

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091361.D
 Acq On : 14 Jan 2016 21:27
 Operator : UM/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

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Quant Time: Jan 14 23:00:43 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	6.87	152	31194	5.00	ng	-0.01
4) Naphthalene-d8	9.54	136	155903	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	80442	5.00	ng	0.00
14) Phenanthrene-d10	16.07	188	215756	5.00	ng	-0.01
18) Chrysene-d12	20.21	240	239520	5.00	ng	0.00
24) Perylene-d12	22.10	264	188385	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.92	112	22018	3.54	ng	-0.03
3) Phenol-d6	6.53	99	40104	5.24	ng	-0.04
5) Nitrobenzene-d5	8.13	82	52196	6.12	ng	-0.03
9) 2,4,6-Tribromophenol	14.88	330	13139	5.34	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	108357	5.09	ng	-0.02
20) Terphenyl-d14	18.62	244	166103	5.67	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.58	128	164630	4.88	ng	99
7) 2-Methylnaphthalene	11.11	142	96362	5.12	ng	93
11) Acenaphthylene	13.09	152	747923	5.72	ng	99
12) Acenaphthene	13.41	154	120974	5.56	ng	# 74
13) Fluorene	14.40	166	163503	6.16	ng	97
15) Phenanthrene	16.11	178	276103	5.00	ng	99
16) Anthracene	16.19	178	256666	5.36	ng	100
17) Fluoranthene	18.09	202	259852	4.09	ng	99
19) Pyrene	18.47	202	276792	4.74	ng	100
21) Benzo(a)anthracene	20.19	228	244159	4.59	ng	98
22) Chrysene	20.25	228	302382	4.22	ng	99
23) Indeno(1,2,3-cd)pyrene	23.69	276	266069m	4.76	ng	
25) Benzo(b)fluoranthene	21.55	252	249683	6.18	ng	99
26) Benzo(k)fluoranthene	21.57	252	257521	4.66	ng	99
27) Benzo(a)pyrene	22.00	252	221332	5.76	ng	99
28) Dibenzo(a,h)anthracene	23.64	278	189716	5.20	ng	100
29) Benzo(g,h,i)perylene	24.24	276	214464	5.34	ng	98

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

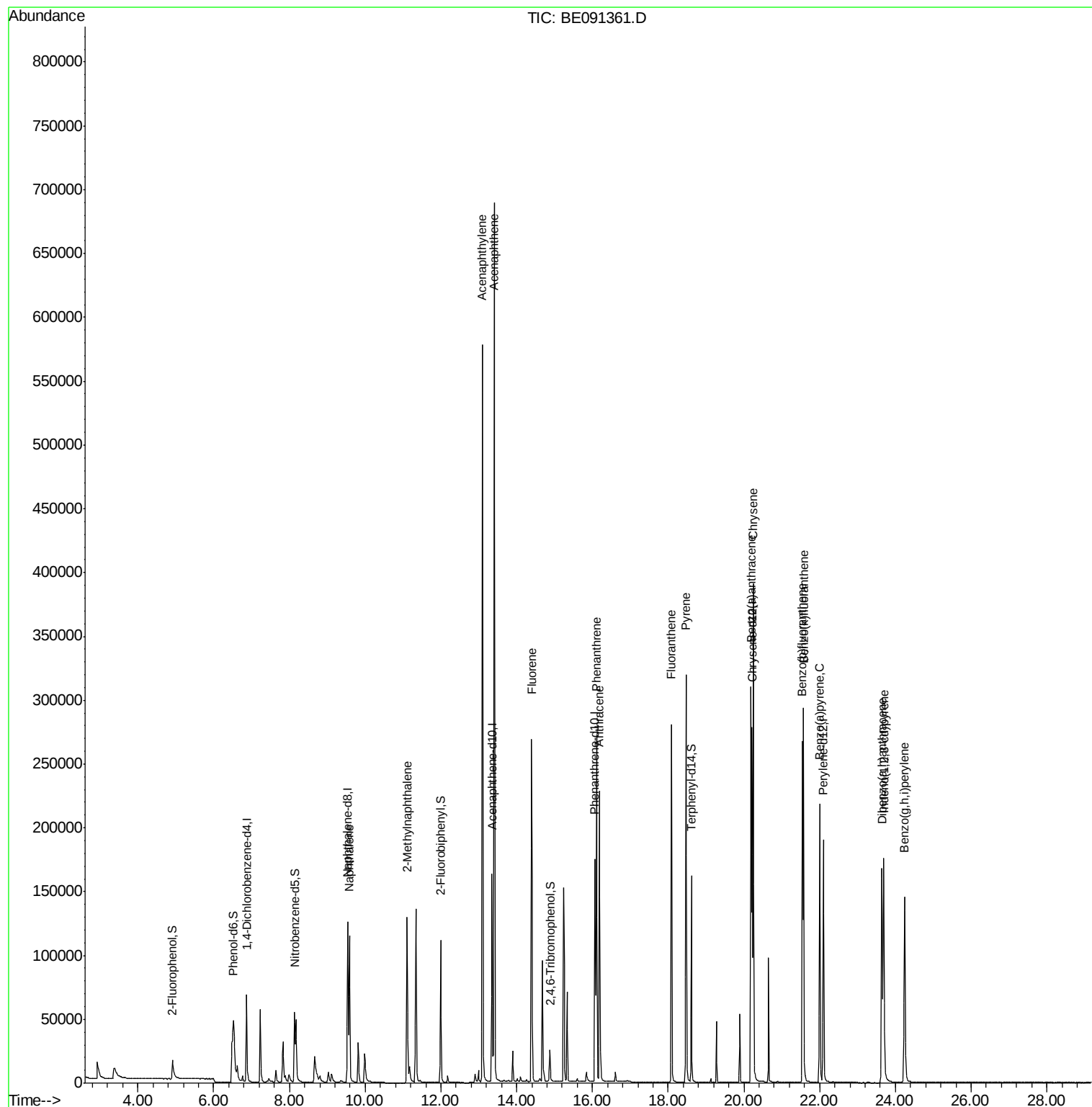
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
Data File : BE091361.D
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ALS Vial : 9 Sample Multiplier: 1

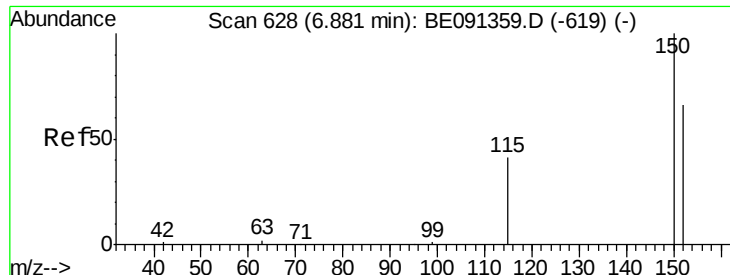
Instrument :
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SSTDICC005

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

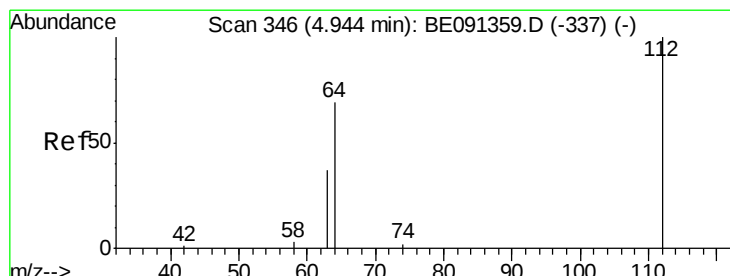
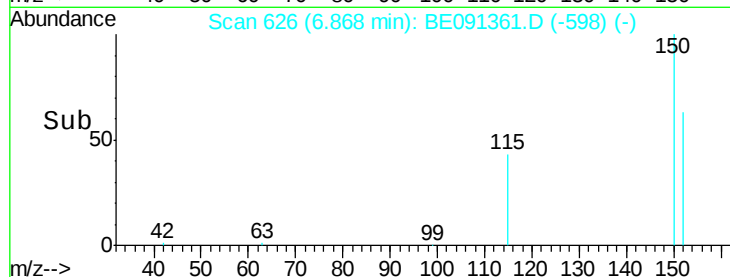
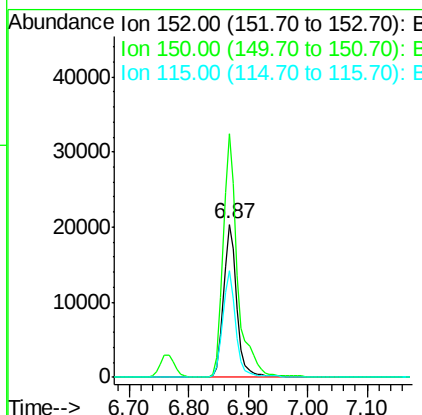
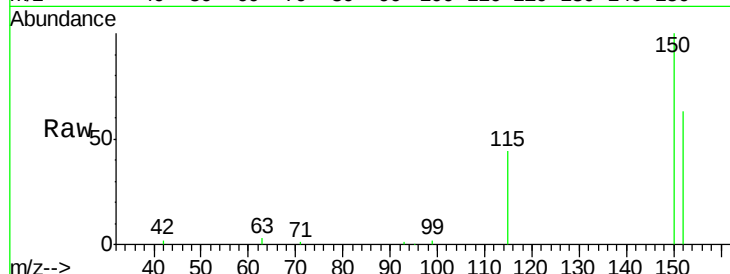
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 626
Delta R.T. -0.01 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.0	121.6	182.4
115	69.3	50.6	75.8

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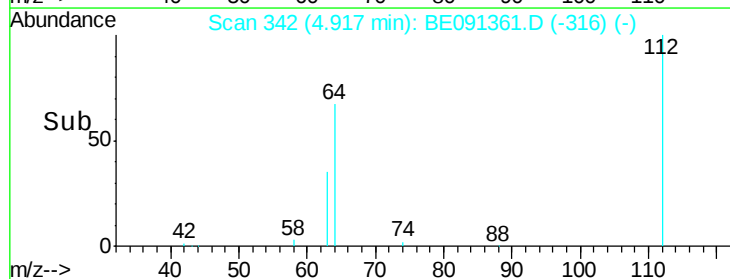
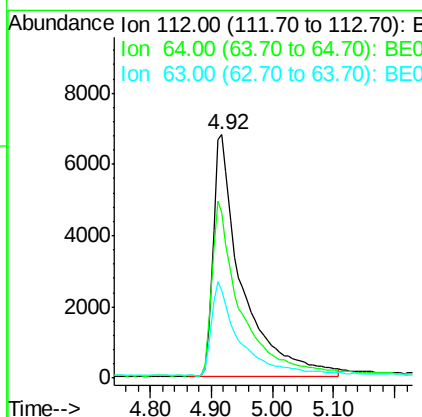
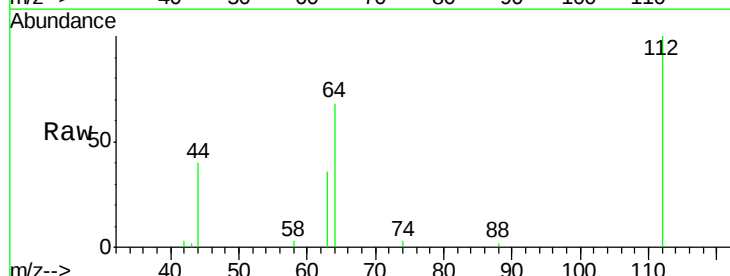
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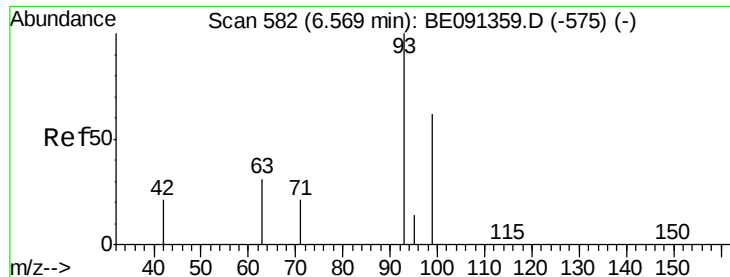


#2

2-Fluorophenol
Concen: 3.54 ng
RT: 4.92 min Scan# 342
Delta R.T. -0.03 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	57.4	86.0
63	38.4	32.2	48.2





#3

Phenol-d6

Concen: 5.24 ng

RT: 6.53 min Scan# 576

Delta R.T. -0.04 min

Lab File: BE091361.D

Acq: 14 Jan 2016 21:27

Instrument :

BNA_E

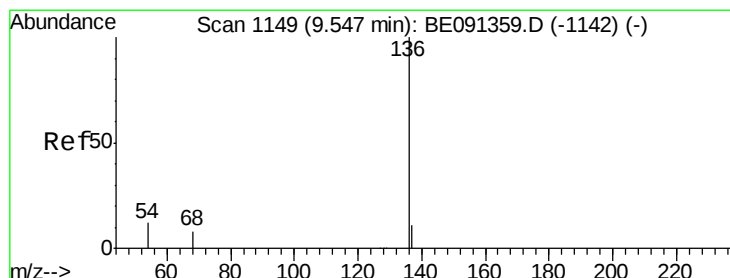
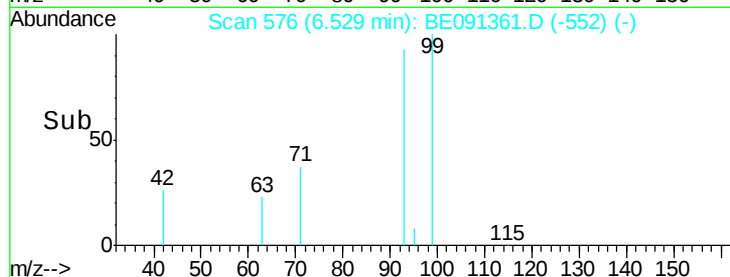
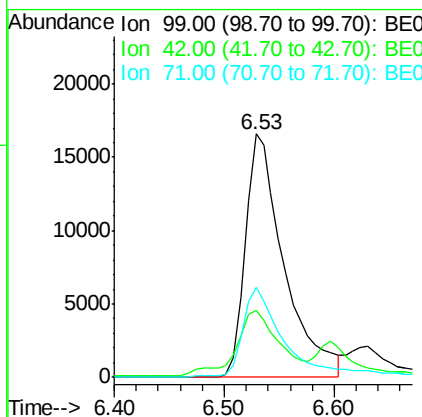
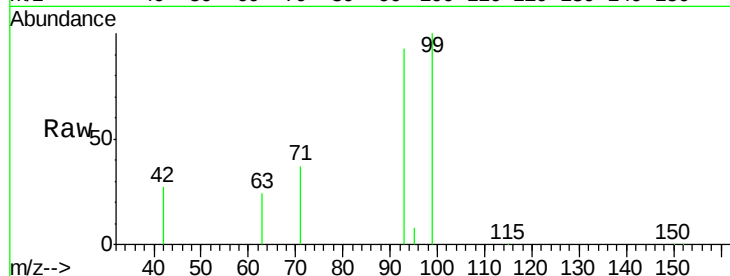
ClientSampleId :

SSTDIC005

Tgt Ion:	99	Resp:	40104
Ion Ratio	Lower	Upper	
99	100		
42	30.4	22.9	34.3
71	40.5	35.4	53.2

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#4

Naphthalene-d8

Concen: 5.00 ng

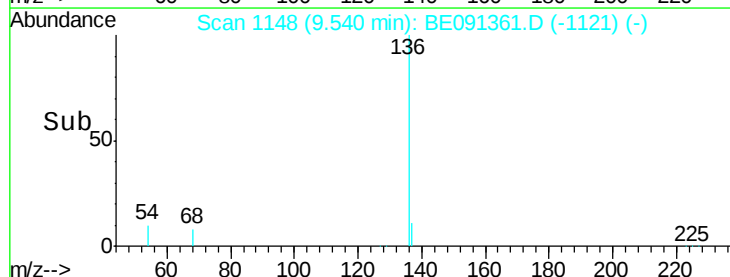
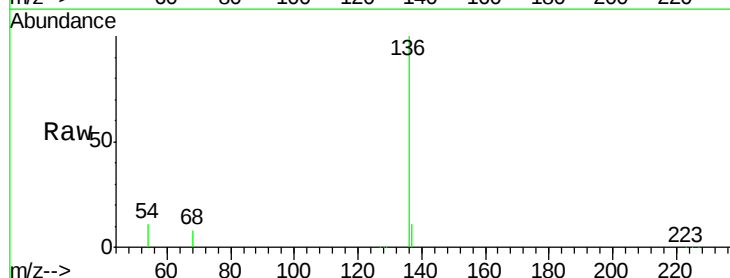
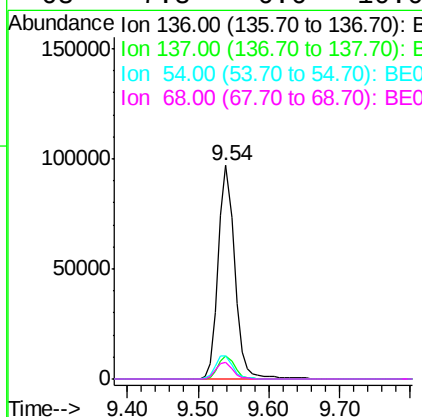
RT: 9.54 min Scan# 1148

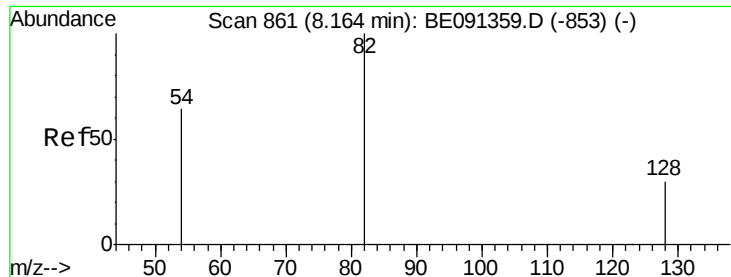
Delta R.T. -0.01 min

Lab File: BE091361.D

Acq: 14 Jan 2016 21:27

Tgt Ion:	136	Resp:	155903
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	10.8	9.8	14.6
68	7.8	6.6	10.0





#5

Nitrobenzene-d5

Concen: 6.12 ng

RT: 8.13 min Scan# 854

Delta R.T. -0.03 min

Lab File: BE091361.D

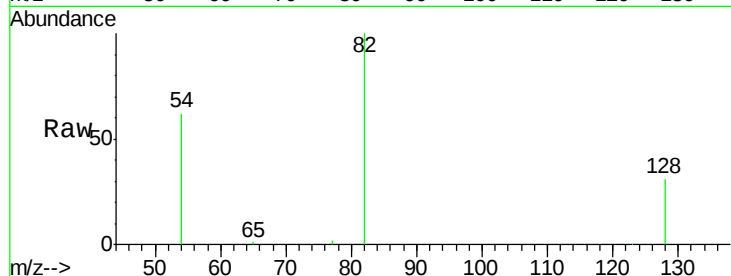
Acq: 14 Jan 2016 21:27

Instrument :

BNA_E

ClientSampleId :

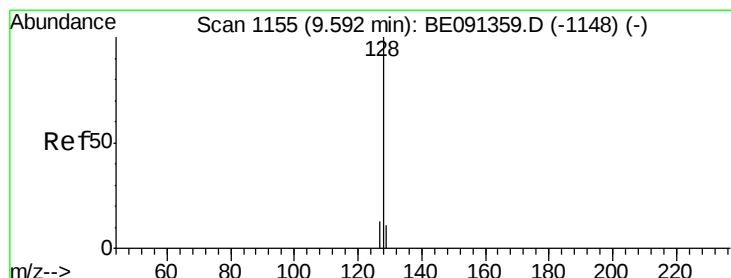
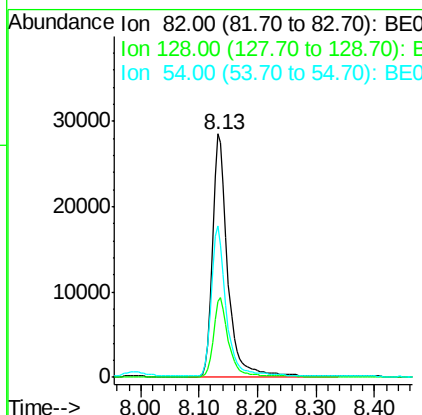
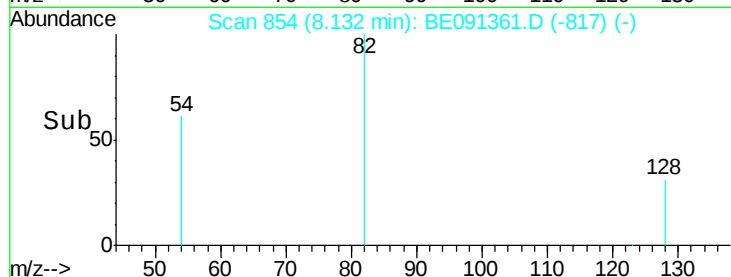
SSTDIC005



Tgt Ion:	82	Resp:	52196
Ion Ratio	Lower	Upper	
82	100		
128	31.3	24.6	36.8
54	62.1	52.7	79.1

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#6

Naphthalene

Concen: 4.88 ng

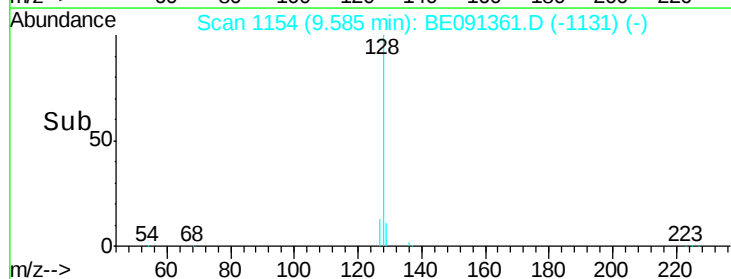
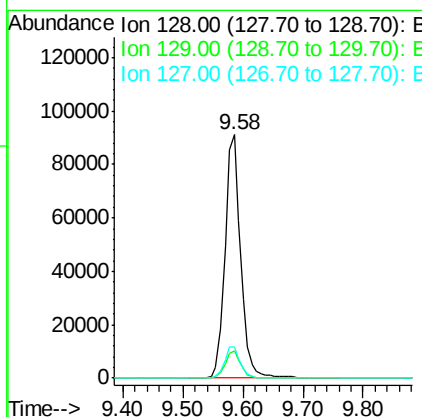
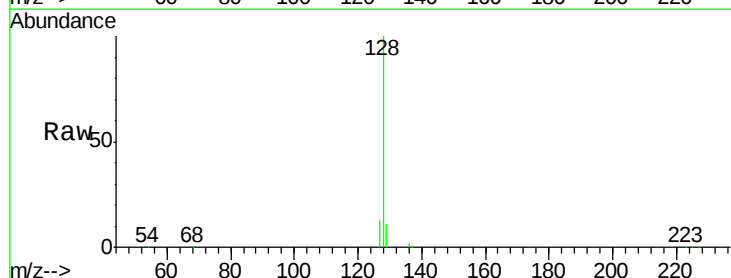
RT: 9.58 min Scan# 1154

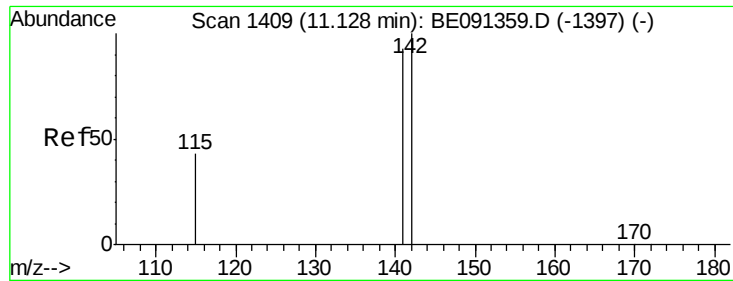
Delta R.T. -0.01 min

Lab File: BE091361.D

Acq: 14 Jan 2016 21:27

Tgt Ion:	128	Resp:	164630
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.3	13.9
127	12.7	10.6	15.8





#7

2-Methylnaphthalene

Concen: 5.12 ng

RT: 11.11 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BE091361.D

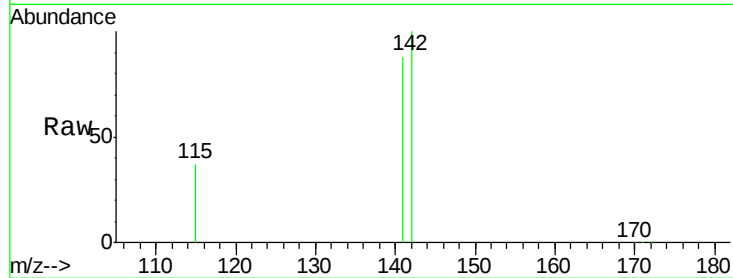
Acq: 14 Jan 2016 21:27

Instrument :

BNA_E

ClientSampleId :

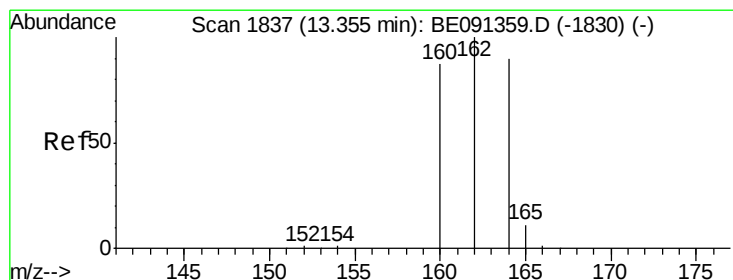
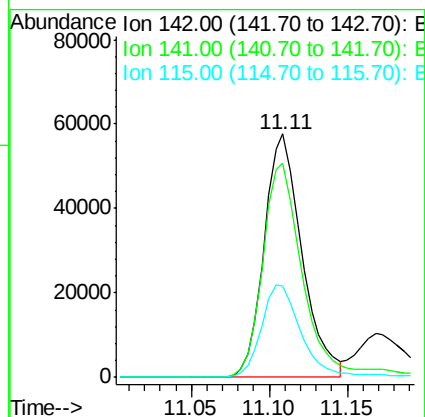
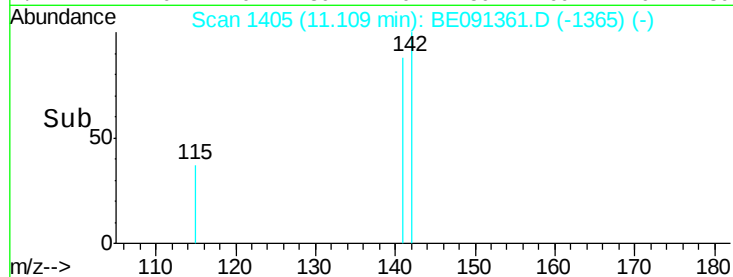
SSTDIC005



Tgt Ion:	142	Resp:	96362
Ion Ratio	Lower	Upper	
142	100		
141	88.2	74.5	111.7
115	37.4	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

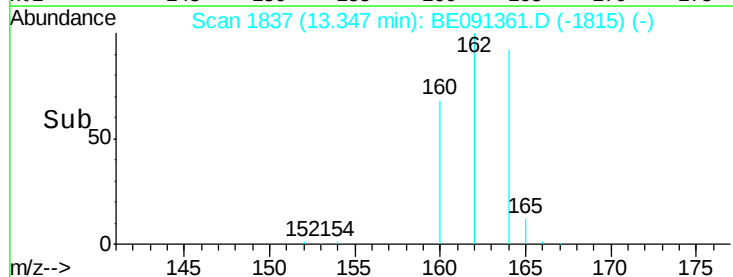
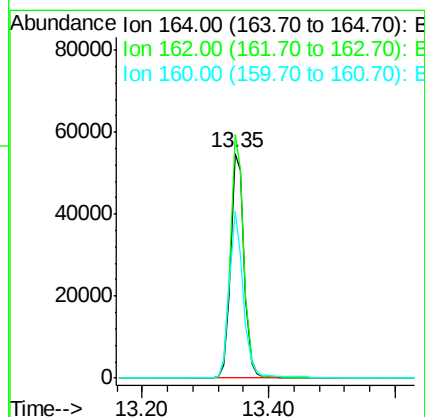
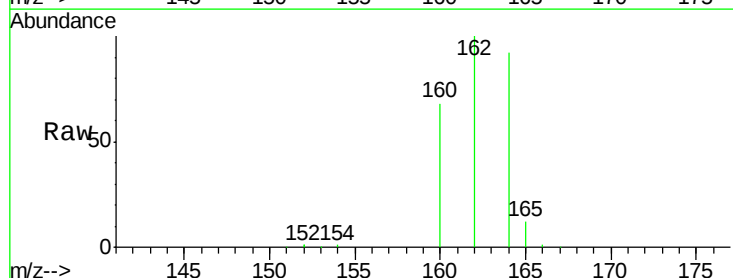
RT: 13.35 min Scan# 1837

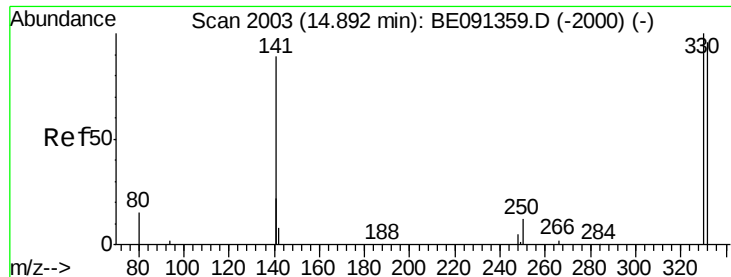
Delta R.T. -0.01 min

Lab File: BE091361.D

Acq: 14 Jan 2016 21:27

Tgt Ion:	164	Resp:	80442
Ion Ratio	Lower	Upper	
164	100		
162	108.4	88.5	132.7
160	74.1	76.7	115.1#





#9

2,4,6-Tribromophenol

Concen: 5.34 ng

RT: 14.88 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BE091361.D

Acq: 14 Jan 2016 21:27

Instrument :

BNA_E

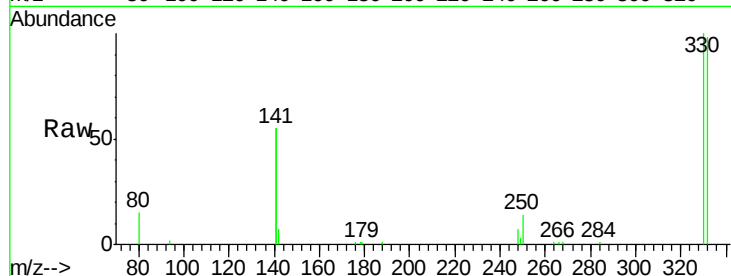
ClientSampleId :

SSTDIC005

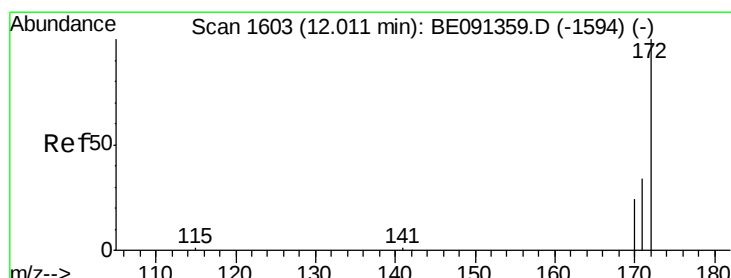
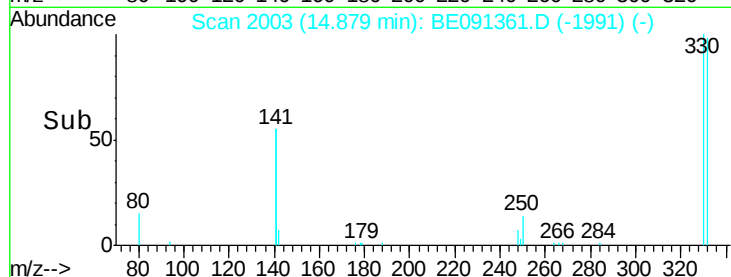
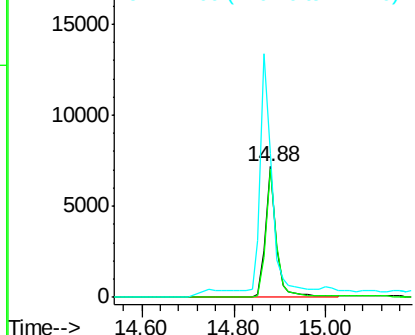
Tgt Ion:	330	Resp:	13139
Ion Ratio	Lower	Upper	
330	100		
332	83.7	78.6	118.0
141	168.7	147.8	221.8

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#10

2-Fluorobiphenyl

Concen: 5.09 ng

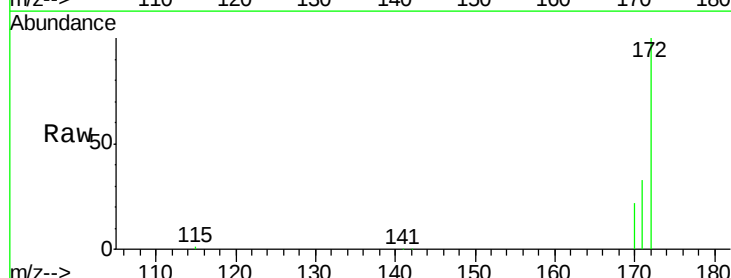
RT: 12.00 min Scan# 1600

Delta R.T. -0.02 min

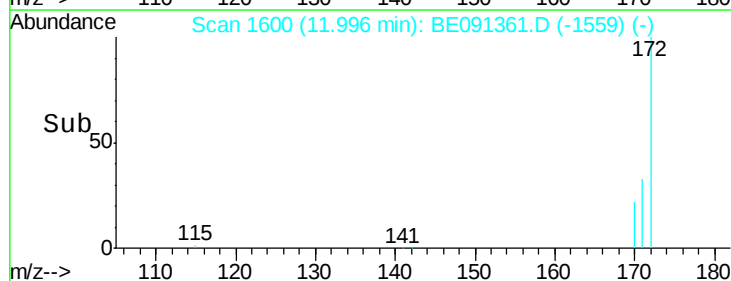
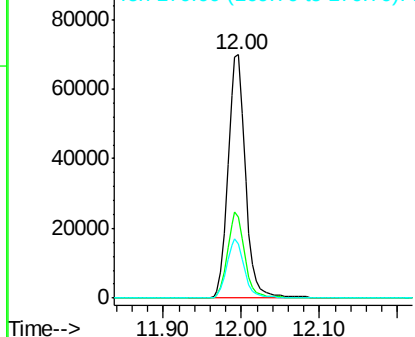
Lab File: BE091361.D

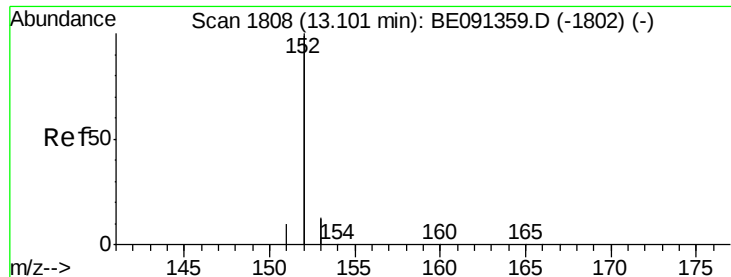
Acq: 14 Jan 2016 21:27

Tgt Ion:	172	Resp:	108357
Ion Ratio	Lower	Upper	
172	100		
171	33.4	27.3	40.9
170	22.4	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





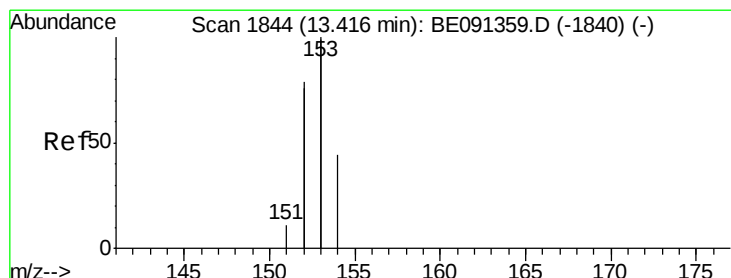
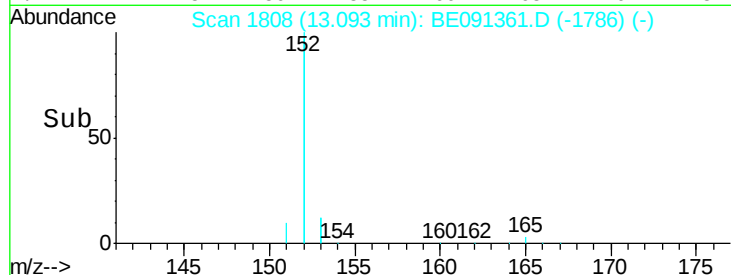
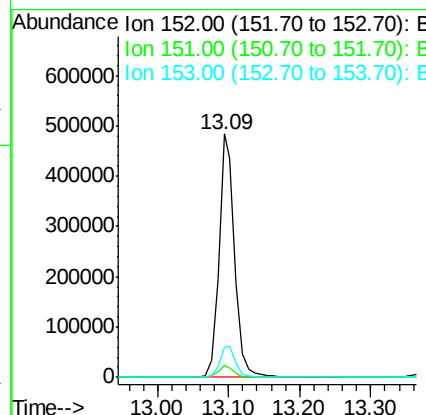
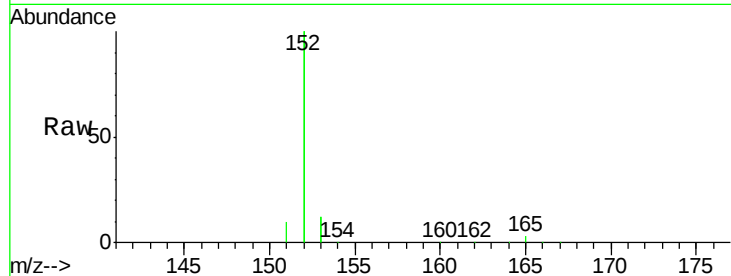
#11
Acenaphthylene
Concen: 5.72 ng
RT: 13.09 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	13.0	10.1	15.1

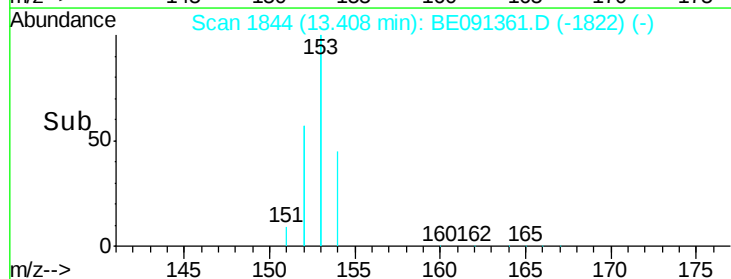
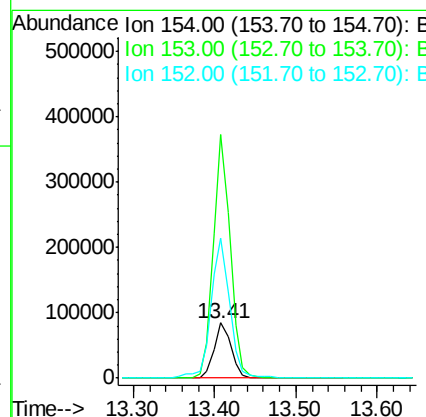
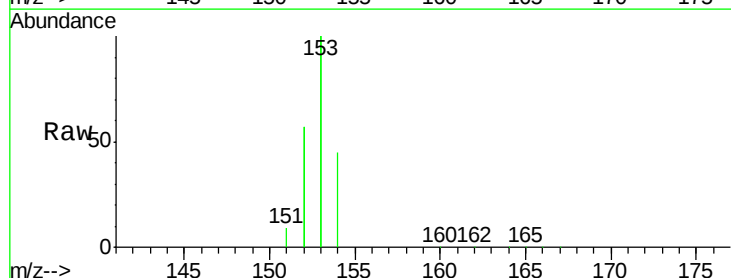
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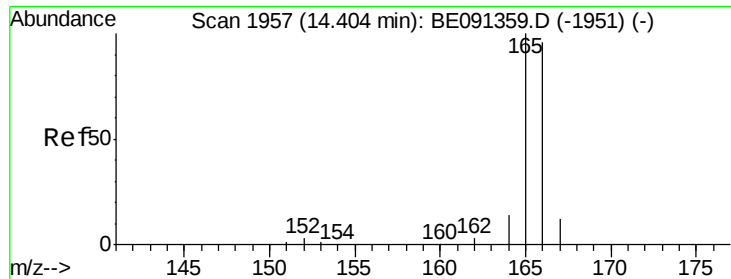
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#12
Acenaphthene
Concen: 5.56 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	441.1	370.2	555.4
152	278.3	310.5	465.7





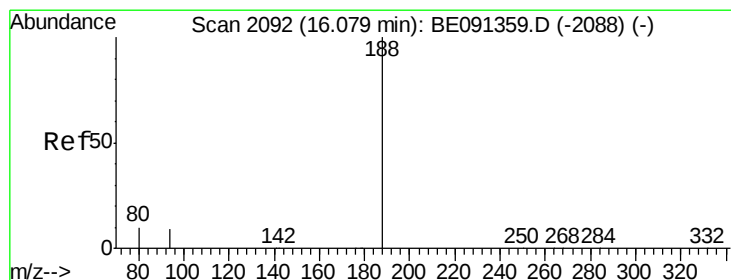
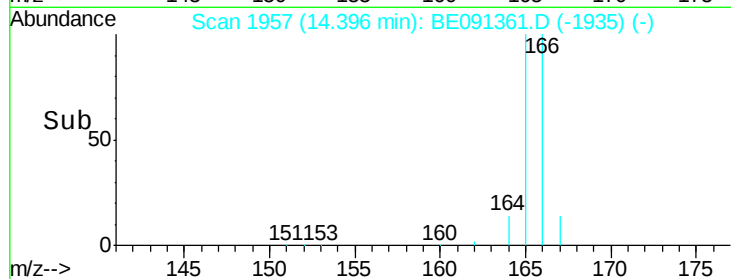
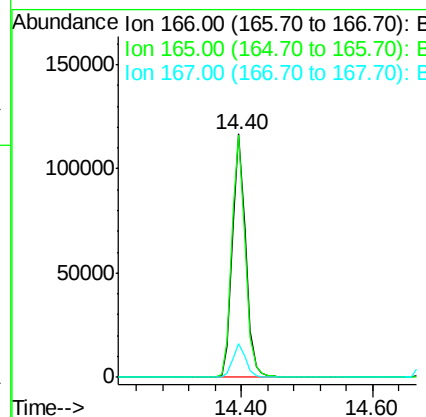
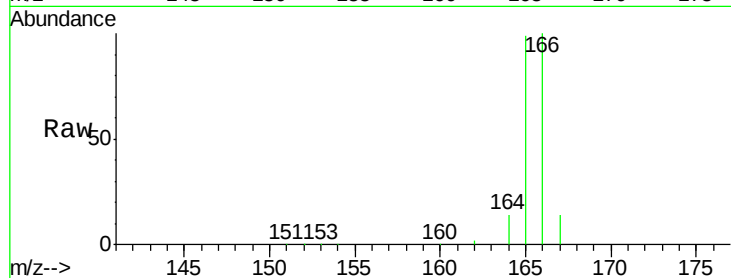
#13
Fluorene
 Concen: 6.16 ng
 RT: 14.40 min Scan# 1957
 Delta R.T. -0.01 min
 Lab File: BE091361.D
 Acq: 14 Jan 2016 21:27

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	163503		
165	100.1	83.0	124.6	
167	13.5	11.1	16.7	

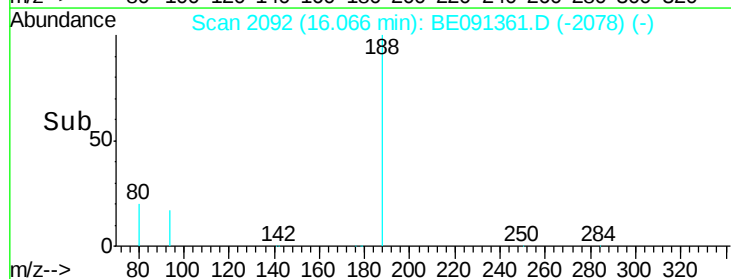
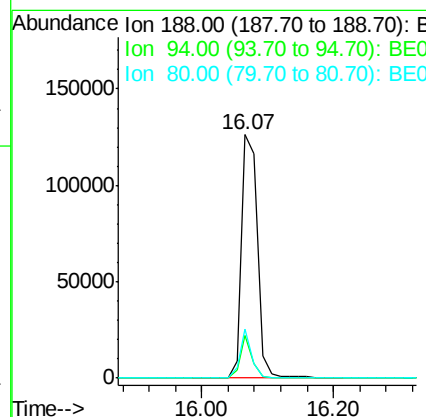
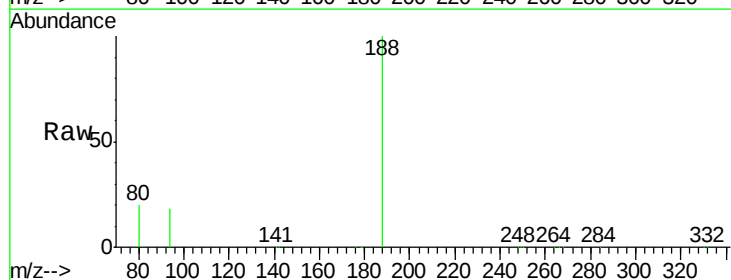
Manual Integrations
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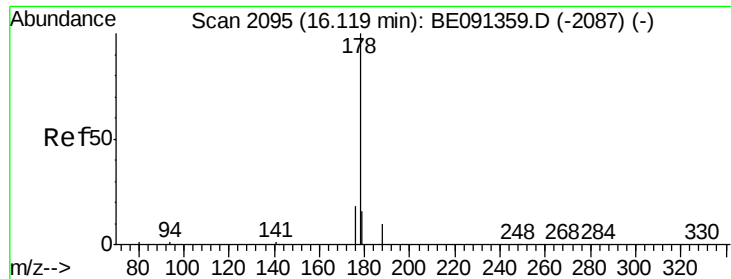
mohammad
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#14
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.07 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: BE091361.D
 Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	215756		
94	17.5	7.5	11.3#	
80	20.0	8.2	12.2#	





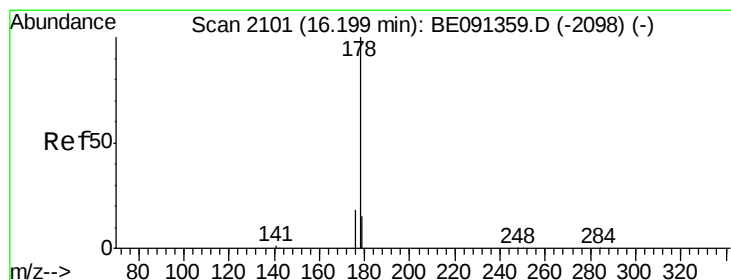
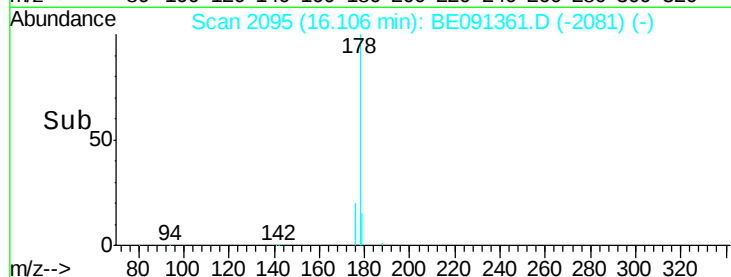
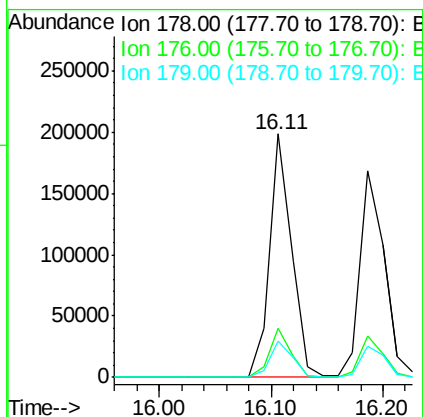
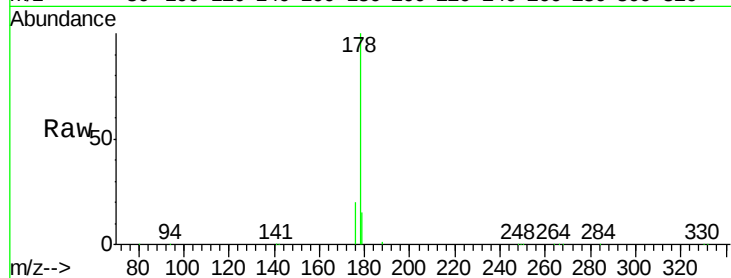
#15
Phenanthrene
Concen: 5.00 ng
RT: 16.11 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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

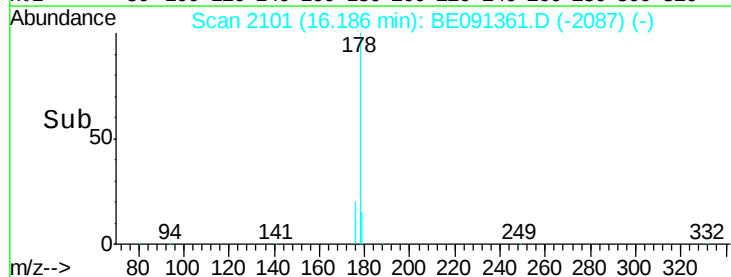
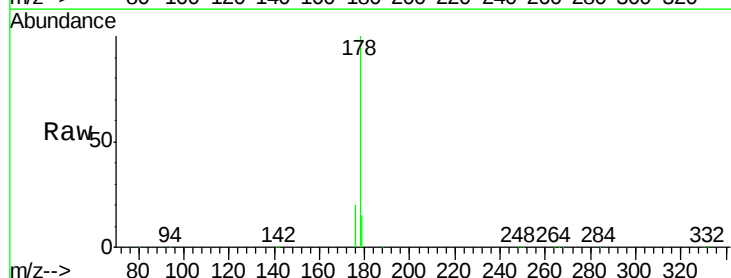
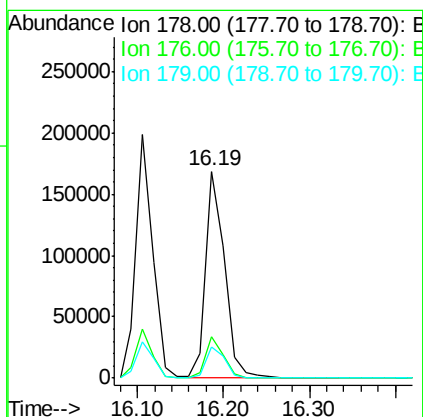
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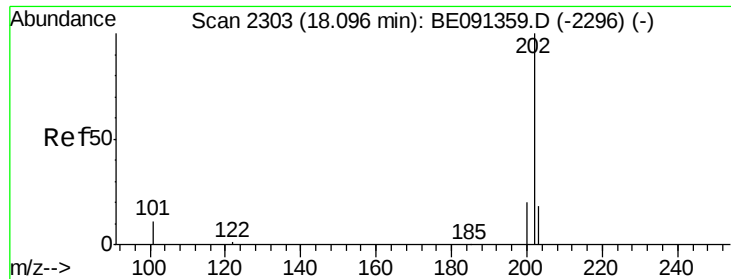
mohammad
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#16
Anthracene
Concen: 5.36 ng
RT: 16.19 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.6	12.4	18.6





#17

Fluoranthene

Concen: 4.09 ng

RT: 18.09 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BE091361.D

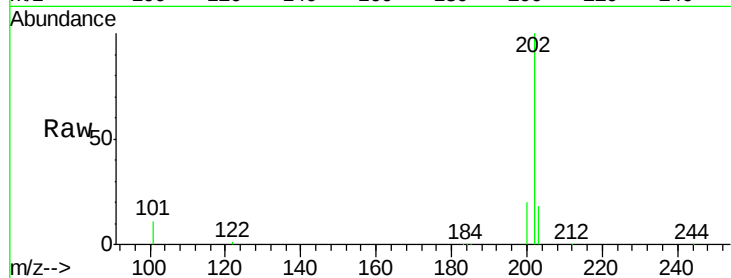
Acq: 14 Jan 2016 21:27

Instrument :

BNA_E

ClientSampleId :

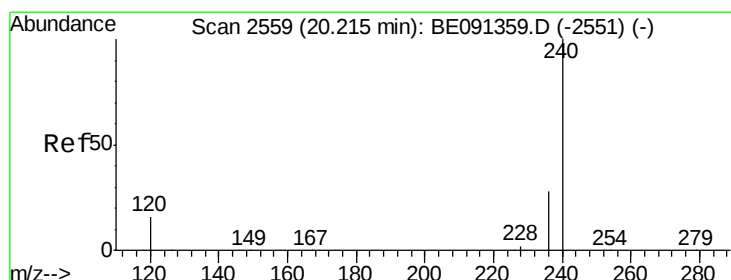
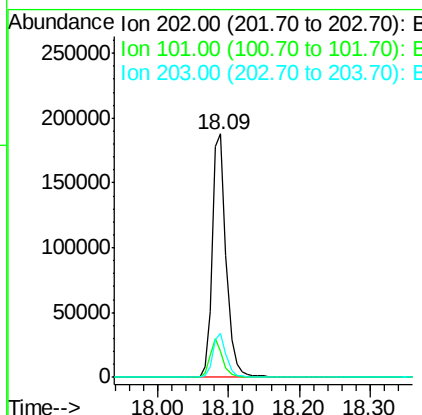
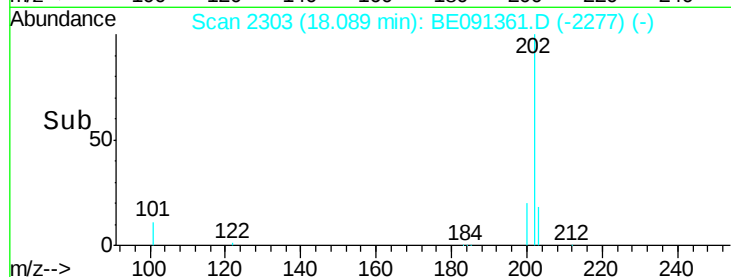
SSTDICC005



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		259852		
101	14.4	11.0	16.4		
203	17.4	13.9	20.9		

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#18

Chrysene-d12

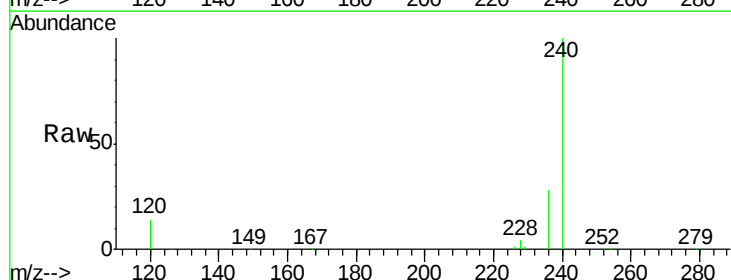
Concen: 5.00 ng

RT: 20.21 min Scan# 2560

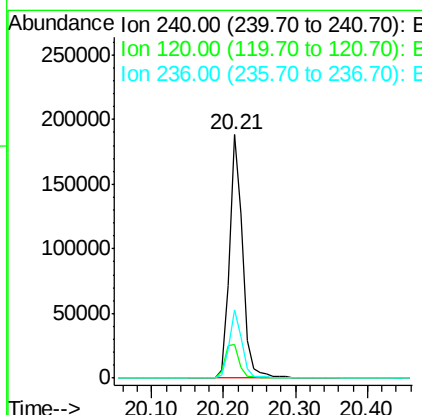
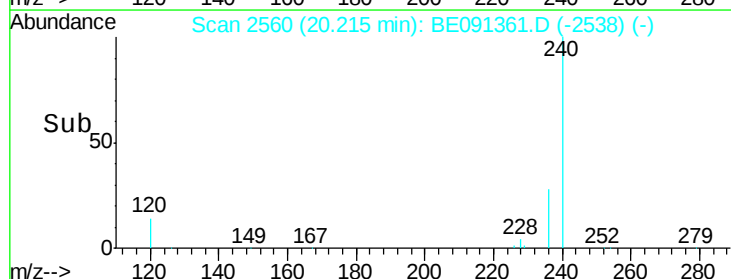
Delta R.T. -0.00 min

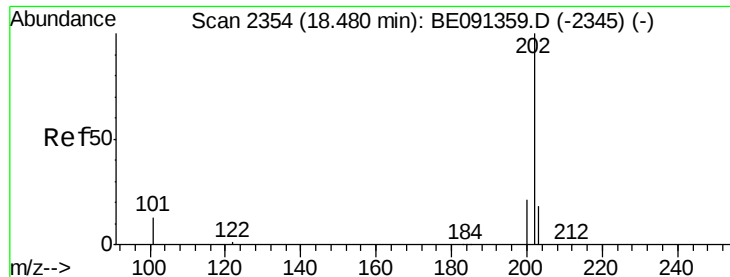
Lab File: BE091361.D

Acq: 14 Jan 2016 21:27



Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		239520		
120	13.8	12.6	19.0		
236	28.1	22.7	34.1		





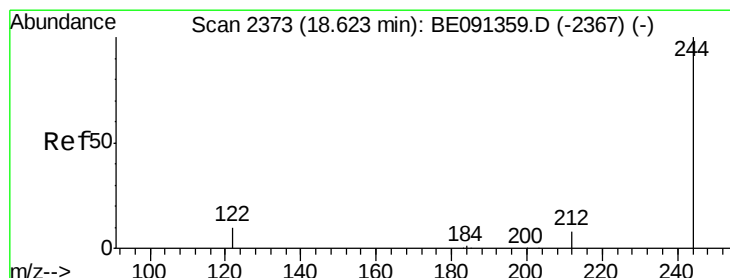
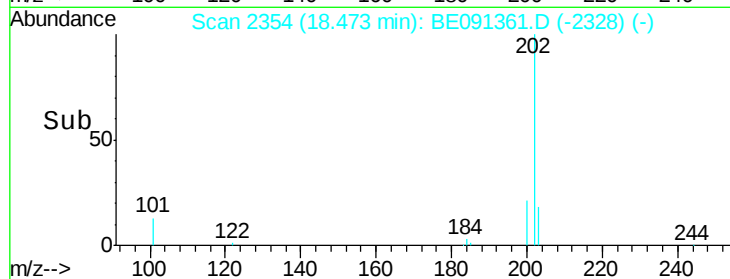
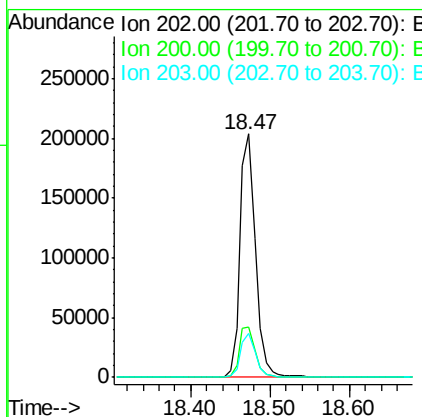
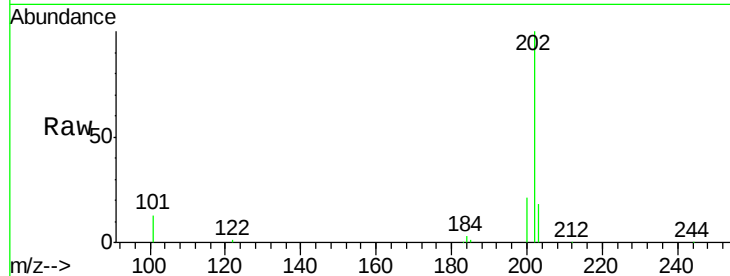
#19
 Pyrene
 Concen: 4.74 ng
 RT: 18.47 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BE091361.D
 Acq: 14 Jan 2016 21:27

Instrument :
 BNA_E
 ClientSampled :
 SSTDICC005

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.5	14.2	21.4

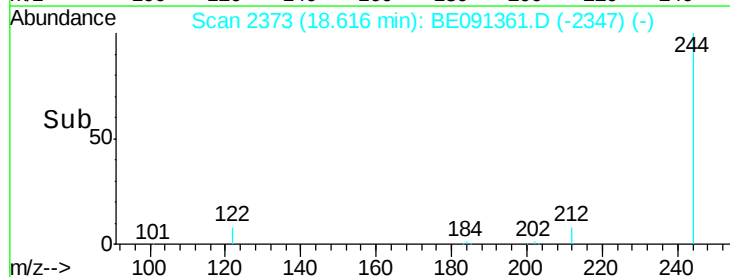
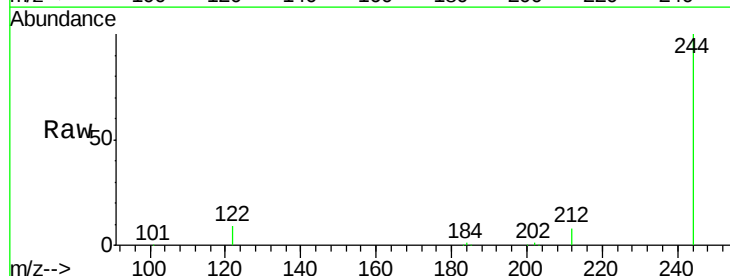
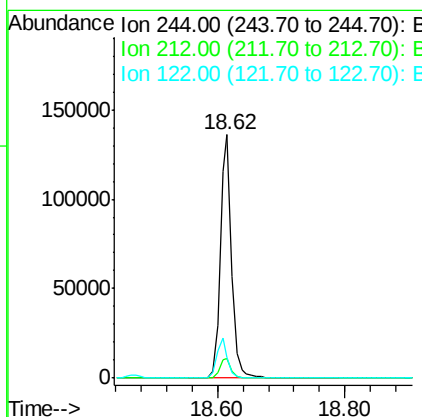
Manual Integrations
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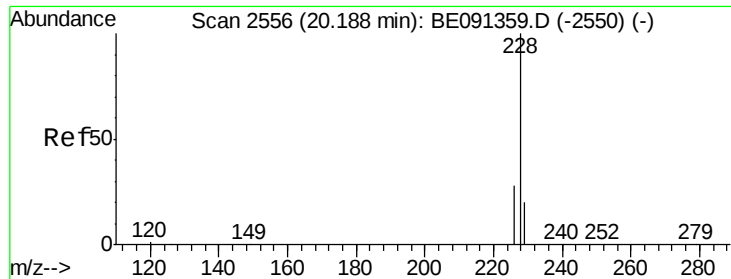
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#20
 Terphenyl-d14
 Concen: 5.67 ng
 RT: 18.62 min Scan# 2373
 Delta R.T. -0.01 min
 Lab File: BE091361.D
 Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	7.0	10.4
122	8.5	8.5	12.7





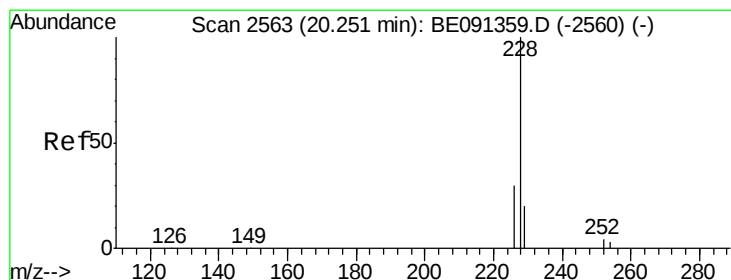
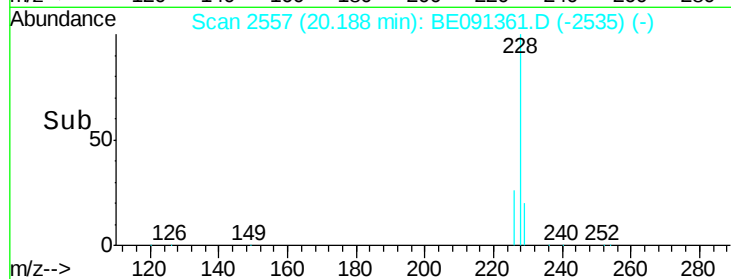
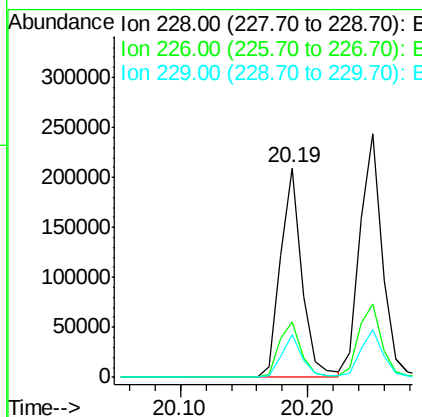
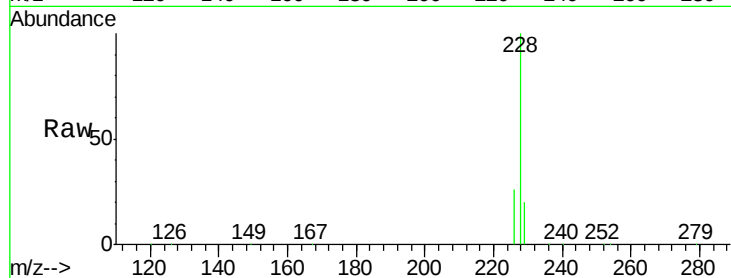
#21
Benzo(a)anthracene
Concen: 4.59 ng
RT: 20.19 min Scan# 2557
Delta R.T. -0.00 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.5	33.7
229	20.2	16.2	24.4

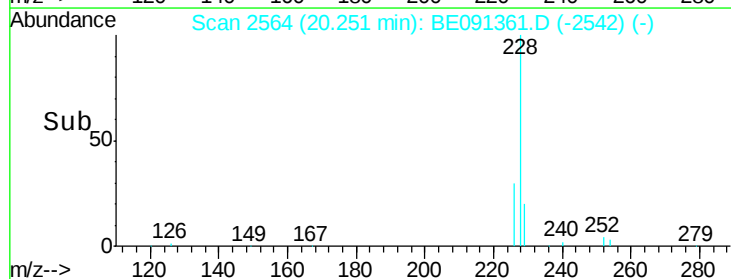
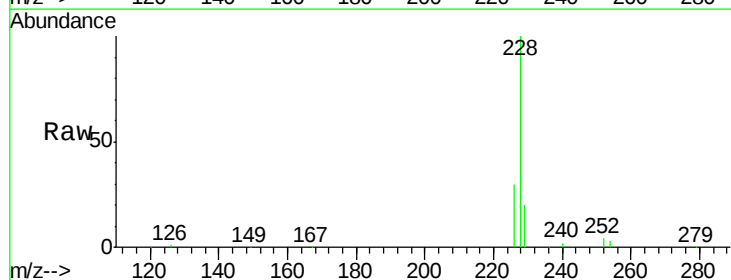
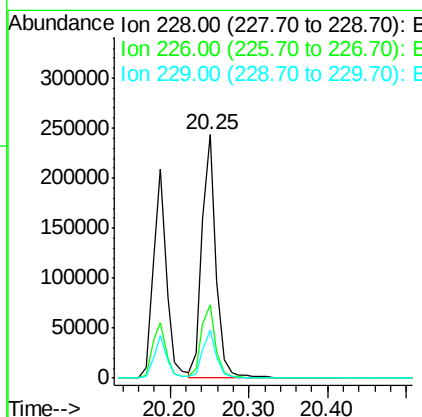
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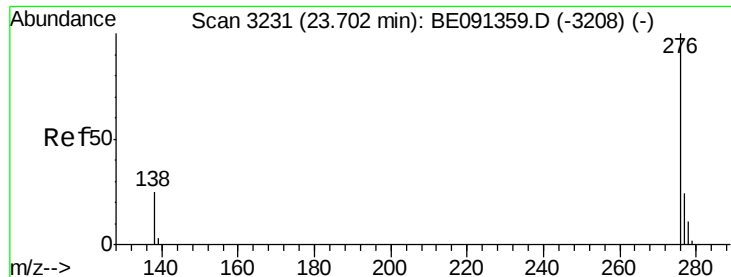
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#22
Chrysene
Concen: 4.22 ng
RT: 20.25 min Scan# 2564
Delta R.T. -0.00 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	19.8	16.0	24.0





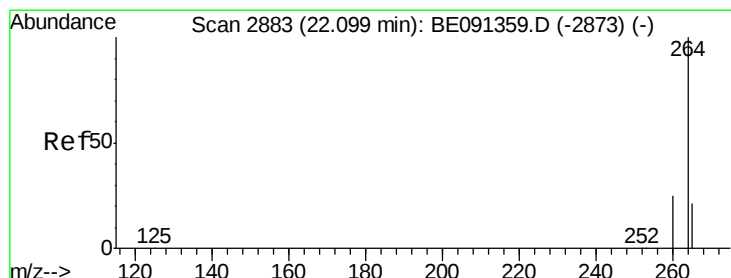
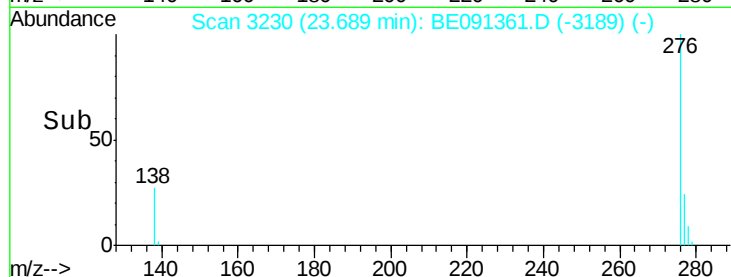
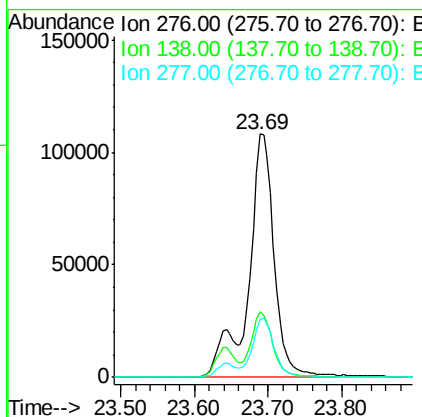
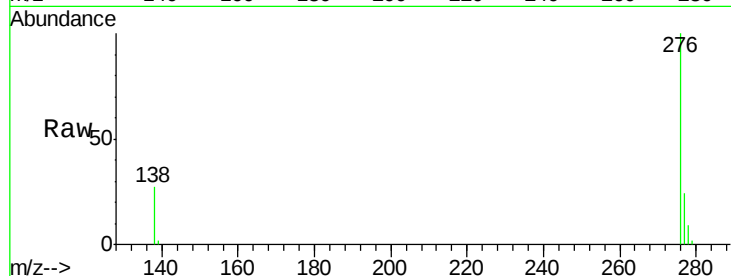
#23
Indeno(1,2,3-cd)pyrene
Concen: 4.76 ng m
RT: 23.69 min Scan# 3230
Delta R.T. -0.01 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.0	18.6	27.8
277	20.4	16.5	24.7

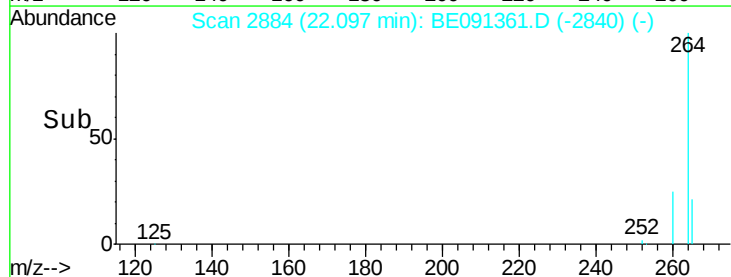
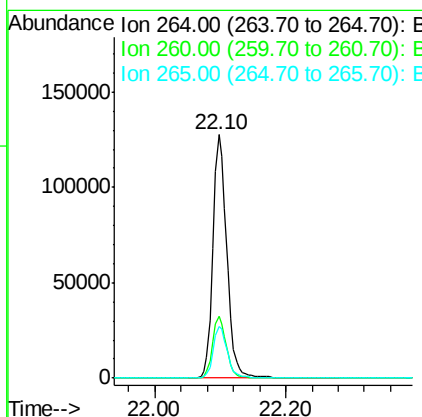
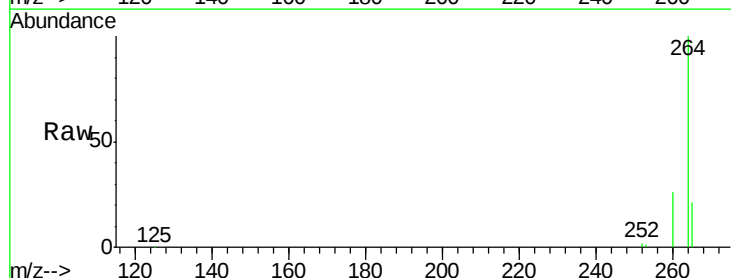
Manual Integrations
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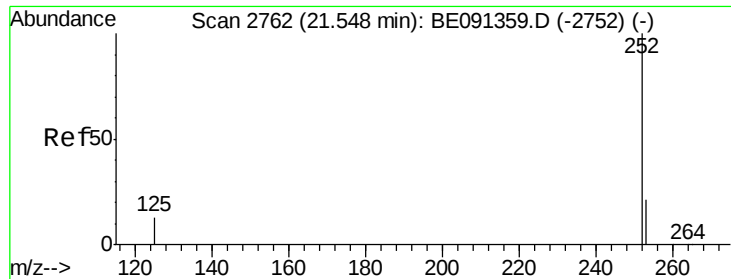
mohammad
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2884
Delta R.T. -0.00 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

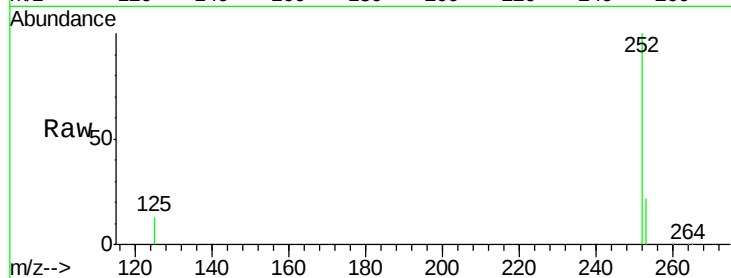
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.5	20.4	30.6
265	21.1	17.2	25.8





#25
Benzo(b)fluoranthene
Concen: 6.18 ng
RT: 21.55 min Scan# 2763
Delta R.T. -0.00 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

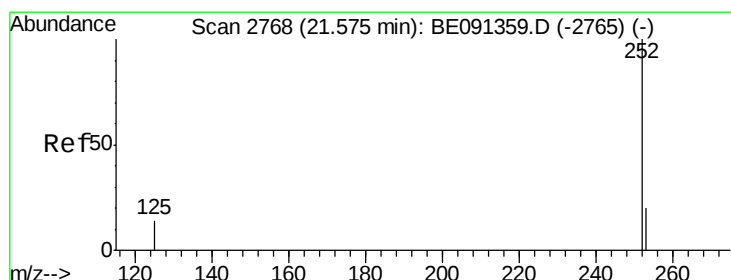
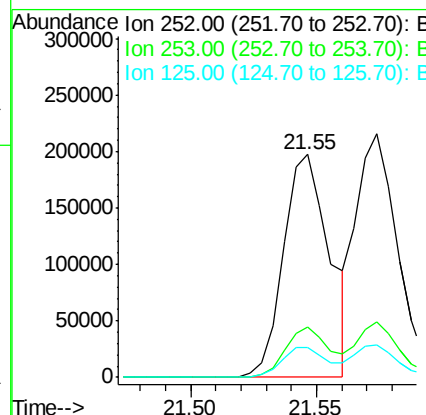
Instrument :
BNA_E
ClientSampleId :
SSTDIC005



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	13.3	11.0	16.6

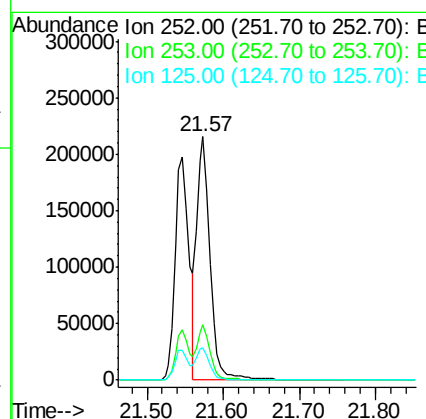
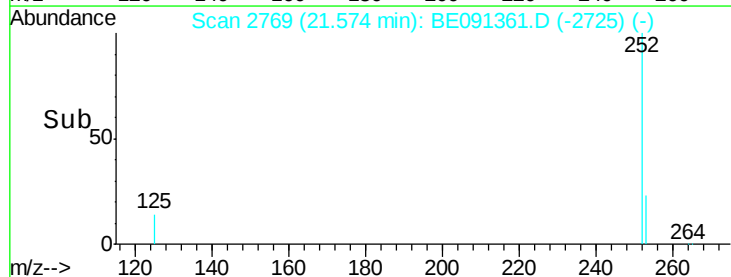
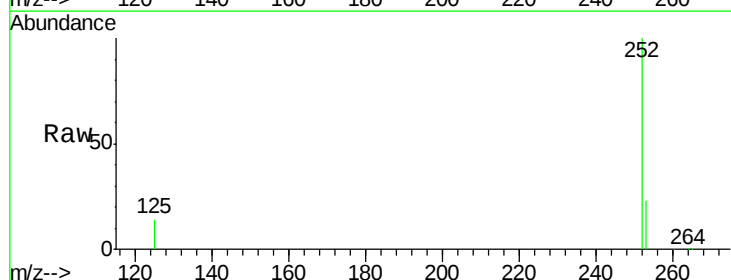
Manual Integrations
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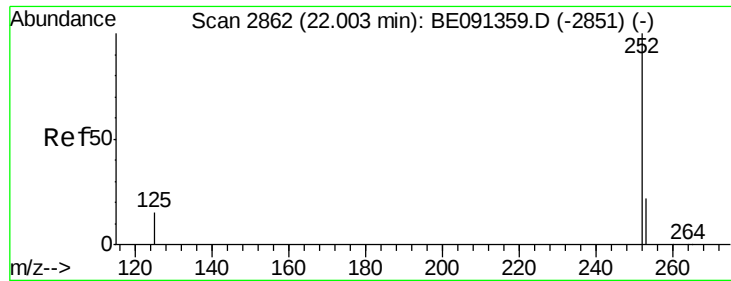
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#26
Benzo(k)fluoranthene
Concen: 4.66 ng
RT: 21.57 min Scan# 2769
Delta R.T. -0.00 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	13.6	11.3	16.9





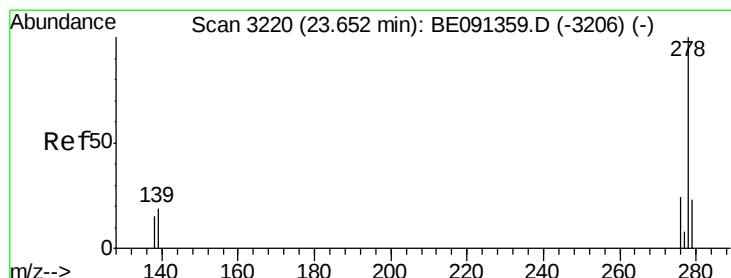
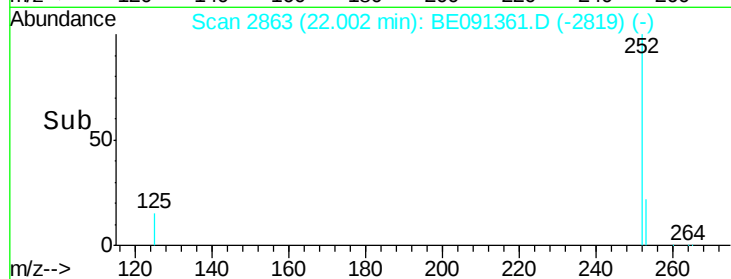
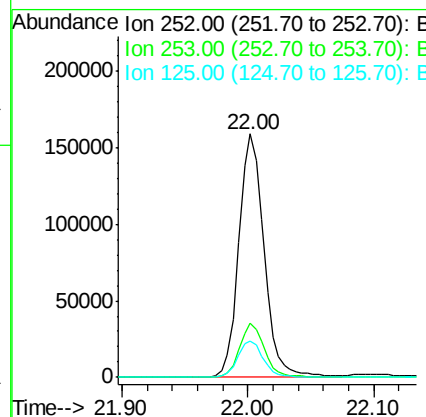
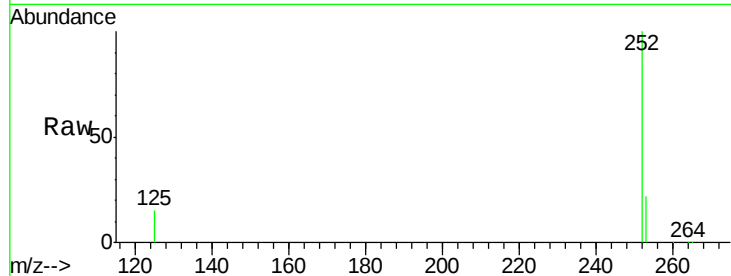
#27
Benzo(a)pyrene
Concen: 5.76 ng
RT: 22.00 min Scan# 2863
Delta R.T. -0.00 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.1	18.1	27.1
125	15.0	12.2	18.4

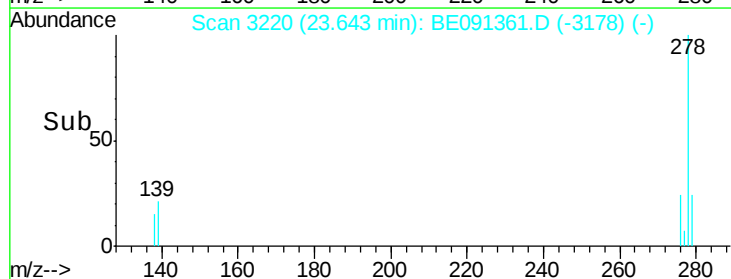
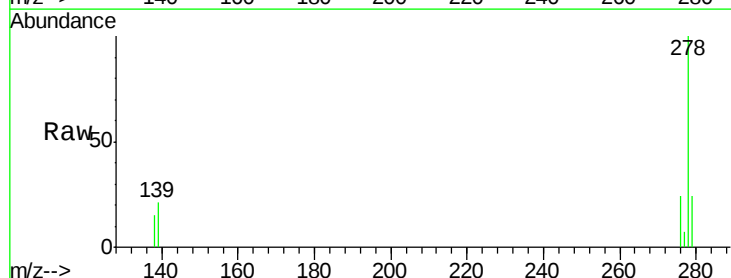
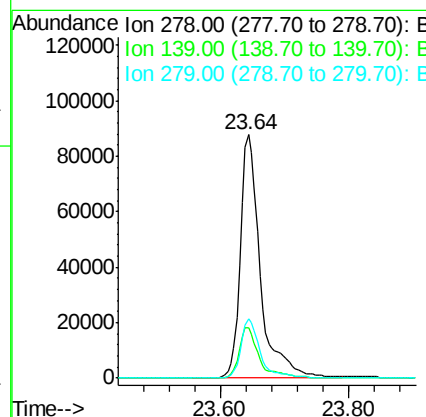
Manual Integrations
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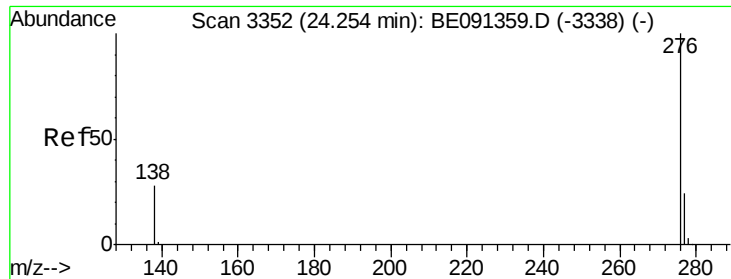
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#28
Dibenzo(a,h)anthracene
Concen: 5.20 ng
RT: 23.64 min Scan# 3220
Delta R.T. -0.01 min
Lab File: BE091361.D
Acq: 14 Jan 2016 21:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	20.7	16.3	24.5
279	24.3	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 5.34 ng

RT: 24.24 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BE091361.D

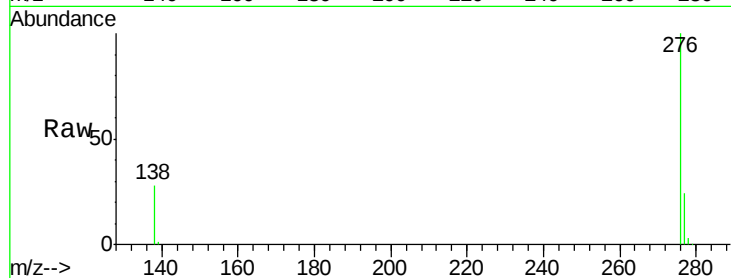
Acq: 14 Jan 2016 21:27

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion:	276	Resp:	214464
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.8	29.6
138	28.1	23.3	34.9

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