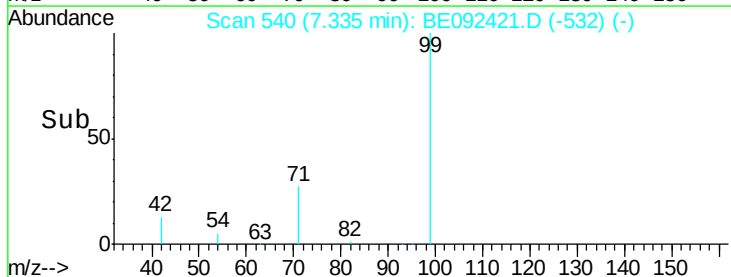
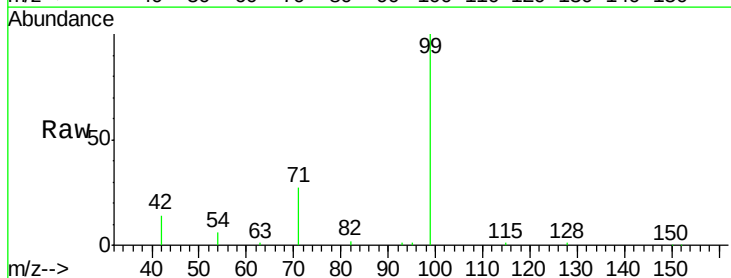
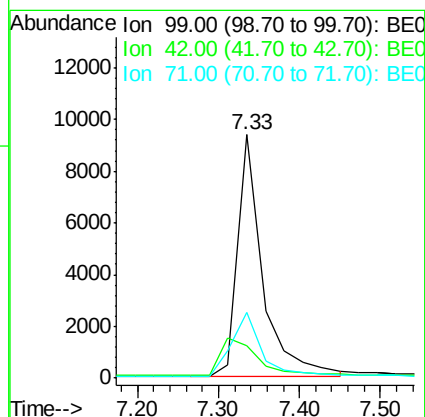
RT: 7.33 min Scan# 540

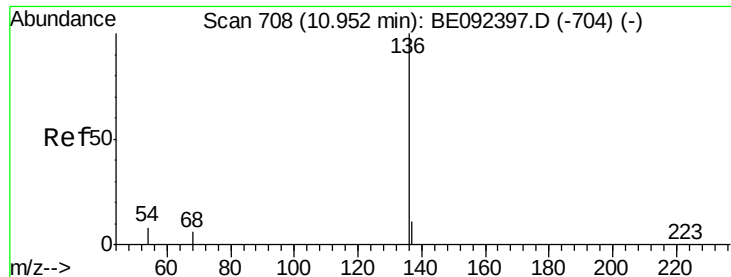
Delta R.T. -0.02 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Tgt Ion:	99	Resp:	20098
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	32.7	30.6	45.8





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Instrument :

BNA_E

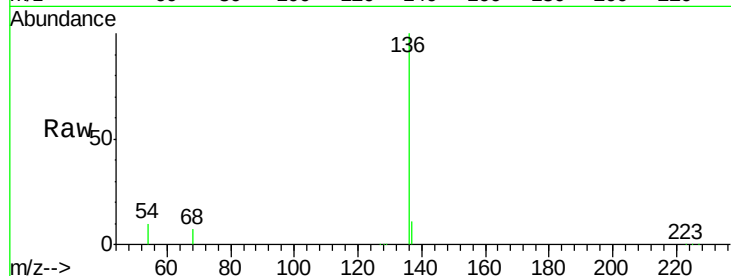
ClientSampleId :

LOD-WATER2016-05-QT4

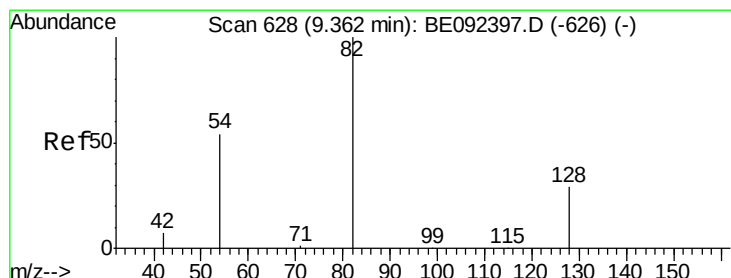
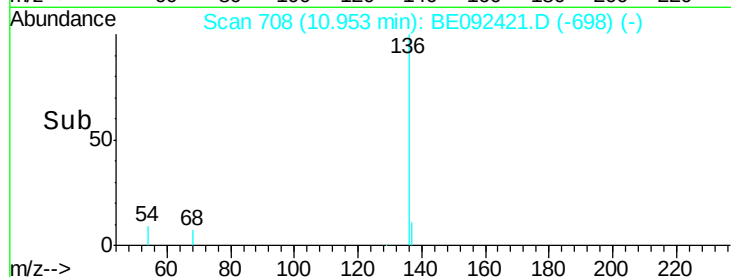
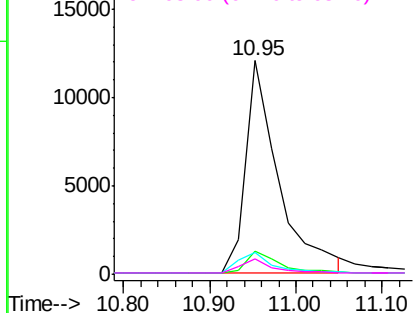
Tot Ion:	136	Resp:	31987
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.4
54	9.9	9.6	14.4
68	7.1	6.7	10.1

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 3.44 ng

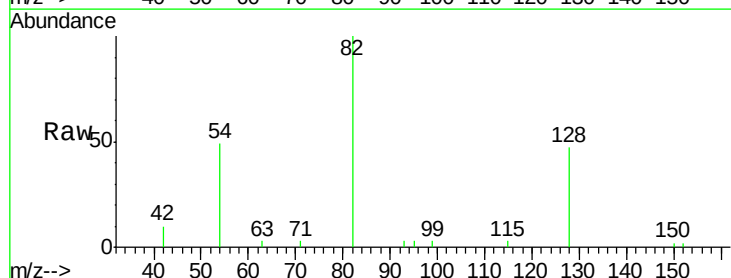
RT: 9.36 min Scan# 628

Delta R.T. -0.00 min

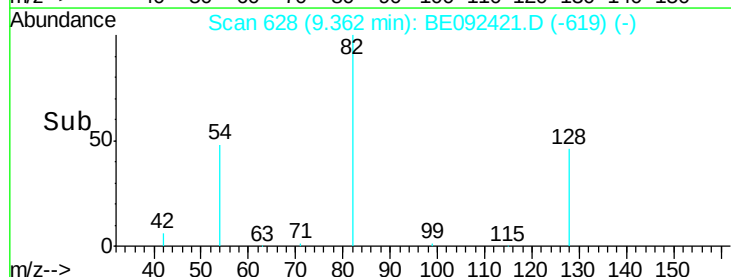
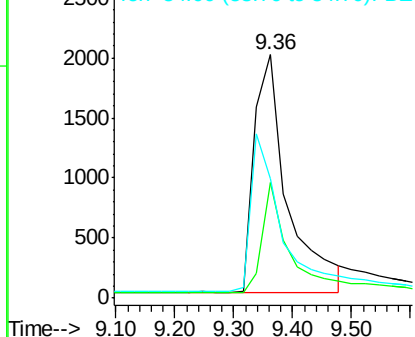
Lab File: BE092421.D

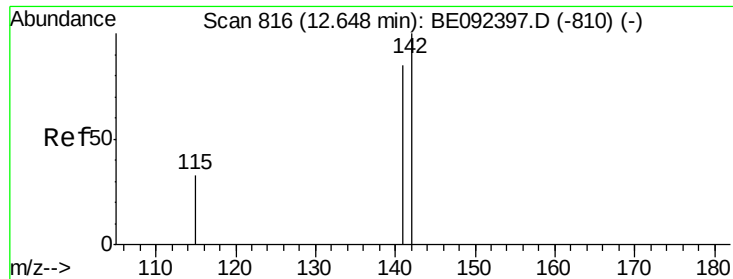
Acq: 23 Sep 2016 18:35

Tgt Ion:	82	Resp:	7799
Ion Ratio	Lower	Upper	
82	100		
128	47.3	39.0	58.4
54	49.1	44.8	67.2



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





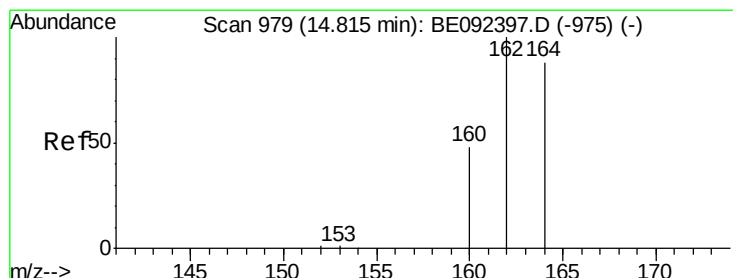
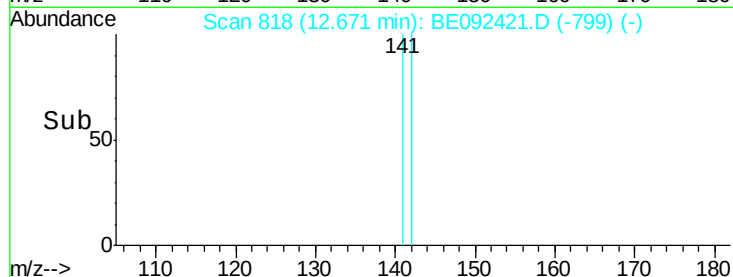
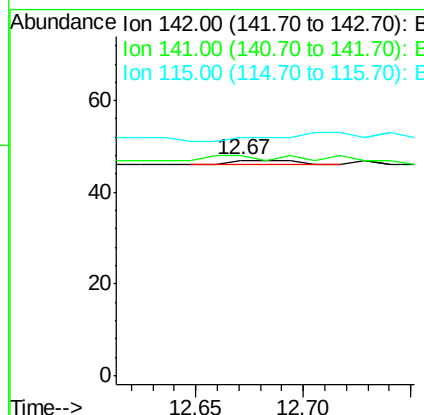
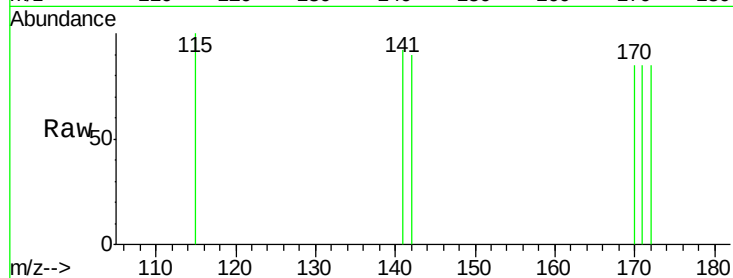
#11
2-Methylnaphthalene
Concen: 0.00 ng
RT: 12.67 min Scan# 818
Delta R.T. 0.02 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-05-QT4

Tot Ion:142 Resp: 2
Ion Ratio Lower Upper
142 100
141 102.1 73.7 110.5
115 110.6 34.0 51.0#

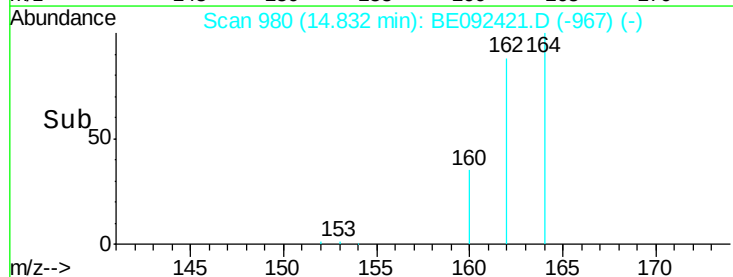
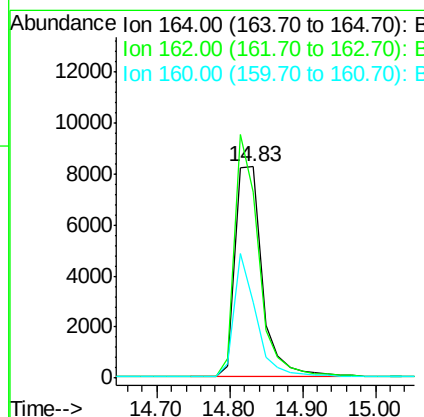
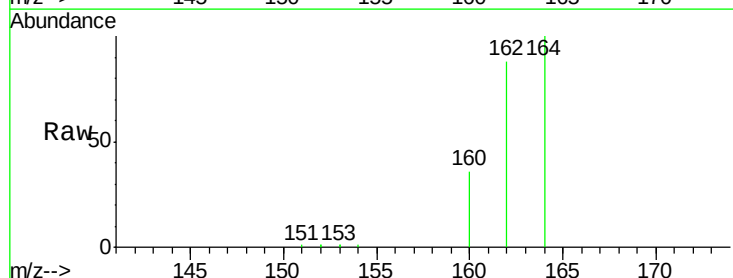
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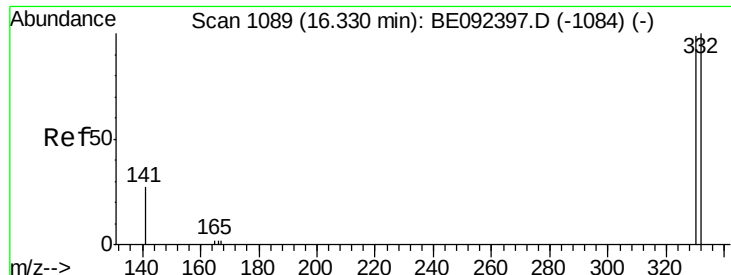
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 980
Delta R.T. 0.02 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Tgt Ion:164 Resp: 21129
Ion Ratio Lower Upper
164 100
162 88.4 71.4 107.0
160 35.8 27.4 41.2





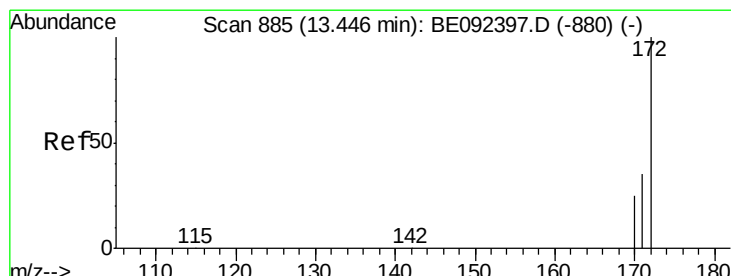
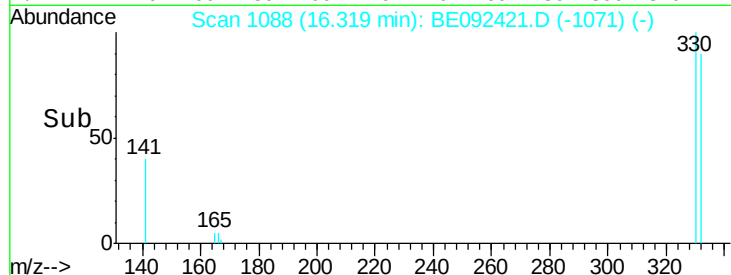
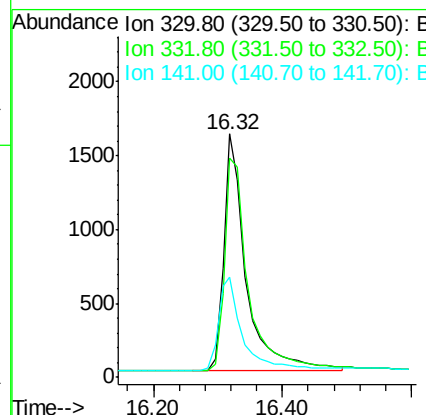
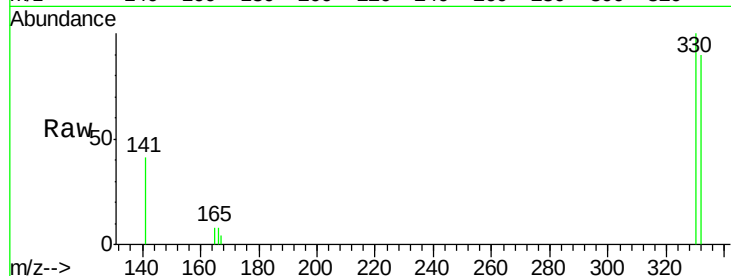
#13
 2,4,6-Tribromophenol
 Concen: 5.29 ng
 RT: 16.32 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BE092421.D
 Acq: 23 Sep 2016 18:35

Instrument :
 BNA_E
 ClientSampleId :
 LOD-WATER2016-05-QT4

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.4	113.0
141	42.5	31.0	46.6

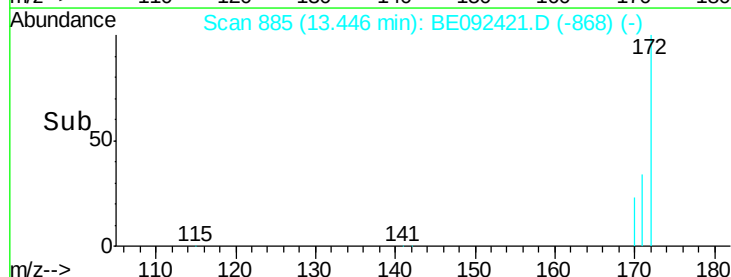
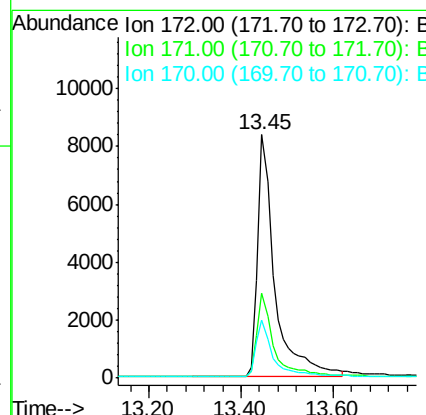
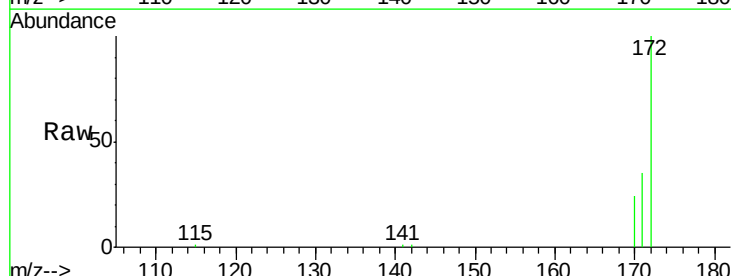
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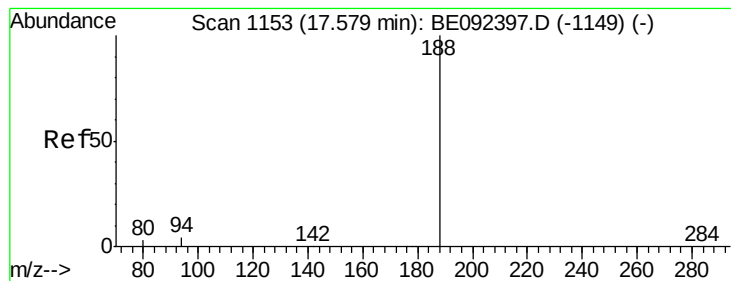
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#14
 2-Fluorobiphenyl
 Concen: 4.30 ng
 RT: 13.45 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BE092421.D
 Acq: 23 Sep 2016 18:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	30.1	45.1
170	23.7	21.8	32.6





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1153

Delta R.T. 0.02 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Instrument :

BNA_E

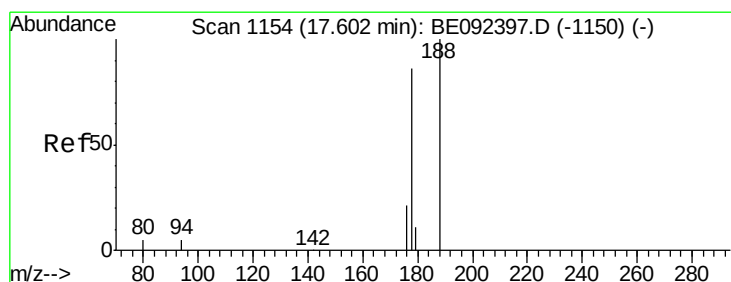
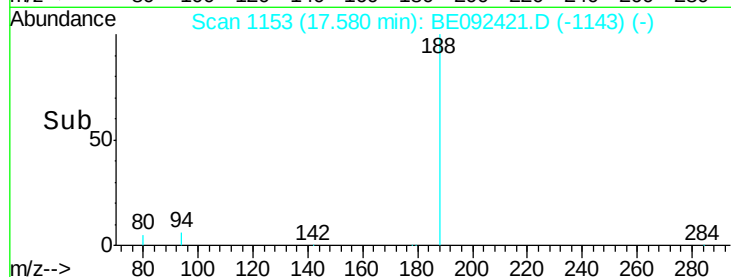
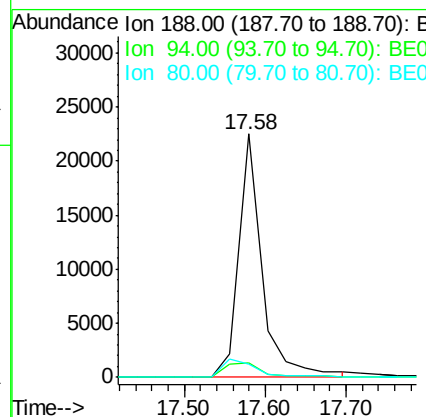
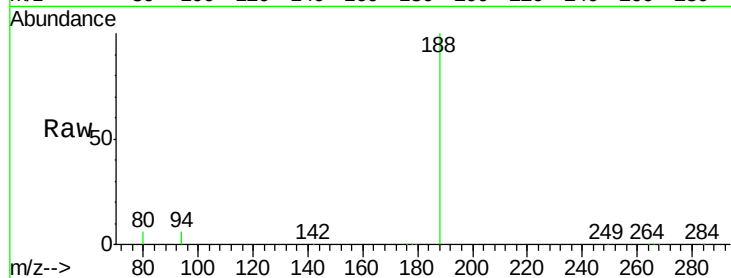
ClientSampleId :

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Tot Ion:	188	Resp:	44336
Ion Ratio	Lower	Upper	
188	100		
94	6.1	3.2	4.8#
80	5.7	2.6	3.8#

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#21

Phenanthrene

Concen: 0.00 ng

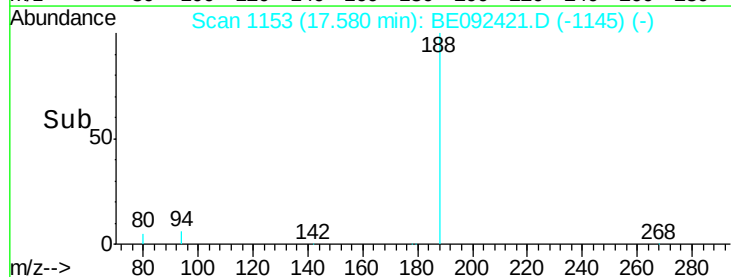
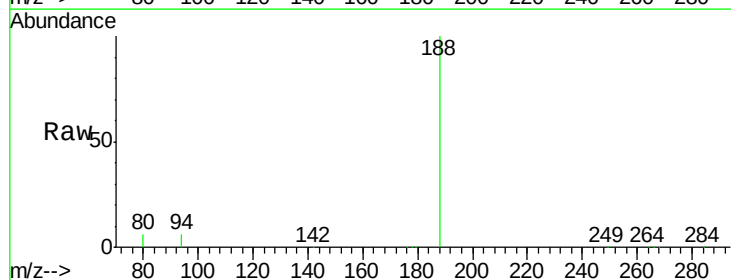
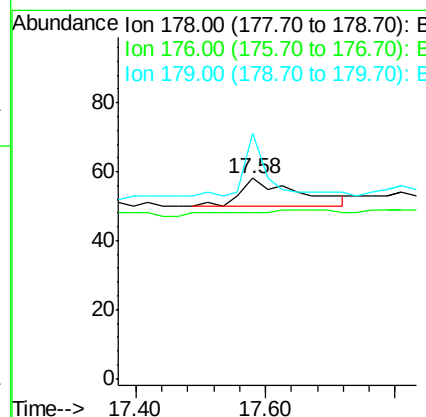
RT: 17.58 min Scan# 1153

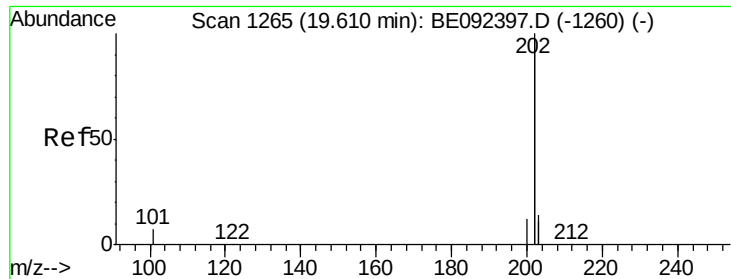
Delta R.T. -0.02 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Tgt Ion:	178	Resp:	50
Ion Ratio	Lower	Upper	
178	100		
176	0.0	15.8	23.8#
179	86.0	16.0	24.0#





#23

Fluoranthene

Concen: 0.02 ng

RT: 19.66 min Scan# 1268

Delta R.T. 0.05 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Instrument :

BNA_E

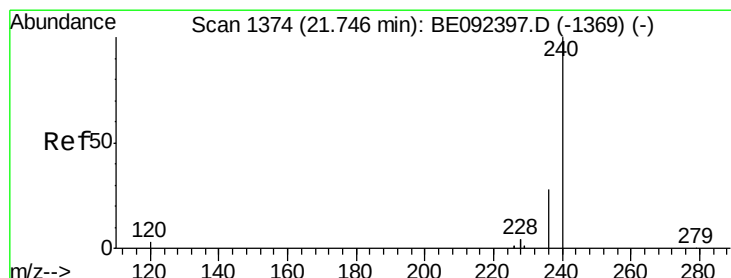
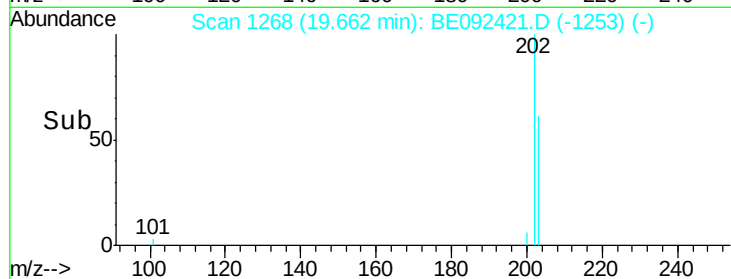
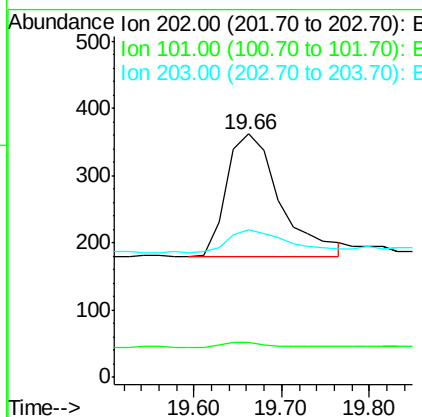
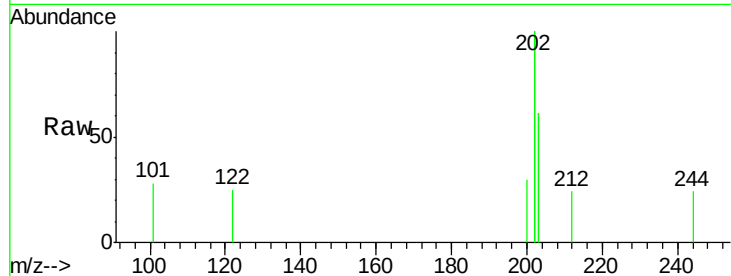
ClientSampleId :

LOD-WATER2016-05-QT4

Tot Ion	Ratio	Lower	Upper
202	100		
101	3.5	2.2	3.4#
203	19.8	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

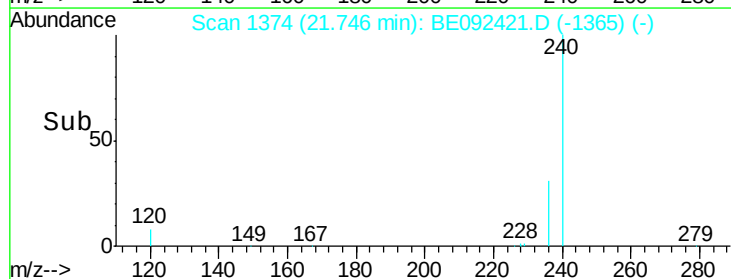
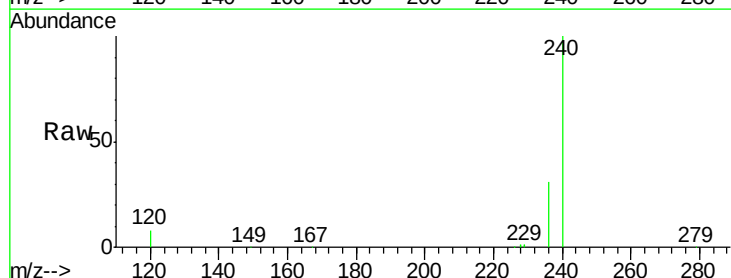
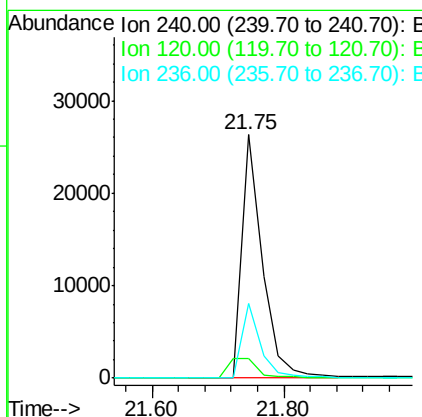
RT: 21.75 min Scan# 1374

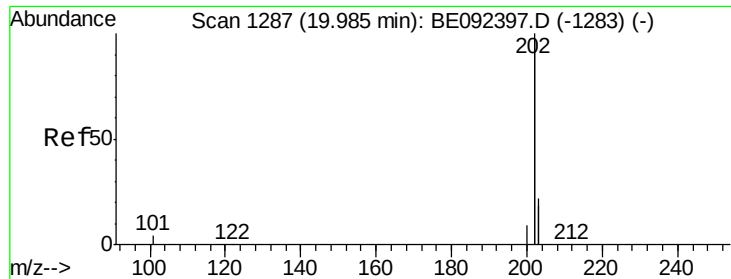
Delta R.T. -0.00 min

Lab File: BE092421.D

Acq: 23 Sep 2016 18:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.9	2.6	4.0#
236	30.9	24.6	37.0





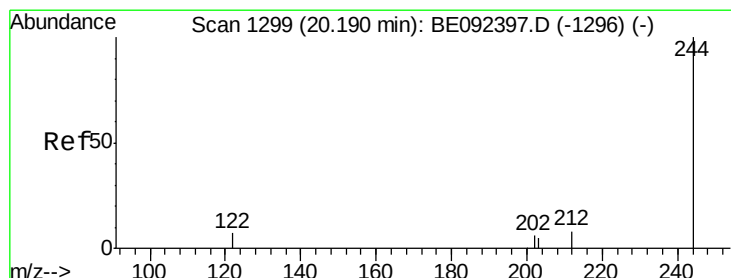
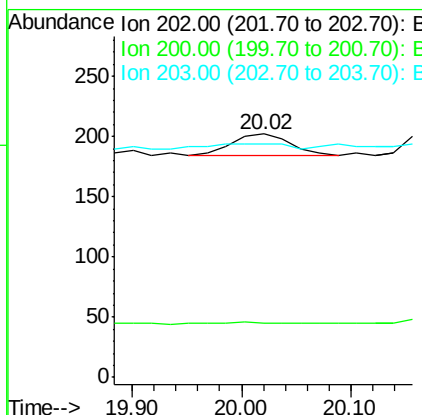
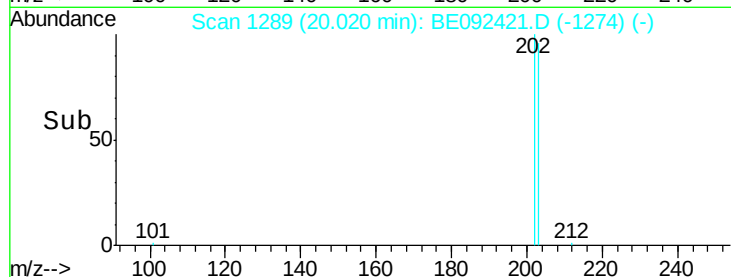
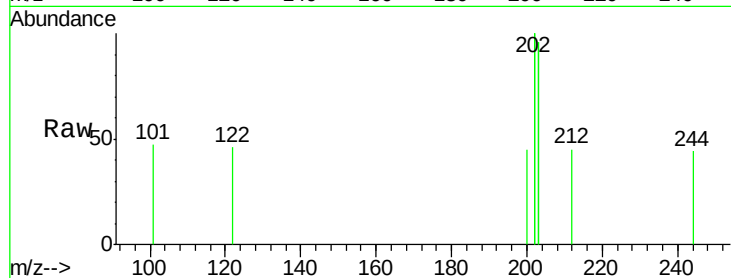
#25
Pvrene
Concen: 0.00 ng
RT: 20.02 min Scan# 1289
Delta R.T. 0.05 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-05-QT4

Tot Ion:202 Resp: 67
Ion Ratio Lower Upper
202 100
200 10.4 4.2 6.4#
203 0.0 13.9 20.9#

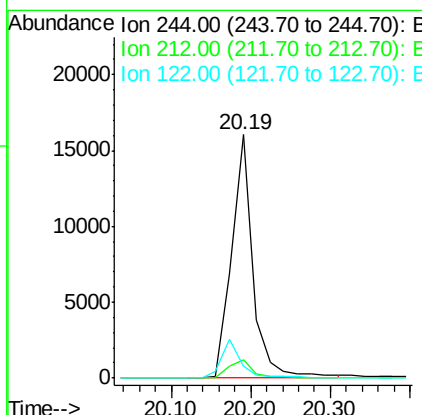
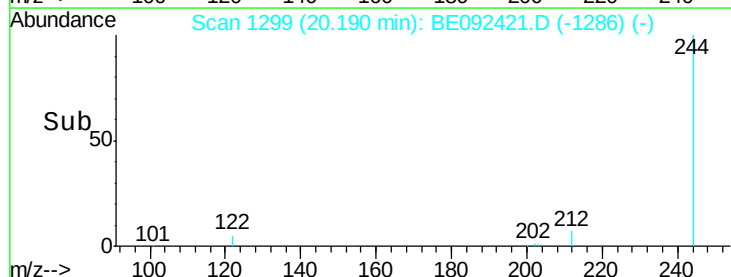
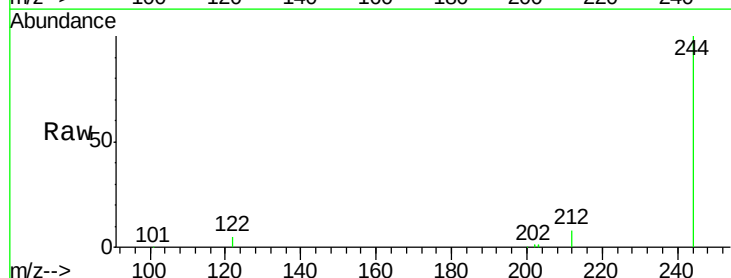
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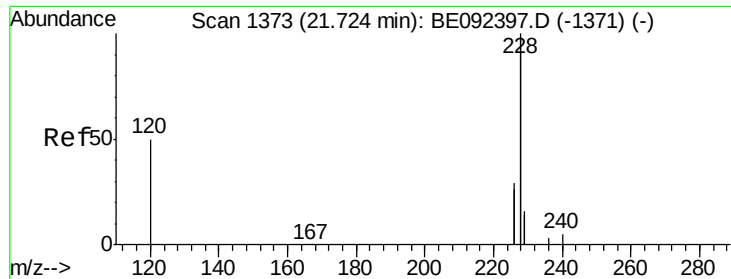
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#26
Terphenyl-d14
Concen: 4.22 ng
RT: 20.19 min Scan# 1299
Delta R.T. 0.02 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Tgt Ion:244 Resp: 29462
Ion Ratio Lower Upper
244 100
212 7.6 6.7 10.1
122 4.8 3.6 5.4





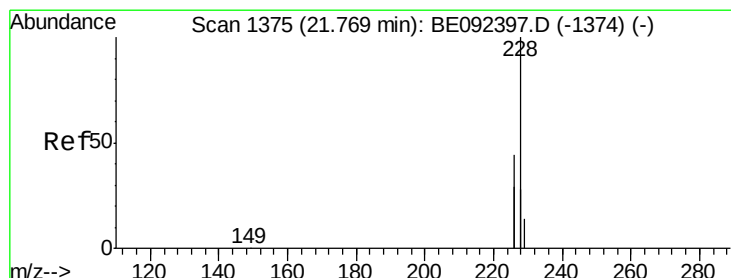
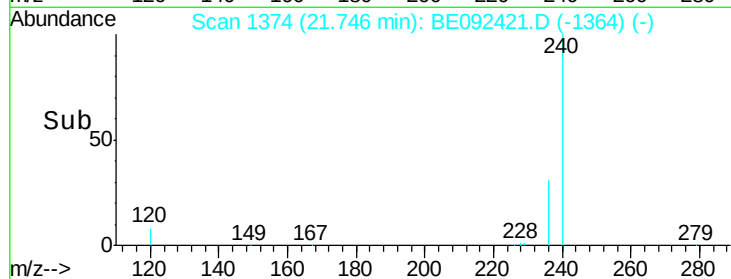
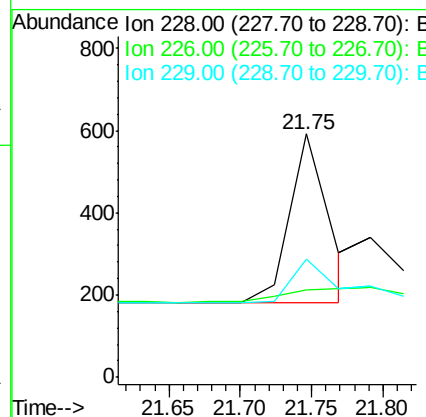
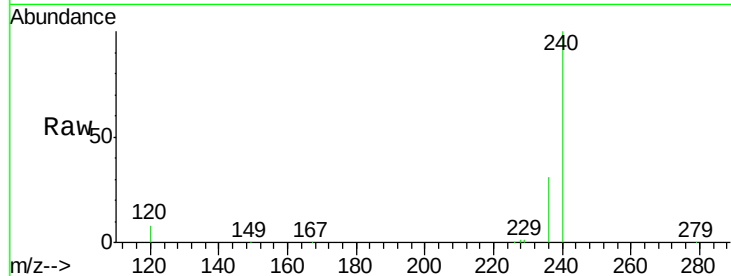
#27
Benzo(a)anthracene
Concen: 0.01 ng m
RT: 21.75 min Scan# 1374
Delta R.T. 0.02 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-05-QT4

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.1	23.6	35.4#
229	48.6	13.3	19.9#

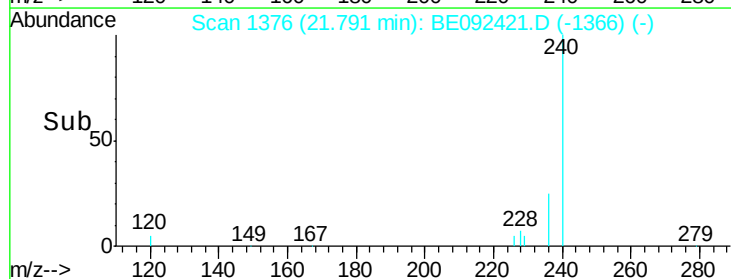
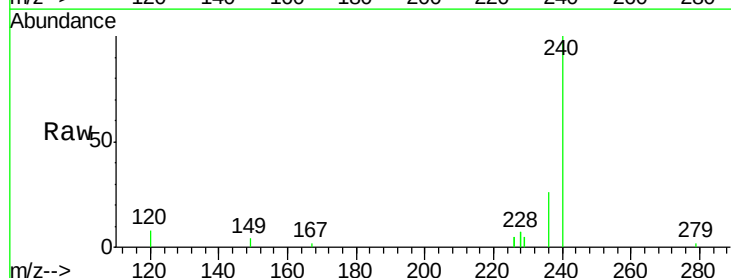
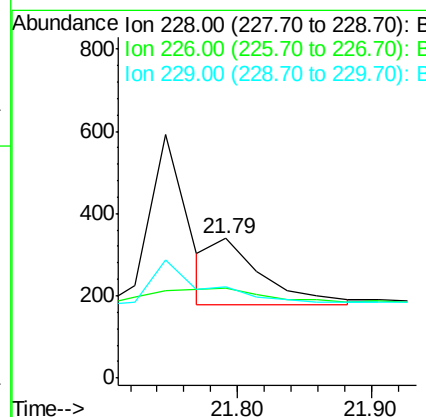
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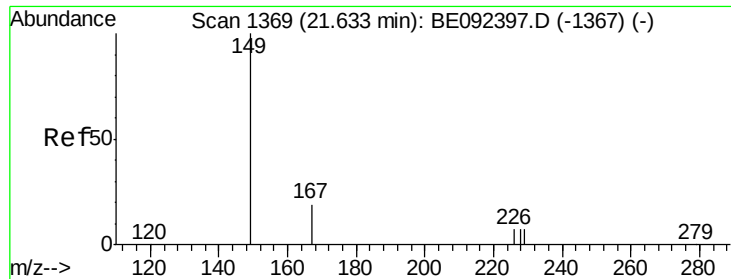
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#28
Chrysene
Concen: 0.01 ng m
RT: 21.79 min Scan# 1376
Delta R.T. 0.02 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	64.7	36.3	54.5#
229	65.3	10.6	16.0#





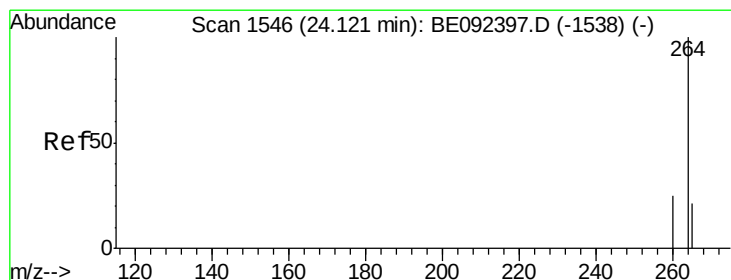
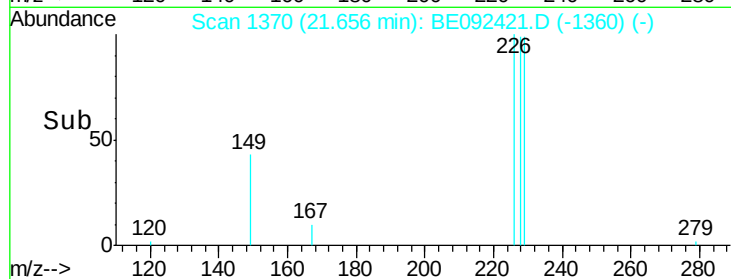
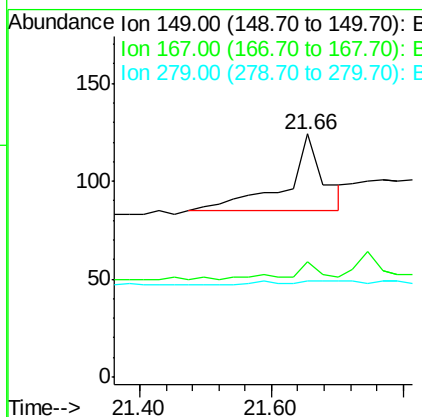
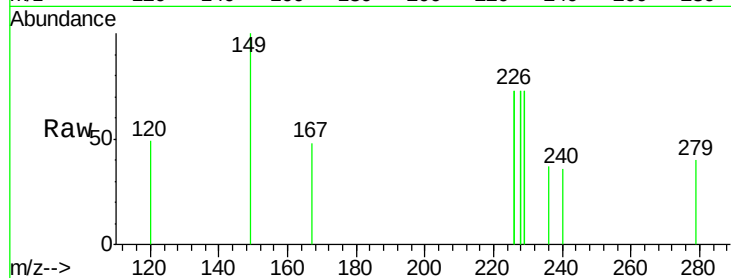
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.03 ng
 RT: 21.66 min Scan# 1370
 Delta R.T. 0.02 min
 Lab File: BE092421.D
 Acq: 23 Sep 2016 18:35

Instrument :
 BNA_E
 ClientSampleId :
 LOD-WATER2016-05-QT4

Tot Ion	Ratio	Lower	Upper
149	100		
167	17.0	16.0	24.0
279	3.3	16.0	24.0

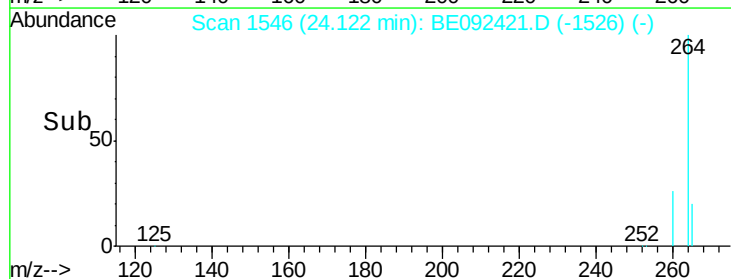
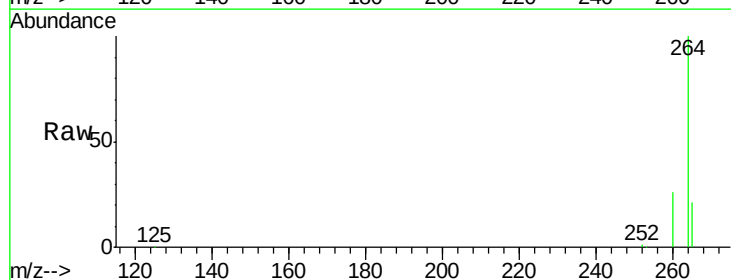
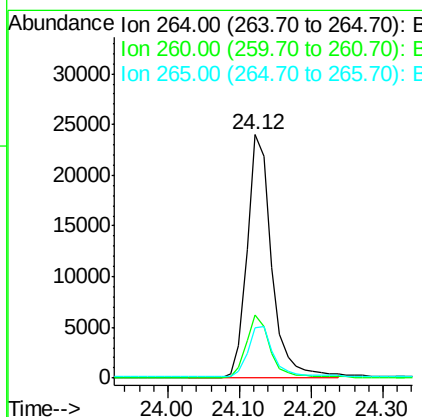
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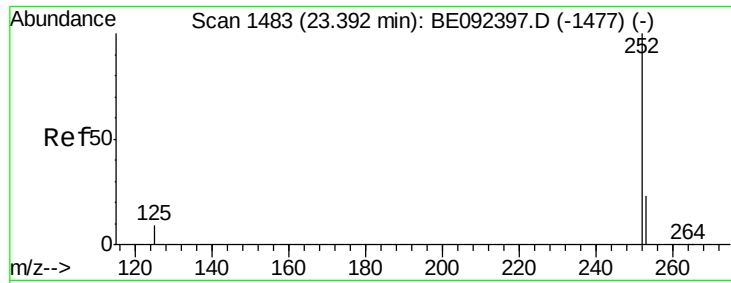
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#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1546
 Delta R.T. 0.03 min
 Lab File: BE092421.D
 Acq: 23 Sep 2016 18:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.1	30.1
265	20.7	17.9	26.9





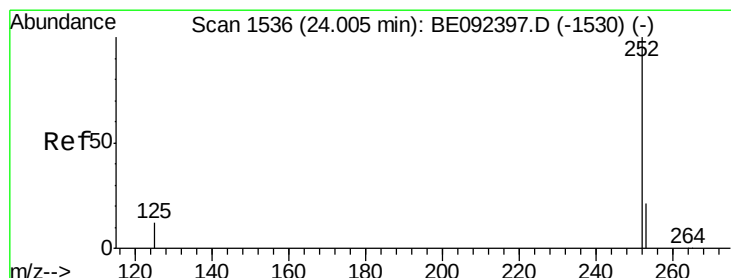
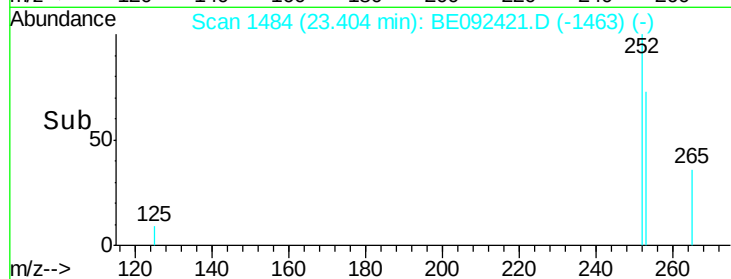
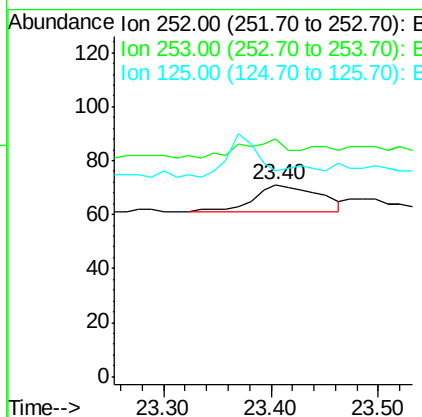
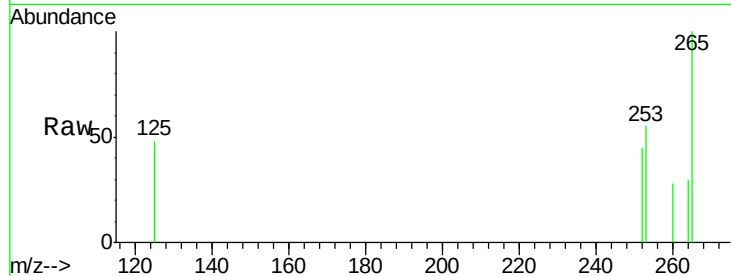
#32
Benzo(b)fluoranthene
Concen: 0.00 ng
RT: 23.40 min Scan# 1484
Delta R.T. 0.05 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Instrument :
BNA_E
ClientSampleId :
LOD-WATER2016-05-QT4

Tot Ion	Ratio	Lower	Upper
252	100		
253	123.9	18.7	28.1#
125	107.0	10.5	15.7#

Manual Integrations
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#34
Benzo(a)pyrene
Concen: 0.00 ng
RT: 24.02 min Scan# 1537
Delta R.T. 0.03 min
Lab File: BE092421.D
Acq: 23 Sep 2016 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	125.7	19.0	28.6#
125	120.0	11.8	17.8#

