

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089812.D
 Acq On : 24 Mar 2015 12:47
 Operator : TP/JJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

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

Quant Time: Mar 24 17:48:53 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	164279	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	656502	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	318120	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	538748	5.00	ng	0.00
19) Chrysene-d12	24.26	240	406430	5.00	ng	0.00
25) Perylene-d12	27.41	264	335643	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	6281	0.17	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	13274	0.16	ng	0.00
21) Terphenyl-d14	21.86	244	11810	0.21	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.51	88	4721	0.22	ng	96
3) n-Nitrosodimethylamine	2.97	42	5679	0.30	ng	93
6) Naphthalene	10.31	128	26508	0.19	ng	98
7) 2-Methylnaphthalene	11.94	142	12436	0.16	ng	96
10) Acenaphthylene	14.04	152	86114	0.17	ng	97
11) Acenaphthene	14.46	154	13999	0.18	ng	87
12) Fluorene	15.71	166	16474	0.19	ng	95
14) Hexachlorobenzene	16.98	284	3787	0.22	ng	99
16) Phenanthrene	17.97	178	24484	0.19	ng	98
17) Anthracene	18.10	178	19771	0.18	ng	99
18) Fluoranthene	20.82	202	19127	0.19	ng	99
20) Pyrene	21.34	202	20990	0.15	ng	99
22) Benzo(a)anthracene	24.24	228	14292	0.07	ng	99
23) Chrysene	24.32	228	16791	0.05	ng	98
24) Indeno(1,2,3-cd)pyrene	29.38	276	5743m	0.08	ng	
26) Benzo(b)fluoranthene	26.64	252	7588	0.27	ng	95
27) Benzo(k)fluoranthene	26.70	252	11165m	0.16	ng	
28) Benzo(a)pyrene	27.29	252	6869	0.21	ng	96
29) Dibenzo(a,h)anthracene	29.44	278	2884	0.17	ng	93
30) Benzo(g,h,i)perylene	29.83	276	7761	0.06	ng	# 92

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

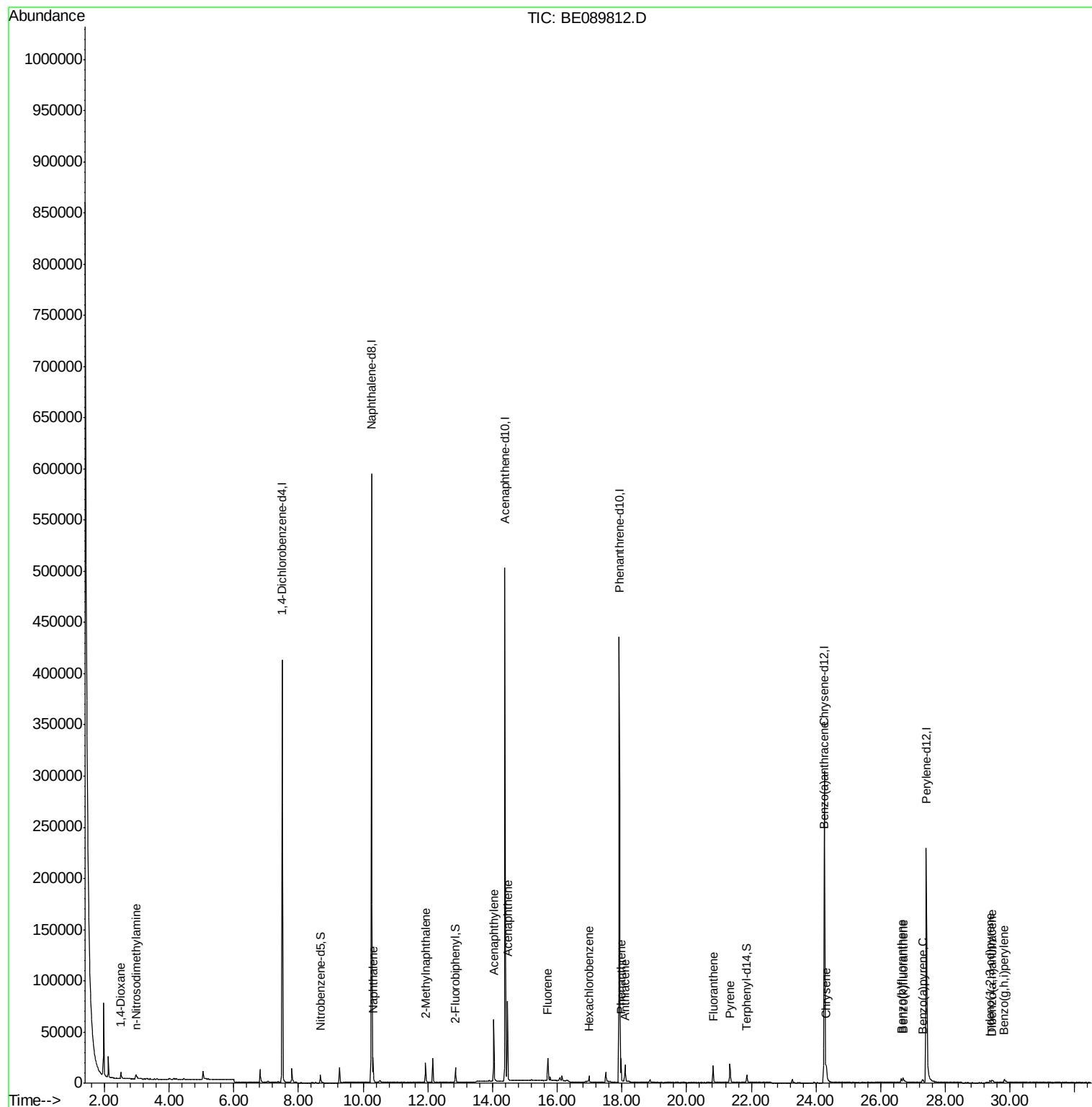
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
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ALS Vial : 3 Sample Multiplier: 1

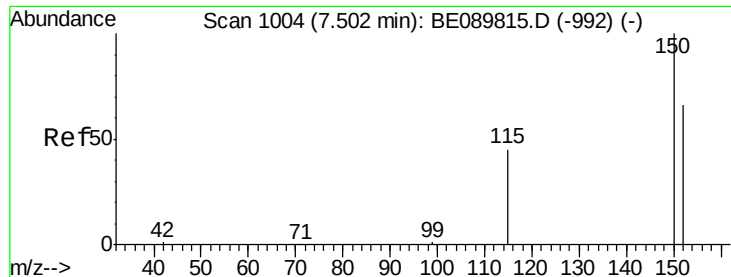
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089812.D

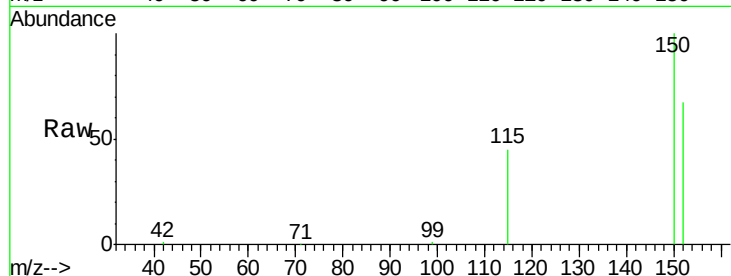
Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.2



Tgt Ion: 152 Resp: 164279

Ion Ratio Lower Upper

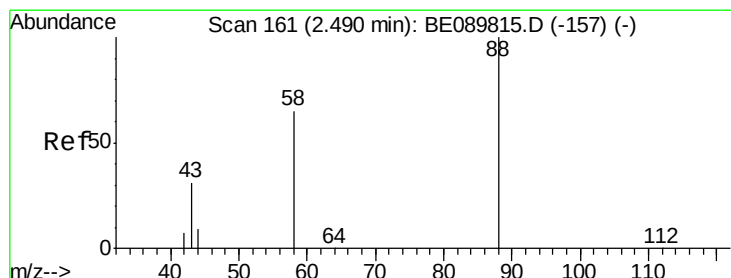
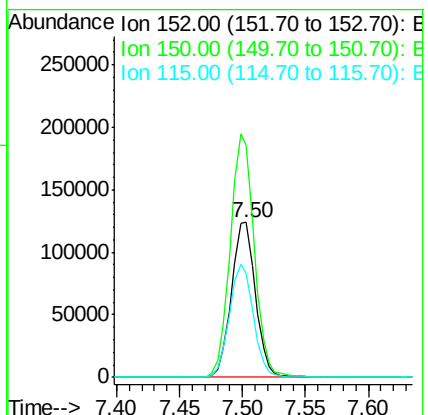
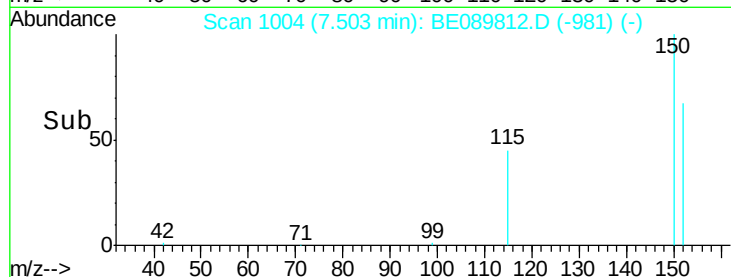
152 100

150 149.5 125.5 188.3

115 66.7 58.0 87.0

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#2

1,4-Dioxane

Concen: 0.22 ng

RT: 2.51 min Scan# 164

Delta R.T. -0.01 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

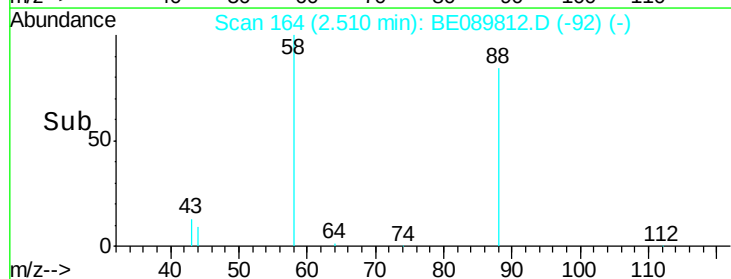
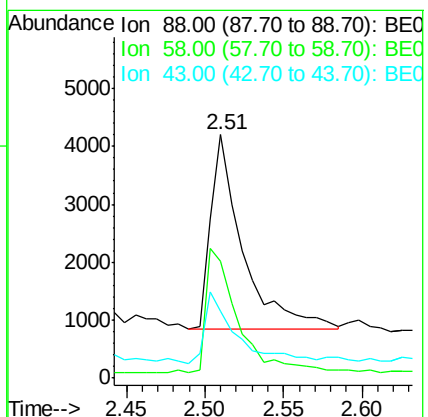
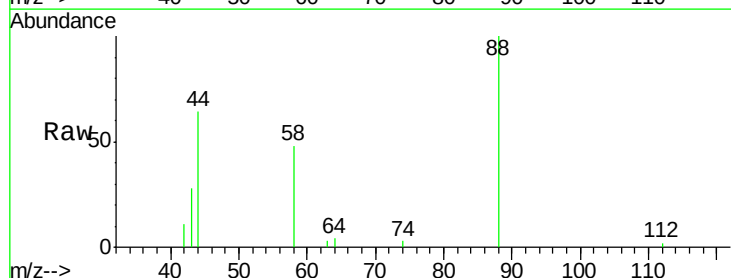
Tgt Ion: 88 Resp: 4721

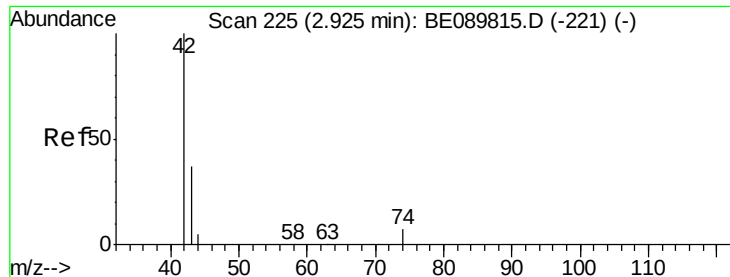
Ion Ratio Lower Upper

88 100

58 64.4 48.6 72.8

43 37.0 28.6 43.0





#3

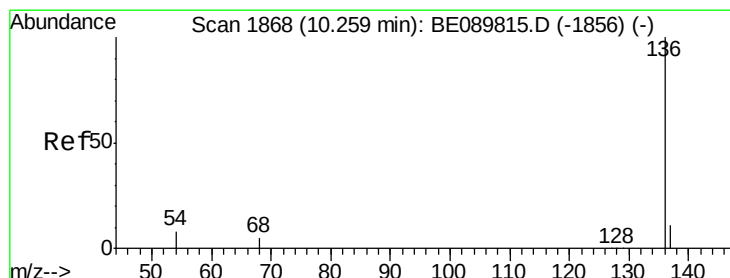
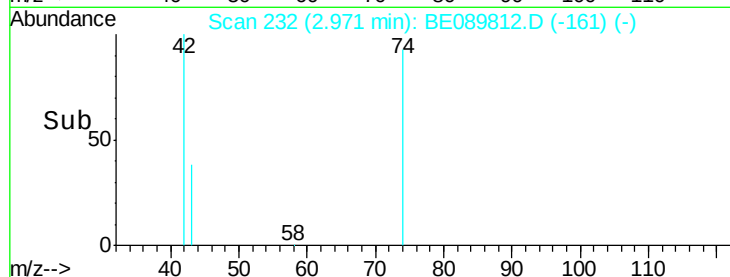
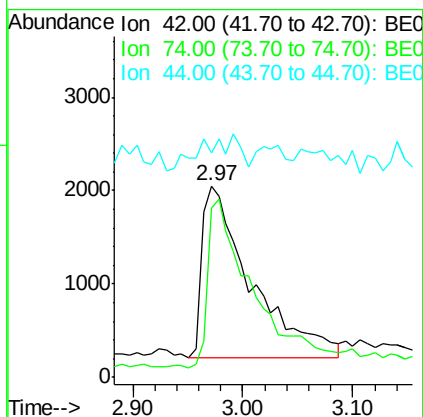
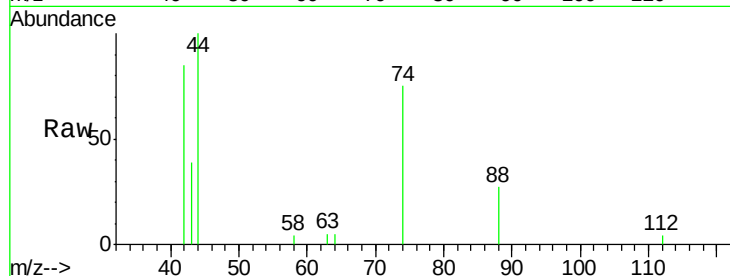
n-Nitrosodimethylamine
Concen: 0.30 ng
RT: 2.97 min Scan# 232
Delta R.T. -0.02 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
42	100		
74	92.4	68.7	103.1
44	6.3	6.2	9.4

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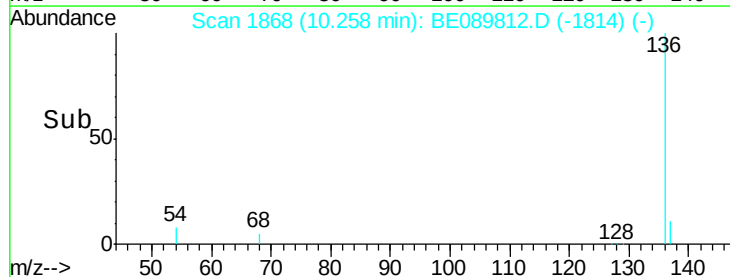
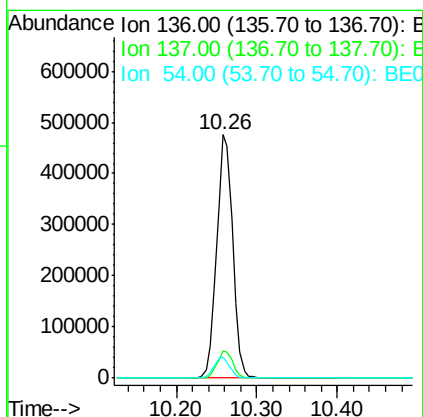
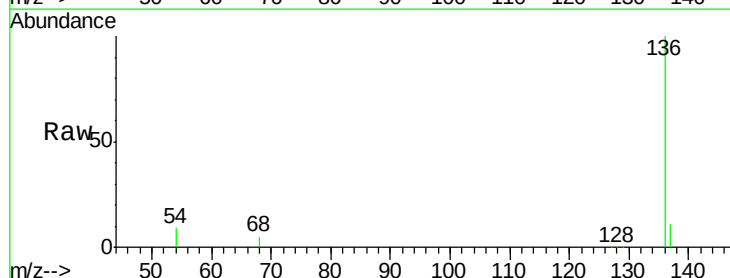
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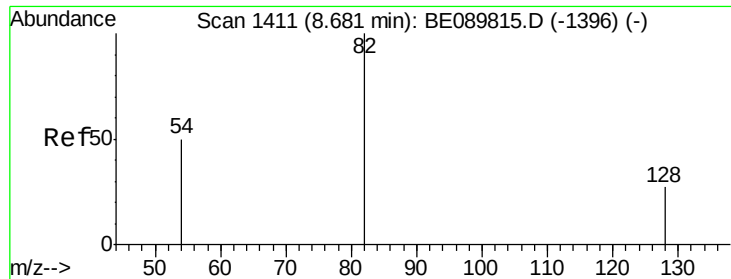


#4

Naphthalene-d8
Concen: 5.00 ng
RT: 10.26 min Scan# 1868
Delta R.T. -0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.5	7.0	10.4





#5

Nitrobenzene-d5

Concen: 0.17 ng

RT: 8.68 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BE089812.D

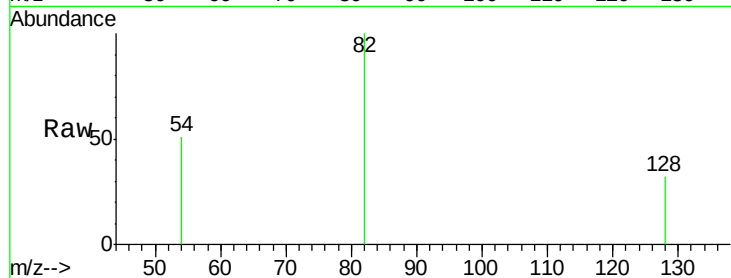
Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

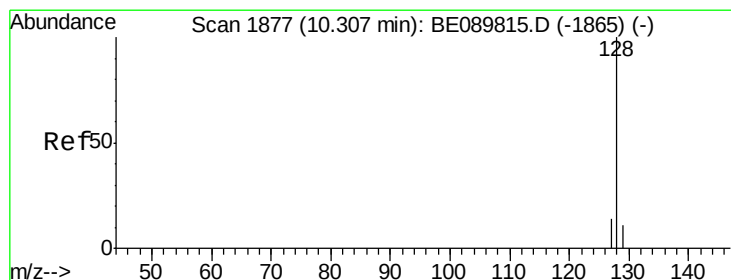
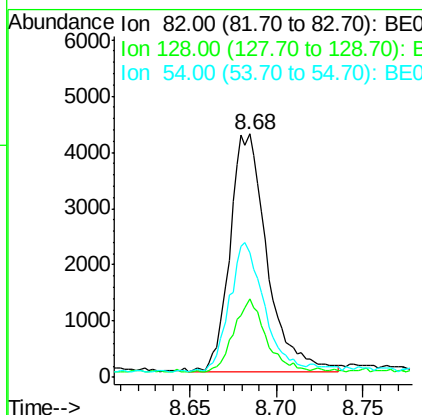
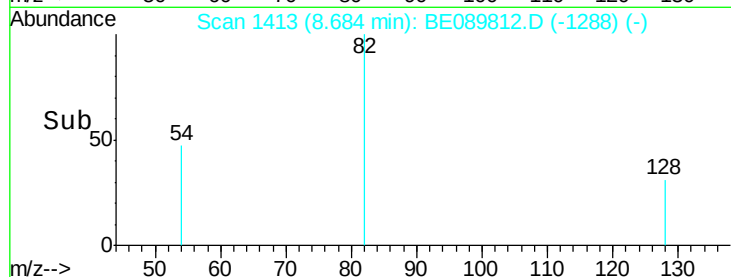
SSTDICC0.2



Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.2	24.6	37.0
54	51.0	43.0	64.6

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#6

Naphthalene

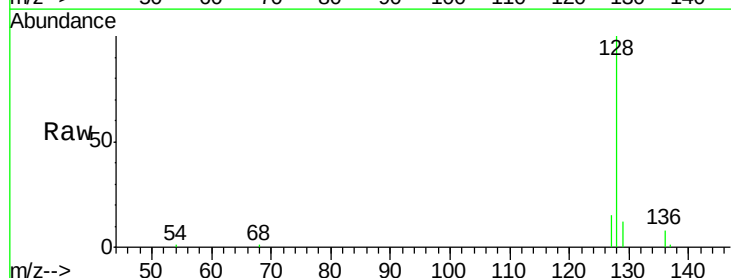
Concen: 0.19 ng

RT: 10.31 min Scan# 1877

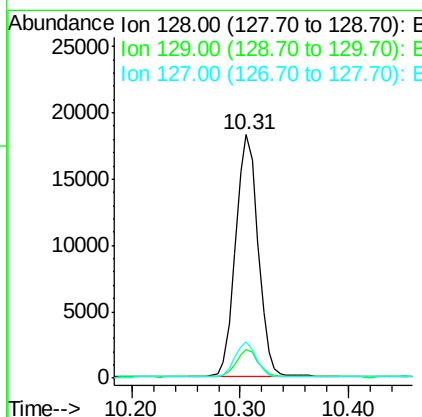
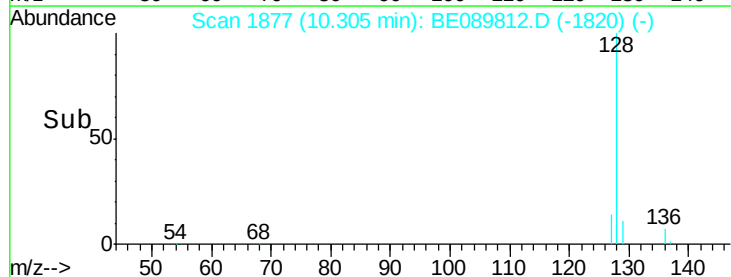
Delta R.T. -0.00 min

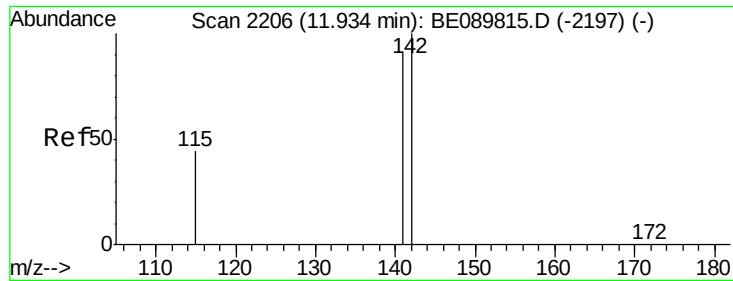
Lab File: BE089812.D

Acq: 24 Mar 2015 12:47



Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	10.0	15.0
127	14.7	12.5	18.7





#7

2-Methylnaphthalene

Concen: 0.16 ng

RT: 11.94 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

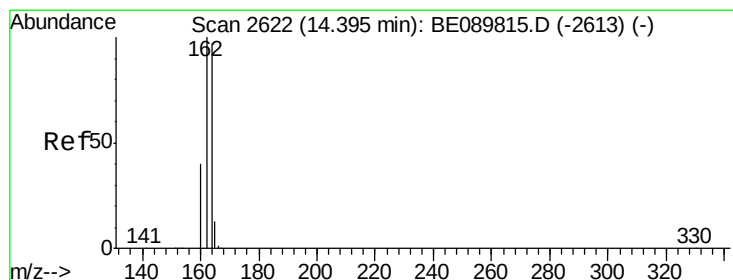
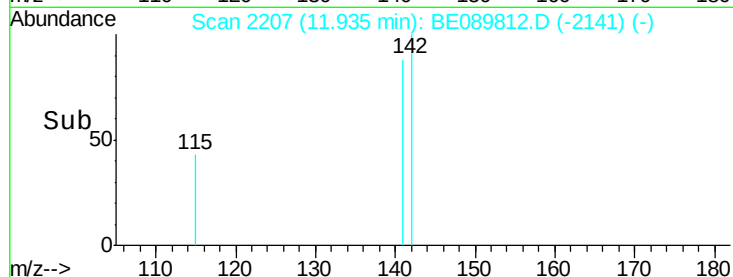
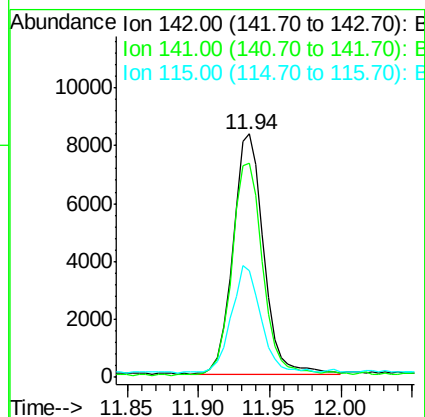
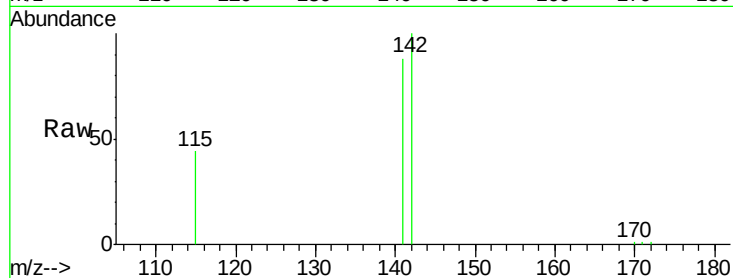
ClientSampleId :

SSTDICC0.2

Tgt Ion:	142	Resp:	12436
Ion Ratio	Lower	Upper	
142	100		
141	88.0	72.8	109.2
115	44.0	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

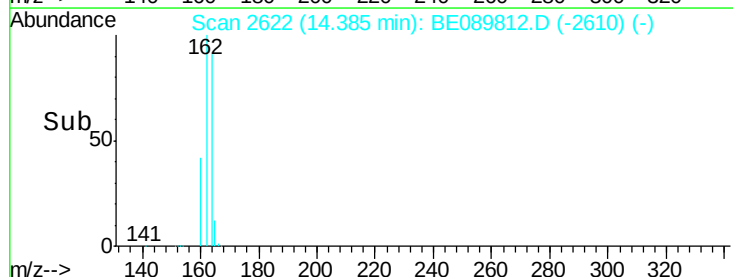
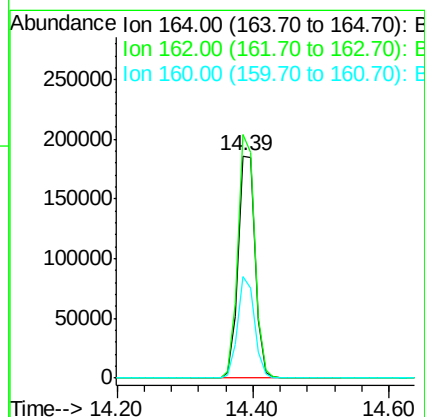
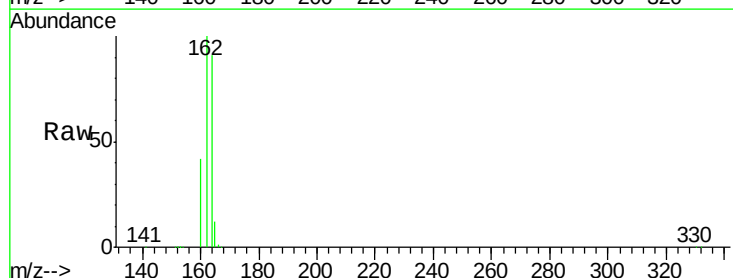
RT: 14.39 min Scan# 2622

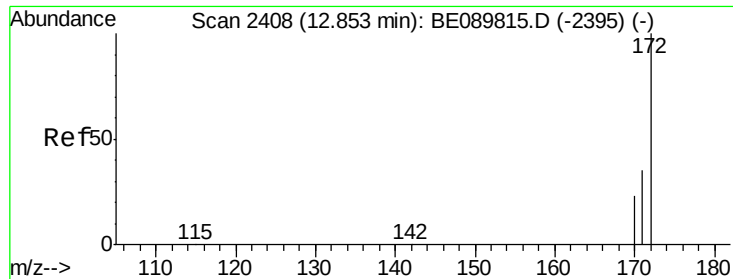
Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Tgt Ion:	164	Resp:	318120
Ion Ratio	Lower	Upper	
164	100		
162	109.7	87.6	131.4
160	46.0	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 0.16 ng

RT: 12.85 min Scan# 2409

Delta R.T. 0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

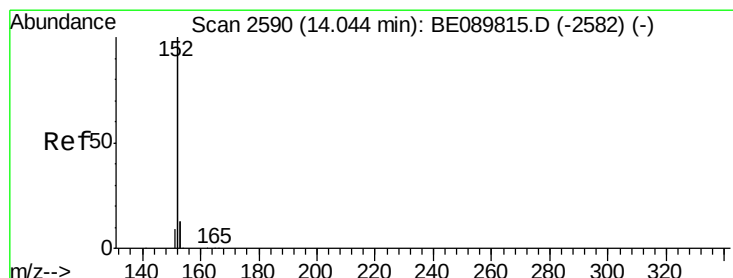
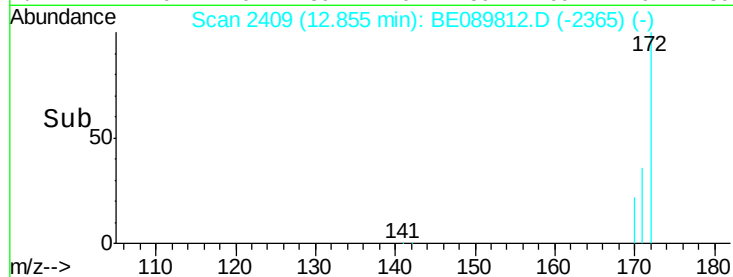
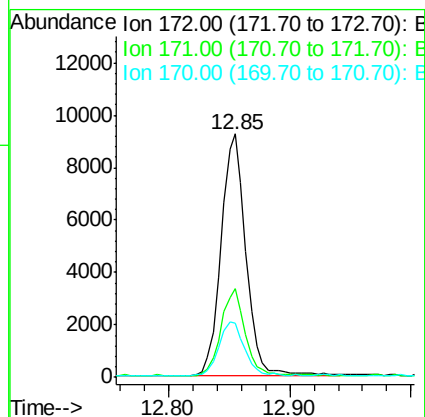
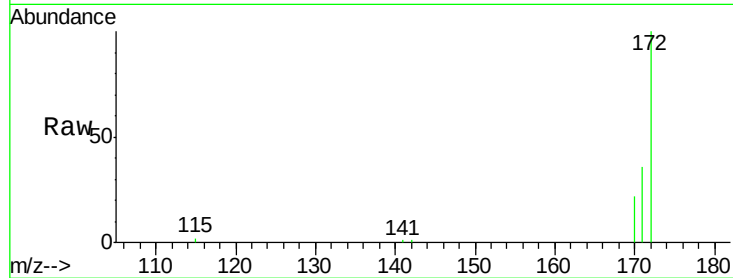
ClientSampleId :

SSTDIC0.2

Tgt Ion:	172	Resp:	13274
Ion Ratio	Lower	Upper	
172	100		
171	36.4	30.8	46.2
170	22.1	21.0	31.4

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#10

Acenaphthylene

Concen: 0.17 ng

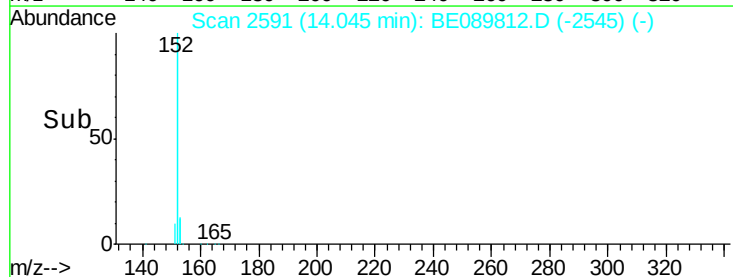
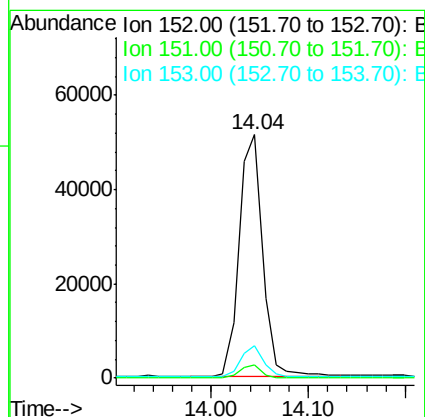
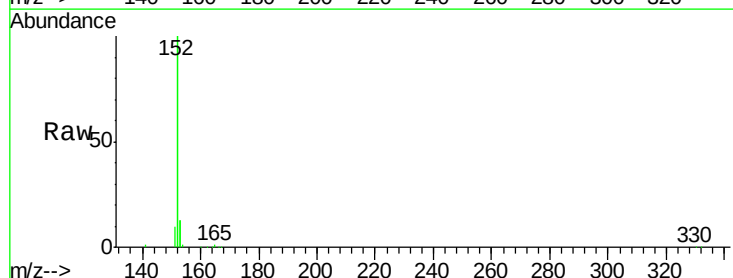
RT: 14.04 min Scan# 2591

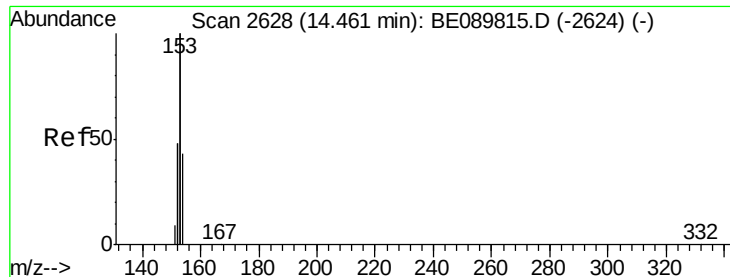
Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Tgt Ion:	152	Resp:	86114
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	12.1	11.0	16.4





#11

Acenaphthene

Concen: 0.18 ng

RT: 14.46 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

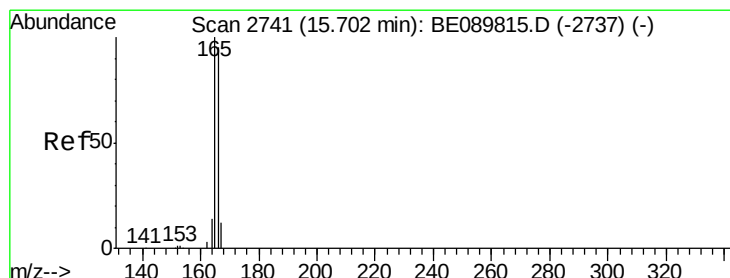
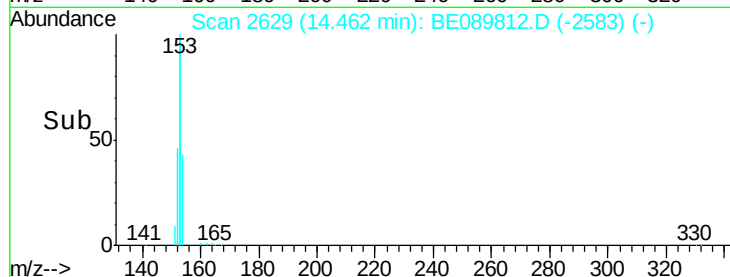
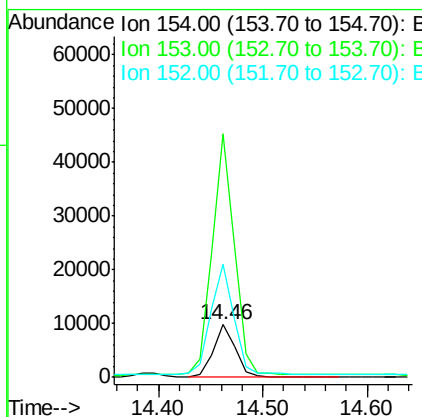
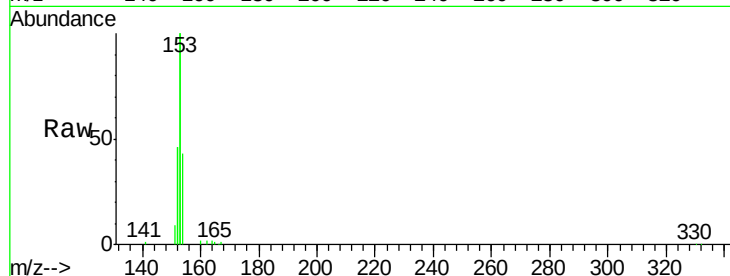
ClientSampleId :

SSTDICC0.2

Tgt Ion:	154	Resp:	13999
Ion Ratio	Lower	Upper	
154	100		
153	464.8	401.5	602.3
152	227.6	198.6	298.0

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#12

Fluorene

Concen: 0.19 ng

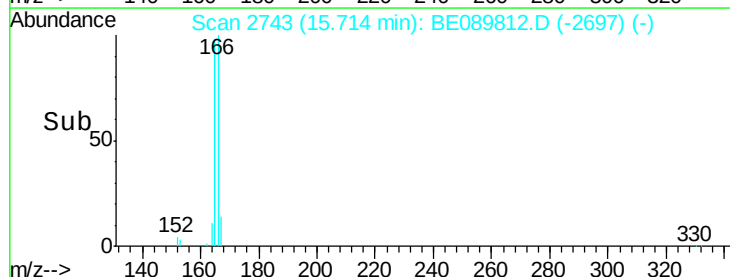
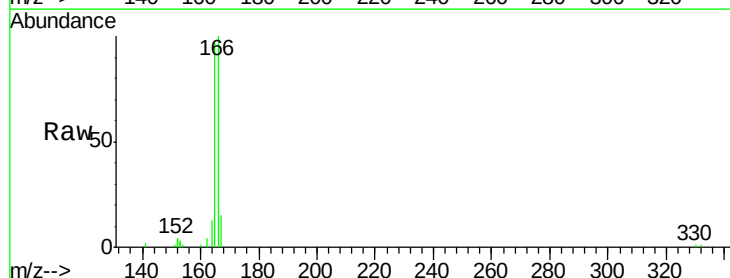
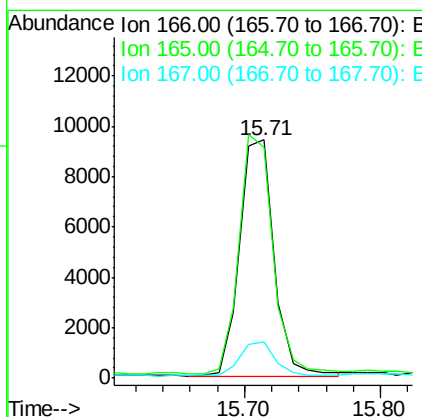
RT: 15.71 min Scan# 2743

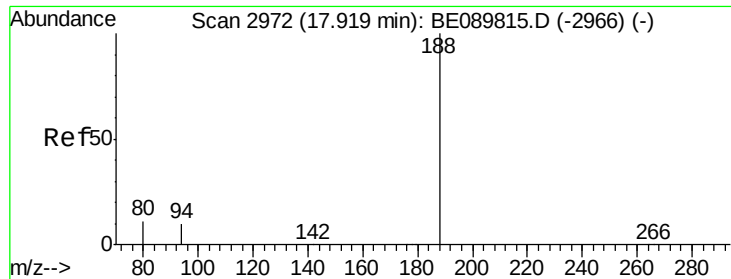
Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Tgt Ion:	166	Resp:	16474
Ion Ratio	Lower	Upper	
166	100		
165	100.8	85.1	127.7
167	14.9	12.2	18.4





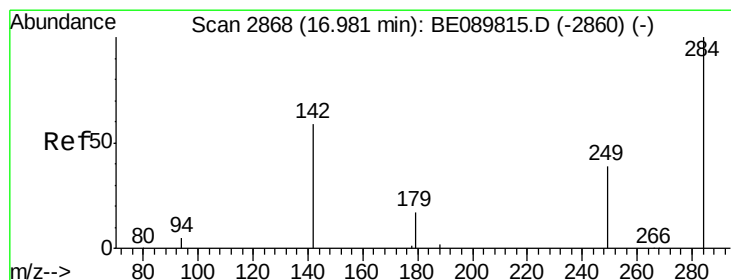
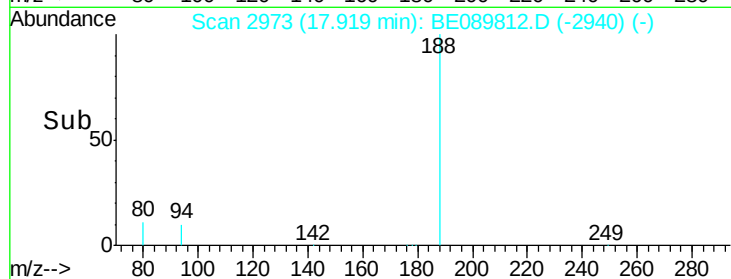
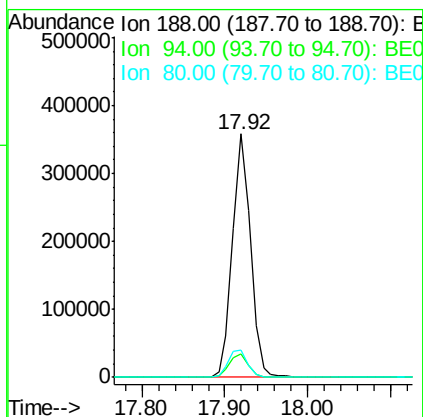
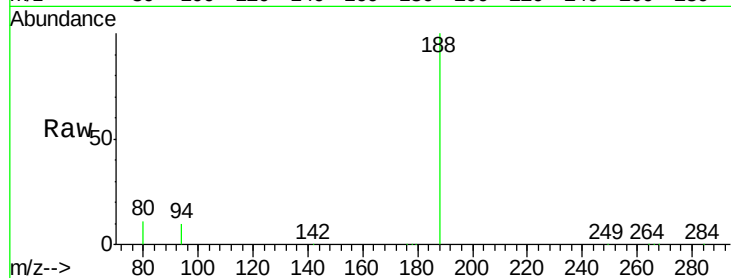
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	538748		
94	9.7	8.5	12.7	
80	11.3	10.0	15.0	

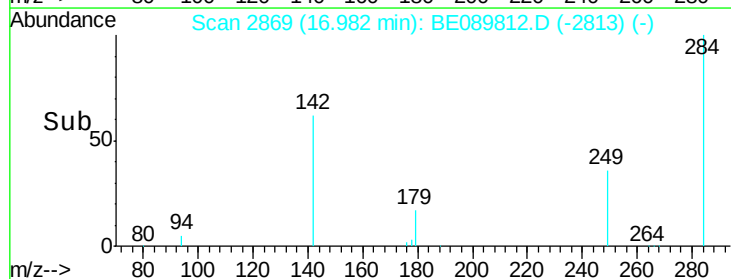
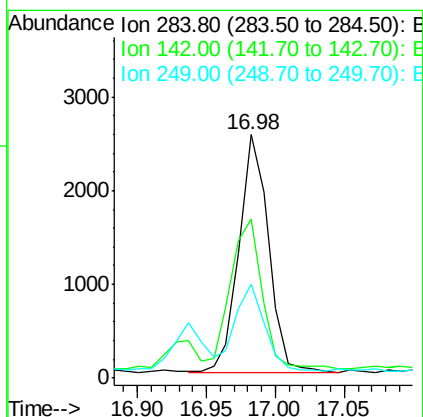
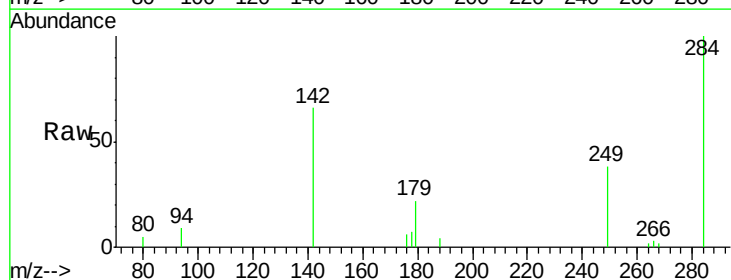
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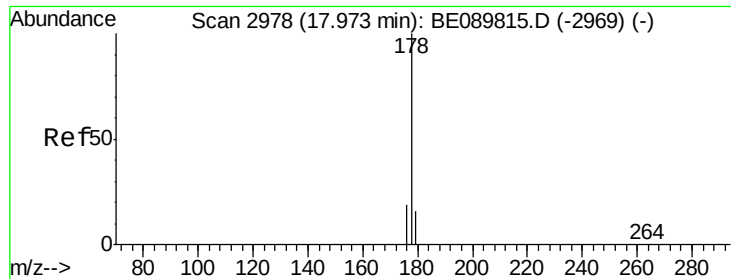
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#14
Hexachlorobenzene
Concen: 0.22 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	3787		
142	66.9	53.3	79.9	
249	37.2	31.1	46.7	





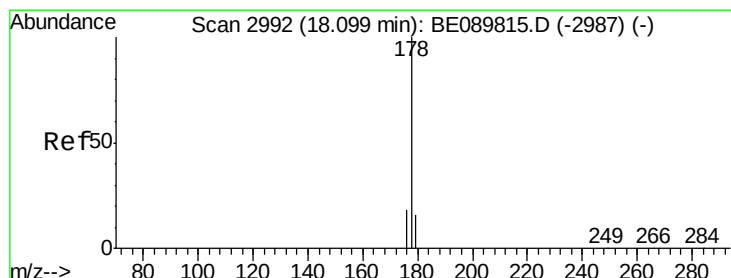
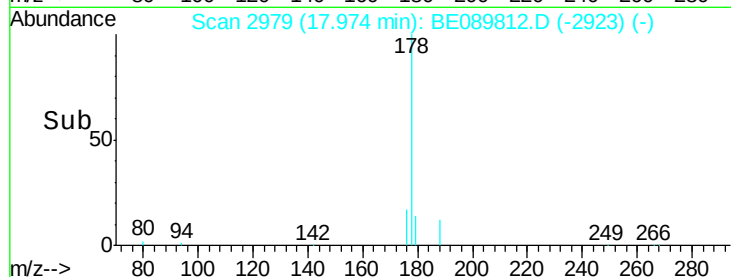
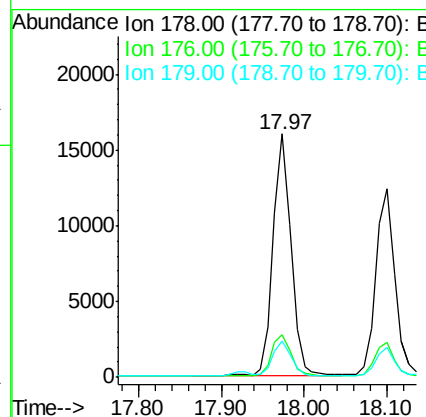
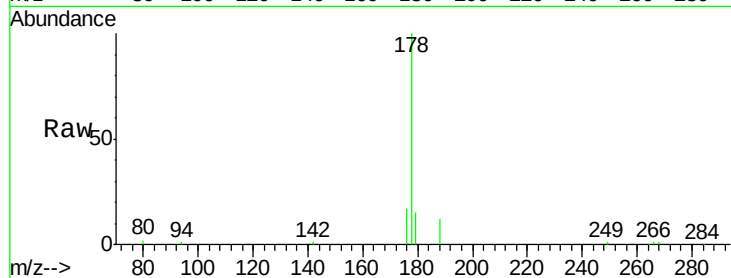
#16
Phenanthrene
Concen: 0.19 ng
RT: 17.97 min Scan# 2979
Delta R.T. 0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	14.5	12.2	18.4

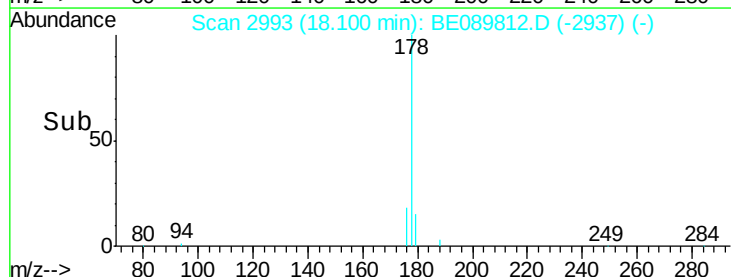
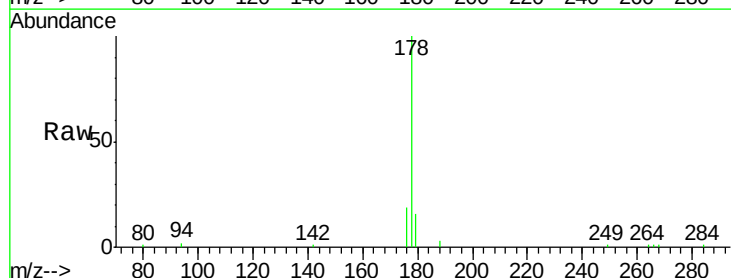
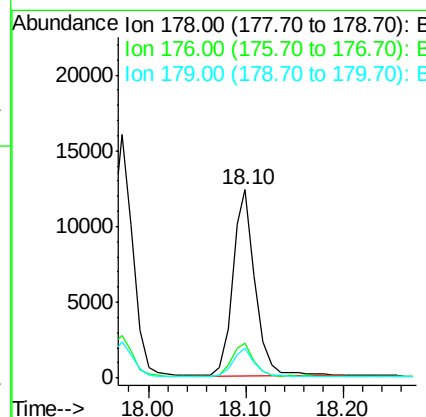
Manual Integrations
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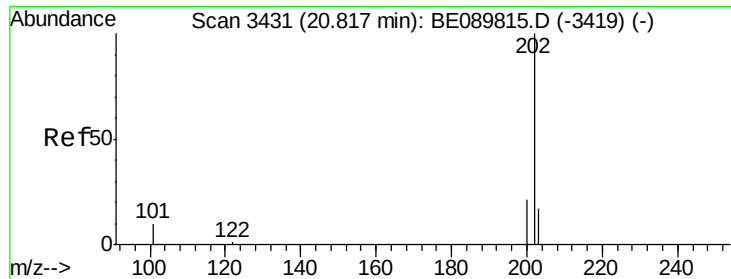
mohammad
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#17
Anthracene
Concen: 0.18 ng
RT: 18.10 min Scan# 2993
Delta R.T. 0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.4	12.1	18.1





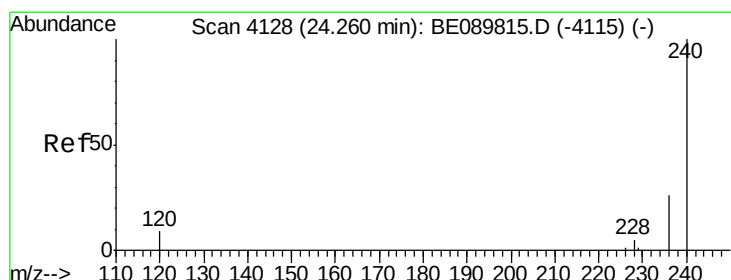
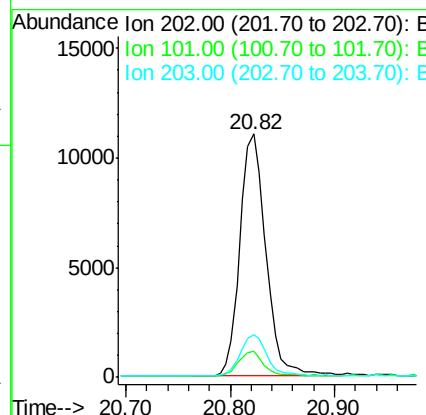
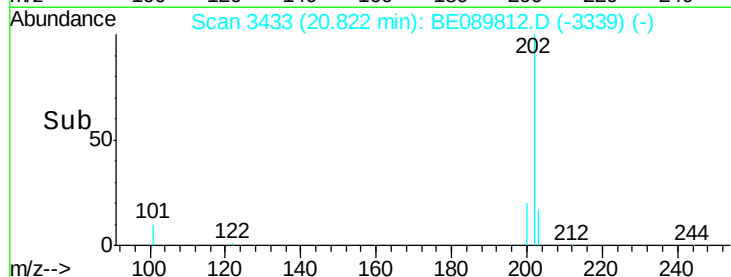
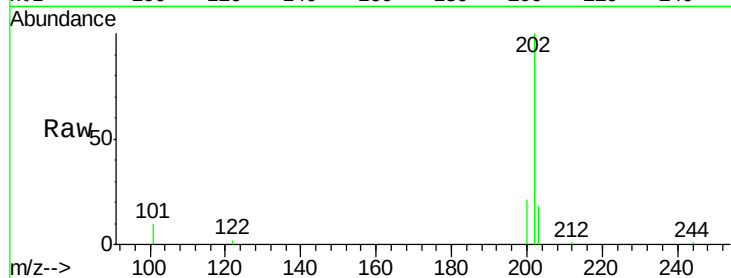
#18
 Fluoranthene
 Concen: 0.19 ng
 RT: 20.82 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	19127		
101	9.8	8.2	12.2	
203	17.4	14.2	21.4	

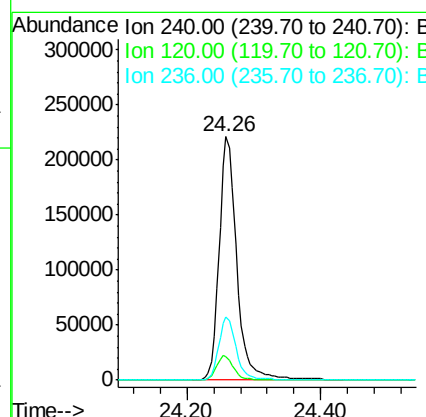
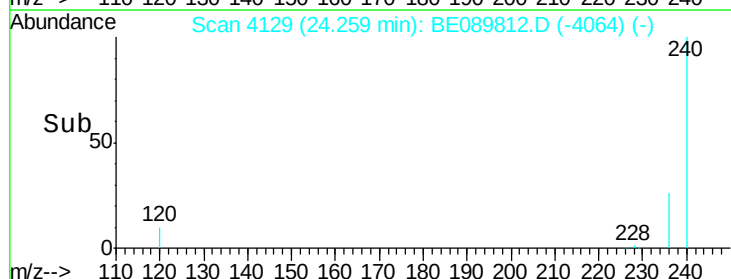
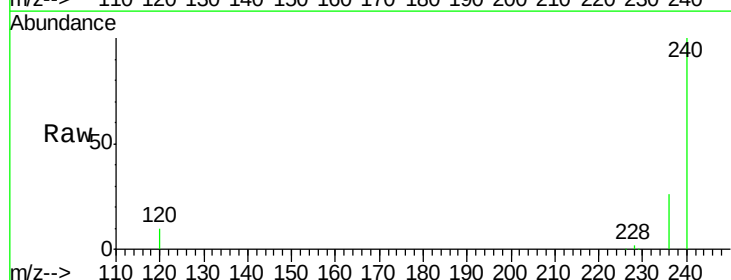
Manual Integrations
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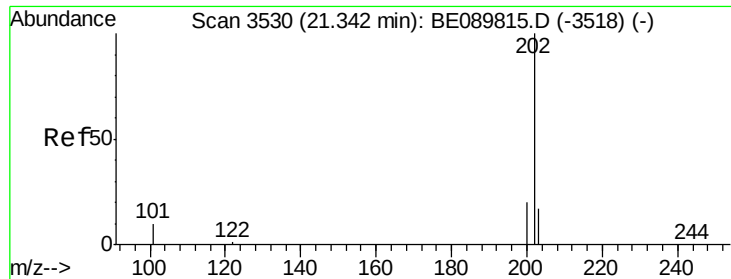
mohammad
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 24.26 min Scan# 4129
 Delta R.T. -0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	406430		
120	9.8	7.5	11.3	
236	25.7	20.5	30.7	





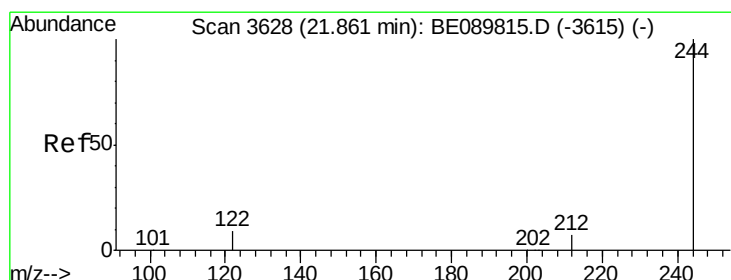
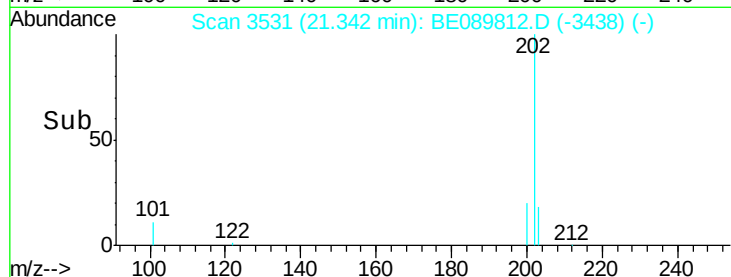
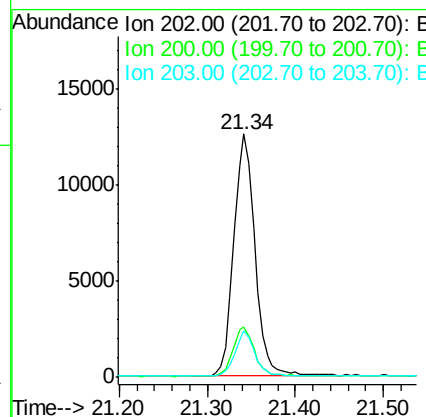
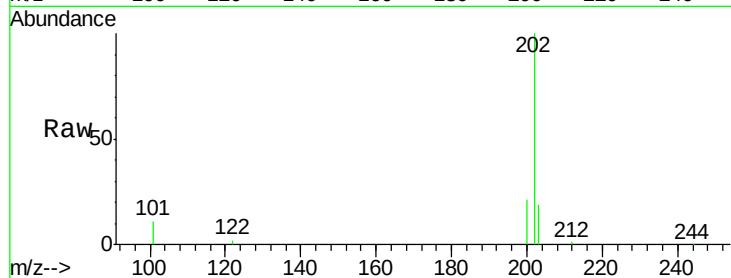
#20
Pyrene
Concen: 0.15 ng
RT: 21.34 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	15.9	23.9
203	17.2	13.6	20.4

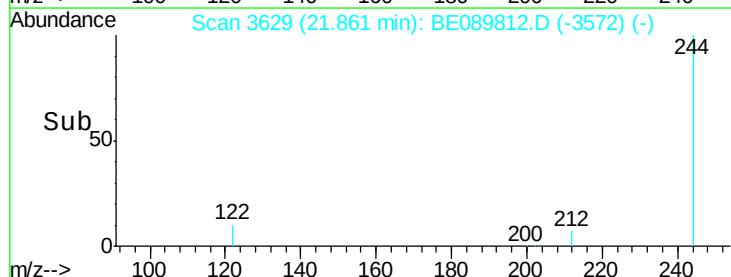
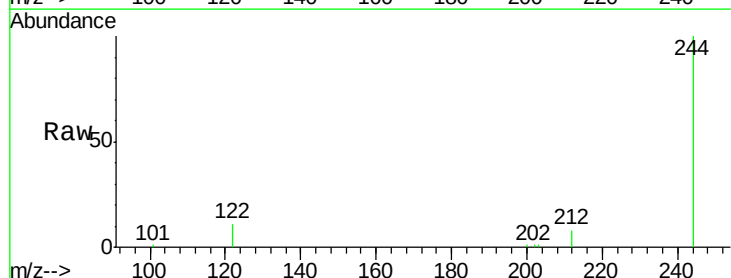
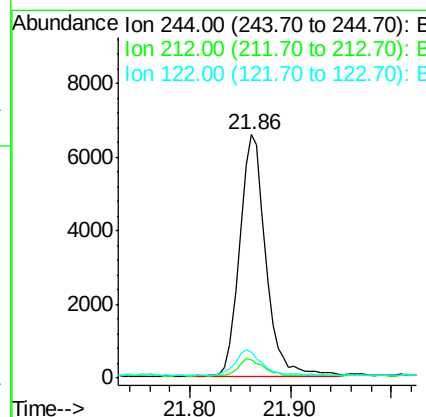
Manual Integrations
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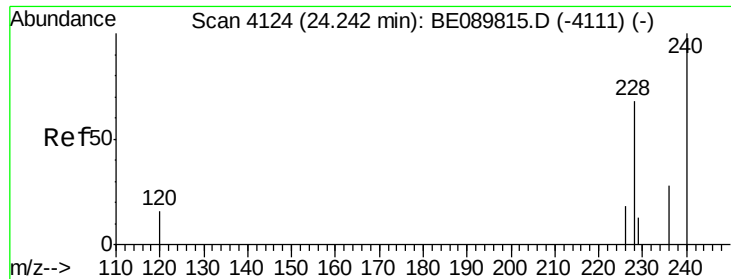
mohammad
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#21
Terphenyl-d14
Concen: 0.21 ng
RT: 21.86 min Scan# 3629
Delta R.T. 0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.8	7.3	10.9
122	10.9	10.5	15.7





#22

Benzo(a)anthracene

Concen: 0.07 ng

RT: 24.24 min Scan# 4125

Delta R.T. -0.01 min

Lab File: BE089812.D

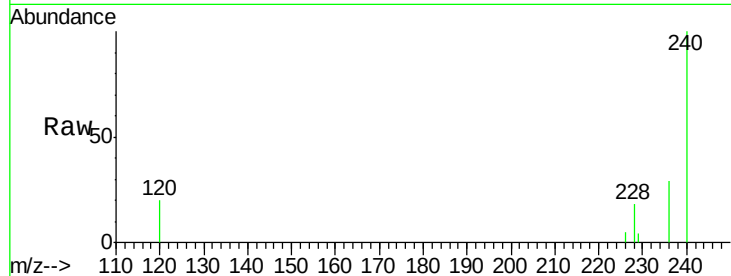
Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

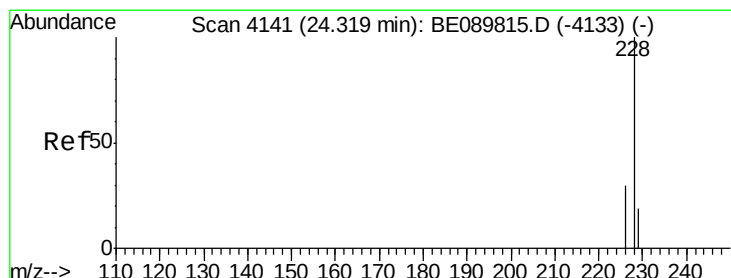
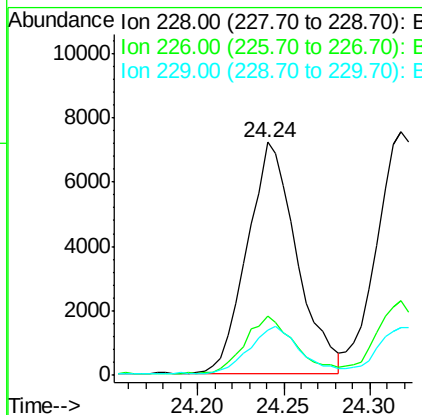
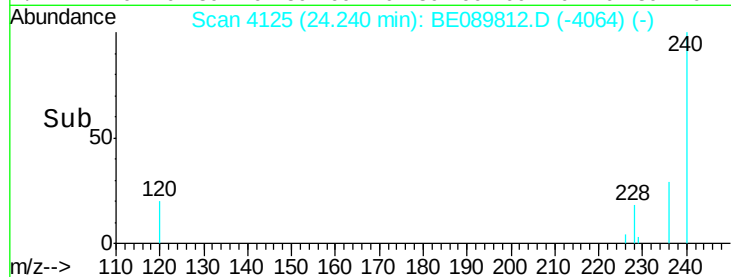
SSTDICC0.2



Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.2	19.8	29.8
229	19.6	16.3	24.5

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#23

Chrysene

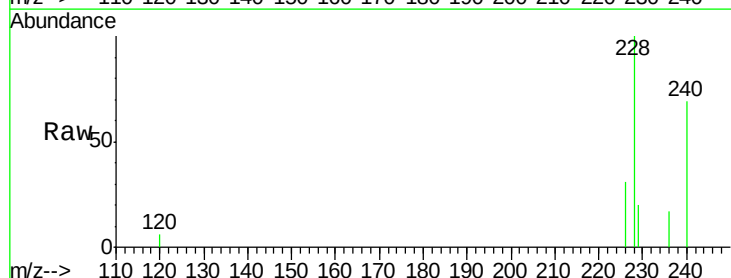
Concen: 0.05 ng

RT: 24.32 min Scan# 4142

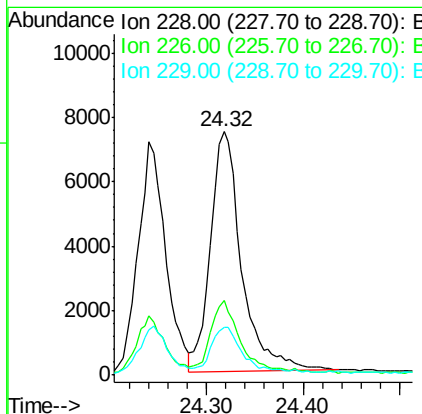
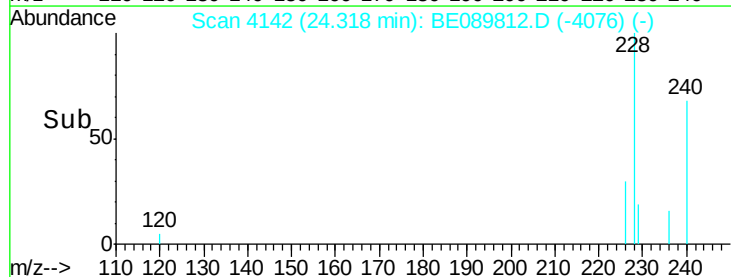
Delta R.T. 0.00 min

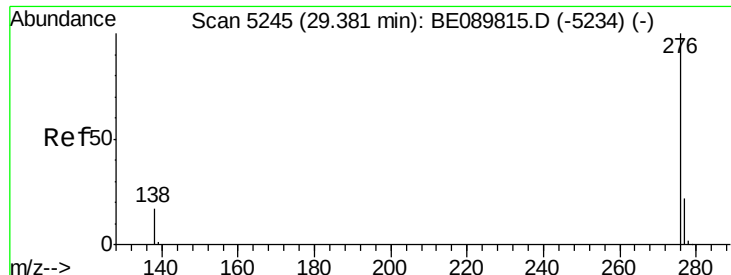
Lab File: BE089812.D

Acq: 24 Mar 2015 12:47



Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.0	34.4
229	19.7	15.8	23.6





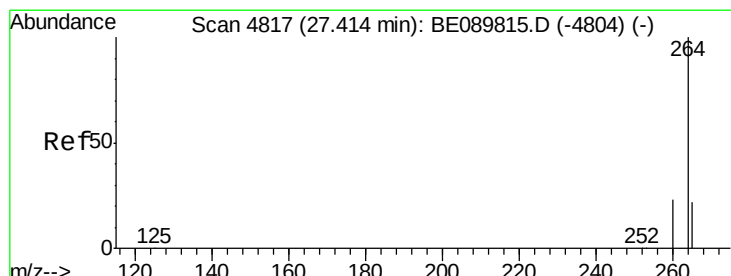
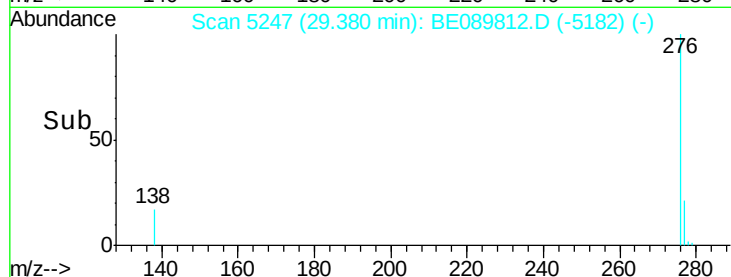
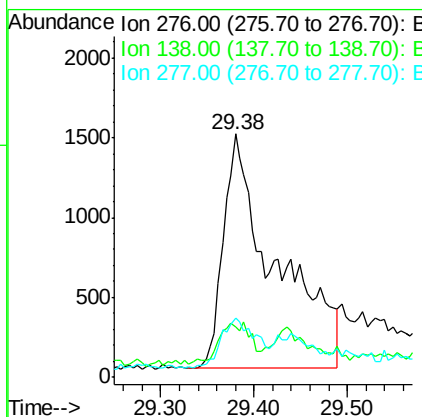
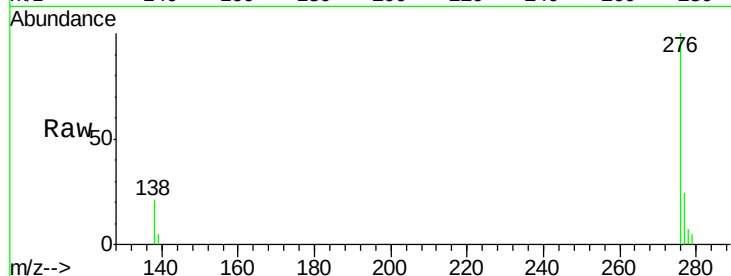
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng m
 RT: 29.38 min Scan# 5247
 Delta R.T. -0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.5	4.3	6.5#
277	14.0	9.0	13.4#

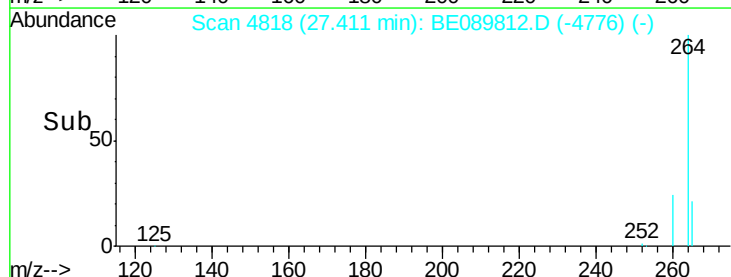
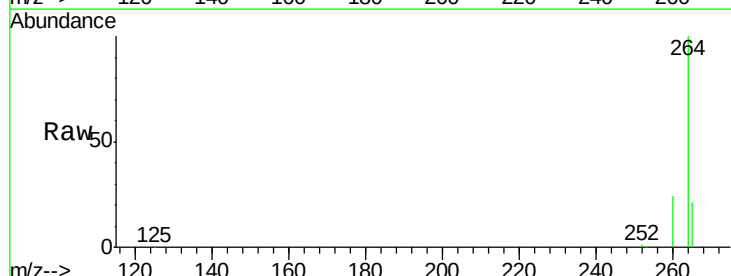
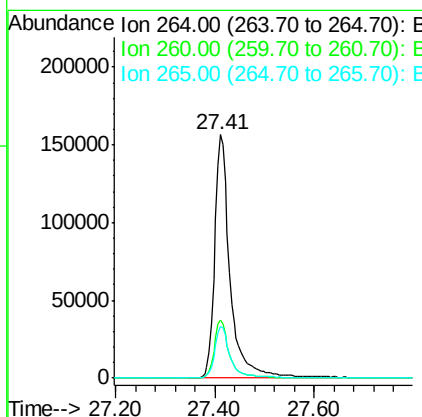
Manual Integrations
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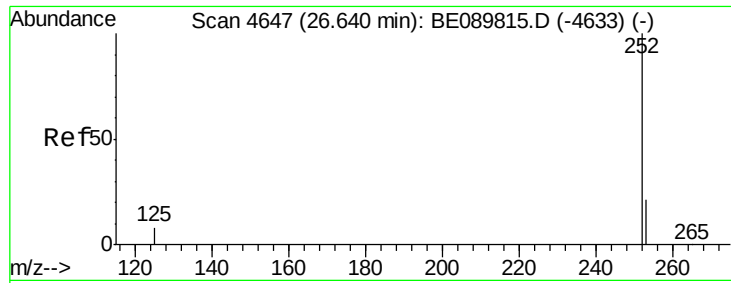
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#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4818
 Delta R.T. -0.00 min
 Lab File: BE089812.D
 Acq: 24 Mar 2015 12:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.2
265	21.4	17.3	25.9





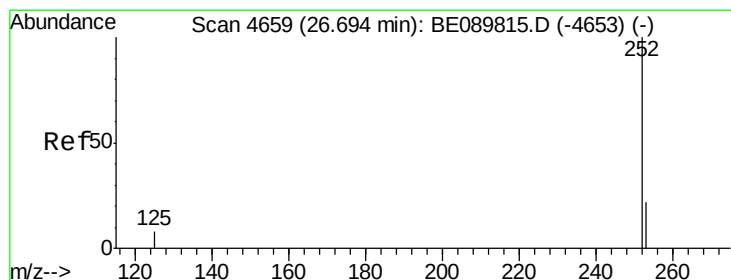
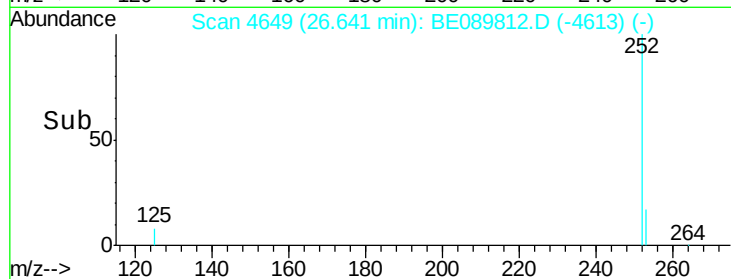
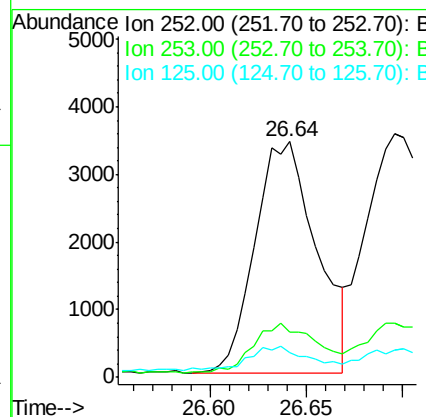
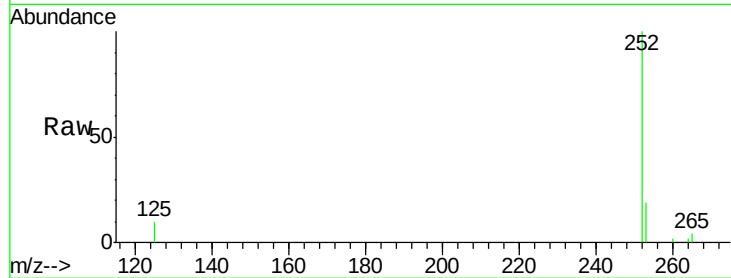
#26
Benzo(b)fluoranthene
Concen: 0.27 ng
RT: 26.64 min Scan# 4649
Delta R.T. 0.01 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.1	17.8	26.6
125	10.5	8.7	13.1

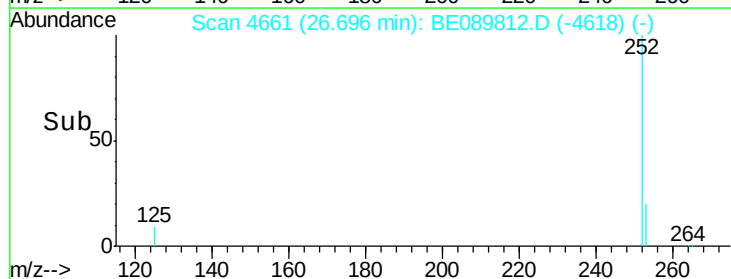
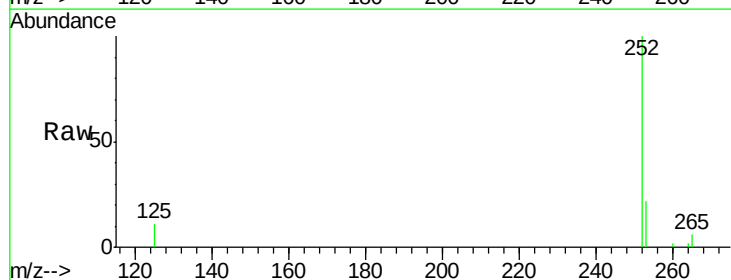
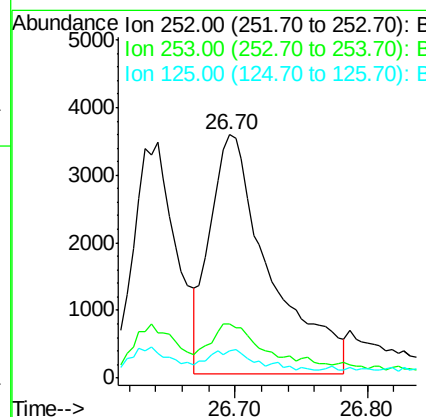
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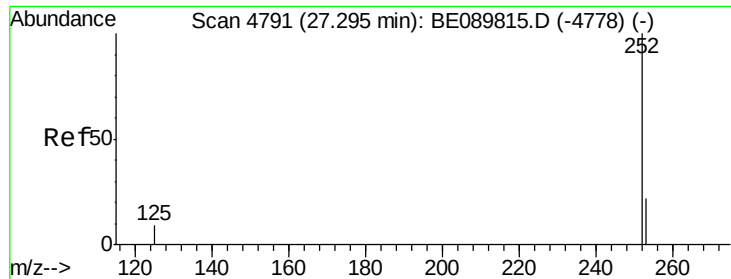
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#27
Benzo(k)fluoranthene
Concen: 0.16 ng m
RT: 26.70 min Scan# 4661
Delta R.T. -0.00 min
Lab File: BE089812.D
Acq: 24 Mar 2015 12:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	28.0
125	11.1	10.8	16.2





#28

Benzo(a)pyrene

Concen: 0.21 ng

RT: 27.29 min Scan# 4792

Delta R.T. -0.01 min

Lab File: BE089812.D

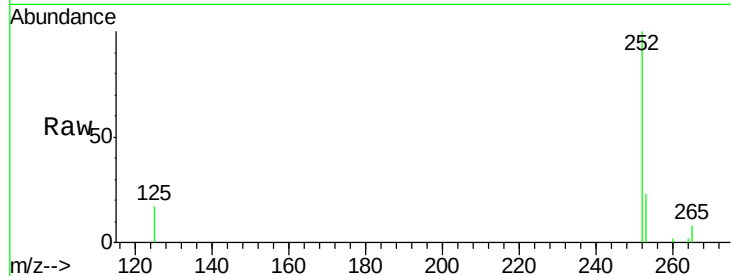
Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

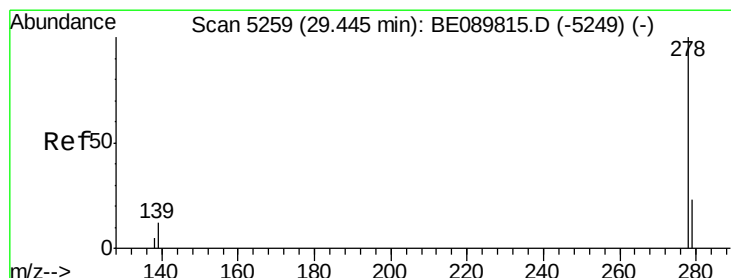
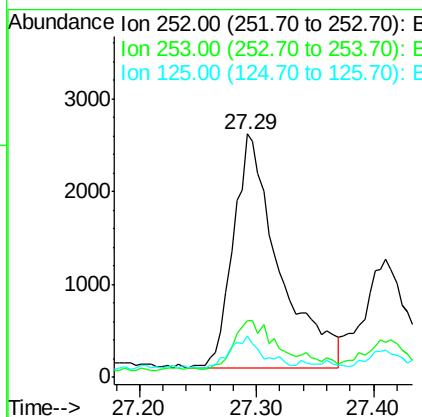
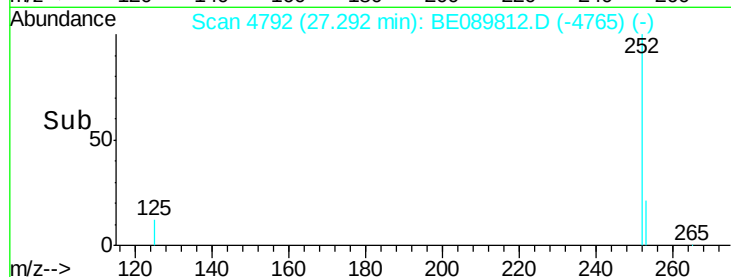
SSTDIC0.2



Tgt Ion:	252	Resp:	6869
Ion Ratio	Lower	Upper	
252	100		
253	23.2	21.0	31.4
125	16.8	13.3	19.9

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#29

Dibenzo(a,h)anthracene

Concen: 0.17 ng

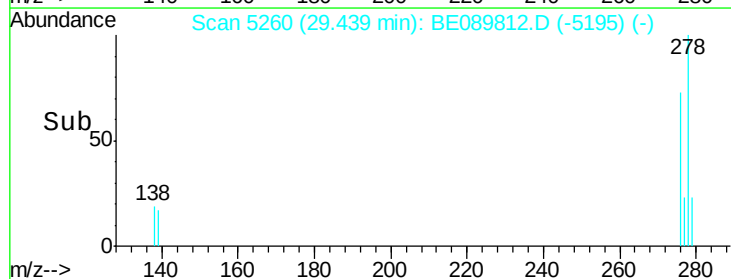
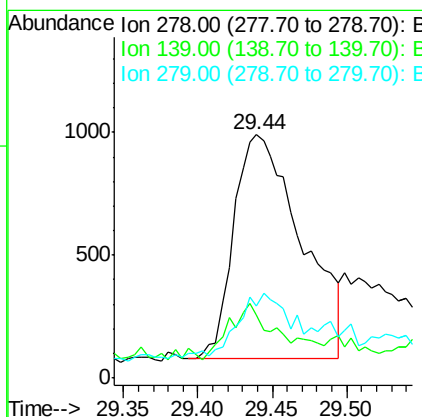
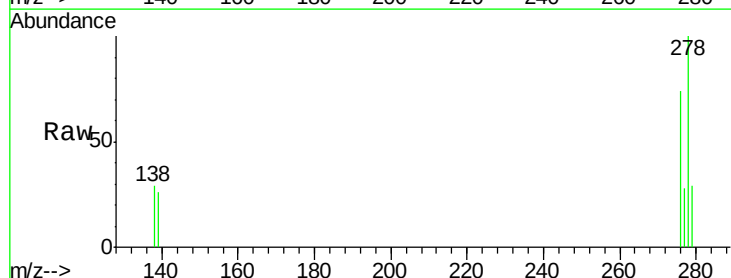
RT: 29.44 min Scan# 5260

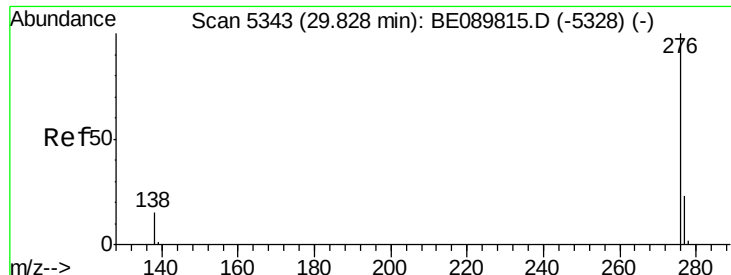
Delta R.T. -0.00 min

Lab File: BE089812.D

Acq: 24 Mar 2015 12:47

Tgt Ion:	278	Resp:	2884
Ion Ratio	Lower	Upper	
278	100		
139	25.8	20.0	30.0
279	29.5	28.9	43.3





#30

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 29.83 min Scan# 5345

Delta R.T. 0.01 min

Lab File: BE089812.D

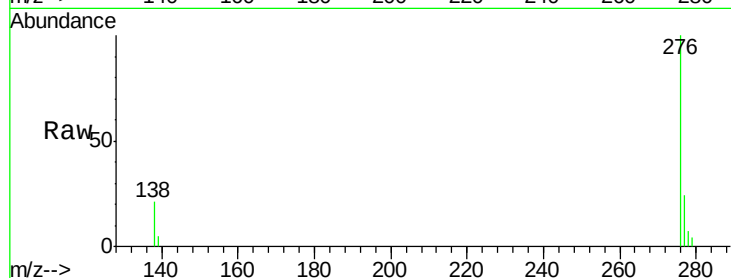
Acq: 24 Mar 2015 12:47

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.2



Tgt Ion: 276 Resp: 7761

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 21.0 22.9 34.3#

Manual Integrations

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