

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091365.D
 Acq On : 15 Jan 2016 00:12
 Operator : UM/IZ
 Sample : PB87820BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB87820BS

Manual Integrations
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Quant Time: Jan 15 15:15:59 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	20665	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	92710	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	43160	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	121791	5.00	ng	0.00
18) Chrysene-d12	20.22	240	149721	5.00	ng	0.00
24) Perylene-d12	22.10	264	106639	5.00	ng	0.00

System Monitoring Compounds

2) 2-Fluorophenol	4.92	112	18769	6.11	ng	-0.03
3) Phenol-d6	6.54	99	34717	6.25	ng	-0.03
5) Nitrobenzene-d5	8.15	82	22660	4.22	ng	-0.02
9) 2,4,6-Tribromophenol	14.88	330	7635	5.24	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	46212	4.95	ng	-0.01
20) Terphenyl-d14	18.62	244	72714	3.50	ng	0.00

Target Compounds

						Qvalue
6) Naphthalene	9.59	128	71409	3.61	ng	99
7) 2-Methylnaphthalene	11.12	142	36364	3.16	ng	95
11) Acenaphthylene	13.10	152	278074	3.54	ng	99
12) Acenaphthene	13.41	154	48795	3.98	ng	84
13) Fluorene	14.40	166	71099	4.17	ng	96
15) Phenanthrene	16.11	178	125425	4.16	ng	100
16) Anthracene	16.20	178	106368	3.71	ng	100
17) Fluoranthene	18.09	202	102879	3.34	ng	100
19) Pyrene	18.47	202	120691	3.41	ng	99
21) Benzo(a)anthracene	20.19	228	100892	3.26	ng	98
22) Chrysene	20.25	228	138760	3.82	ng	99
23) Indeno(1,2,3-cd)pyrene	23.69	276	105376m	3.06	ng	
25) Benzo(b)fluoranthene	21.55	252	109243	4.11	ng	99
26) Benzo(k)fluoranthene	21.57	252	117428	3.91	ng	99
27) Benzo(a)pyrene	22.00	252	84283	3.30	ng	98
28) Dibenzo(a,h)anthracene	23.65	278	68290	3.03	ng	100
29) Benzo(g,h,i)perylene	24.25	276	83074	3.30	ng	97

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

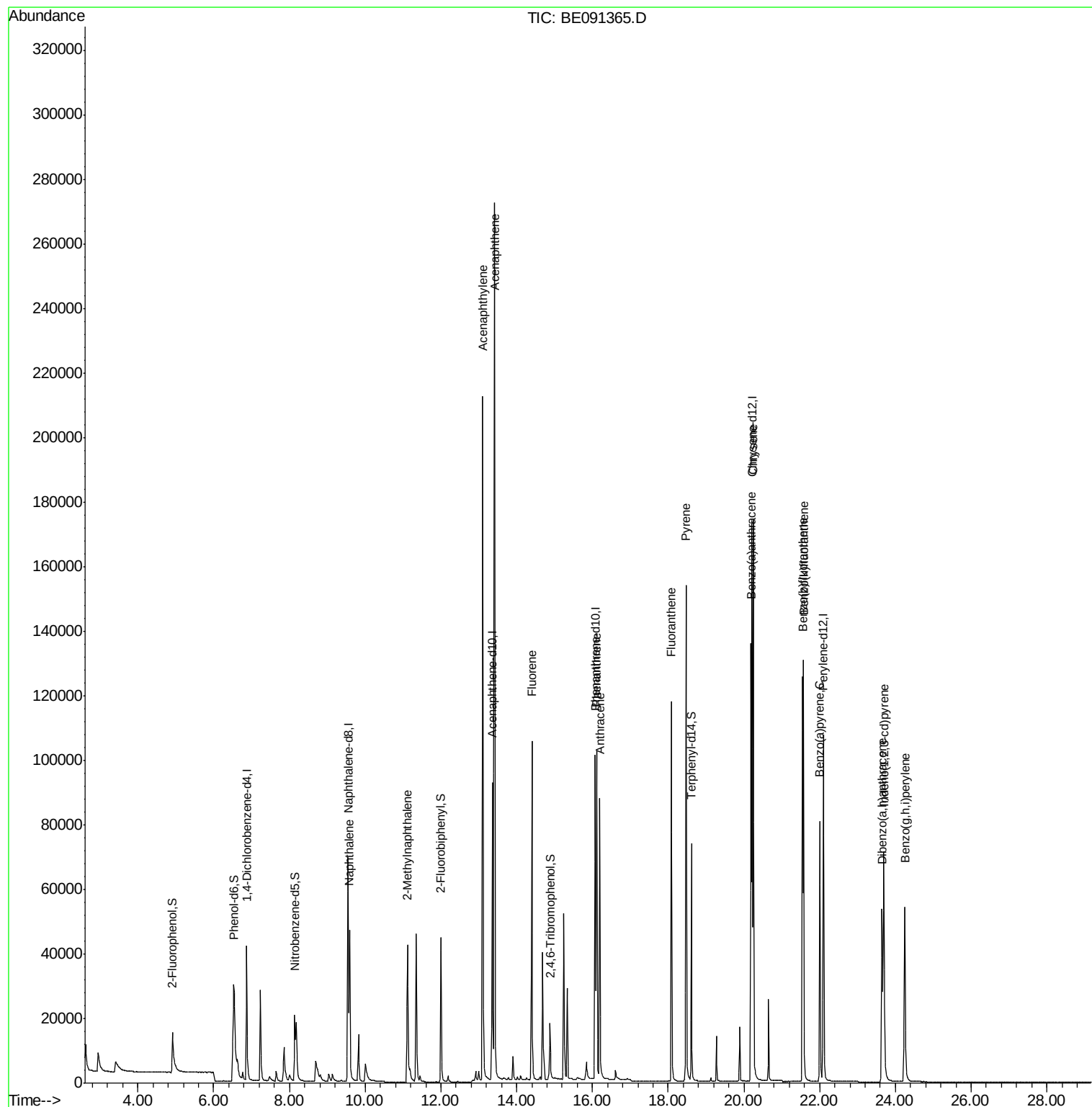
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
Data File : BE091365.D
Acq On : 15 Jan 2016 00:12
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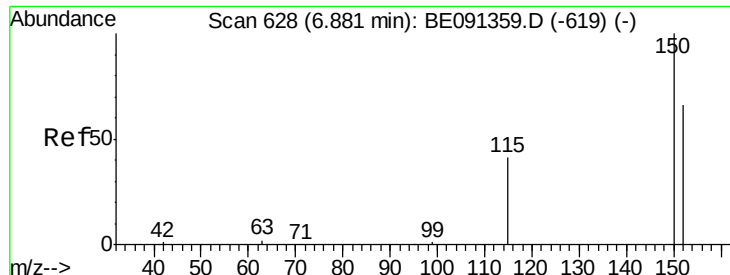
Instrument :
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PB87820BS

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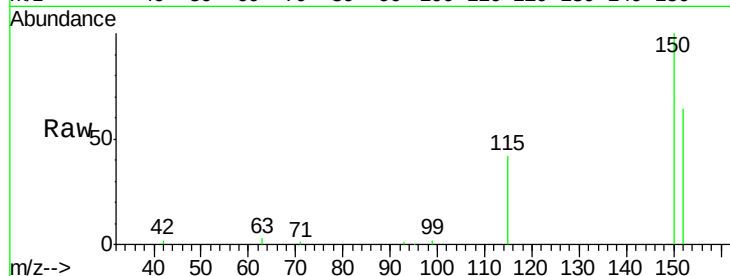
Quant Time: Jan 15 15:15:59 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 23:29:02 2016
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.87 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

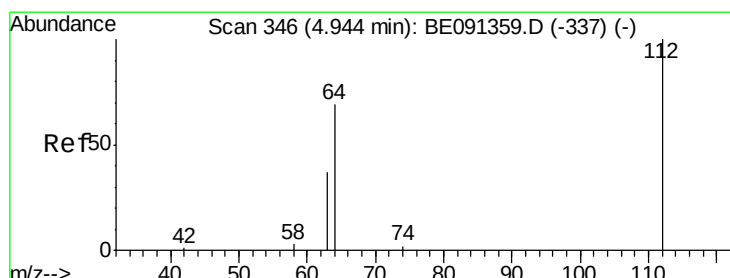
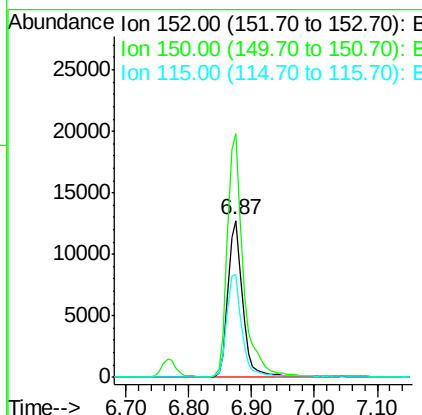
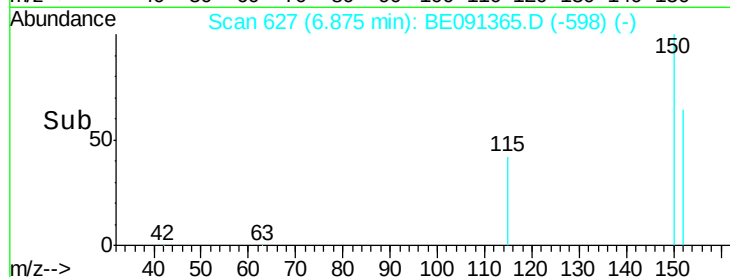
Instrument :
 BNA_E
 ClientSampleId :
 PB87820BS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.1	121.6	182.4
115	65.9	50.6	75.8

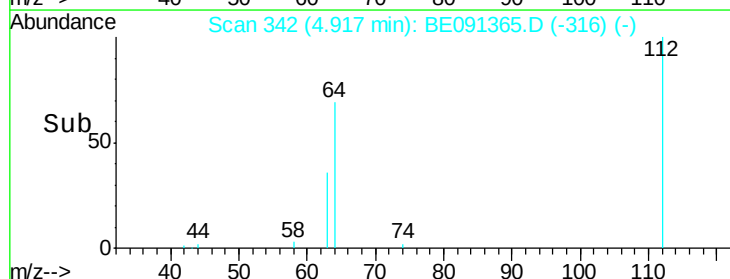
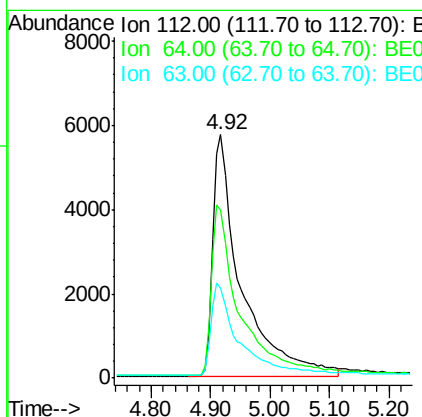
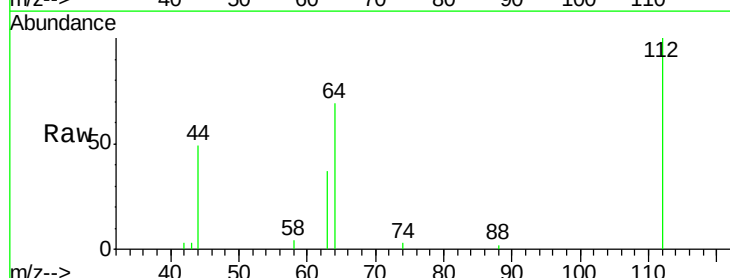
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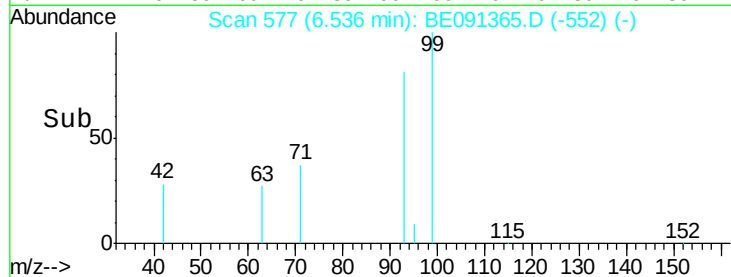
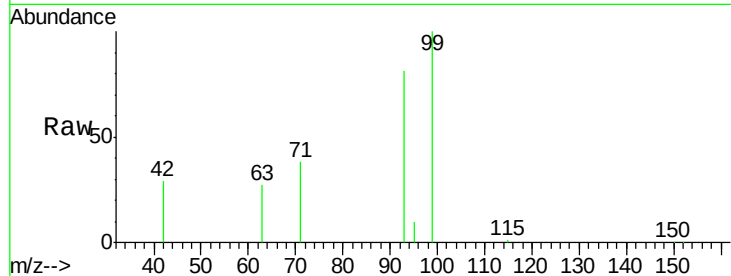
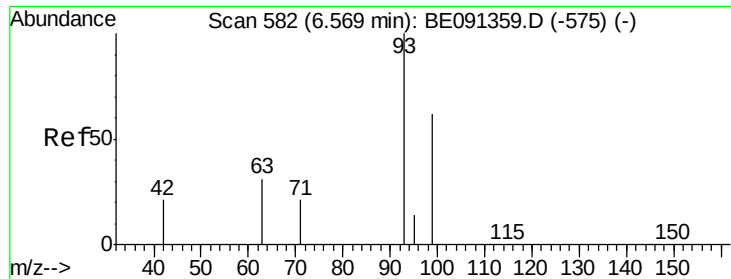
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#2
 2-Fluorophenol
 Concen: 6.11 ng
 RT: 4.92 min Scan# 342
 Delta R.T. -0.03 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	57.4	86.0
63	38.8	32.2	48.2





#3

Phenol-d6

Concen: 6.25 ng

RT: 6.54 min Scan# 577

Delta R.T. -0.03 min

Lab File: BE091365.D

Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	34717		
42	23.5	22.9	34.3	
71	35.4	35.4	53.2	

Instrument :

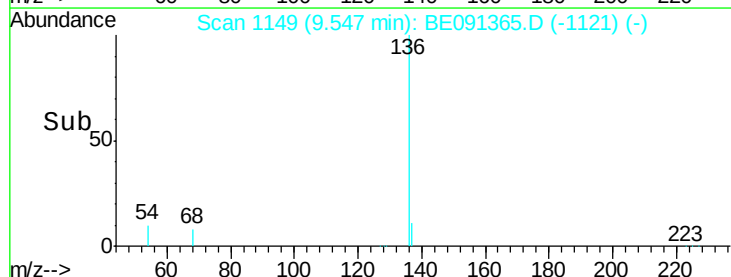
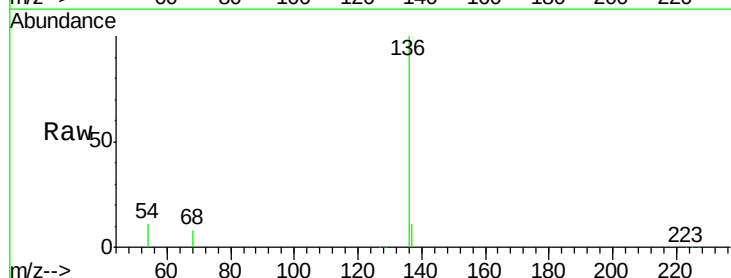
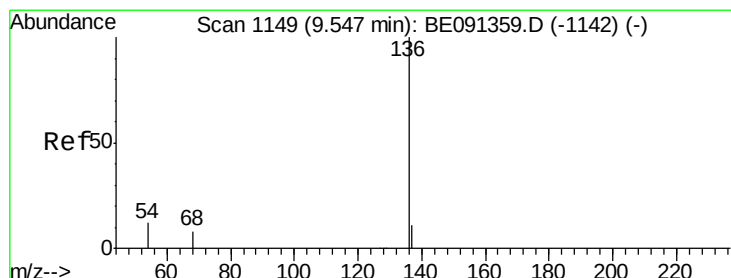
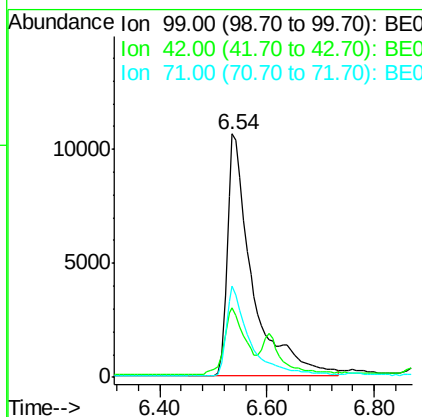
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ClientSampleId :

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#4

Naphthalene-d8

Concen: 5.00 ng

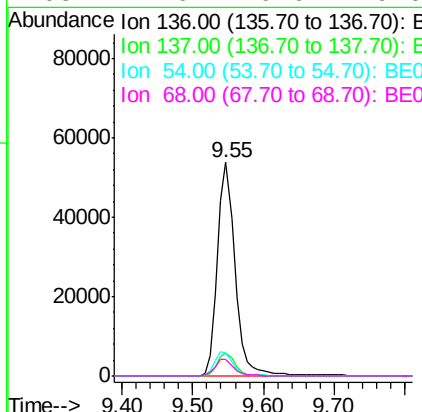
RT: 9.55 min Scan# 1149

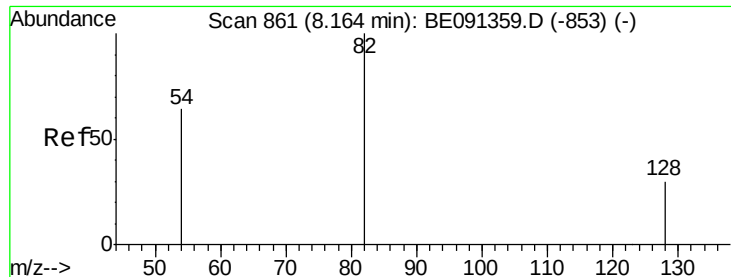
Delta R.T. 0.00 min

Lab File: BE091365.D

Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	92710		
137	11.1	8.7	13.1	
54	10.6	9.8	14.6	
68	7.6	6.6	10.0	





#5

Nitrobenzene-d5

Concen: 4.22 ng

RT: 8.15 min Scan# 857

Delta R.T. -0.02 min

Lab File: BE091365.D

Acq: 15 Jan 2016 00:12

Instrument :

BNA_E

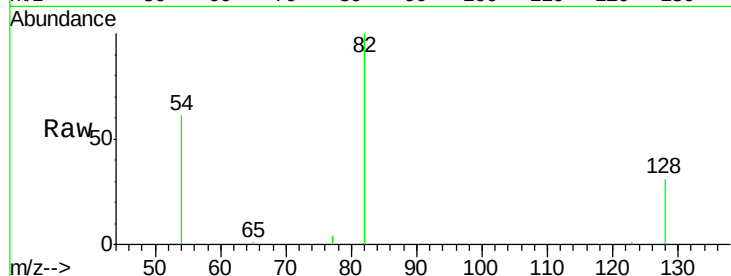
ClientSampleId :

PB87820BS

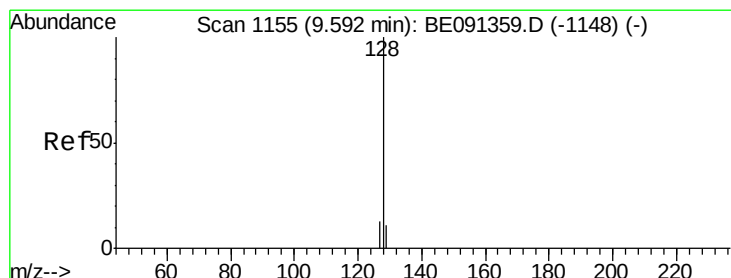
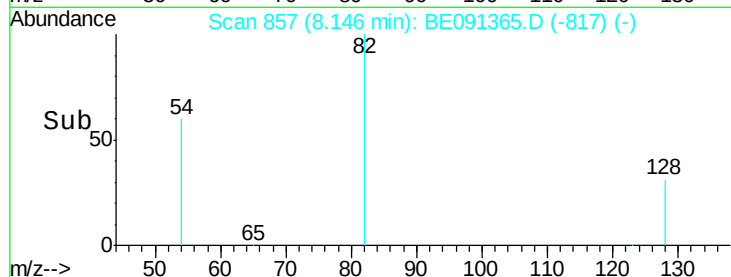
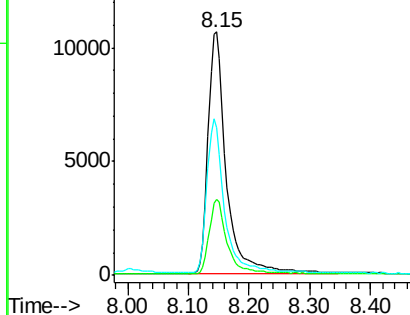
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Tgt Ion:	82	Resp:	22660
Ion Ratio	Lower	Upper	
82	100		
128	31.1	24.6	36.8
54	60.8	52.7	79.1



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



#6

Naphthalene

Concen: 3.61 ng

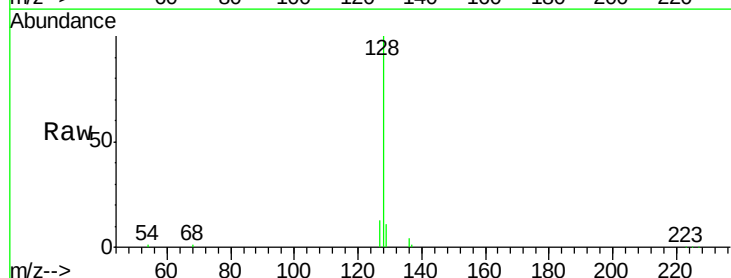
RT: 9.59 min Scan# 1155

Delta R.T. 0.00 min

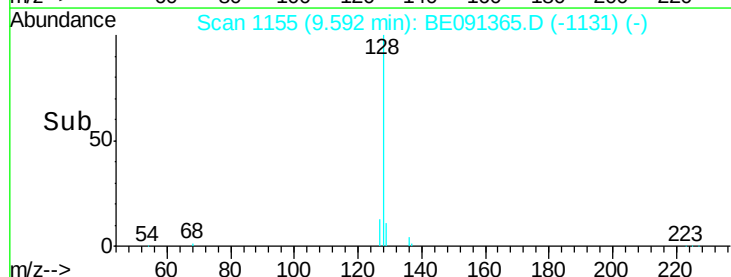
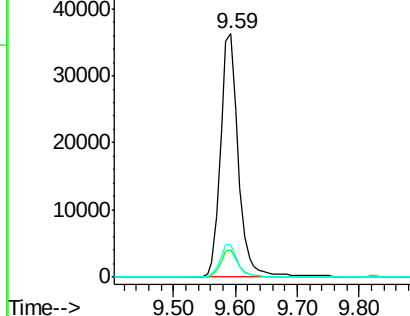
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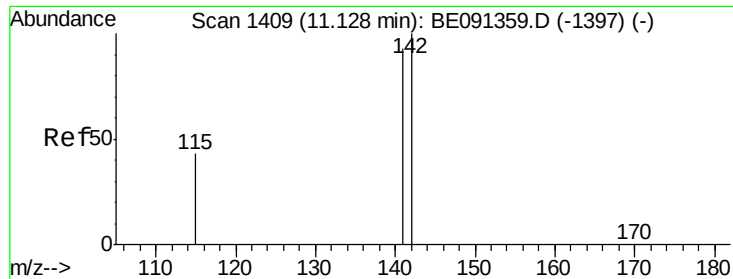
Acq: 15 Jan 2016 00:12

Tgt Ion:	128	Resp:	71409
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.3	13.9
127	13.2	10.6	15.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 3.16 ng

RT: 11.12 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BE091365.D

Acq: 15 Jan 2016 00:12

Instrument :

BNA_E

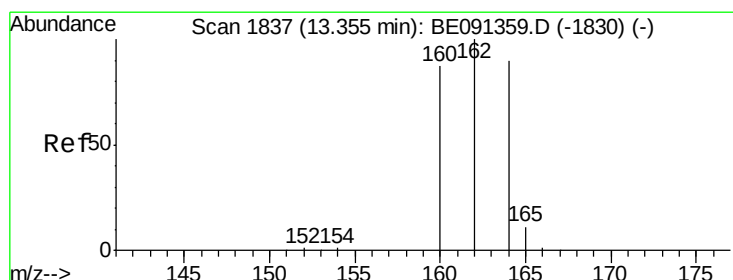
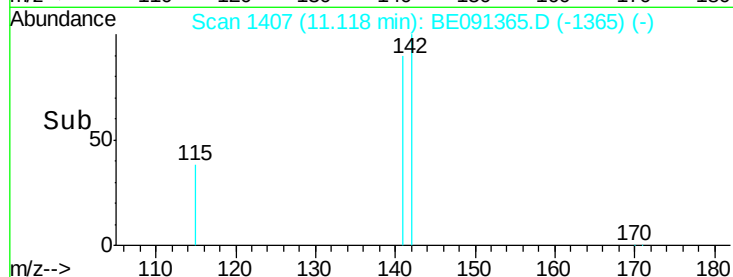
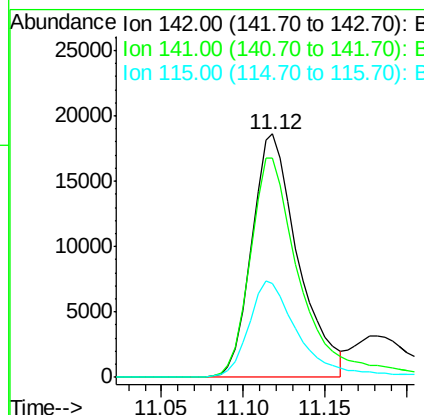
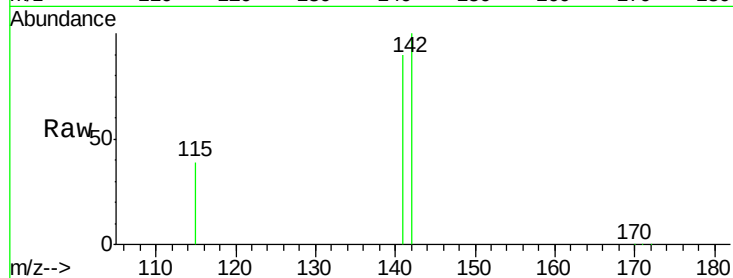
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Tgt Ion:	142	Resp:	36364
Ion Ratio	Lower	Upper	
142	100		
141	90.3	74.5	111.7
115	38.5	35.2	52.8



#8

Acenaphthene-d10

Concen: 5.00 ng

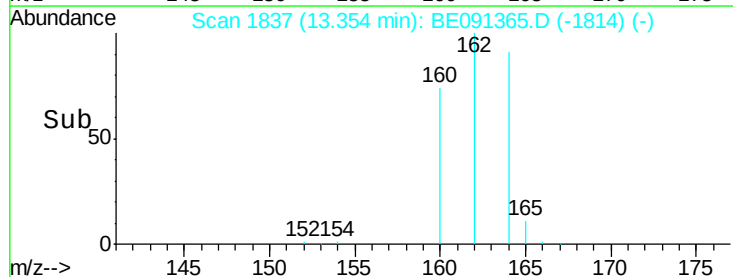
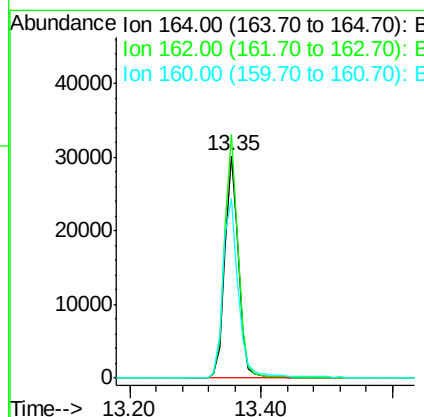
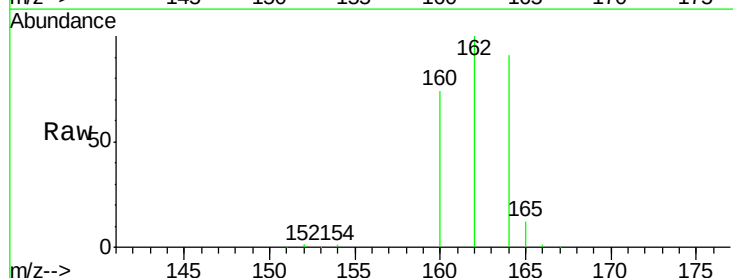
RT: 13.35 min Scan# 1837

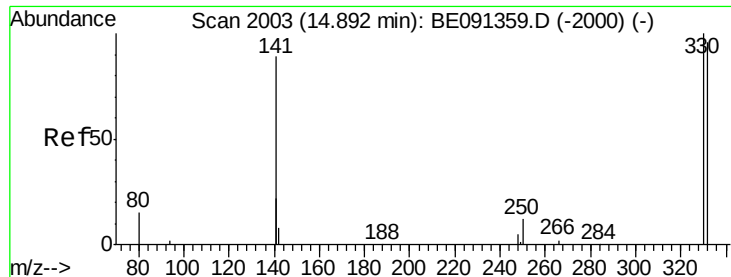
Delta R.T. -0.00 min

Lab File: BE091365.D

Acq: 15 Jan 2016 00:12

Tgt Ion:	164	Resp:	43160
Ion Ratio	Lower	Upper	
164	100		
162	109.7	88.5	132.7
160	81.2	76.7	115.1





#9

2,4,6-Tribromophenol

Concen: 5.24 ng

RT: 14.88 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091365.D

Acq: 15 Jan 2016 00:12

Instrument :

BNA_E

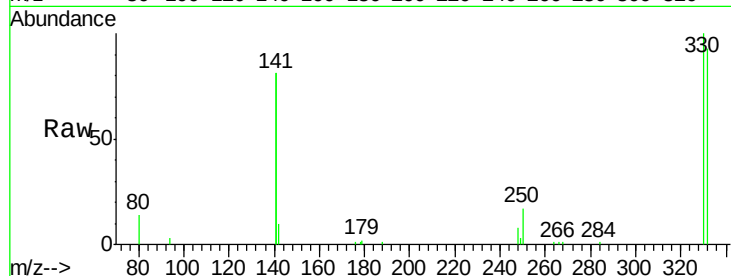
ClientSampleId :

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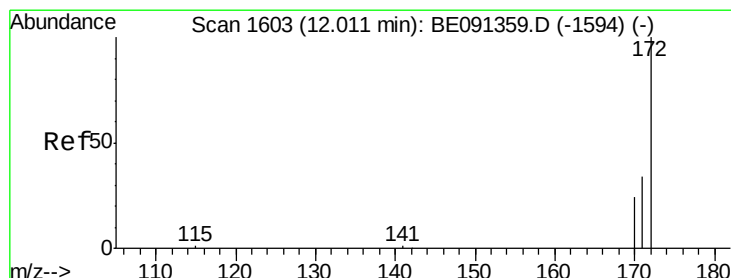
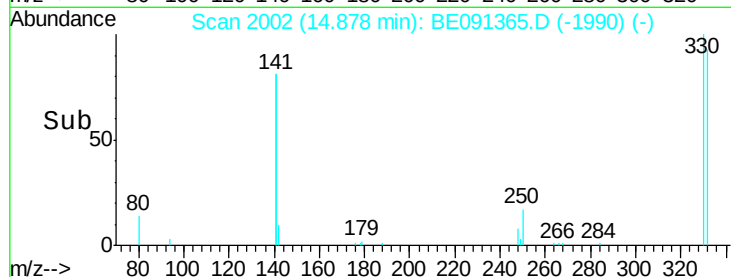
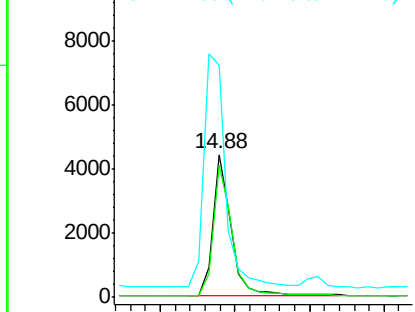
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Tgt Ion:	330	Resp:	7635
Ion Ratio	Lower	Upper	
330	100		
332	95.6	78.6	118.0
141	191.5	147.8	221.8



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: 4.95 ng

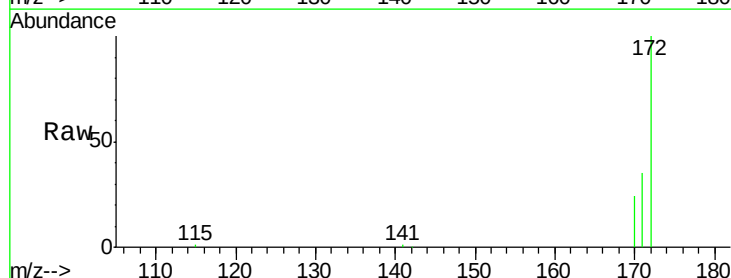
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Delta R.T. -0.01 min

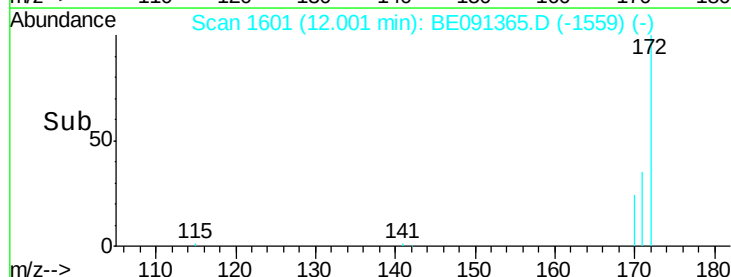
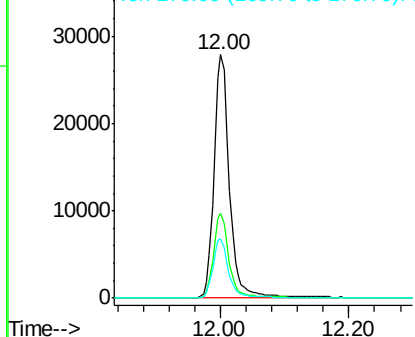
Lab File: BE091365.D

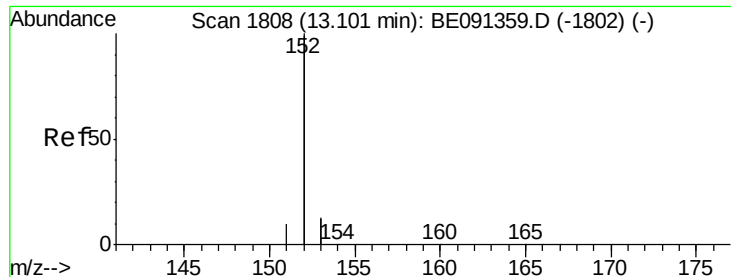
Acq: 15 Jan 2016 00:12

Tgt Ion:	172	Resp:	46212
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.3	40.9
170	24.3	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





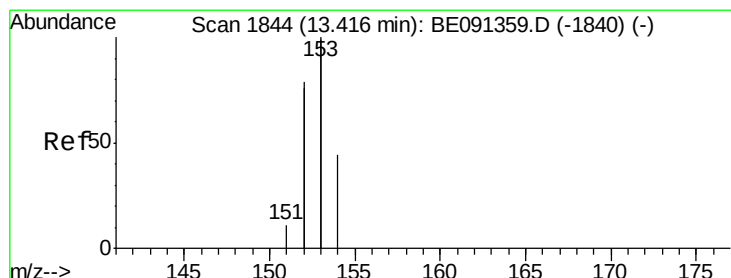
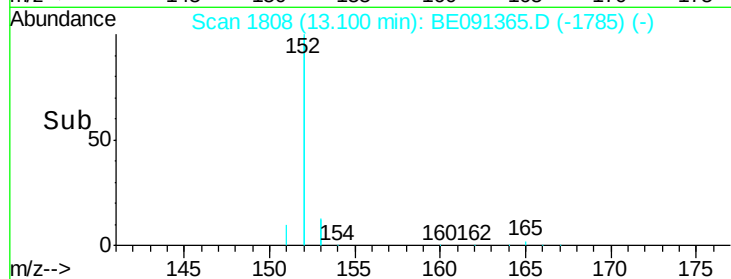
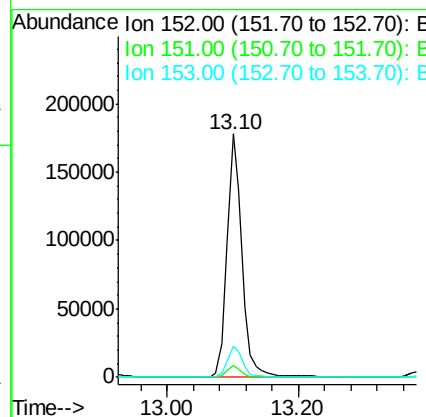
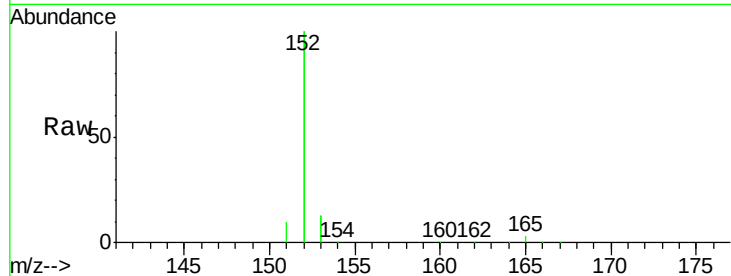
#11
Acenaphthylene
Concen: 3.54 ng
RT: 13.10 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Instrument :
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PB87820BS

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

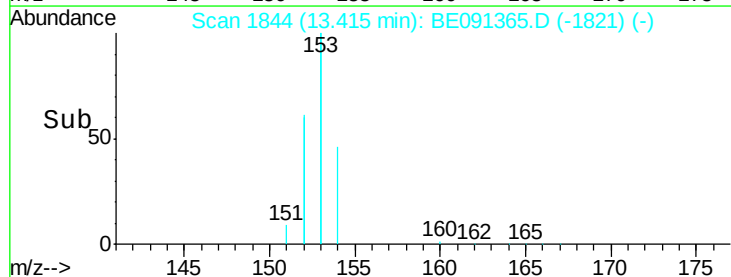
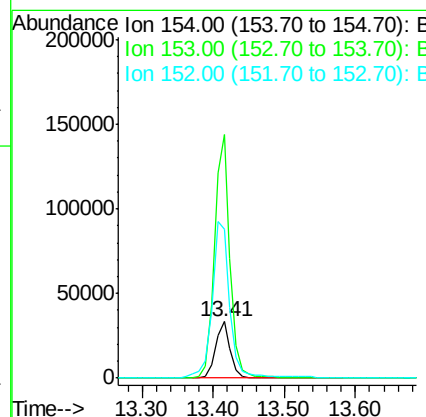
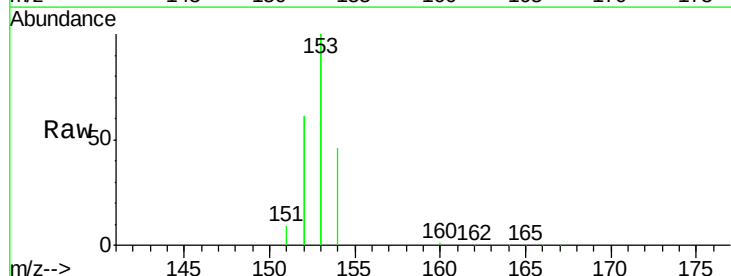
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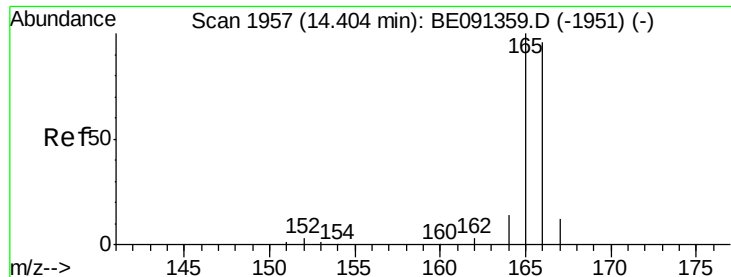
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#12
Acenaphthene
Concen: 3.98 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	448.6	370.2	555.4
152	322.3	310.5	465.7





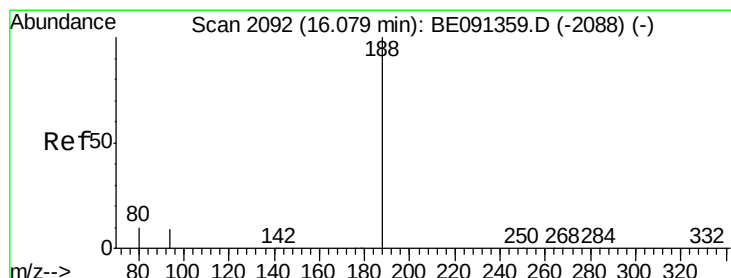
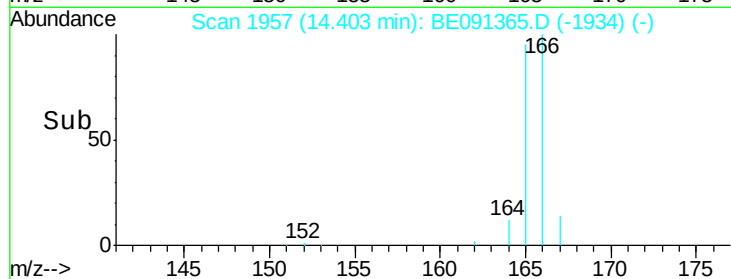
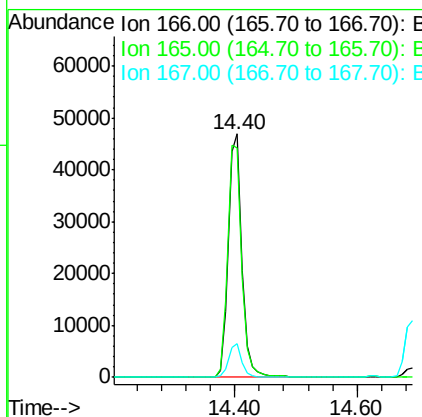
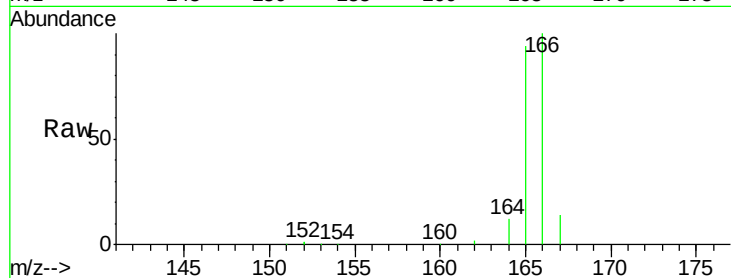
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Fluorene
 Concen: 4.17 ng
 RT: 14.40 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

Instrument :
 BNA_E
 ClientSampleId :
 PB87820BS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	83.0	124.6
167	13.5	11.1	16.7

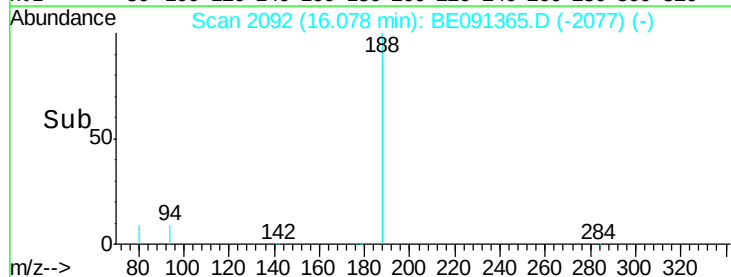
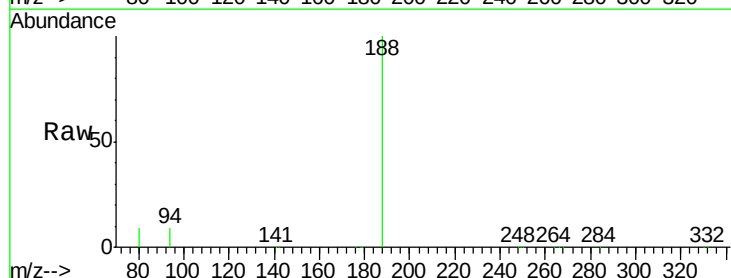
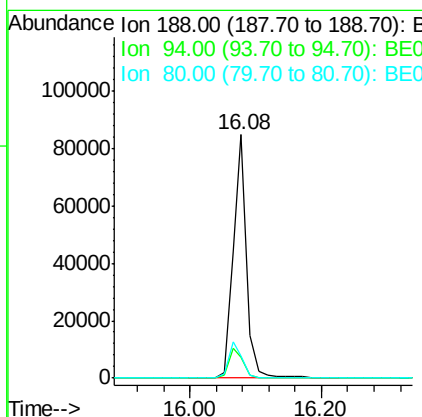
Manual Integrations
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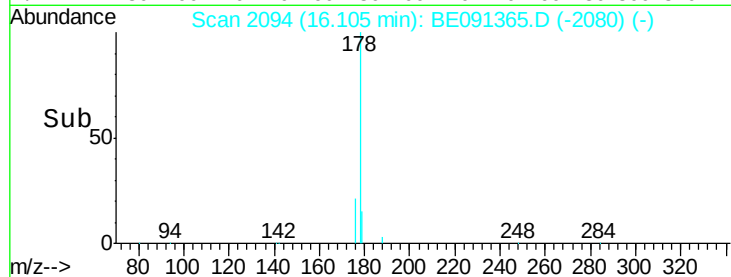
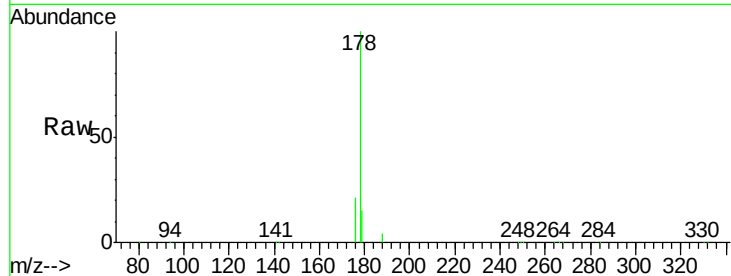
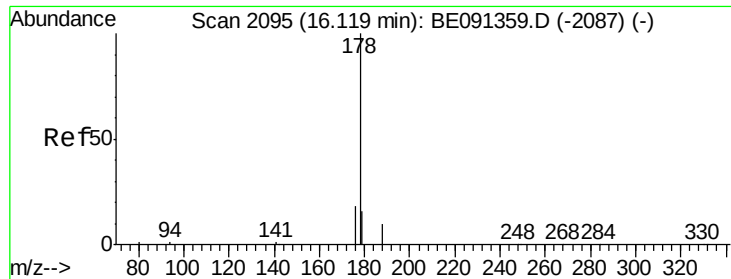
mohammad
 1/15/2016 3:39:28 PM



#14
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.08 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.5	11.3
80	9.1	8.2	12.2





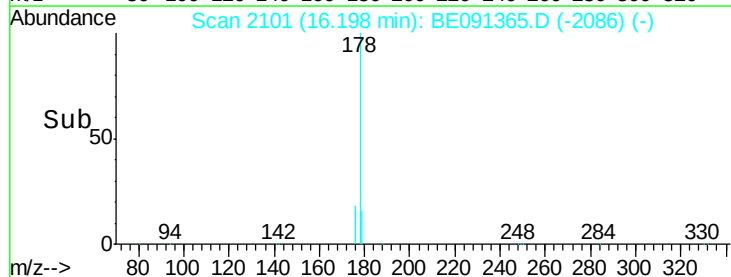
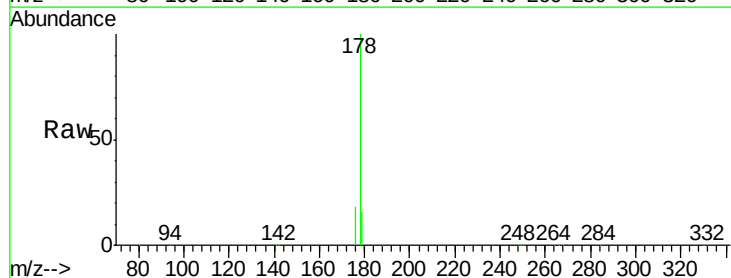
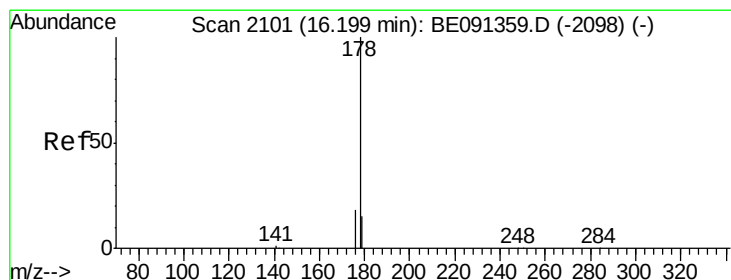
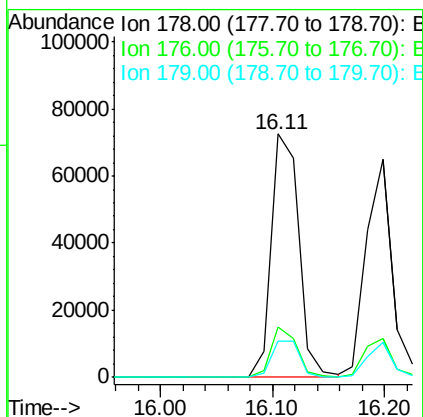
#15
Phenanthrene
Concen: 4.16 ng
RT: 16.11 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.8	19.2

Instrument :
BNA_E
ClientSampleId :
PB87820BS

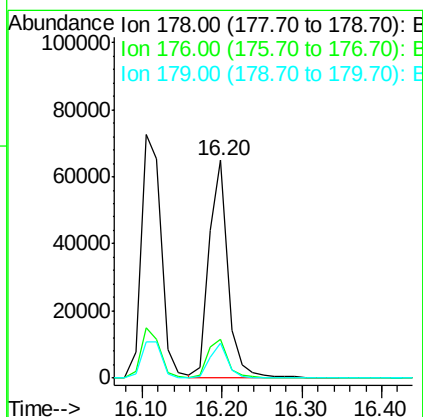
Manual Integrations
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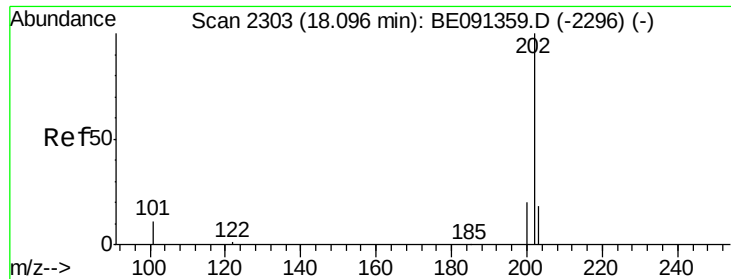
mohammad
1/15/2016 3:39:28 PM



#16
Anthracene
Concen: 3.71 ng
RT: 16.20 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.4	18.6





#17

Fluoranthene

Concen: 3.34 ng

RT: 18.09 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE091365.D

Acq: 15 Jan 2016 00:12

Instrument :

BNA_E

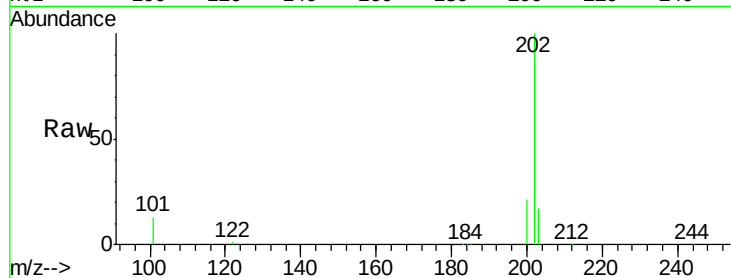
ClientSampleId :

PB87820BS

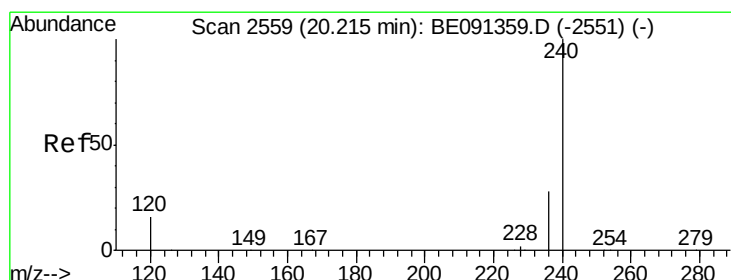
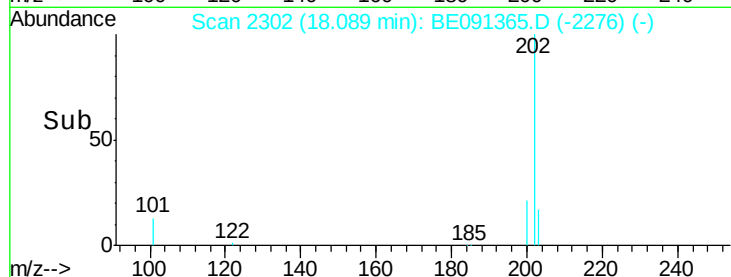
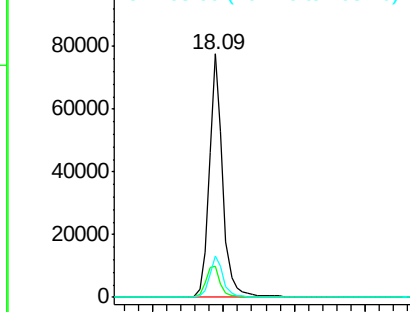
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	102879		
101	14.0		11.0	16.4
203	17.3		13.9	20.9

Manual Integrations
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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

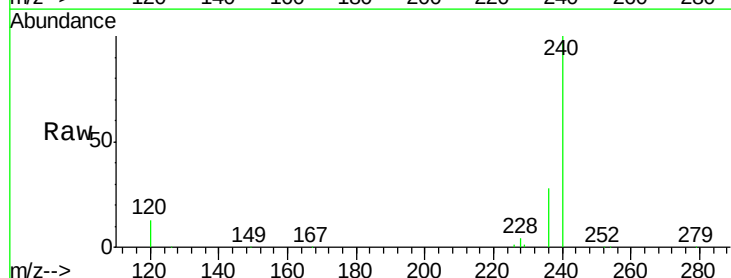
RT: 20.22 min Scan# 2559

Delta R.T. 0.00 min

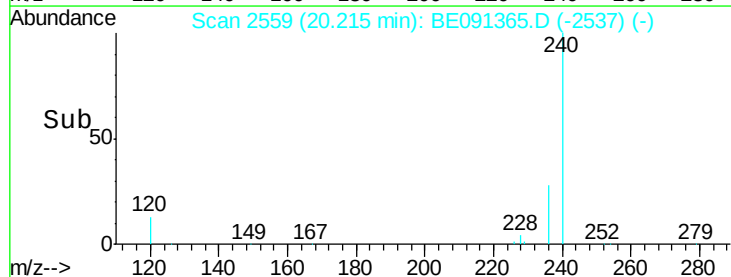
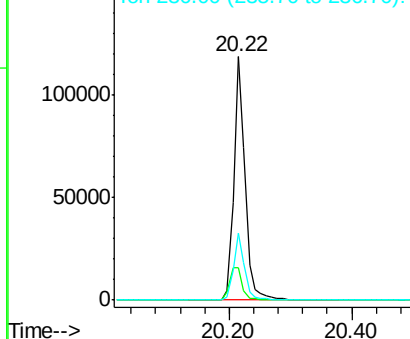
Lab File: BE091365.D

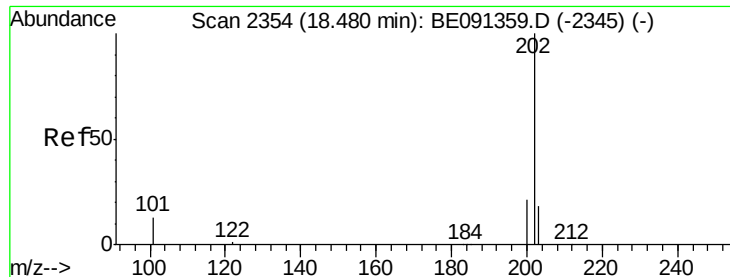
Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	149721		
120	13.1		12.6	19.0
236	27.7		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





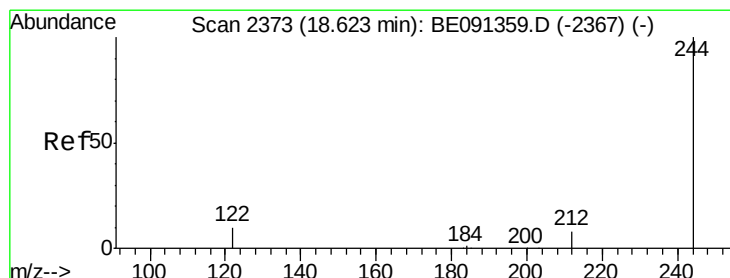
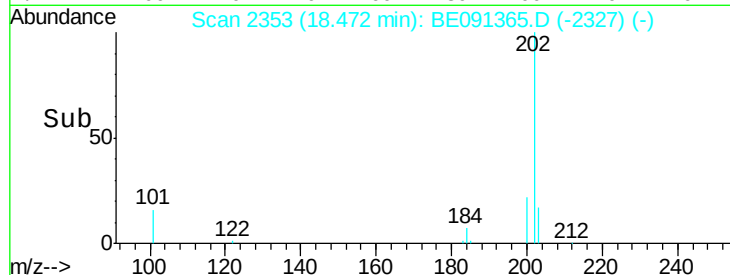
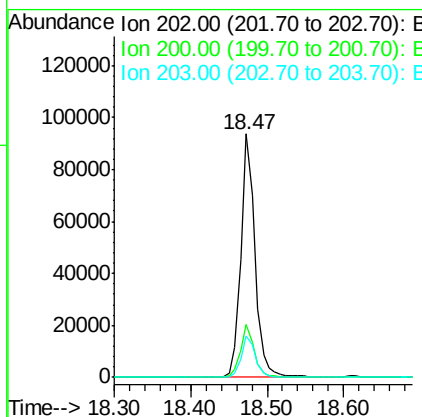
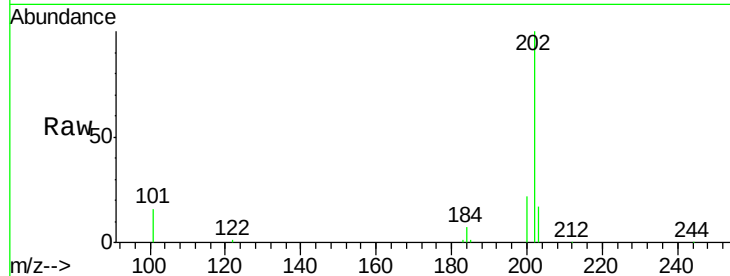
#19
 Pyrene
 Concen: 3.41 ng
 RT: 18.47 min Scan# 2353
 Delta R.T. -0.01 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

Instrument :
 BNA_E
 ClientSampleId :
 PB87820BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.2	21.4

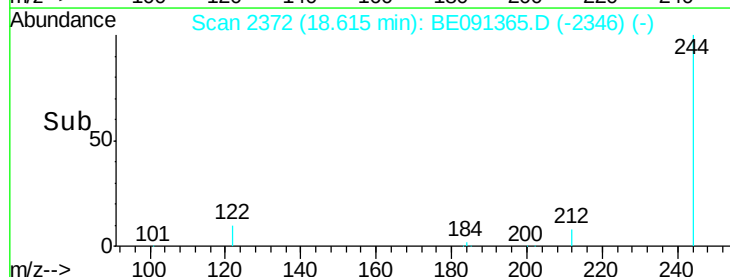
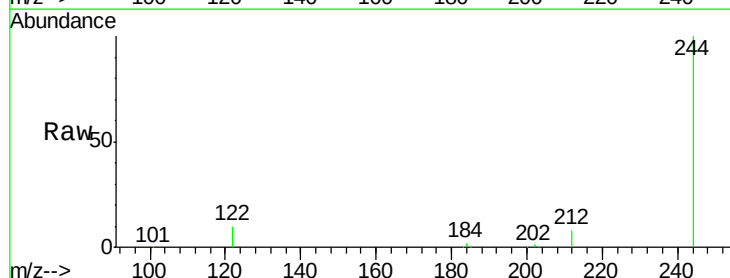
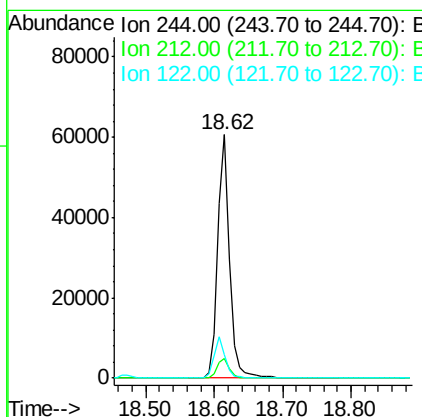
Manual Integrations
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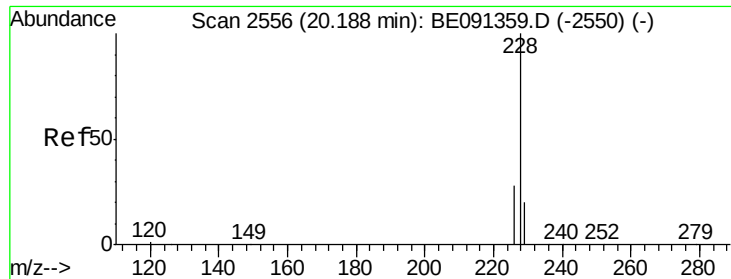
mohammad
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#20
 Terphenyl-d14
 Concen: 3.50 ng
 RT: 18.62 min Scan# 2372
 Delta R.T. -0.01 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.3	7.0	10.4
122	9.9	8.5	12.7





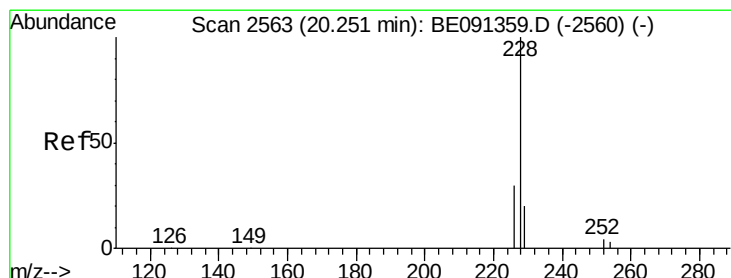
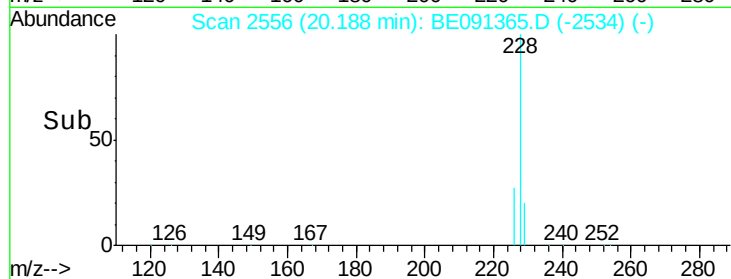
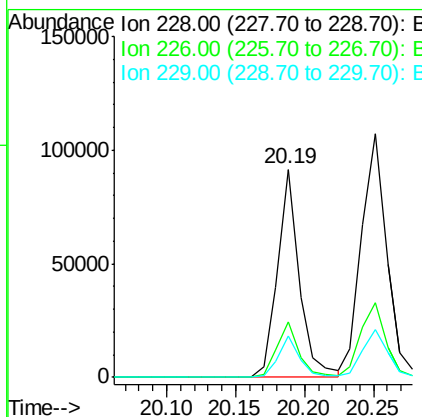
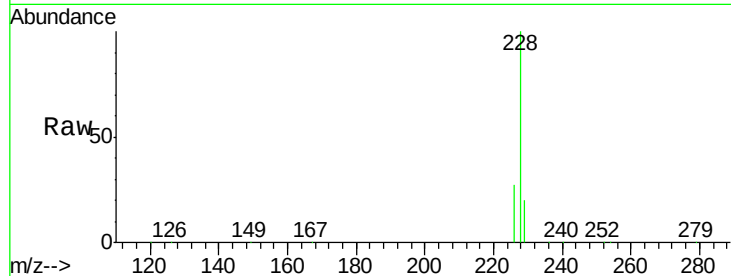
#21
Benzo(a)anthracene
Concen: 3.26 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Instrument :
BNA_E
ClientSampleId :
PB87820BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.5	33.7
229	19.8	16.2	24.4

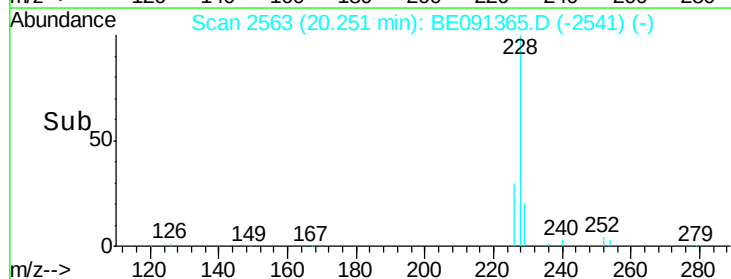
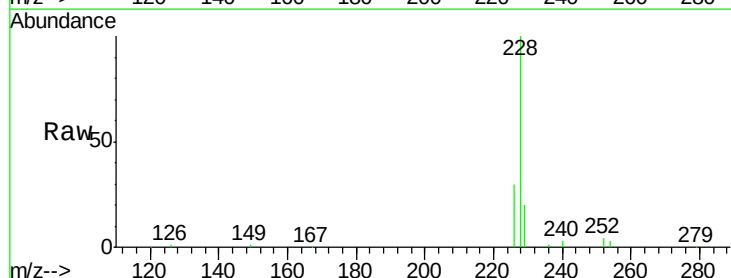
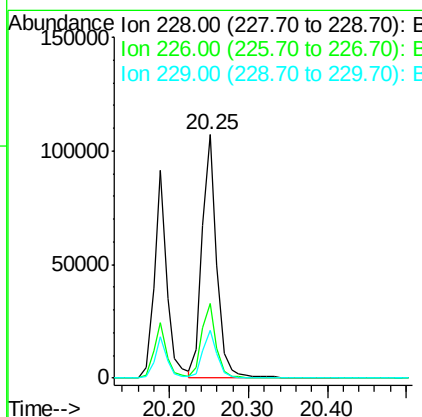
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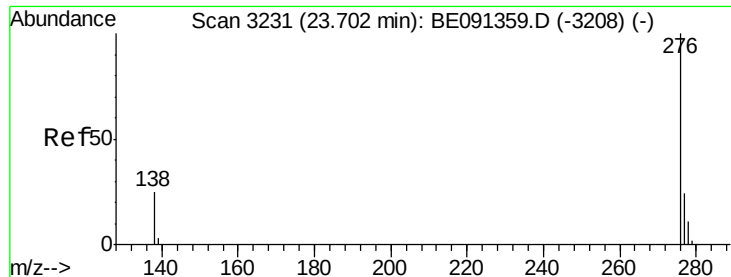
mohammad
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#22
Chrysene
Concen: 3.82 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

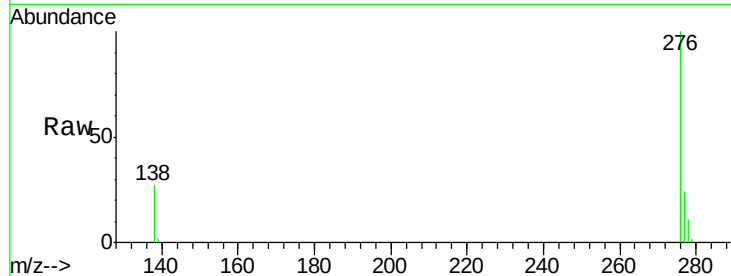
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	19.9	16.0	24.0





#23
 Indeno(1,2,3-cd)pyrene
 Concen: 3.06 ng m
 RT: 23.69 min Scan# 3230
 Delta R.T. -0.01 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

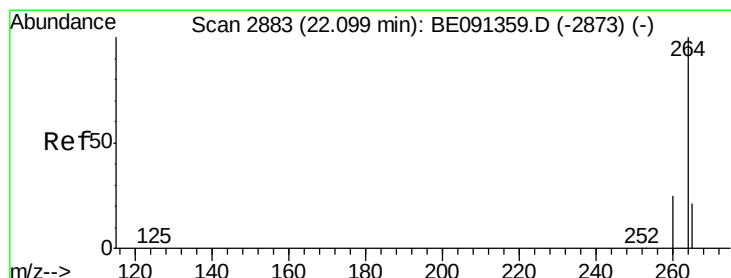
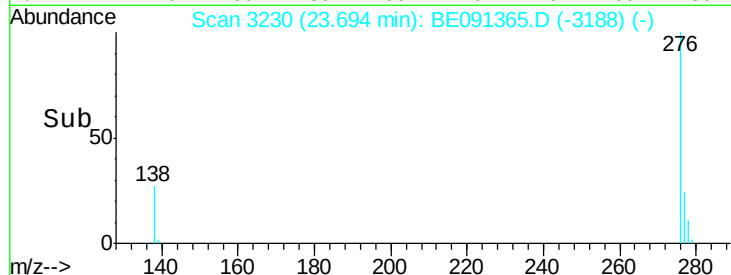
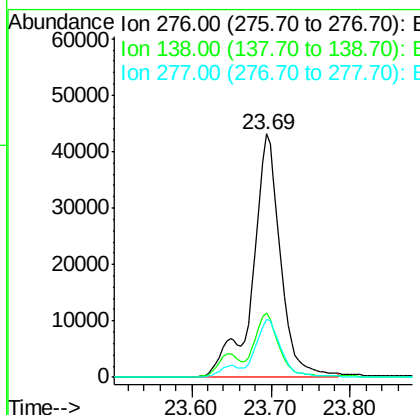
Instrument :
 BNA_E
 ClientSampleId :
 PB87820BS



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	105376		
138	23.6	18.6	27.8	
277	21.3	16.5	24.7	

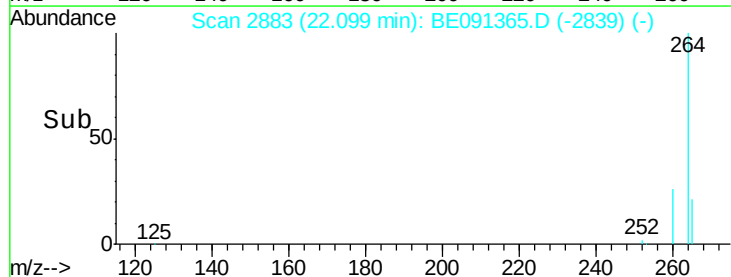
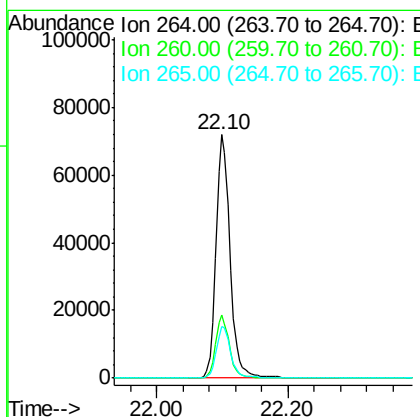
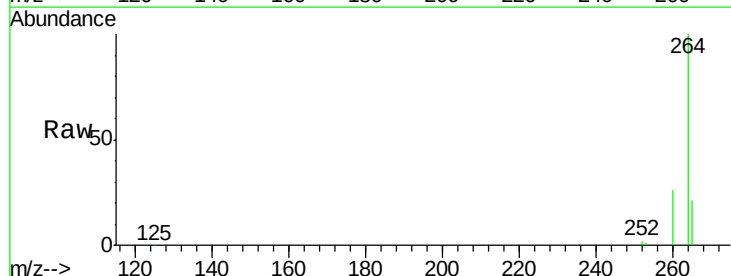
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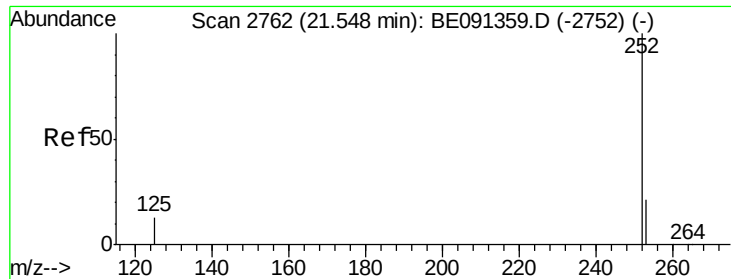
mohammad
 1/15/2016 3:39:28 PM



#24
 Perylene-d12
 Concen: 5.00 ng
 RT: 22.10 min Scan# 2883
 Delta R.T. -0.00 min
 Lab File: BE091365.D
 Acq: 15 Jan 2016 00:12

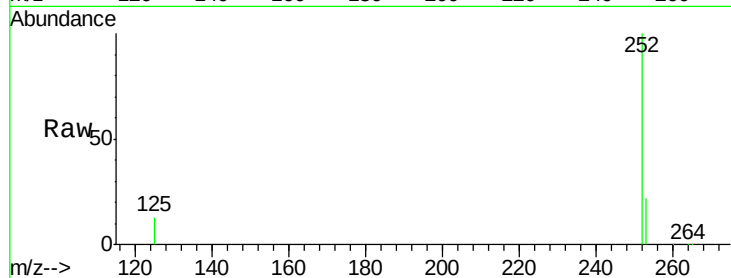
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	106639		
260	26.1	20.4	30.6	
265	21.1	17.2	25.8	





#25
Benzo(b)fluoranthene
Concen: 4.11 ng
RT: 21.55 min Scan# 2762
Delta R.T. -0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

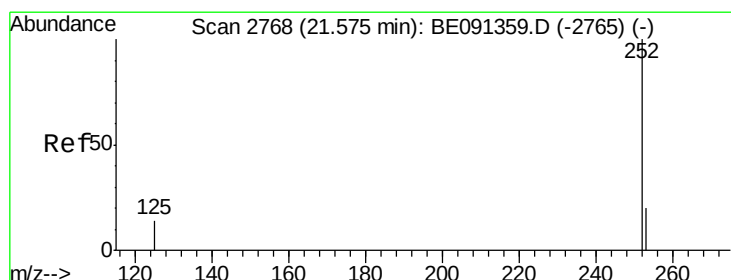
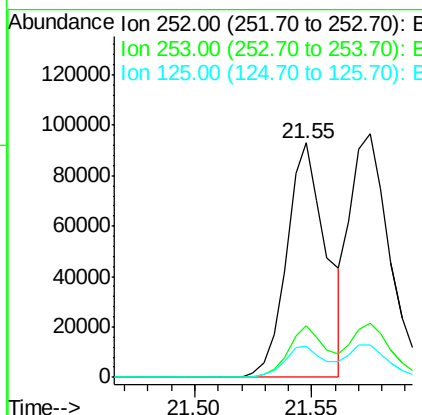
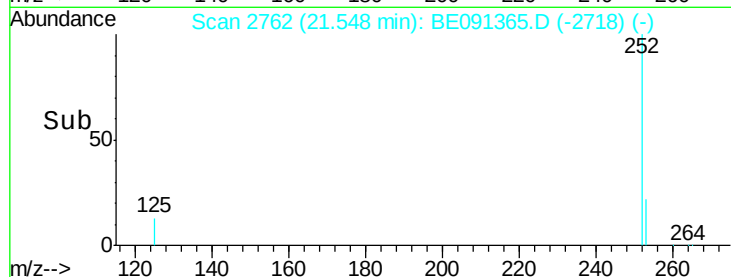
Instrument :
BNA_E
ClientSampleId :
PB87820BS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	13.1	11.0	16.6

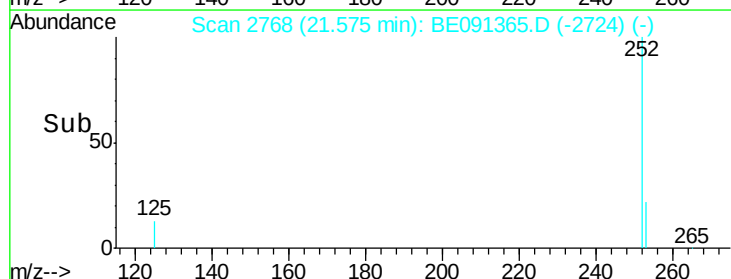
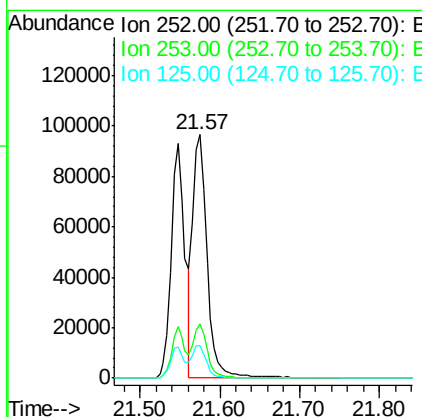
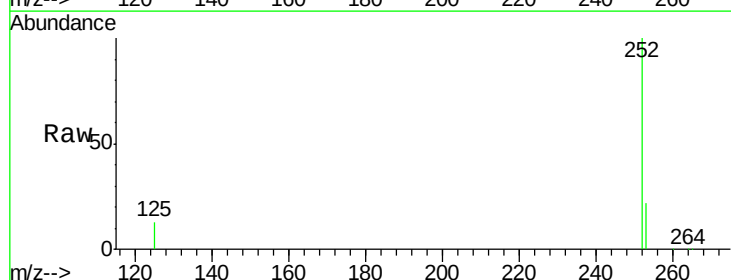
Manual Integrations
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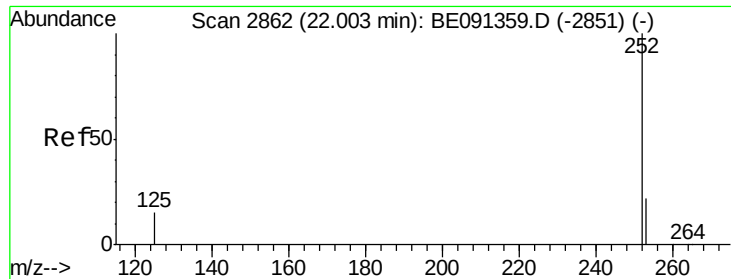
mohammad
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#26
Benzo(k)fluoranthene
Concen: 3.91 ng
RT: 21.57 min Scan# 2768
Delta R.T. -0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	13.2	11.3	16.9





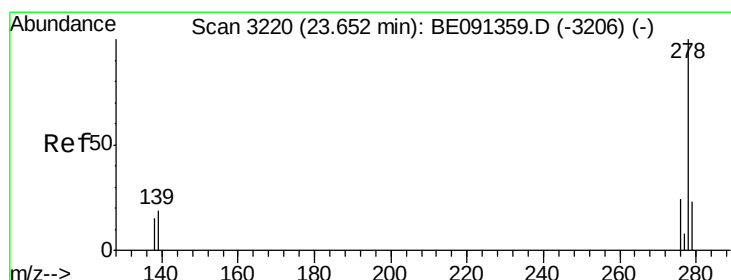
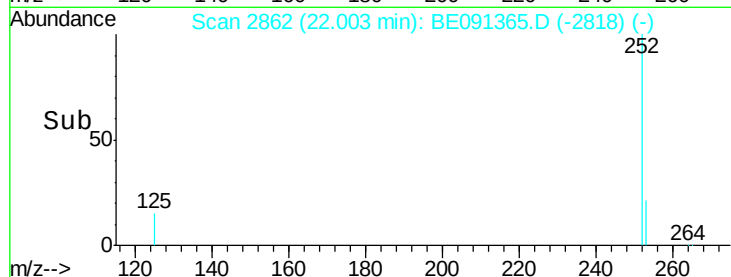
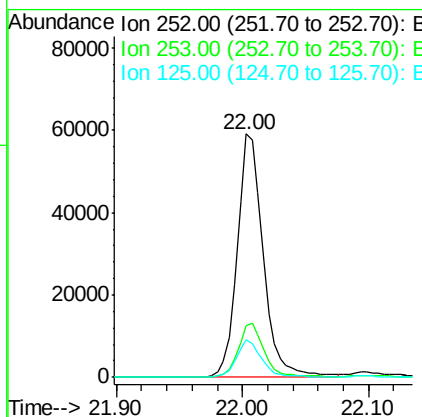
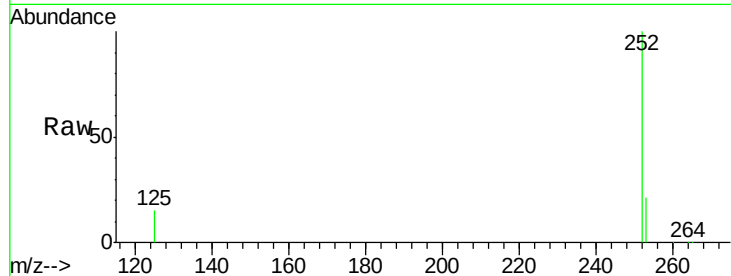
#27
Benzo(a)pyrene
Concen: 3.30 ng
RT: 22.00 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Instrument :
BNA_E
ClientSampleId :
PB87820BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	15.3	12.2	18.4

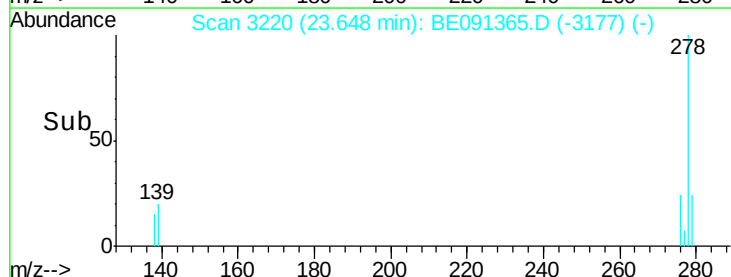
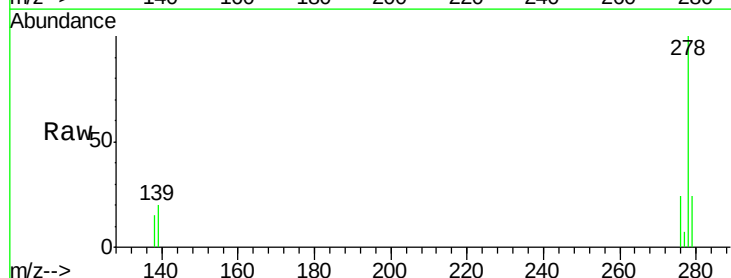
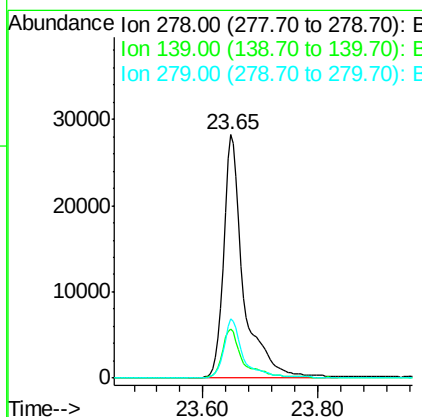
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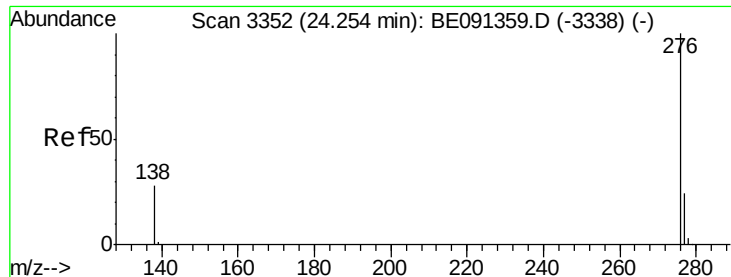
mohammad
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#28
Dibenzo(a,h)anthracene
Concen: 3.03 ng
RT: 23.65 min Scan# 3220
Delta R.T. -0.00 min
Lab File: BE091365.D
Acq: 15 Jan 2016 00:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	16.3	24.5
279	24.4	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 3.30 ng

RT: 24.25 min Scan# 3352

Delta R.T. -0.00 min

Lab File: BE091365.D

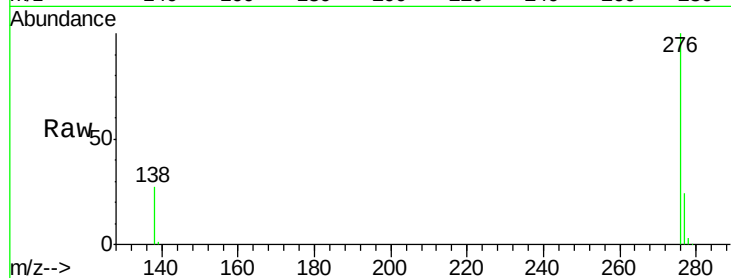
Acq: 15 Jan 2016 00:12

Instrument :

BNA_E

ClientSampleId :

PB87820BS



Tgt Ion: 276 Resp: 83074

Ion Ratio Lower Upper

276 100

277 23.9 19.8 29.6

138 27.3 23.3 34.9

Manual Integrations

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