

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041116\
 Data File : BE091636.D
 Acq On : 11 Apr 2016 19:56
 Operator : UM/SJ
 Sample : H2294-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160405

Manual Integrations
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 4/12/2016 5:32:55 PM

Quant Time: Apr 12 03:08:22 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	37815	5.00	ng	-0.02
7) Naphthalene-d8	10.59	136	180850	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	108956	5.00	ng	0.00
19) Phenanthrene-d10	17.16	188	275672	5.00	ng	0.00
26) Chrysene-d12	21.31	240	350588	5.00	ng	0.00
35) Perylene-d12	23.76	264	292463	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	18043	2.00	ng	0.00
5) Phenol-d6	6.97	99	13341	1.11	ng	0.00
8) Nitrobenzene-d5	8.96	82	32833	3.12	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	24632	6.23	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	112651	3.72	ng	0.00
29) Terphenyl-d14	19.76	244	205278	4.69	ng	0.00
Target Compounds						
22) Pentachlorophenol	16.81	266	267	0.27	ng	Qvalue 94
23) Phenanthrene	17.19	178	1701	0.03	ng	96
25) Fluoranthene	19.21	202	2074	0.03	ng	96
28) Pyrene	19.55	202	2159	0.03	ng	97
30) Benzo(a)anthracene	21.29	228	4049m	0.05	ng	
32) Chrysene	21.33	228	3970m	0.06	ng	
33) Bis(2-ethylhexyl)phthalate	21.22	149	2014	0.30	ng	# 85
34) Indeno(1,2,3-cd)pyrene	26.32	276	3129	0.04	ng	97
36) Benzo(b)fluoranthene	23.01	252	3122	0.05	ng	# 78
37) Benzo(k)fluoranthene	23.06	252	2743	0.04	ng	# 81
38) Benzo(a)pyrene	23.65	252	1959	0.03	ng	# 64
39) Dibenzo(a,h)anthracene	26.35	278	2736	0.04	ng	# 88
40) Benzo(a,h,i)perylene	27.10	276	2807	0.04	ng	# 89

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

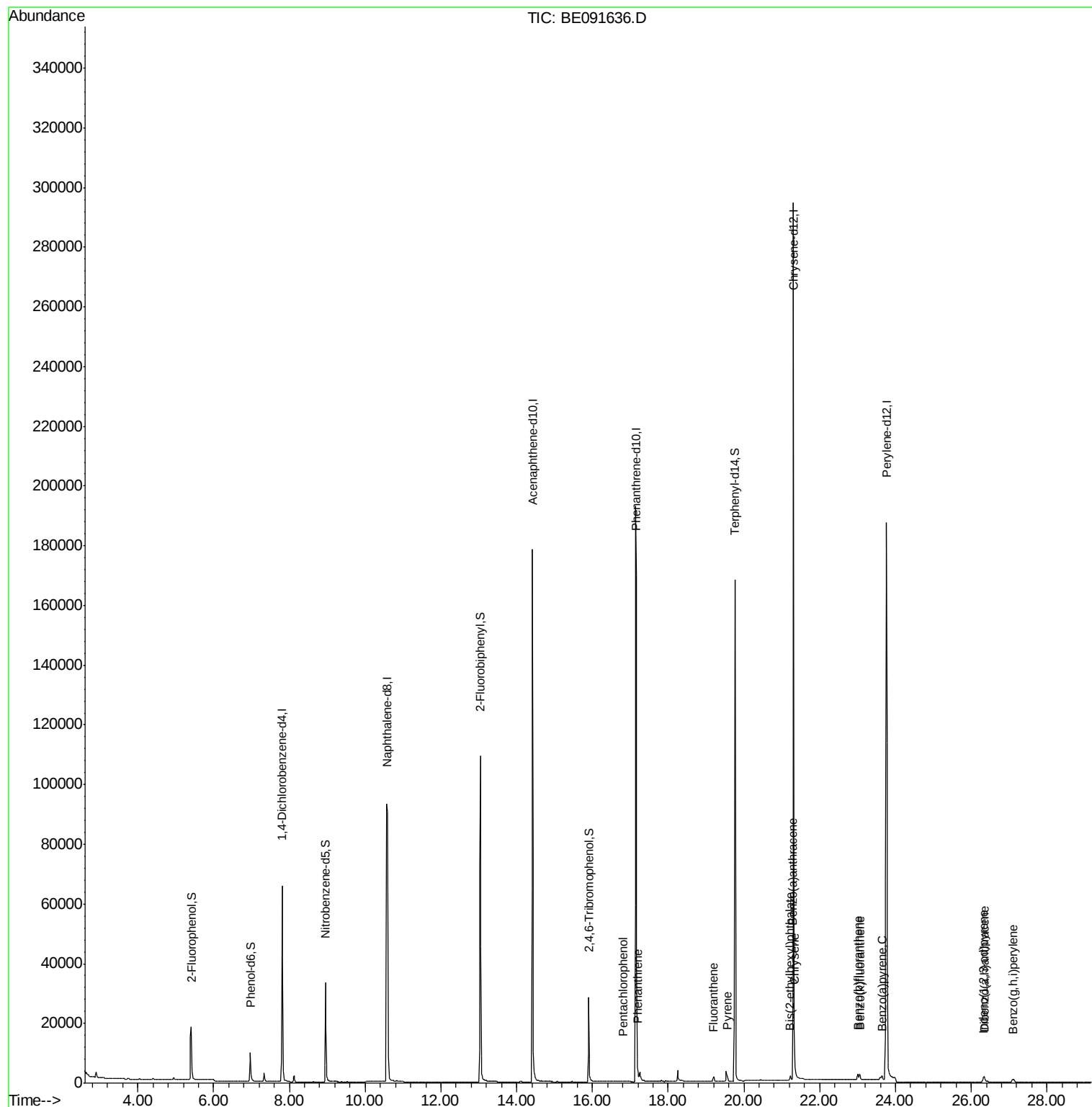
Data Path : Z:\HPCHEM1\BNA E\DATA\BE041116\
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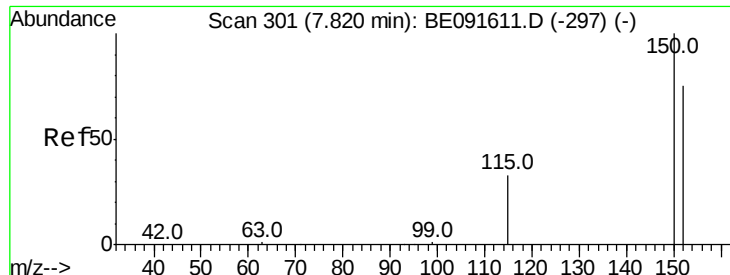
Instrument :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE040816.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Instrument :

BNA_E

ClientSampleId :

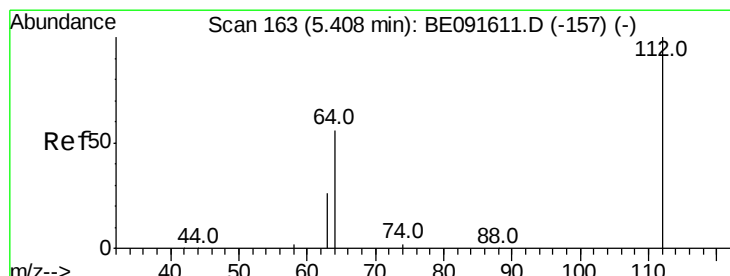
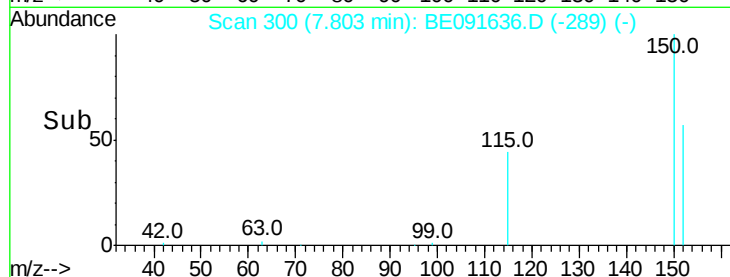
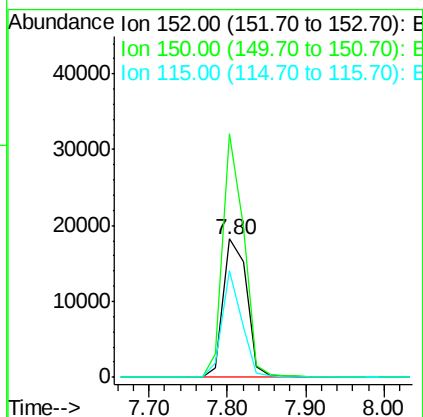
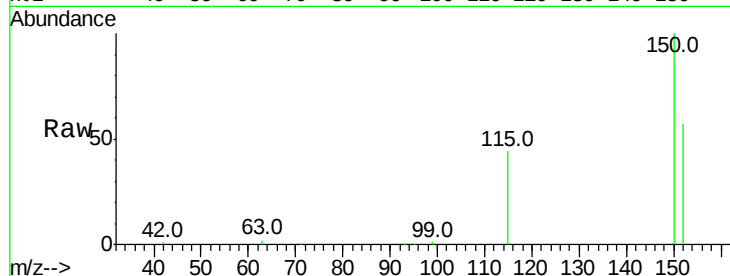
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Tot Ion:	152	Resp:	37815
Ion Ratio	Lower	Upper	
152	100		
150	176.2	122.6	183.8
115	76.9	52.8	79.2



#4

2-Fluorophenol

Concen: 2.00 ng

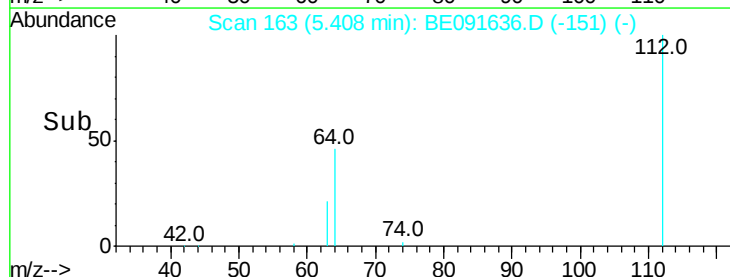
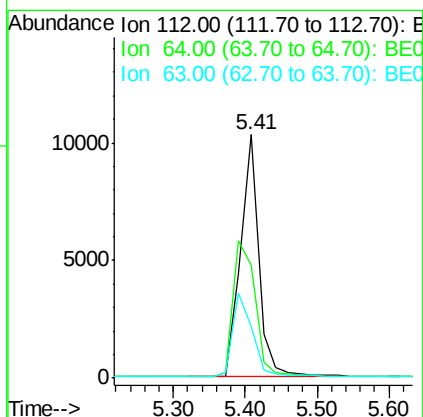
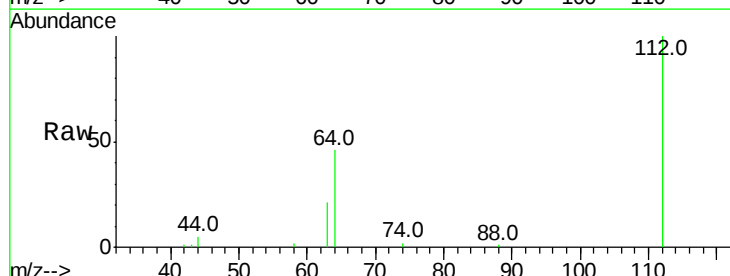
RT: 5.41 min Scan# 163

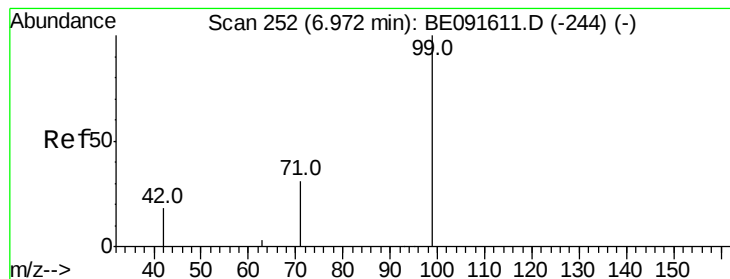
Delta R.T. 0.00 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Tgt Ion:	112	Resp:	18043
Ion Ratio	Lower	Upper	
112	100		
64	68.2	30.9	46.3#
63	36.9	16.7	25.1#





#5

Phenol-d6

Concen: 1.11 ng

RT: 6.97 min Scan# 252

Delta R.T. 0.00 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Instrument :

BNA_E

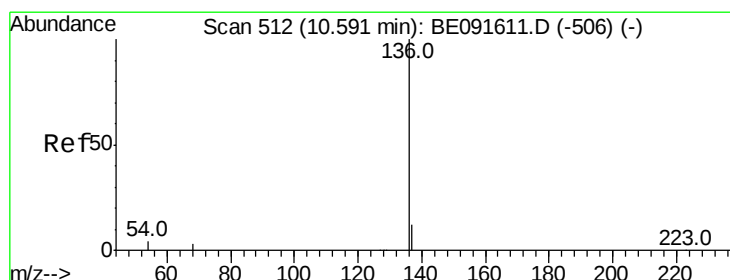
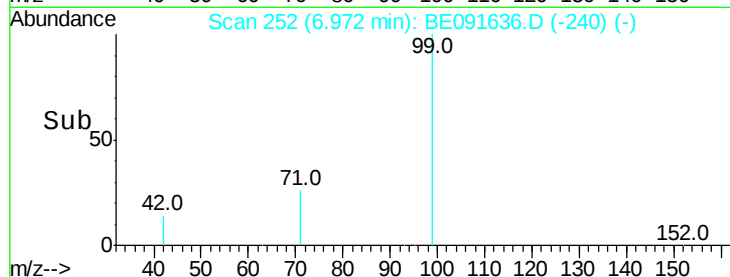
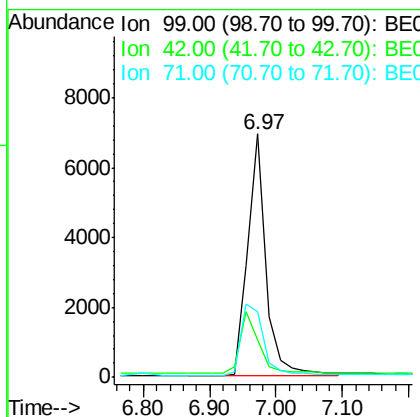
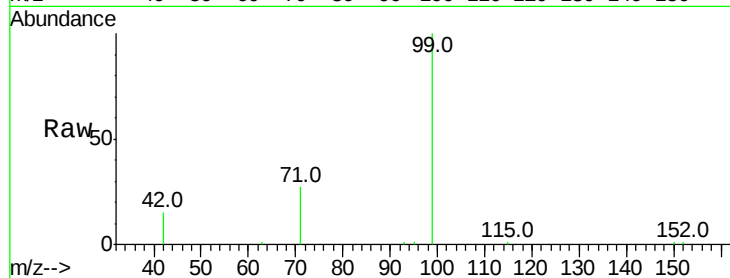
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Tot Ion:	99	Resp:	13341
Ion Ratio	Lower	Upper	
99	100		
42	25.8	16.2	24.2#
71	36.0	29.0	43.4

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#7

Naphthalene-d8

Concen: 5.00 ng

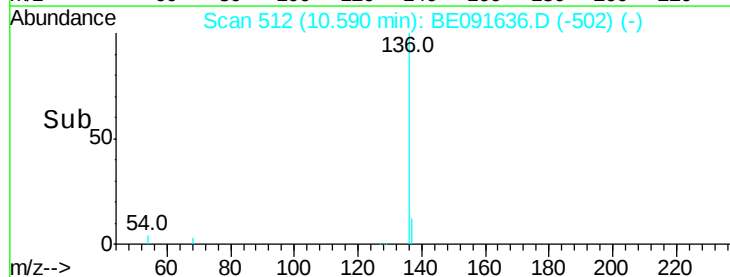
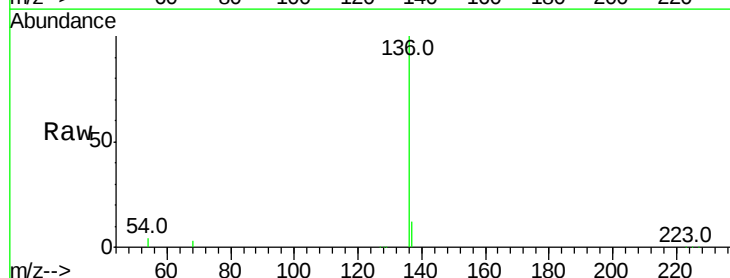
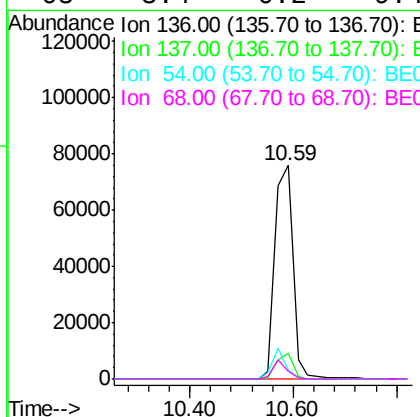
RT: 10.59 min Scan# 512

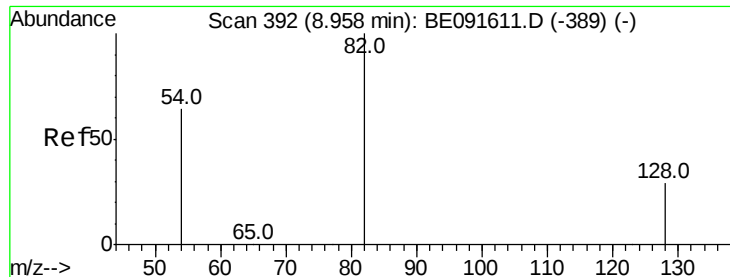
Delta R.T. -0.00 min

Lab File: BE091636.D

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Tgt Ion:	136	Resp:	180850
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.9	13.3
54	4.0	8.2	12.4#
68	3.4	6.2	9.4#





#8

Nitrobenzene-d5

Concen: 3.12 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Instrument :

BNA_E

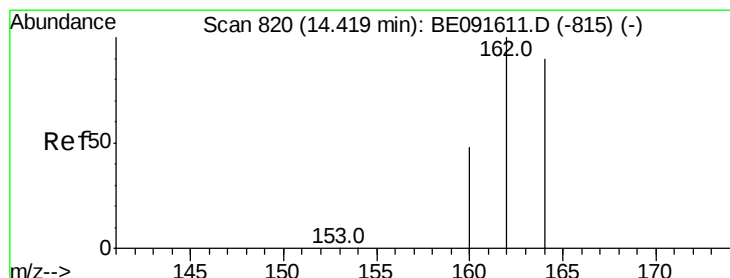
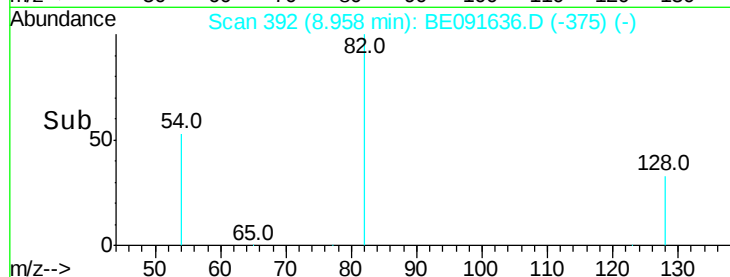
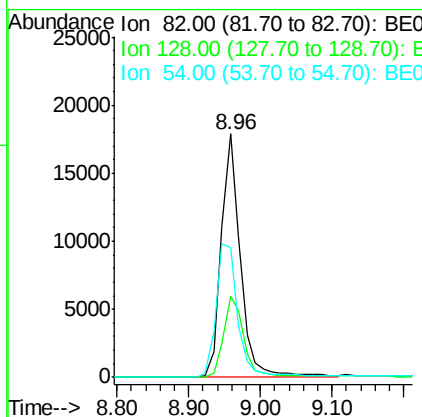
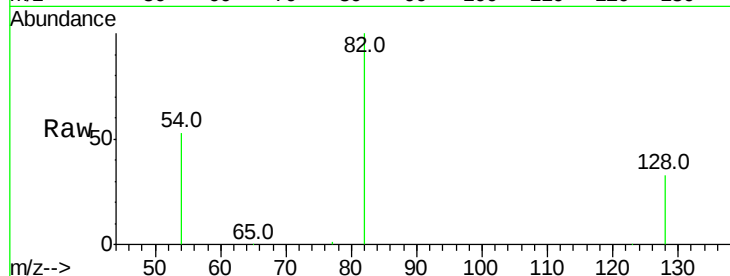
ClientSampleId :

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Tot Ion:	82	Resp:	32833
Ion Ratio	Lower	Upper	
82	100		
128	33.0	25.4	38.0
54	53.1	48.4	72.6

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#13

Acenaphthene-d10

Concen: 5.00 ng

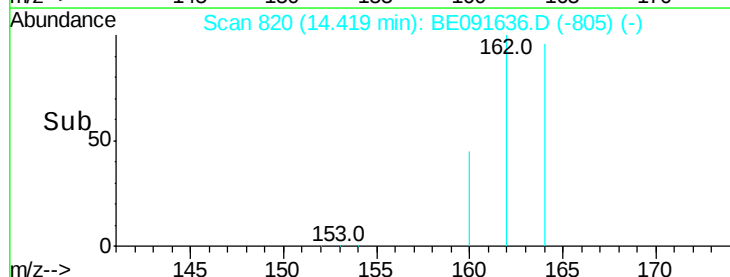
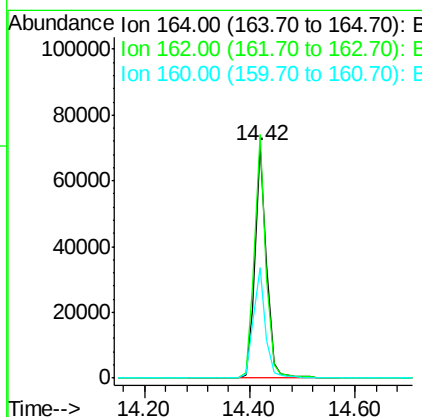
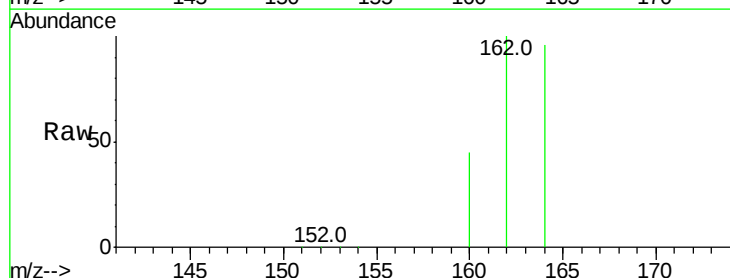
RT: 14.42 min Scan# 820

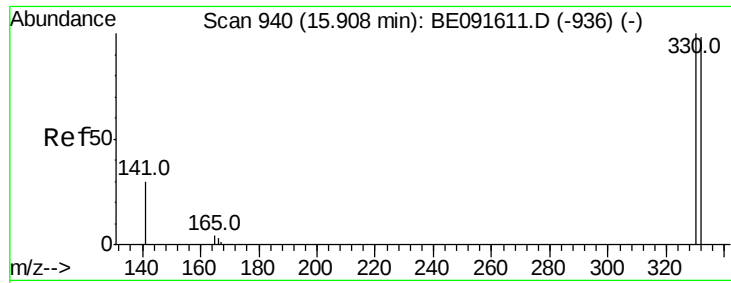
Delta R.T. 0.00 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Tgt Ion:	164	Resp:	108956
Ion Ratio	Lower	Upper	
164	100		
162	104.7	85.3	127.9
160	47.4	46.2	69.2





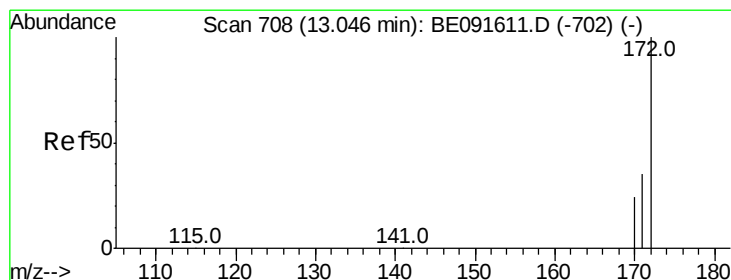
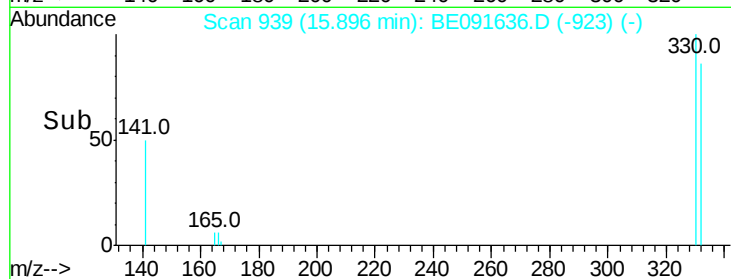
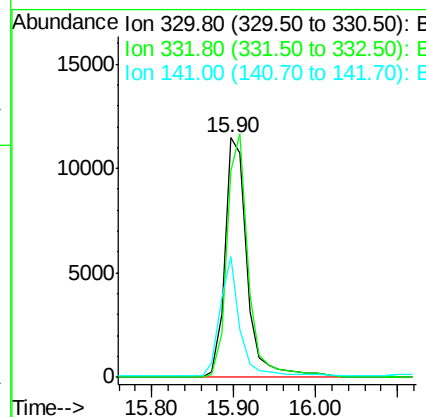
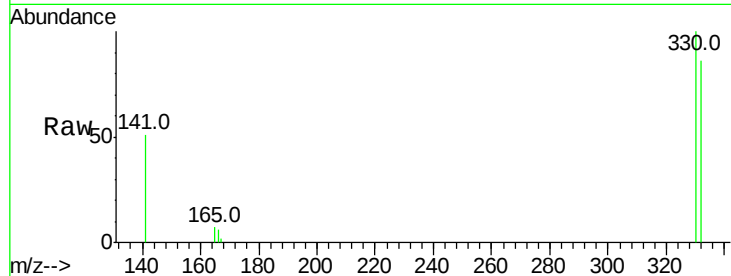
#14
 2,4,6-Tribromophenol
 Concen: 6.23 ng
 RT: 15.90 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BE091636.D
 Acq: 11 Apr 2016 19:56

Instrument :
 BNA_E
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	43.2	125.4	188.0

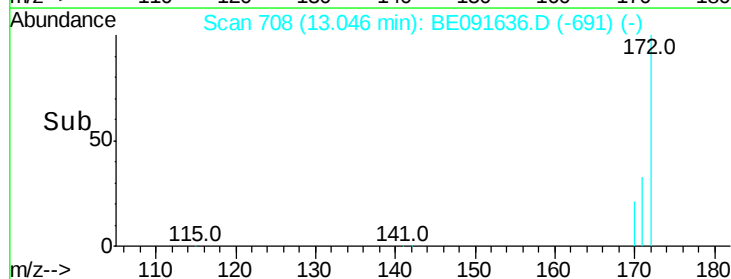
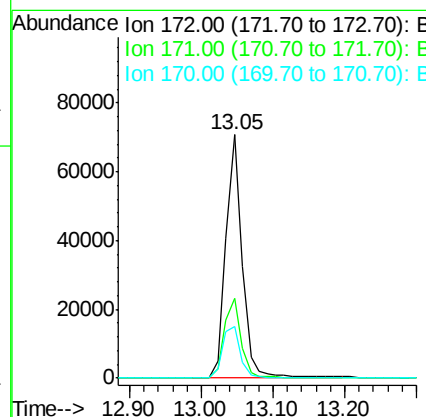
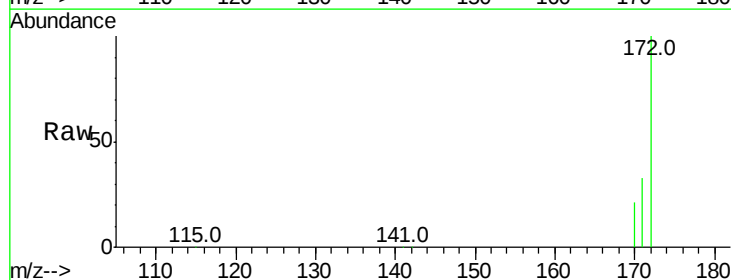
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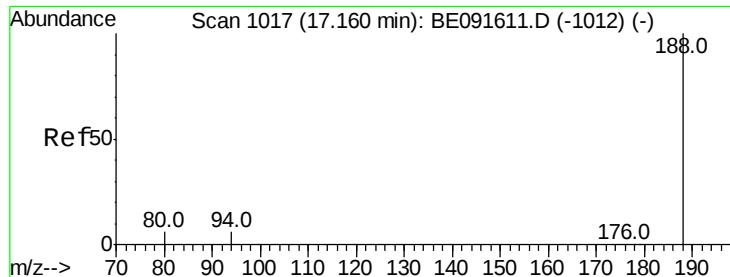
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#15
 2-Fluorobiphenyl
 Concen: 3.72 ng
 RT: 13.05 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: BE091636.D
 Acq: 11 Apr 2016 19:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	28.8	43.2
170	21.2	19.3	28.9





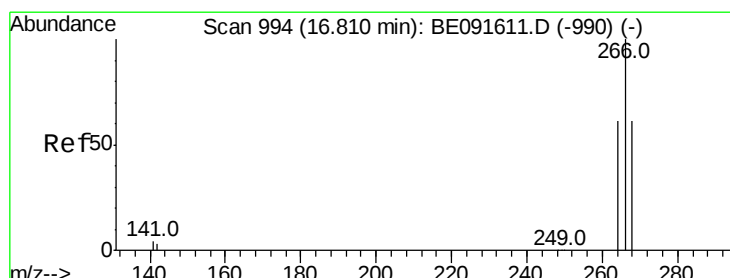
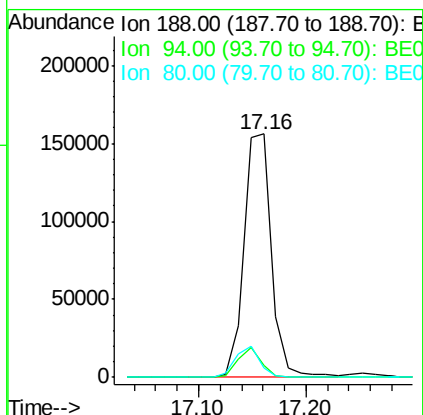
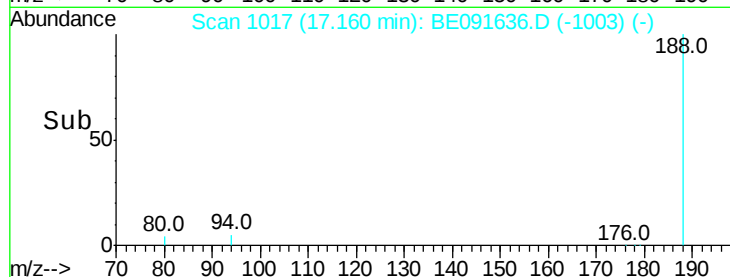
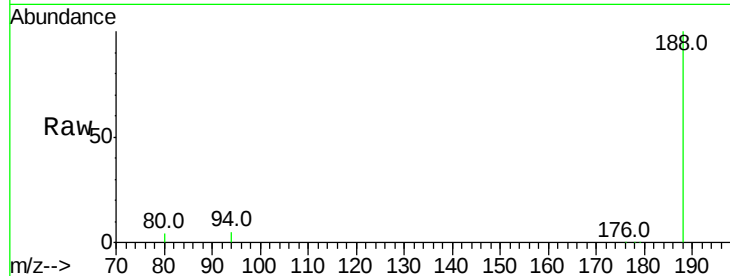
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE091636.D
Acq: 11 Apr 2016 19:56

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ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	4.7	8.7	13.1#
80	3.9	9.4	14.0#

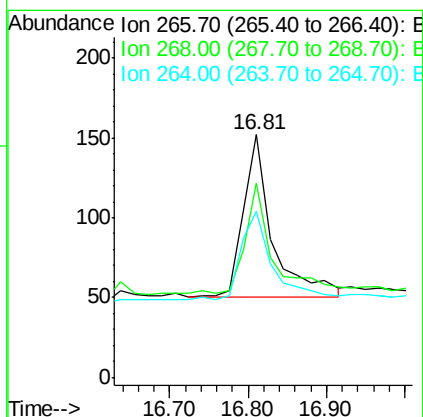
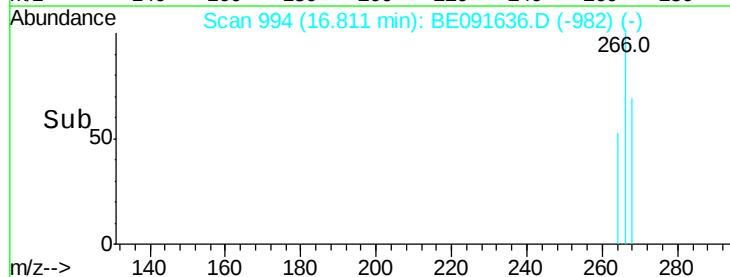
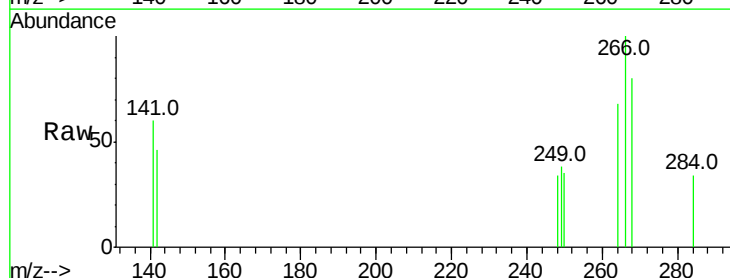
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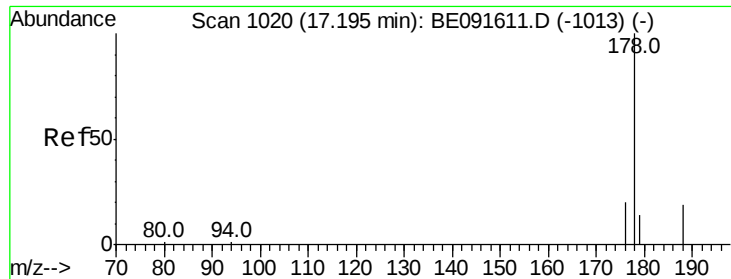
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#22
Pentachlorophenol
Concen: 0.27 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE091636.D
Acq: 11 Apr 2016 19:56

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	80.3	58.2	87.2
264	68.4	56.2	84.4





#23

Phenanthrene

Concen: 0.03 ng

RT: 17.19 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BE091636.D

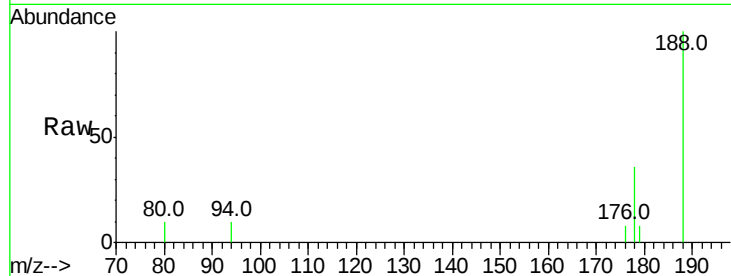
Acq: 11 Apr 2016 19:56

Instrument :

BNA_E

ClientSampleId :

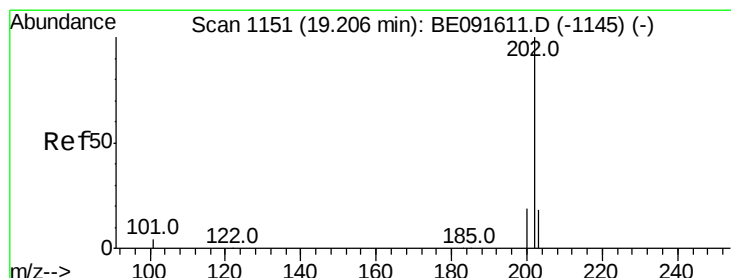
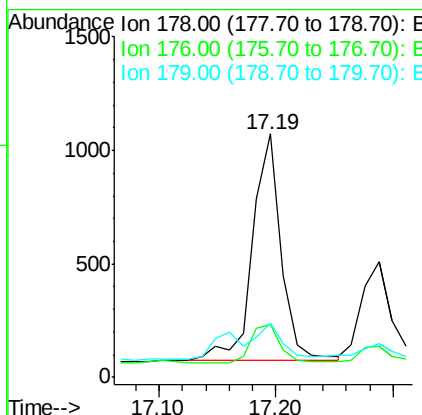
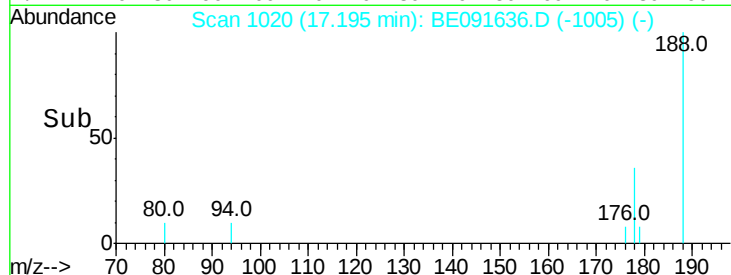
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Tot Ion:	178	Resp:	1701
Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.3	22.9
179	13.9	12.6	18.8

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#25

Fluoranthene

Concen: 0.03 ng

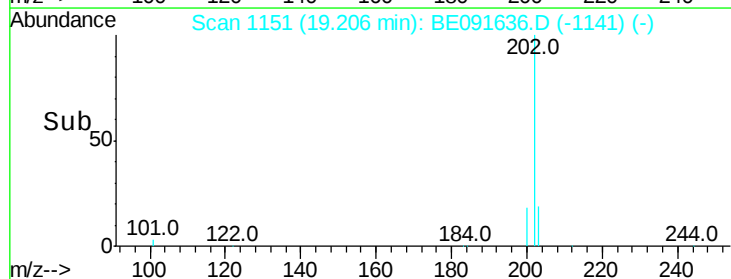
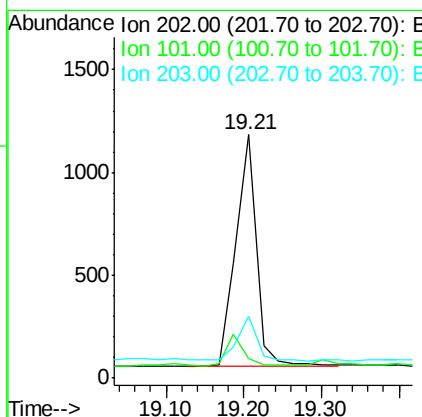
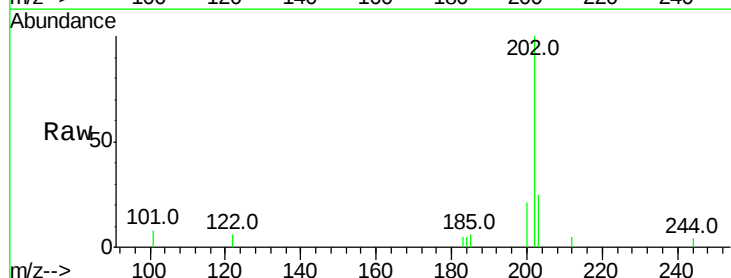
RT: 19.21 min Scan# 1151

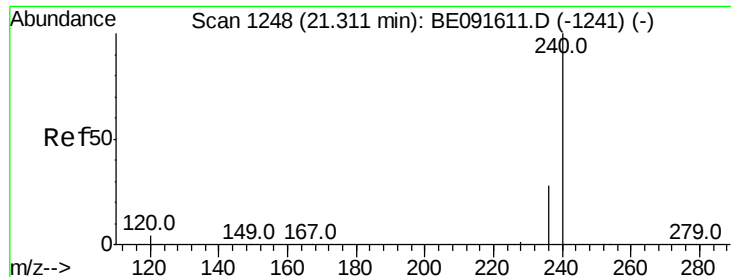
Delta R.T. 0.00 min

Lab File: BE091636.D

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Tgt Ion:	202	Resp:	2074
Ion	Ratio	Lower	Upper
202	100		
101	11.9	11.0	16.6
203	19.2	13.9	20.9





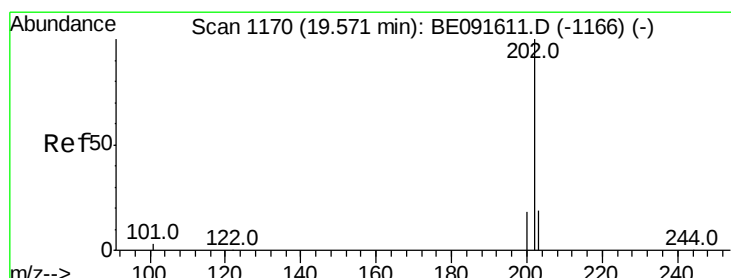
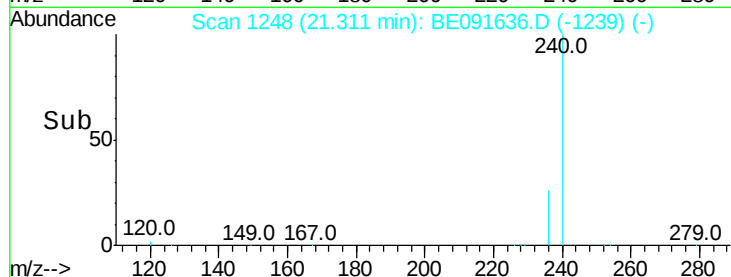
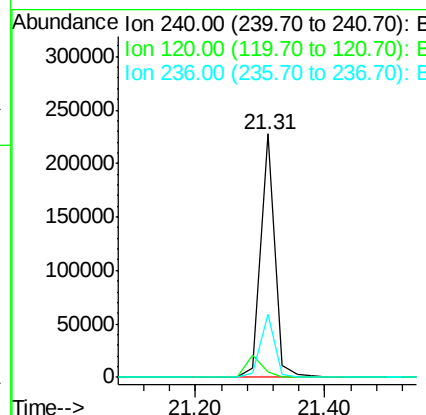
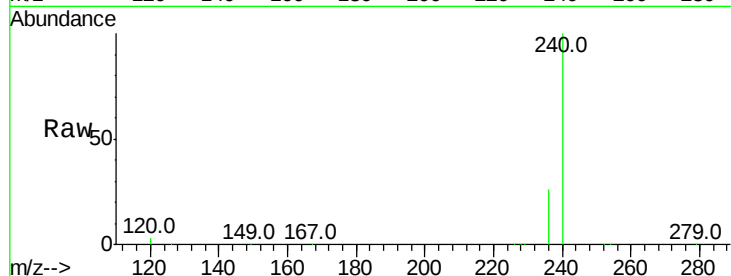
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091636.D
Acq: 11 Apr 2016 19:56

Instrument :
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ClientSampleId :
OUTFALL001-160405

Tot Ion	Ratio	Lower	Upper
240	100		
120	2.5	11.0	16.4#
236	26.1	21.7	32.5

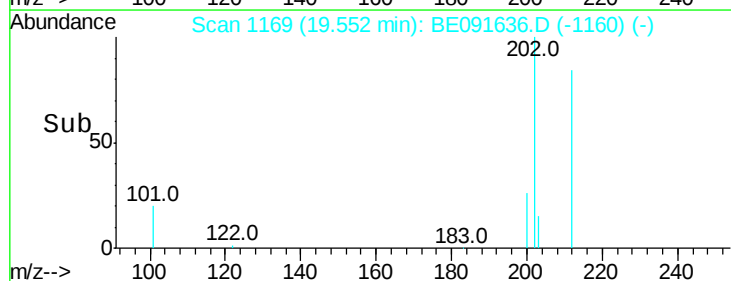
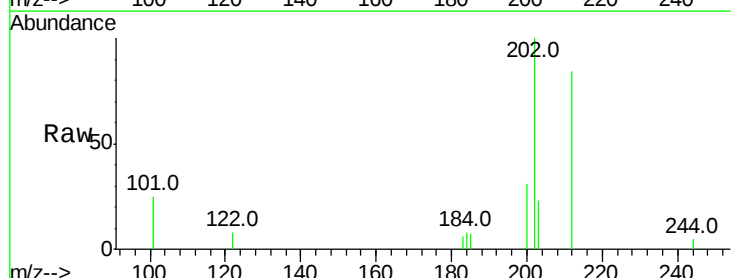
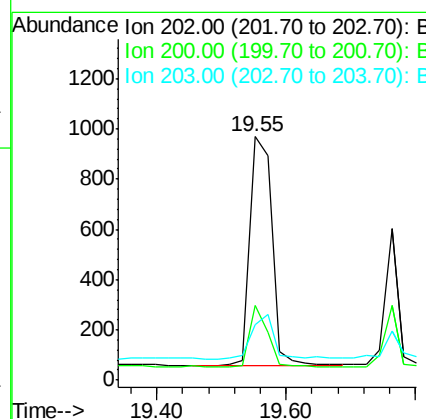
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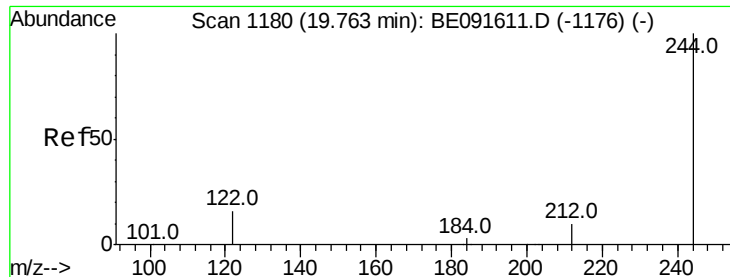
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4/12/2016 5:32:55 PM



#28
Pyrene
Concen: 0.03 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BE091636.D
Acq: 11 Apr 2016 19:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	20.0	14.0	21.0





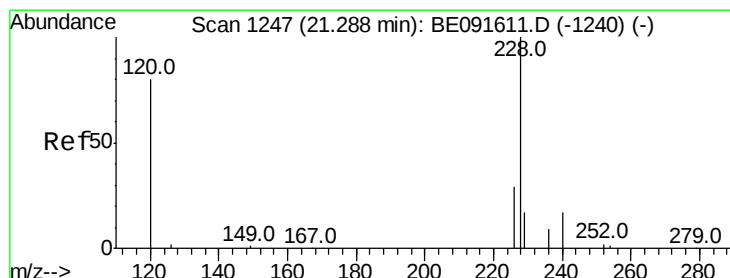
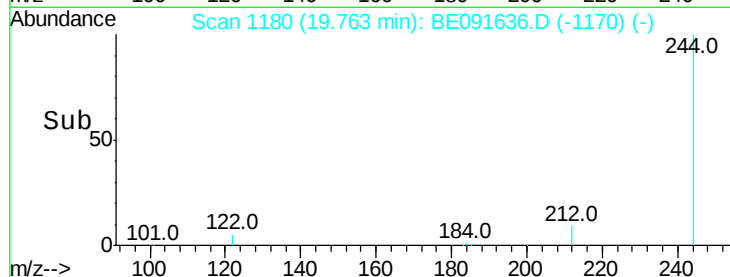
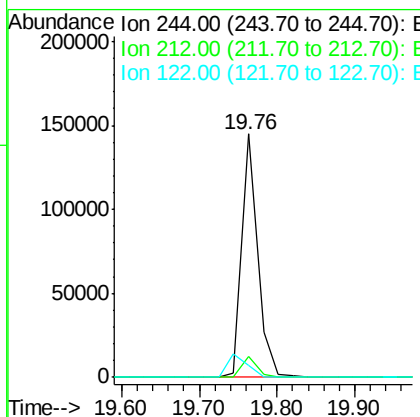
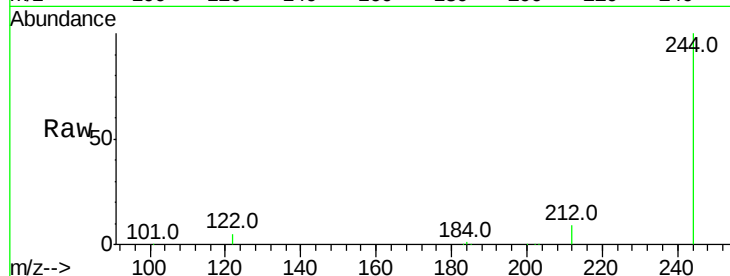
#29
 Terphenyl-d14
 Concen: 4.69 ng
 RT: 19.76 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BE091636.D
 Acq: 11 Apr 2016 19:56

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160405

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.7	6.9	10.3
122	5.0	11.0	16.4

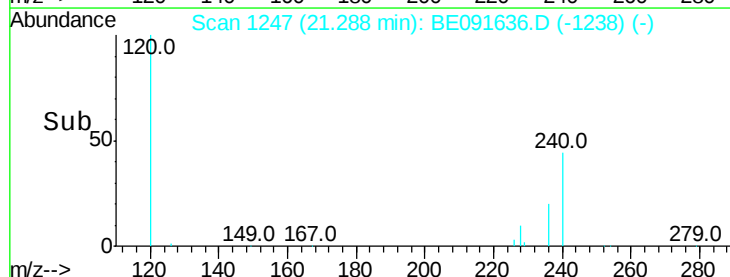
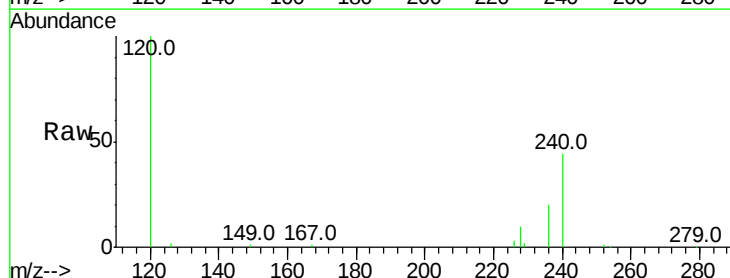
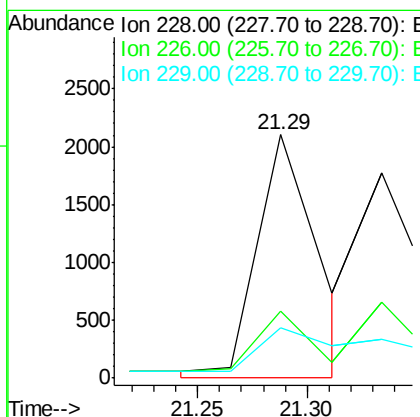
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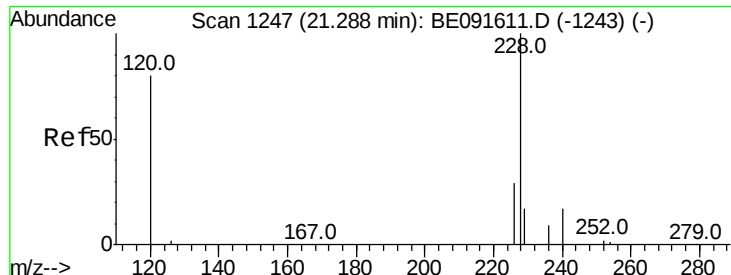
Sohil
 4/12/2016 5:32:55 PM



#30
 Benzo(a)anthracene
 Concen: 0.05 ng m
 RT: 21.29 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: BE091636.D
 Acq: 11 Apr 2016 19:56

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.7	21.0	31.4
229	20.9	15.7	23.5





#32

Chrysene

Concen: 0.06 ng/mL

RT: 21.33 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Instrument :

BNA_E

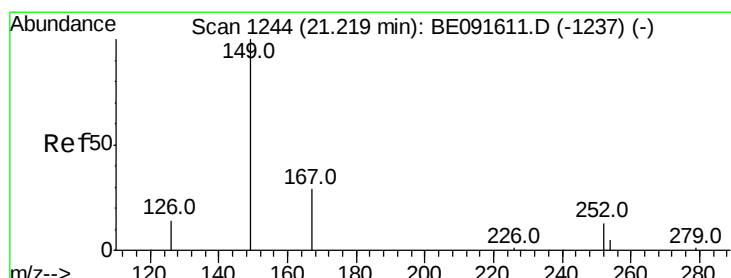
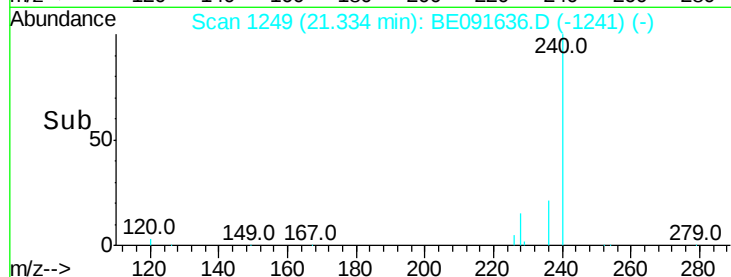
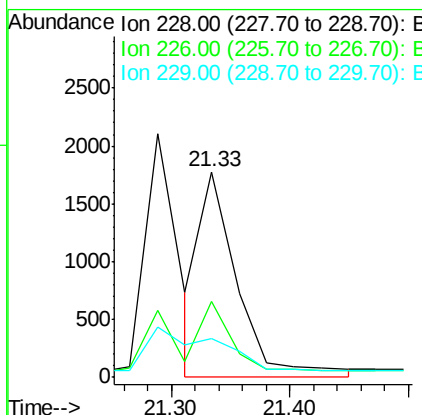
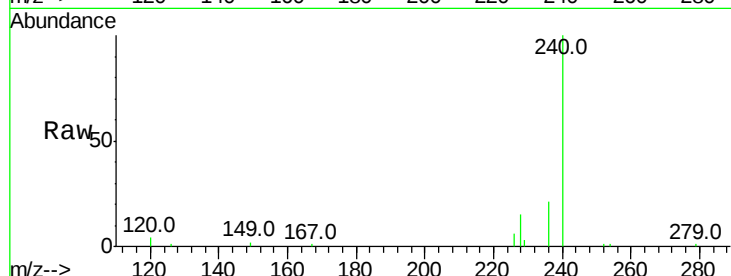
ClientSampleId :

OUTFALL001-160405

Tot Ion:	228	Resp:	3970
Ion	Ratio	Lower	Upper
228	100		
226	36.7	24.0	36.0#
229	18.7	15.9	23.9

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#33

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng/mL

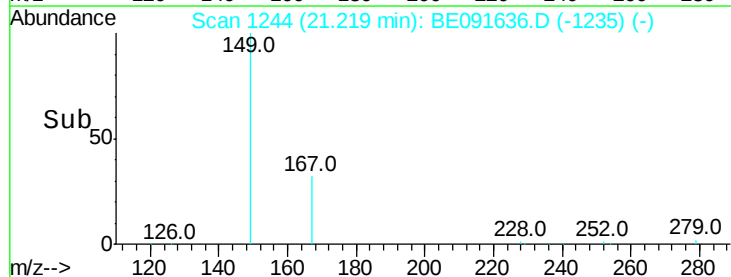
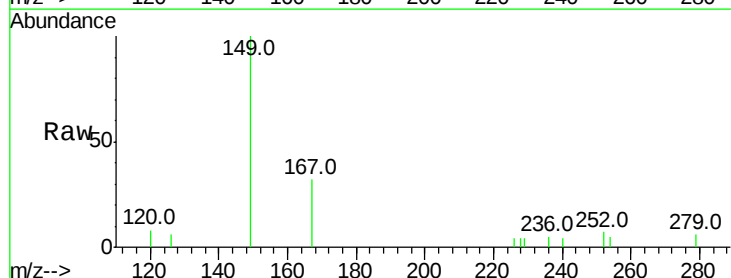
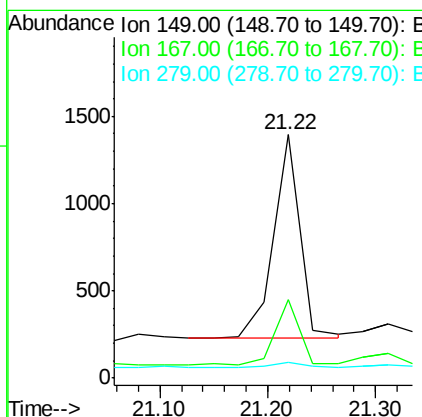
RT: 21.22 min Scan# 1244

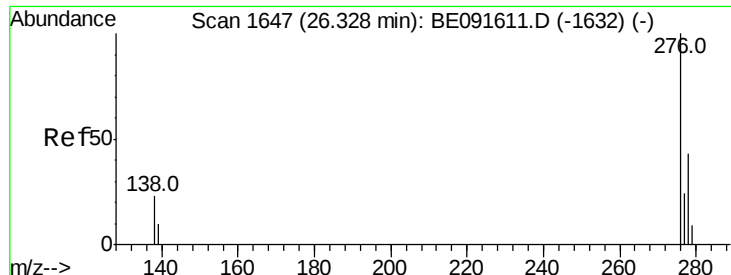
Delta R.T. 0.00 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Tgt Ion:	149	Resp:	2014
Ion	Ratio	Lower	Upper
149	100		
167	29.1	19.5	29.3
279	2.5	10.0	15.0#





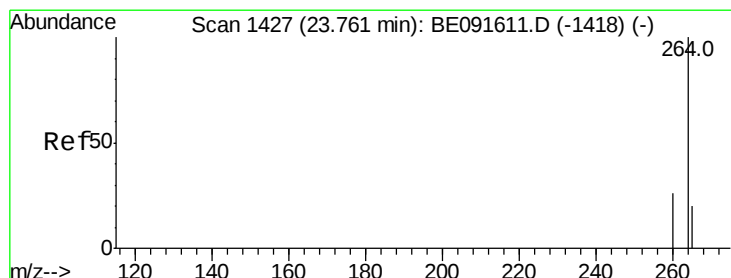
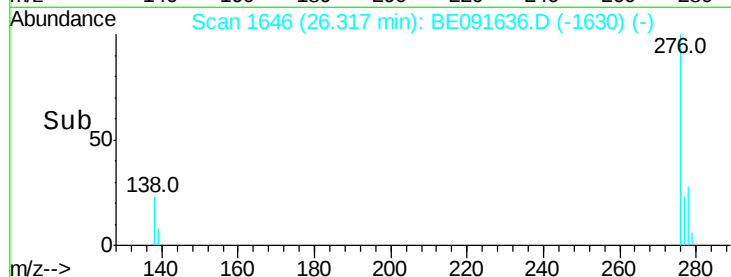
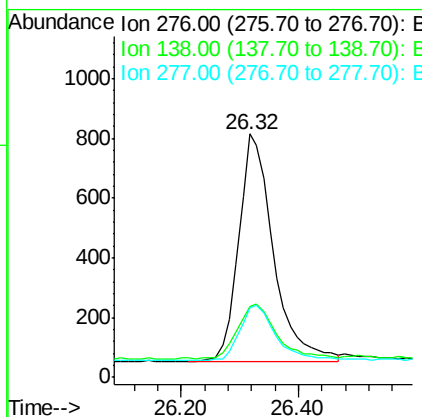
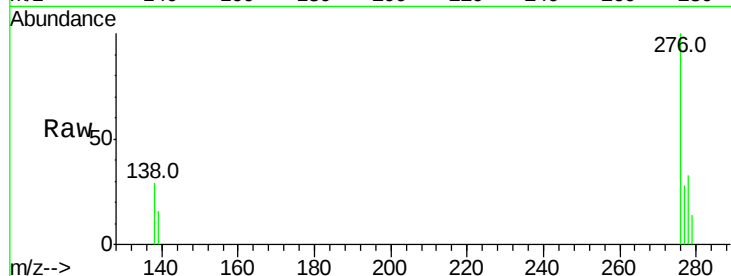
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BE091636.D
 Acq: 11 Apr 2016 19:56

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160405

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	23.4	35.2
277	25.1	19.8	29.8

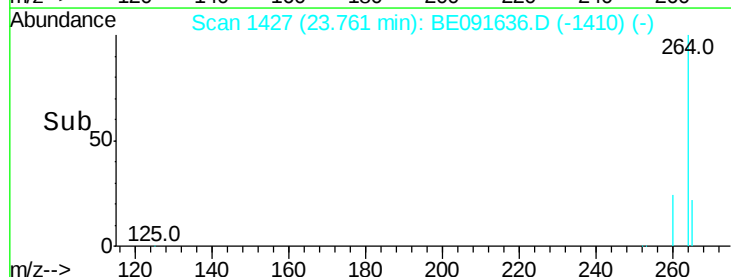
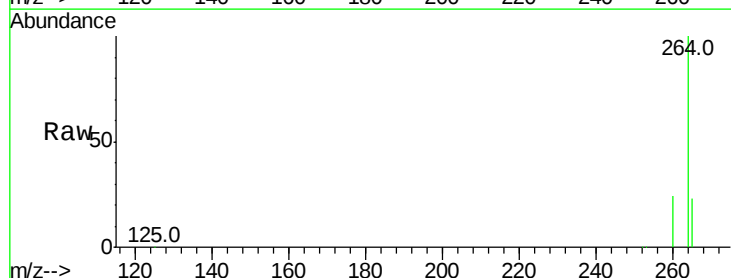
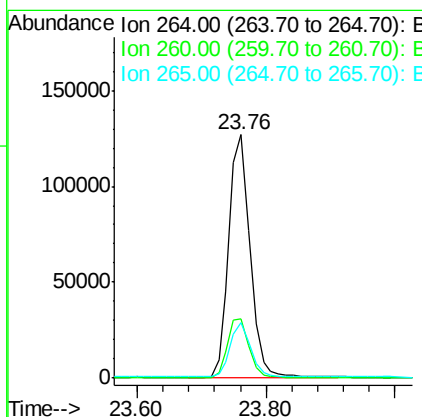
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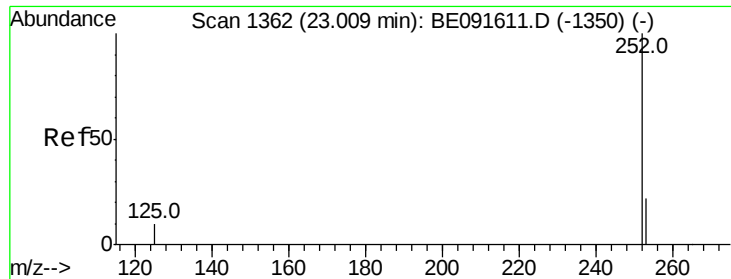
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#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BE091636.D
 Acq: 11 Apr 2016 19:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.0	30.0
265	22.8	17.5	26.3





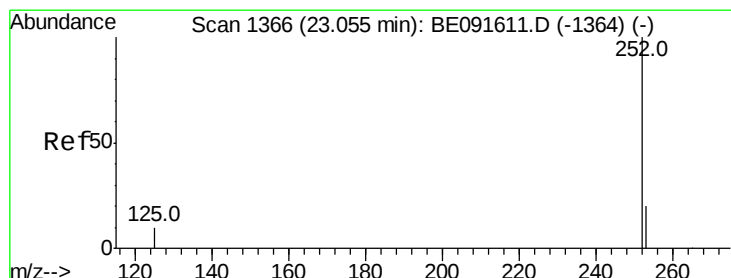
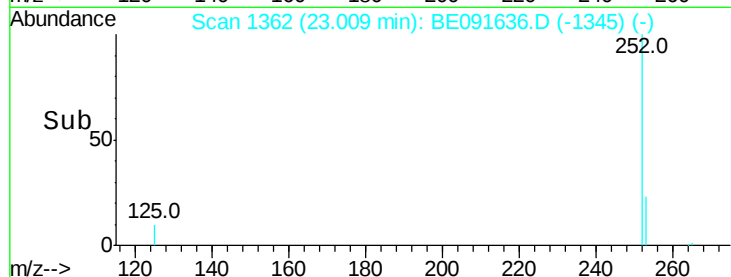
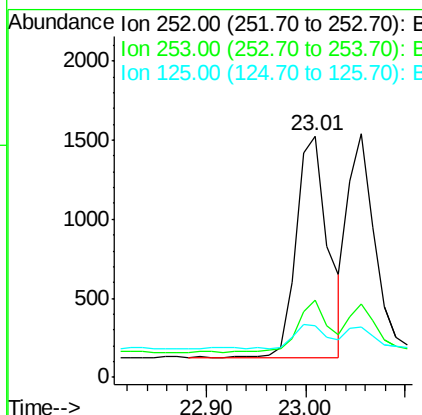
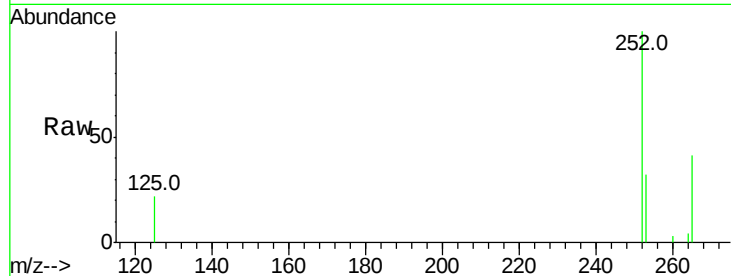
#36
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 23.01 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BE091636.D
Acq: 11 Apr 2016 19:56

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160405

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.4	26.0#
125	21.5	10.2	15.2#

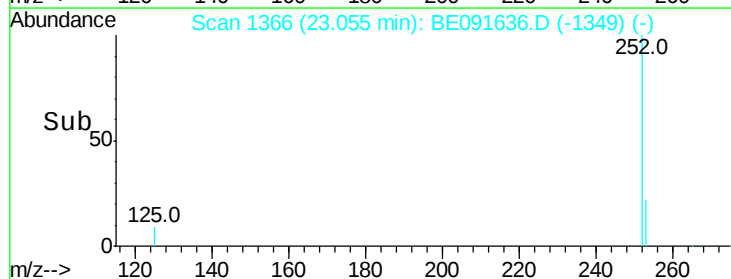
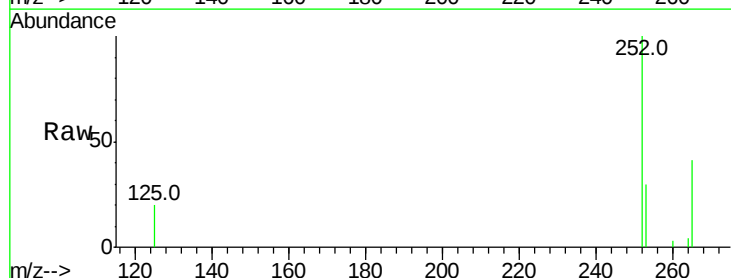
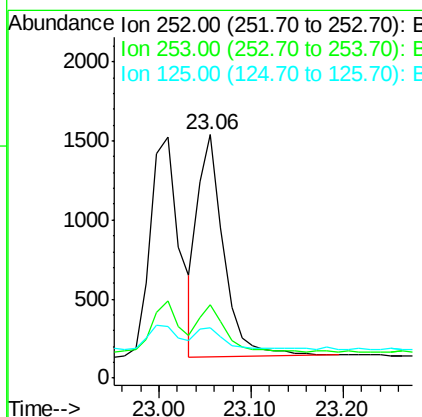
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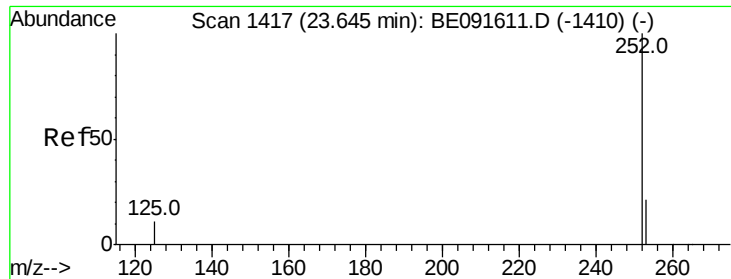
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#37
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091636.D
Acq: 11 Apr 2016 19:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.4	17.6	26.4#
125	20.5	9.9	14.9#





#38

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.65 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Instrument :

BNA_E

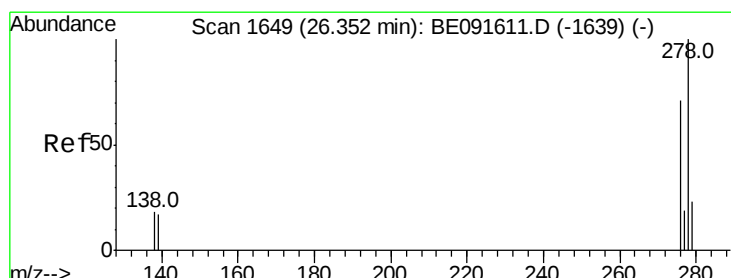
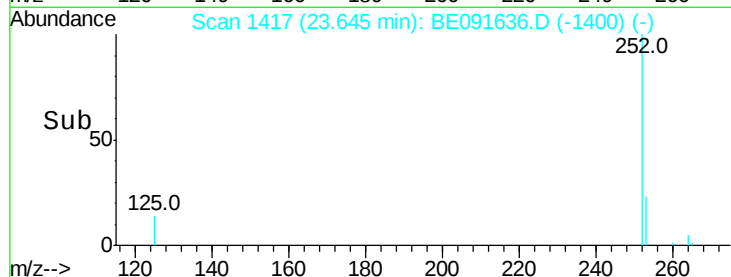
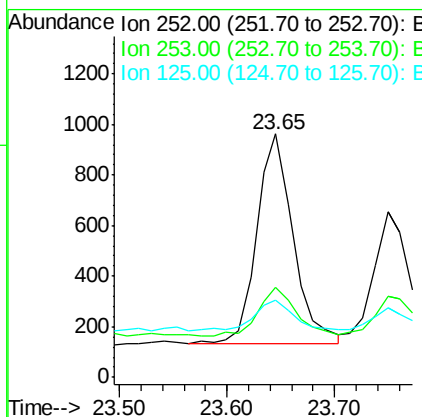
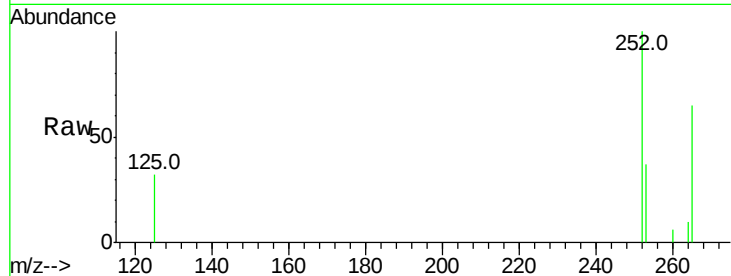
ClientSampleId :

OUTFALL001-160405

Tot Ion:	252	Resp:	1959
Ion Ratio	Lower	Upper	
252	100		
253	37.2	18.1	27.1#
125	31.9	11.0	16.4#

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#39

Dibenzo(a,h)anthracene

Concen: 0.04 ng

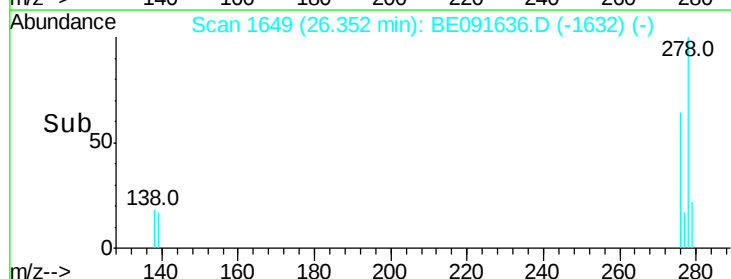
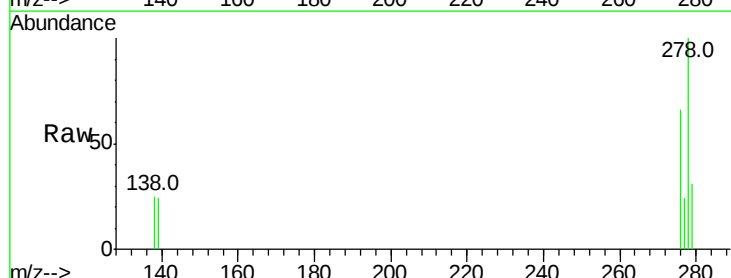
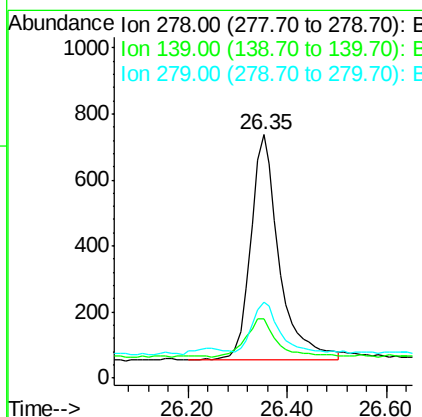
RT: 26.35 min Scan# 1649

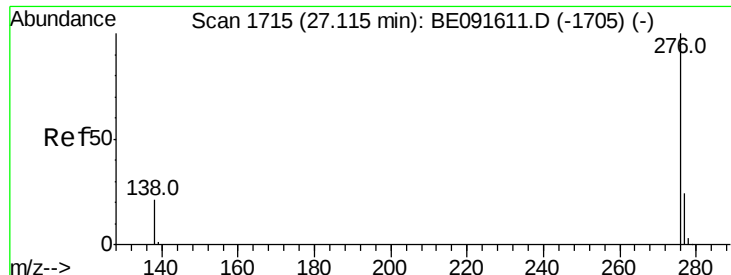
Delta R.T. 0.00 min

Lab File: BE091636.D

Acq: 11 Apr 2016 19:56

Tgt Ion:	278	Resp:	2736
Ion Ratio	Lower	Upper	
278	100		
139	24.3	16.0	24.0#
279	31.2	19.4	29.2#





#40
 Benzo(a,h,i)perylene
 Concen: 0.04 ng
 RT: 27.10 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BE091636.D
 Acq: 11 Apr 2016 19:56

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160405

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.6	18.6	28.0#
138	30.1	20.4	30.6

Manual Integrations
 APPROVED

Sohil
 4/12/2016 5:32:55 PM

