

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091369.D
 Acq On : 15 Jan 2016 2:41
 Operator : UM/IZ
 Sample : H1123-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MSD

Manual Integrations
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Quant Time: Jan 15 15:21:20 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	25779	5.00	ng	-0.01
4) Naphthalene-d8	9.54	136	122131	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	62832	5.00	ng	0.00
14) Phenanthrene-d10	16.07	188	160509	5.00	ng	-0.01
18) Chrysene-d12	20.22	240	184068	5.00	ng	0.00
24) Perylene-d12	22.10	264	165572	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.90	112	43482	9.65	ng	-0.04
3) Phenol-d6	6.52	99	71436	9.00	ng	-0.05
5) Nitrobenzene-d5	8.13	82	46283	6.54	ng	-0.03
9) 2,4,6-Tribromophenol	14.88	330	19917	9.00	ng	-0.01
10) 2-Fluorobiphenyl	11.99	172	100619	7.41	ng	-0.02
20) Terphenyl-d14	18.62	244	148094	5.59	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.58	128	131513	5.05	ng	99
7) 2-Methylnaphthalene	11.10	142	85064	5.32	ng	96
11) Acenaphthylene	13.09	152	617862	5.27	ng	100
12) Acenaphthene	13.41	154	95107	5.33	ng	# 72
13) Fluorene	14.39	166	131607	5.26	ng	96
15) Phenanthrene	16.11	178	230338	5.80	ng	99
16) Anthracene	16.19	178	213559	5.53	ng	100
17) Fluoranthene	18.08	202	263978	6.25	ng	99
19) Pyrene	18.46	202	274496	5.97	ng	99
21) Benzo(a)anthracene	20.19	228	248137	6.14	ng	97
22) Chrysene	20.25	228	256208	5.73	ng	100
23) Indeno(1,2,3-cd)pyrene	23.69	276	278061m	6.16	ng	
25) Benzo(b)fluoranthene	21.54	252	242652	5.76	ng	100
26) Benzo(k)fluoranthene	21.57	252	251648	5.29	ng	100
27) Benzo(a)pyrene	22.00	252	231999	5.65	ng	99
28) Dibenzo(a,h)anthracene	23.64	278	225855	5.97	ng	99
29) Benzo(g,h,i)perylene	24.24	276	242317	5.90	ng	98

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

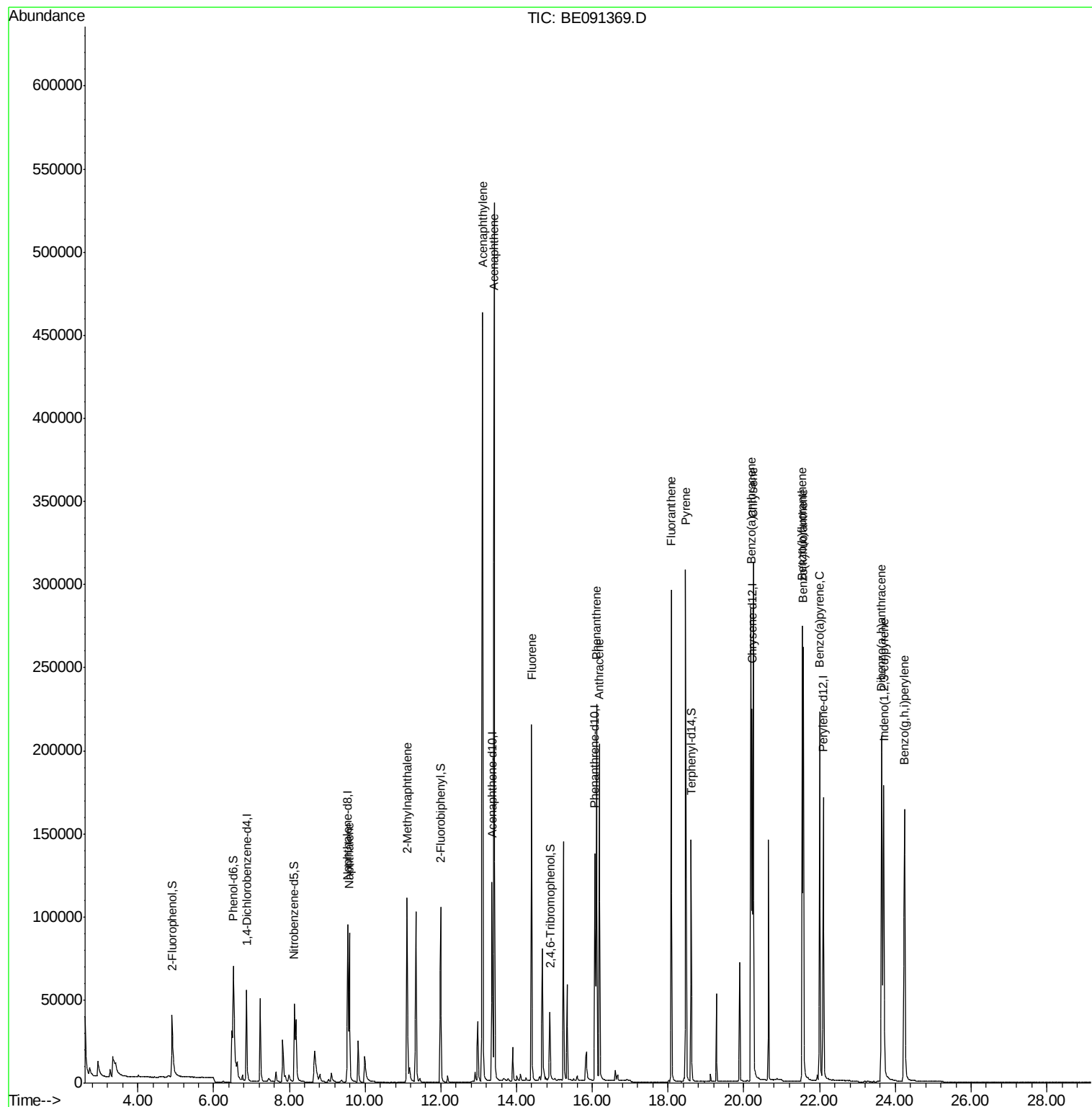
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
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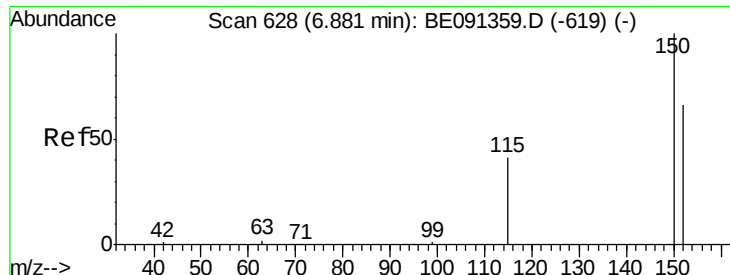
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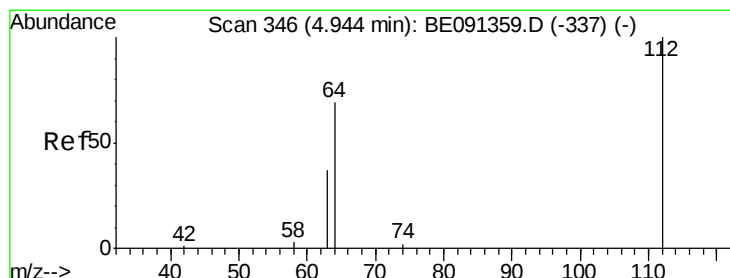
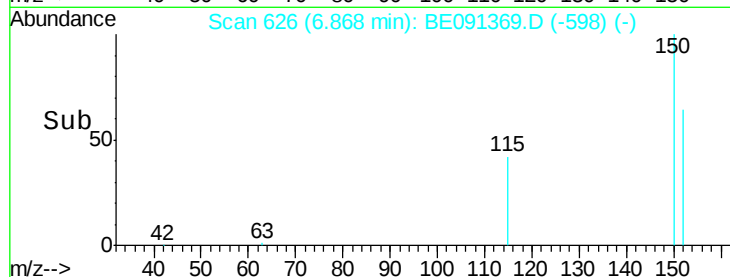
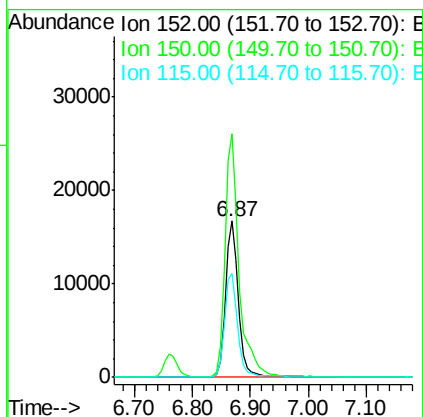
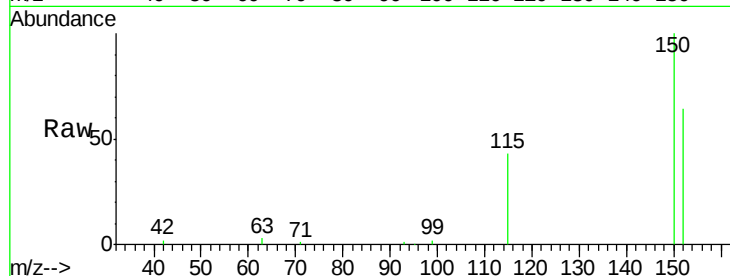
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.87 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.7	121.6	182.4
115	66.3	50.6	75.8

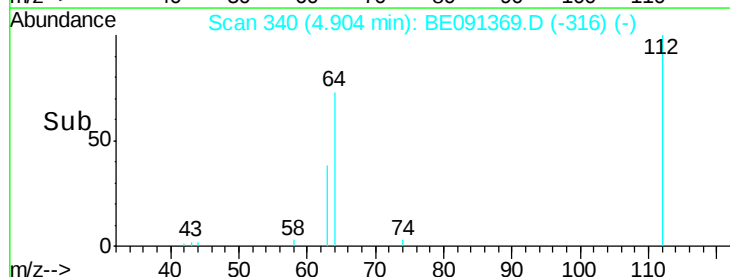
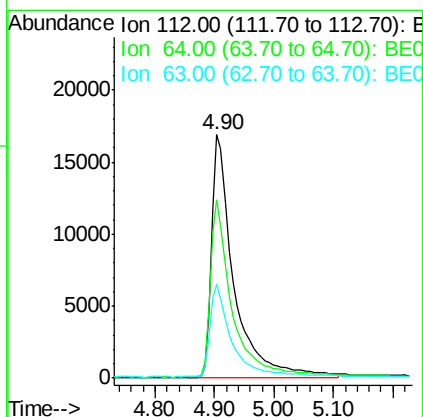
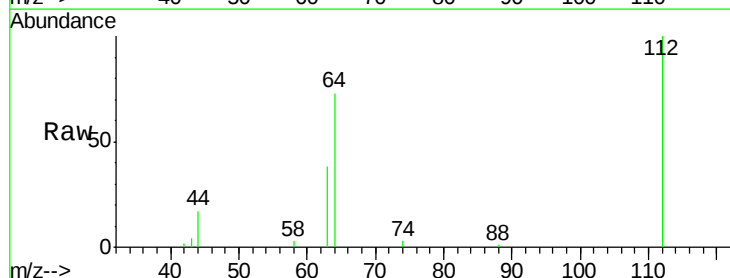
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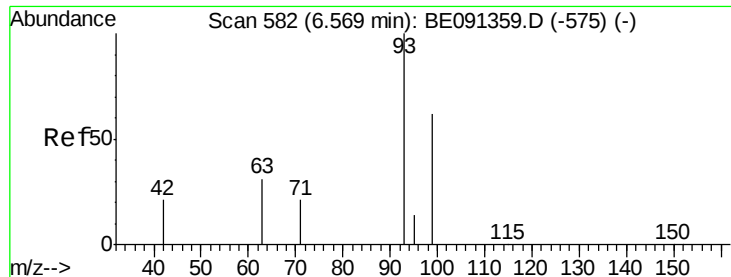
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#2
 2-Fluorophenol
 Concen: 9.65 ng
 RT: 4.90 min Scan# 340
 Delta R.T. -0.04 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	57.4	86.0
63	38.0	32.2	48.2





#3

Phenol-d6

Concen: 9.00 ng

RT: 6.52 min Scan# 575

Delta R.T. -0.05 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Instrument :

BNA_E

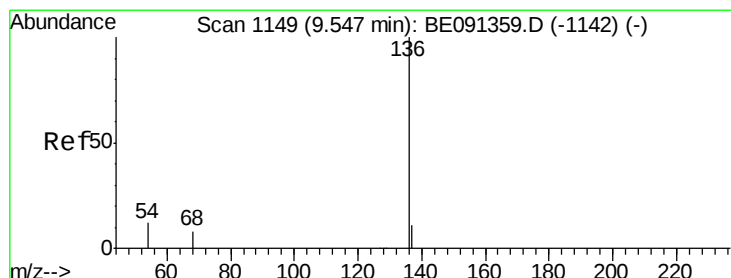
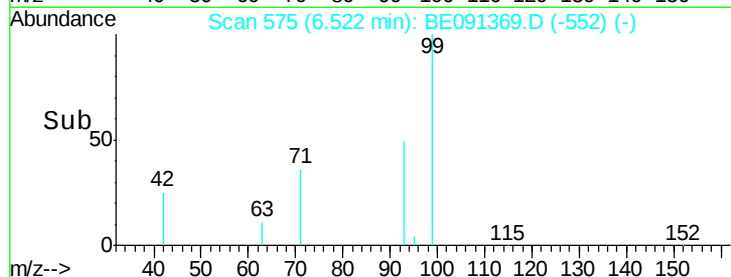
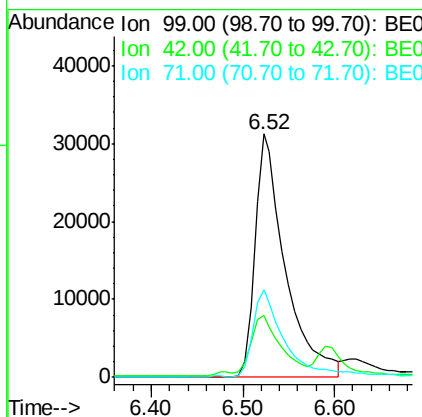
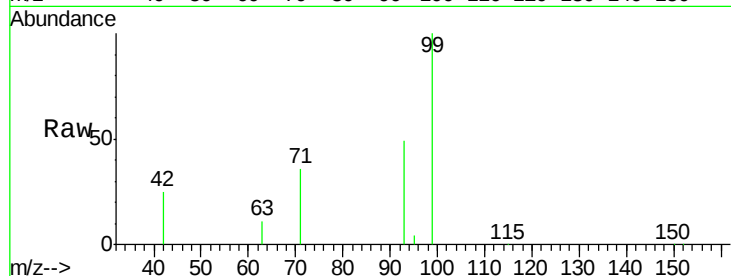
ClientSampleId :

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Tgt Ion:	99	Resp:	71436
Ion Ratio	Lower	Upper	
99	100		
42	26.0	22.9	34.3
71	38.3	35.4	53.2



#4

Naphthalene-d8

Concen: 5.00 ng

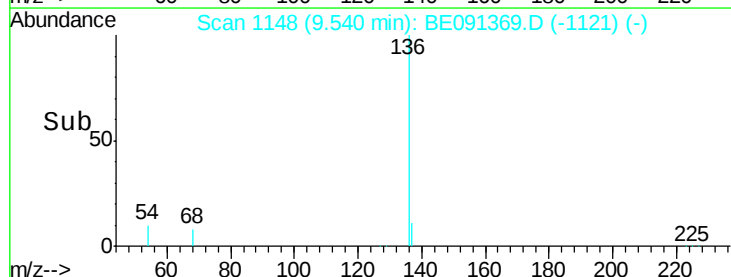
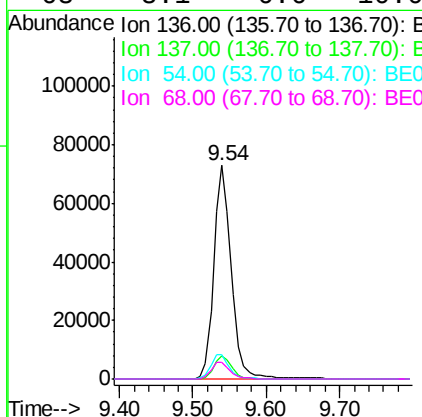
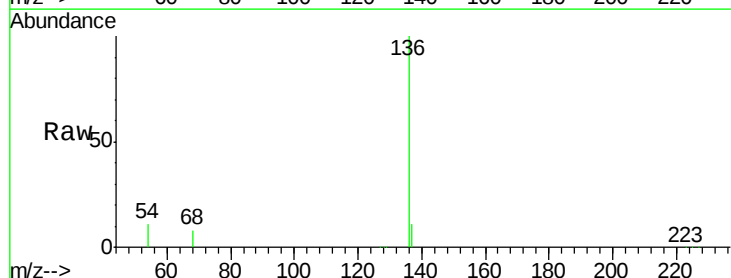
RT: 9.54 min Scan# 1148

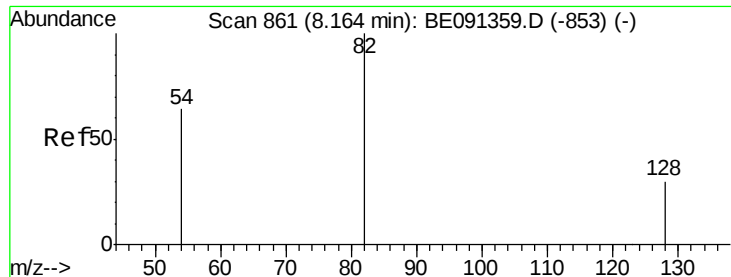
Delta R.T. -0.01 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Tgt Ion:	136	Resp:	122131
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	11.3	9.8	14.6
68	8.1	6.6	10.0





#5

Nitrobenzene-d5

Concen: 6.54 ng

RT: 8.13 min Scan# 854

Delta R.T. -0.03 min

Lab File: BE091369.D

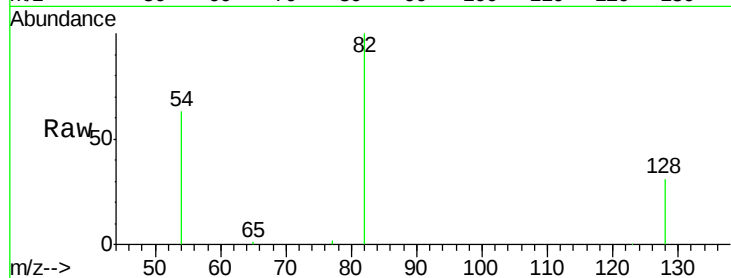
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Instrument :

BNA_E

ClientSampleId :

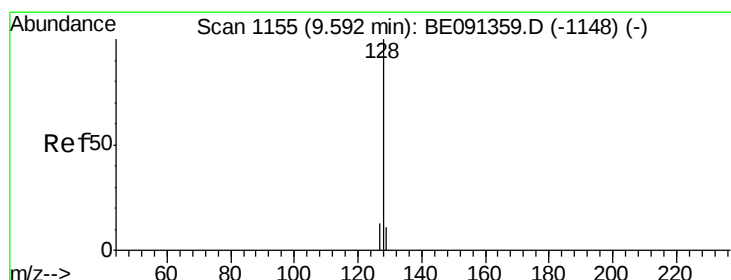
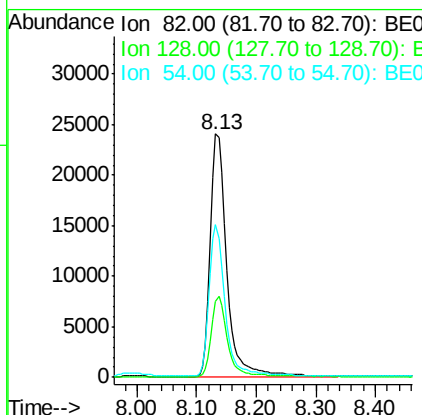
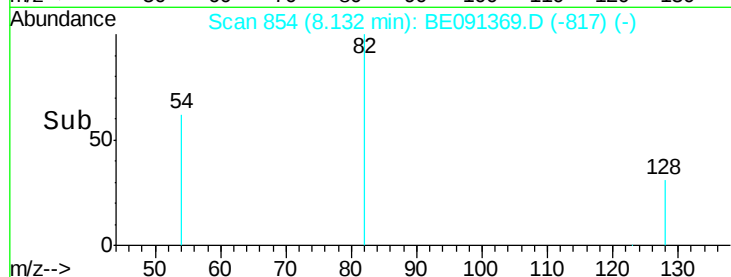
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Tgt Ion	82	Resp	46283
Ion Ratio	Lower	Upper	
82	100		
128	31.0	24.6	36.8
54	62.9	52.7	79.1

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#6

Naphthalene

Concen: 5.05 ng

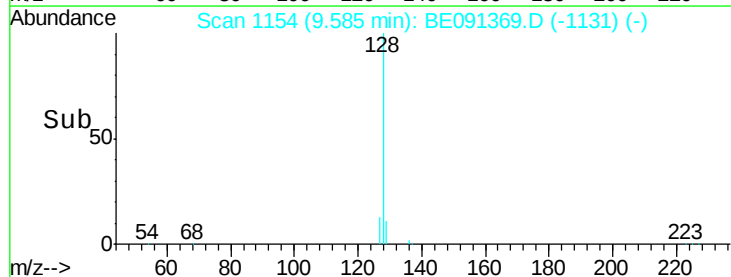
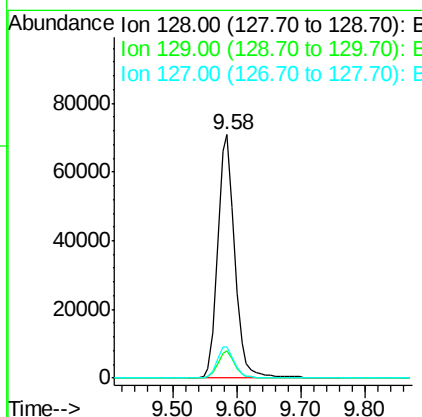
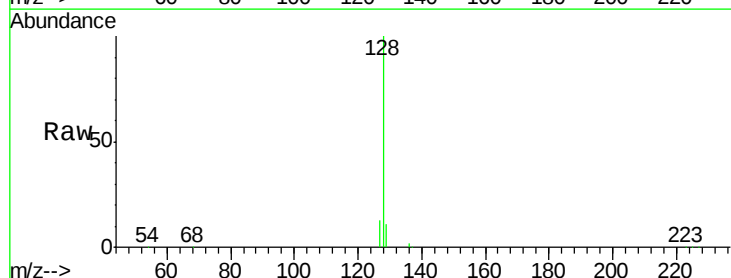
RT: 9.58 min Scan# 1154

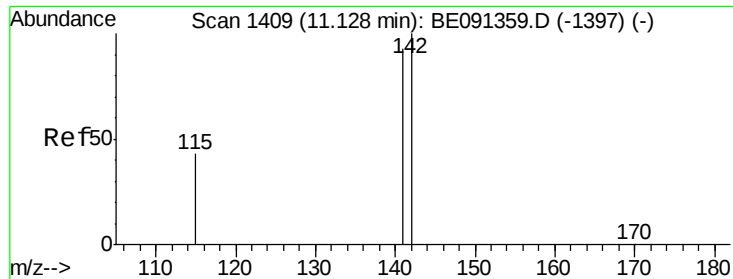
Delta R.T. -0.01 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Tgt Ion	128	Resp	131513
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.3	13.9
127	13.0	10.6	15.8





#7

2-Methylnaphthalene

Concen: 5.32 ng

RT: 11.10 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Instrument :

BNA_E

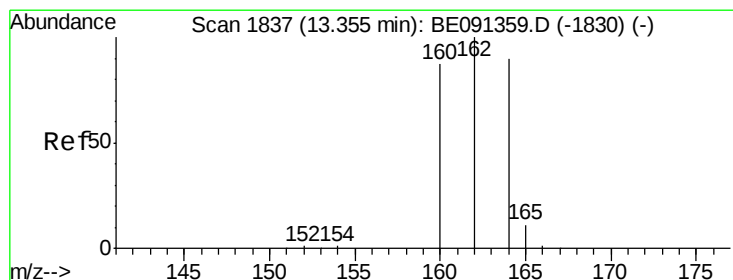
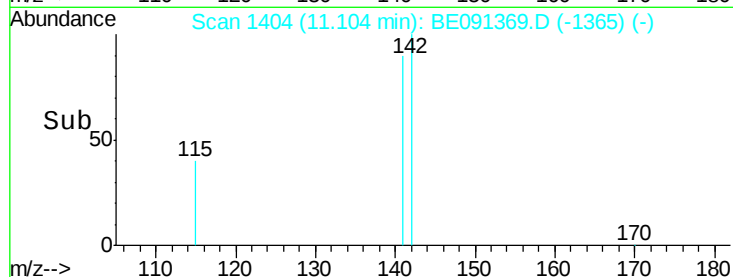
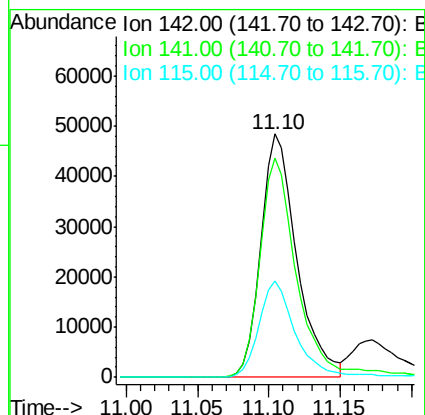
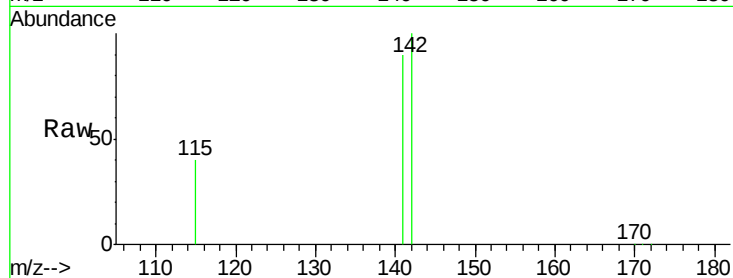
ClientSampleId :

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Tgt Ion:	142	Resp:	85064
Ion Ratio	Lower	Upper	
142	100		
141	90.2	74.5	111.7
115	39.7	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

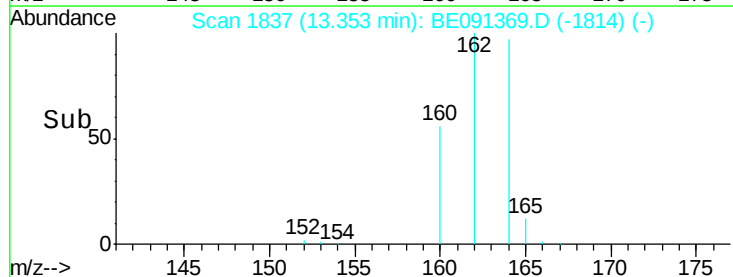
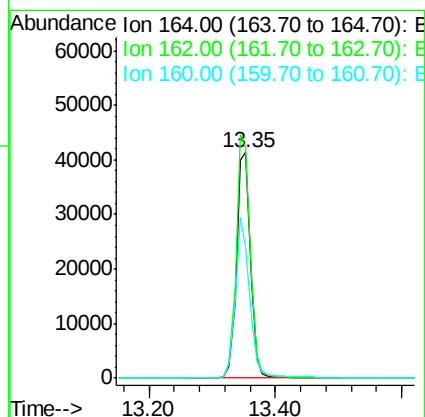
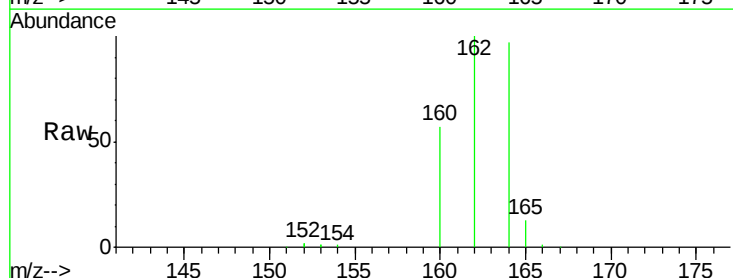
RT: 13.35 min Scan# 1837

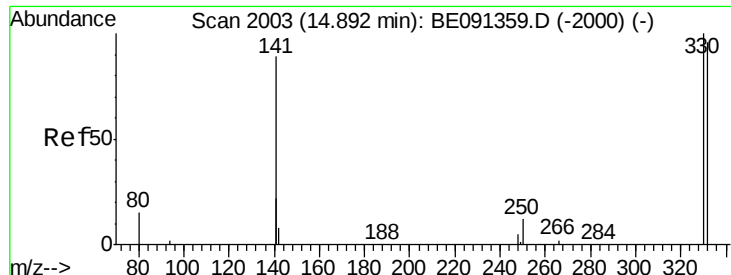
Delta R.T. -0.00 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Tgt Ion:	164	Resp:	62832
Ion Ratio	Lower	Upper	
164	100		
162	102.6	88.5	132.7
160	58.0	76.7	115.1#





#9

2,4,6-Tribromophenol

Concen: 9.00 ng

RT: 14.88 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091369.D

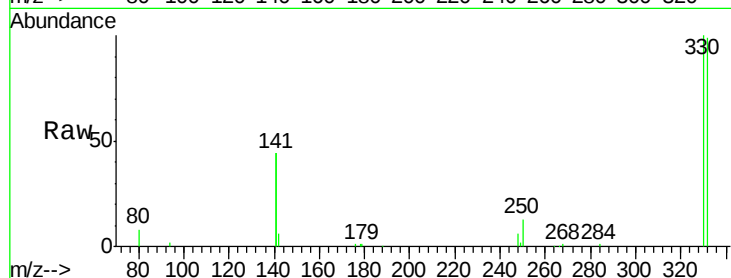
Acq: 15 Jan 2016 2:41

Instrument :

BNA_E

ClientSampleId :

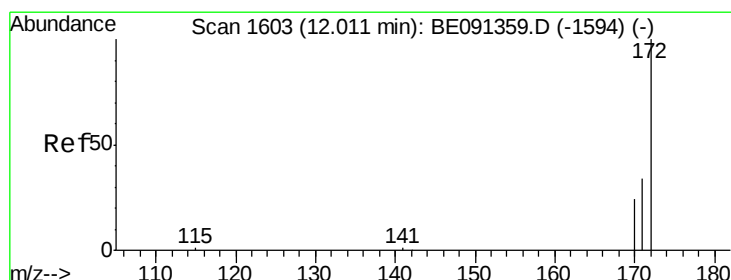
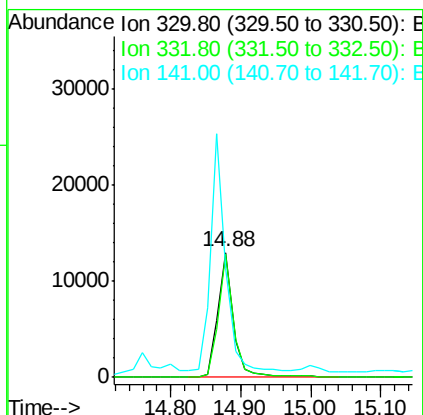
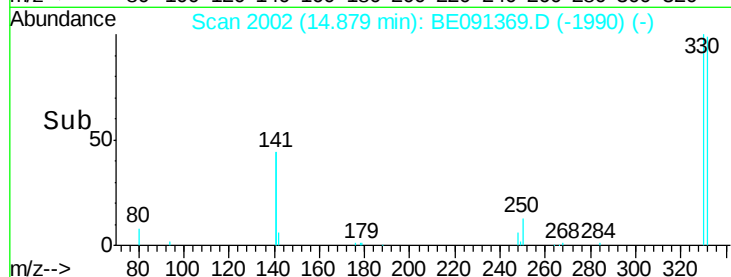
IMPACT-PS-001MSD



Tgt Ion:	330	Resp:	19917
Ion Ratio	Lower	Upper	
330	100		
332	96.2	78.6	118.0
141	185.2	147.8	221.8

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#10

2-Fluorobiphenyl

Concen: 7.41 ng

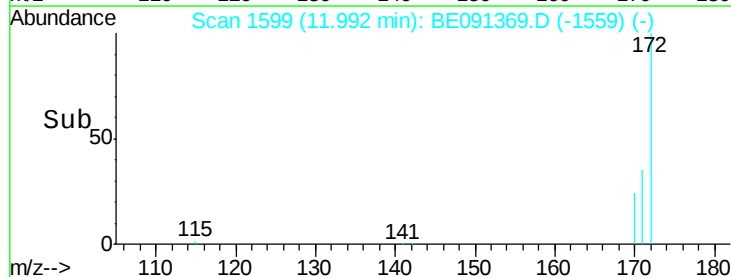
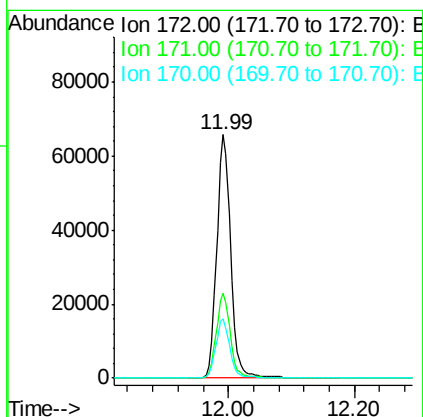
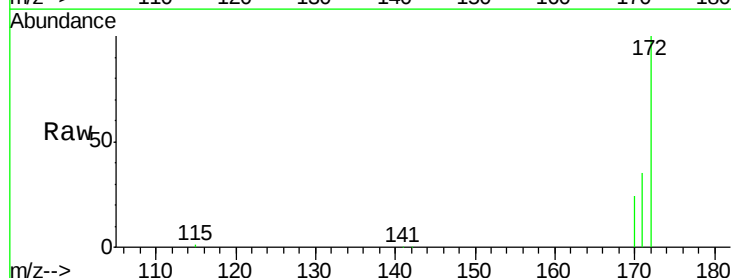
RT: 11.99 min Scan# 1599

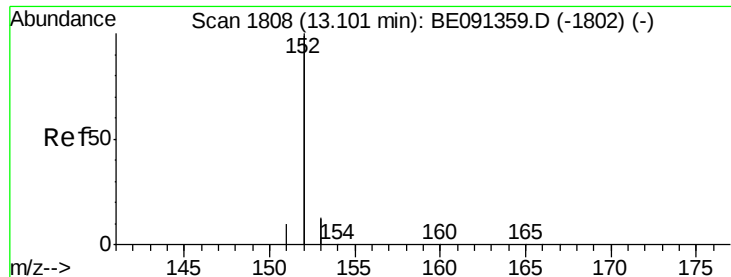
Delta R.T. -0.02 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Tgt Ion:	172	Resp:	100619
Ion Ratio	Lower	Upper	
172	100		
171	34.9	27.3	40.9
170	24.2	19.8	29.6





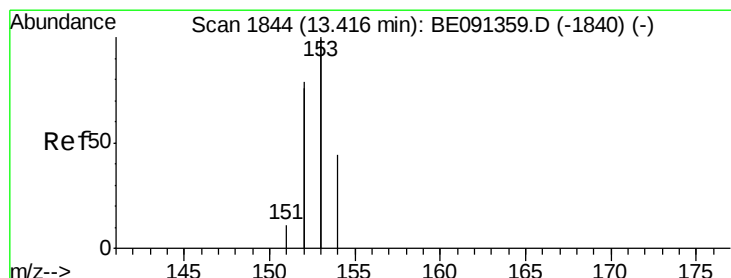
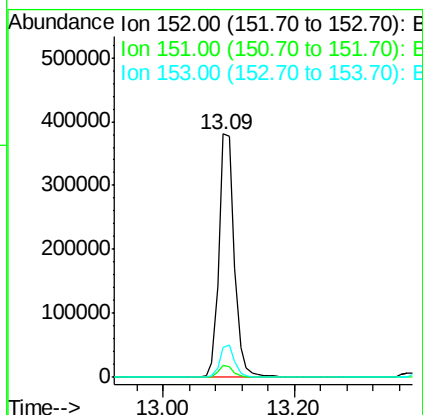
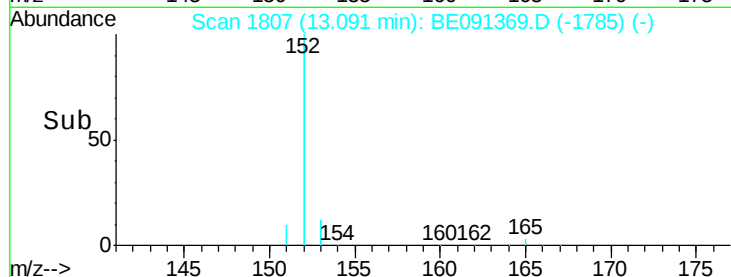
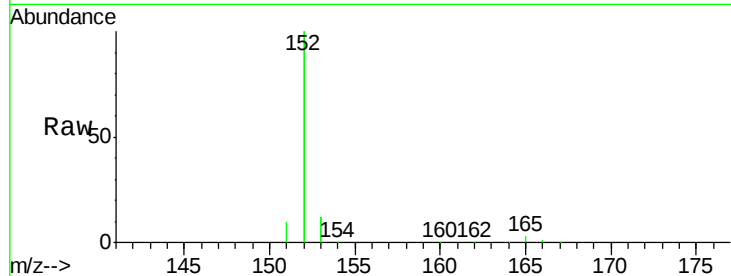
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Acenaphthylene
Concen: 5.27 ng
RT: 13.09 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Instrument :
BNA_E
ClientSampleId :
IMPACT-PS-001MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.8	10.1	15.1

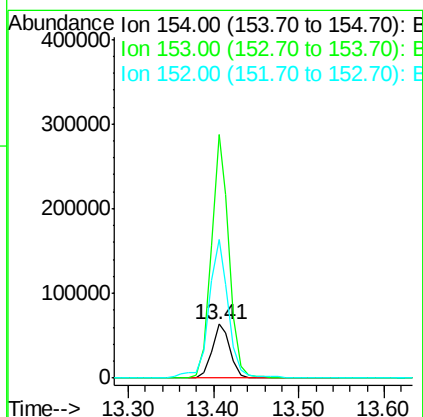
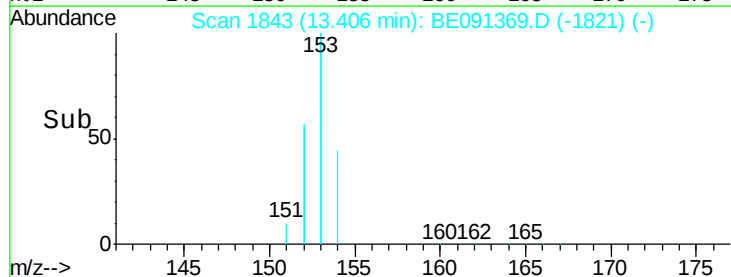
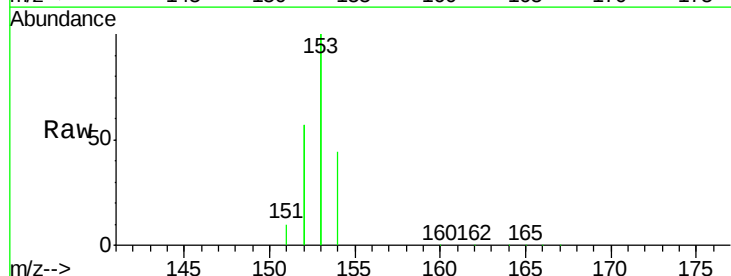
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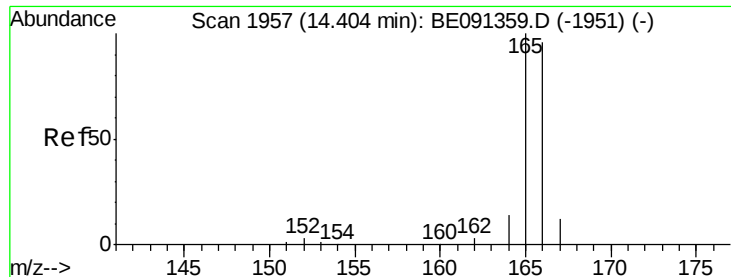
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#12
Acenaphthene
Concen: 5.33 ng
RT: 13.41 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	439.5	370.2	555.4
152	270.6	310.5	465.7





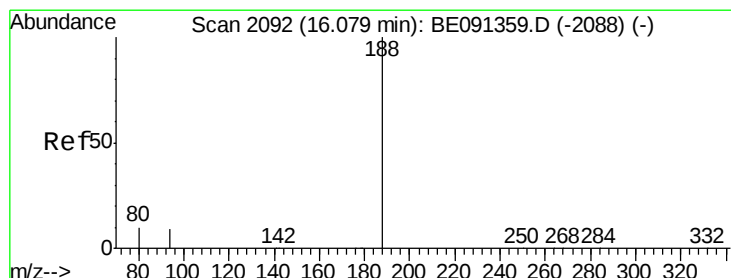
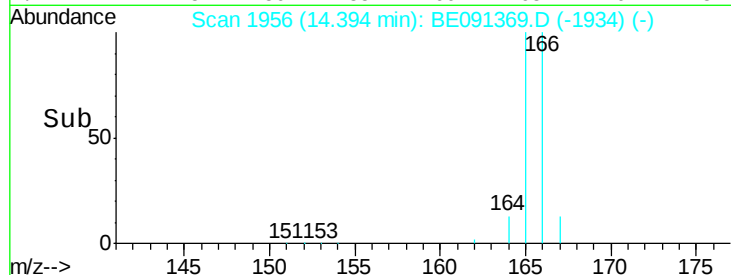
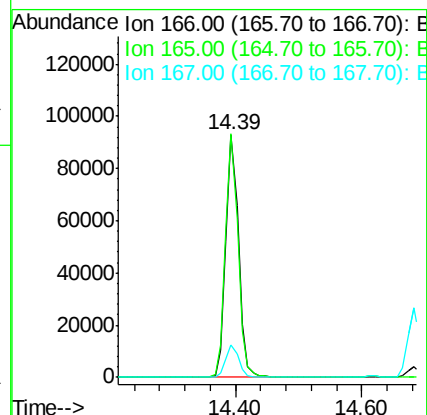
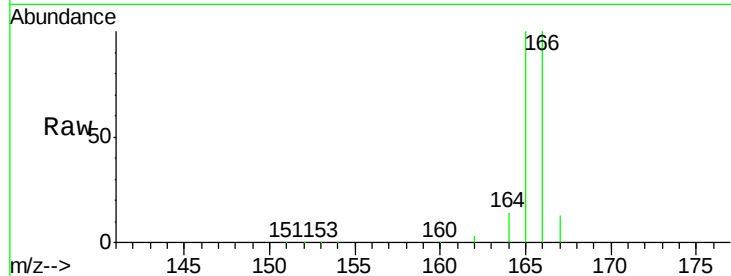
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Fluorene
 Concen: 5.26 ng
 RT: 14.39 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	131607		
165	99.2	83.0	124.6	
167	13.6	11.1	16.7	

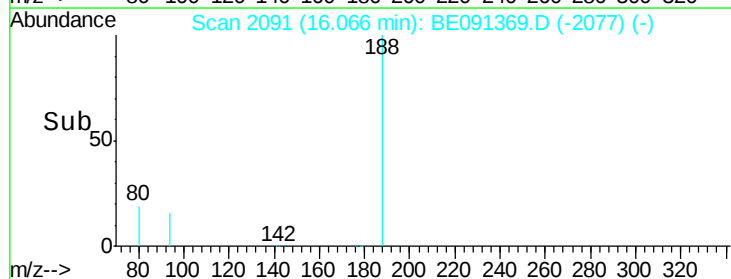
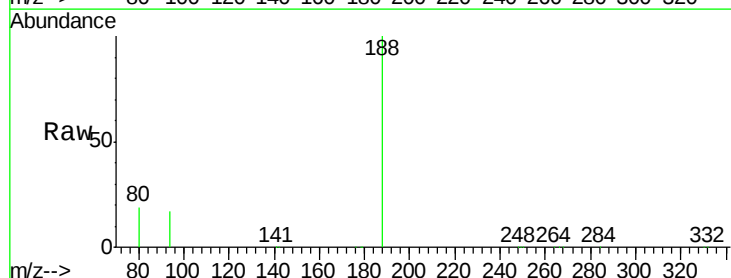
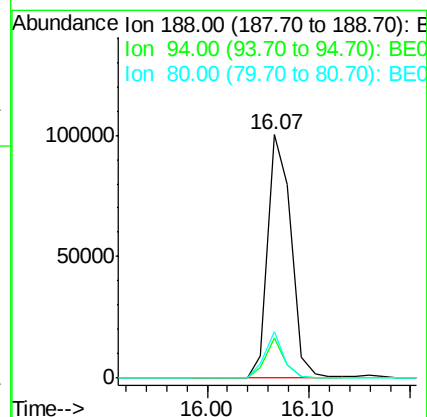
Manual Integrations
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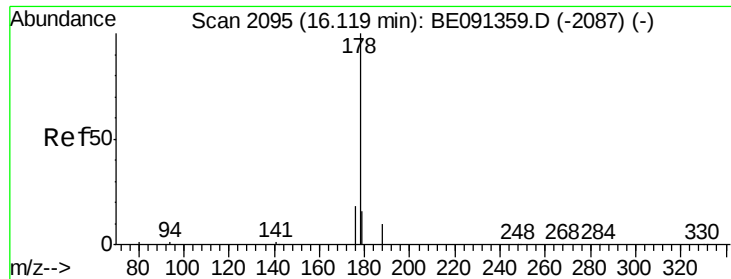
mohammad
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#14
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.07 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	160509		
94	16.6	7.5	11.3#	
80	19.4	8.2	12.2#	





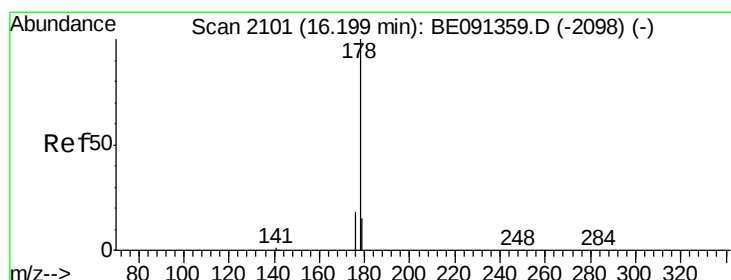
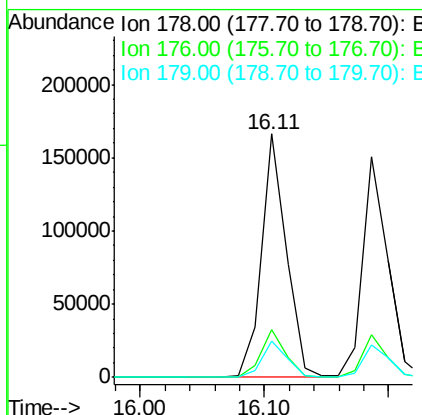
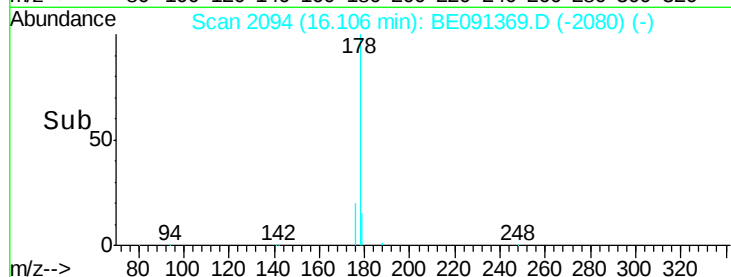
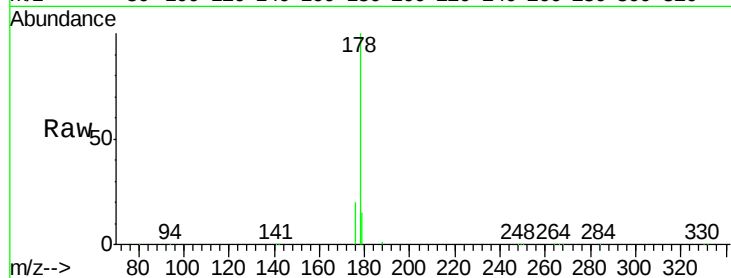
#15
Phenanthrene
Concen: 5.80 ng
RT: 16.11 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Instrument :
BNA_E
ClientSampleId :
IMPACT-PS-001MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.3	12.8	19.2

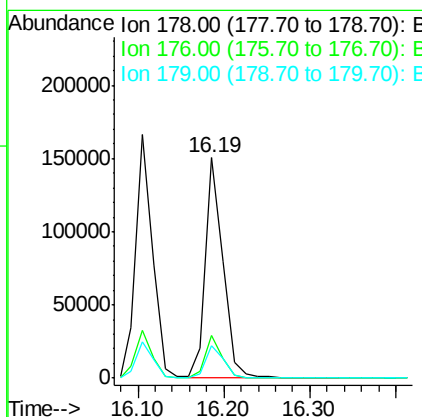
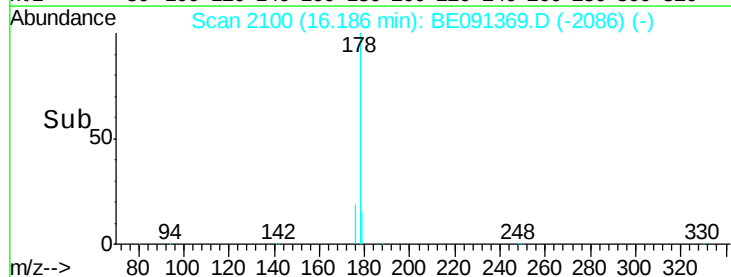
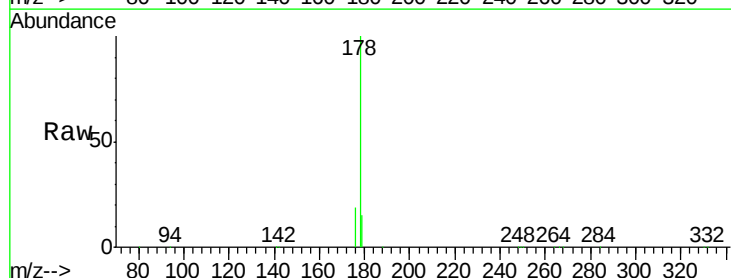
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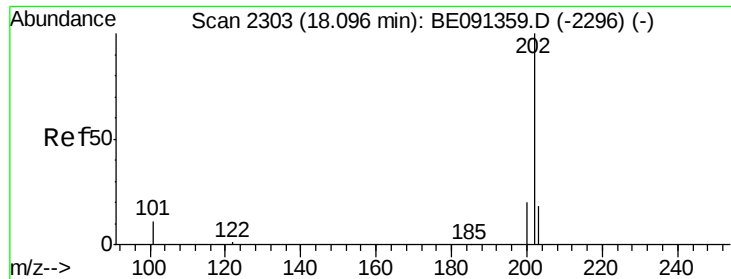
mohammad
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#16
Anthracene
Concen: 5.53 ng
RT: 16.19 min Scan# 2100
Delta R.T. -0.01 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.4	12.4	18.6





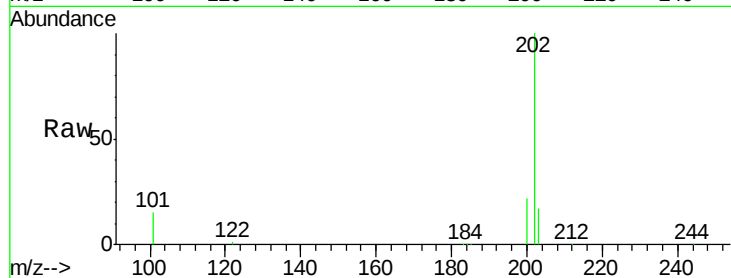
#17
 Fluoranthene
 Concen: 6.25 ng
 RT: 18.08 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MSD

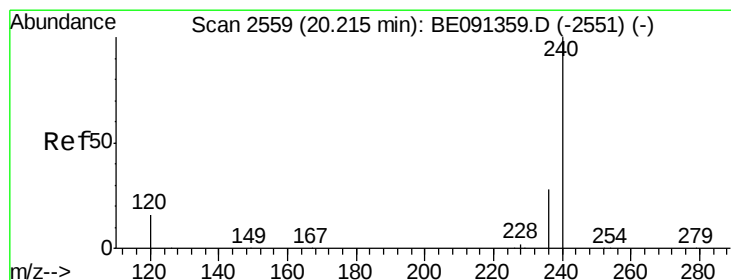
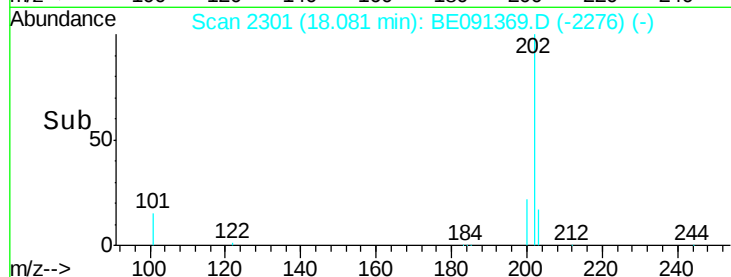
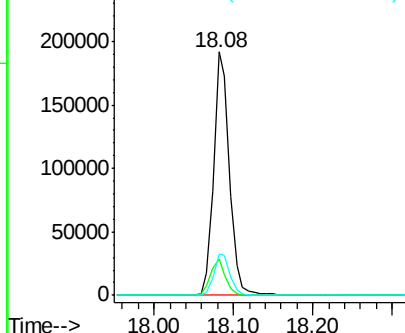
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	263978		
101	14.2	11.0	16.4	
203	17.3	13.9	20.9	

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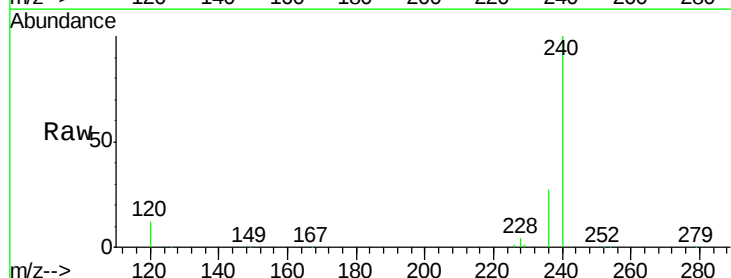


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

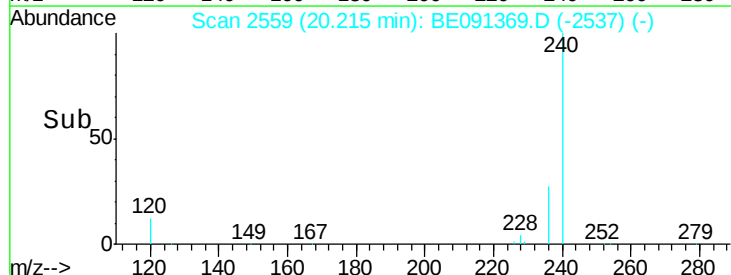
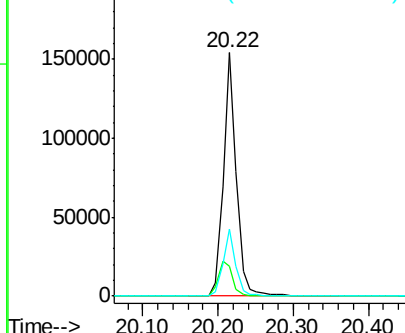


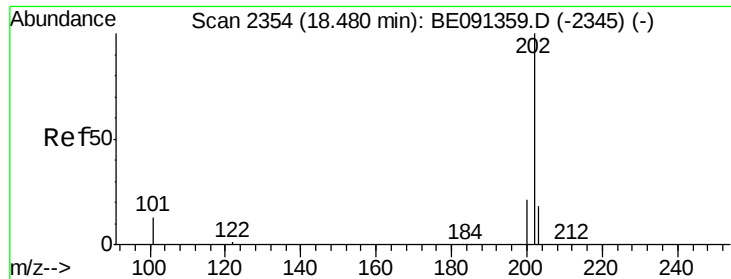
#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	184068		
120	12.1	12.6	19.0#	
236	27.4	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





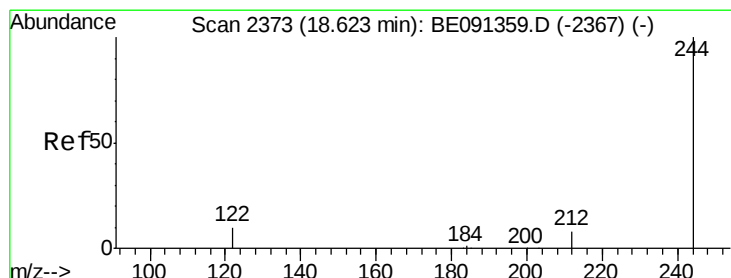
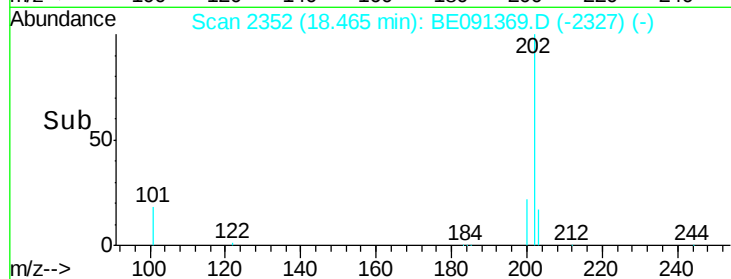
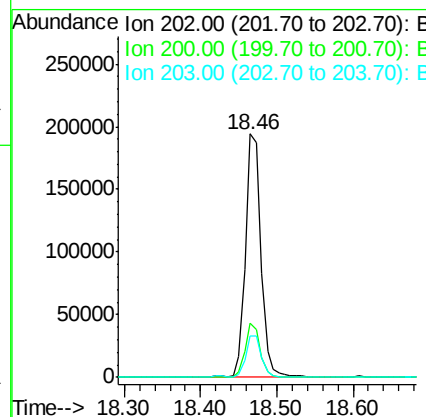
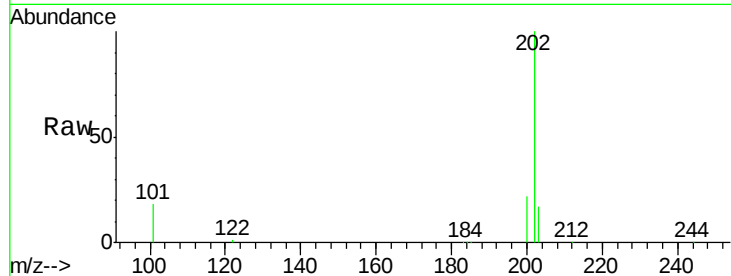
#19
 Pyrene
 Concen: 5.97 ng
 RT: 18.46 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.6	17.2	25.8
203	17.1	14.2	21.4

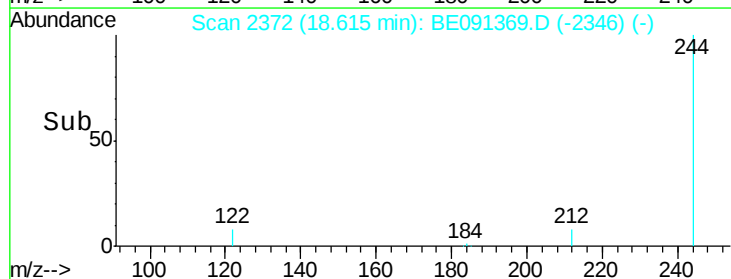
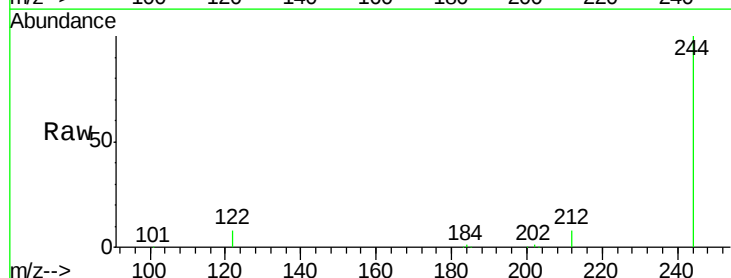
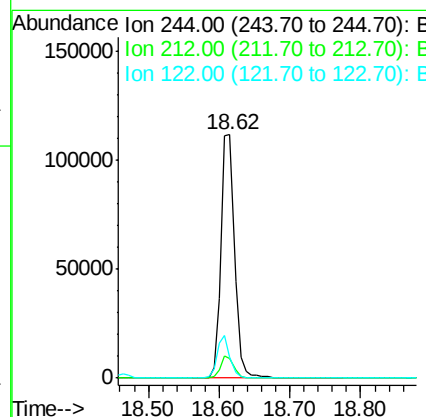
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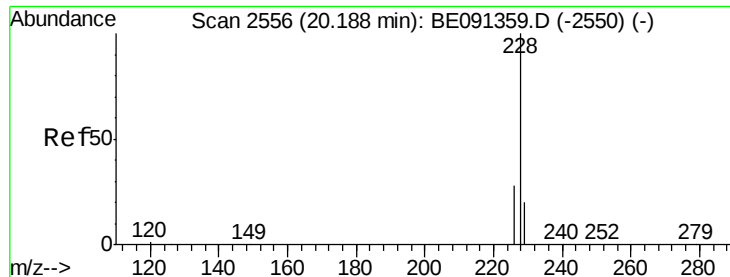
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#20
 Terphenyl-d14
 Concen: 5.59 ng
 RT: 18.62 min Scan# 2372
 Delta R.T. -0.01 min
 Lab File: BE091369.D
 Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.2	7.0	10.4
122	8.4	8.5	12.7#





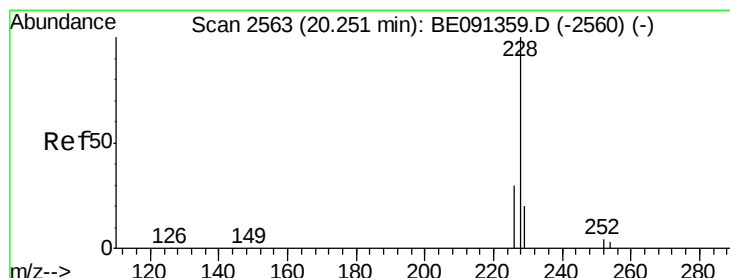
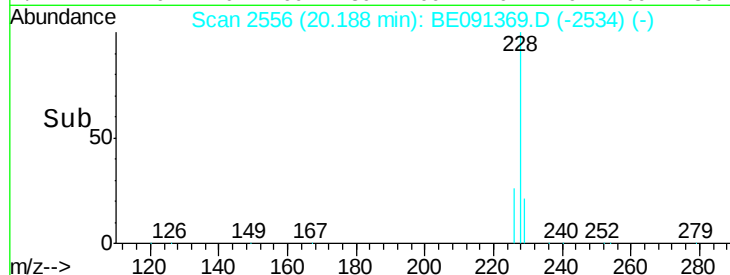
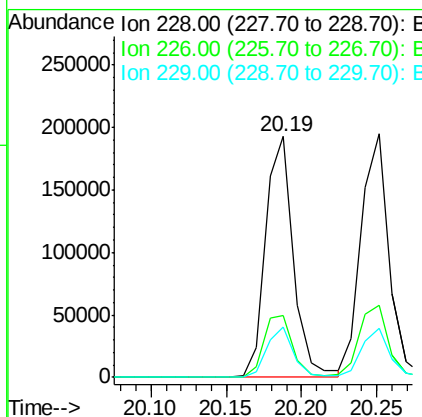
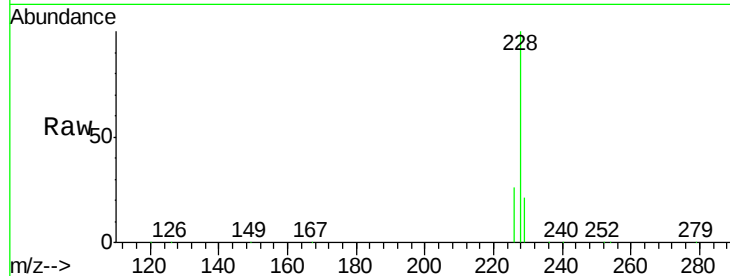
#21
Benzo(a)anthracene
Concen: 6.14 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Instrument :
BNA_E
ClientSampleId :
IMPACT-PS-001MSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	22.5	33.7
229	20.9	16.2	24.4

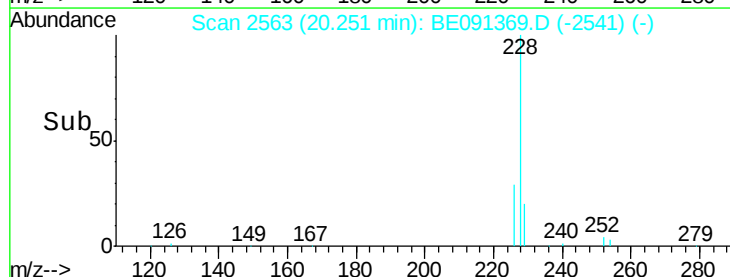
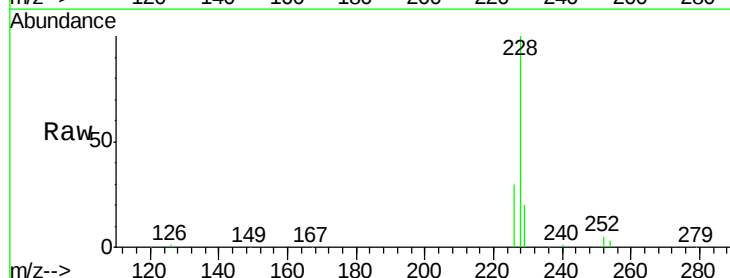
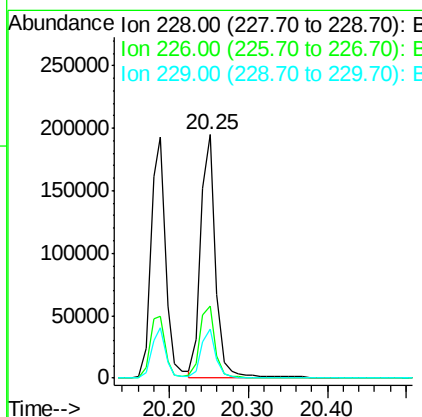
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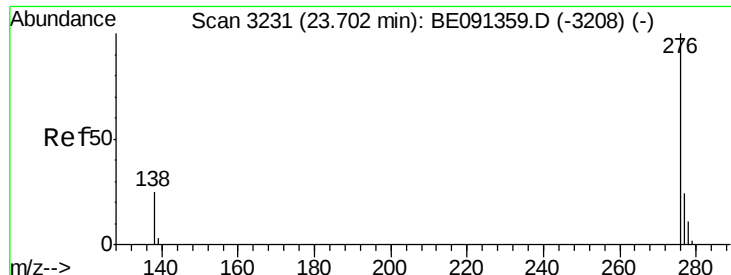
mohammad
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#22
Chrysene
Concen: 5.73 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	20.1	16.0	24.0





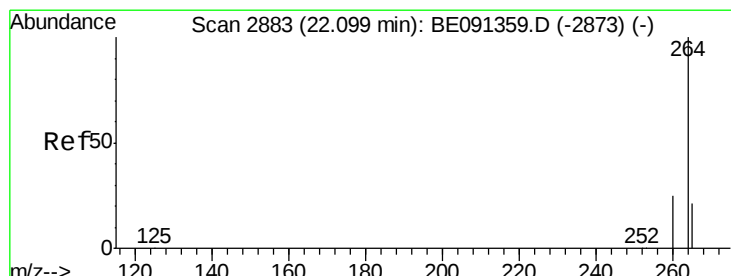
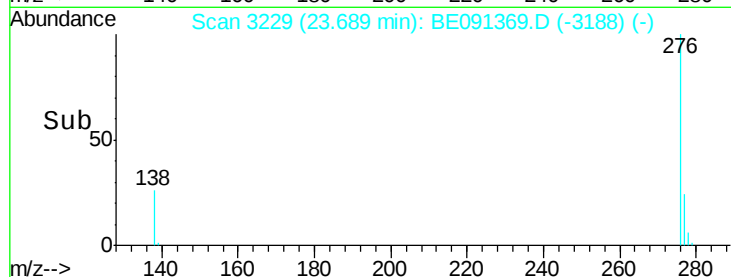
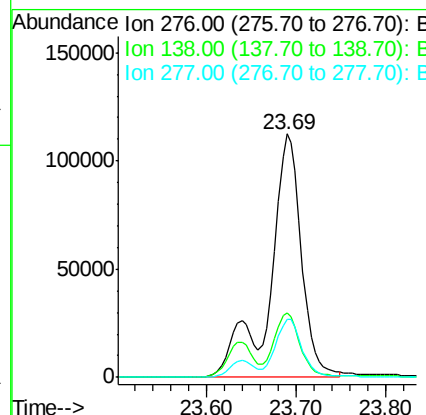
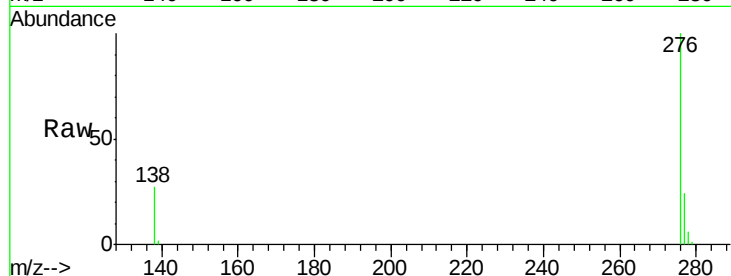
#23
Indeno(1,2,3-cd)pyrene
Concen: 6.16 ng m
RT: 23.69 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Instrument :
BNA_E
ClientSampleId :
IMPACT-PS-001MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.4	18.6	27.8
277	19.8	16.5	24.7

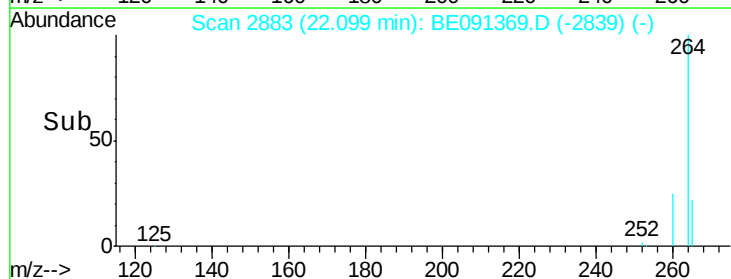
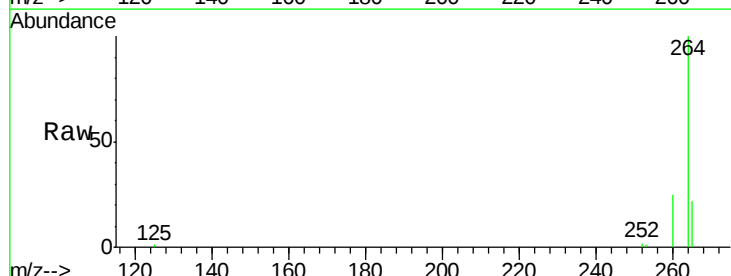
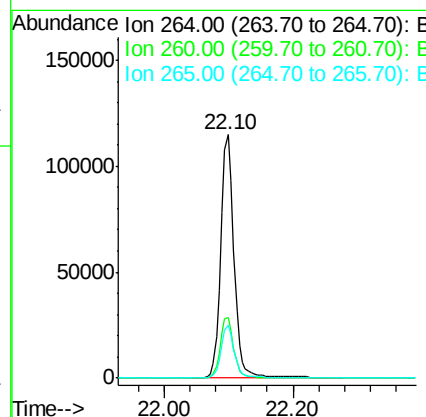
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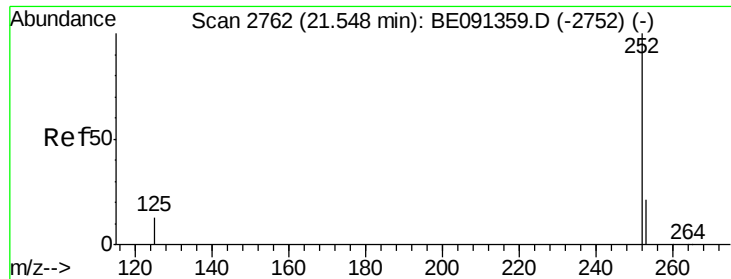
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.9	20.4	30.6
265	21.8	17.2	25.8





#25

Benzo(b)fluoranthene

Concen: 5.76 ng

RT: 21.54 min Scan# 2761

Delta R.T. -0.00 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Instrument :

BNA_E

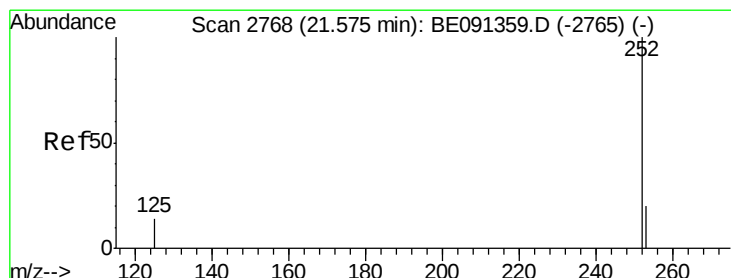
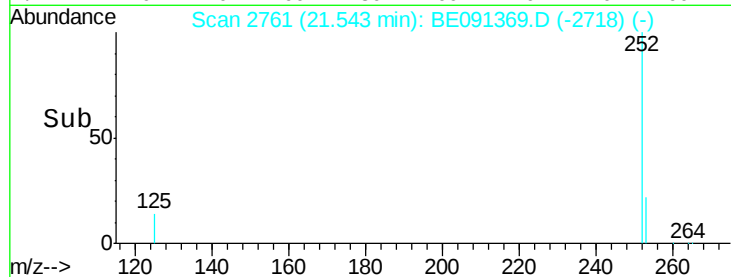
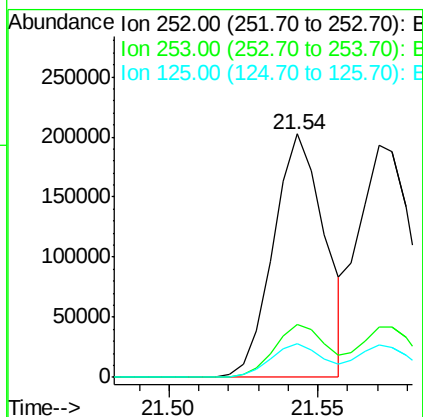
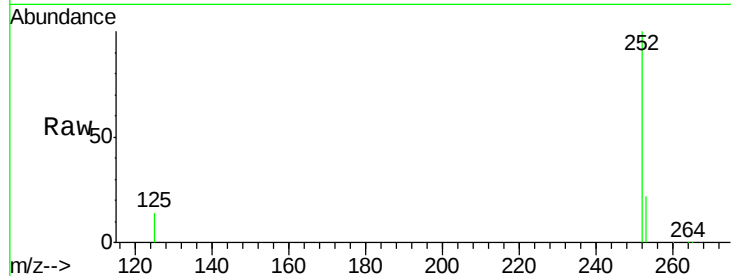
ClientSampleId :

IMPACT-PS-001MSD

Tgt Ion:	252	Resp:	242652
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.4	26.2
125	13.9	11.0	16.6

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#26

Benzo(k)fluoranthene

Concen: 5.29 ng

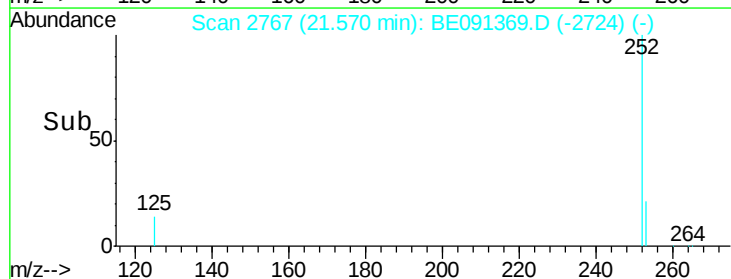
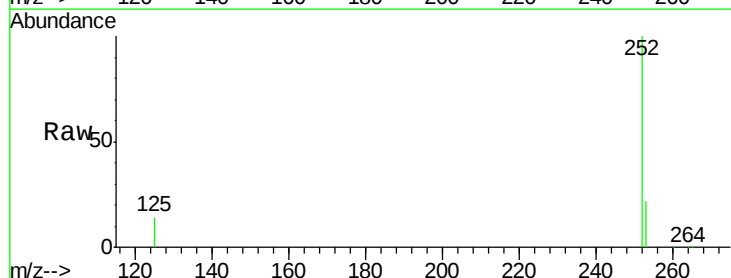
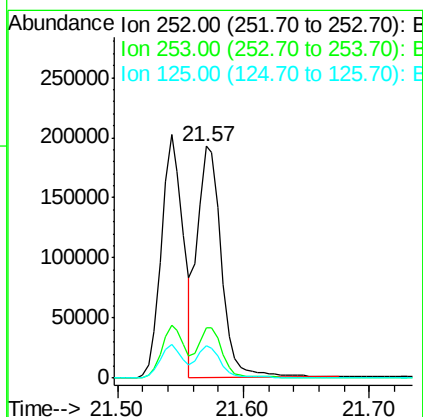
RT: 21.57 min Scan# 2767

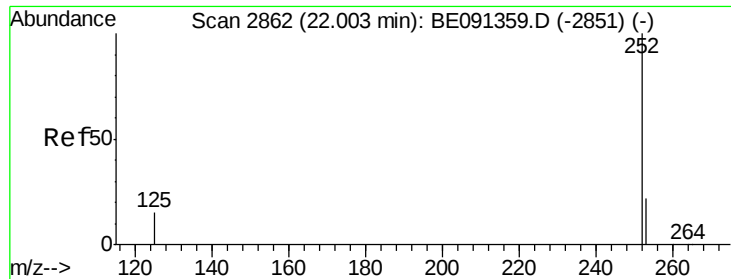
Delta R.T. -0.00 min

Lab File: BE091369.D

Acq: 15 Jan 2016 2:41

Tgt Ion:	252	Resp:	251648
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	14.1	11.3	16.9





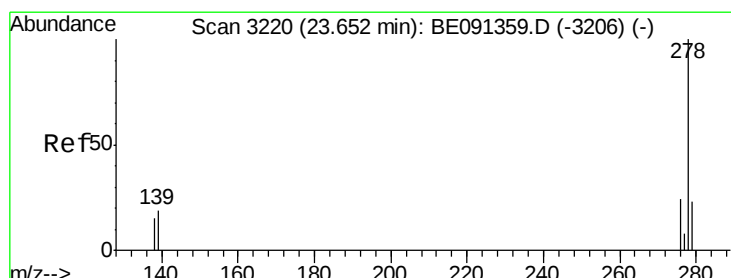
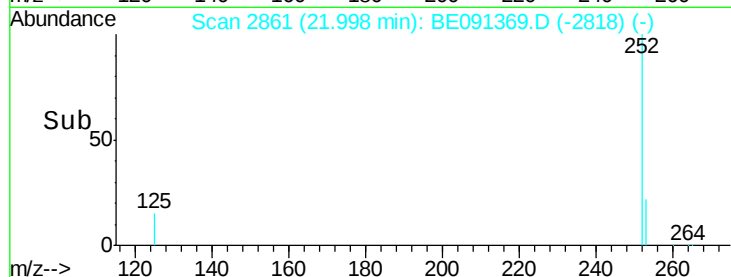
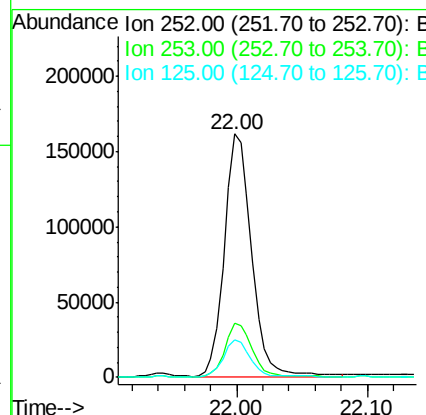
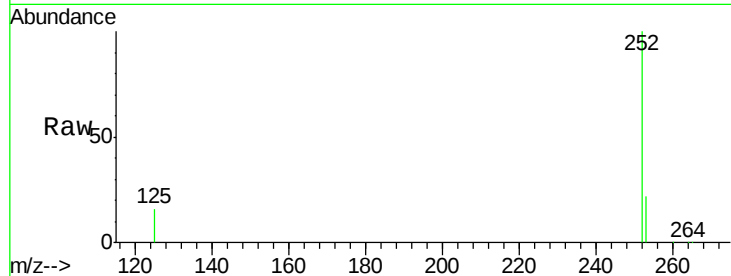
#27
Benzo(a)pyrene
Concen: 5.65 ng
RT: 22.00 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Instrument :
BNA_E
ClientSampleId :
IMPACT-PS-001MSD

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	231999		
253	22.1	18.1	27.1	
125	15.6	12.2	18.4	

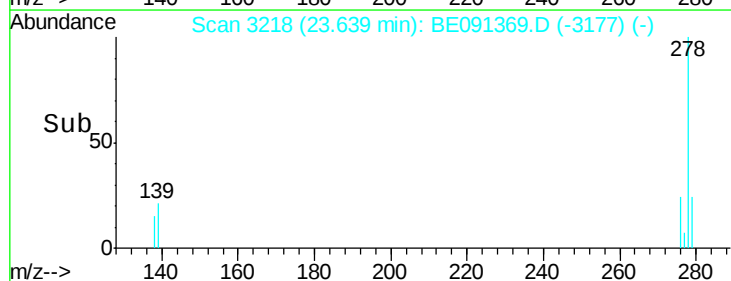
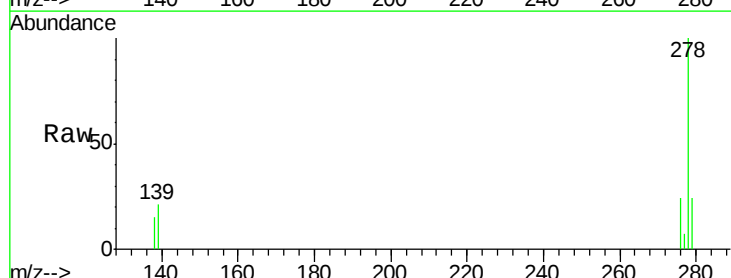
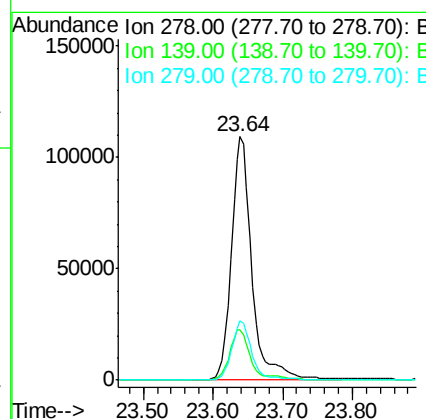
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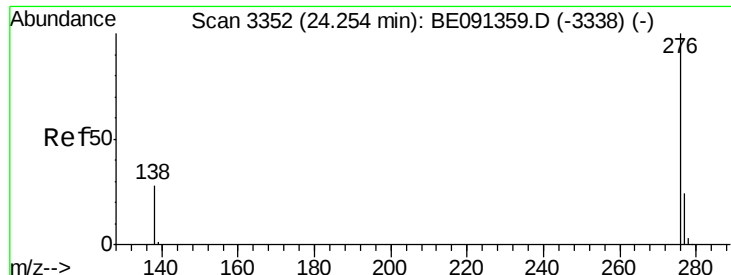
mohammad
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#28
Dibenzo(a,h)anthracene
Concen: 5.97 ng
RT: 23.64 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BE091369.D
Acq: 15 Jan 2016 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	225855		
139	20.9	16.3	24.5	
279	24.3	19.4	29.2	





#29

Benzo(g,h,i)perylene

Concen: 5.90 ng

RT: 24.24 min Scan# 3350

Delta R.T. -0.01 min

Lab File: BE091369.D

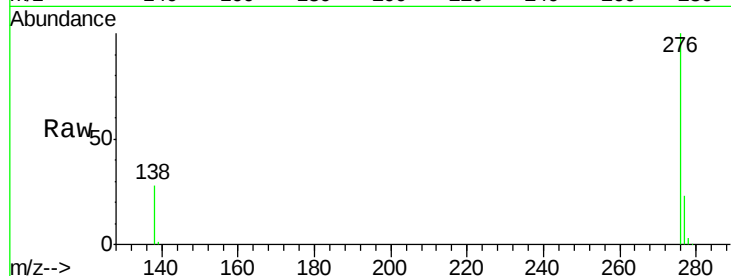
Acq: 15 Jan 2016 2:41

Instrument :

BNA_E

ClientSampleId :

IMPACT-PS-001MSD



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.4	19.8	29.6		
138	28.2	23.3	34.9		

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