

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091368.D
 Acq On : 15 Jan 2016 2:02
 Operator : UM/IZ
 Sample : H1123-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MS

Manual Integrations
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 1/15/2016 3:39:35 PM

Quant Time: Jan 15 15:18:23 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 23:29:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	22458	5.00	ng	-0.01
4) Naphthalene-d8	9.54	136	103945	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	52528	5.00	ng	0.00
14) Phenanthrene-d10	16.07	188	146491	5.00	ng	-0.01
18) Chrysene-d12	20.22	240	162294	5.00	ng	0.00
24) Perylene-d12	22.10	264	136563	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	30044	8.16	ng	-0.03
3) Phenol-d6	6.53	99	49566	7.64	ng	-0.04
5) Nitrobenzene-d5	8.14	82	33614	5.58	ng	-0.03
9) 2,4,6-Tribromophenol	14.88	330	12738	7.00	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	73275	6.45	ng	-0.02
20) Terphenyl-d14	18.62	244	106478	4.62	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.58	128	104093	4.69	ng	99
7) 2-Methylnaphthalene	11.11	142	61573	4.58	ng	96
11) Acenaphthylene	13.09	152	476056	4.87	ng	99
12) Acenaphthene	13.41	154	73221	4.91	ng	# 77
13) Fluorene	14.40	166	104363	5.00	ng	97
15) Phenanthrene	16.11	178	182569	5.04	ng	99
16) Anthracene	16.19	178	164723	4.71	ng	100
17) Fluoranthene	18.09	202	187564	4.92	ng	99
19) Pyrene	18.47	202	197901	4.95	ng	99
21) Benzo(a)anthracene	20.19	228	181911	5.17	ng	97
22) Chrysene	20.25	228	202049	5.13	ng	99
23) Indeno(1,2,3-cd)pyrene	23.69	276	204991m	5.21	ng	
25) Benzo(b)fluoranthene	21.54	252	178222	5.16	ng	99
26) Benzo(k)fluoranthene	21.57	252	198122	5.07	ng	98
27) Benzo(a)pyrene	22.00	252	167519	4.98	ng	99
28) Dibenzo(a,h)anthracene	23.64	278	159081	5.16	ng	100
29) Benzo(g,h,i)perylene	24.24	276	172265	5.13	ng	99

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

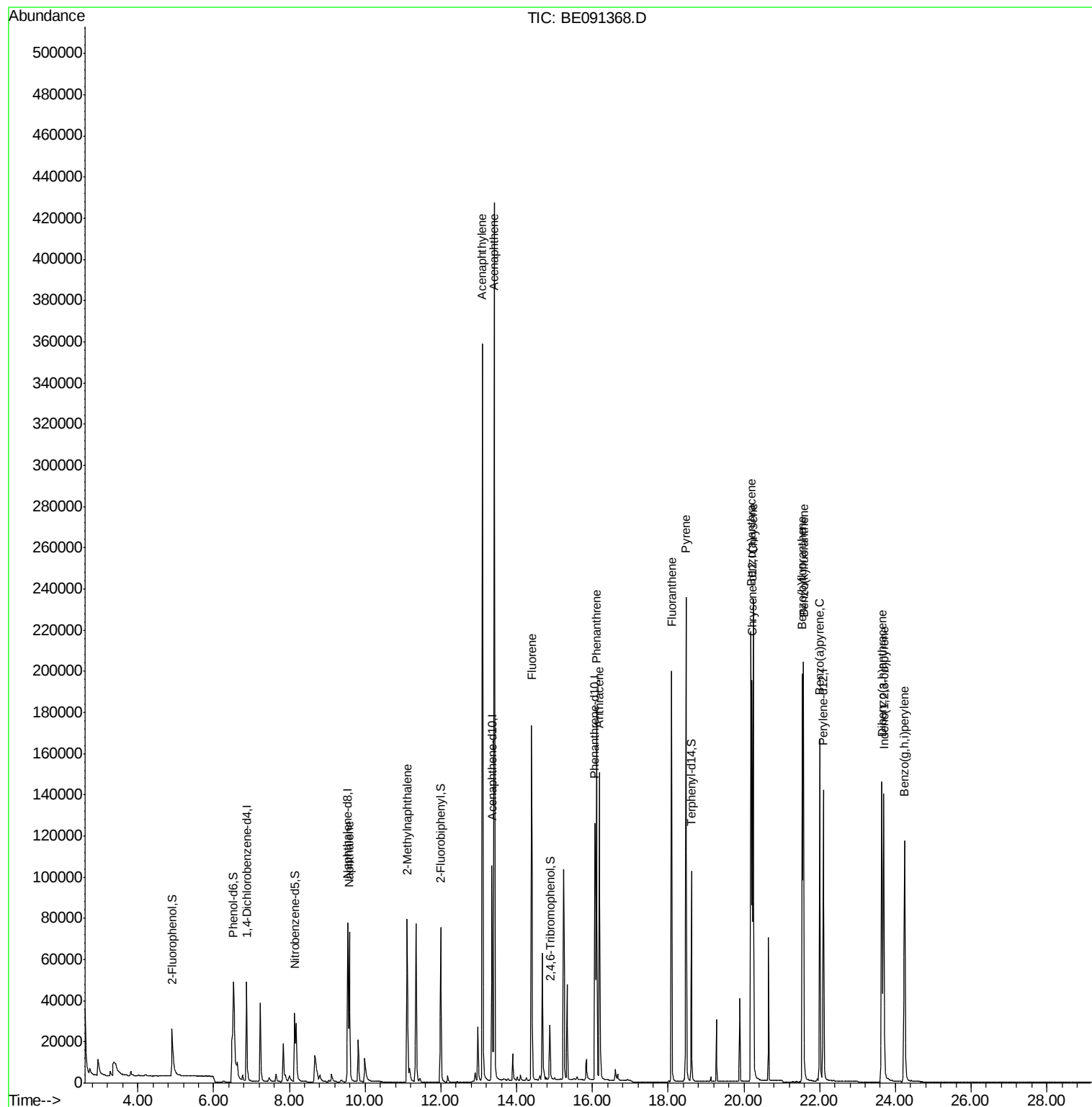
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
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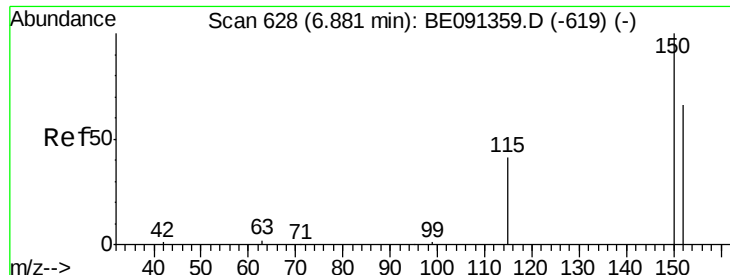
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 626

Delta R.T. -0.01 min

Lab File: BE091368.D

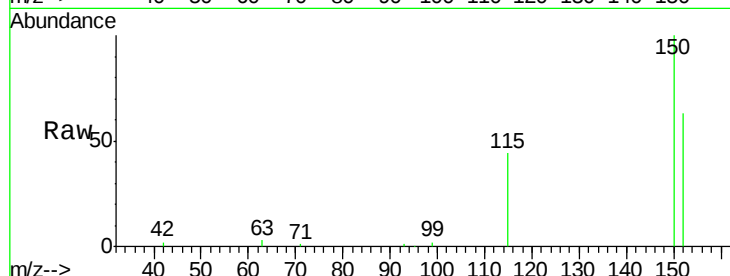
Acq: 15 Jan 2016 2:02

Instrument :

BNA_E

ClientSampleId :

IMPACT-PS-001MS



Tgt Ion:152 Resp: 22458

Ion Ratio Lower Upper

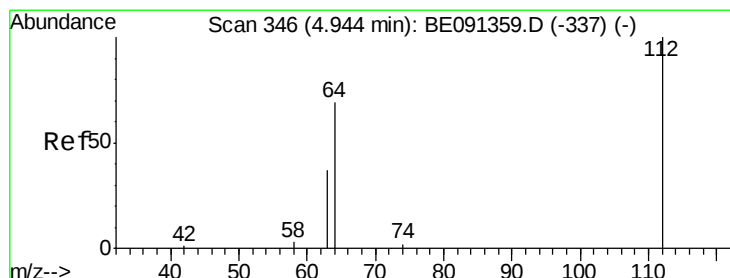
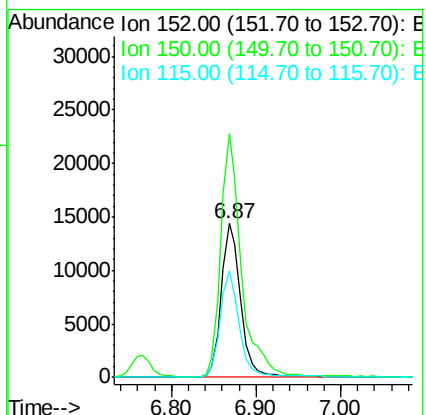
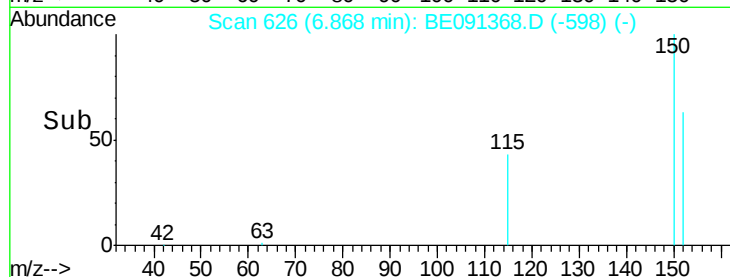
152 100

150 158.4 121.6 182.4

115 69.1 50.6 75.8

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#2

2-Fluorophenol

Concen: 8.16 ng

RT: 4.91 min Scan# 341

Delta R.T. -0.03 min

Lab File: BE091368.D

Acq: 15 Jan 2016 2:02

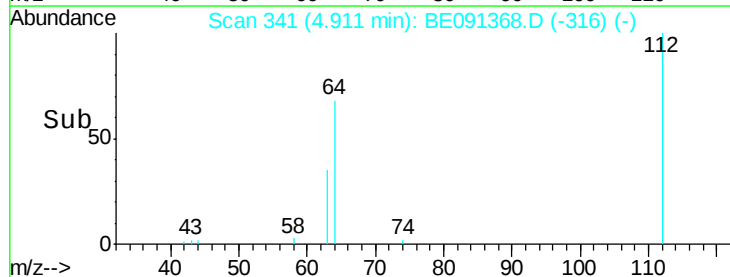
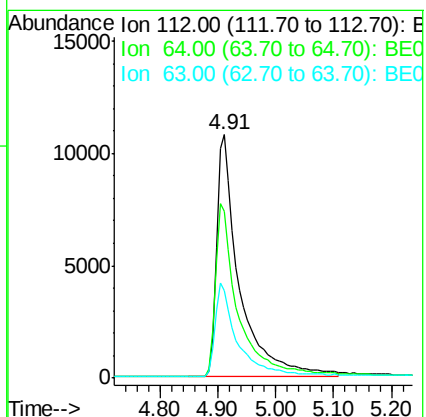
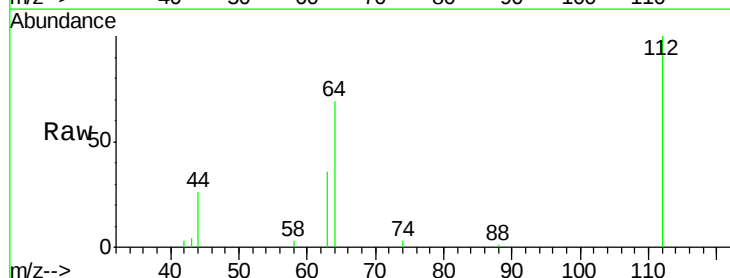
Tgt Ion:112 Resp: 30044

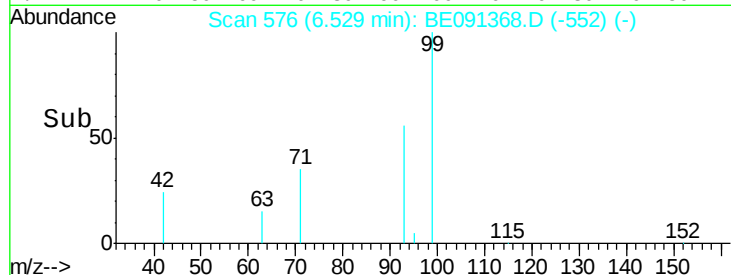
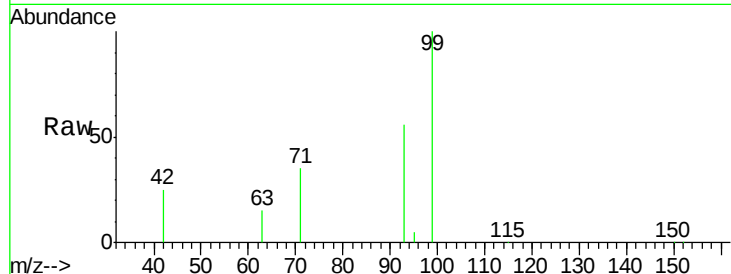
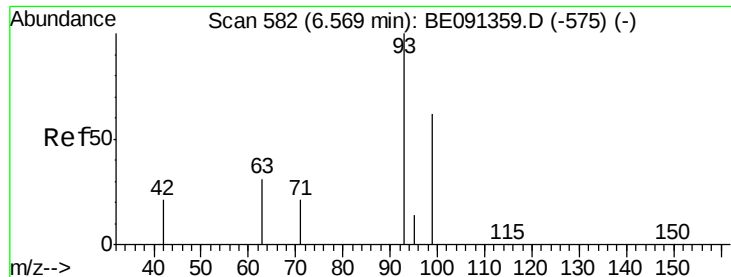
Ion Ratio Lower Upper

112 100

64 71.1 57.4 86.0

63 37.9 32.2 48.2





#3

Phenol-d6

Concen: 7.64 ng

RT: 6.53 min Scan# 576

Delta R.T. -0.04 min

Lab File: BE091368.D

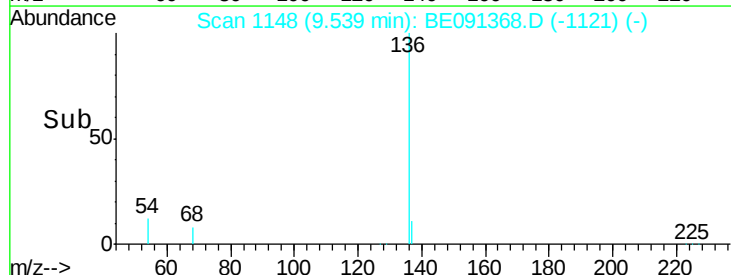
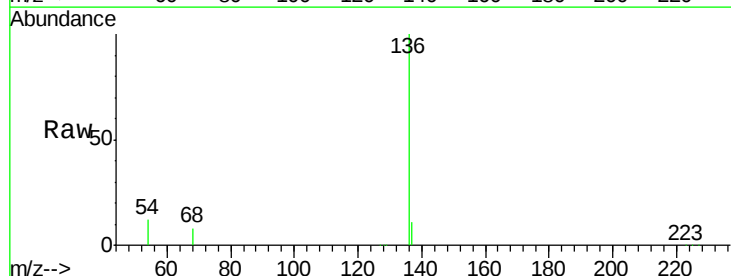
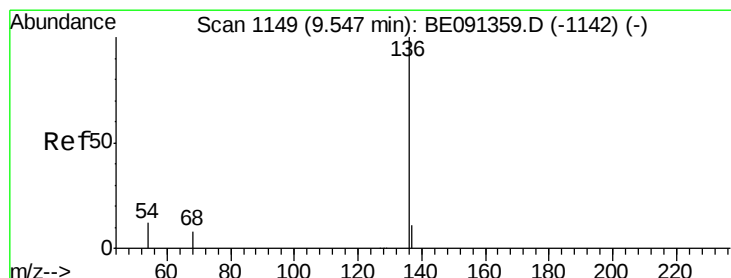
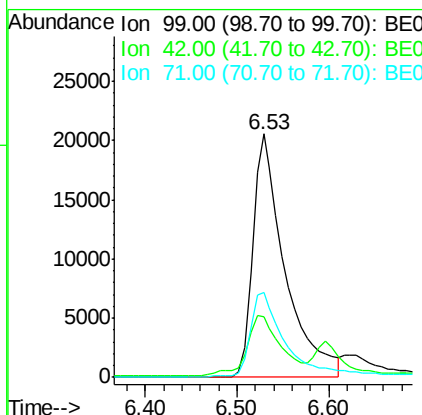
Acq: 15 Jan 2016 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	49566		
42	26.7	22.9	34.3	
71	39.6	35.4	53.2	

Instrument :
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#4

Naphthalene-d8

Concen: 5.00 ng

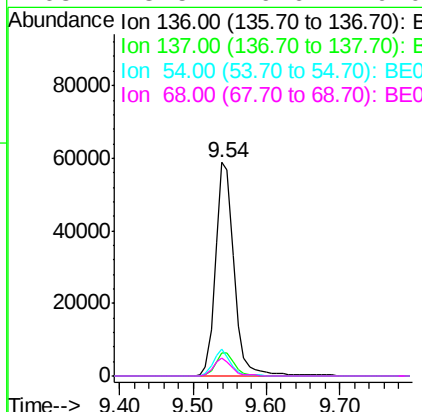
RT: 9.54 min Scan# 1148

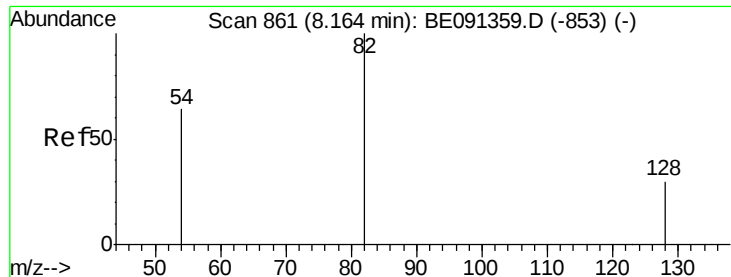
Delta R.T. -0.01 min

Lab File: BE091368.D

Acq: 15 Jan 2016 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	103945		
137	11.0	8.7	13.1	
54	12.4	9.8	14.6	
68	8.5	6.6	10.0	





#5

Nitrobenzene-d5

Concen: 5.58 ng

RT: 8.14 min Scan# 855

Delta R.T. -0.03 min

Lab File: BE091368.D

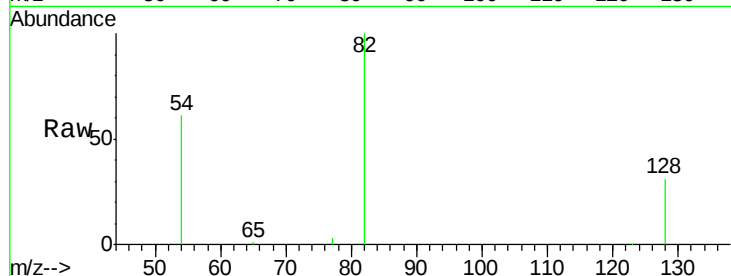
Acq: 15 Jan 2016 2:02

Instrument :

BNA_E

ClientSampleId :

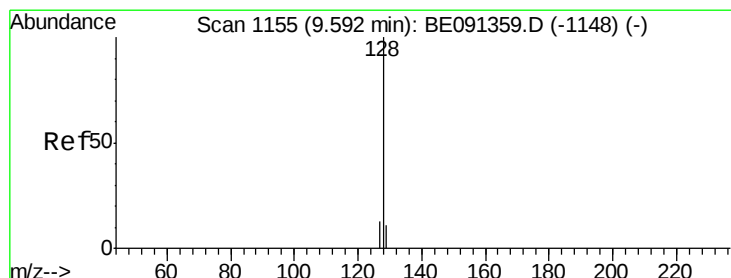
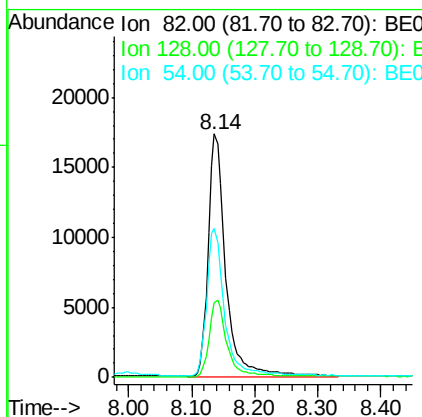
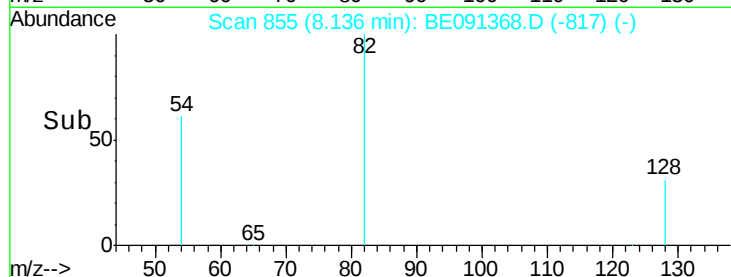
IMPACT-PS-001MS



Tgt Ion	82	Resp:	33614
Ion Ratio	Lower	Upper	
82	100		
128	30.9	24.6	36.8
54	61.0	52.7	79.1

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#6

Naphthalene

Concen: 4.69 ng

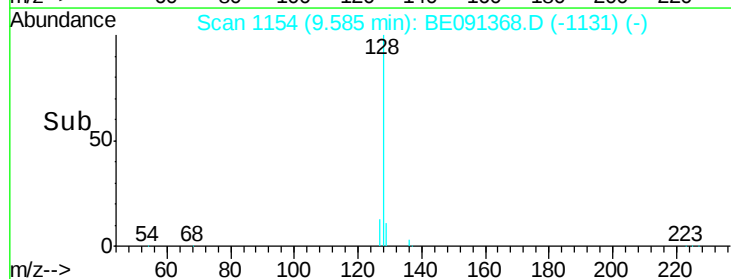
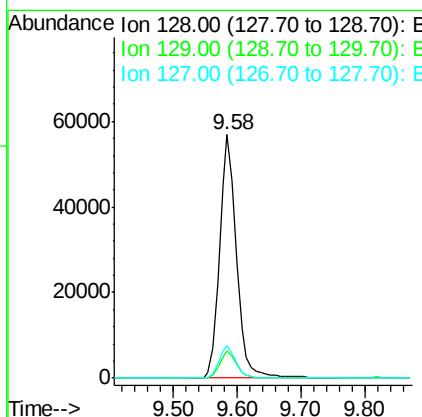
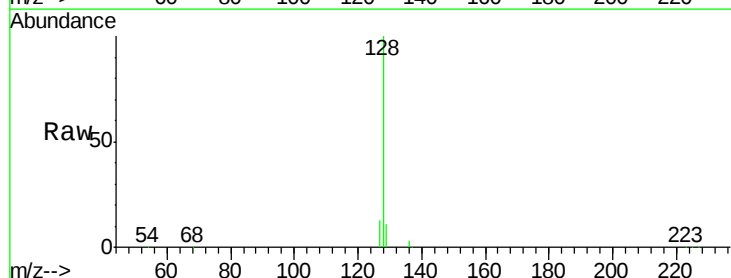
RT: 9.58 min Scan# 1154

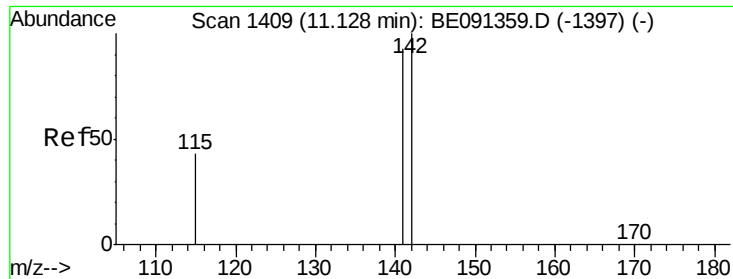
Delta R.T. -0.01 min

Lab File: BE091368.D

Acq: 15 Jan 2016 2:02

Tgt Ion	128	Resp:	104093
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.3	13.9
127	13.1	10.6	15.8





#7

2-Methylnaphthalene

Concen: 4.58 ng

RT: 11.11 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BE091368.D

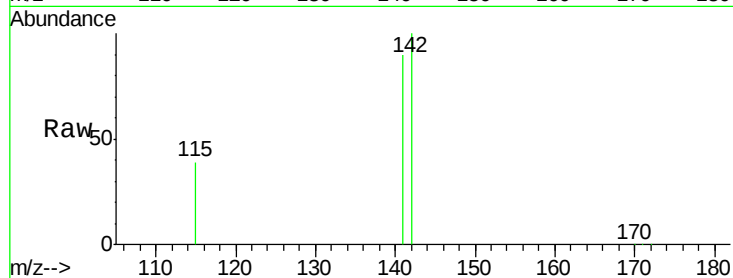
Acq: 15 Jan 2016 2:02

Instrument :

BNA_E

ClientSampleId :

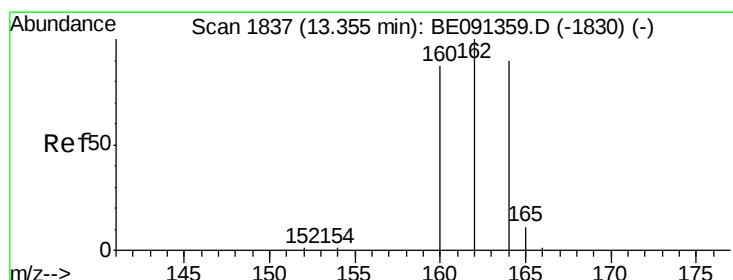
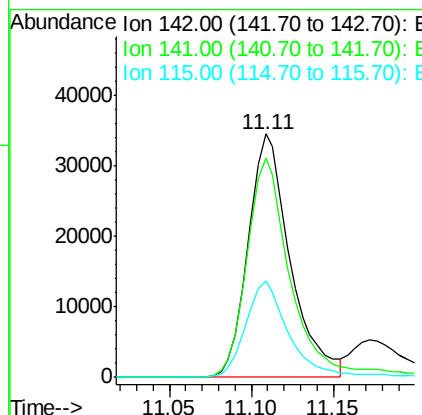
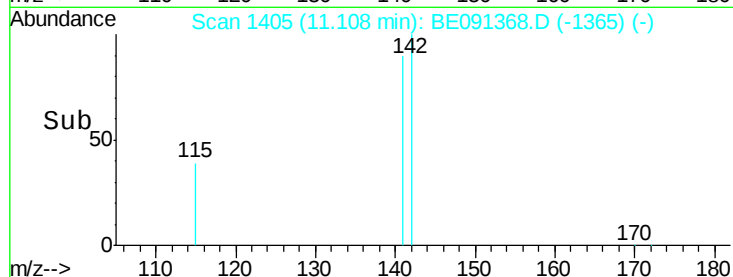
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Tgt Ion:	142	Resp:	61573
Ion Ratio	Lower	Upper	
142	100		
141	90.1	74.5	111.7
115	39.3	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

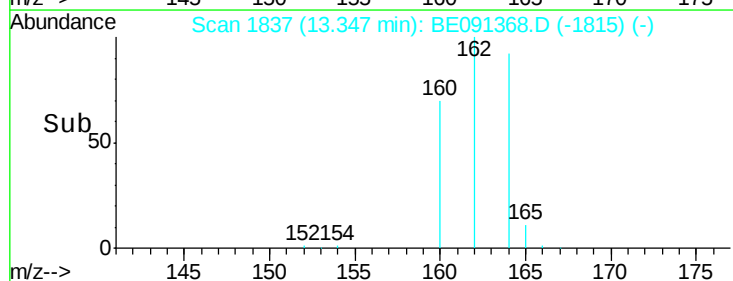
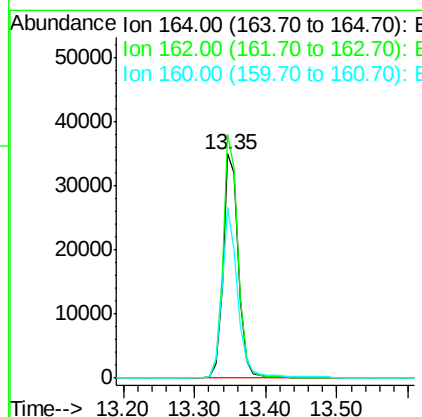
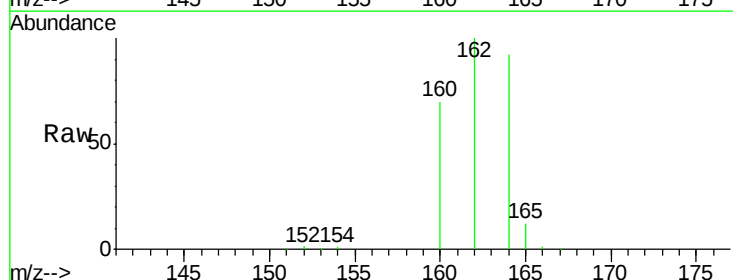
RT: 13.35 min Scan# 1837

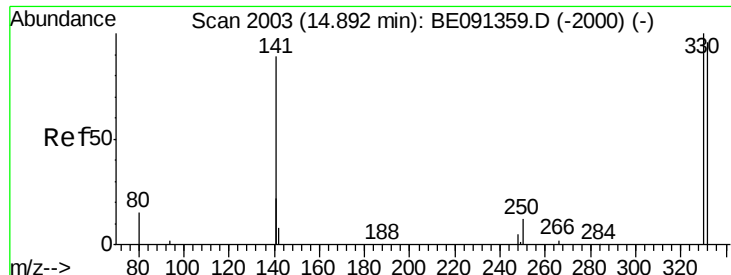
Delta R.T. -0.01 min

Lab File: BE091368.D

Acq: 15 Jan 2016 2:02

Tgt Ion:	164	Resp:	52528
Ion Ratio	Lower	Upper	
164	100		
162	108.8	88.5	132.7
160	76.5	76.7	115.1#





#9

2,4,6-Tribromophenol

Concen: 7.00 ng

RT: 14.88 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BE091368.D

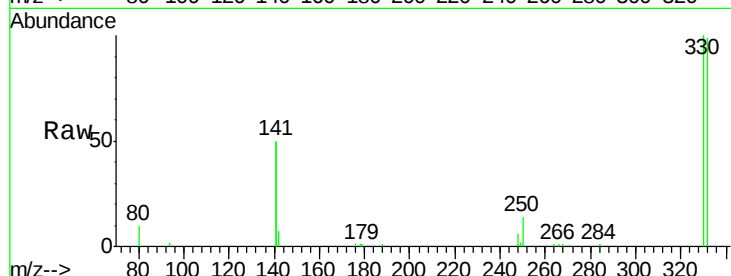
Acq: 15 Jan 2016 2:02

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:330 Resp: 12738

Ion Ratio Lower Upper

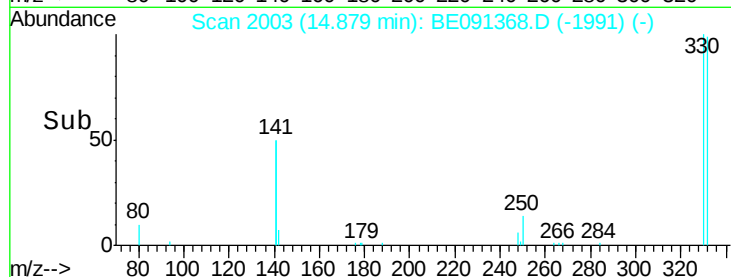
330 100

332 96.7 78.6 118.0

141 207.5 147.8 221.8

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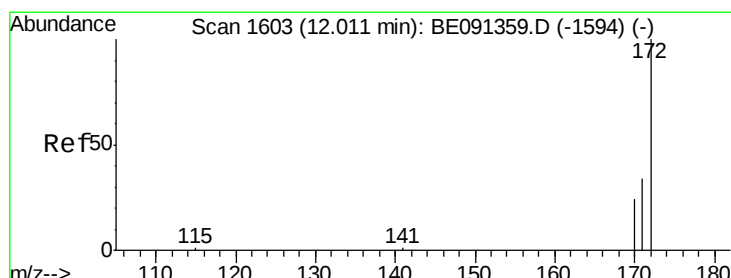
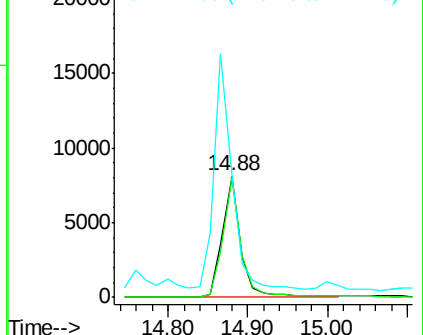
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#10

2-Fluorobiphenyl

Concen: 6.45 ng

RT: 12.00 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BE091368.D

Acq: 15 Jan 2016 2:02

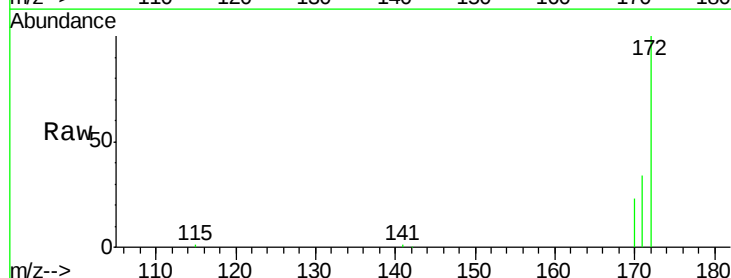
Tgt Ion:172 Resp: 73275

Ion Ratio Lower Upper

172 100

171 33.9 27.3 40.9

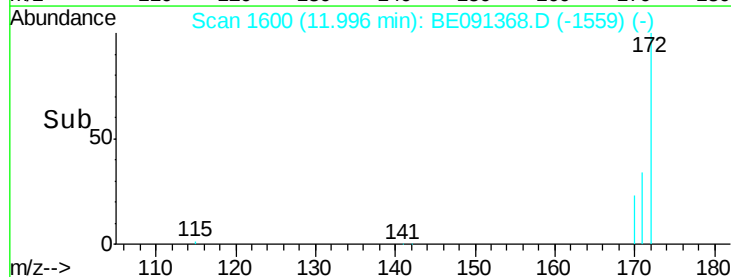
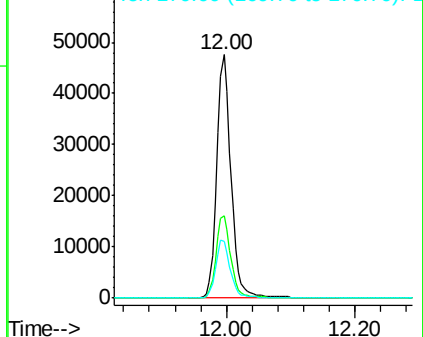
170 23.3 19.8 29.6

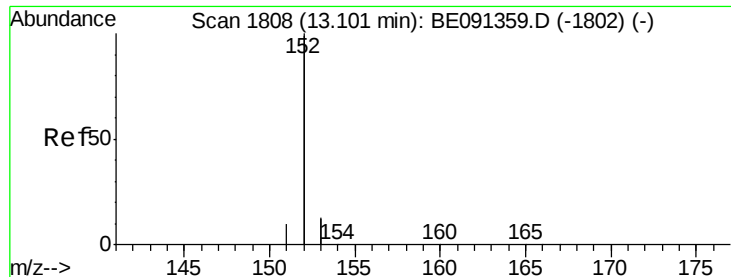


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





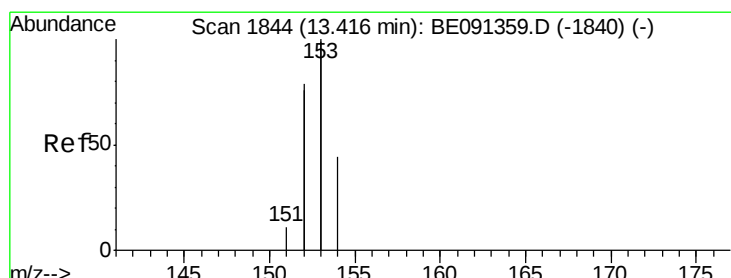
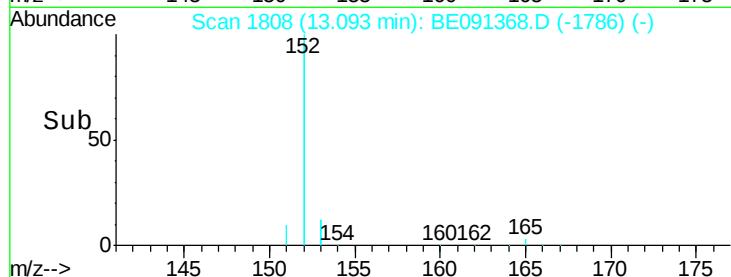
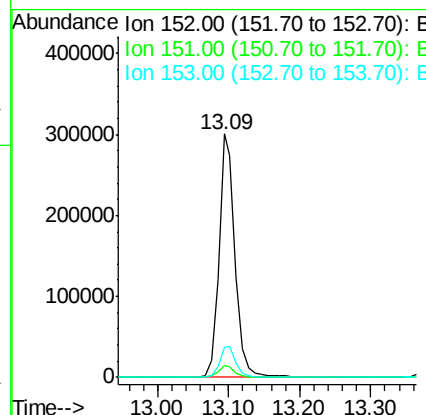
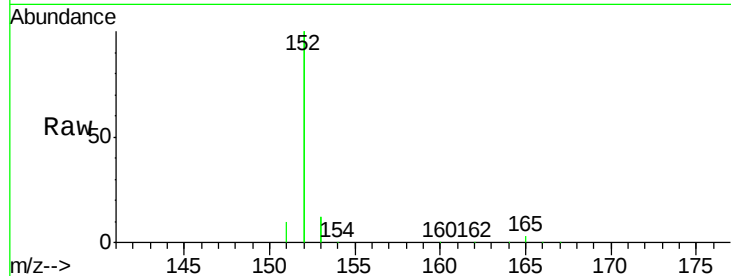
#11
Acenaphthylene
Concen: 4.87 ng
RT: 13.09 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BE091368.D
Acq: 15 Jan 2016 2:02

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IMPACT-PS-001MS

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.9	10.1	15.1

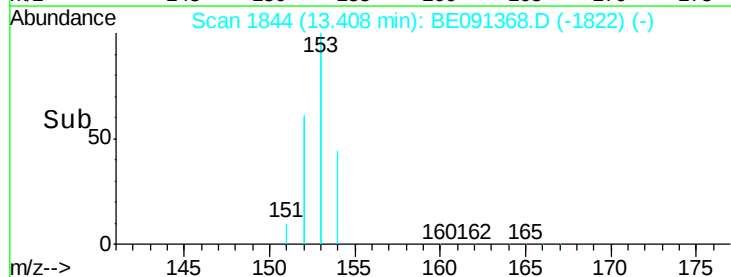
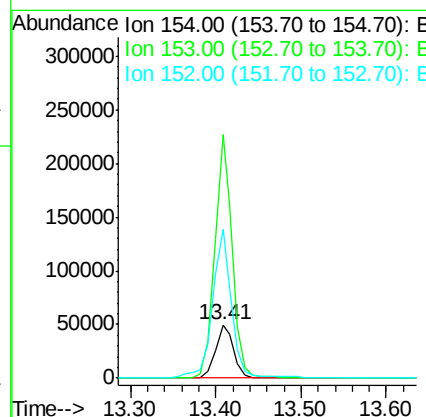
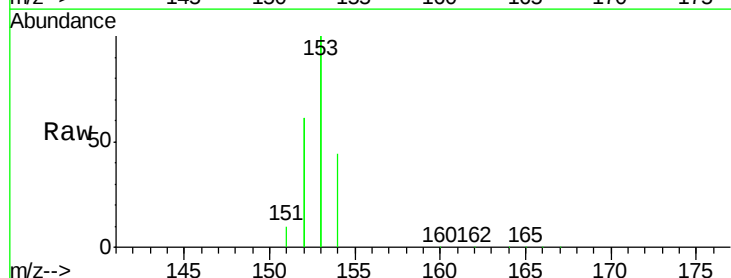
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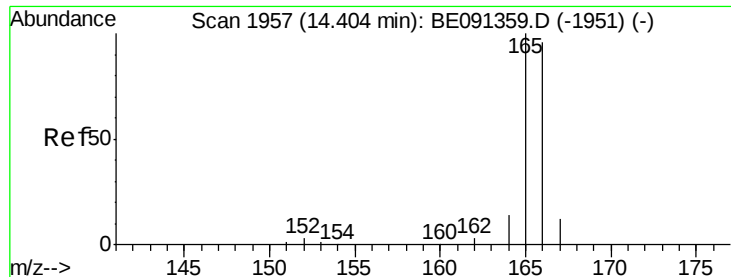
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#12
Acenaphthene
Concen: 4.91 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BE091368.D
Acq: 15 Jan 2016 2:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	445.6	370.2	555.4
152	290.4	310.5	465.7#





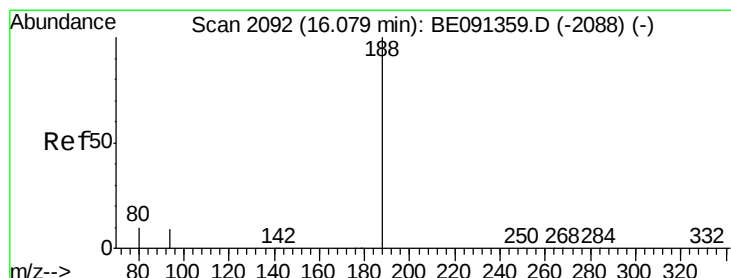
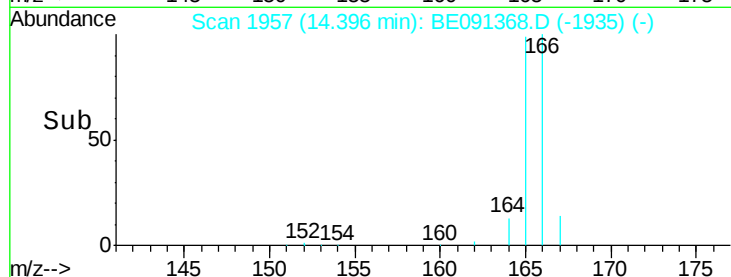
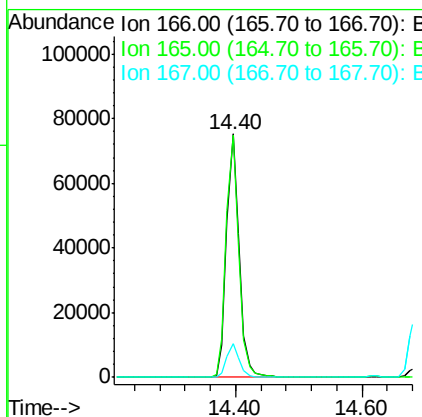
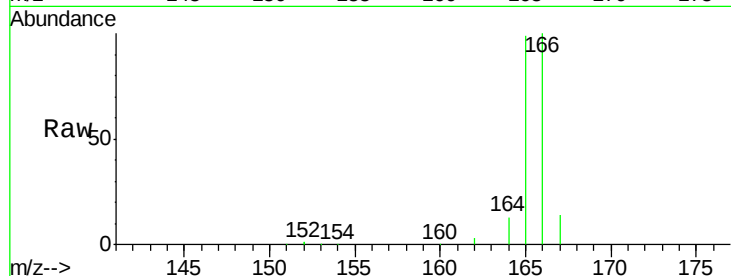
#13
Fluorene
 Concen: 5.00 ng
 RT: 14.40 min Scan# 1957
 Delta R.T. -0.01 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	83.0	124.6
167	13.5	11.1	16.7

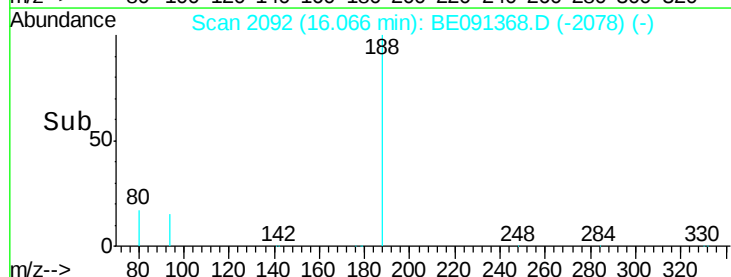
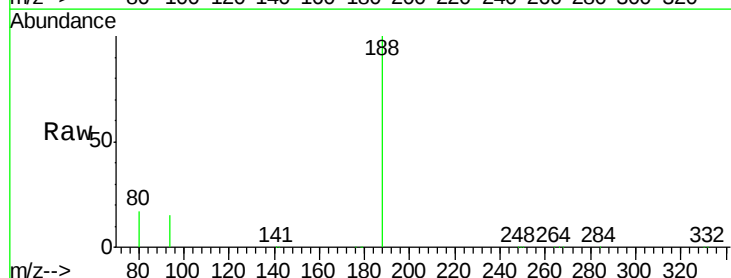
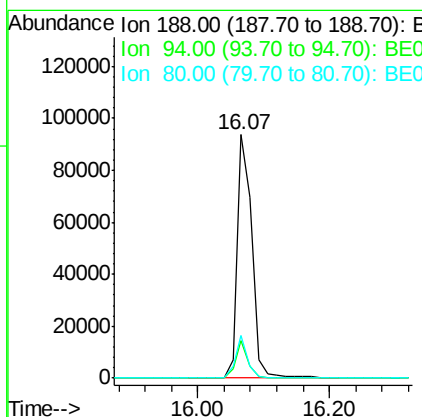
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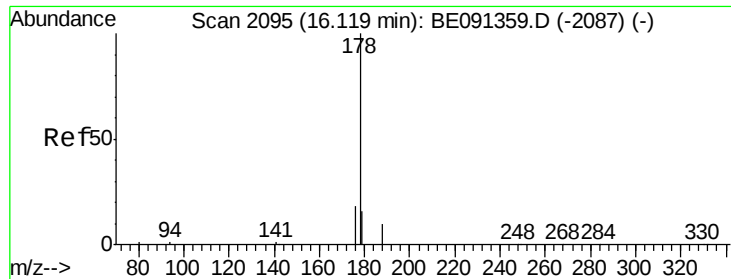
mohammad
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#14
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.07 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.3	7.5	11.3#
80	17.3	8.2	12.2#





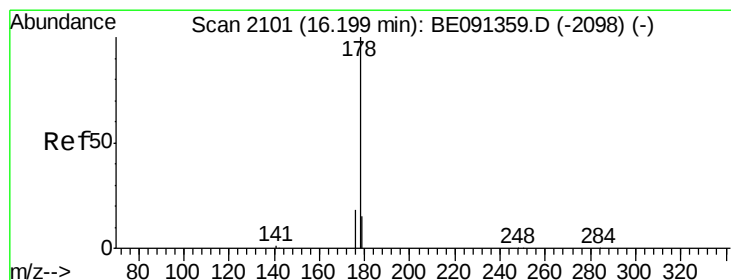
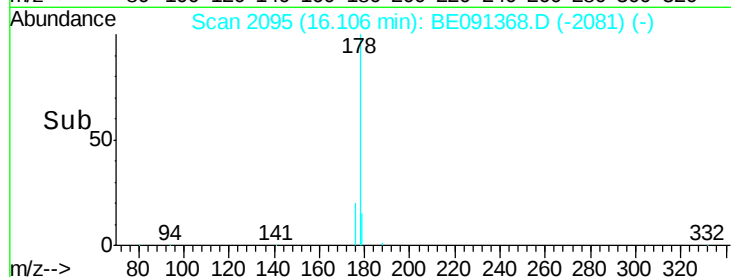
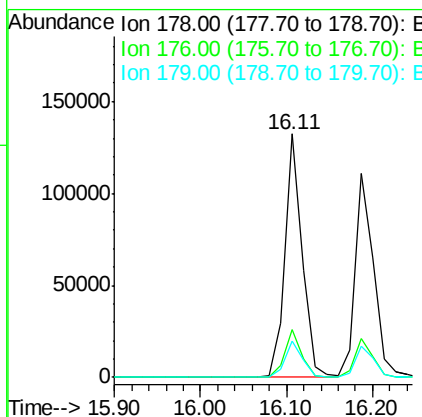
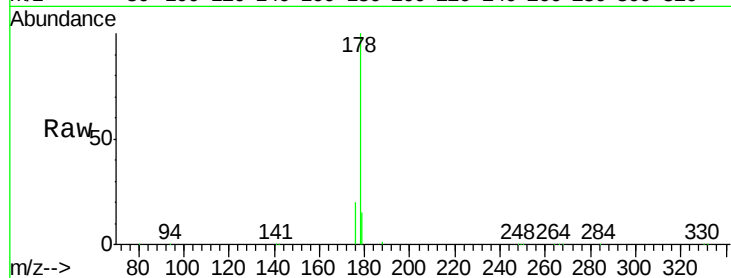
#15
Phenanthrene
Concen: 5.04 ng
RT: 16.11 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BE091368.D
Acq: 15 Jan 2016 2:02

Instrument :
BNA_E
ClientSampleId :
IMPACT-PS-001MS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.2	12.8	19.2

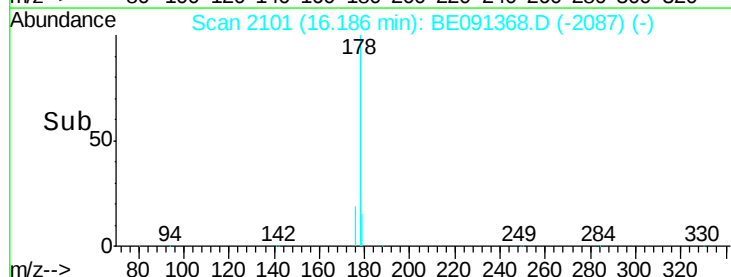
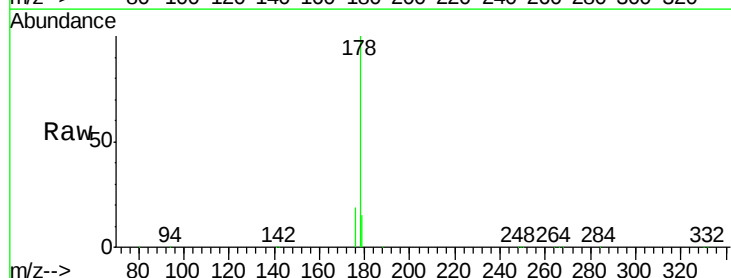
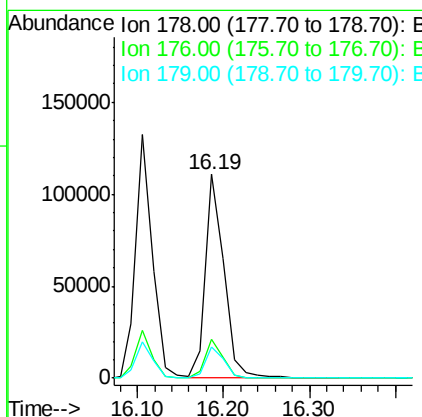
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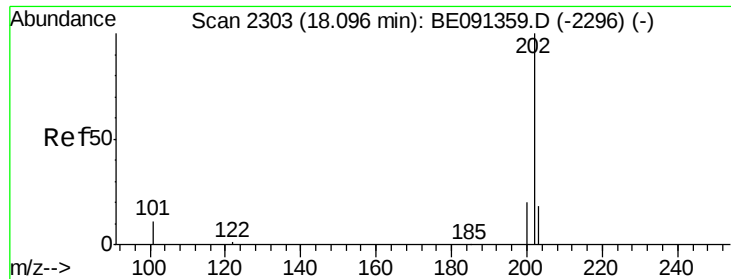
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#16
Anthracene
Concen: 4.71 ng
RT: 16.19 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BE091368.D
Acq: 15 Jan 2016 2:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.7	12.4	18.6





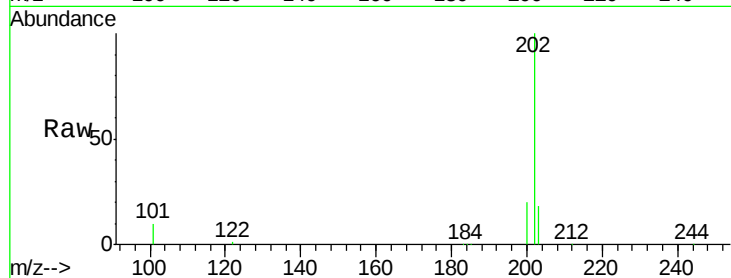
#17
Fluoranthene
 Concen: 4.92 ng
 RT: 18.09 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MS

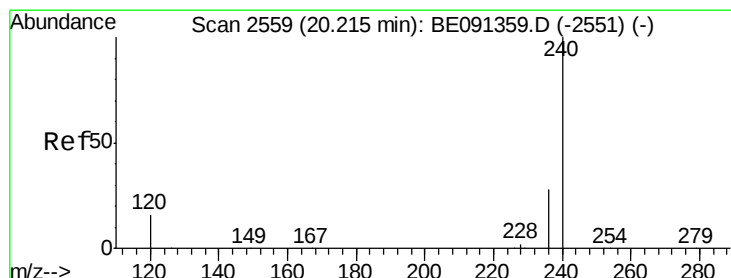
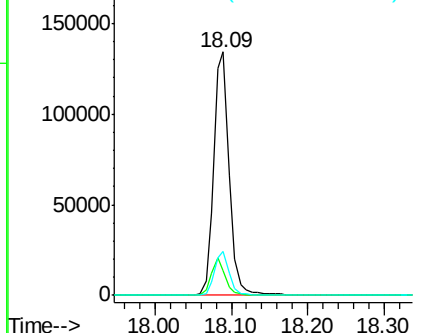
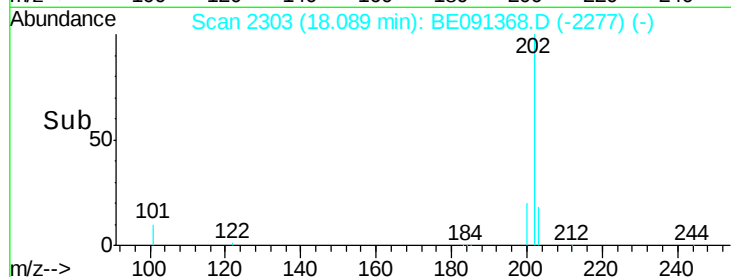
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.0	11.0	16.4
203	17.1	13.9	20.9

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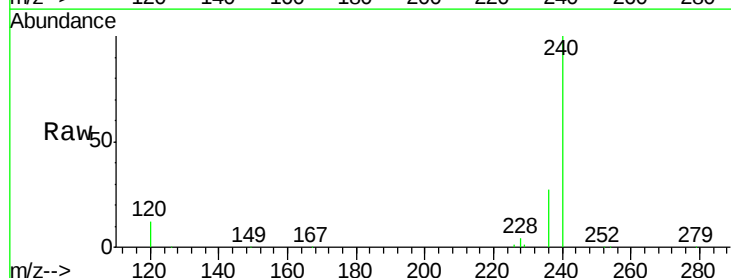


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

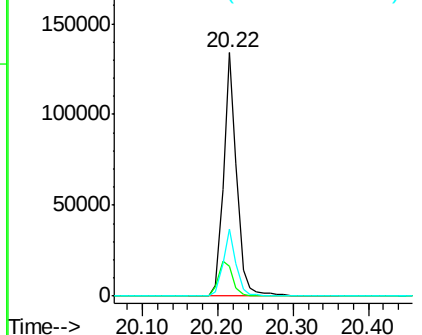
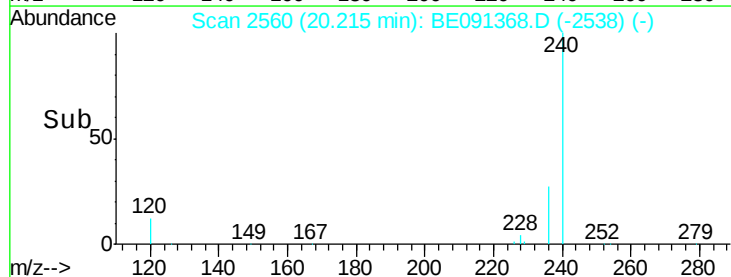


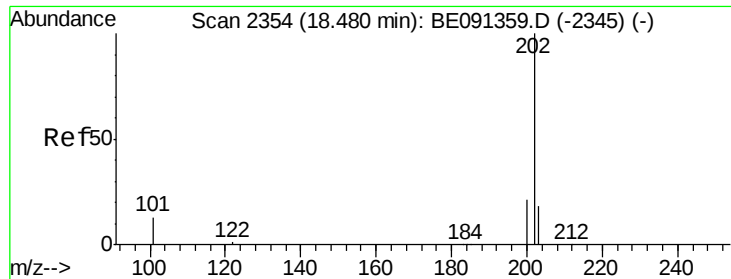
#18
Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.2	12.6	19.0#
236	27.3	22.7	34.1



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





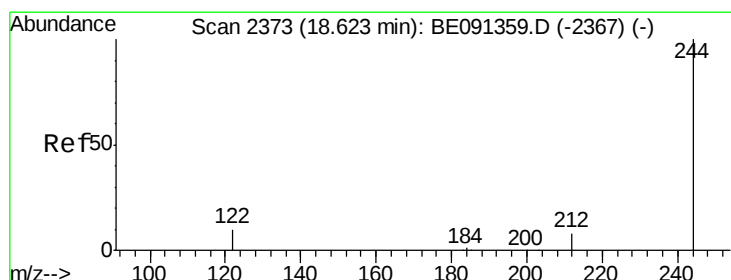
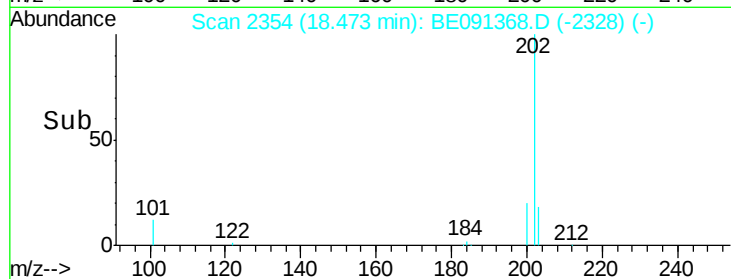
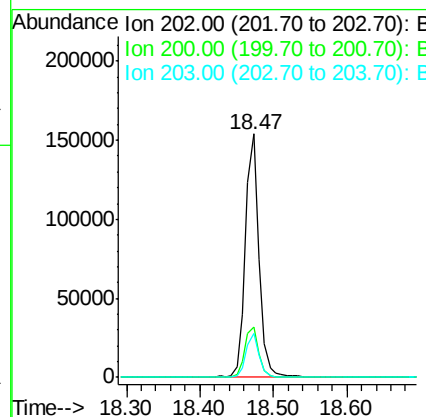
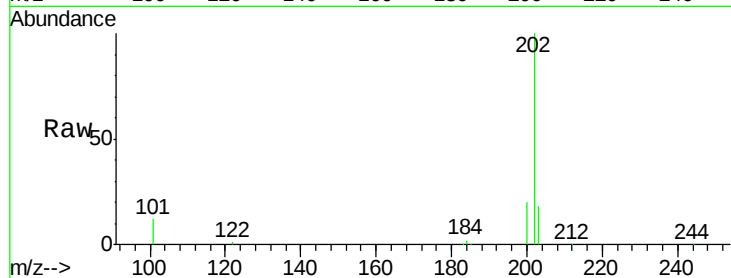
#19
 Pyrene
 Concen: 4.95 ng
 RT: 18.47 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MS

Tgt Ion:	202	Resp:	197901
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.2	14.2	21.4

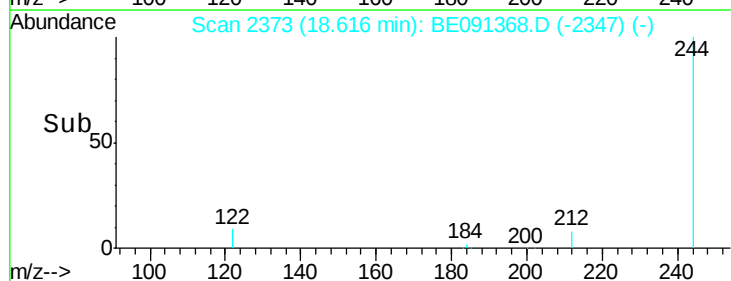
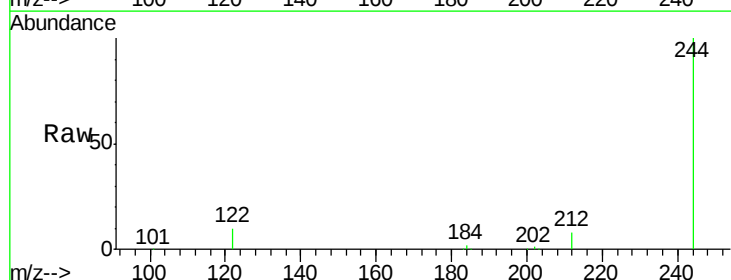
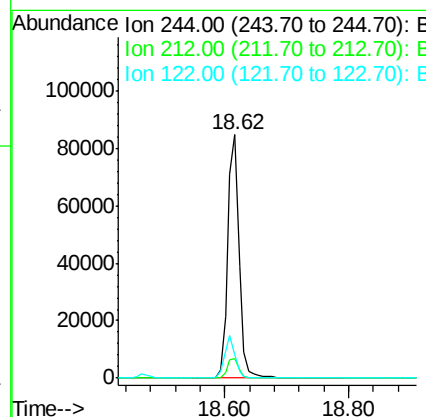
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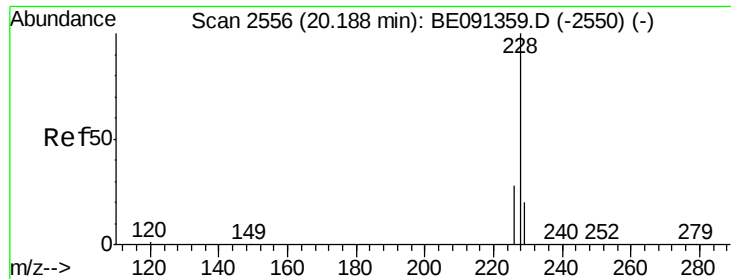
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#20
 Terphenyl-d14
 Concen: 4.62 ng
 RT: 18.62 min Scan# 2373
 Delta R.T. -0.01 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Tgt Ion:	244	Resp:	106478
Ion Ratio		Lower	Upper
244	100		
212	8.2	7.0	10.4
122	9.5	8.5	12.7





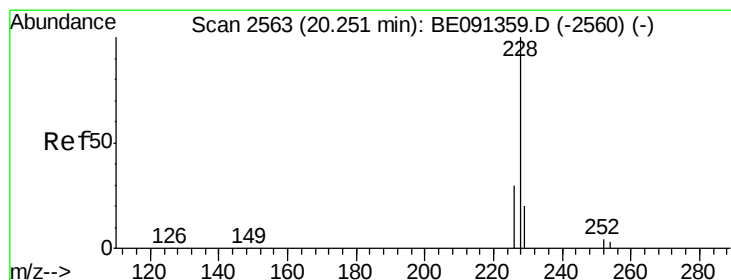
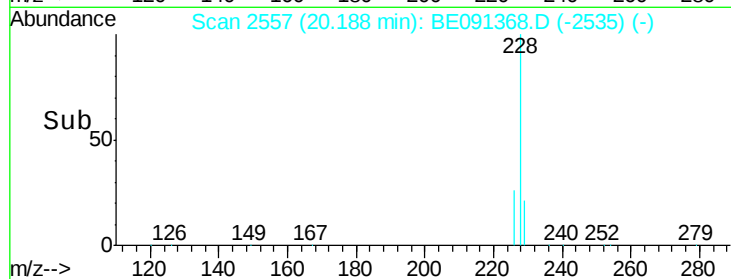
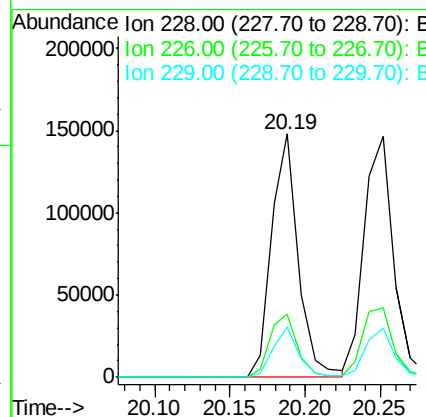
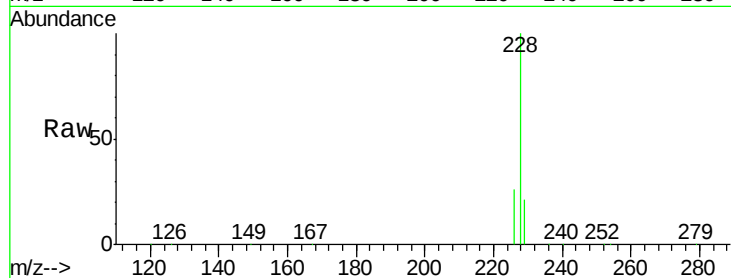
#21
Benzo(a)anthracene
Concen: 5.17 ng
RT: 20.19 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BE091368.D
Acq: 15 Jan 2016 2:02

Instrument :
BNA_E
ClientSampleId :
IMPACT-PS-001MS

Tgt Ion:	228	Resp:	181911
Ion Ratio	Lower	Upper	
228	100		
226	25.9	22.5	33.7
229	20.9	16.2	24.4

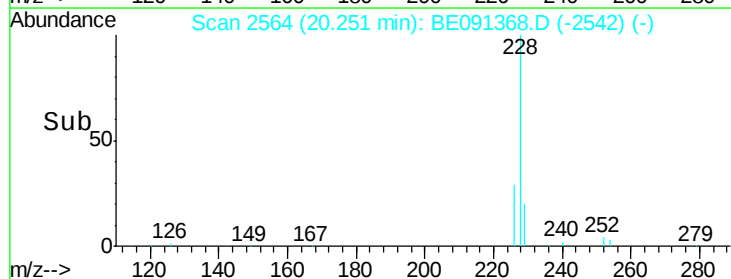
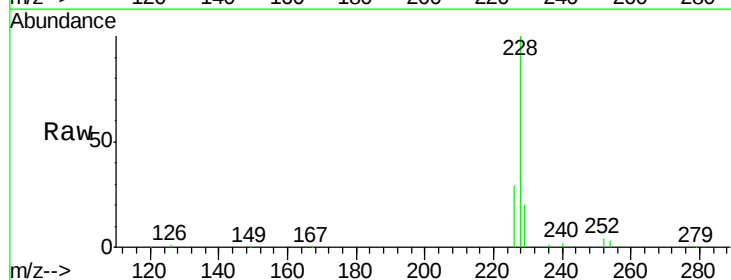
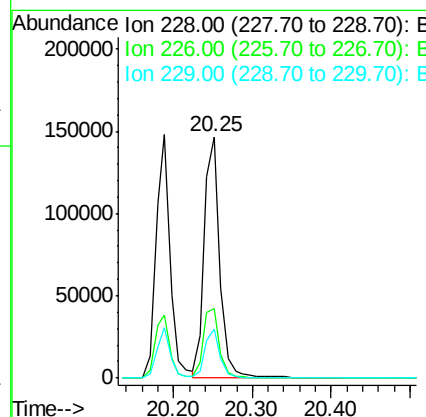
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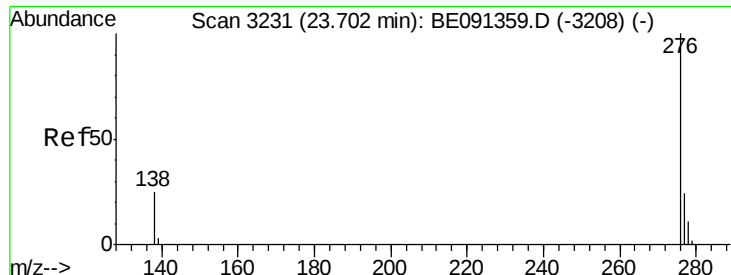
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#22
Chrysene
Concen: 5.13 ng
RT: 20.25 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BE091368.D
Acq: 15 Jan 2016 2:02

Tgt Ion:	228	Resp:	202049
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.7	35.5
229	20.5	16.0	24.0





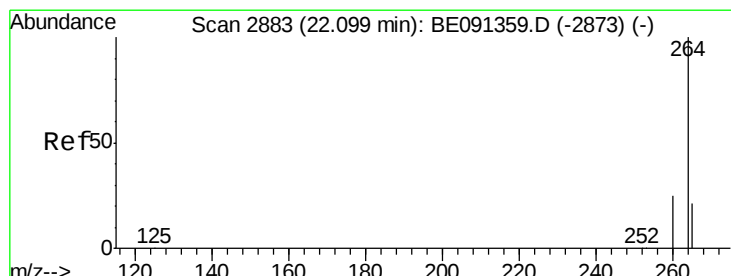
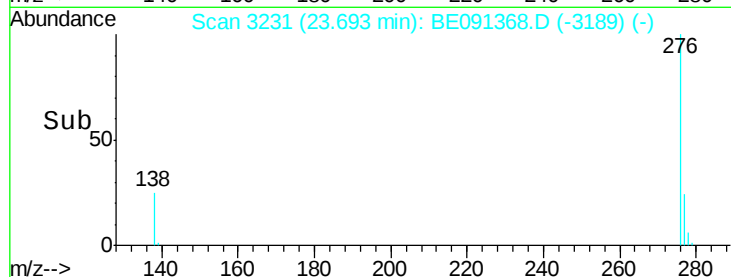
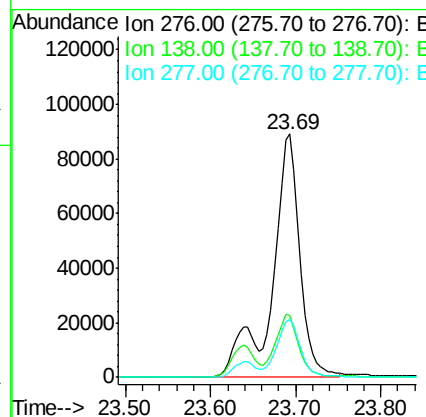
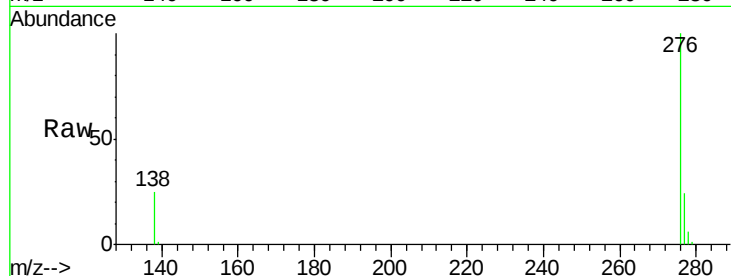
#23
 Indeno(1,2,3-cd)pyrene
 Concen: 5.21 ng m
 RT: 23.69 min Scan# 3231
 Delta R.T. -0.01 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MS

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		204991		
138	21.1	18.6	27.8		
277	19.5	16.5	24.7		

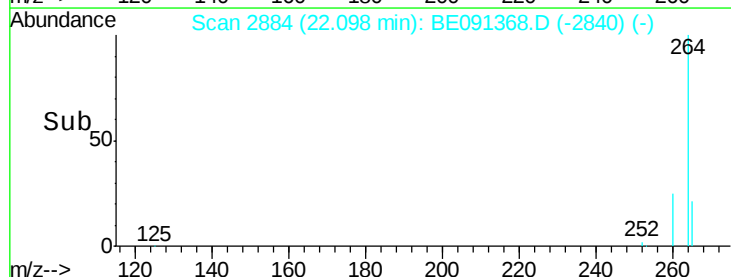
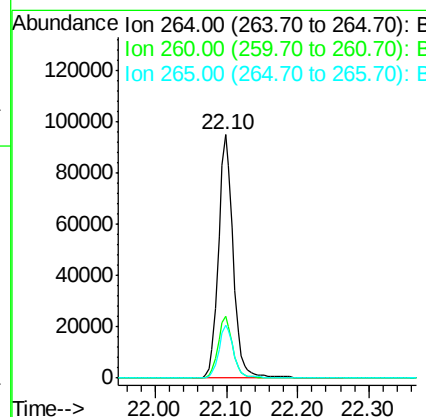
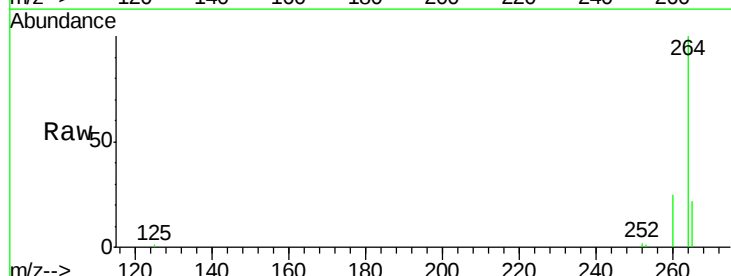
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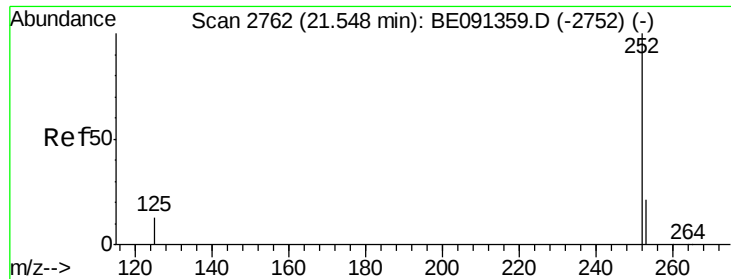
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#24
 Perylene-d12
 Concen: 5.00 ng
 RT: 22.10 min Scan# 2884
 Delta R.T. -0.00 min
 Lab File: BE091368.D
 Acq: 15 Jan 2016 2:02

Tgt	Ion	Ratio	Resp	Lower	Upper
264	100		136563		
260	25.2	20.4	30.6		
265	21.5	17.2	25.8		





#25

Benzo(b)fluoranthene

Concen: 5.16 ng

RT: 21.54 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BE091368.D

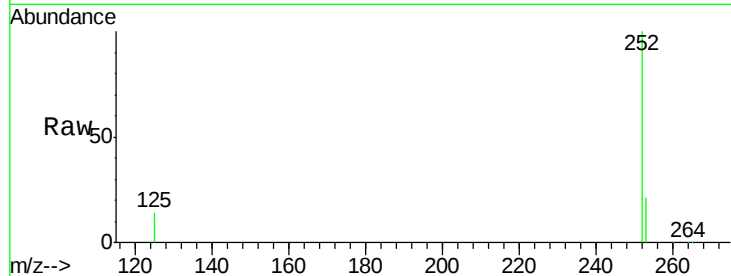
Acq: 15 Jan 2016 2:02

Instrument :

BNA_E

ClientSampleId :

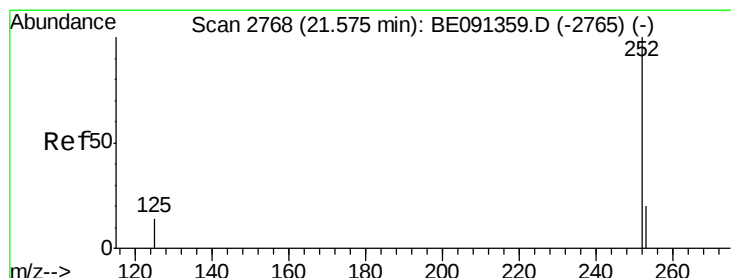
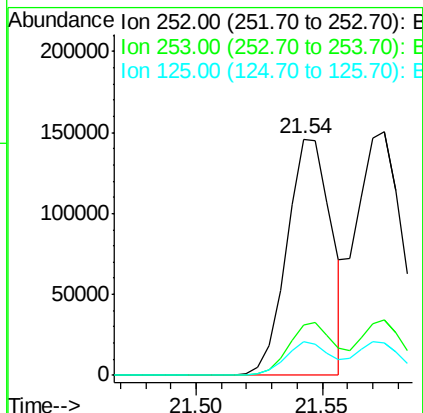
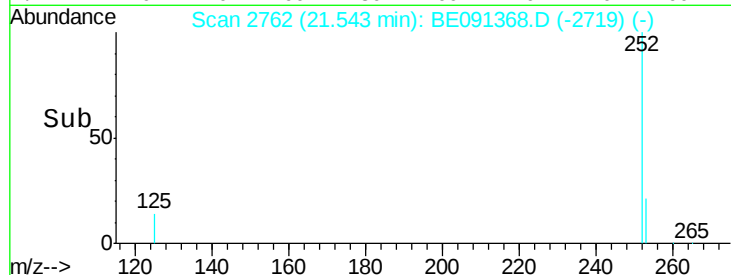
IMPACT-PS-001MS



Tgt Ion:	252	Resp:	178222
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.2
125	14.3	11.0	16.6

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#26

Benzo(k)fluoranthene

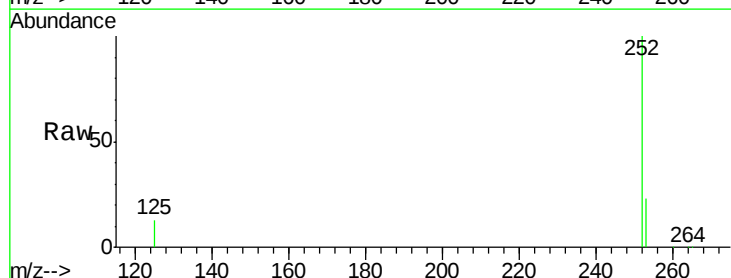
Concen: 5.07 ng

RT: 21.57 min Scan# 2769

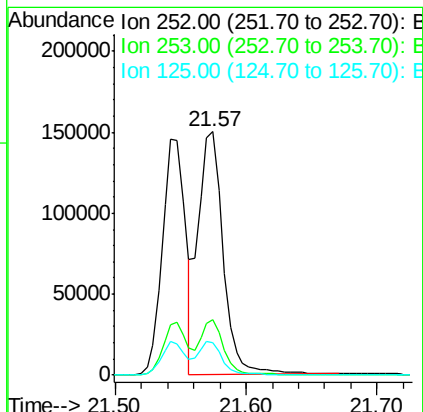
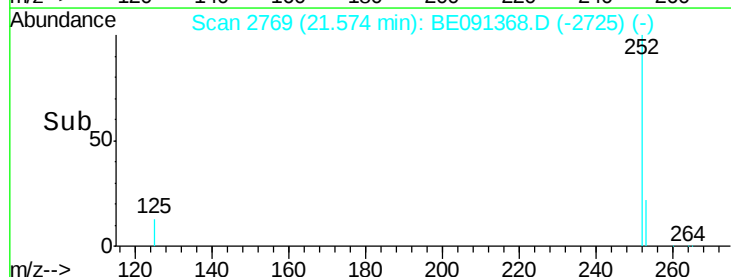
Delta R.T. -0.00 min

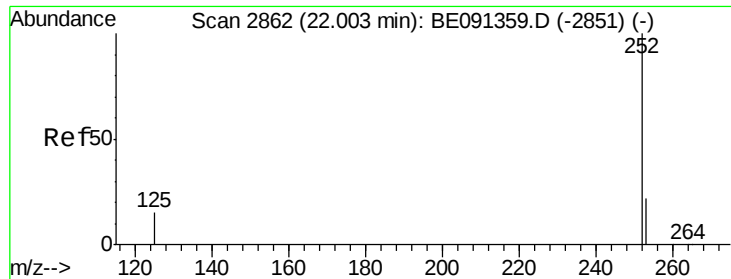
Lab File: BE091368.D

Acq: 15 Jan 2016 2:02



Tgt Ion:	252	Resp:	198122
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	13.3	11.3	16.9





#27

Benzo(a)pyrene

Concen: 4.98 ng

RT: 22.00 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BE091368.D

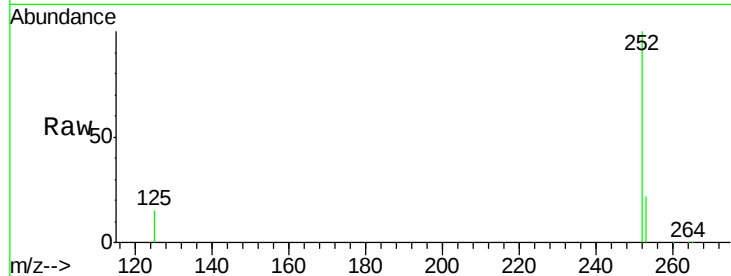
Acq: 15 Jan 2016 2:02

Instrument :

BNA_E

ClientSampleId :

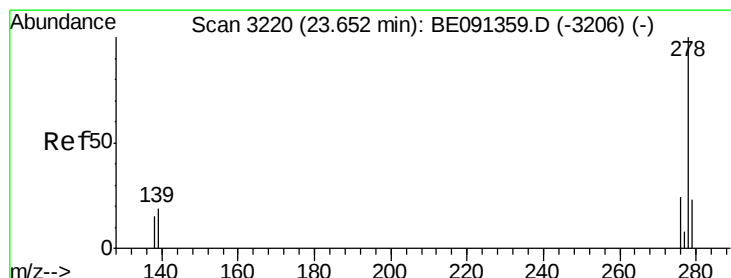
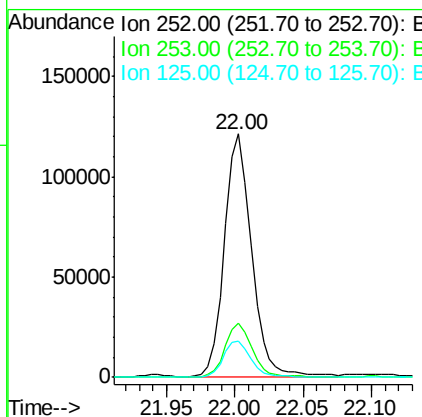
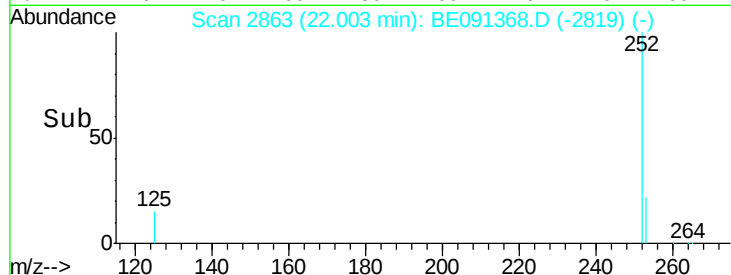
IMPACT-PS-001MS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	15.0	12.2	18.4

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#28

Dibenzo(a,h)anthracene

Concen: 5.16 ng

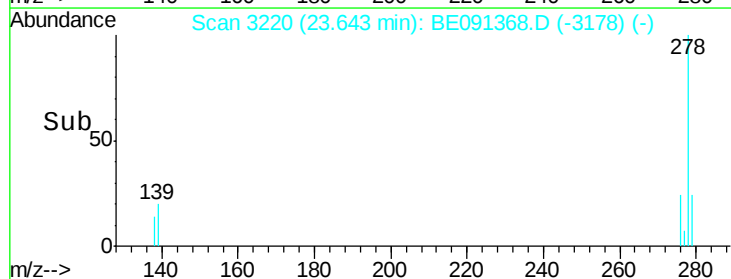
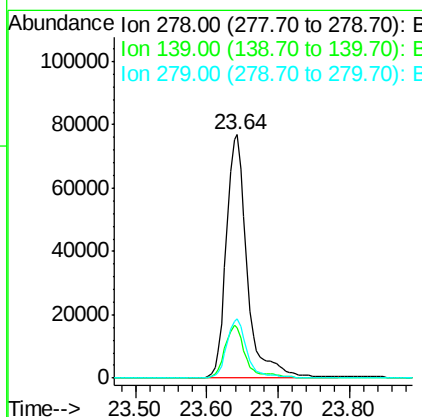
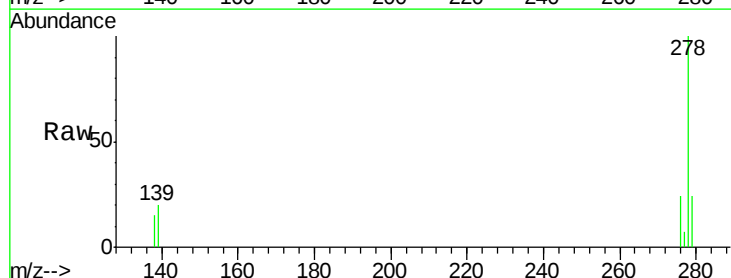
RT: 23.64 min Scan# 3220

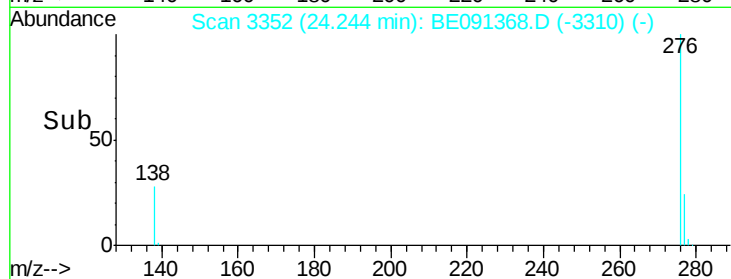
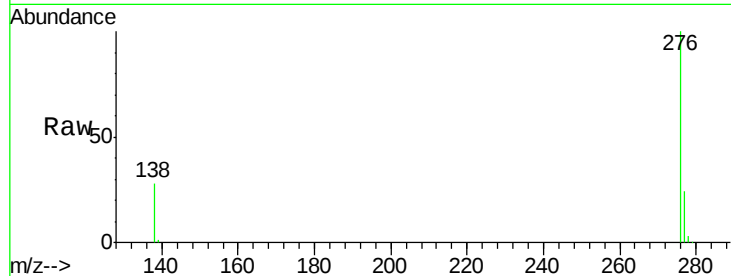
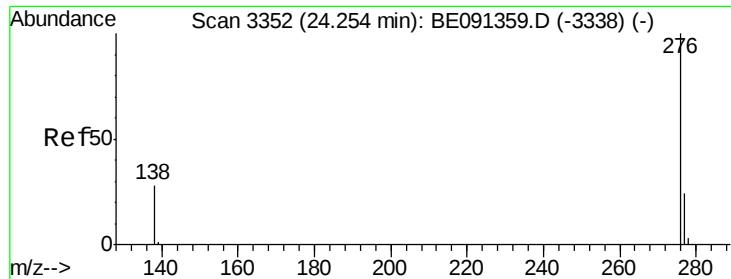
Delta R.T. -0.01 min

Lab File: BE091368.D

Acq: 15 Jan 2016 2:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.3	24.5
279	24.4	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 5.13 ng

RT: 24.24 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BE091368.D

Acq: 15 Jan 2016 2:02

Instrument :

BNA_E

ClientSampleId :

IMPACT-PS-001MS

Tgt Ion:	276	Resp:	172265
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.8	29.6
138	28.1	23.3	34.9

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