

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091359.D
 Acq On : 14 Jan 2016 20:16
 Operator : UM/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Manual Integrations
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Quant Time: Jan 14 22:59:19 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 22:47:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	26791	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	118474	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	55919	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	164801	5.00	ng	0.00
18) Chrysene-d12	20.21	240	179978	5.00	ng	0.00
24) Perylene-d12	22.10	264	148353	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.94	112	2843	0.53	ng	0.00
3) Phenol-d6	6.57	99	3831	0.58	ng	0.00
5) Nitrobenzene-d5	8.16	82	6816	1.05	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	874	0.51	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	11338	0.77	ng	0.00
20) Terphenyl-d14	18.62	244	15010	0.68	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.59	128	25687	1.00	ng	100
7) 2-Methylnaphthalene	11.13	142	8235	0.58	ng	100
11) Acenaphthylene	13.10	152	65600	0.72	ng	100
12) Acenaphthene	13.42	154	15742	1.04	ng	100
13) Fluorene	14.40	166	17419	0.94	ng	100
15) Phenanthrene	16.12	178	41962	0.99	ng	100
16) Anthracene	16.20	178	27286	0.75	ng	100
17) Fluoranthene	18.10	202	32064	0.66	ng	100
19) Pyrene	18.48	202	21992	0.50	ng	100
21) Benzo(a)anthracene	20.19	228	19089	0.48	ng	100
22) Chrysene	20.25	228	43529	0.81	ng	100
23) Indeno(1,2,3-cd)pyrene	23.70	276	24857m	0.59	ng	100
25) Benzo(b)fluoranthene	21.55	252	22101	0.70	ng	100
26) Benzo(k)fluoranthene	21.58	252	28748	0.66	ng	100
27) Benzo(a)pyrene	22.00	252	25597	0.85	ng	100
28) Dibenzo(a,h)anthracene	23.65	278	15277	0.53	ng	100
29) Benzo(g,h,i)perylene	24.25	276	21150	0.67	ng	100

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

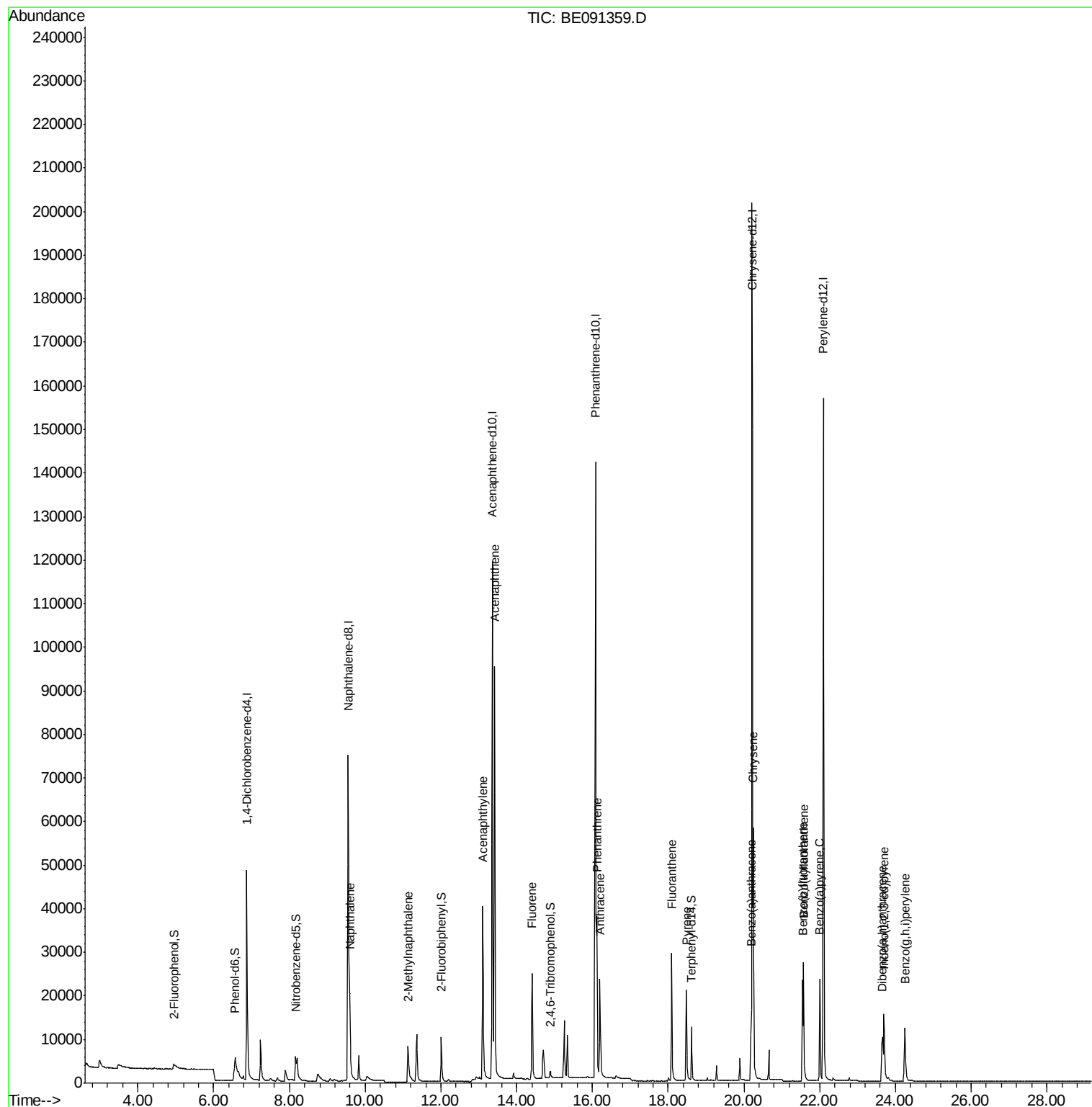
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
Data File : BE091359.D
Acq On : 14 Jan 2016 20:16
Operator : UM/IZ
Sample : SSTDICCC001
Misc :
ALS Vial : 7 Sample Multiplier: 1

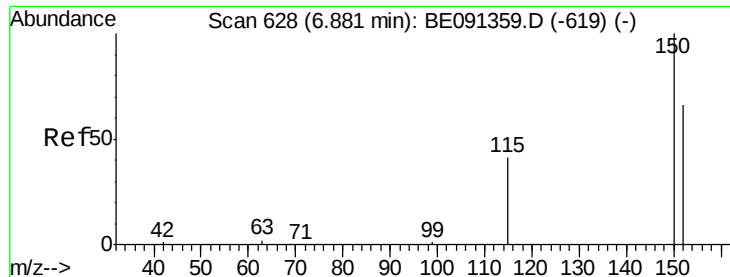
Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
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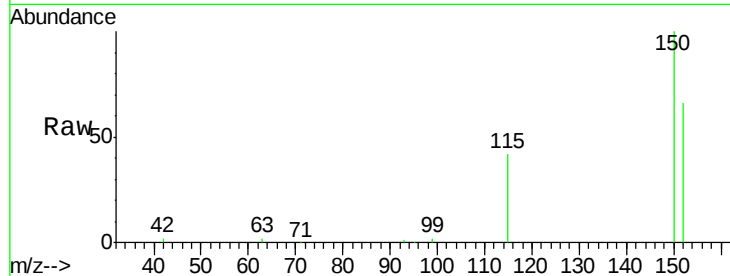




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.88 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

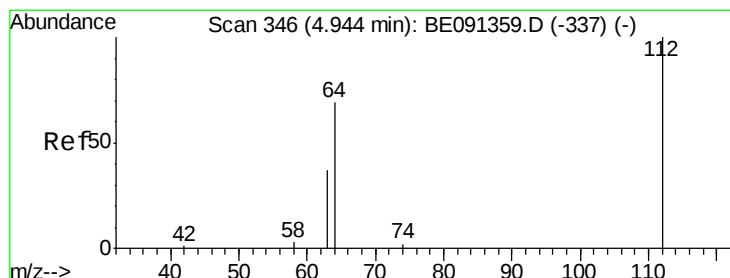
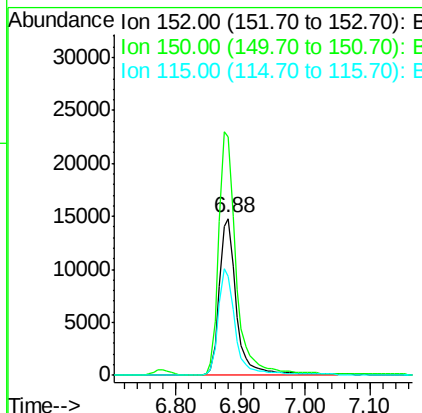
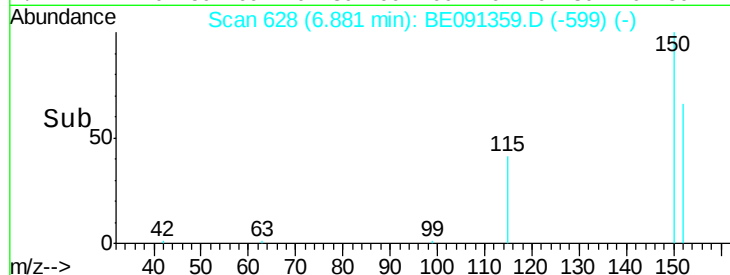
Instrument :
BNA_E
ClientSampleId :
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	121.6	182.4
115	63.2	50.6	75.8

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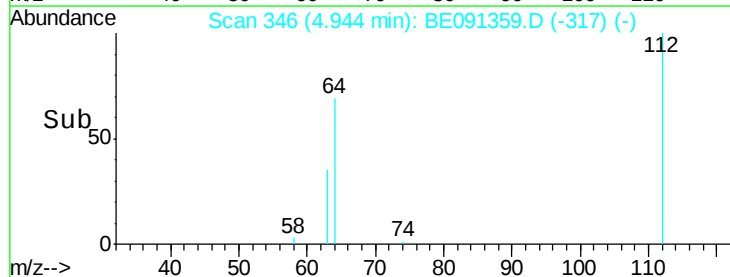
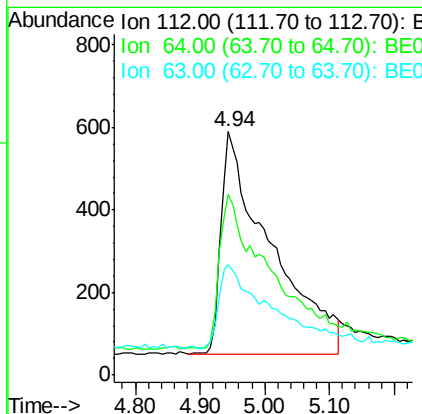
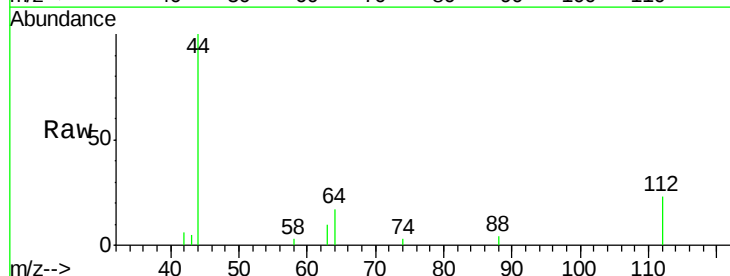
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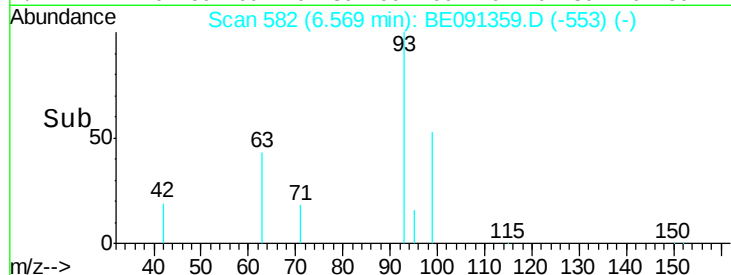
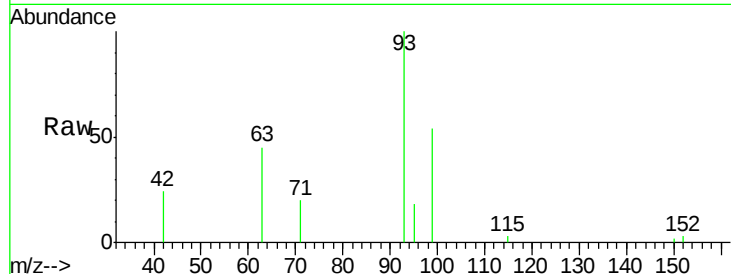
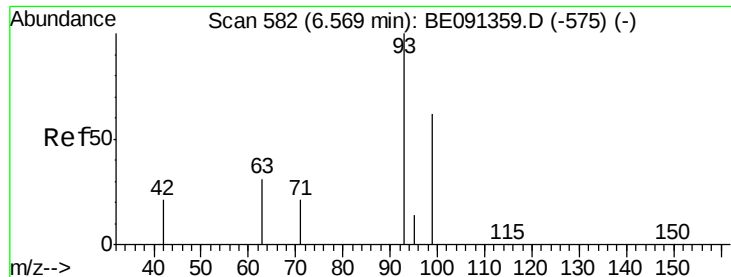


#2

2-Fluorophenol
Concen: 0.53 ng
RT: 4.94 min Scan# 346
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	57.4	86.0
63	40.2	32.2	48.2





#3

Phenol-d6

Concen: 0.58 ng

RT: 6.57 min Scan# 582

Delta R.T. 0.00 min

Lab File: BE091359.D

Acq: 14 Jan 2016 20:16

Tgt Ion:	99	Resp:	3831
Ion Ratio	Lower	Upper	
99	100		
42	28.6	22.9	34.3
71	44.3	35.4	53.2

Instrument :

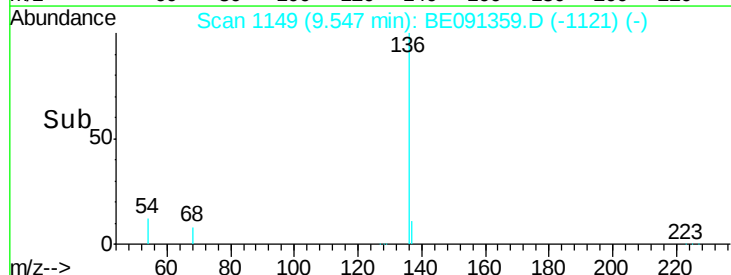
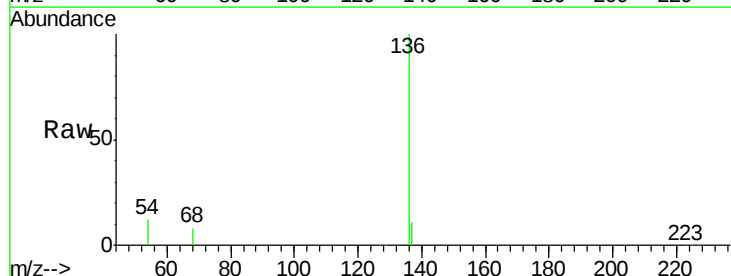
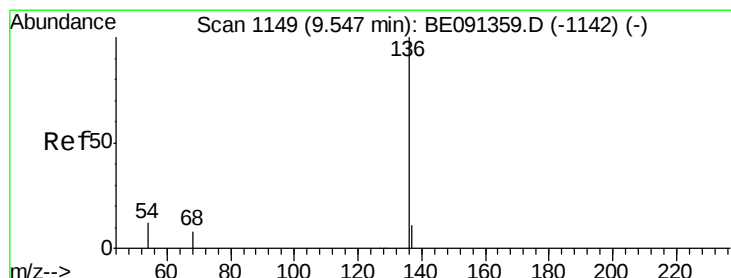
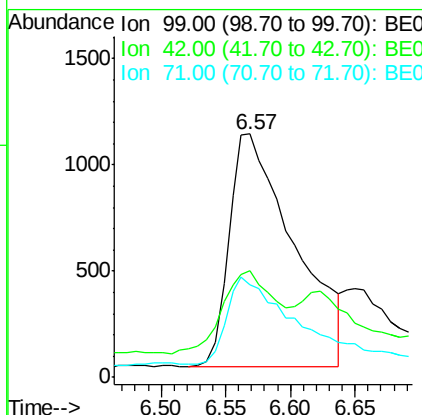
BNA_E

ClientSampleId :

SSTDICCC001

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#4

Naphthalene-d8

Concen: 5.00 ng

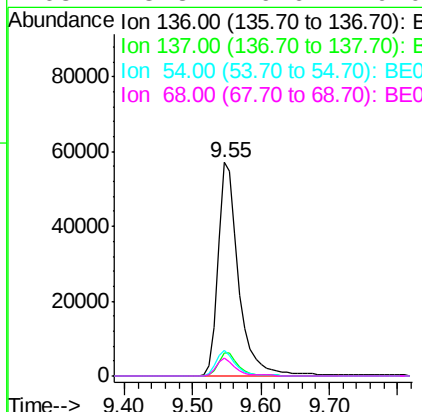
RT: 9.55 min Scan# 1149

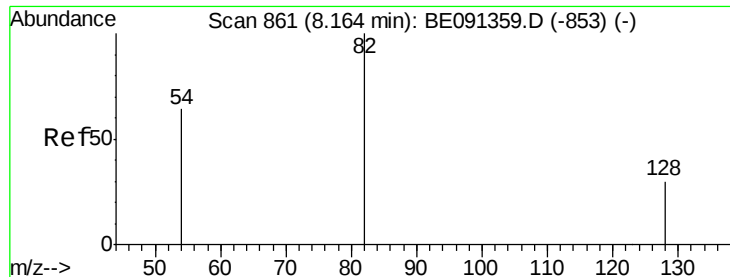
Delta R.T. 0.00 min

Lab File: BE091359.D

Acq: 14 Jan 2016 20:16

Tgt Ion:	136	Resp:	118474
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	12.2	9.8	14.6
68	8.3	6.6	10.0





#5

Nitrobenzene-d5

Concen: 1.05 ng

RT: 8.16 min Scan# 861

Delta R.T. 0.00 min

Lab File: BE091359.D

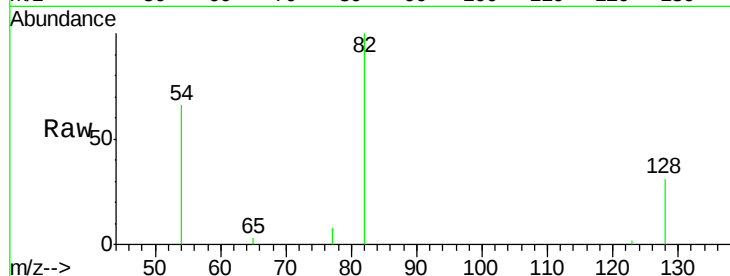
Acq: 14 Jan 2016 20:16

Instrument :

BNA_E

ClientSampleId :

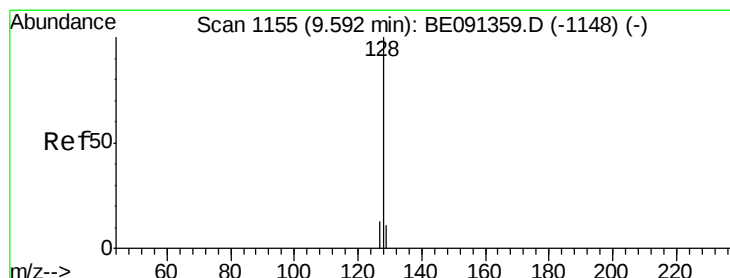
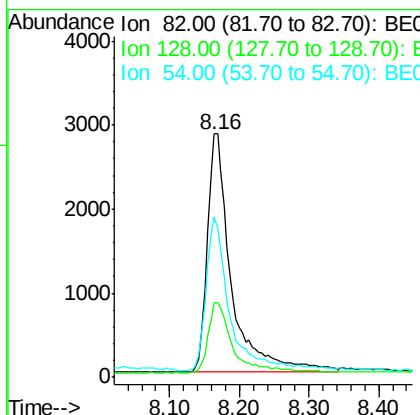
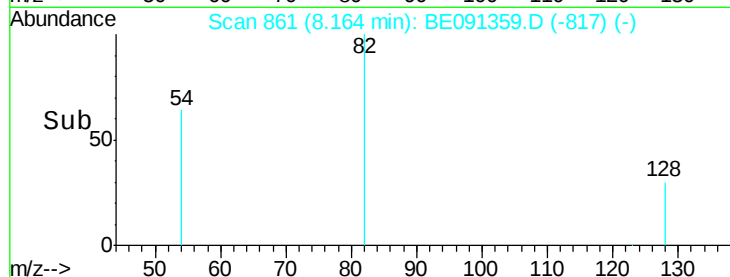
SSTDICCC001



Tgt Ion:	82	Resp:	6816
Ion	Ratio	Lower	Upper
82	100		
128	30.7	24.6	36.8
54	65.9	52.7	79.1

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#6

Naphthalene

Concen: 1.00 ng

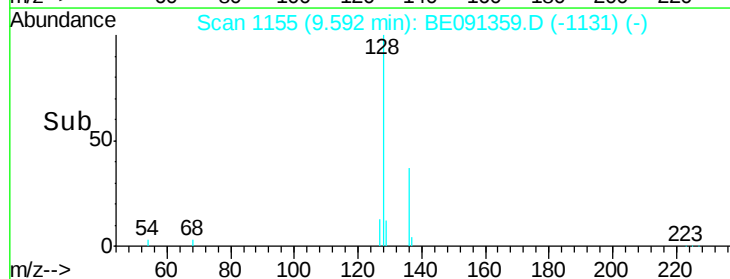
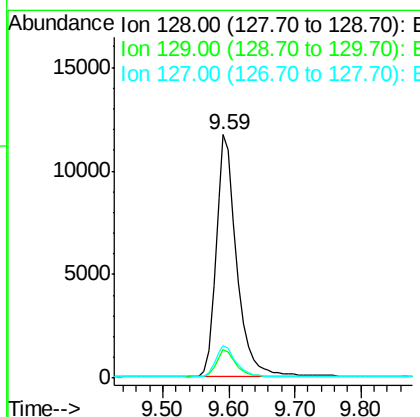
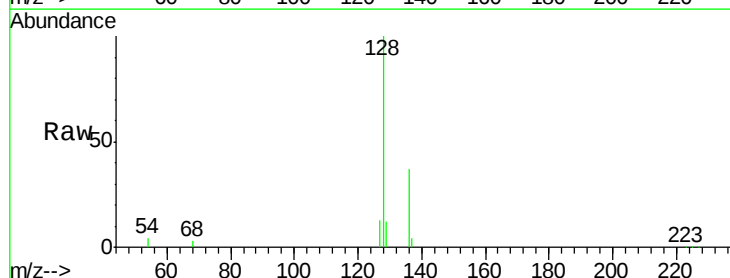
RT: 9.59 min Scan# 1155

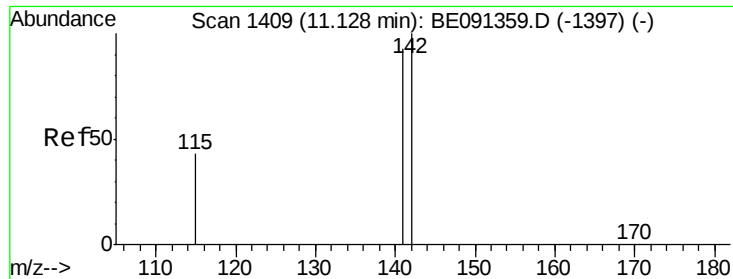
Delta R.T. 0.00 min

Lab File: BE091359.D

Acq: 14 Jan 2016 20:16

Tgt Ion:	128	Resp:	25687
Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.2	10.6	15.8





#7

2-Methylnaphthalene

Concen: 0.58 ng

RT: 11.13 min Scan# 1409

Delta R.T. 0.00 min

Lab File: BE091359.D

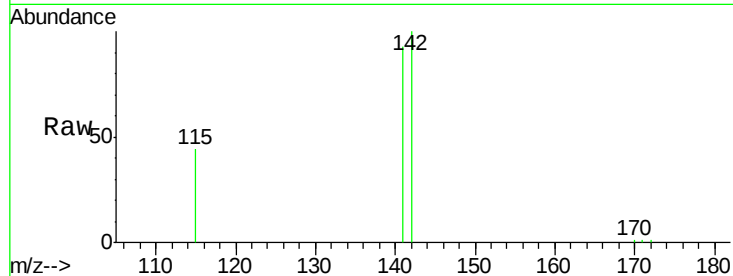
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Instrument :

BNA_E

ClientSampleId :

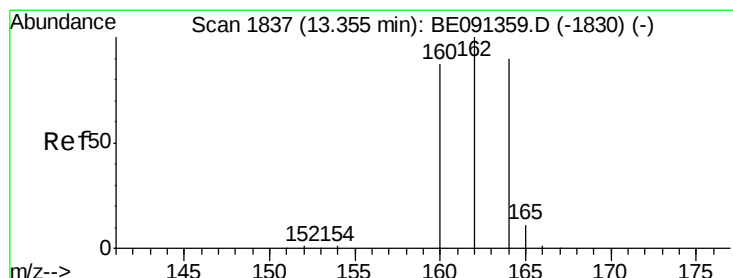
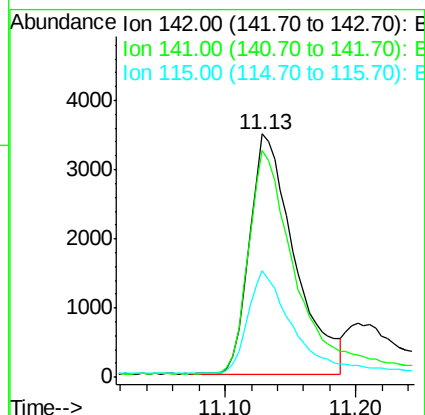
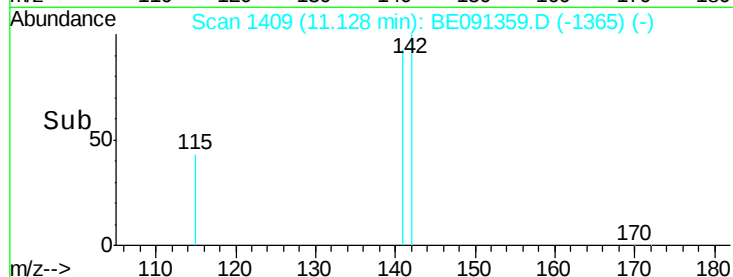
SSTDICCC001



Tgt Ion:	142	Resp:	8235
Ion Ratio	Lower	Upper	
142	100		
141	93.1	74.5	111.7
115	44.0	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

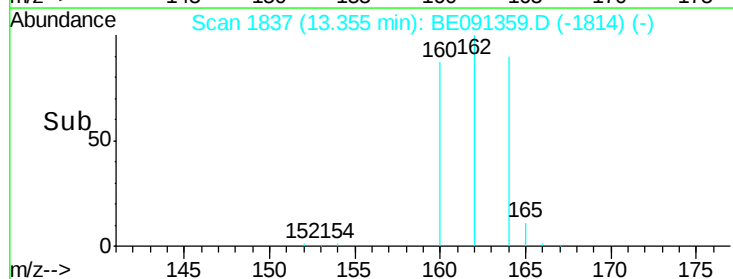
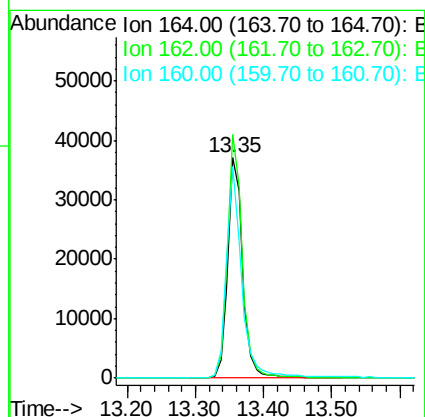
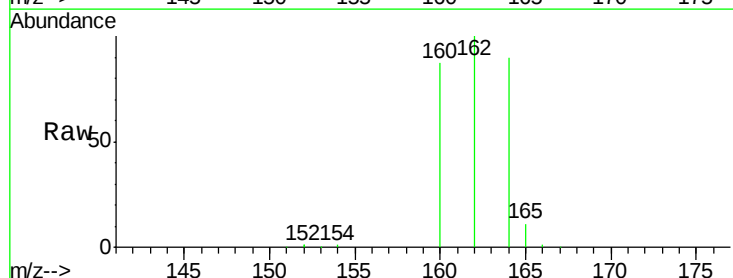
RT: 13.35 min Scan# 1837

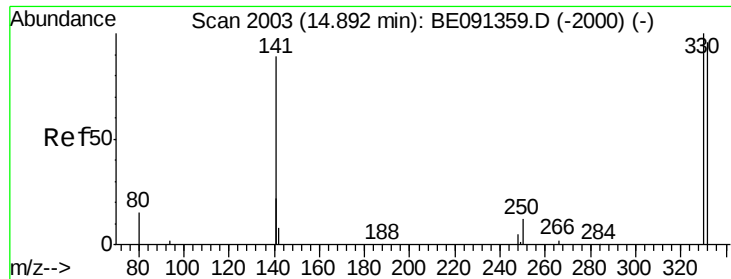
Delta R.T. 0.00 min

Lab File: BE091359.D

Acq: 14 Jan 2016 20:16

Tgt Ion:	164	Resp:	55919
Ion Ratio	Lower	Upper	
164	100		
162	110.6	88.5	132.7
160	95.9	76.7	115.1





#9

2,4,6-Tribromophenol

Concen: 0.51 ng

RT: 14.89 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BE091359.D

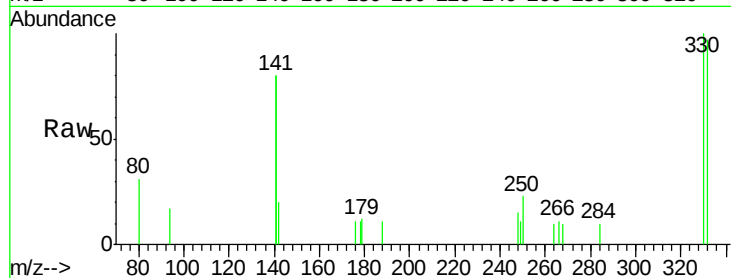
Acq: 14 Jan 2016 20:16

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion:330 Resp: 874

Ion Ratio Lower Upper

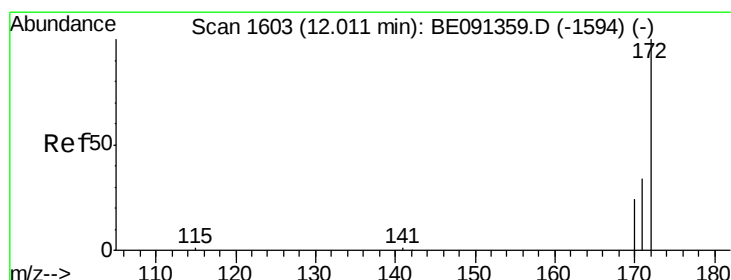
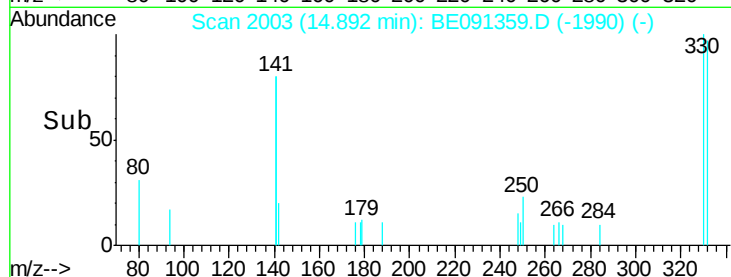
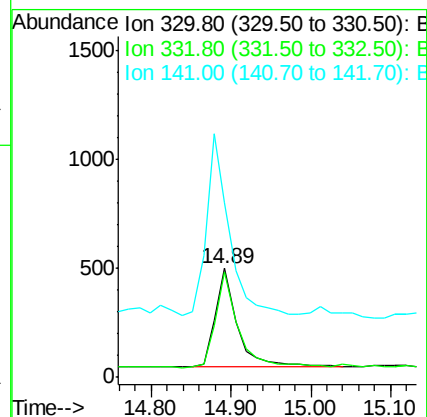
330 100

332 98.3 78.6 118.0

141 184.8 147.8 221.8

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#10

2-Fluorobiphenyl

Concen: 0.77 ng

RT: 12.01 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BE091359.D

Acq: 14 Jan 2016 20:16

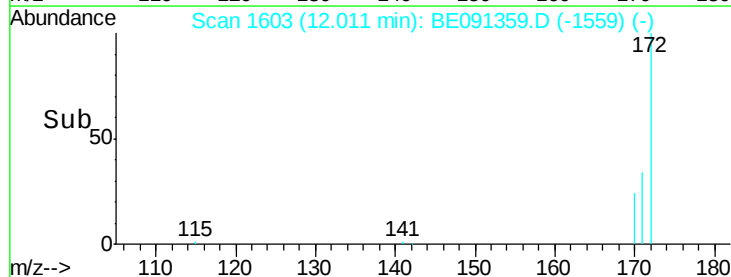
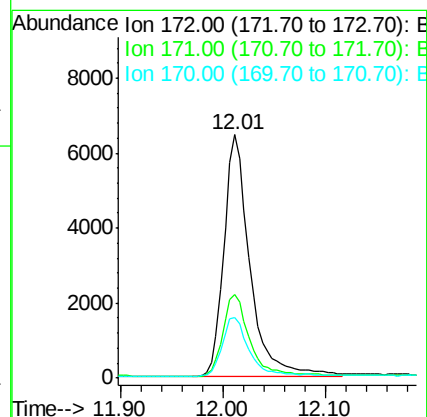
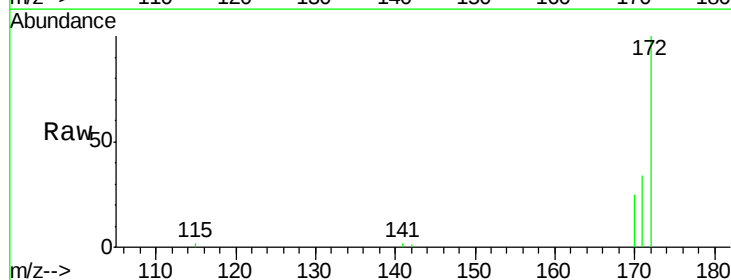
Tgt Ion:172 Resp: 11338

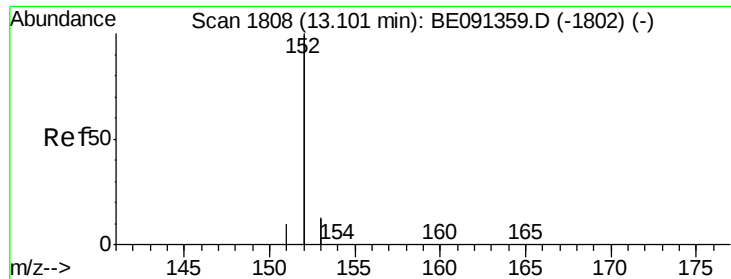
Ion Ratio Lower Upper

172 100

171 34.1 27.3 40.9

170 24.7 19.8 29.6





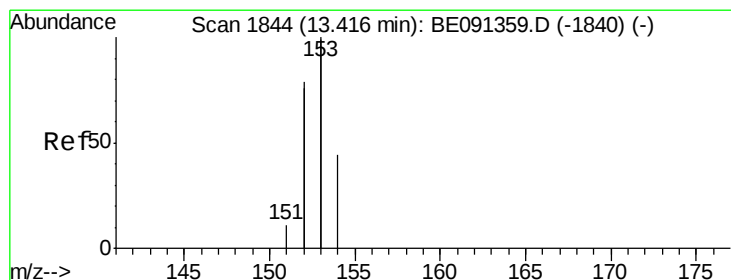
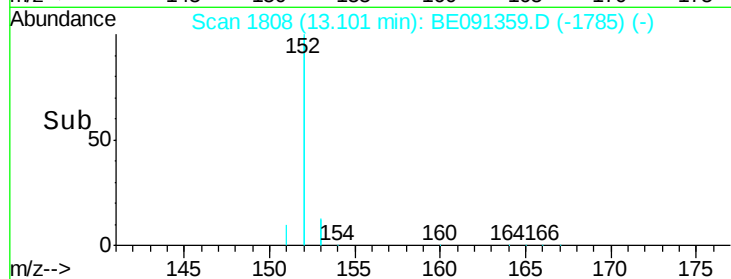
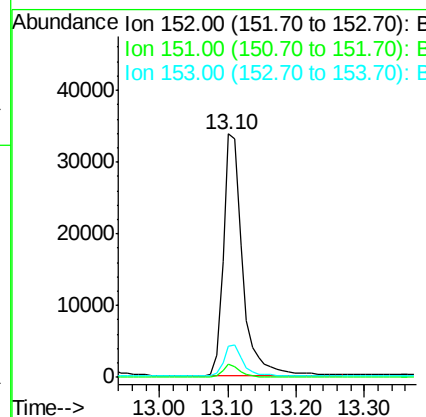
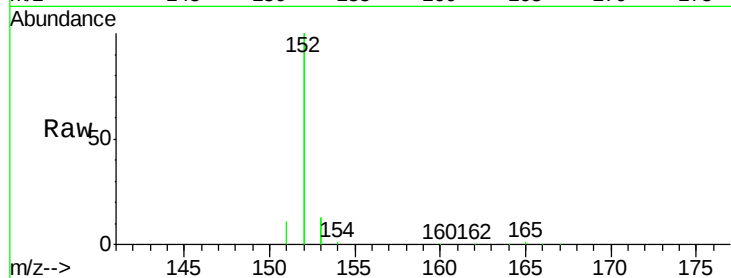
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Acenaphthylene
Concen: 0.72 ng
RT: 13.10 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.6	10.1	15.1

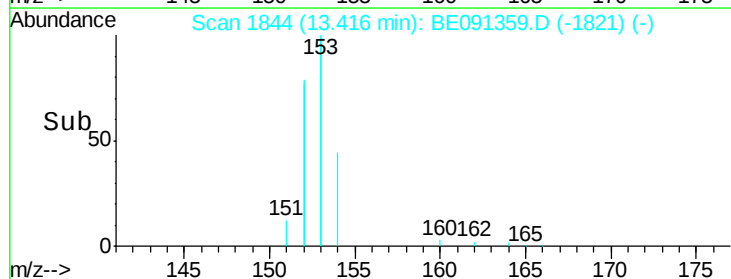
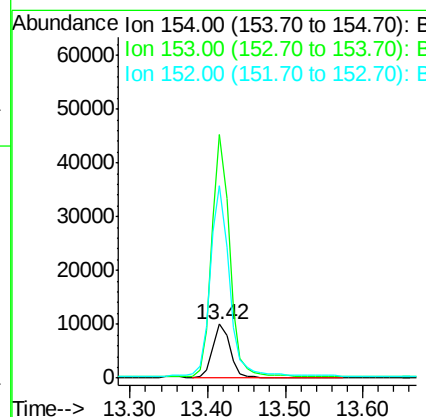
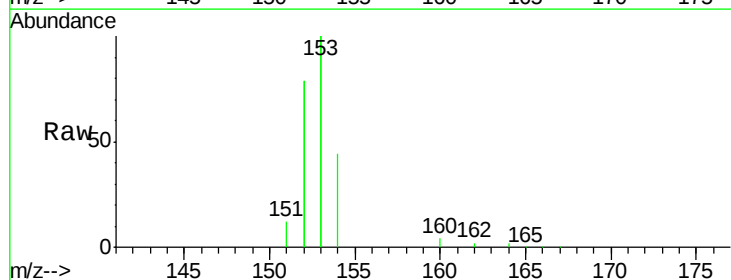
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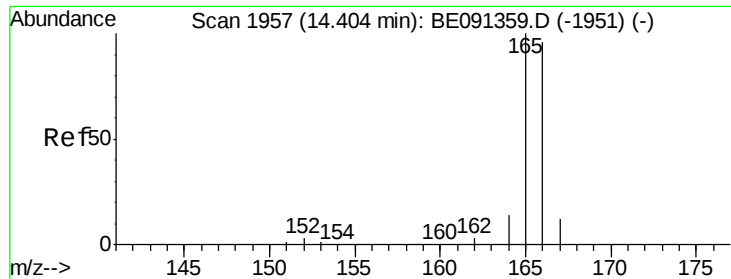
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#12
Acenaphthene
Concen: 1.04 ng
RT: 13.42 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	462.8	370.2	555.4
152	388.1	310.5	465.7





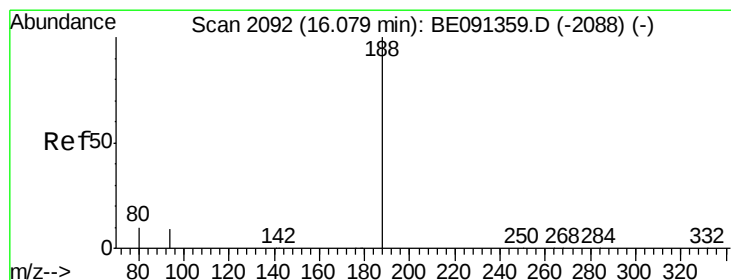
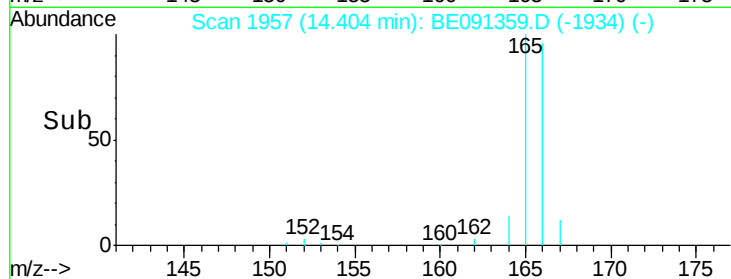
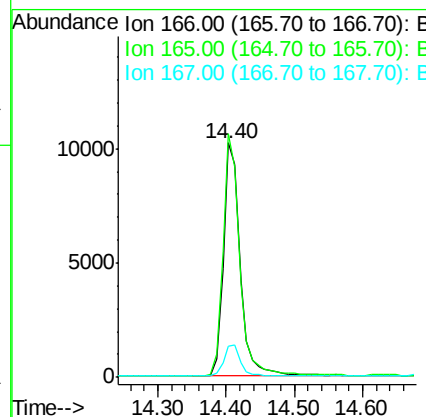
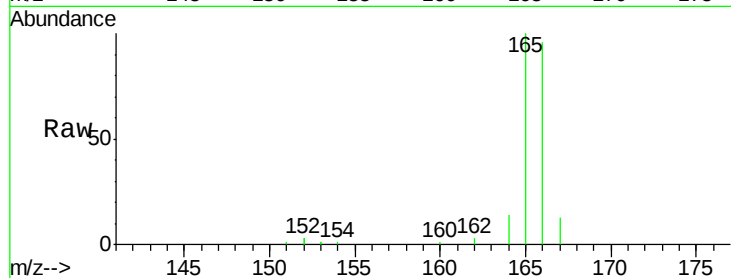
#13
Fluorene
Concen: 0.94 ng
RT: 14.40 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.8	83.0	124.6
167	13.9	11.1	16.7

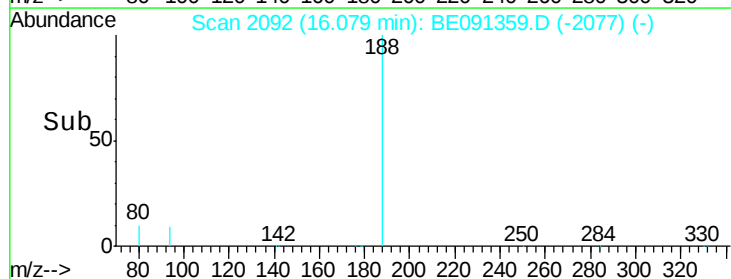
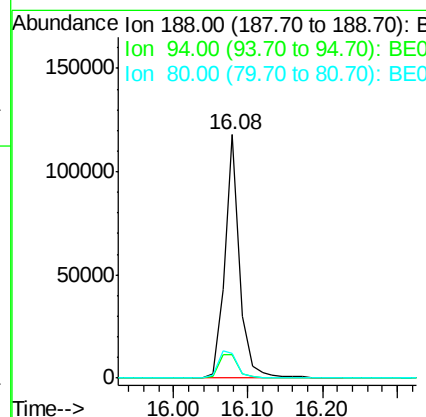
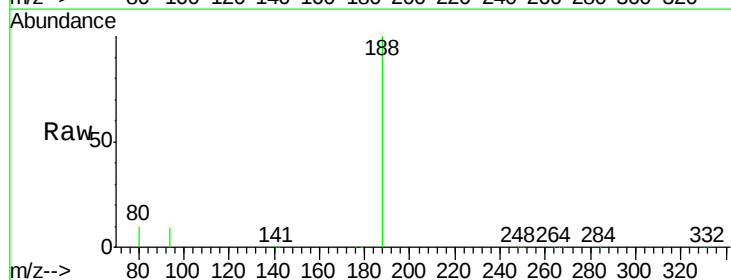
Manual Integrations
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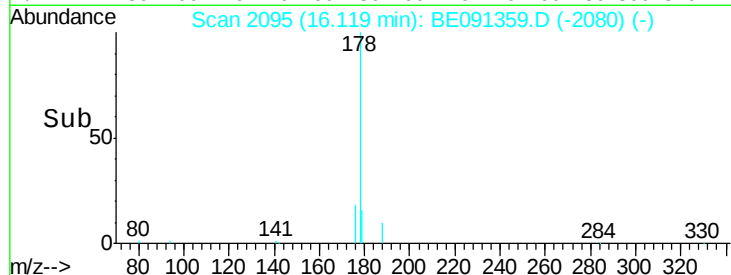
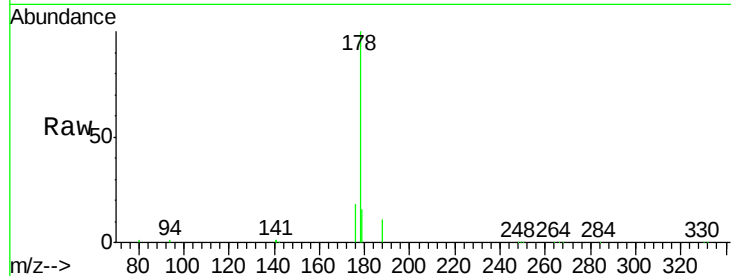
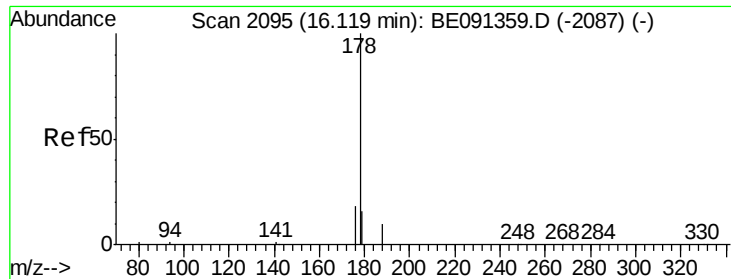
mohammad
1/15/2016 3:39:05 PM



#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.08 min Scan# 2092
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	10.2	8.2	12.2





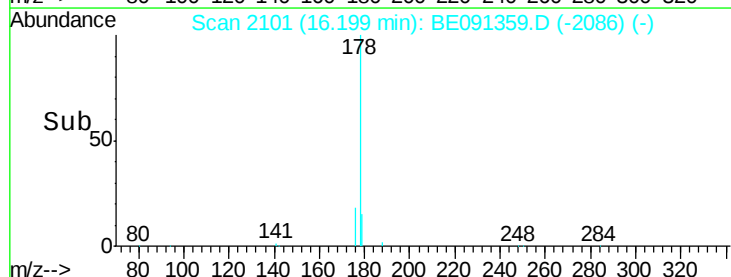
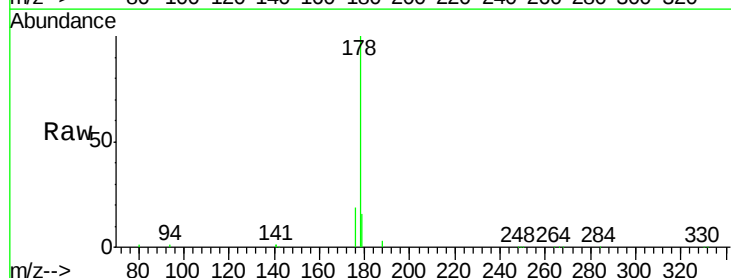
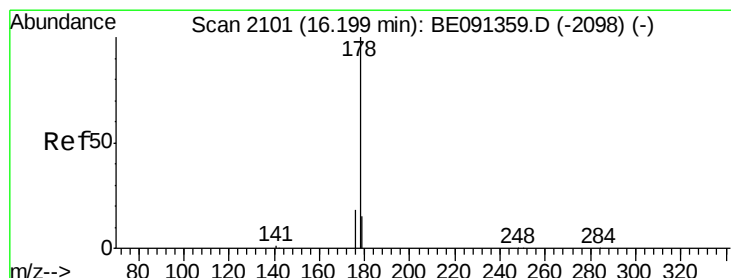
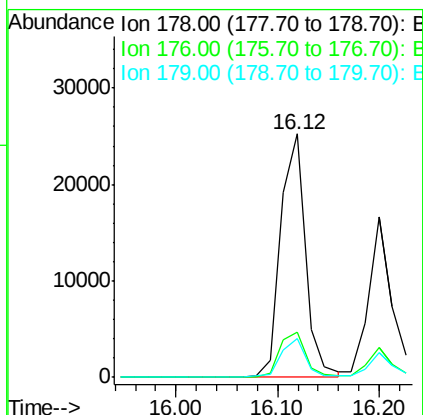
#15
Phenanthrene
Concen: 0.99 ng
RT: 16.12 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.0	12.8	19.2

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

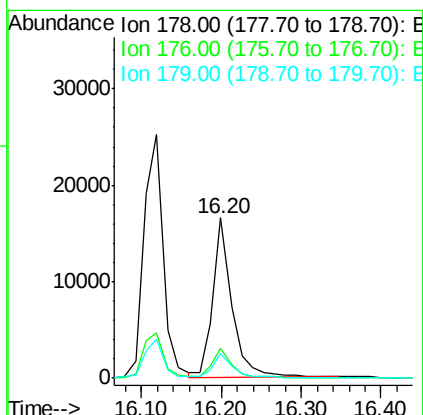
Manual Integrations
APPROVED

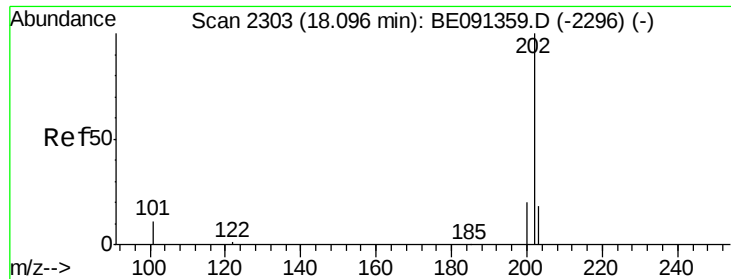
mohammad
1/15/2016 3:39:05 PM



#16
Anthracene
Concen: 0.75 ng
RT: 16.20 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.5	12.4	18.6





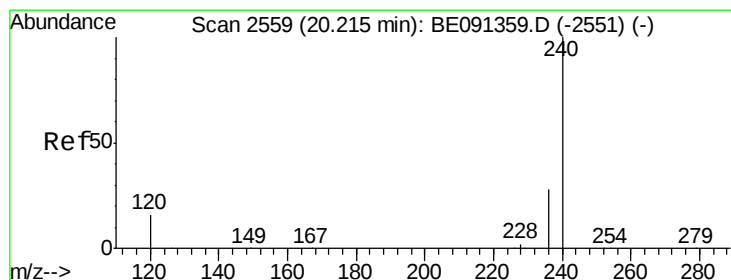
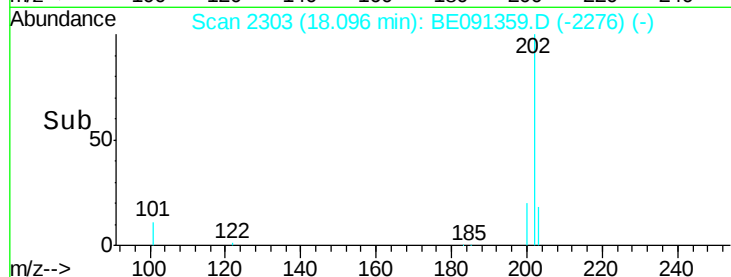
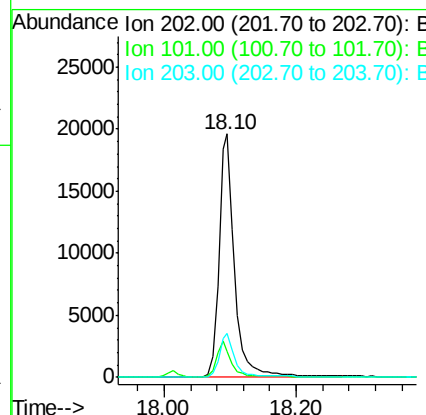
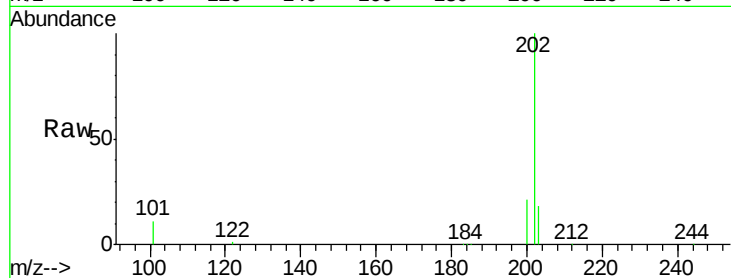
#17
 Fluoranthene
 Concen: 0.66 ng
 RT: 18.10 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BE091359.D
 Acq: 14 Jan 2016 20:16

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1CCC001

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.0	16.4
203	17.4	13.9	20.9

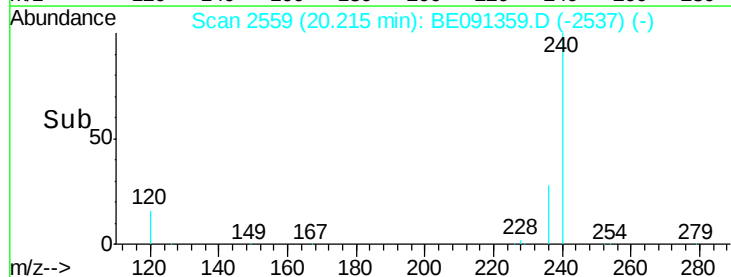
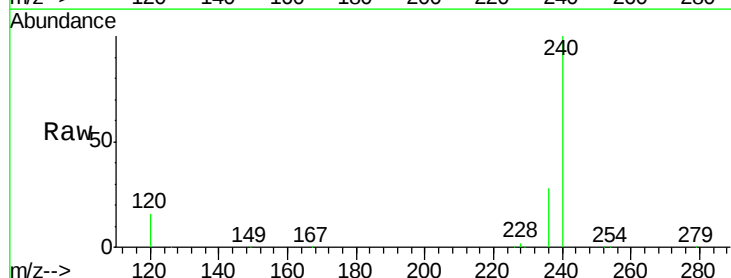
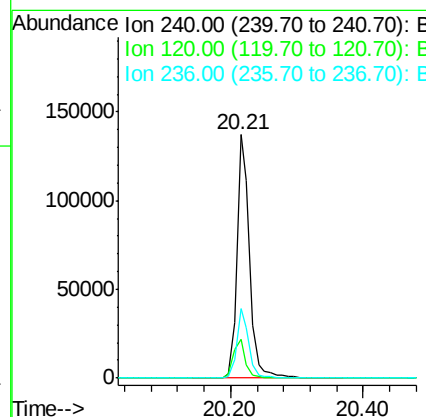
Manual Integrations
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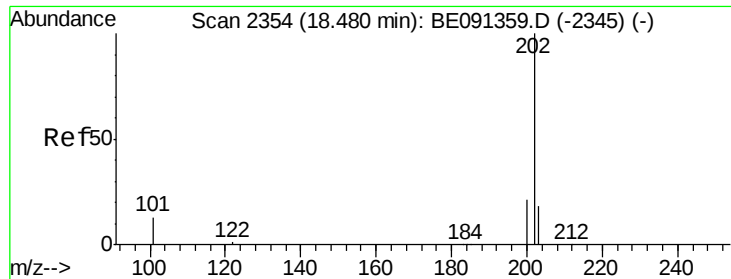
mohammad
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#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.21 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BE091359.D
 Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.8	12.6	19.0
236	28.4	22.7	34.1





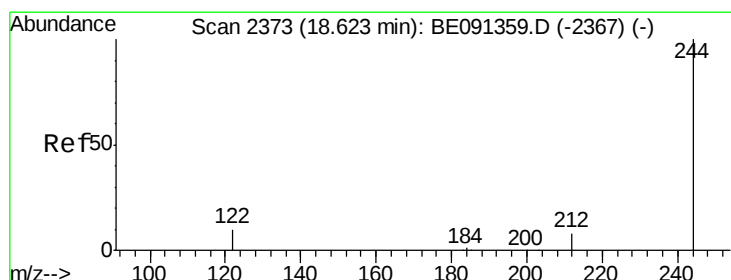
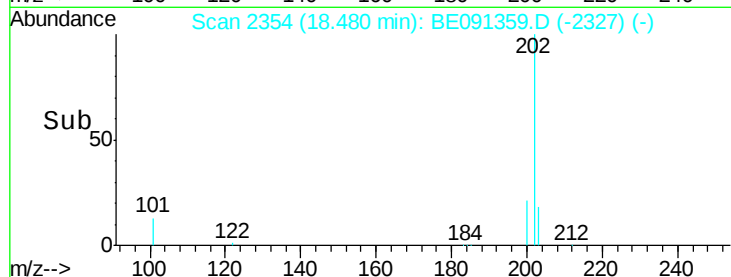
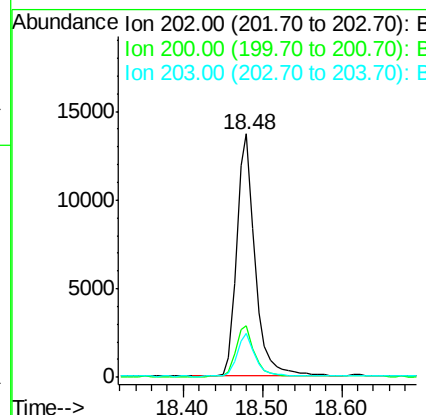
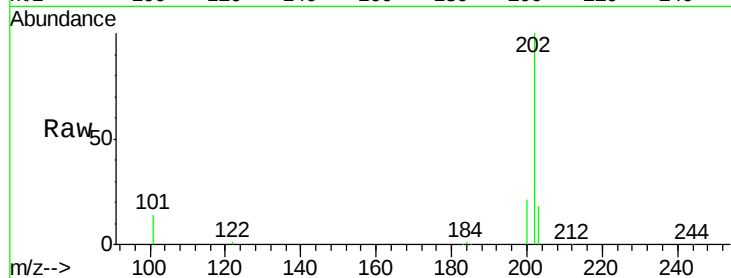
#19
 Pyrene
 Concen: 0.50 ng
 RT: 18.48 min Scan# 2354
 Delta R.T. 0.00 min
 Lab File: BE091359.D
 Acq: 14 Jan 2016 20:16

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1CCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.5	17.2	25.8
203	17.8	14.2	21.4

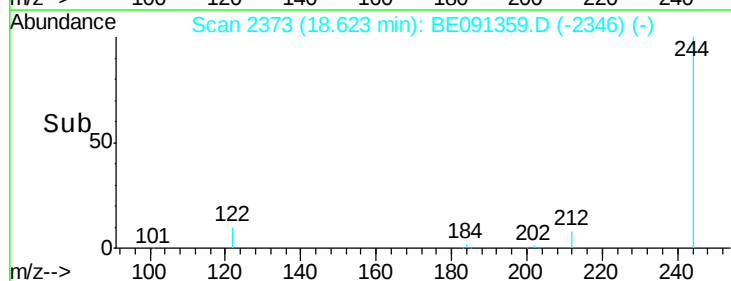
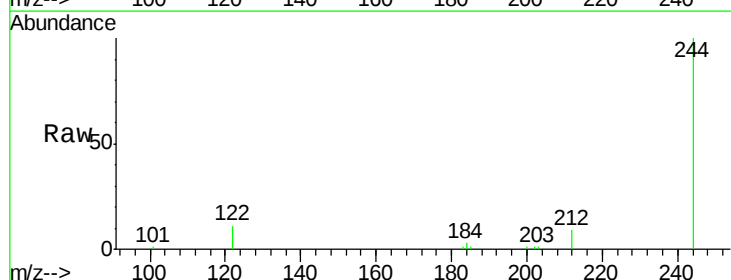
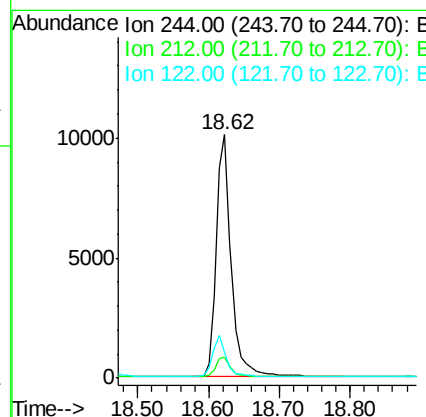
Manual Integrations
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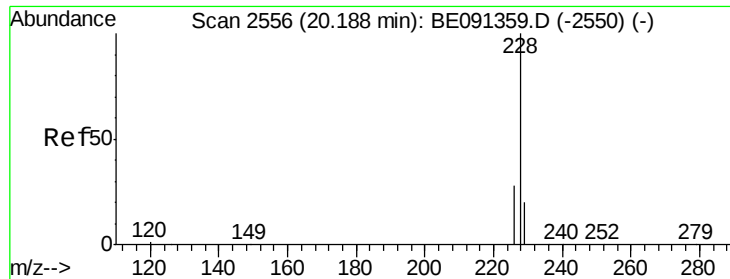
mohammad
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#20
 Terphenyl-d14
 Concen: 0.68 ng
 RT: 18.62 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: BE091359.D
 Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.7	7.0	10.4
122	10.6	8.5	12.7





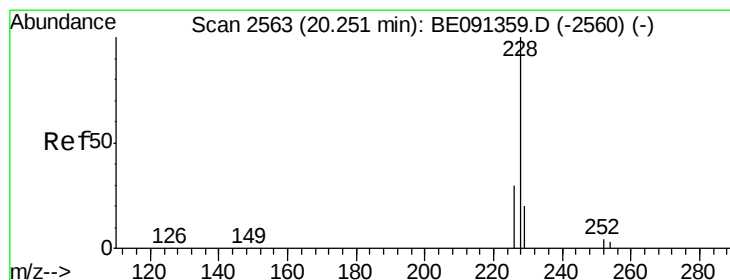
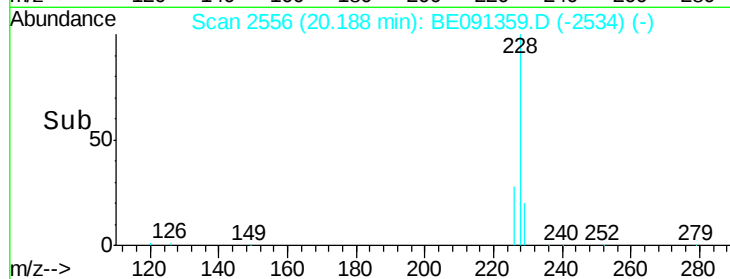
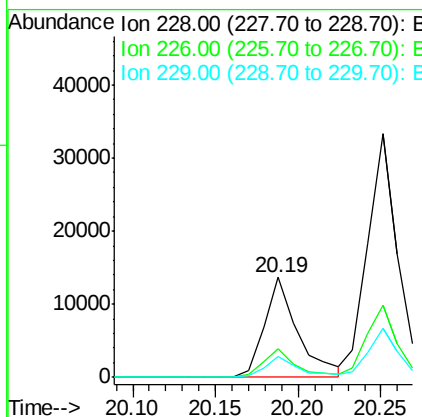
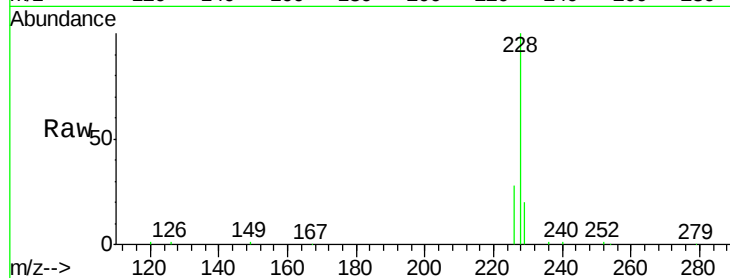
#21
Benzo(a)anthracene
Concen: 0.48 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.3	16.2	24.4

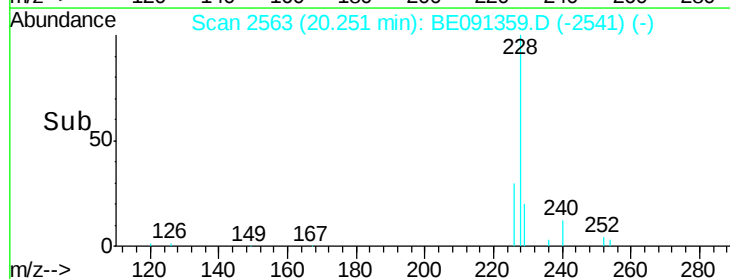
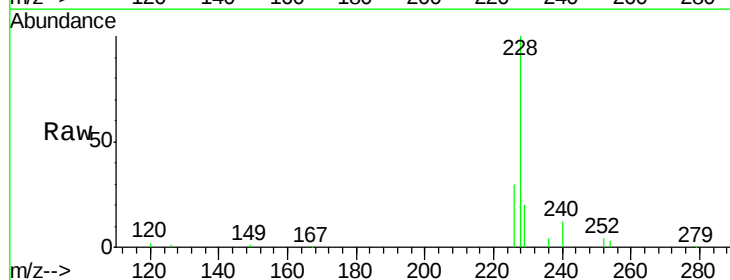
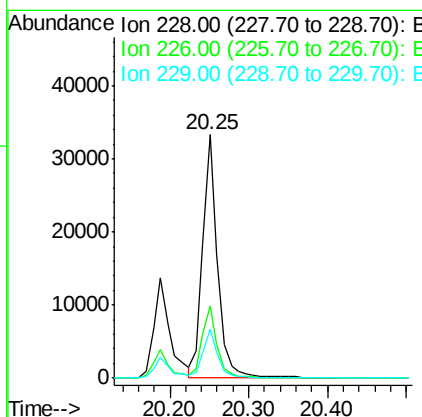
Manual Integrations
APPROVED

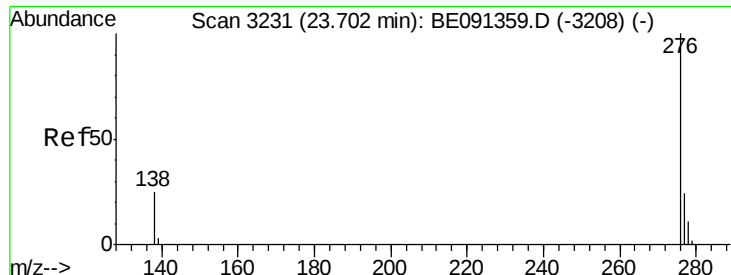
mohammad
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#22
Chrysene
Concen: 0.81 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	20.0	16.0	24.0





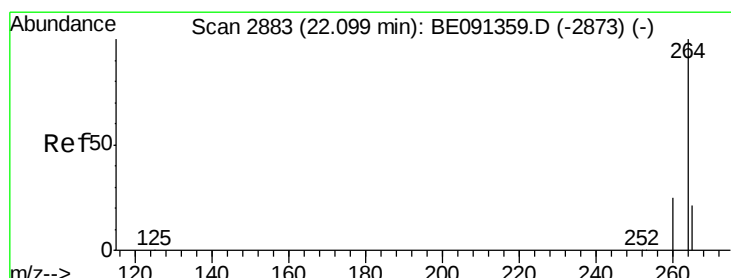
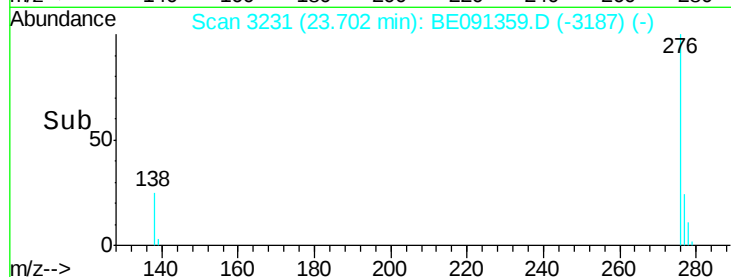
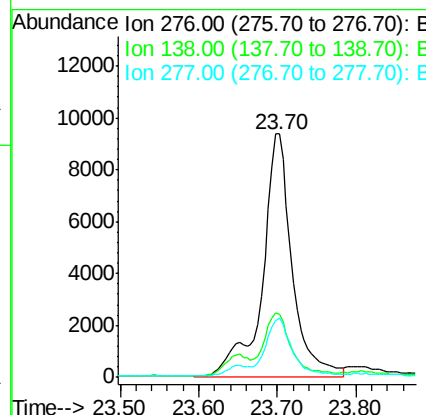
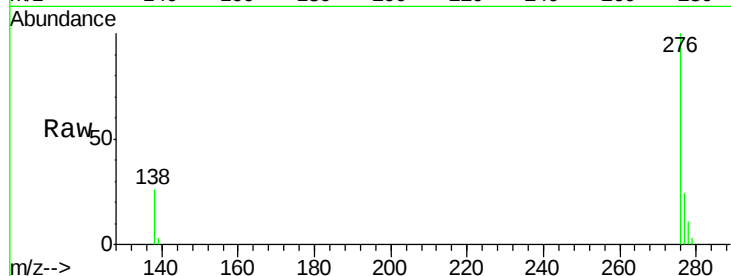
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.59 ng m
RT: 23.70 min Scan# 3231
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	24857		
138	23.2	18.6	27.8	
277	20.6	16.5	24.7	

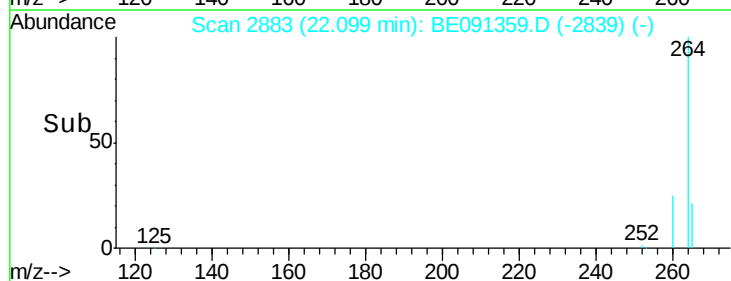
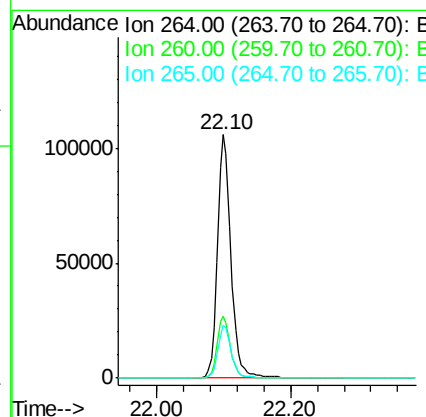
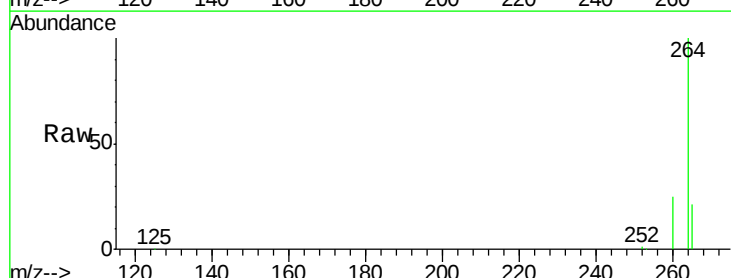
Manual Integrations
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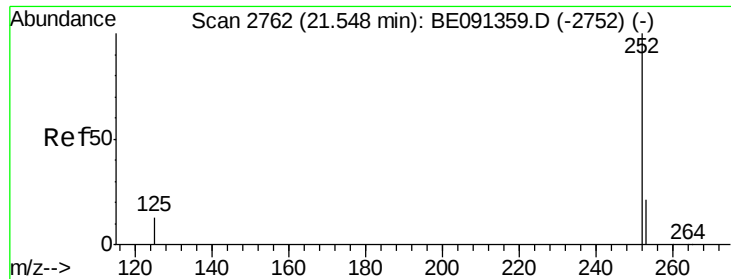
mohammad
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	148353		
260	25.5	20.4	30.6	
265	21.5	17.2	25.8	





#25

Benzo(b)fluoranthene

Concen: 0.70 ng

RT: 21.55 min Scan# 2762

Delta R.T. 0.00 min

Lab File: BE091359.D

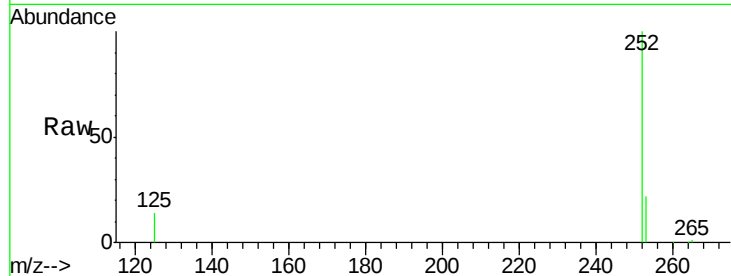
Acq: 14 Jan 2016 20:16

Instrument :

BNA_E

ClientSampled :

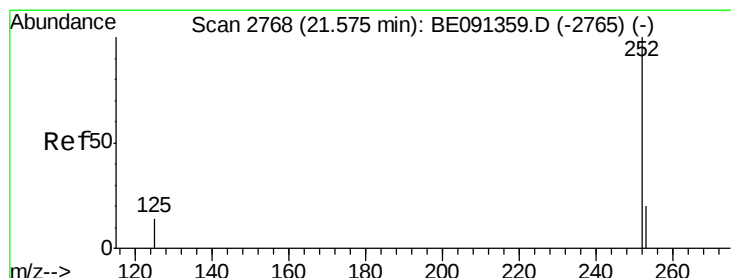
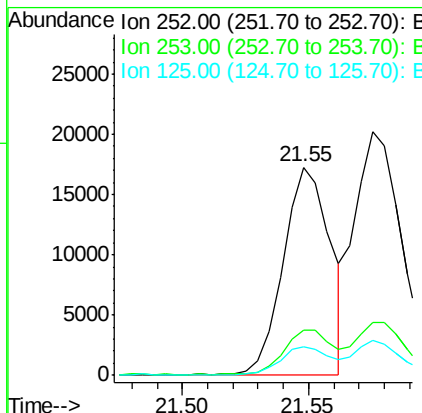
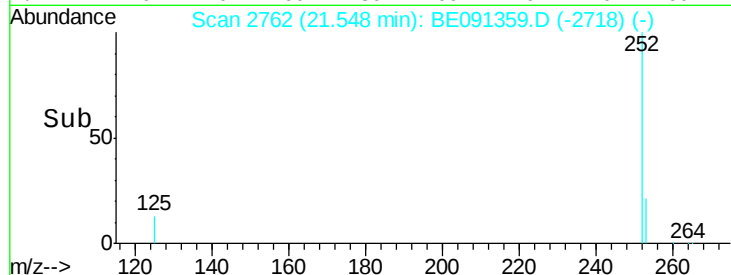
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	13.8	11.0	16.6

Manual Integrations
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#26

Benzo(k)fluoranthene

Concen: 0.66 ng

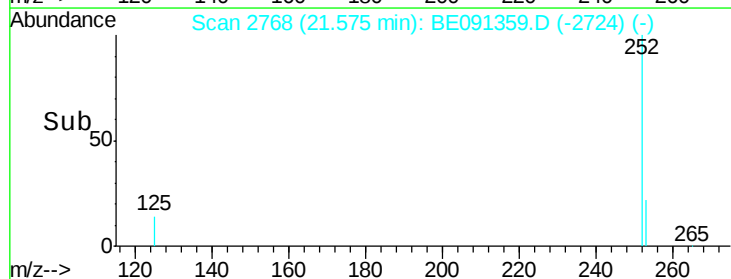
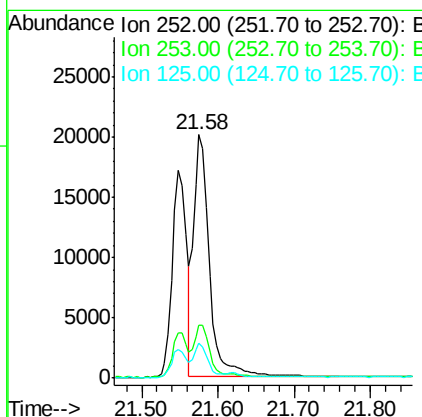
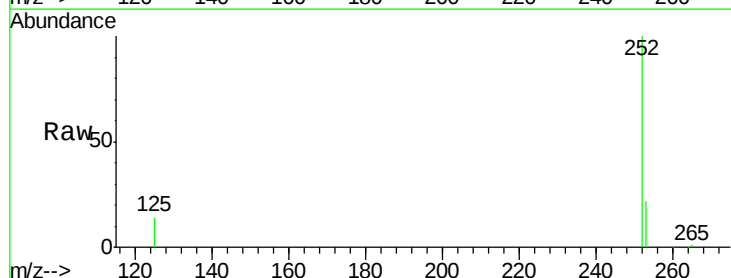
RT: 21.58 min Scan# 2768

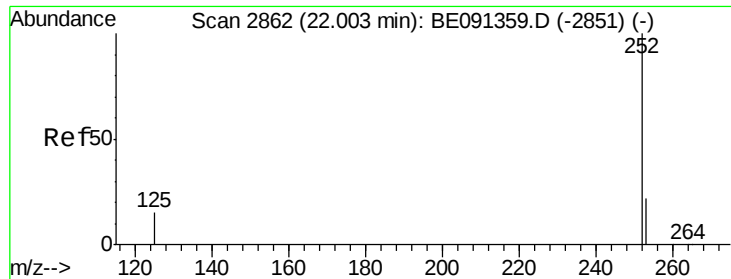
Delta R.T. 0.00 min

Lab File: BE091359.D

Acq: 14 Jan 2016 20:16

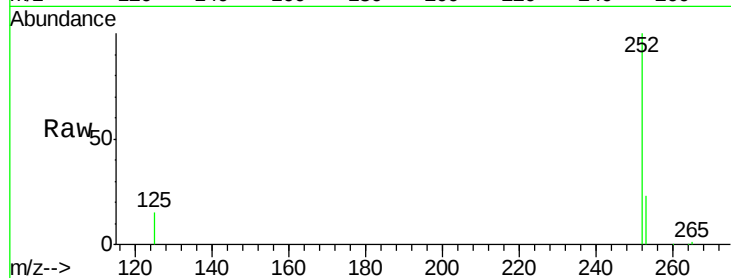
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.1	11.3	16.9





#27
Benzo(a)pyrene
Concen: 0.85 ng
RT: 22.00 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

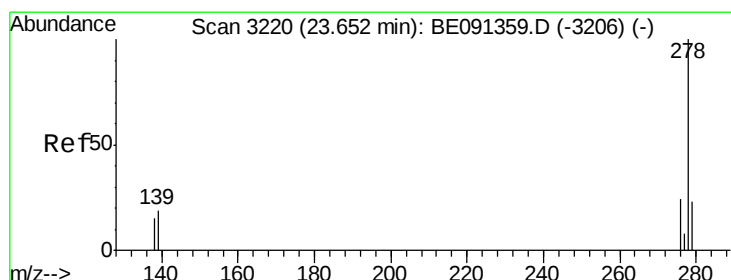
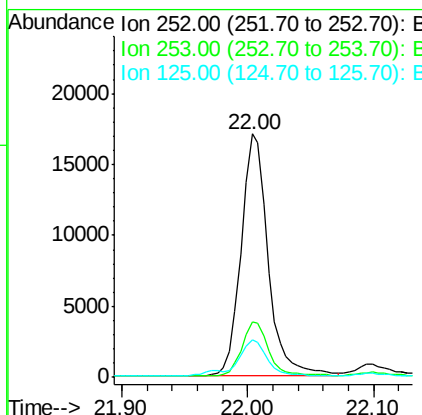
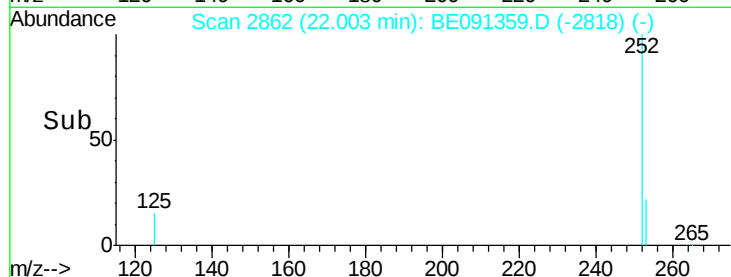
Instrument :
BNA_E
ClientSampleId :
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.3	12.2	18.4

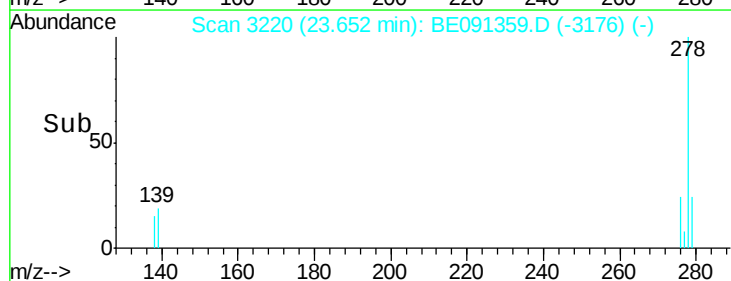
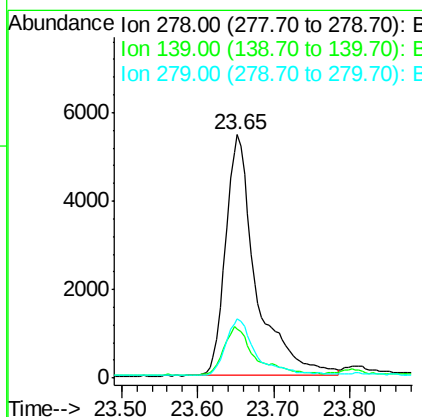
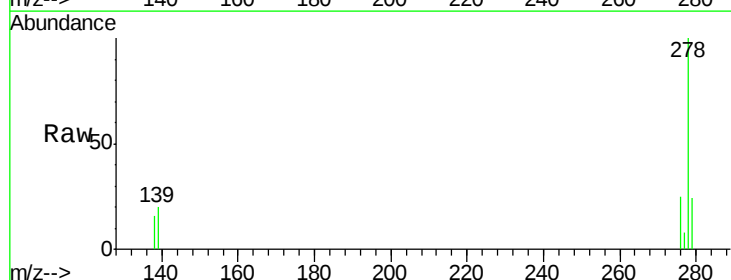
Manual Integrations
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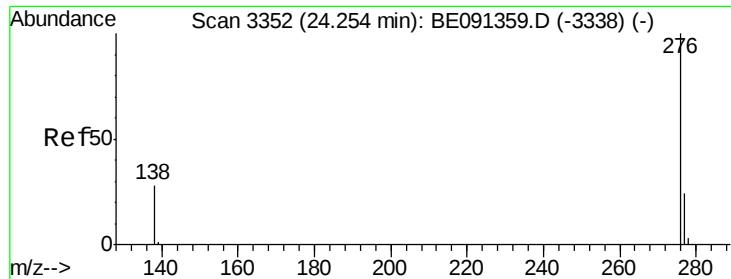
mohammad
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#28
Dibenzo(a,h)anthracene
Concen: 0.53 ng
RT: 23.65 min Scan# 3220
Delta R.T. 0.00 min
Lab File: BE091359.D
Acq: 14 Jan 2016 20:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	16.3	24.5
279	24.3	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 0.67 ng

RT: 24.25 min Scan# 3352

Delta R.T. 0.00 min

Lab File: BE091359.D

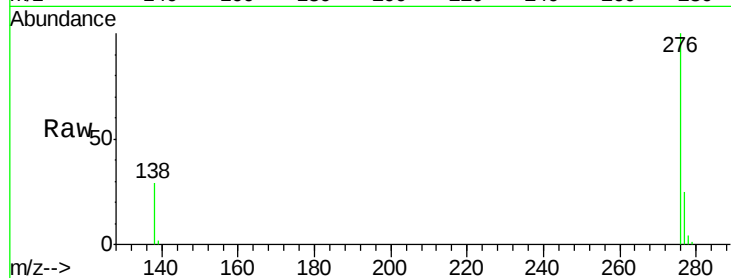
Acq: 14 Jan 2016 20:16

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion: 276 Resp: 21150

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.6

138 29.1 23.3 34.9

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