

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092616\
 Data File : BE092428.D
 Acq On : 26 Sep 2016 16:18
 Operator : UM/SJ
 Sample : H4818-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Sep 26 16:53:17 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	11471	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	47231	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	29373	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	52579	5.00	ng	0.02
24) Chrysene-d12	21.75	240	61424	5.00	ng	0.00
31) Perylene-d12	24.12	264	63682	5.00	ng	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	17309	6.42	ng	-0.02
5) Phenol-d6	7.33	99	21278	5.54	ng	-0.02
8) Nitrobenzene-d5	9.34	82	9053	2.73	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	3743	3.68	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	22767	3.27	ng	0.00
26) Terphenyl-d14	20.19	244	23724	3.11	ng	0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	121	Below Cal	#	1
3) n-Nitrosodimethylamine	3.81	42	29	0.21 ng	#	2
6) bis(2-Chloroethyl)ether	7.59	93	184	0.15 ng	#	72
9) Naphthalene	11.01	128	833	0.08 ng	#	74
10) Hexachlorobutadiene	11.30	225	136	0.08 ng		95
11) 2-Methylnaphthalene	12.66	142	450	0.07 ng	#	92
15) Acenaphthylene	14.54	152	3217	0.08 ng		100
16) Acenaphthene	14.88	154	509	0.08 ng		88
17) Fluorene	15.88	166	578	0.07 ng		98
19) Hexachlorobenzene	16.89	284	188	0.08 ng		96
20) Pentachlorophenol	17.33	266	28	0.21 ng	#	75
21) Phenanthrene	17.63	178	1023	0.08 ng		99
22) Anthracene	17.74	178	730	0.06 ng		98
23) Fluoranthene	19.63	202	3862	0.07 ng		98
25) Pyrene	19.99	202	3981	0.07 ng		99
27) Benzo(a)anthracene	21.72	228	4901m	0.08 ng		
28) Chrysene	21.79	228	5637m	0.10 ng		
29) Bis(2-ethylhexyl)phthalate	21.66	149	285	0.06 ng	#	77
30) Indeno(1,2,3-cd)pyrene	26.67	276	5932m	0.10 ng		
32) Benzo(b)fluoranthene	23.39	252	1220	0.08 ng	#	83
33) Benzo(k)fluoranthene	23.44	252	1305	0.08 ng	#	82
34) Benzo(a)pyrene	24.01	252	1176	0.08 ng	#	75
35) Dibenzo(a,h)anthracene	26.68	278	1004	0.07 ng	#	67
36) Benzo(g,h,i)perylene	27.42	276	5283	0.09 ng	#	79

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

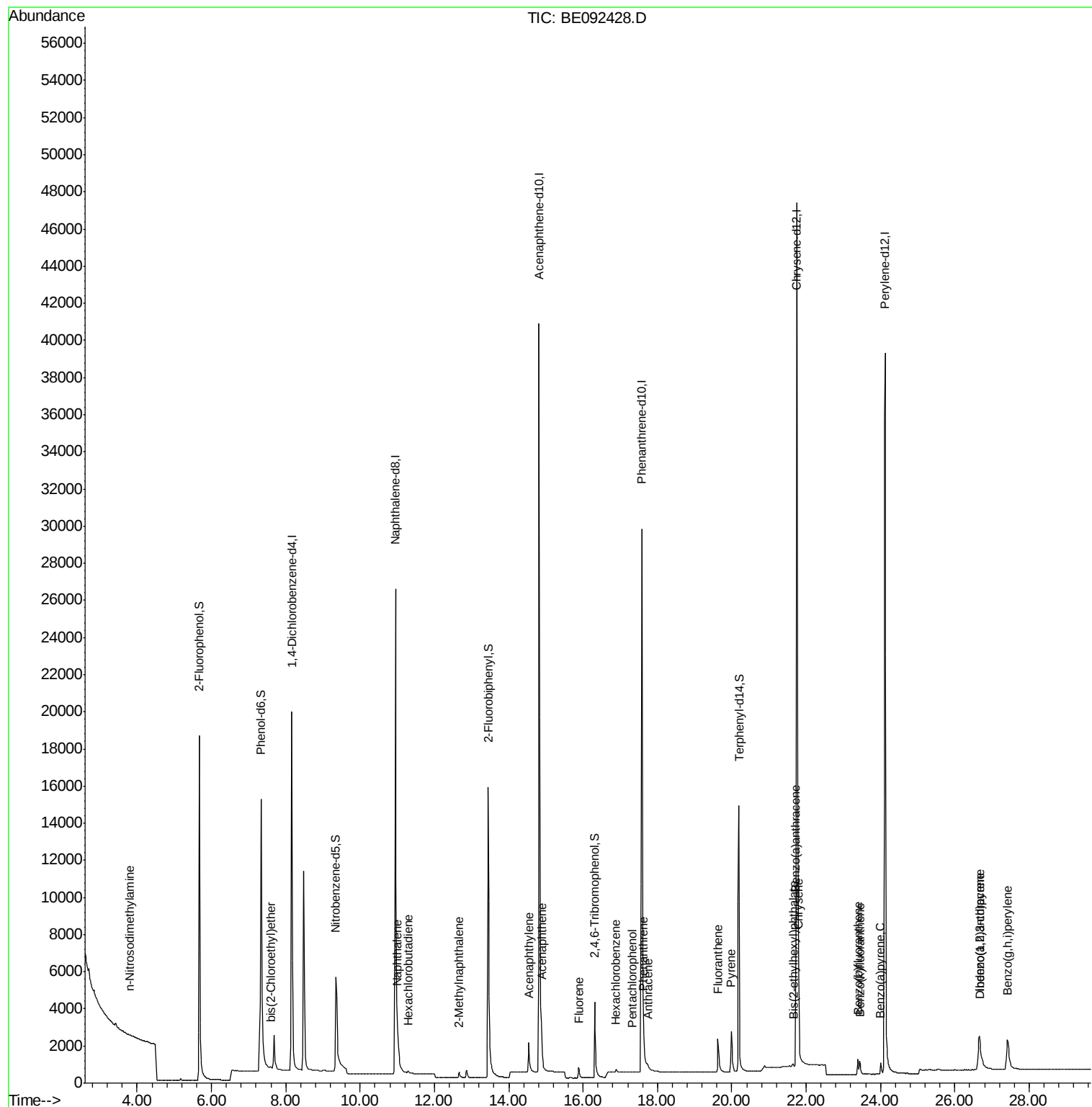
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092616\
Data File : BE092428.D
Acq On : 26 Sep 2016 16:18
Operator : UM/SJ
Sample : H4818-05
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Instrument :
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LOD-WATER2016-05-QT4

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Quant Time: Sep 26 16:53:17 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: BE092428.D

Acq: 26 Sep 2016 16:18

Instrument :

BNA_E

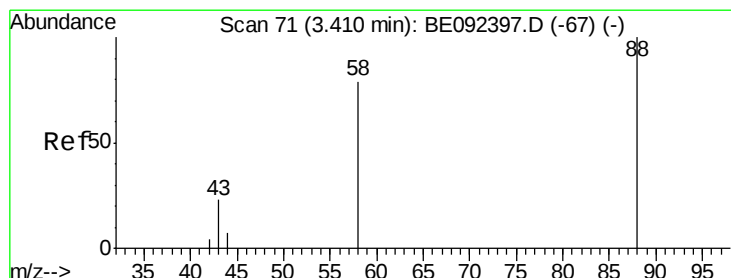
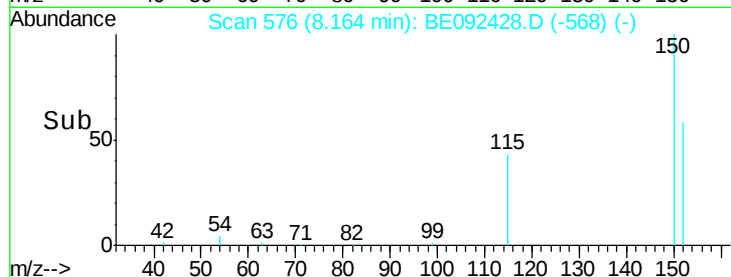
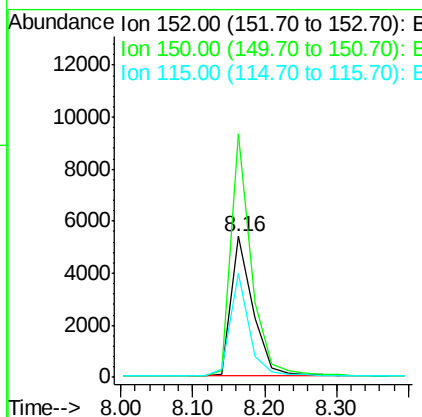
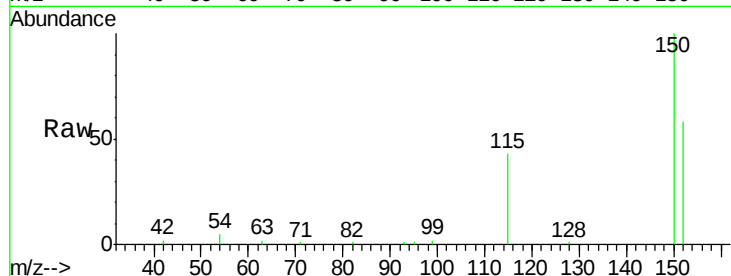
ClientSampleId :

LOD-WATER2016-05-QT4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	173.2	106.0	159.0#
115	74.5	31.2	46.8#

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#2

1,4-Dioxane

Concen: Below Cal

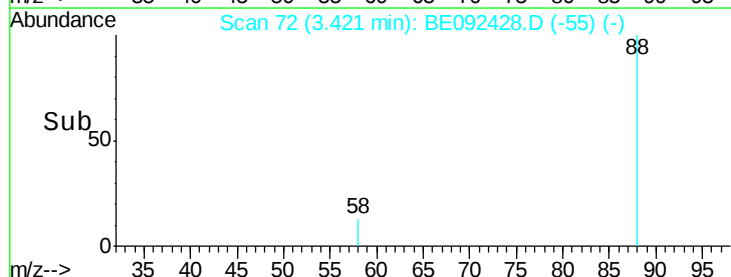
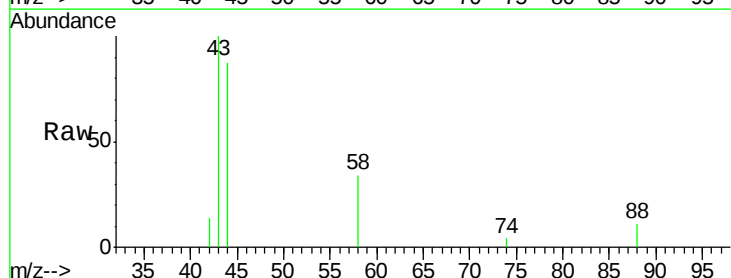
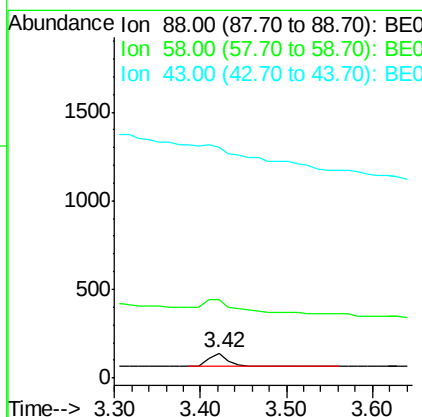
RT: 3.42 min Scan# 72

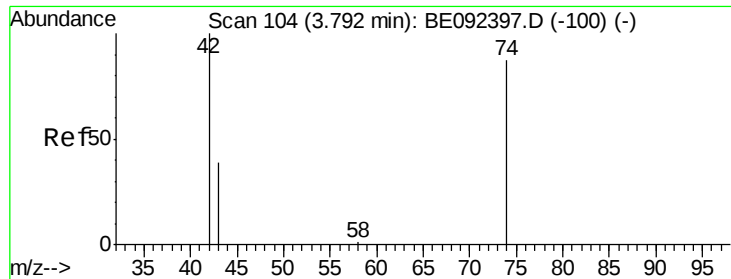
Delta R.T. 0.00 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	212.4	63.6	95.4#
43	0.0	28.0	42.0#





#3

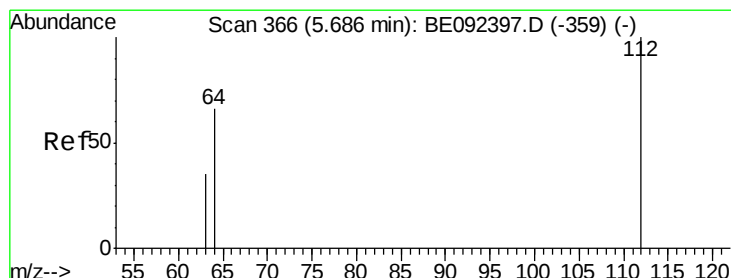
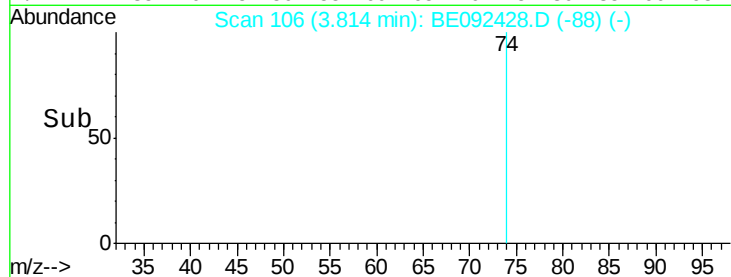
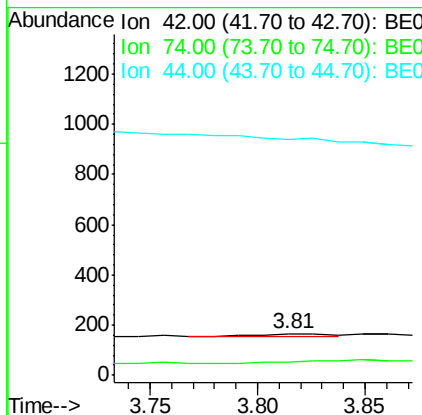
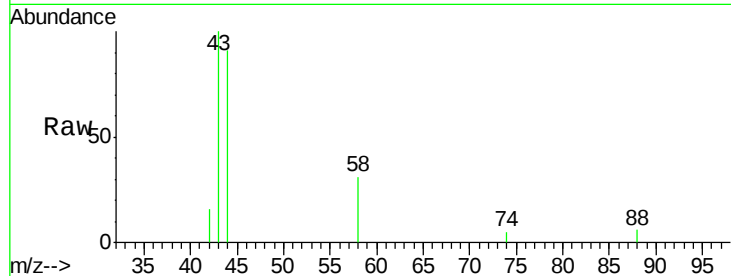
n-Nitrosodimethylamine
 Concen: 0.21 ng
 RT: 3.81 min Scan# 106
 Delta R.T. 0.01 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

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

Tgt Ion: 42 Resp: 29
 Ion Ratio Lower Upper
 42 100
 74 0.0 86.0 129.0#
 44 0.0 5.1 7.7#

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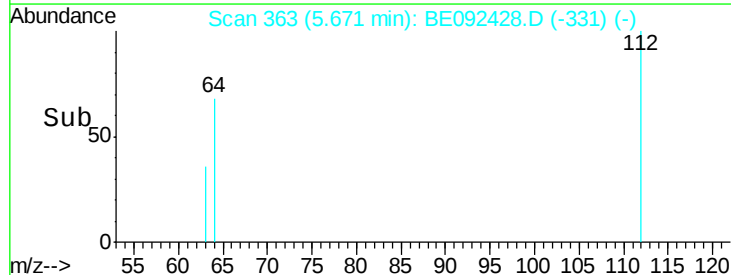
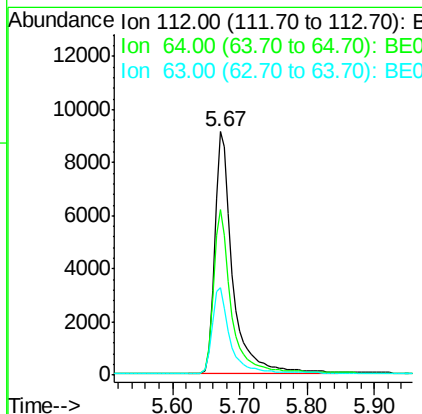
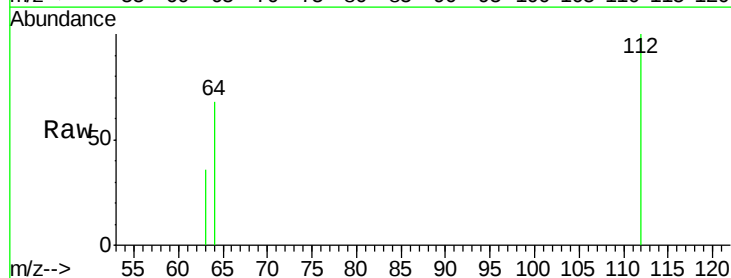
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#4

2-Fluorophenol
 Concen: 6.42 ng
 RT: 5.67 min Scan# 363
 Delta R.T. -0.02 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

Tgt Ion: 112 Resp: 17309
 Ion Ratio Lower Upper
 112 100
 64 67.1 53.5 80.3
 63 35.9 27.9 41.9





#5

Phenol-d6

Concen: 5.54 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Instrument :

BNA_E

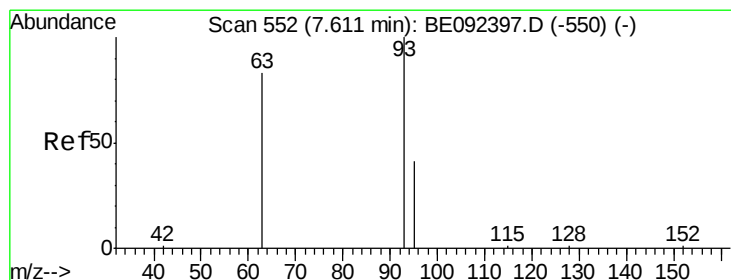
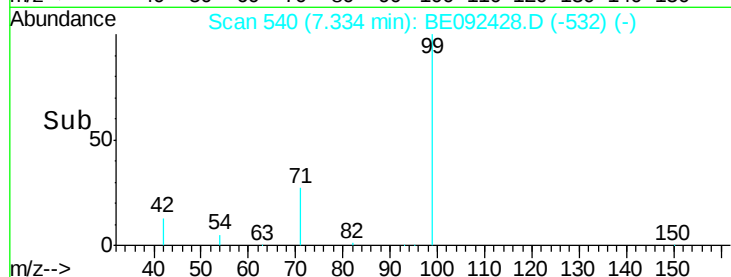
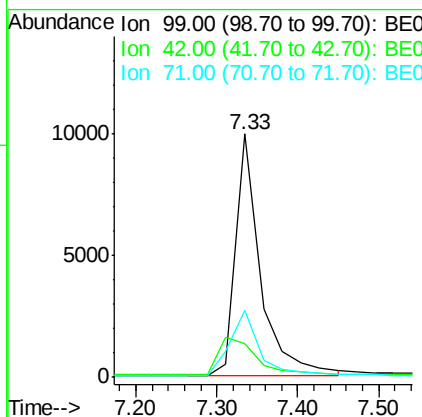
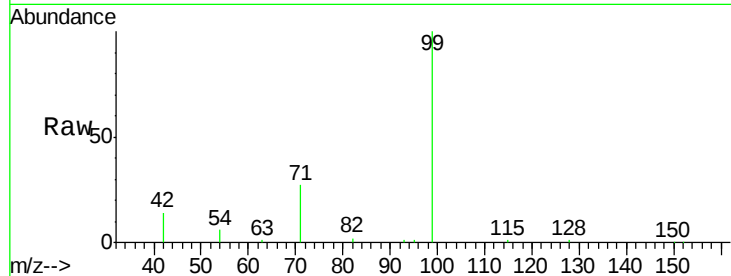
ClientSampleId :

LOD-WATER2016-05-QT4

Tgt Ion:	99	Resp:	21278
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	32.6	30.6	45.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.15 ng

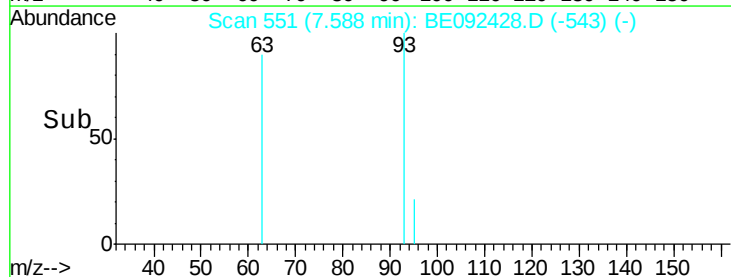
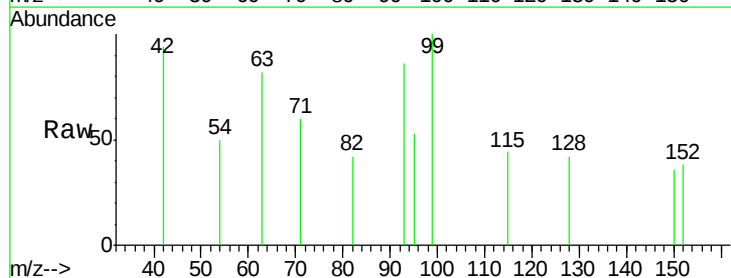
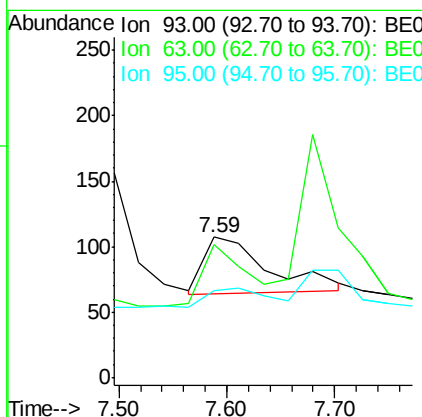
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Tgt Ion:	93	Resp:	184
Ion Ratio	Lower	Upper	
93	100		
63	71.2	71.6	107.4#
95	0.0	24.0	36.0#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Instrument :

BNA_E

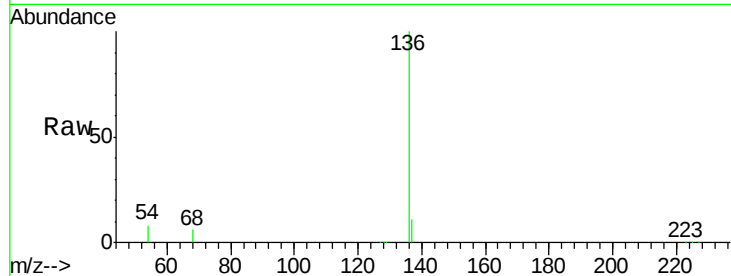
ClientSampleId :

LOD-WATER2016-05-QT4

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	47231		
137	10.9	8.2	12.4	
54	8.1	9.6	14.4	#
68	5.9	6.7	10.1	#

Manual Integrations
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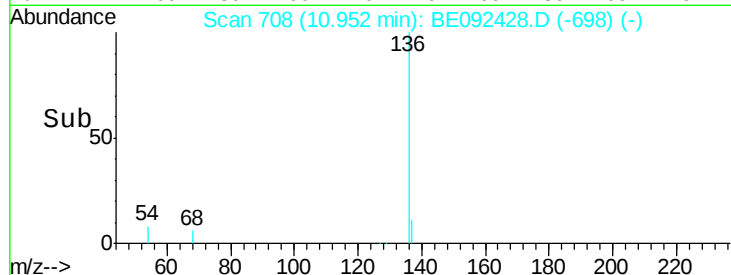
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

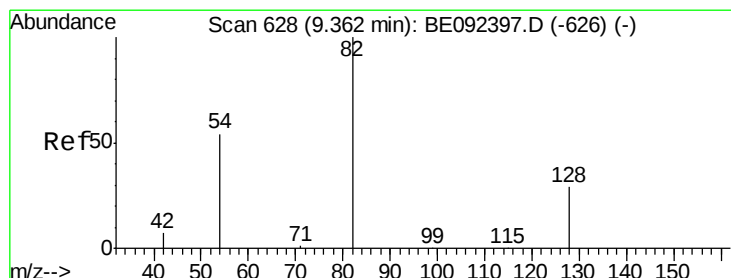
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 2.73 ng

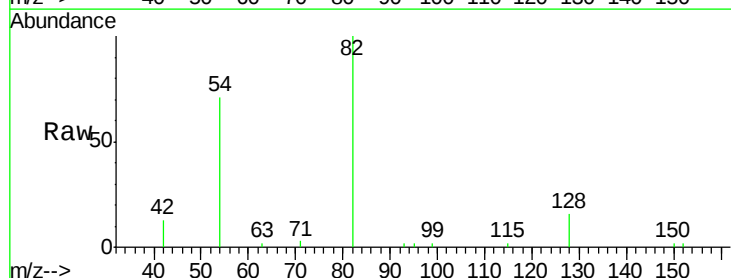
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	9053		
128	16.1	39.0	58.4	#
54	71.4	44.8	67.2	#

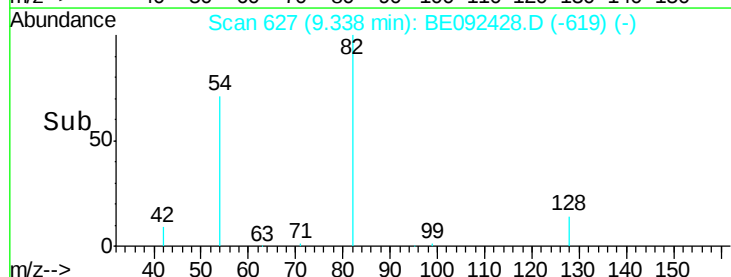


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 0.08 ng

RT: 11.01 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Instrument :

BNA_E

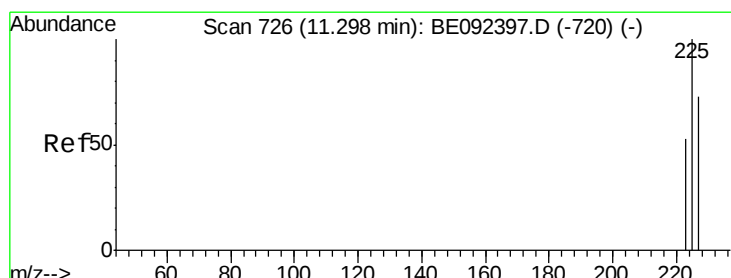
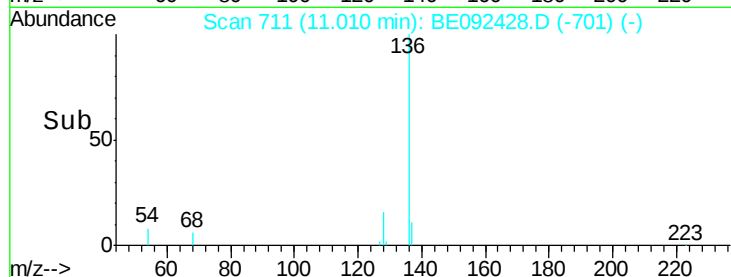
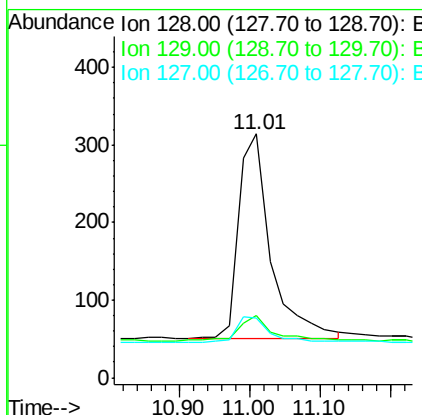
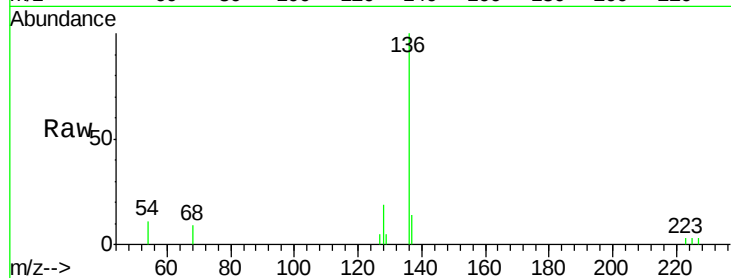
ClientSampleId :

LOD-WATER2016-05-QT4

Tgt Ion:	128	Resp:	833
Ion Ratio	Lower	Upper	
128	100		
129	25.5	11.2	16.8#
127	24.5	11.6	17.4#

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#10

Hexachlorobutadiene

Concen: 0.08 ng

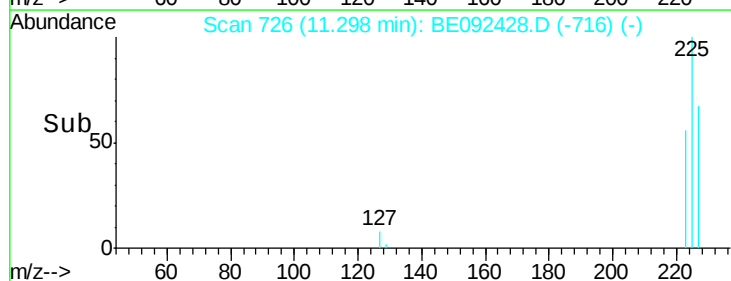
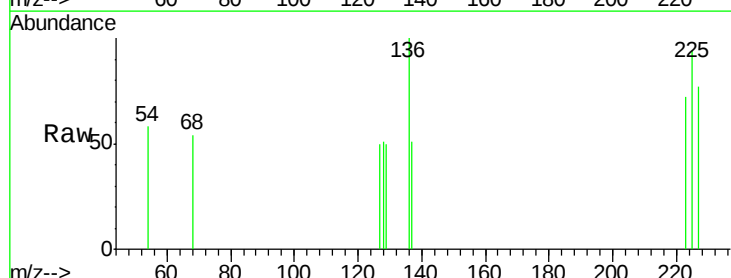
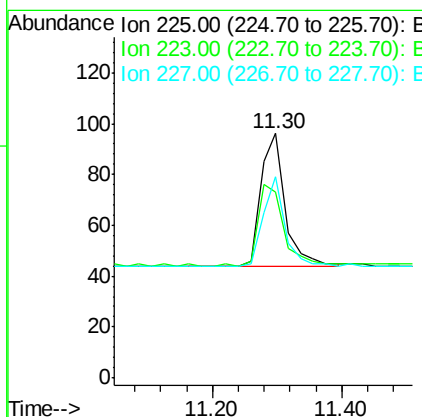
RT: 11.30 min Scan# 726

Delta R.T. 0.00 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Tgt Ion:	225	Resp:	136
Ion Ratio	Lower	Upper	
225	100		
223	66.9	50.6	76.0
227	60.3	51.4	77.0





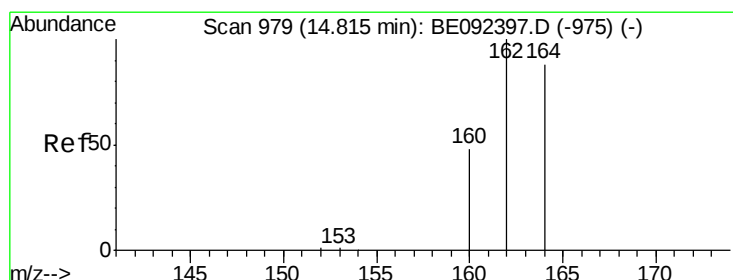
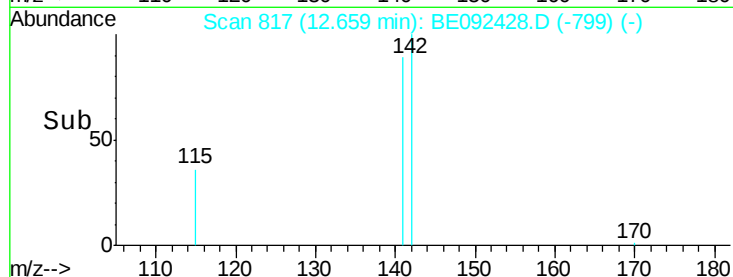
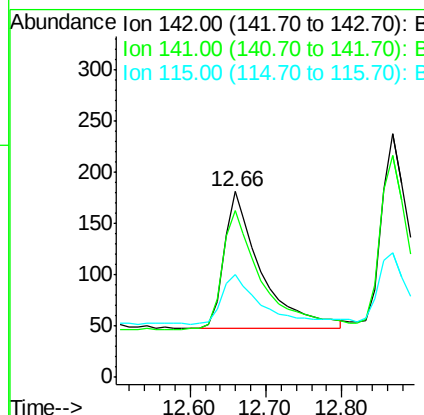
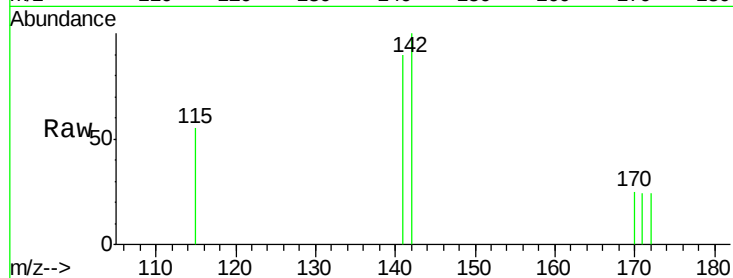
#11
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.66 min Scan# 817
Delta R.T. 0.01 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

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

Tgt Ion:142 Resp: 450
Ion Ratio Lower Upper
142 100
141 89.5 73.7 110.5
115 55.2 34.0 51.0#

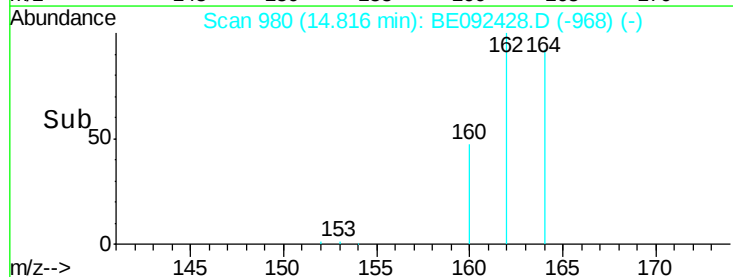
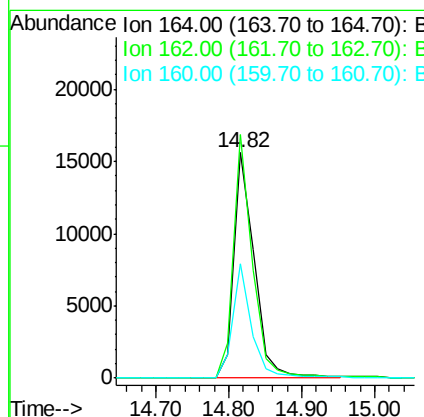
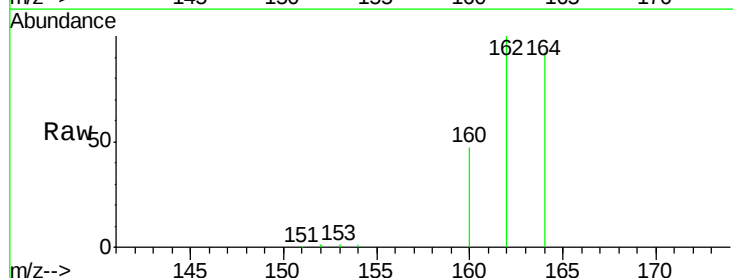
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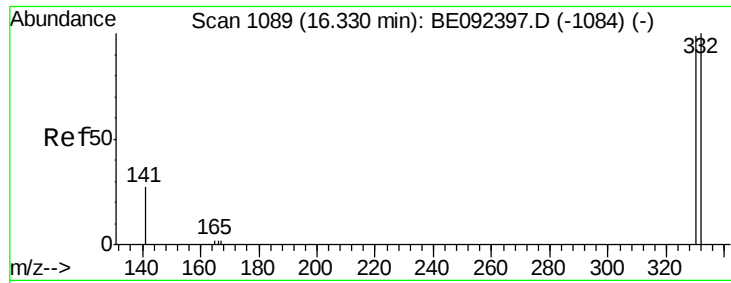
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

Tgt Ion:164 Resp: 29373
Ion Ratio Lower Upper
164 100
162 108.1 71.4 107.0#
160 50.8 27.4 41.2#





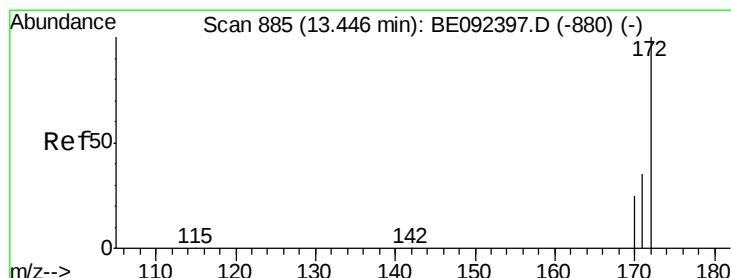
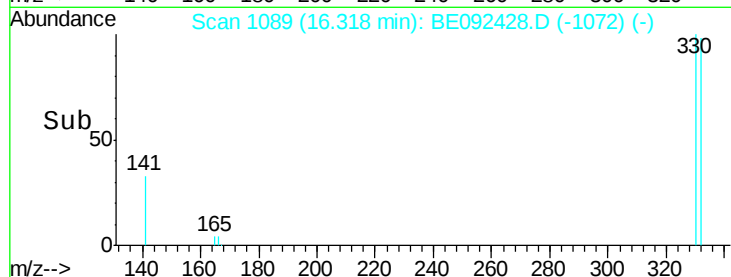
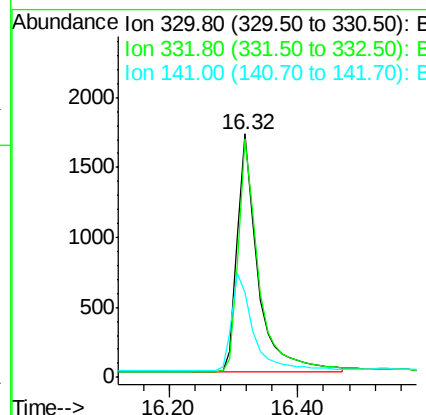
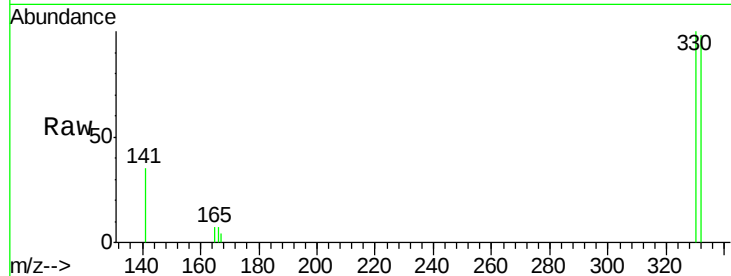
#13
 2,4,6-Tribromophenol
 Concen: 3.68 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	43.0	31.0	46.6

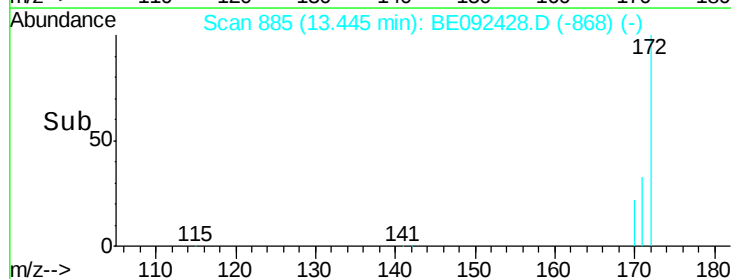
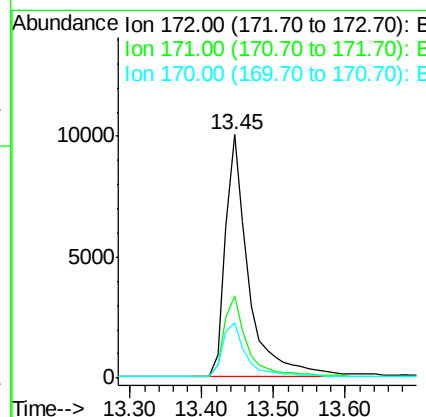
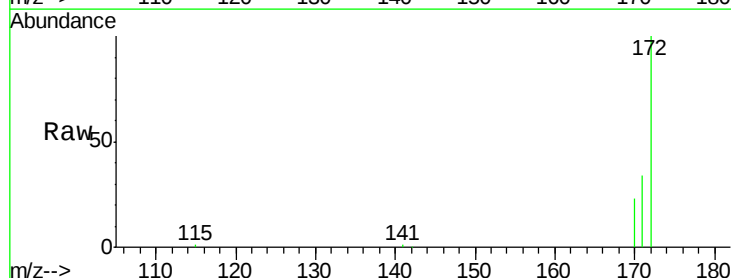
Manual Integrations
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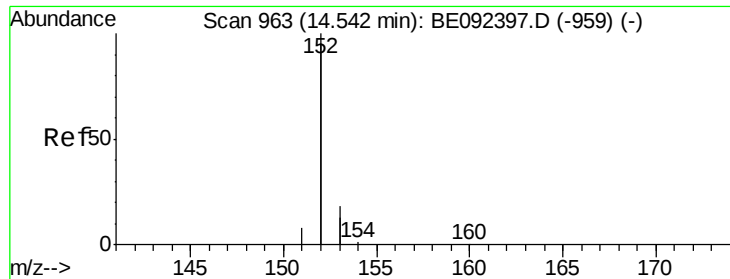
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#14
 2-Fluorobiphenyl
 Concen: 3.27 ng
 RT: 13.45 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.1	45.1
170	22.6	21.8	32.6





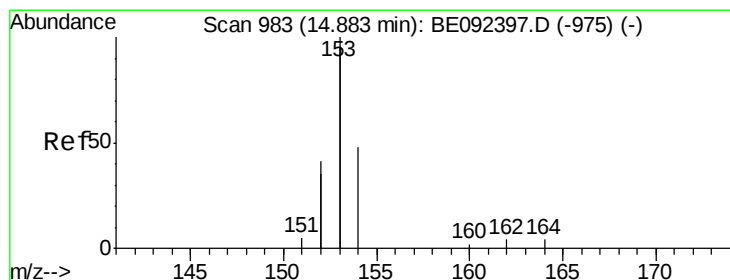
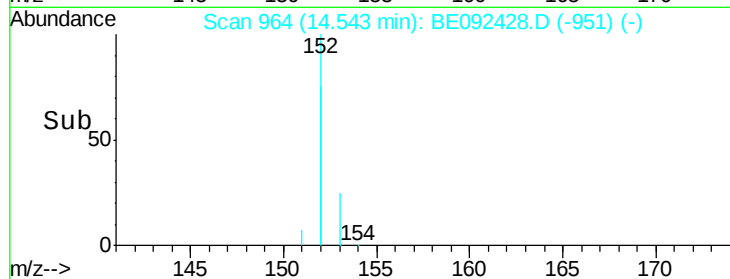
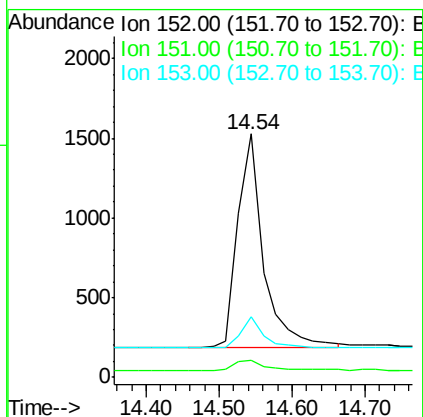
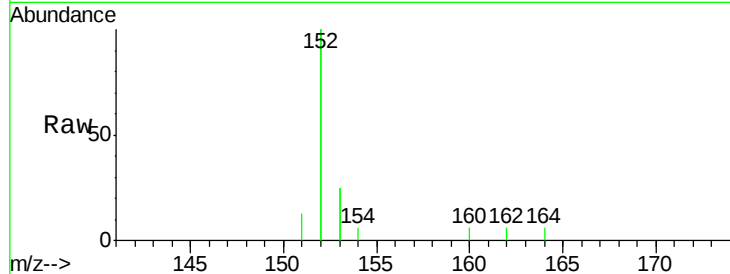
#15
Acenaphthylene
Concen: 0.08 ng
RT: 14.54 min Scan# 964
Delta R.T. 0.02 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.1	10.4	15.6

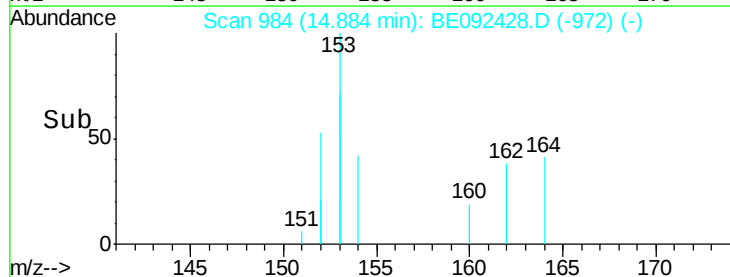
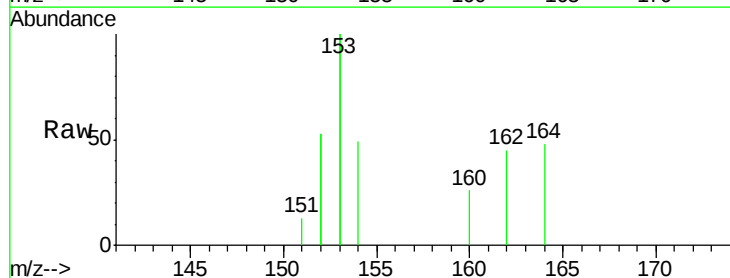
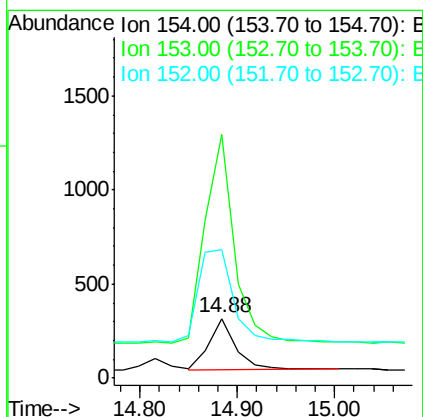
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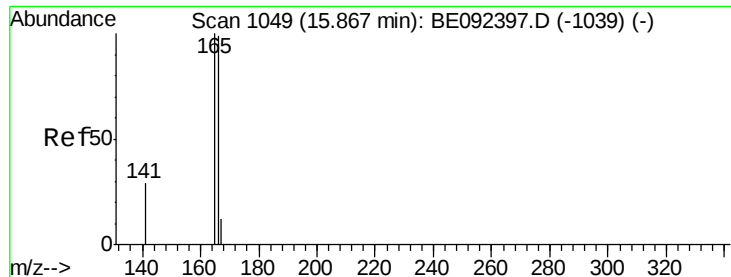
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#16
Acenaphthene
Concen: 0.08 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	462.3	350.8	526.2
152	242.6	171.1	256.7





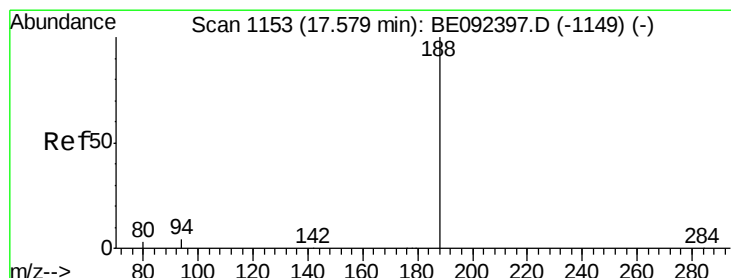
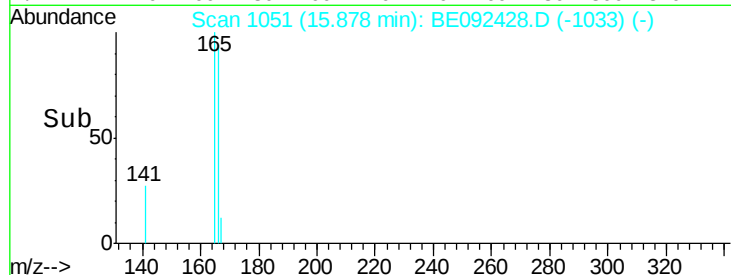
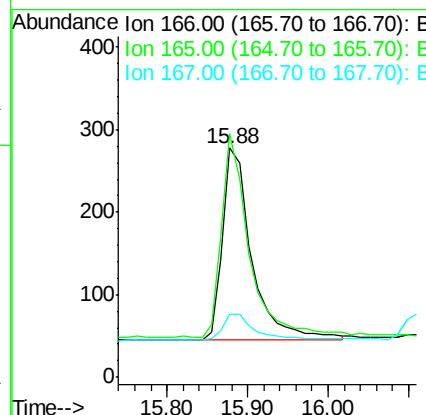
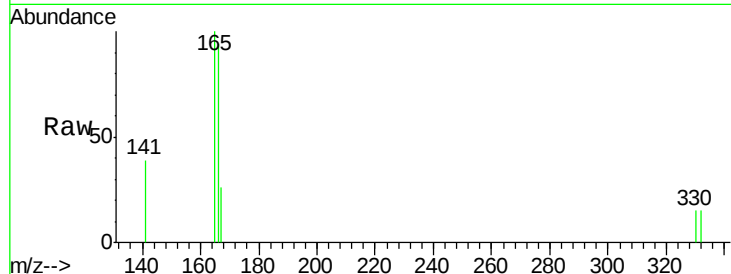
#17
Fluorene
 Concen: 0.07 ng
 RT: 15.88 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.2	117.4
167	15.4	11.0	16.4

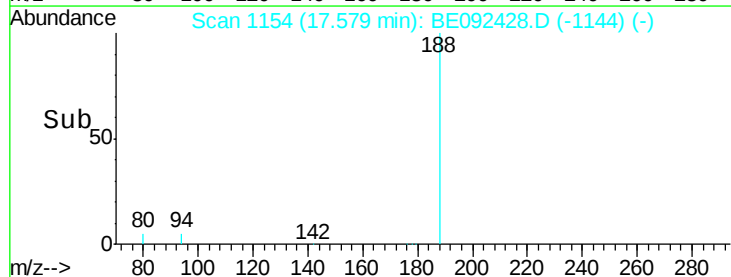
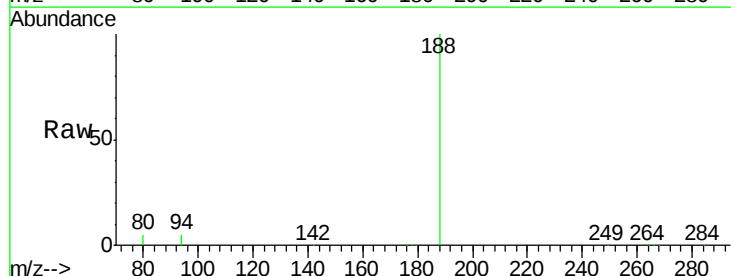
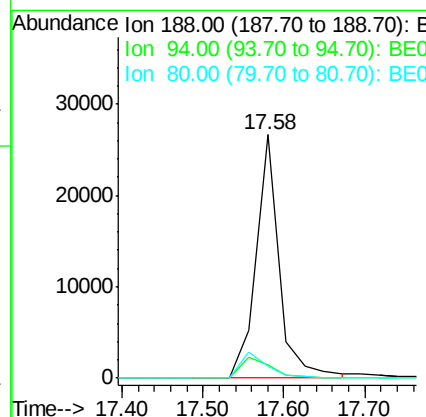
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	3.2	4.8#
80	4.8	2.6	3.8#





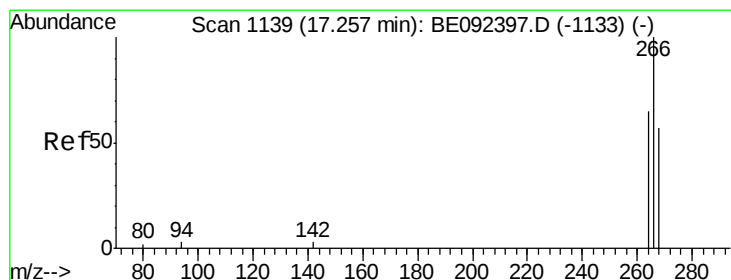
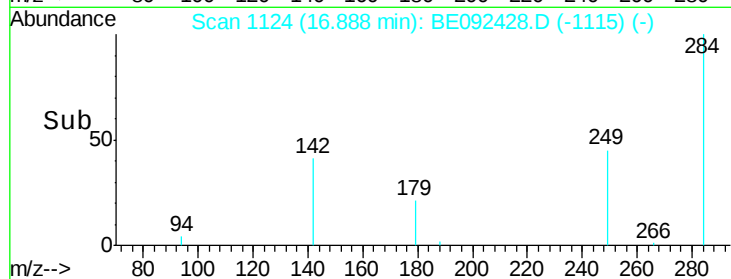
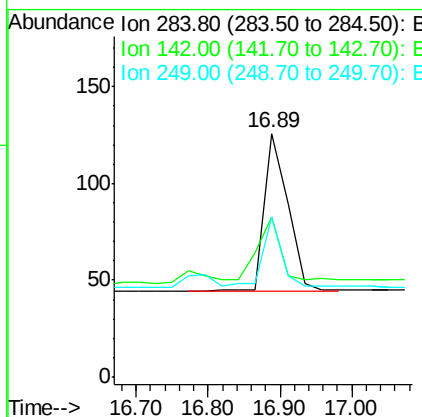
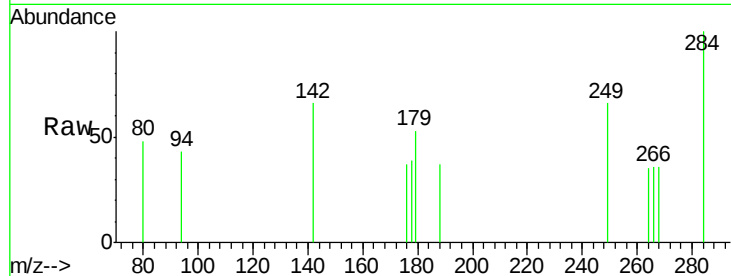
#19
Hexachlorobenzene
Concen: 0.08 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	188		
142	39.9	29.1	43.7	
249	34.0	27.9	41.9	

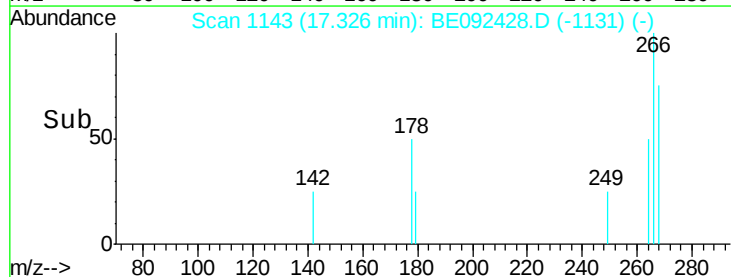
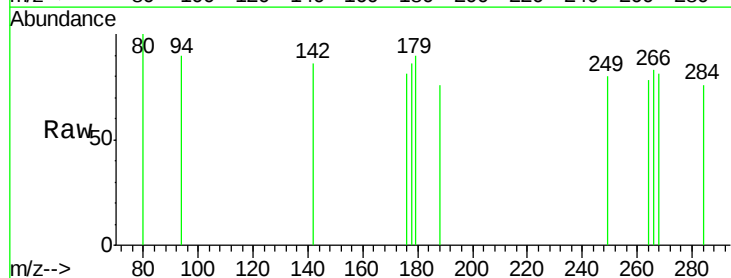
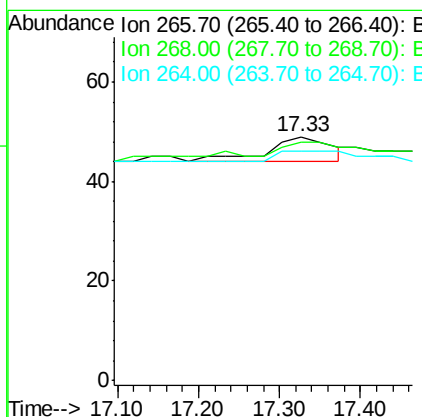
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#20
Pentachlorophenol
Concen: 0.21 ng
RT: 17.33 min Scan# 1143
Delta R.T. 0.07 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	28		
268	98.0	62.5	93.7#	
264	93.9	57.2	85.8#	





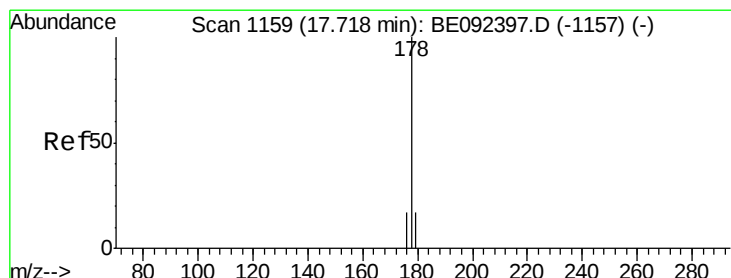
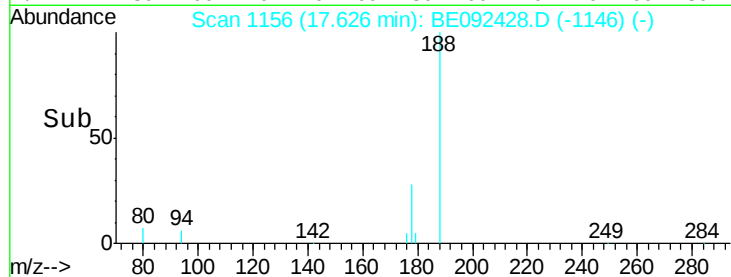
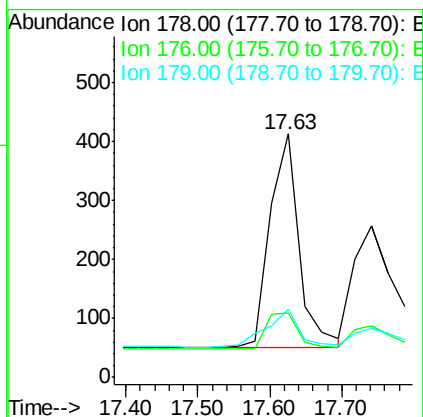
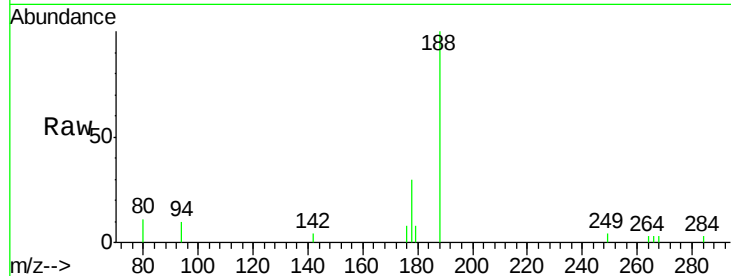
#21
Phenanthrene
Concen: 0.08 ng
RT: 17.63 min Scan# 1156
Delta R.T. 0.02 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

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

Tgt Ion:178 Resp: 1023
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 19.7 16.0 24.0

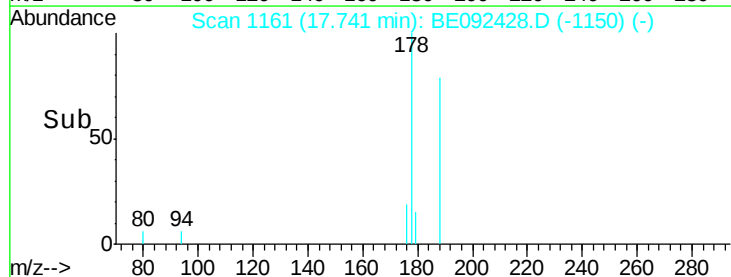
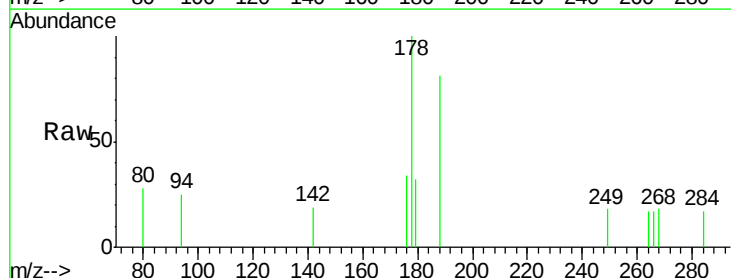
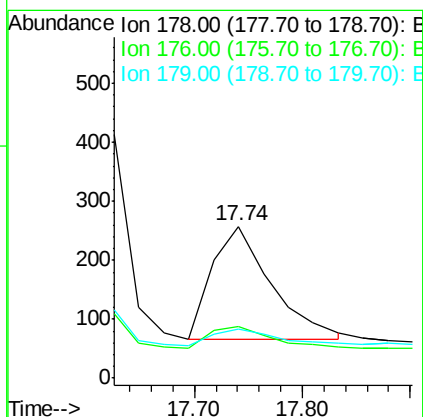
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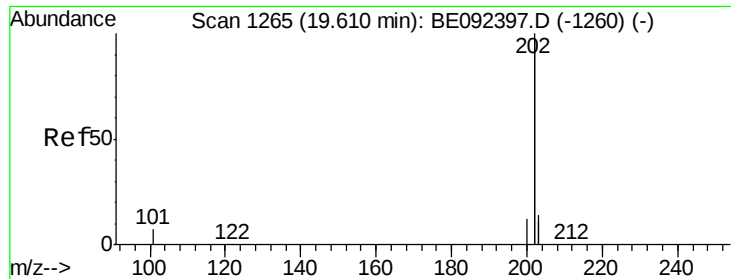
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#22
Anthracene
Concen: 0.06 ng
RT: 17.74 min Scan# 1161
Delta R.T. 0.05 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

Tgt Ion:178 Resp: 730
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.4
179 16.3 12.2 18.2





#23

Fluoranthene

Concen: 0.07 ng

RT: 19.63 min Scan# 1267

Delta R.T. 0.02 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Instrument :

BNA_E

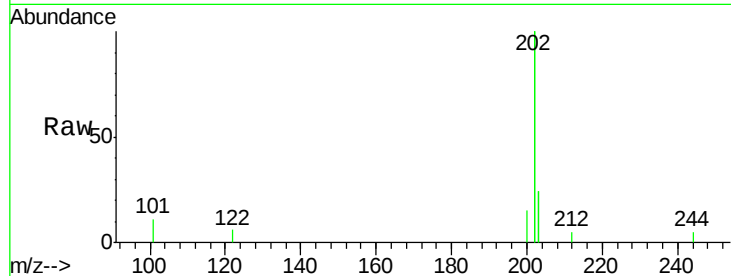
ClientSampleId :

LOD-WATER2016-05-QT4

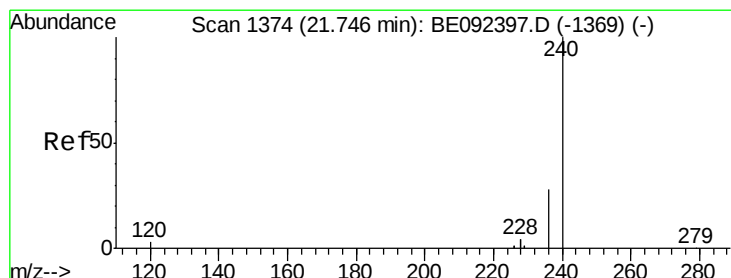
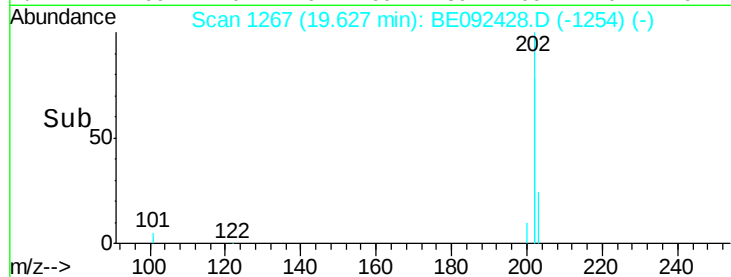
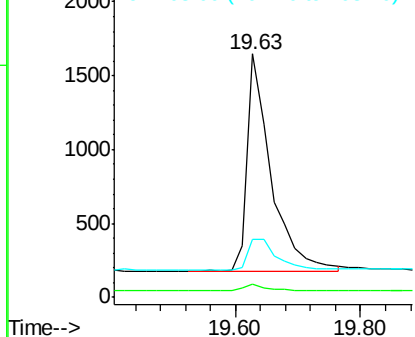
Tgt Ion:	202	Resp:	3862
Ion Ratio	Lower	Upper	
202	100		
101	3.1	2.2	3.4
203	17.9	13.7	20.5

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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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

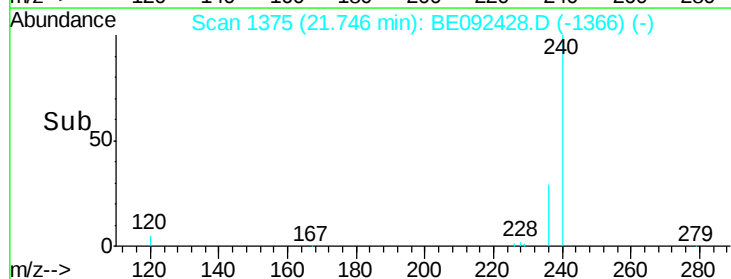
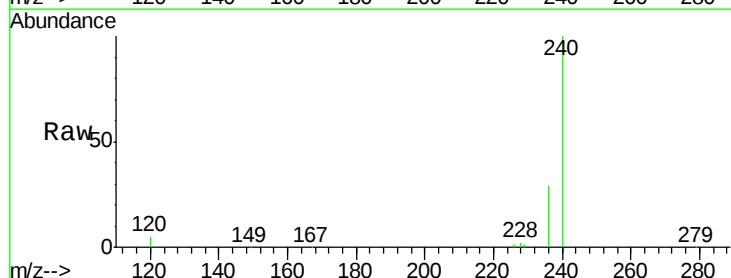
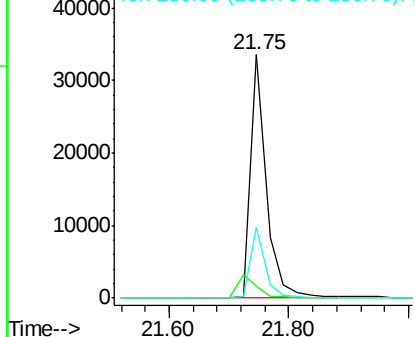
Delta R.T. -0.00 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18

Tgt Ion:	240	Resp:	61424
Ion Ratio	Lower	Upper	
240	100		
120	4.8	2.6	4.0#
236	29.2	24.6	37.0

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





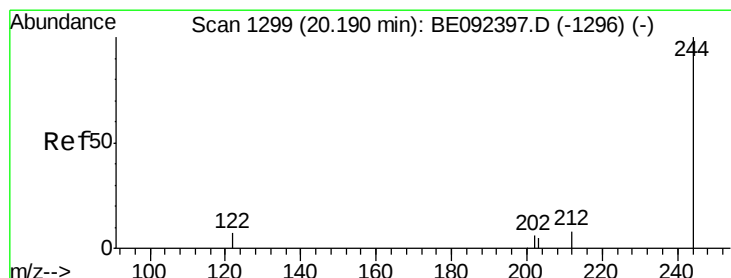
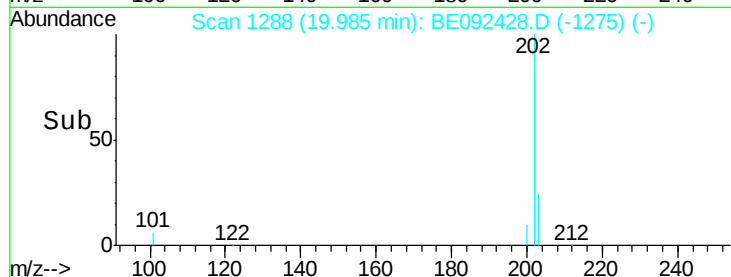
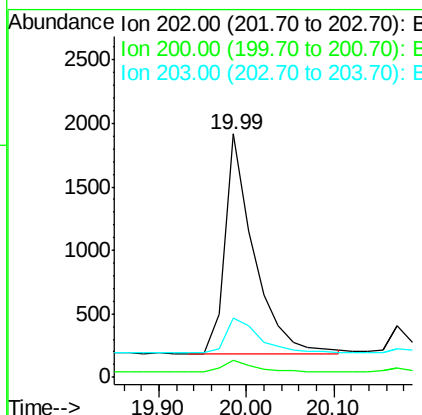
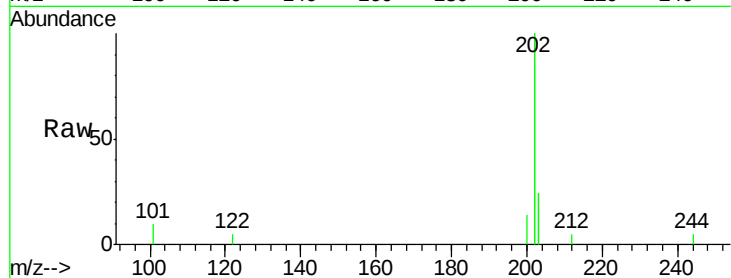
#25
 Pyrene
 Concen: 0.07 ng
 RT: 19.99 min Scan# 1288
 Delta R.T. 0.02 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3981		
200	5.4		4.2	6.4
203	17.8		13.9	20.9

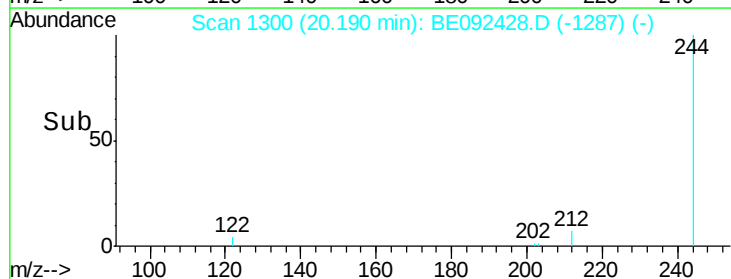
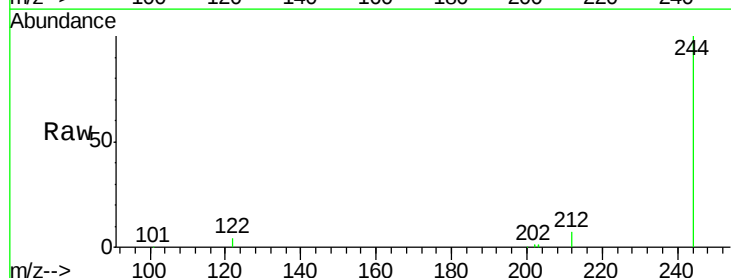
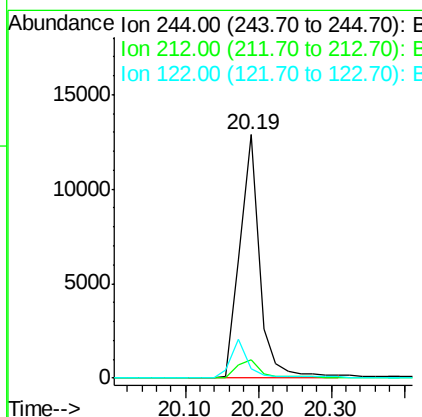
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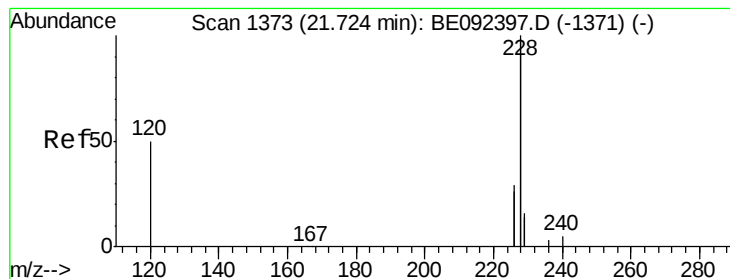
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#26
 Terphenyl-d14
 Concen: 3.11 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	23724		
212	7.4		6.7	10.1
122	4.1		3.6	5.4





#27

Benzo(a)anthracene

Concen: 0.08 ng m

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092428.D

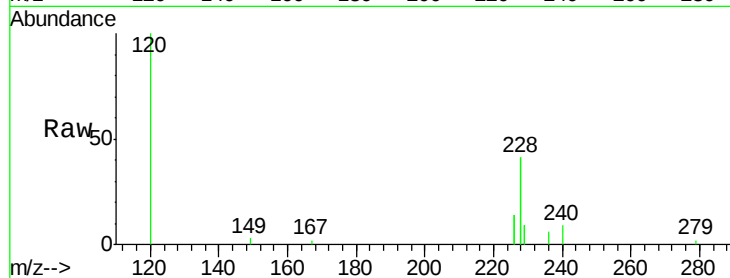
Acq: 26 Sep 2016 16:18

Instrument :

BNA_E

ClientSampleId :

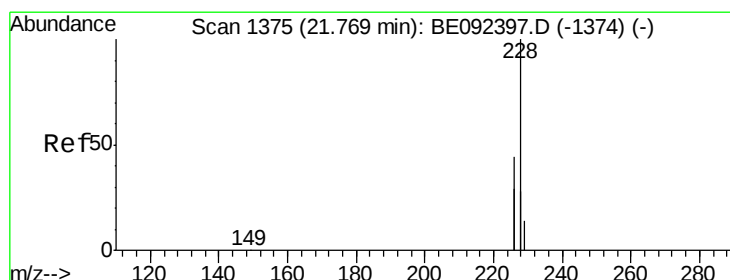
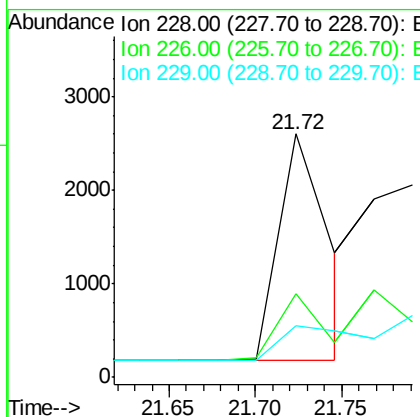
LOD-WATER2016-05-QT4



Tgt Ion:	228	Resp:	4901
Ion Ratio	Lower	Upper	
228	100		
226	34.3	23.6	35.4
229	21.2	13.3	19.9

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#28

Chrysene

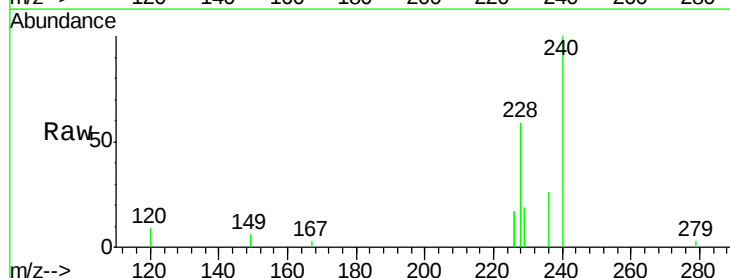
Concen: 0.10 ng m

RT: 21.79 min Scan# 1377

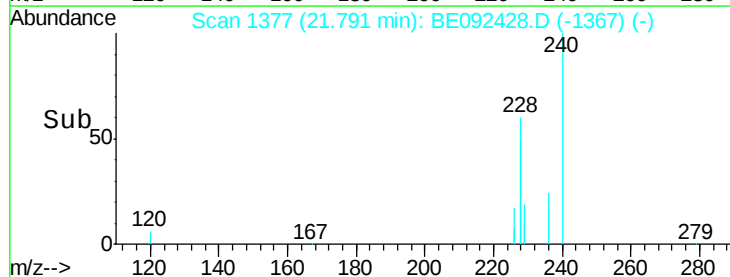
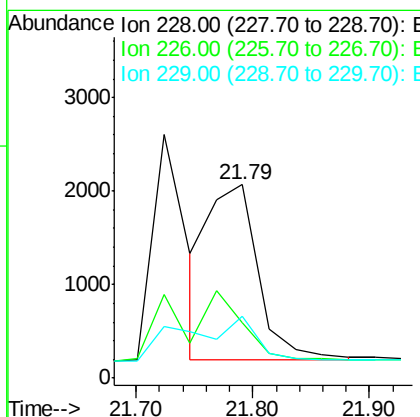
Delta R.T. 0.02 min

Lab File: BE092428.D

Acq: 26 Sep 2016 16:18



Tgt Ion:	228	Resp:	5637
Ion Ratio	Lower	Upper	
228	100		
226	28.8	36.3	54.5
229	31.8	10.6	16.0





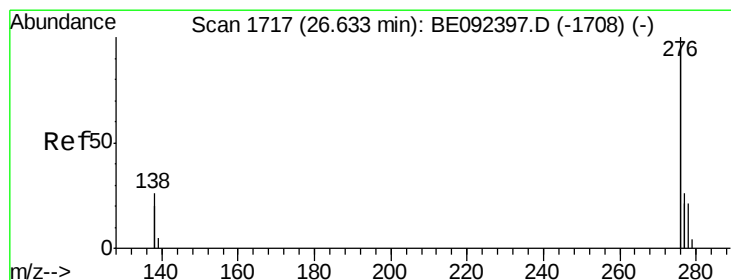
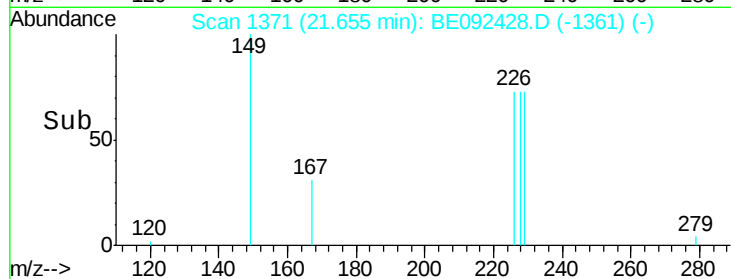
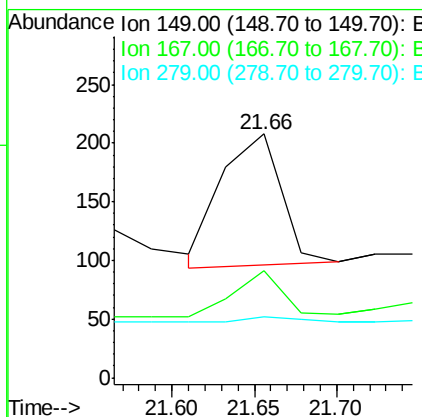
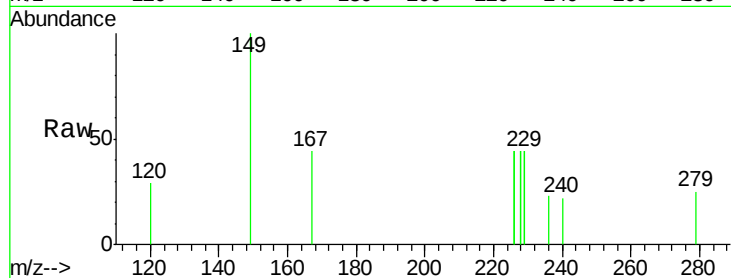
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.06 ng
 RT: 21.66 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	16.0	24.0#
279	6.7	16.0	24.0#

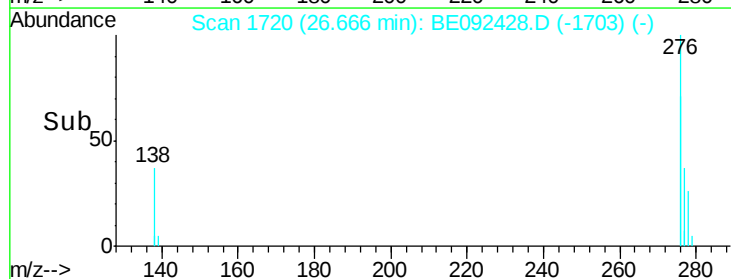
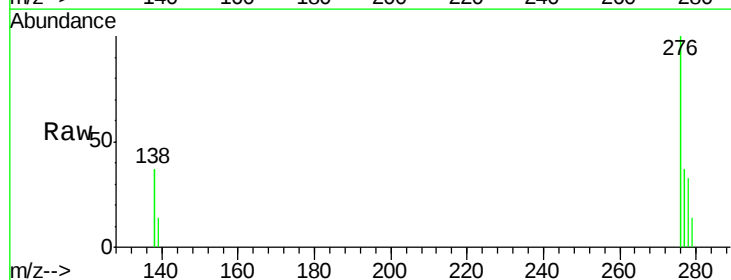
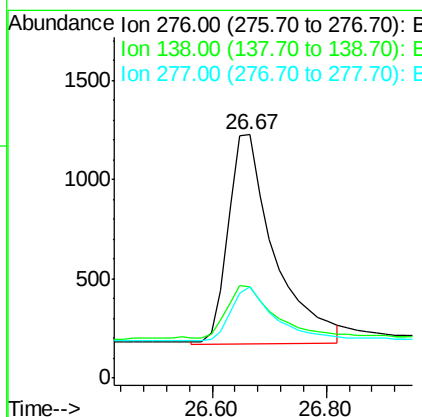
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.10 ng m
 RT: 26.67 min Scan# 1720
 Delta R.T. 0.08 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.3	30.5
277	20.2	19.7	29.5





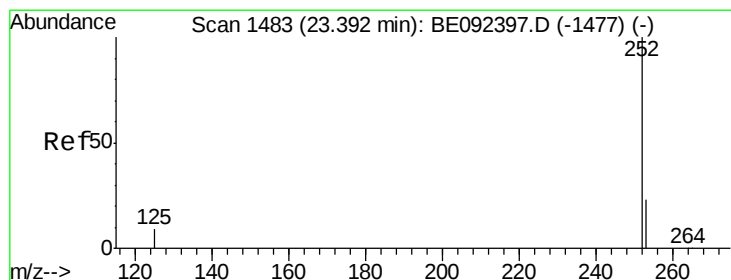
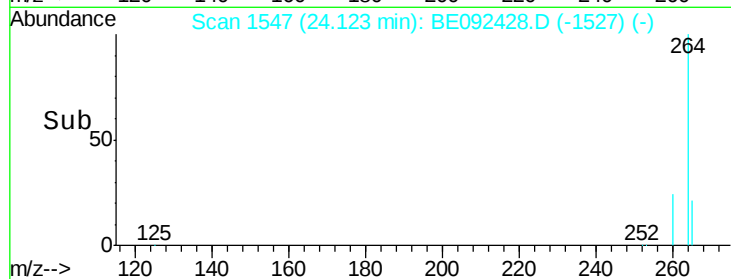
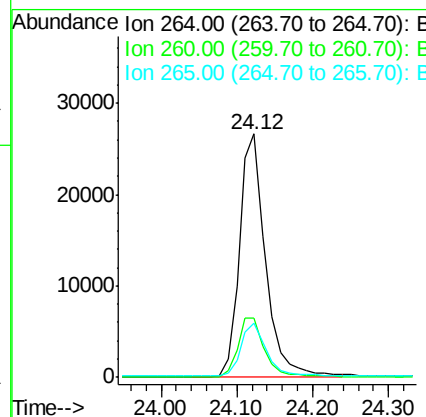
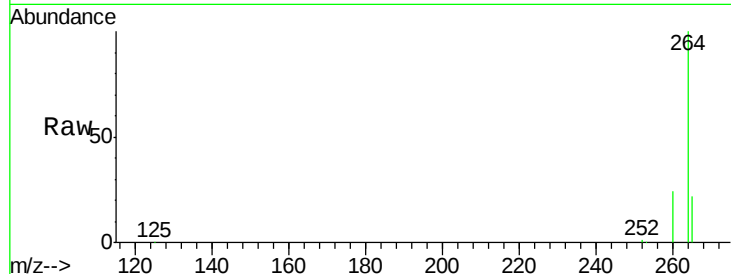
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1547
 Delta R.T. 0.04 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	63682		
260	24.2	20.1	30.1	
265	22.1	17.9	26.9	

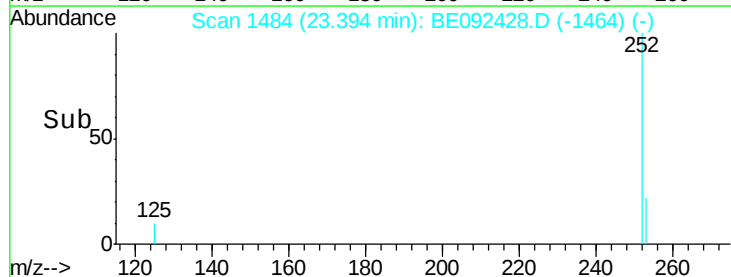
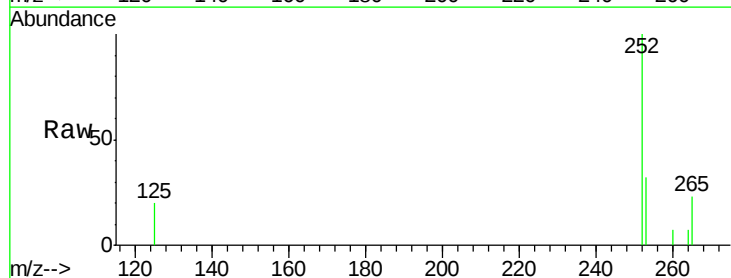
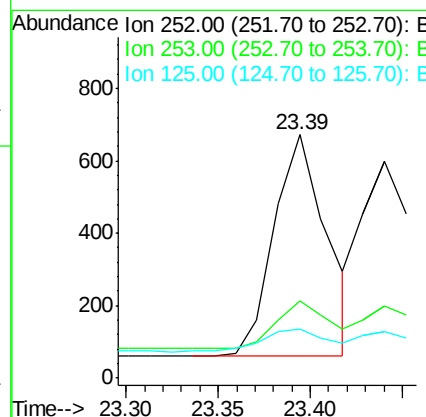
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#32
 Benzo(b)fluoranthene
 Concen: 0.08 ng
 RT: 23.39 min Scan# 1484
 Delta R.T. 0.04 min
 Lab File: BE092428.D
 Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1220		
253	31.7	18.7	28.1#	
125	20.4	10.5	15.7#	





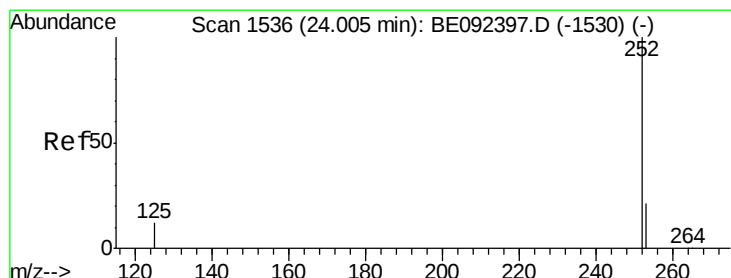
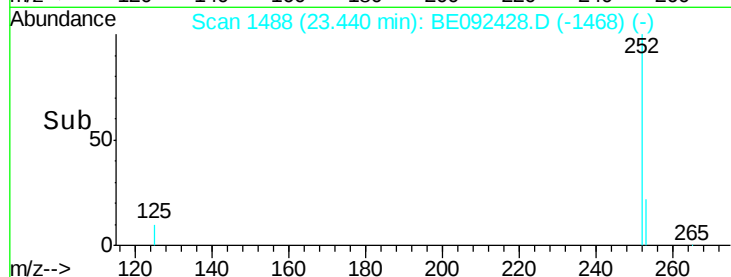
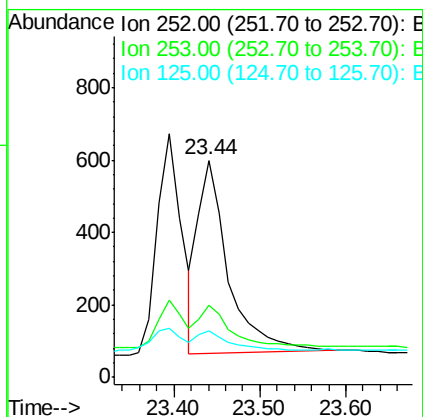
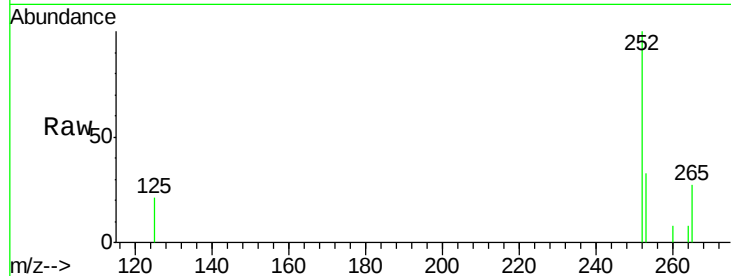
#33
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 23.44 min Scan# 1488
Delta R.T. 0.04 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.4	20.3	30.5#
125	21.2	9.6	14.4#

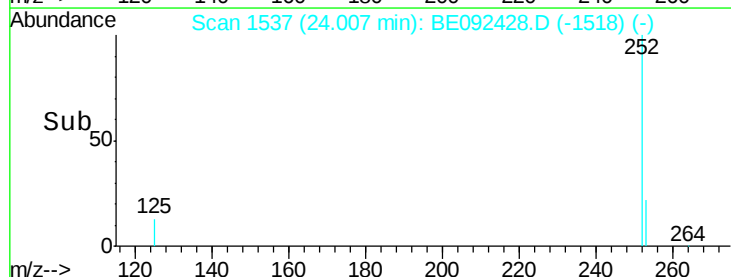
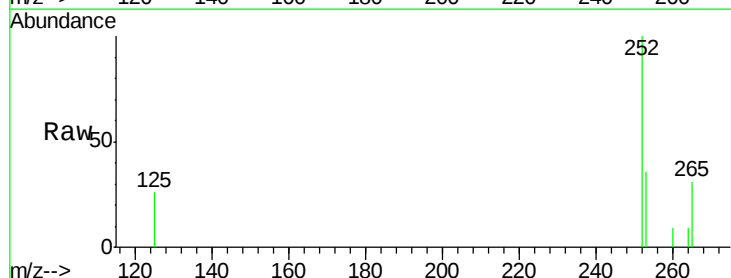
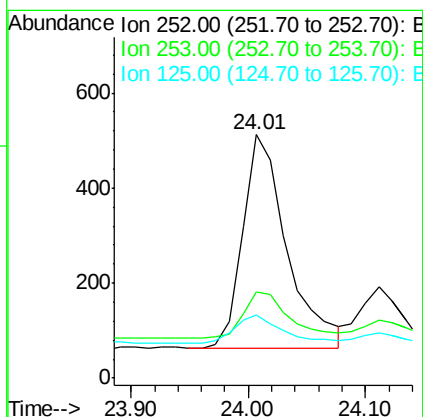
Manual Integrations
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#34
Benzo(a)pyrene
Concen: 0.08 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.5	19.0	28.6#
125	26.0	11.8	17.8#





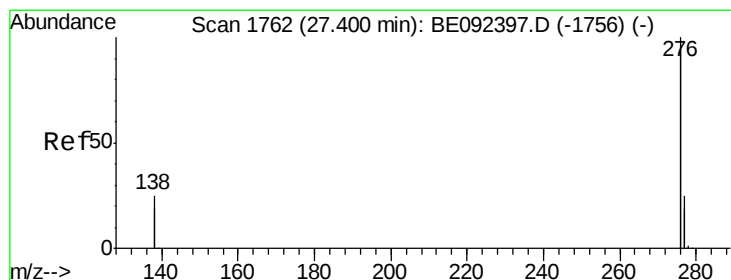
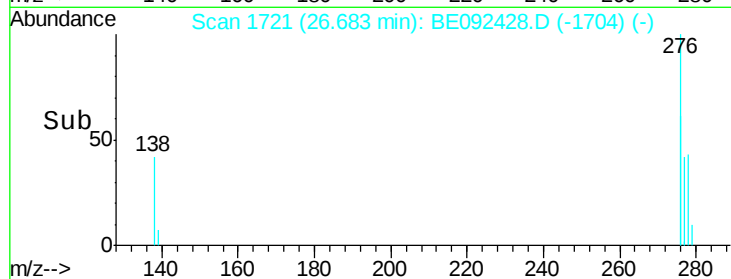
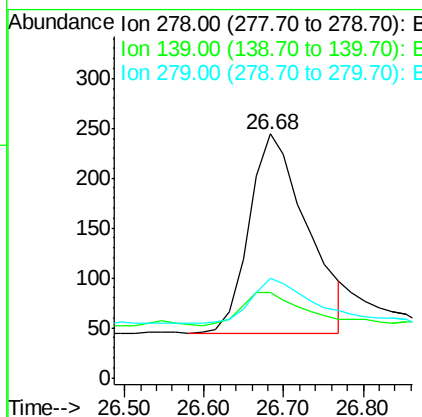
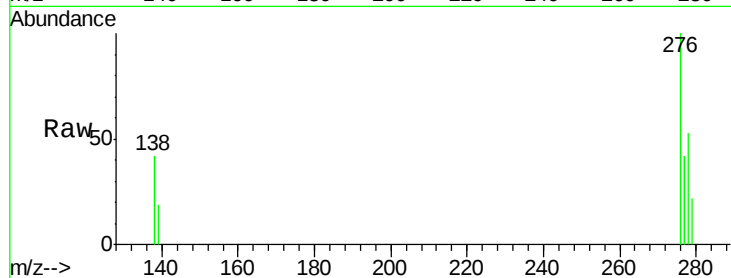
#35
Dibenzo(a,h)anthracene
Concen: 0.07 ng
RT: 26.68 min Scan# 1721
Delta R.T. 0.08 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.2	13.8	20.8#
279	41.0	21.4	32.2#

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 27.42 min Scan# 1764
Delta R.T. 0.07 min
Lab File: BE092428.D
Acq: 26 Sep 2016 16:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.5	19.8	29.8#
138	35.8	19.8	29.6#

