

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089811.D
 Acq On : 24 Mar 2015 12:08
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
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mohammad
 3/25/2015 5:43:45 PM

Quant Time: Mar 24 17:48:36 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 24 14:06:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	192822	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	735278	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	322982	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	542860	5.00	ng	0.00
19) Chrysene-d12	24.26	240	422986	5.00	ng	0.00
25) Perylene-d12	27.41	264	344095	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	5277	0.13	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	9762	0.12	ng	0.00
21) Terphenyl-d14	21.86	244	7865	0.13	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.52	88	3608	0.15	ng	100
3) n-Nitrosodimethylamine	2.99	42	3657	0.17	ng	100
6) Naphthalene	10.31	128	17761	0.12	ng	100
7) 2-Methylnaphthalene	11.94	142	7784	0.09	ng	100
10) Acenaphthylene	14.04	152	54491	0.11	ng	100
11) Acenaphthene	14.46	154	8840	0.11	ng	100
12) Fluorene	15.71	166	10510	0.12	ng	100
14) Hexachlorobenzene	16.98	284	2328	0.14	ng	100
16) Phenanthrene	17.97	178	15448	0.12	ng	100
17) Anthracene	18.10	178	12786	0.11	ng	100
18) Fluoranthene	20.82	202	12244	0.12	ng	100
20) Pyrene	21.35	202	14532	0.10	ng	100
22) Benzo(a)anthracene	24.25	228	9778	0.04	ng	100
23) Chrysene	24.32	228	9874	0.03	ng	100
24) Indeno(1,2,3-cd)pyrene	29.38	276	3916m	0.05	ng	100
26) Benzo(b)fluoranthene	26.64	252	4798	0.17	ng	100
27) Benzo(k)fluoranthene	26.70	252	7081m	0.10	ng	100
28) Benzo(a)pyrene	27.30	252	4397	0.13	ng	100
29) Dibenzo(a,h)anthracene	29.44	278	2033	0.12	ng	100
30) Benzo(g,h,i)perylene	29.82	276	4293	0.03	ng	100

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

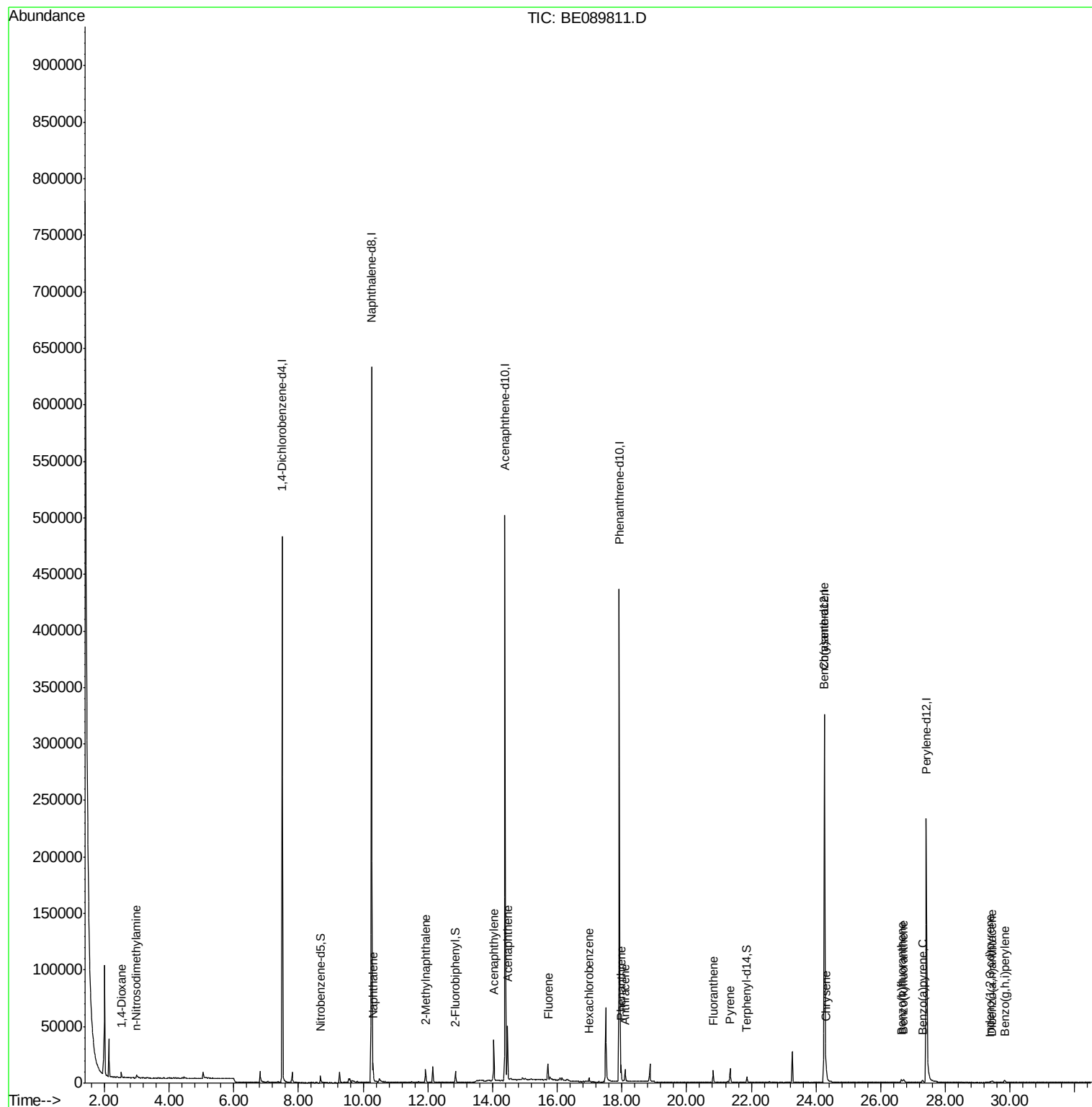
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
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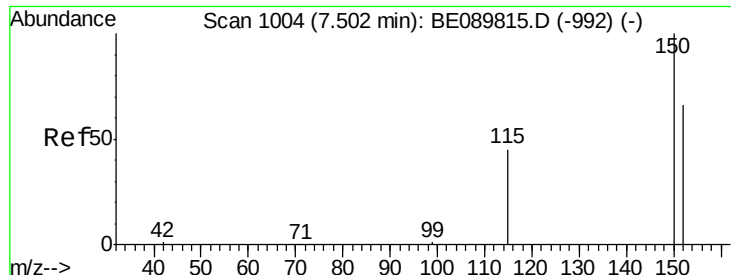
Instrument :
BNA_E
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SSTDIC0.1

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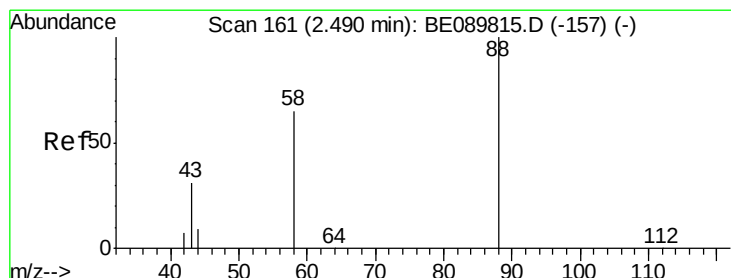
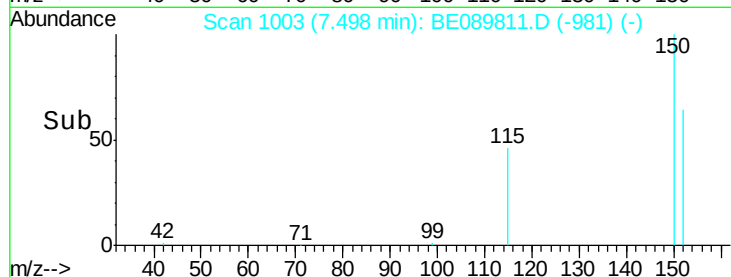
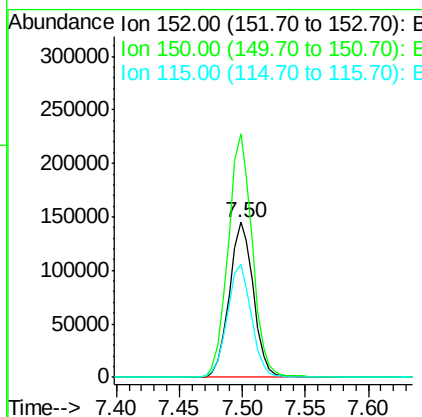
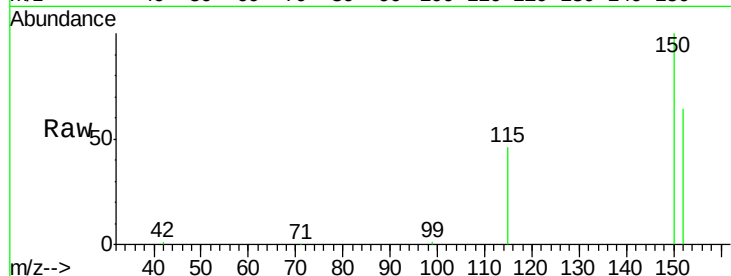
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.5	188.3
115	72.5	58.0	87.0

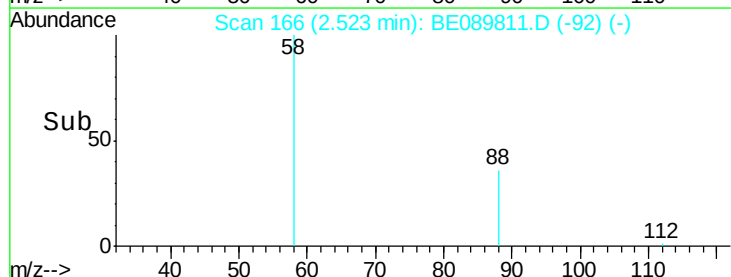
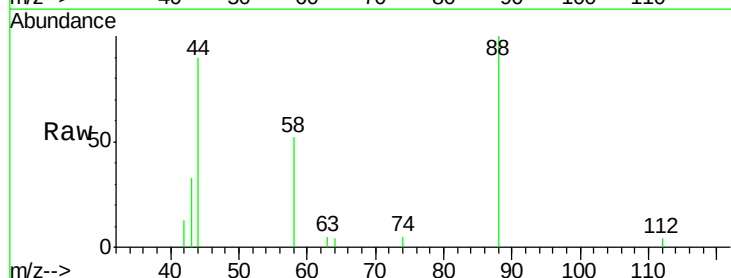
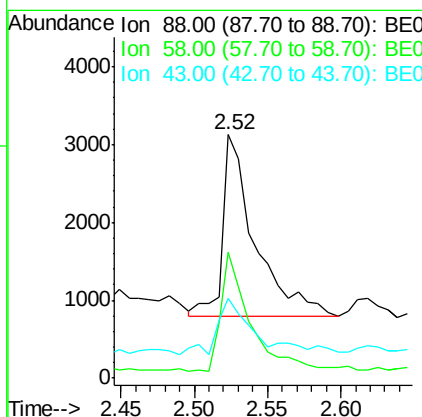
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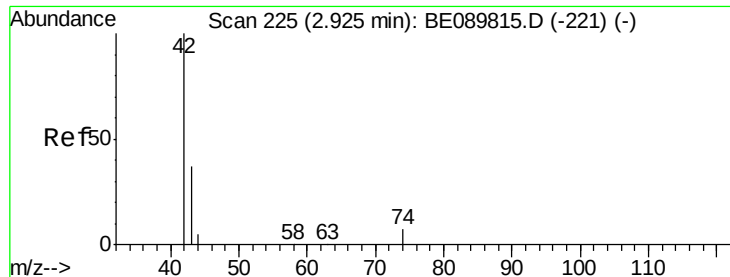
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#2
 1,4-Dioxane
 Concen: 0.15 ng
 RT: 2.52 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.7	48.6	72.8
43	35.8	28.6	43.0





#3

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 2.99 min Scan# 235

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

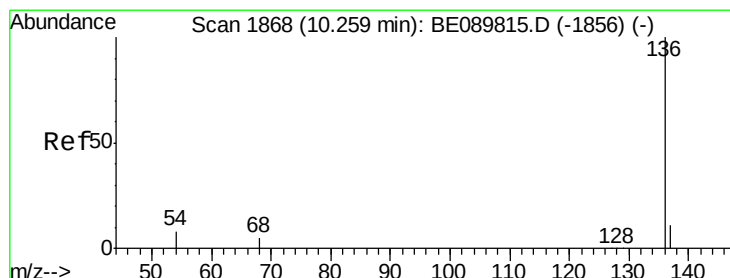
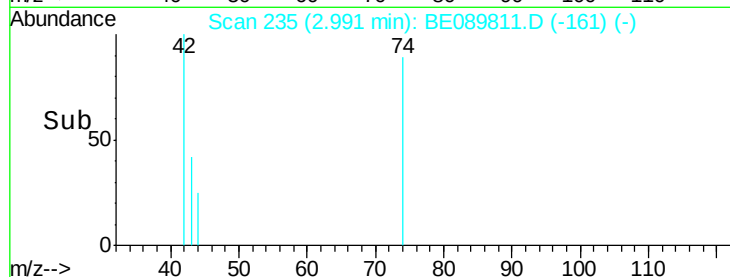
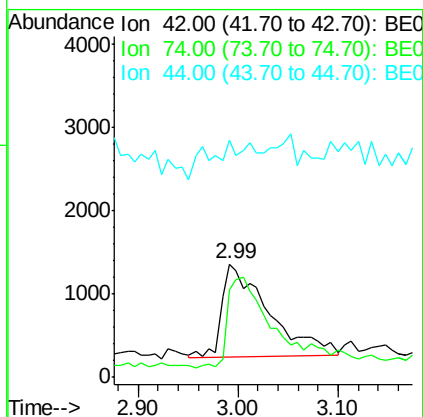
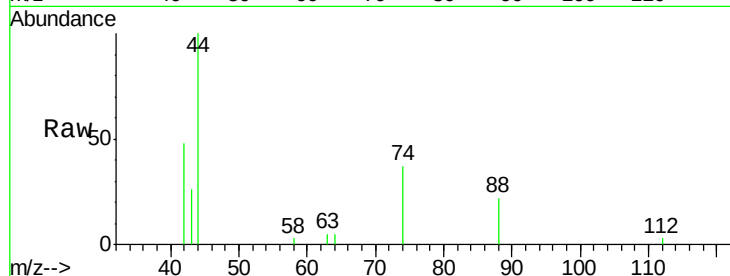
ClientSampleId :

SSTDIC0.1

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Tgt Ion:	42	Resp:	3657
Ion	Ratio	Lower	Upper
42	100		
74	85.9	68.7	103.1
44	7.8	6.2	9.4



#4

Naphthalene-d8

Concen: 5.00 ng

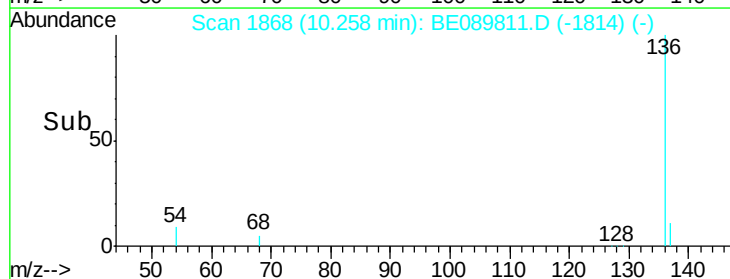
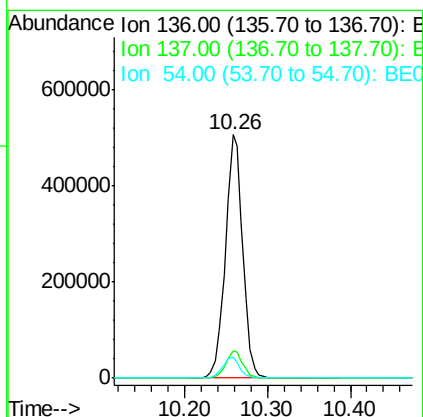
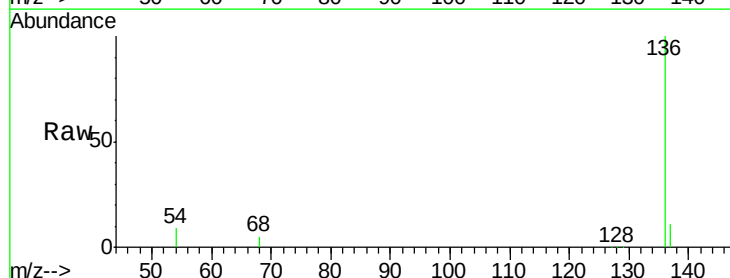
RT: 10.26 min Scan# 1868

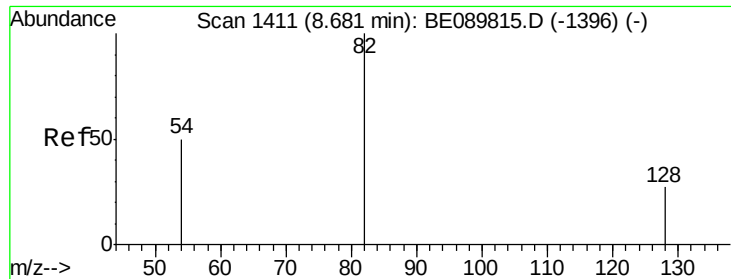
Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Tgt Ion:	136	Resp:	735278
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.7	7.0	10.4





#5

Nitrobenzene-d5

Concen: 0.13 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089811.D

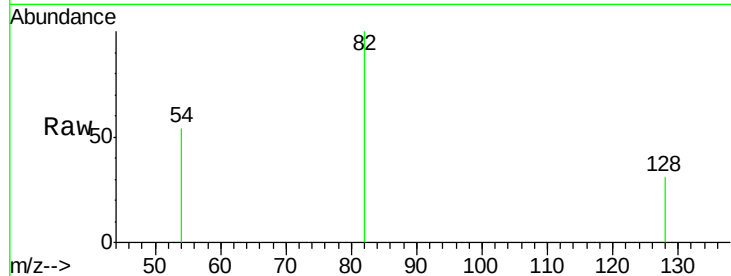
Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

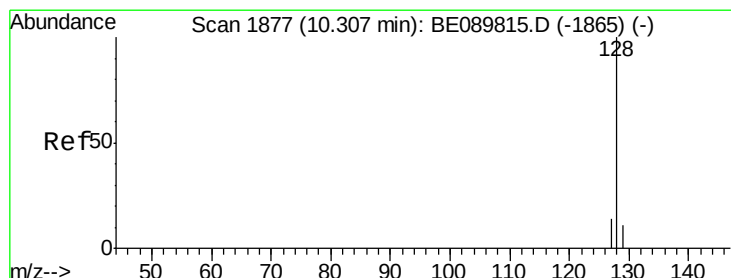
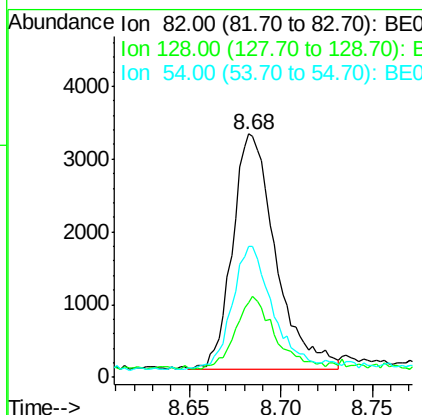
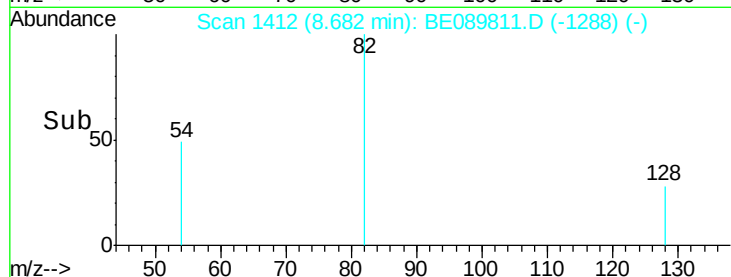
SSTDICC0.1



Tgt Ion:	82	Resp:	5277
Ion	Ratio	Lower	Upper
82	100		
128	30.8	24.6	37.0
54	53.8	43.0	64.6

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#6

Naphthalene

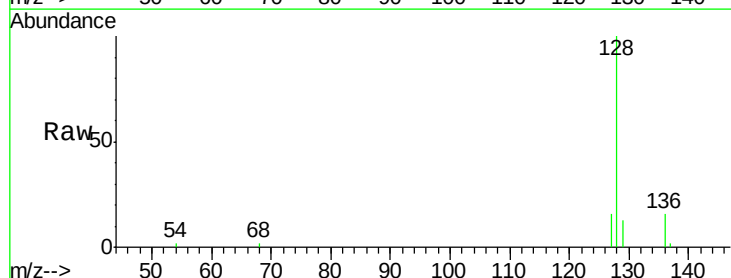
Concen: 0.12 ng

RT: 10.31 min Scan# 1877

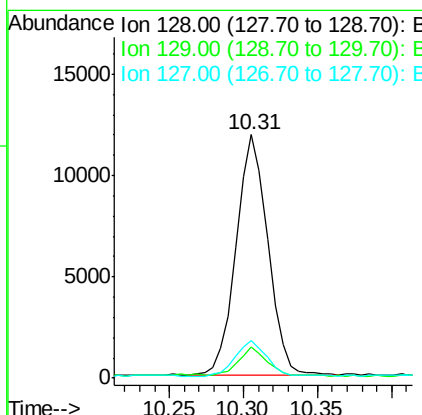
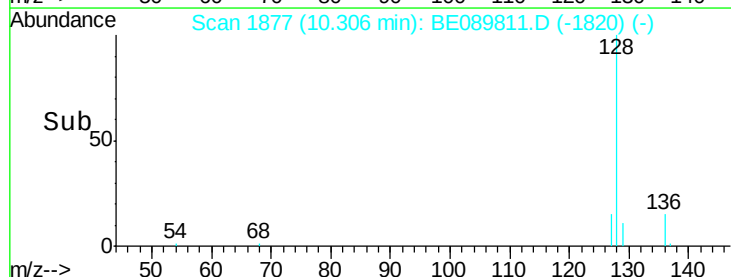
Delta R.T. 0.00 min

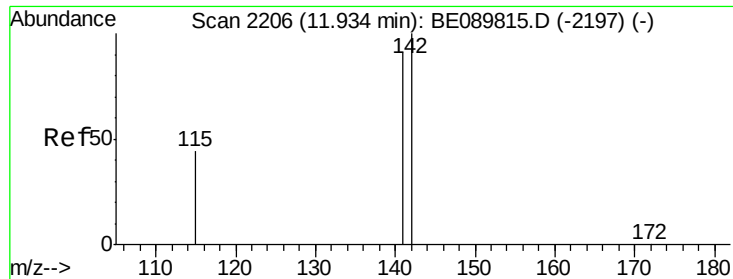
Lab File: BE089811.D

Acq: 24 Mar 2015 12:08



Tgt Ion:	128	Resp:	17761
Ion	Ratio	Lower	Upper
128	100		
129	12.5	10.0	15.0
127	15.6	12.5	18.7





#7

2-Methylnaphthalene

Concen: 0.09 ng

RT: 11.94 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

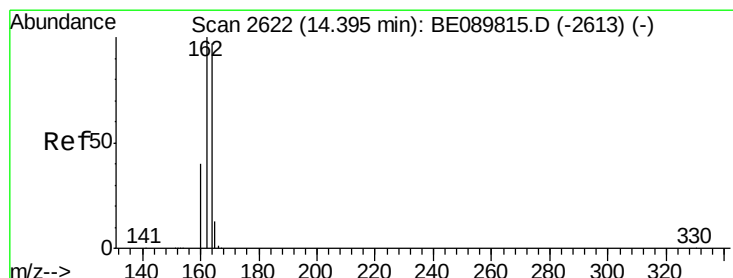
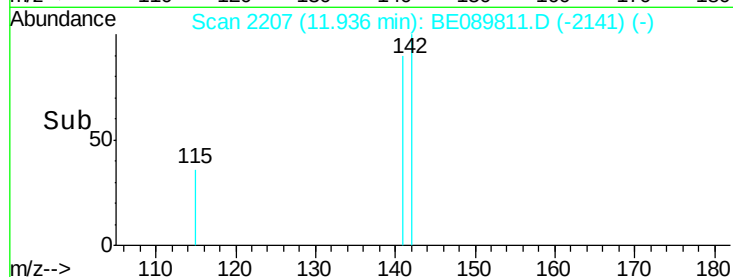
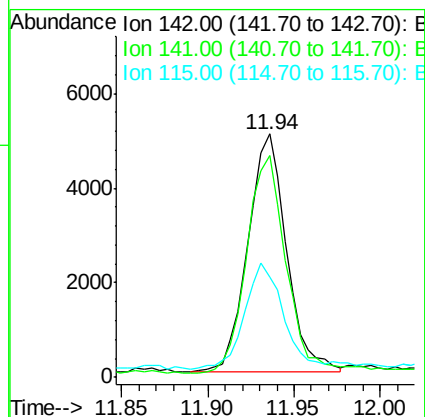
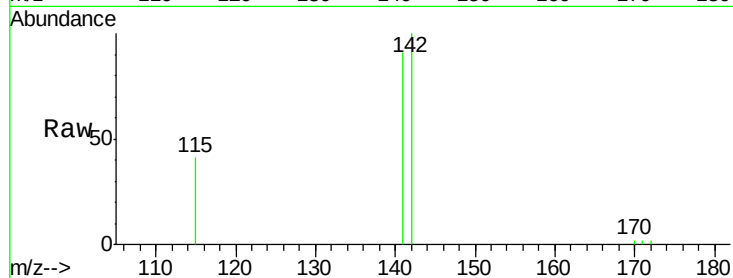
ClientSampleId :

SSTDICC0.1

Tgt Ion:	142	Resp:	7784
Ion Ratio	Lower	Upper	
142	100		
141	91.0	72.8	109.2
115	41.1	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

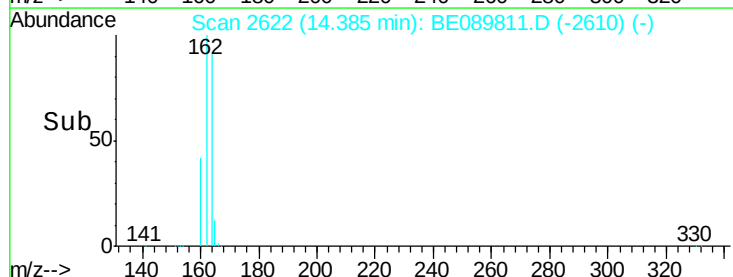
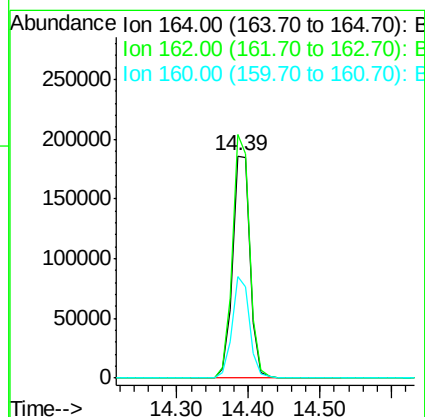
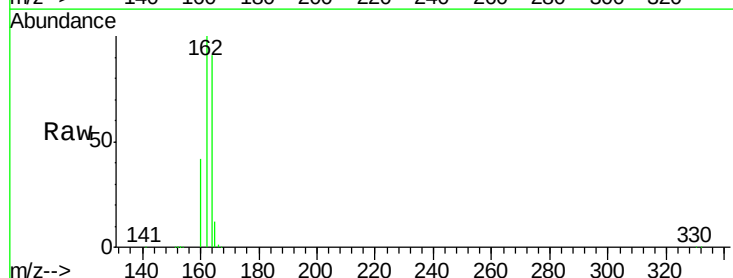
RT: 14.39 min Scan# 2622

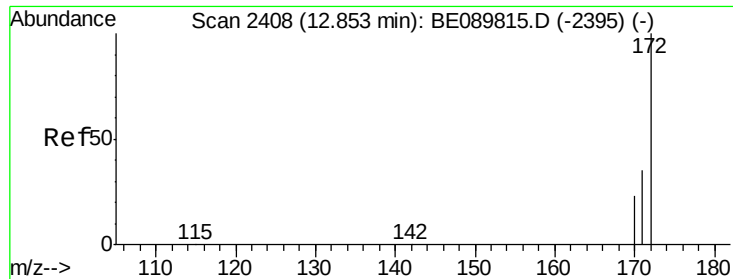
Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Tgt Ion:	164	Resp:	322982
Ion Ratio	Lower	Upper	
164	100		
162	109.5	87.6	131.4
160	45.9	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 0.12 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

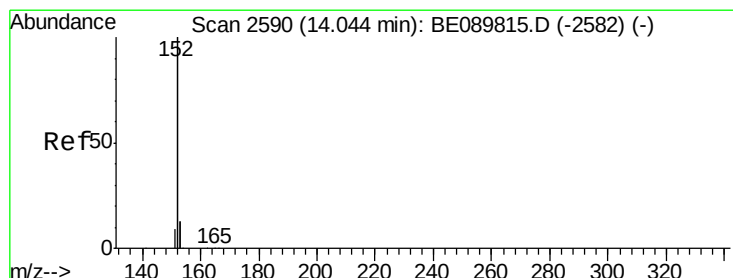
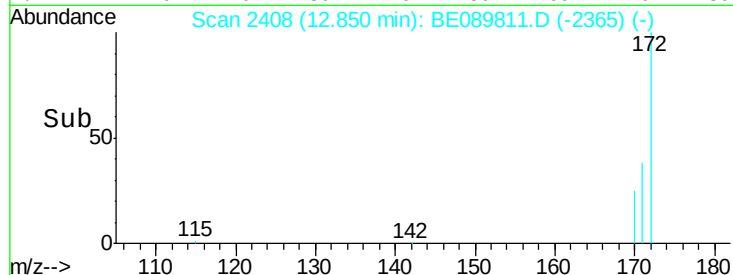
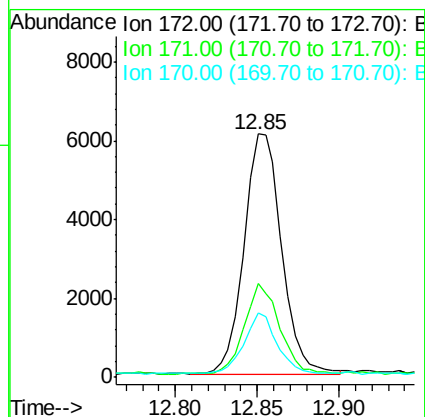
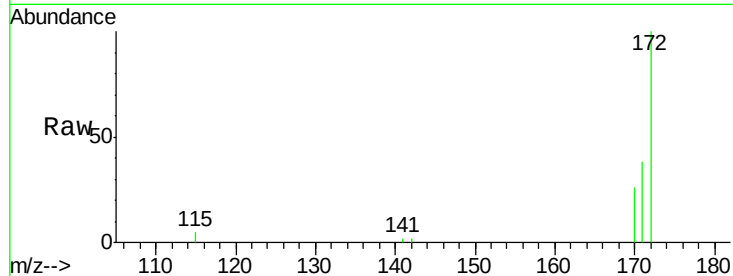
ClientSampleId :

SSTDIC0.1

Tgt Ion:	172	Resp:	9762
Ion Ratio	Lower	Upper	
172	100		
171	38.5	30.8	46.2
170	26.2	21.0	31.4

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#10

Acenaphthylene

Concen: 0.11 ng

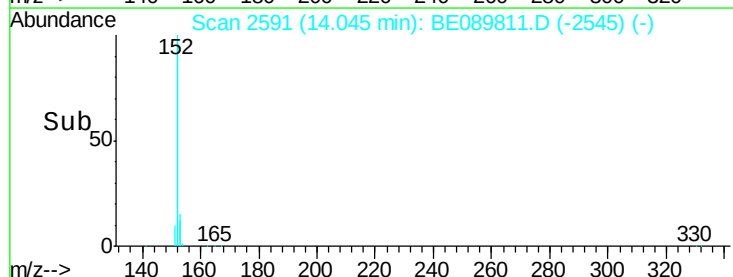
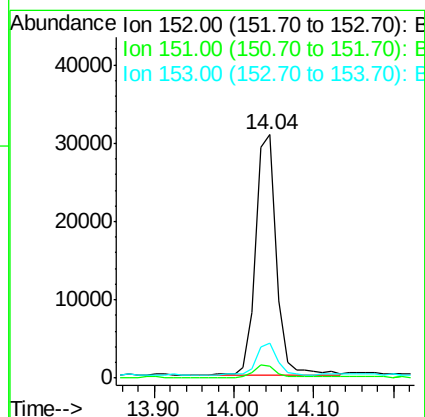
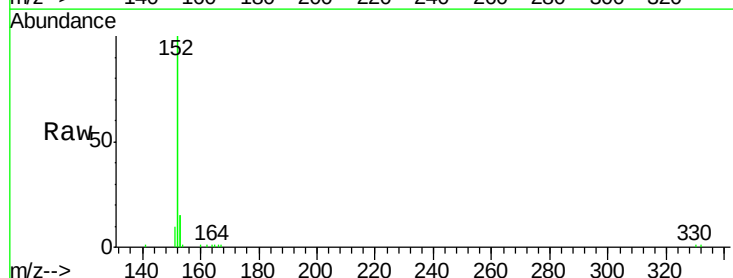
RT: 14.04 min Scan# 2591

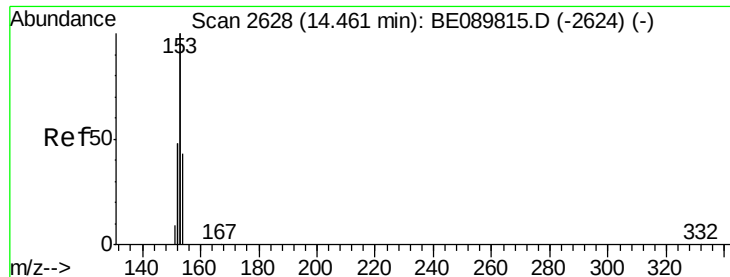
Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Tgt Ion:	152	Resp:	54491
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.9	5.9
153	13.7	11.0	16.4





#11

Acenaphthene

Concen: 0.11 ng

RT: 14.46 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

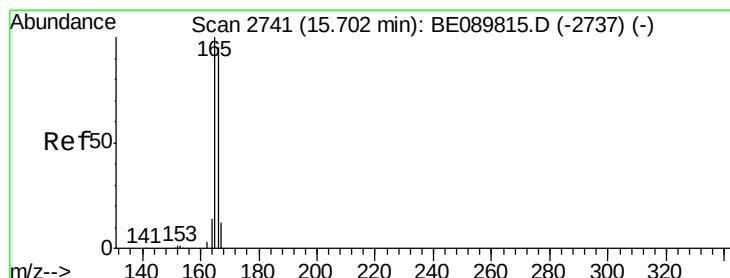
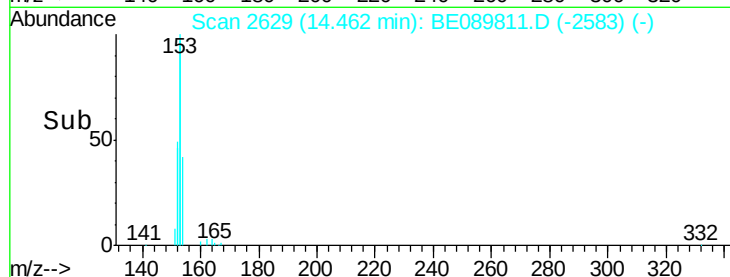
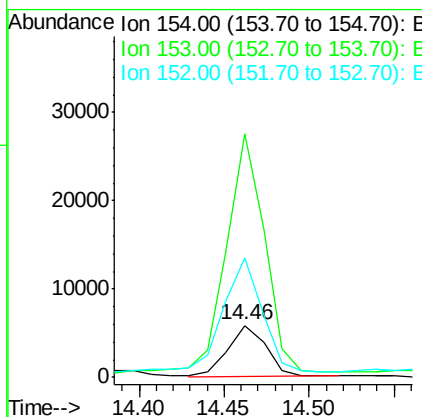
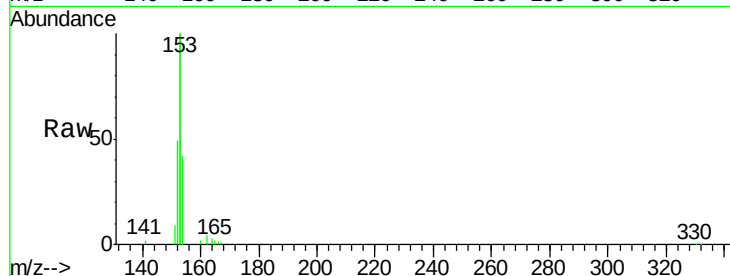
ClientSampleId :

SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
154	100		
153	501.9	401.5	602.3
152	248.3	198.6	298.0

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#12

Fluorene

Concen: 0.12 ng

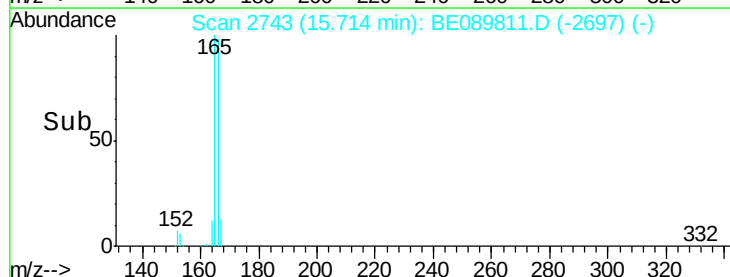
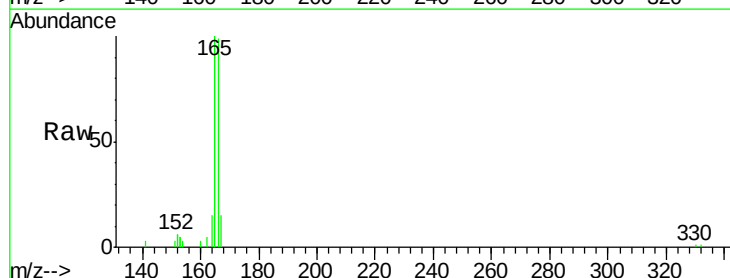
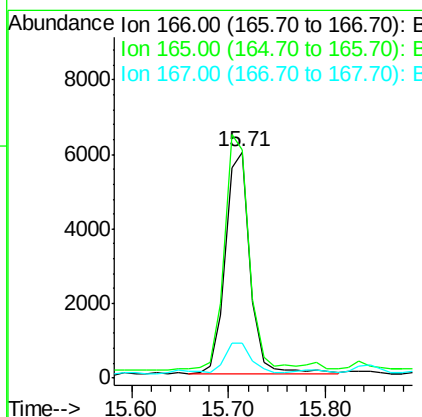
RT: 15.71 min Scan# 2743

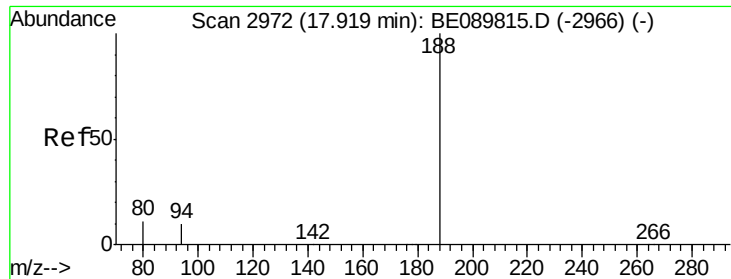
Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.4	85.1	127.7
167	15.3	12.2	18.4





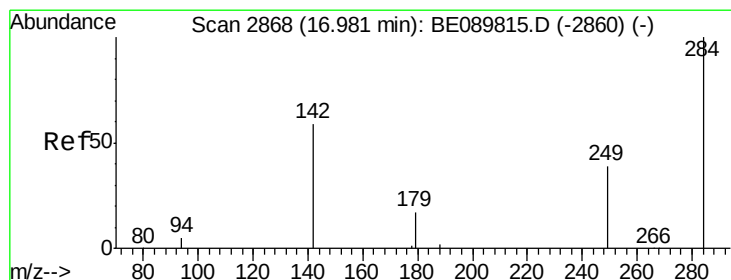
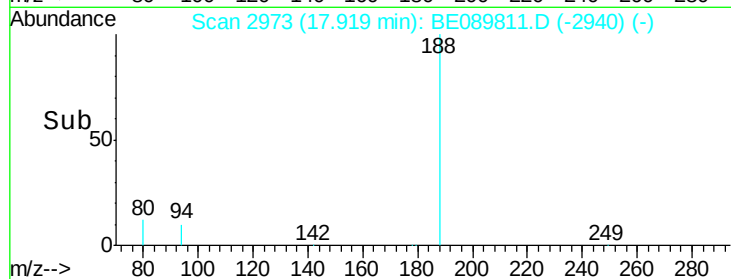
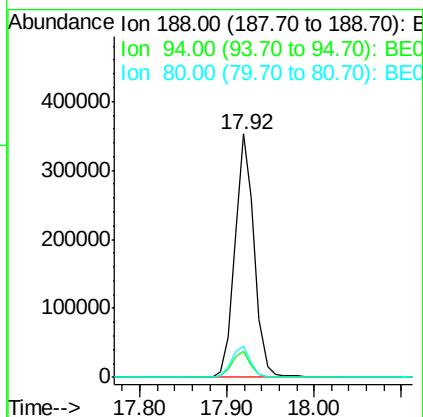
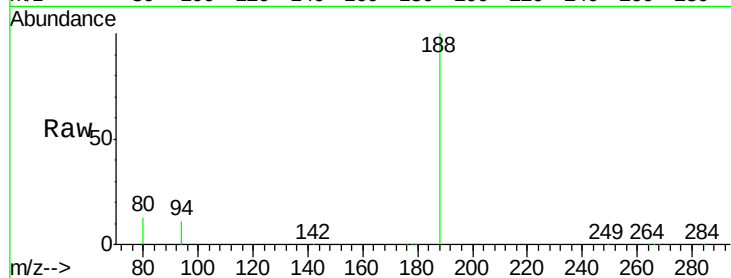
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Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion:	188	Resp:	542860
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.5	12.7
80	12.5	10.0	15.0

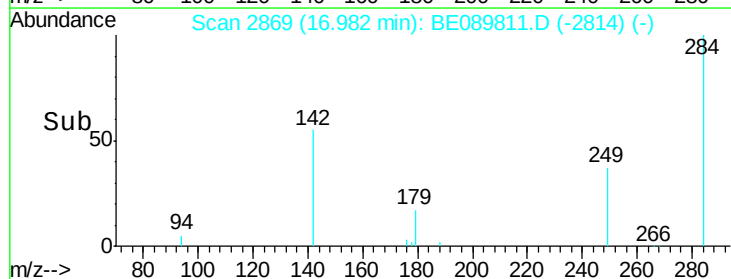
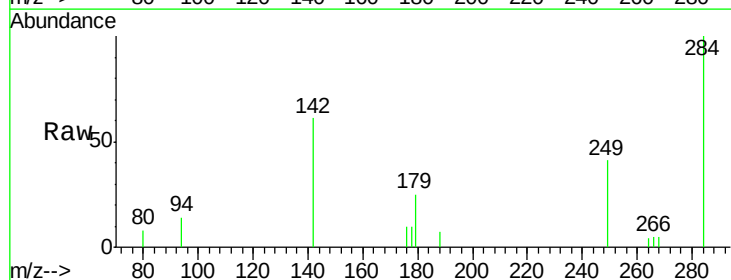
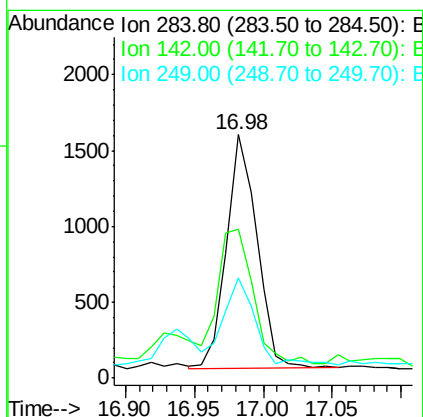
Manual Integrations
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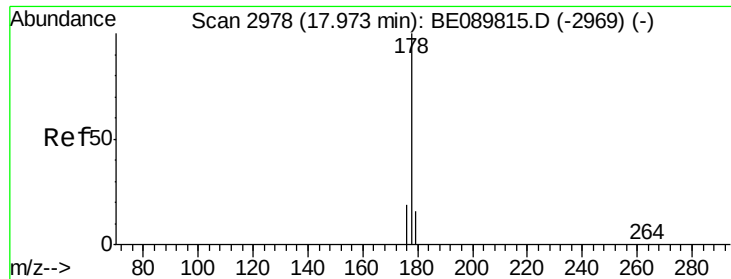
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#14
Hexachlorobenzene
Concen: 0.14 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion:	284	Resp:	2328
Ion Ratio	Lower	Upper	
284	100		
142	66.6	53.3	79.9
249	38.9	31.1	46.7





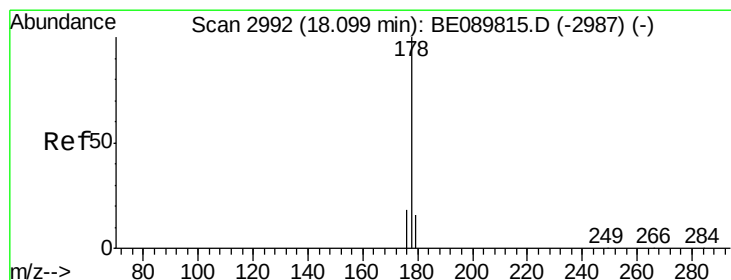
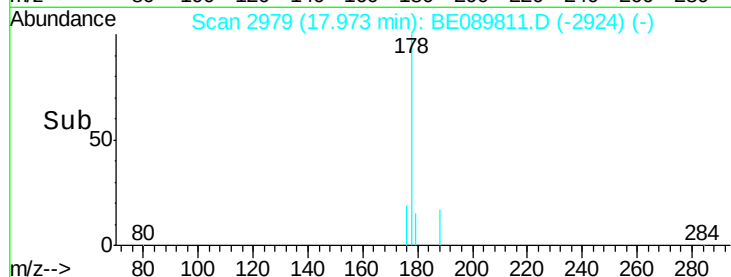
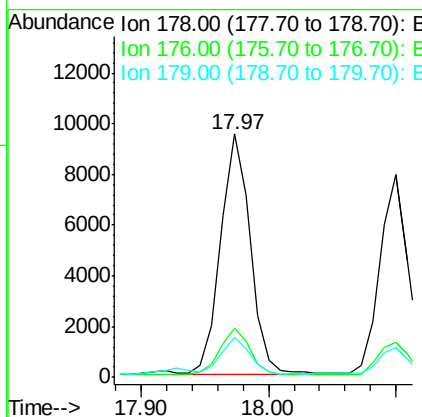
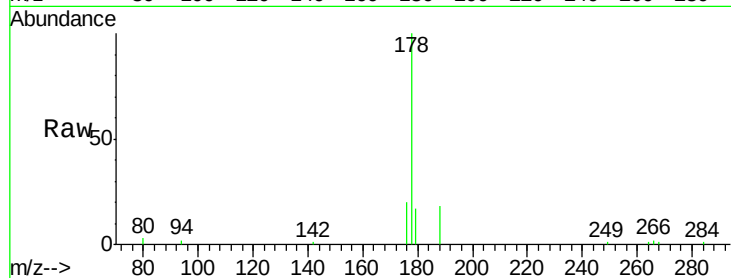
#16
Phenanthrene
Concen: 0.12 ng
RT: 17.97 min Scan# 2979
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.2	18.4

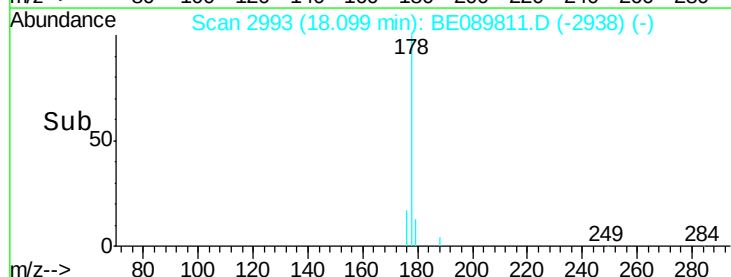
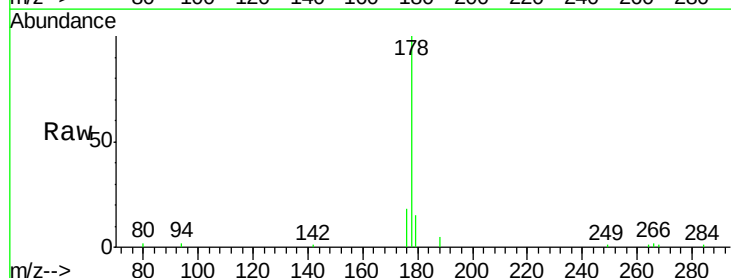
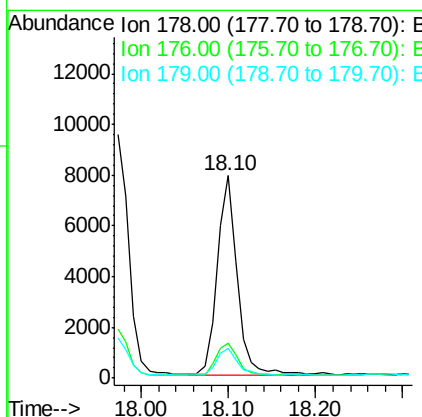
Manual Integrations
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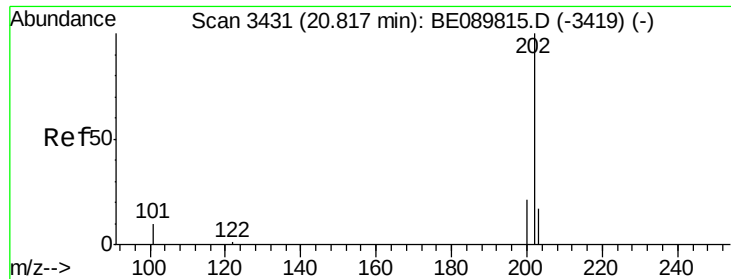
mohammad
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#17
Anthracene
Concen: 0.11 ng
RT: 18.10 min Scan# 2993
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.1	12.1	18.1





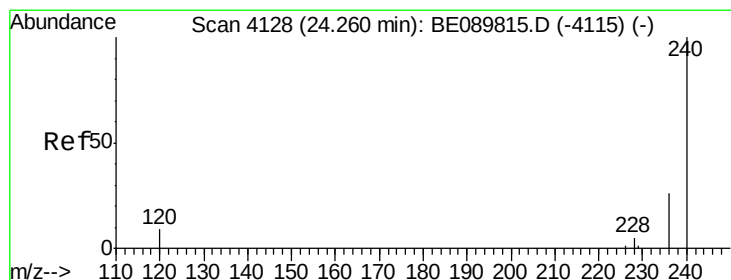
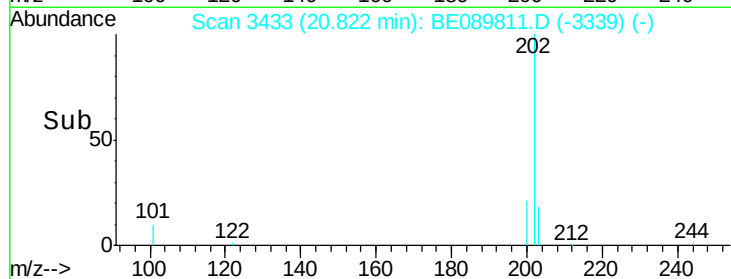
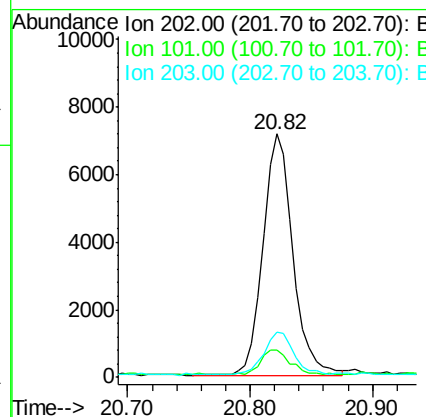
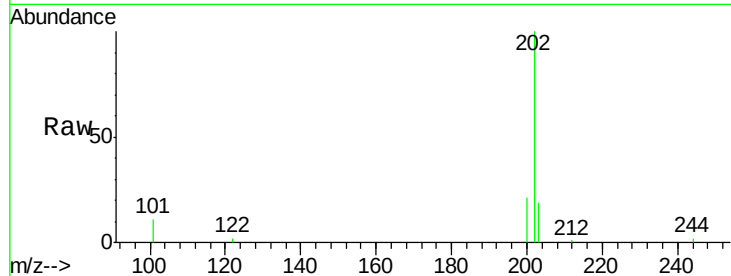
#18
 Fluoranthene
 Concen: 0.12 ng
 RT: 20.82 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion:	202	Resp:	12244
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.2	12.2
203	17.8	14.2	21.4

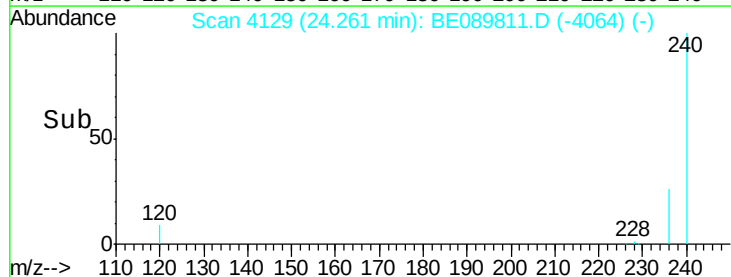
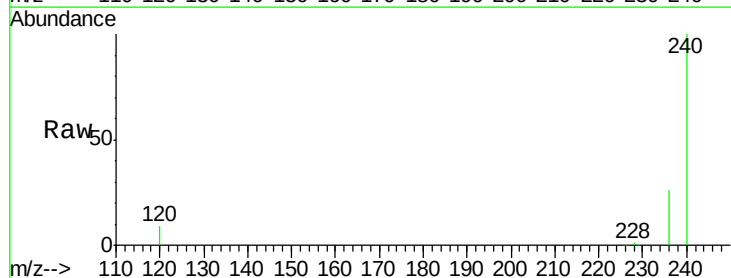
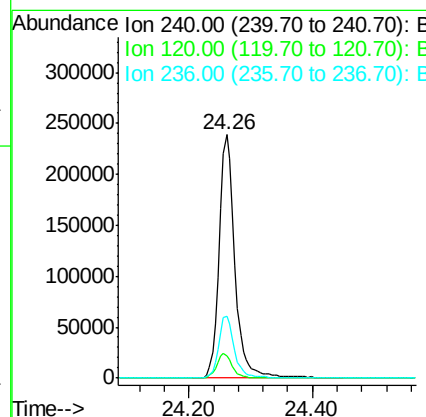
Manual Integrations
 APPROVED

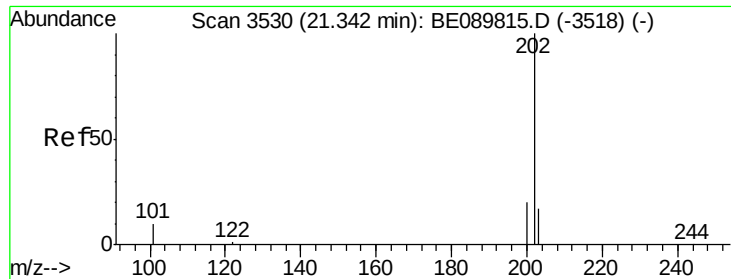
mohammad
 3/25/2015 5:43:45 PM



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 24.26 min Scan# 4129
 Delta R.T. 0.00 min
 Lab File: BE089811.D
 Acq: 24 Mar 2015 12:08

Tgt Ion:	240	Resp:	422986
Ion Ratio	Lower	Upper	
240	100		
120	9.4	7.5	11.3
236	25.6	20.5	30.7





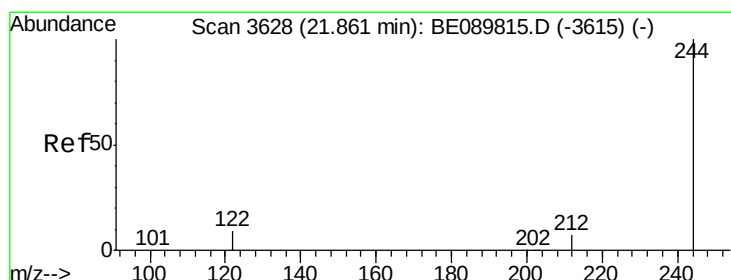
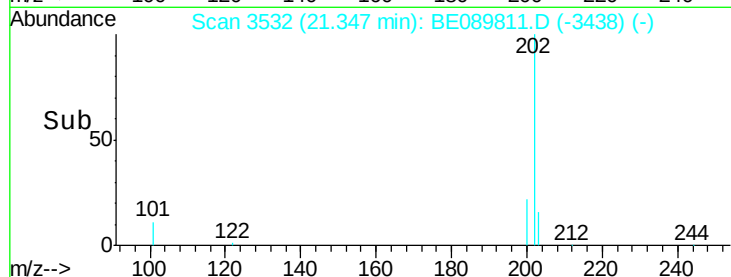
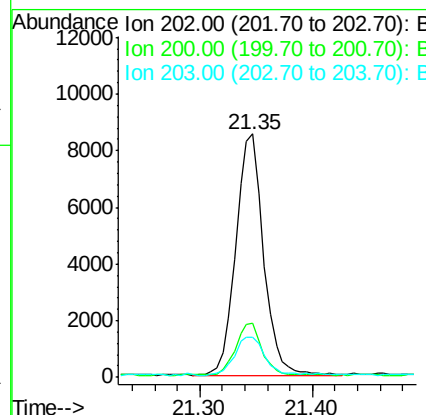
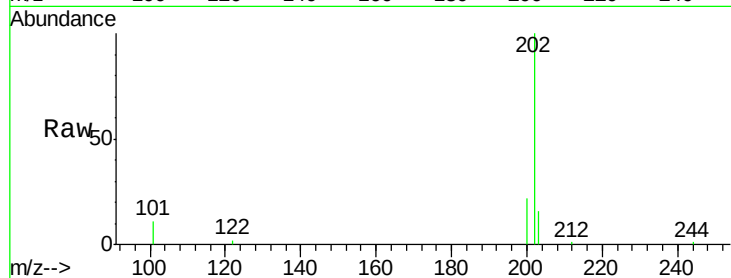
#20
Pyrene
Concen: 0.10 ng
RT: 21.35 min Scan# 3532
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.9	23.9
203	17.0	13.6	20.4

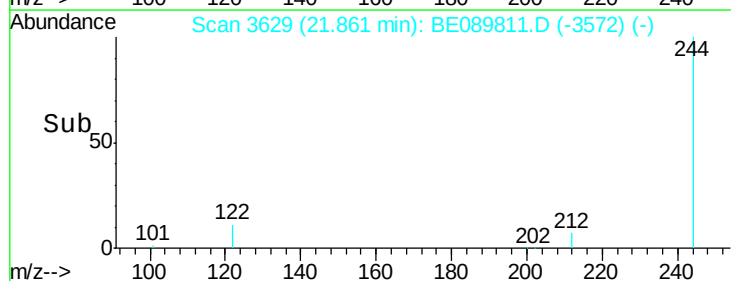
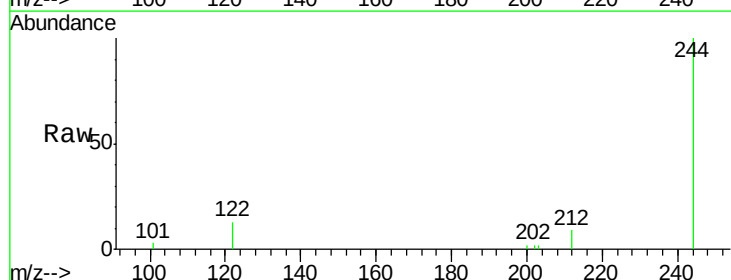
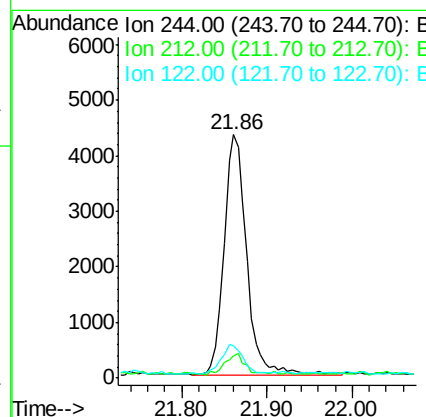
Manual Integrations
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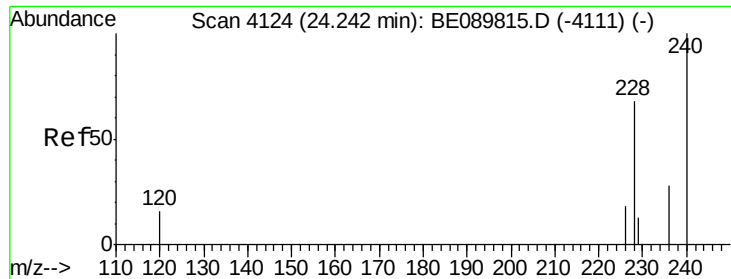
mohammad
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#21
Terphenyl-d14
Concen: 0.13 ng
RT: 21.86 min Scan# 3629
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.3	10.9
122	13.1	10.5	15.7





#22

Benzo(a)anthracene

Concen: 0.04 ng

RT: 24.25 min Scan# 4126

Delta R.T. 0.00 min

Lab File: BE089811.D

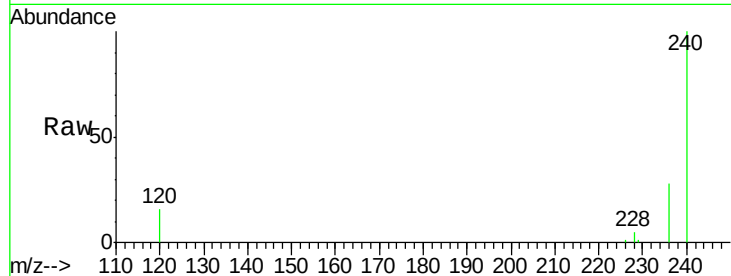
Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

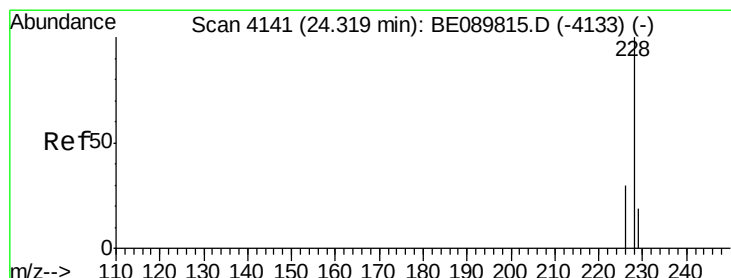
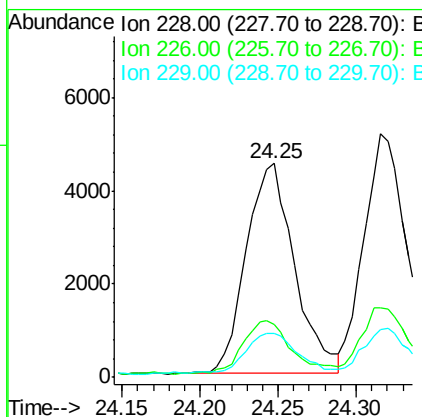
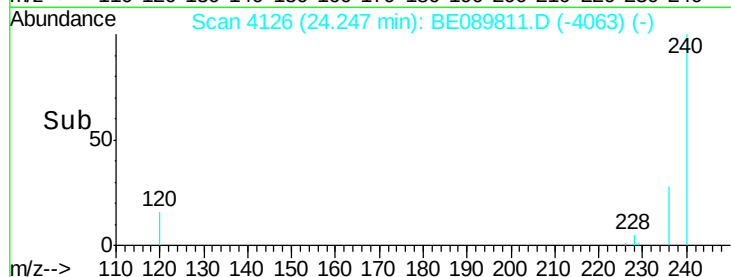
SSTDIC0.1



Tgt Ion:	228	Resp:	9778
Ion Ratio	Lower	Upper	
228	100		
226	24.8	19.8	29.8
229	20.4	16.3	24.5

Manual Integrations
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#23

Chrysene

Concen: 0.03 ng

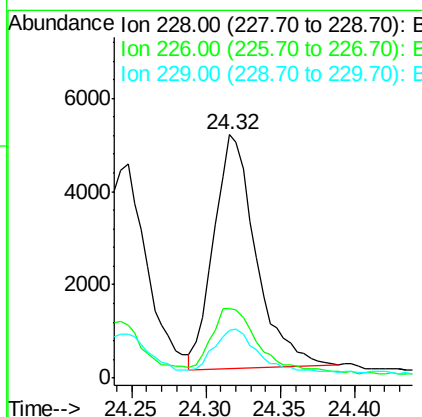
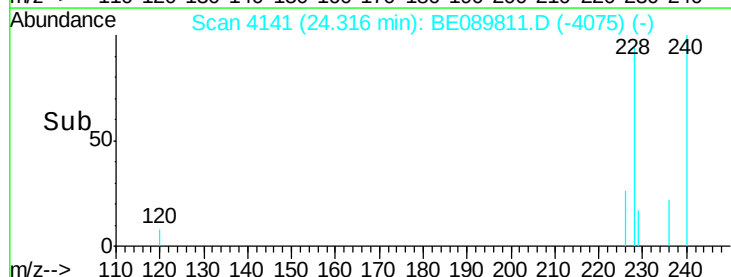
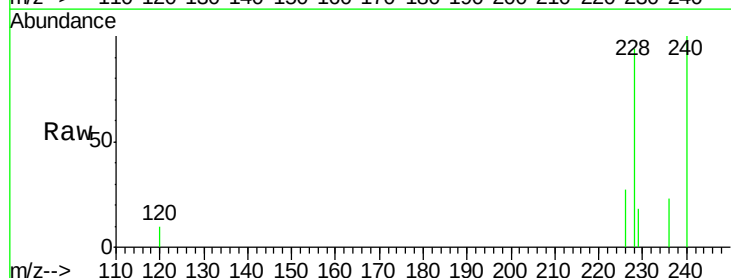
RT: 24.32 min Scan# 4141

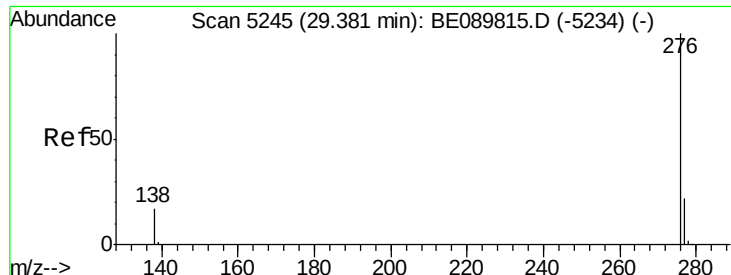
Delta R.T. 0.00 min

Lab File: BE089811.D

Acq: 24 Mar 2015 12:08

Tgt Ion:	228	Resp:	9874
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.0	34.4
229	19.7	15.8	23.6





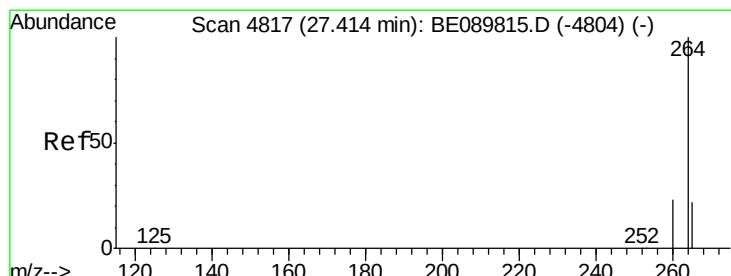
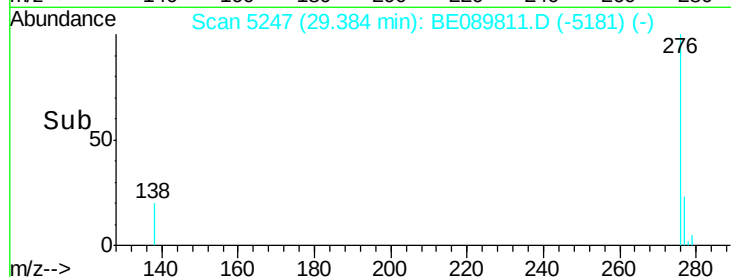
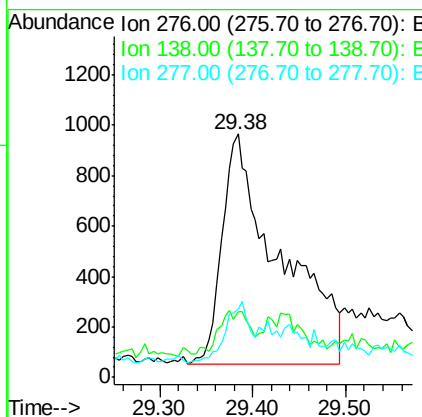
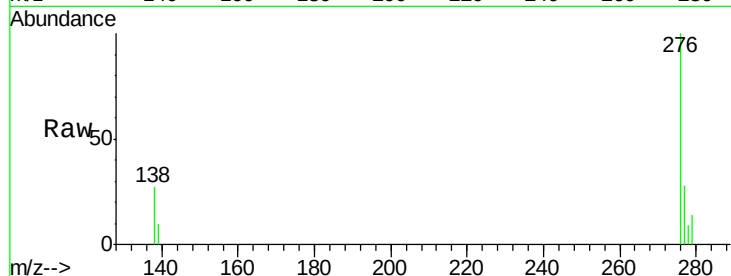
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng m
RT: 29.38 min Scan# 5247
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	3916		
138	5.3		4.3	6.5
277	11.2		9.0	13.4

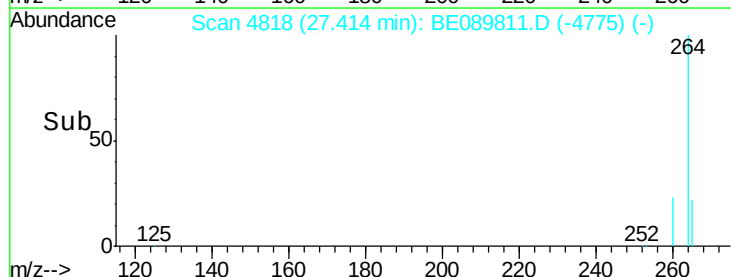
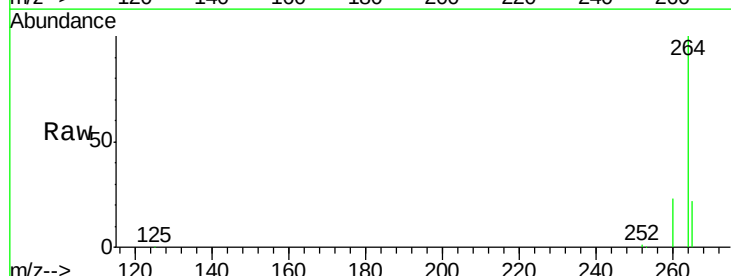
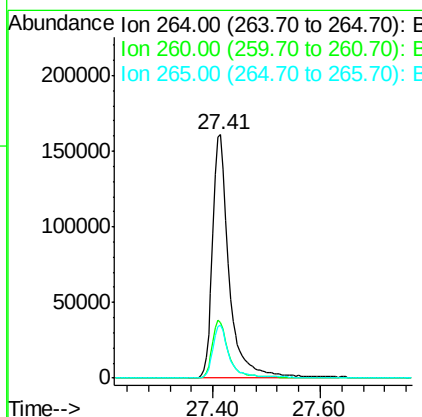
Manual Integrations
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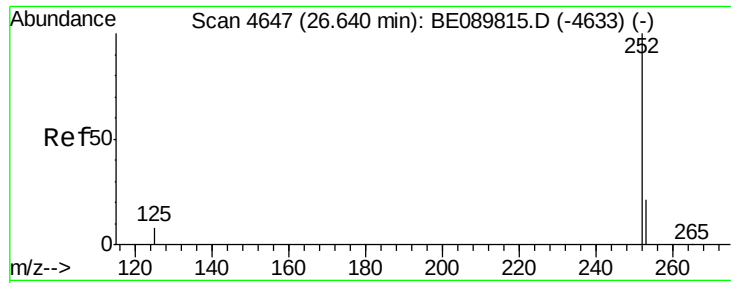
mohammad
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#25
Perylene-d12
Concen: 5.00 ng
RT: 27.41 min Scan# 4818
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	344095		
260	22.7		18.2	27.2
265	21.6		17.3	25.9





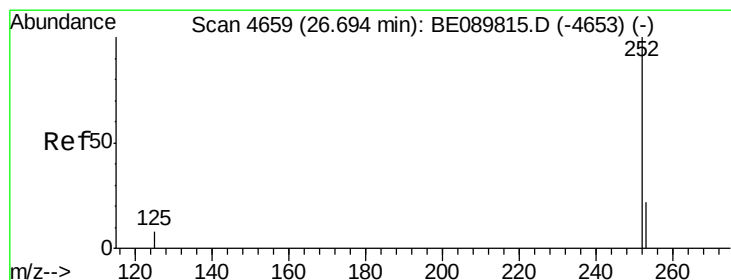
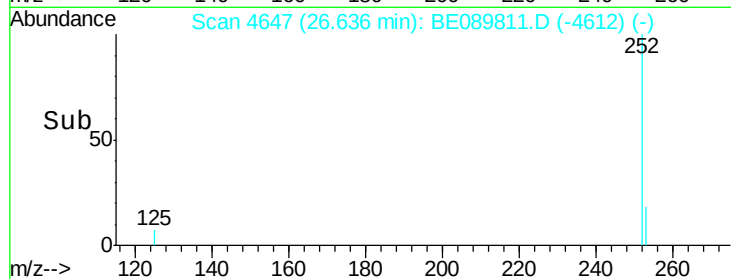
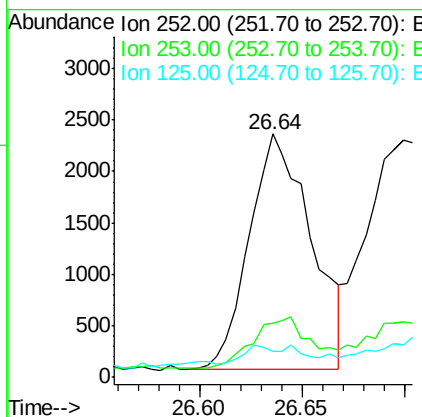
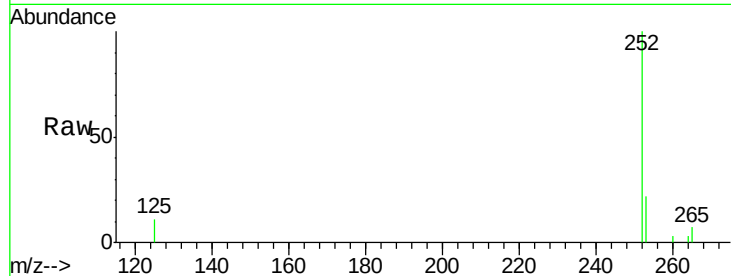
#26
Benzo(b)fluoranthene
Concen: 0.17 ng
RT: 26.64 min Scan# 4647
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.9	8.7	13.1

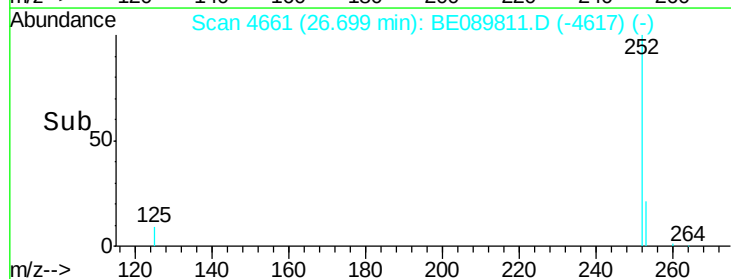
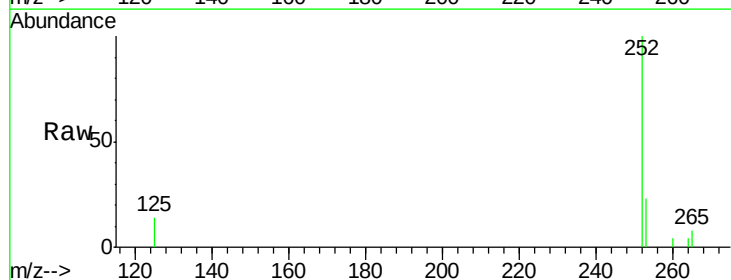
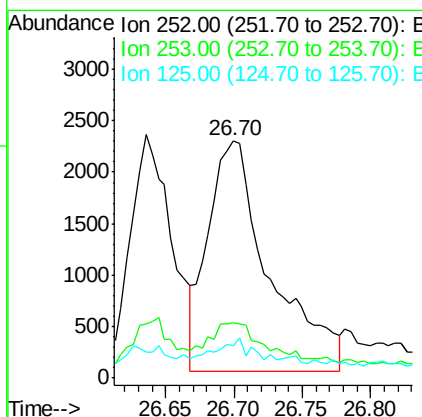
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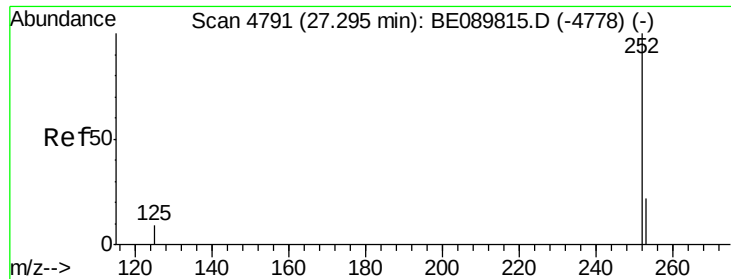
mohammad
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#27
Benzo(k)fluoranthene
Concen: 0.10 ng m
RT: 26.70 min Scan# 4661
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	13.5	10.8	16.2





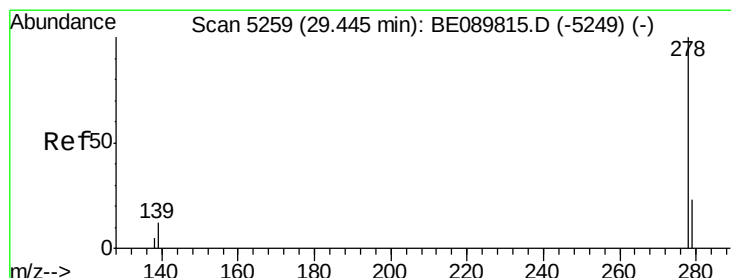
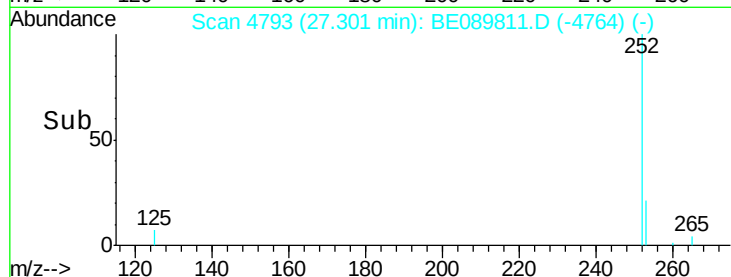
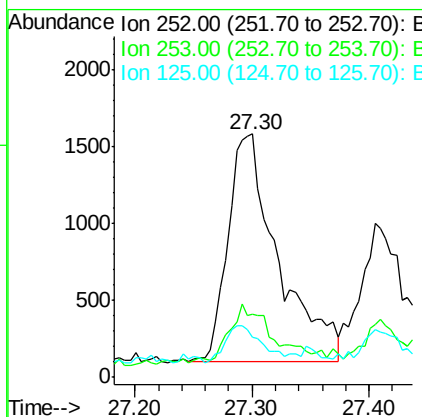
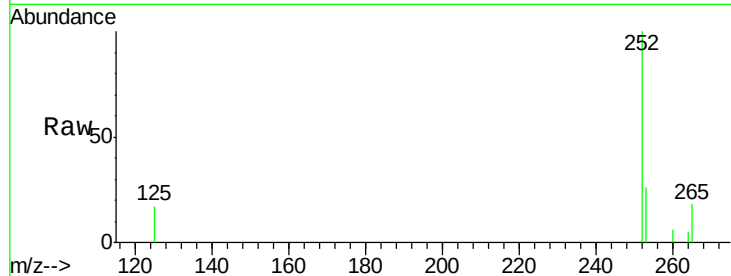
#28
Benzo(a)pyrene
Concen: 0.13 ng
RT: 27.30 min Scan# 4793
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	21.0	31.4
125	16.6	13.3	19.9

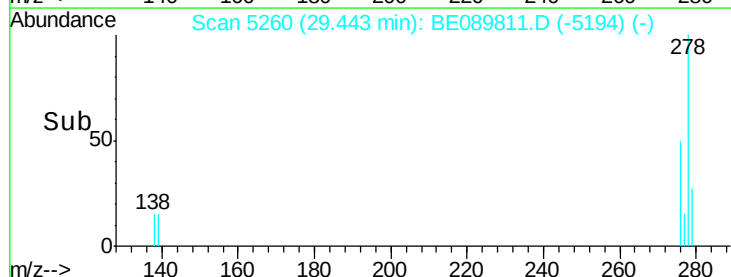
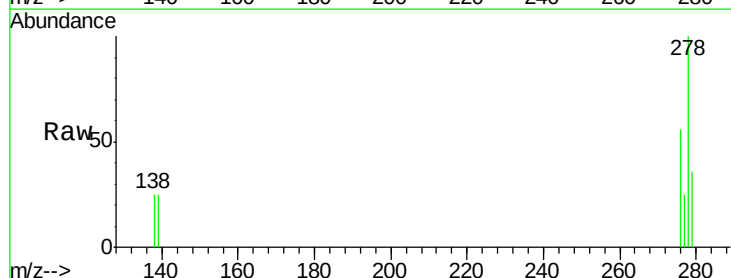
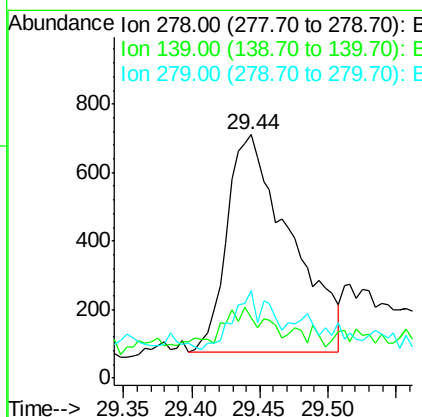
Manual Integrations
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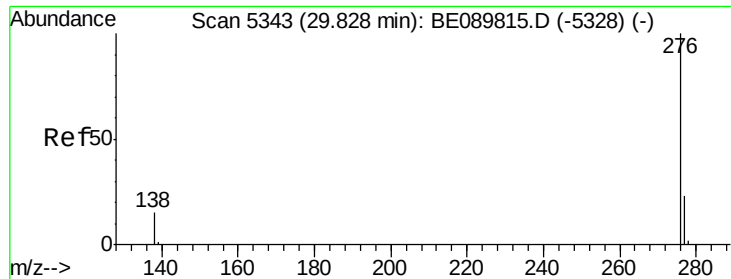
mohammad
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#29
Dibenzo(a,h)anthracene
Concen: 0.12 ng
RT: 29.44 min Scan# 5260
Delta R.T. 0.00 min
Lab File: BE089811.D
Acq: 24 Mar 2015 12:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	20.0	30.0
279	36.1	28.9	43.3





#30

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 29.82 min Scan# 5343

Delta R.T. 0.00 min

Lab File: BE089811.D

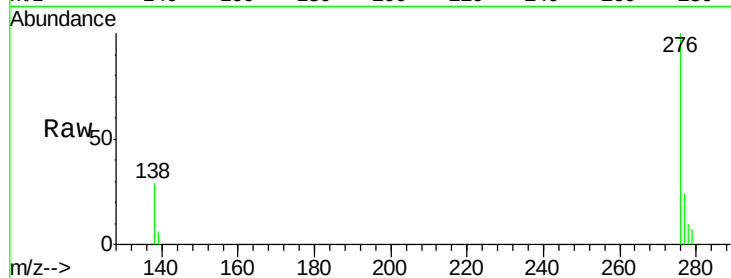
Acq: 24 Mar 2015 12:08

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1



Tgt Ion: 276 Resp: 4293

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 28.6 22.9 34.3

Manual Integrations

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