

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089814.D
 Acq On : 24 Mar 2015 14:07
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
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 3/25/2015 5:43:33 PM

Quant Time: Mar 24 14:59:12 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	139944	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	594022	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	311609	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	522519	5.00	ng	0.00
19) Chrysene-d12	24.26	240	403320	5.00	ng	0.00
25) Perylene-d12	27.41	264	331224	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	22764	0.67	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	55157	0.69	ng	0.00
21) Terphenyl-d14	21.86	244	46022	0.83	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.49	88	15054	0.84	ng	93
3) n-Nitrosodimethylamine	2.93	42	19660	1.23	ng	# 82
6) Naphthalene	10.31	128	92852	0.75	ng	95
7) 2-Methylnaphthalene	11.93	142	53155	0.73	ng	98
10) Acenaphthylene	14.04	152	337886	0.68	ng	98
11) Acenaphthene	14.46	154	51833	0.67	ng	87
12) Fluorene	15.70	166	62584	0.73	ng	95
14) Hexachlorobenzene	16.98	284	13272	0.81	ng	98
15) Pentachlorophenol	17.50	266	3485	0.05	ng	94
16) Phenanthrene	17.97	178	86362	0.70	ng	100
17) Anthracene	18.10	178	75997	0.71	ng	99
18) Fluoranthene	20.82	202	75916	0.78	ng	98
20) Pyrene	21.34	202	78094	0.58	ng	98
22) Benzo(a)anthracene	24.24	228	54120	0.25	ng	97
23) Chrysene	24.32	228	63325	0.17	ng	99
24) Indeno(1,2,3-cd)pyrene	29.38	276	26769m	0.39	ng	
26) Benzo(b)fluoranthene	26.64	252	33202	1.20	ng	97
27) Benzo(k)fluoranthene	26.70	252	52003m	0.74	ng	
28) Benzo(a)pyrene	27.30	252	32801m	1.00	ng	
29) Dibenzo(a,h)anthracene	29.44	278	19719	1.16	ng	# 78
30) Benzo(g,h,i)perylene	29.83	276	37741	0.29	ng	# 87

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

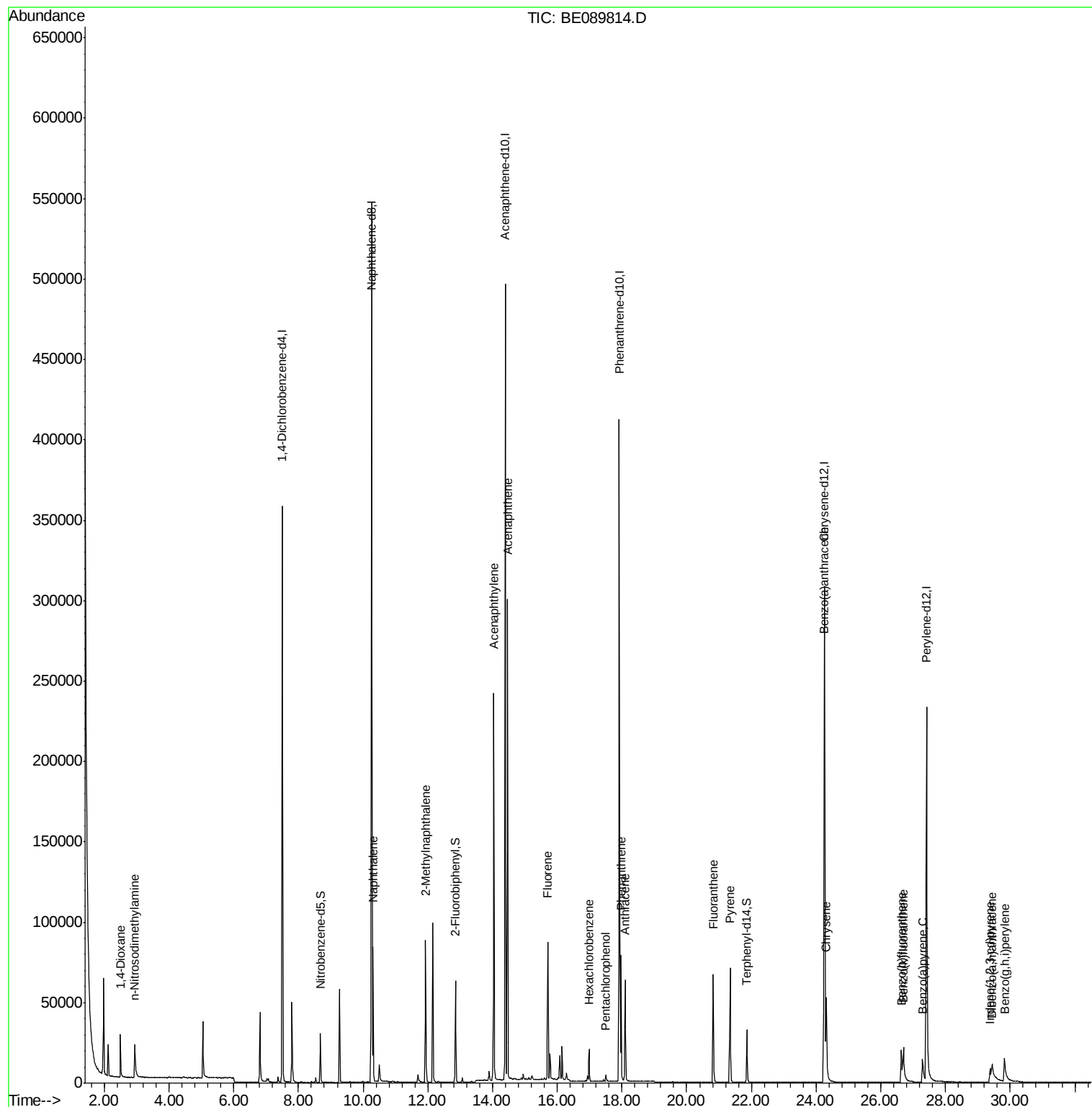
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
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ALS Vial : 5 Sample Multiplier: 1

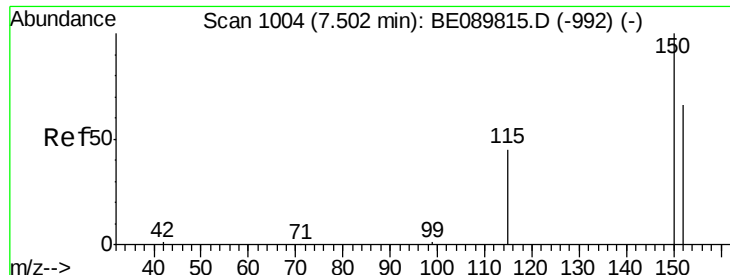
Instrument :
BNA_E
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SSTDIC0.8

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Quant Time: Mar 24 14:59:12 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
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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: BE089814.D

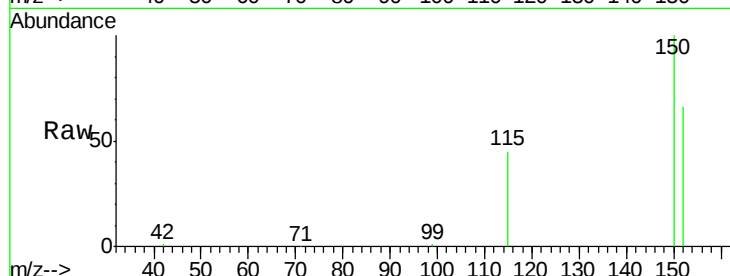
Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8



Tgt Ion: 152 Resp: 139944

Ion Ratio Lower Upper

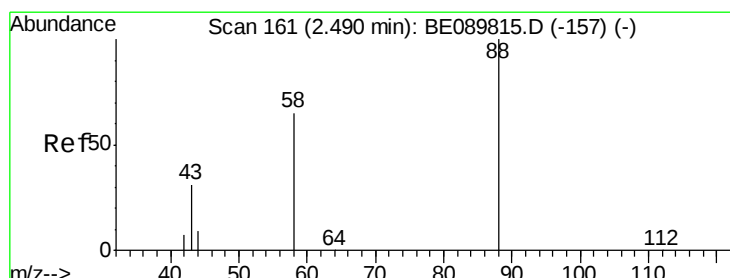
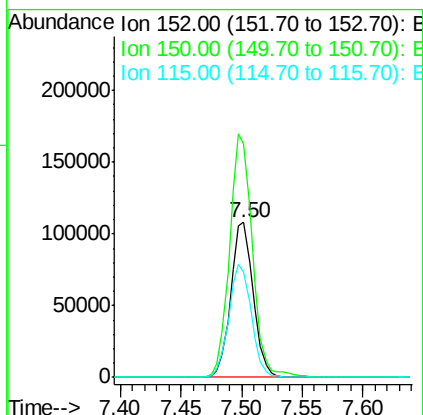
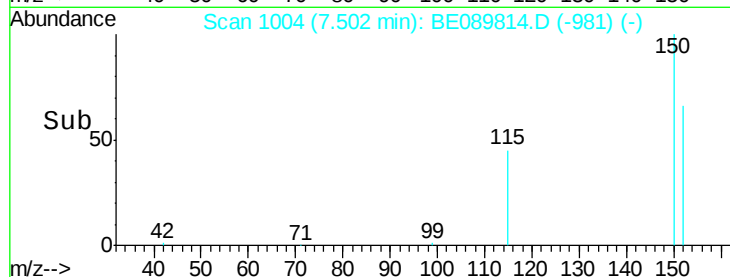
152 100

150 150.9 125.5 188.3

115 67.8 58.0 87.0

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#2

1,4-Dioxane

Concen: 0.84 ng

RT: 2.49 min Scan# 161

Delta R.T. -0.03 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

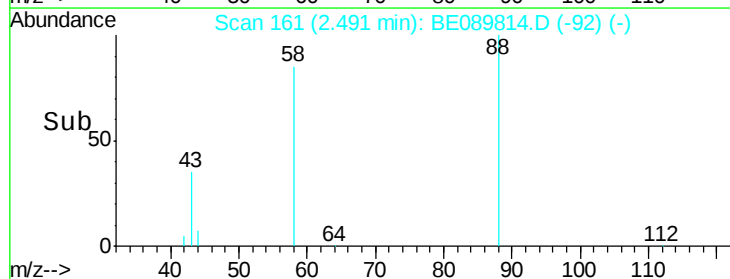
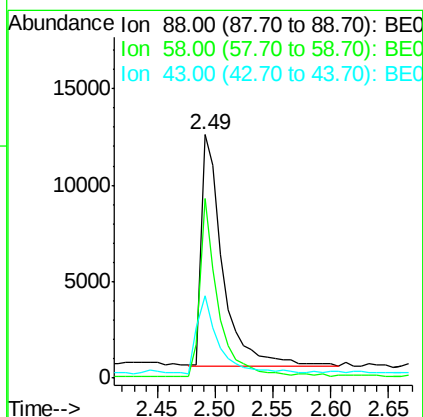
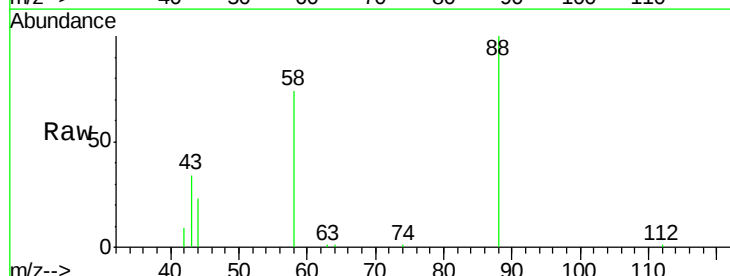
Tgt Ion: 88 Resp: 15054

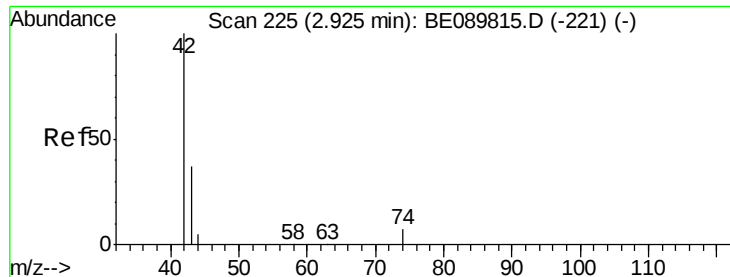
Ion Ratio Lower Upper

88 100

58 66.4 48.6 72.8

43 32.3 28.6 43.0





#3

n-Nitrosodimethylamine

Concen: 1.23 ng

RT: 2.93 min Scan# 226

Delta R.T. -0.06 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

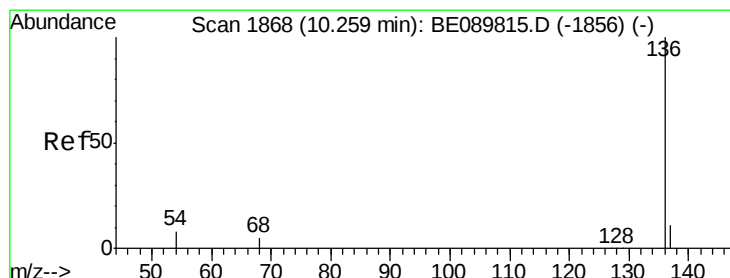
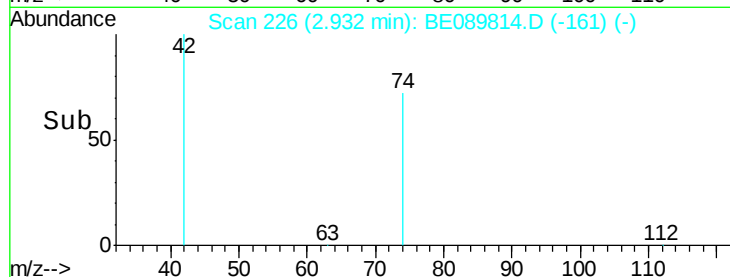
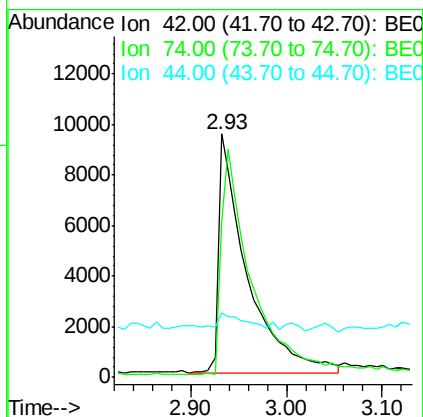
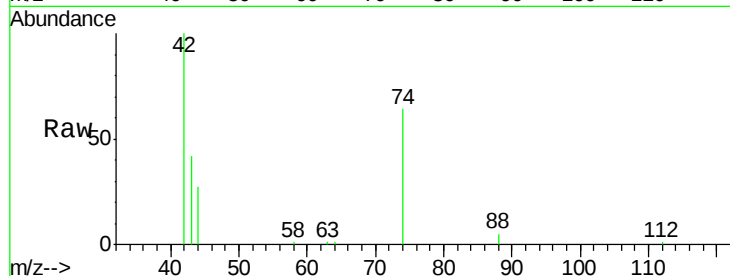
ClientSampleId :

SSTDIC0.8

Tgt Ion:	42	Resp:	19660
Ion Ratio	Lower	Upper	
42	100		
74	103.0	68.7	103.1
44	5.5	6.2	9.4#

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#4

Naphthalene-d8

Concen: 5.00 ng

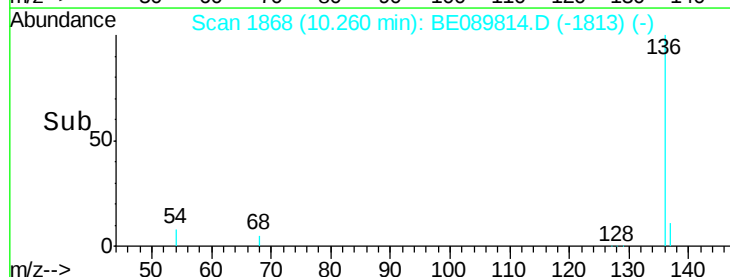
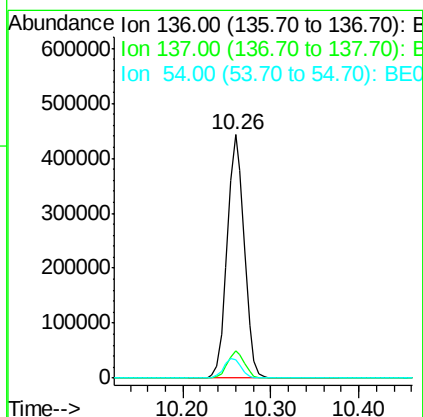
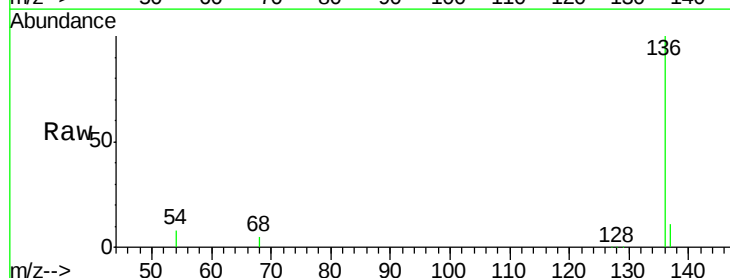
RT: 10.26 min Scan# 1868

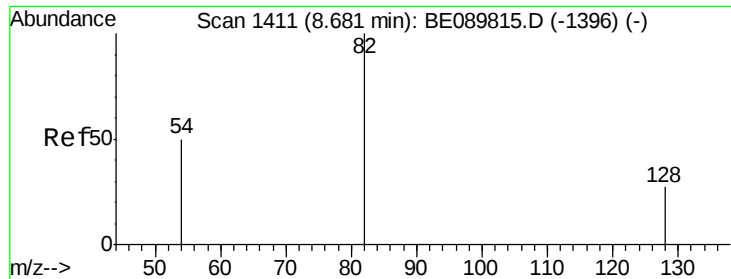
Delta R.T. 0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Tgt Ion:	136	Resp:	594022
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.7	7.0	10.4





#5

Nitrobenzene-d5

Concen: 0.67 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089814.D

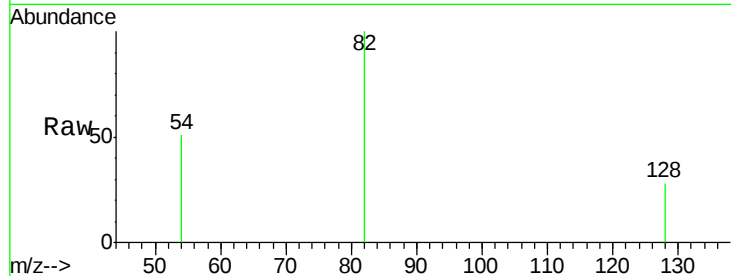
Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

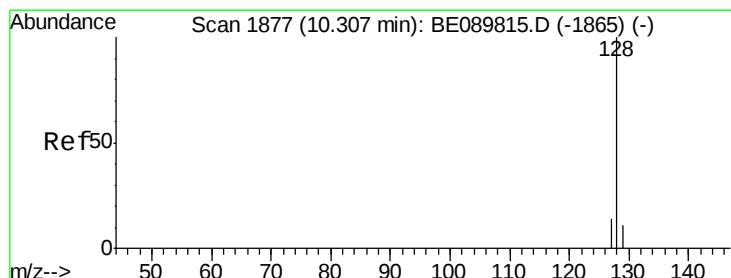
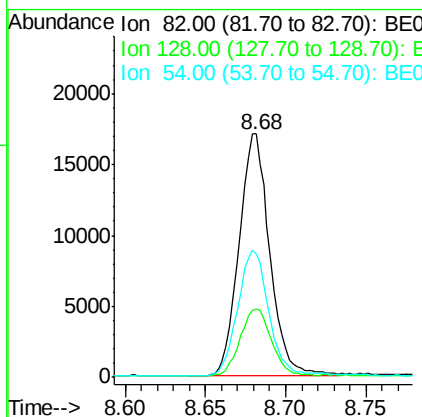
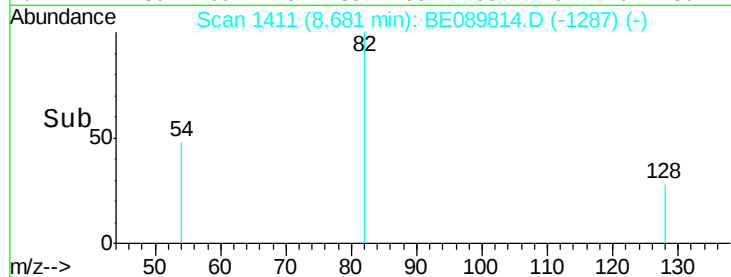
SSTDIC0.8



Tgt Ion:	82	Resp:	22764
Ion Ratio	Lower	Upper	
82	100		
128	28.1	24.6	37.0
54	50.6	43.0	64.6

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#6

Naphthalene

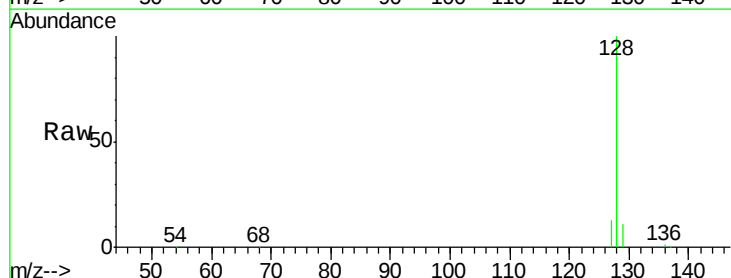
Concen: 0.75 ng

RT: 10.31 min Scan# 1877

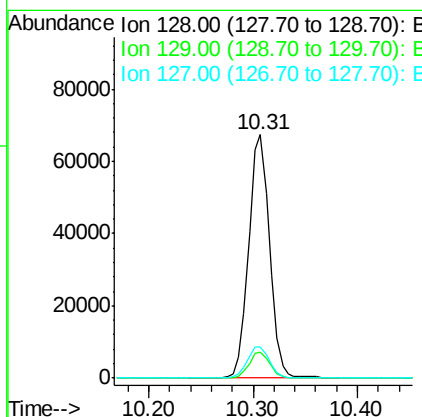
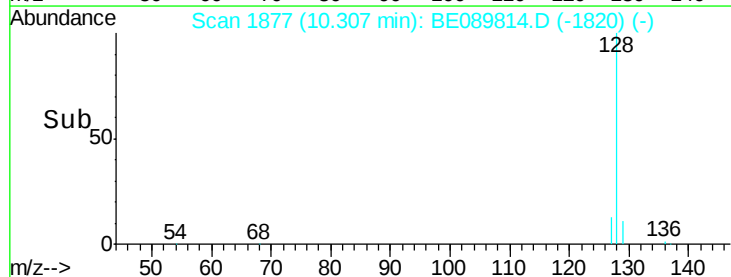
Delta R.T. 0.00 min

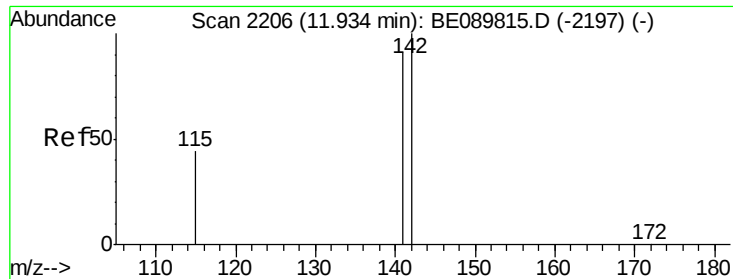
Lab File: BE089814.D

Acq: 24 Mar 2015 14:07



Tgt Ion:	128	Resp:	92852
Ion Ratio	Lower	Upper	
128	100		
129	10.9	10.0	15.0
127	12.9	12.5	18.7





#7

2-Methylnaphthalene

Concen: 0.73 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

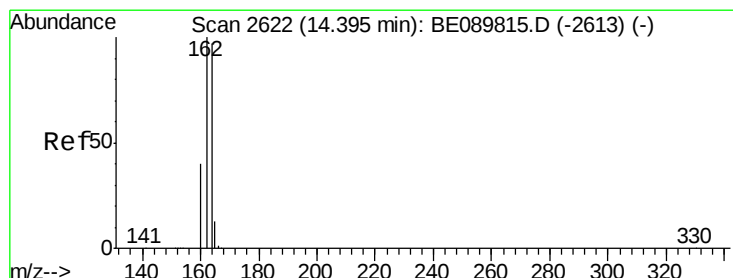
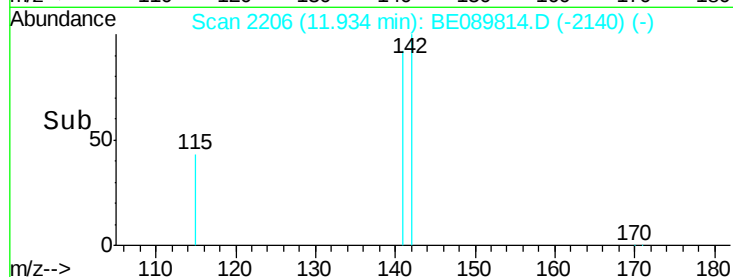
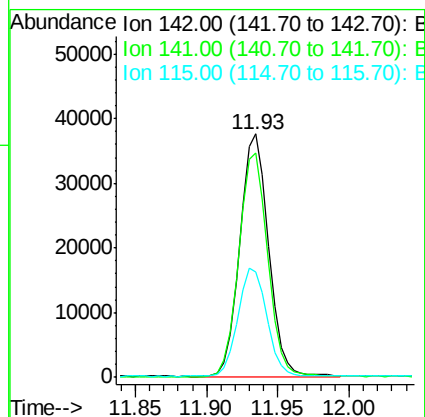
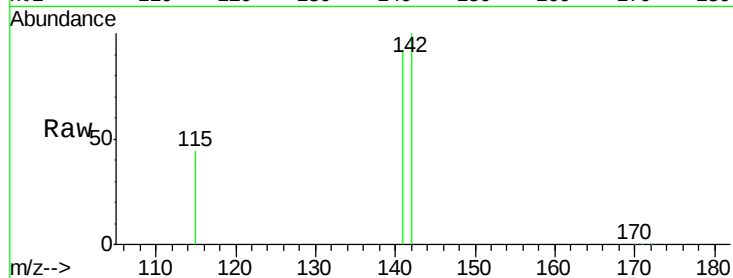
ClientSampleId :

SSTDICC0.8

Tgt Ion:	142	Resp:	53155
Ion Ratio	Lower	Upper	
142	100		
141	92.0	72.8	109.2
115	43.5	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

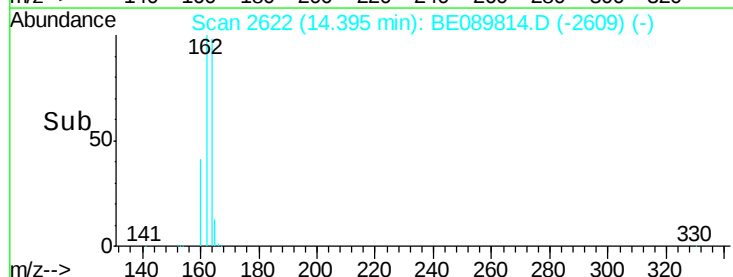
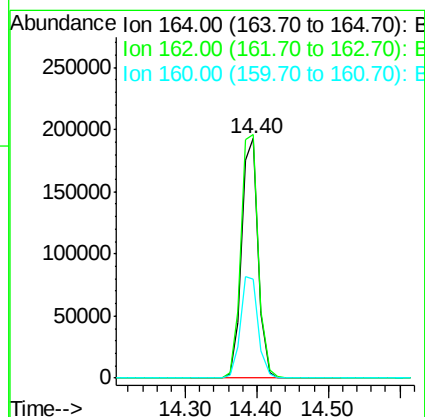
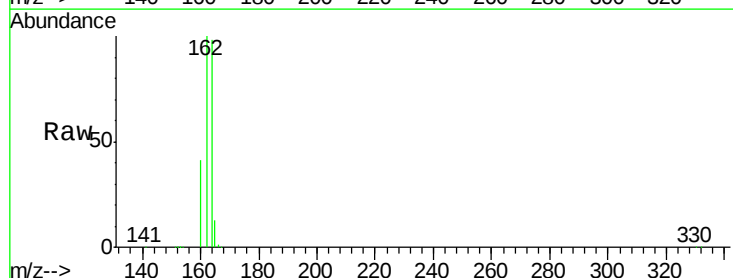
RT: 14.40 min Scan# 2622

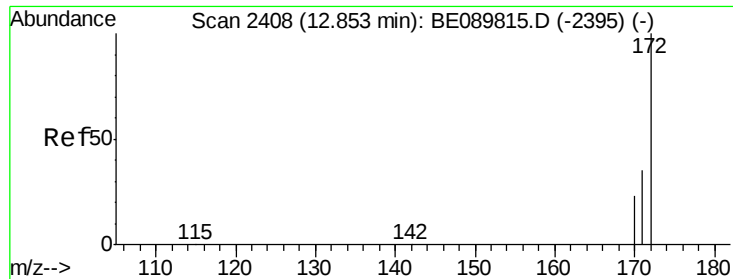
Delta R.T. 0.01 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Tgt Ion:	164	Resp:	311609
Ion Ratio	Lower	Upper	
164	100		
162	101.8	87.6	131.4
160	41.3	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 0.69 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089814.D

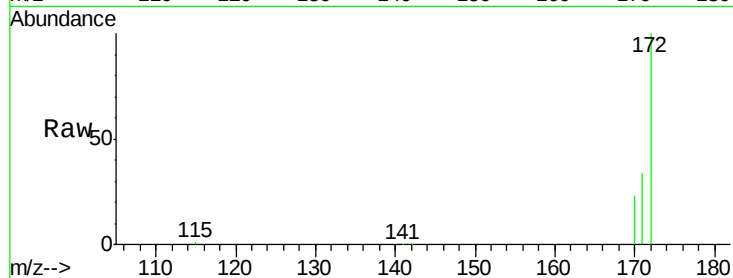
Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampled :

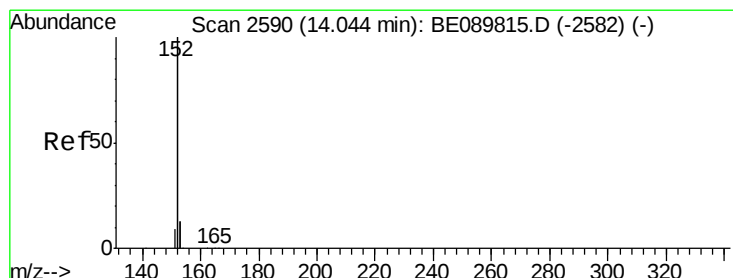
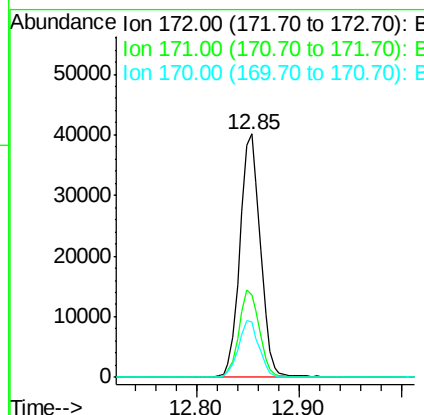
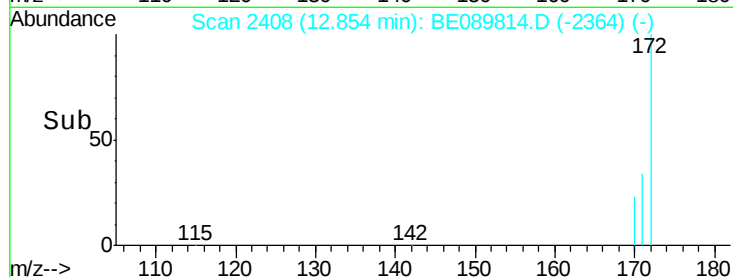
SSTDICC0.8



Tgt Ion:	172	Resp:	55157
Ion Ratio	Lower	Upper	
172	100		
171	34.0	30.8	46.2
170	22.8	21.0	31.4

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#10

Acenaphthylene

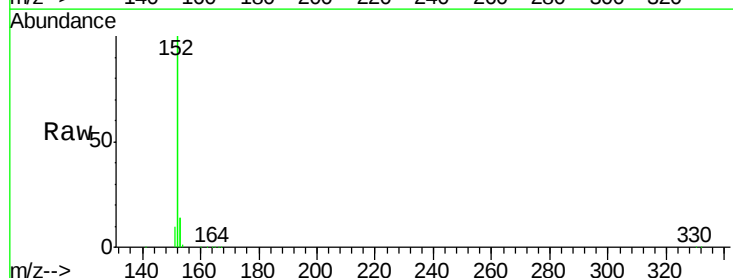
Concen: 0.68 ng

RT: 14.04 min Scan# 2590

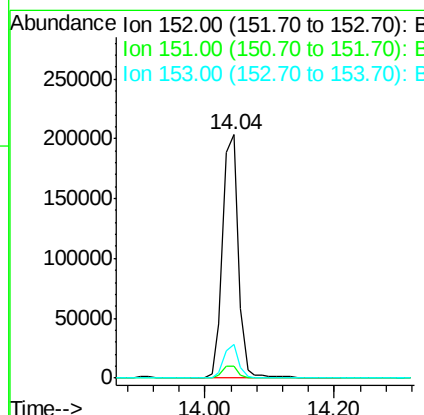
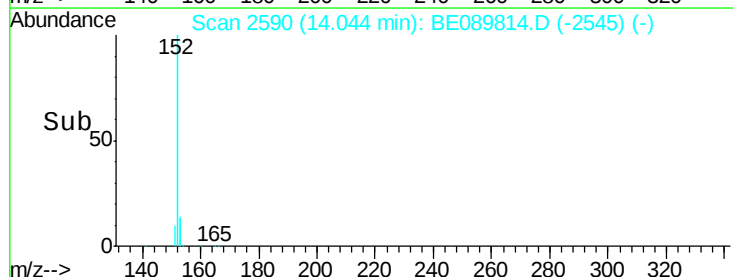
Delta R.T. -0.00 min

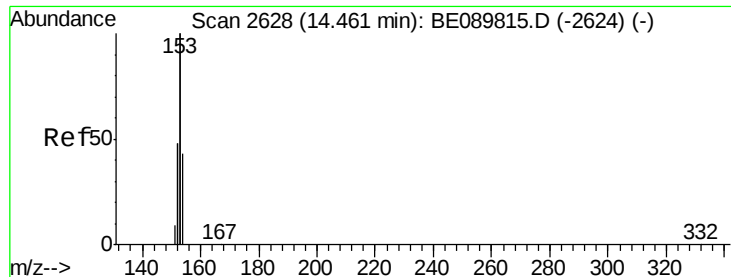
Lab File: BE089814.D

Acq: 24 Mar 2015 14:07



Tgt Ion:	152	Resp:	337886
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	12.8	11.0	16.4





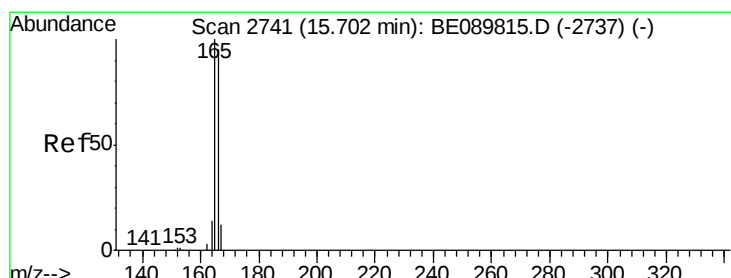
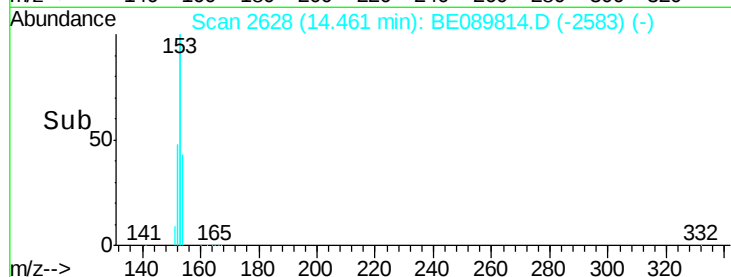
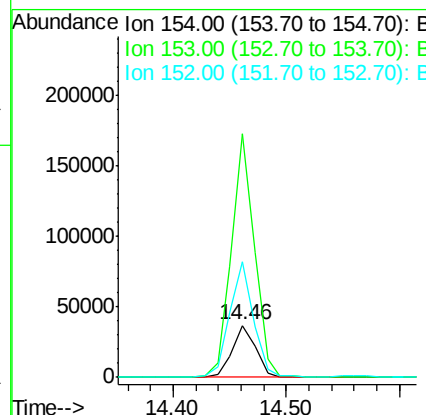
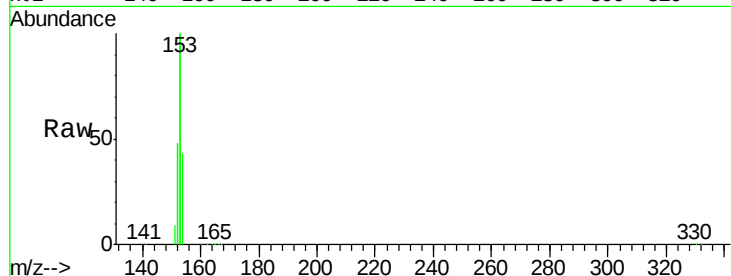
#11
Acenaphthene
Concen: 0.67 ng
RT: 14.46 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BE089814.D
Acq: 24 Mar 2015 14:07

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
154	100		
153	463.7	401.5	602.3
152	226.0	198.6	298.0

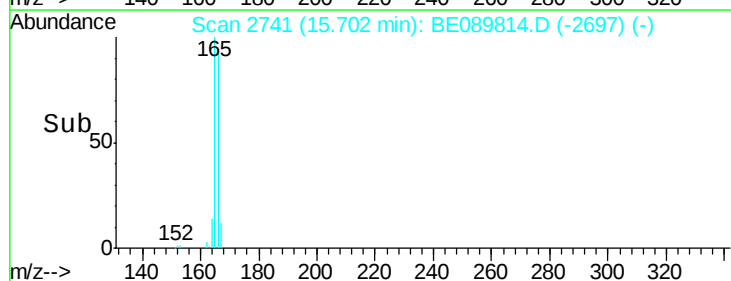
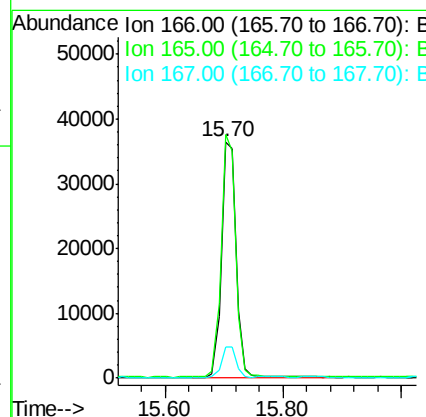
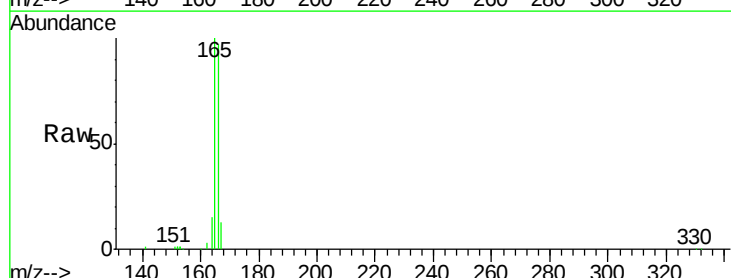
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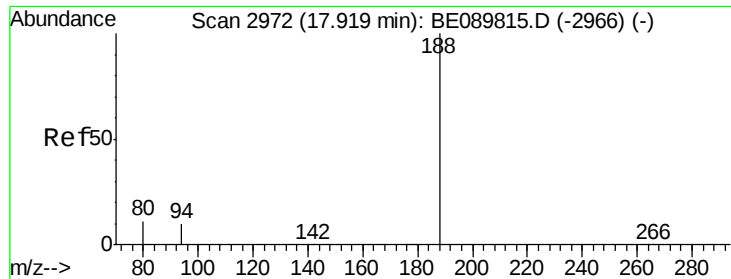
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#12
Fluorene
Concen: 0.73 ng
RT: 15.70 min Scan# 2741
Delta R.T. -0.01 min
Lab File: BE089814.D
Acq: 24 Mar 2015 14:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.8	85.1	127.7
167	13.3	12.2	18.4





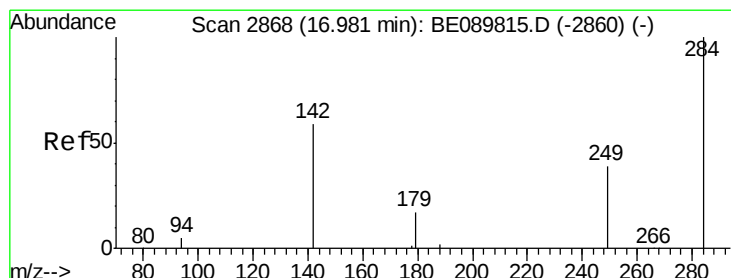
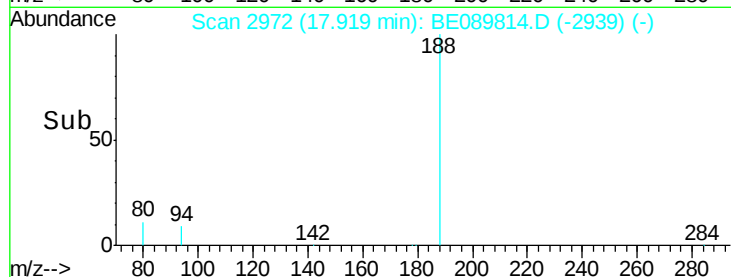
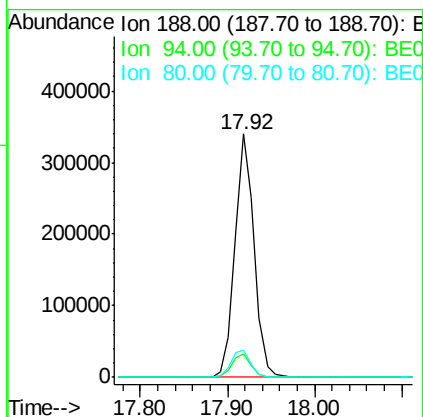
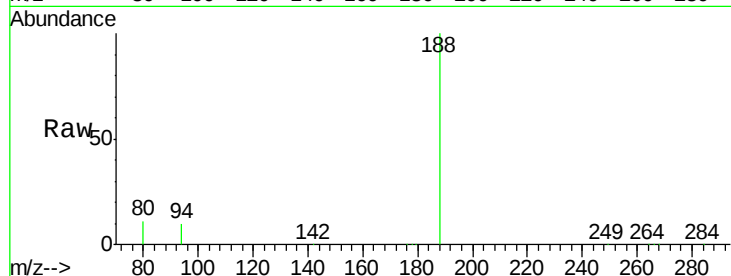
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089814.D
Acq: 24 Mar 2015 14:07

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.5	8.5	12.7
80	11.3	10.0	15.0

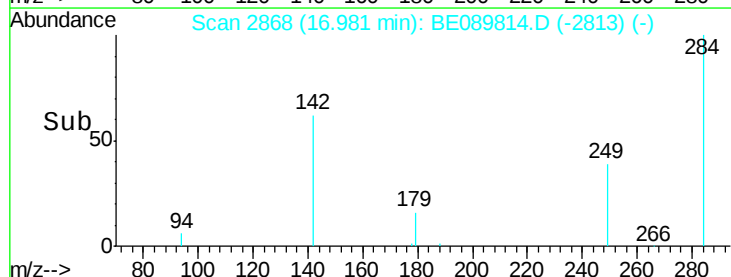
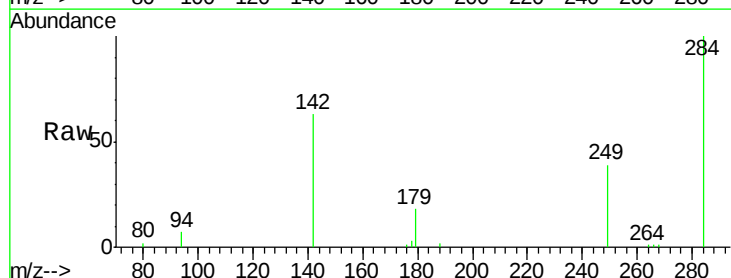
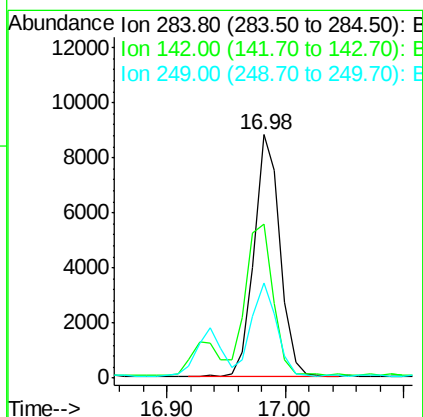
Manual Integrations
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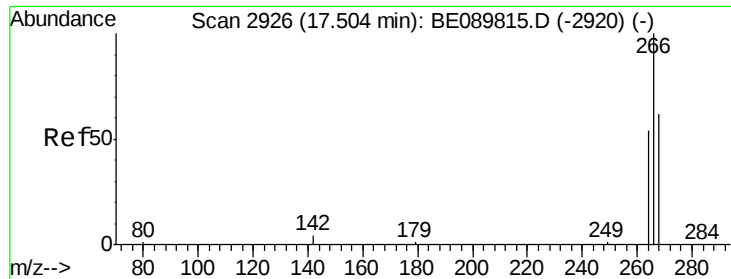
mohammad
3/25/2015 5:43:33 PM



#14
Hexachlorobenzene
Concen: 0.81 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089814.D
Acq: 24 Mar 2015 14:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	65.2	53.3	79.9
249	37.7	31.1	46.7





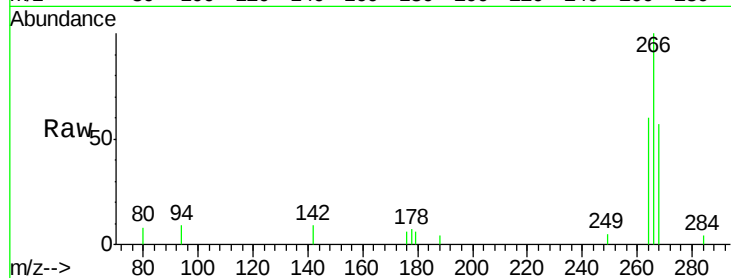
#15
 Pentachlorophenol
 Concen: 0.05 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. -0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
266	100		
268	57.0	51.6	77.4
264	60.1	50.2	75.2

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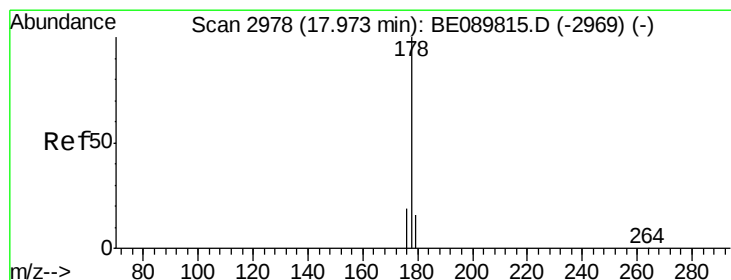
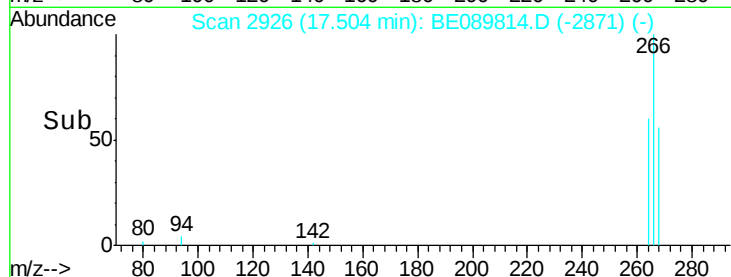
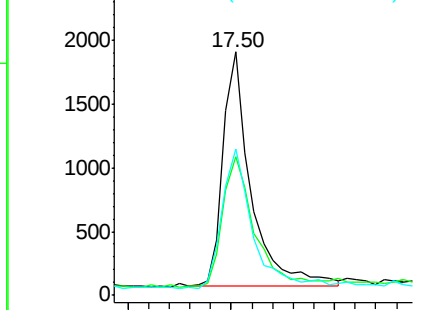


Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#16
 Phenanthrene
 Concen: 0.70 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

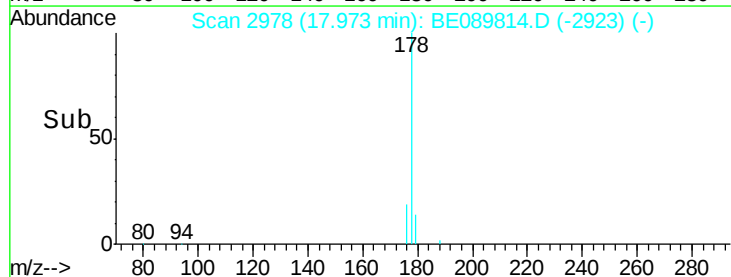
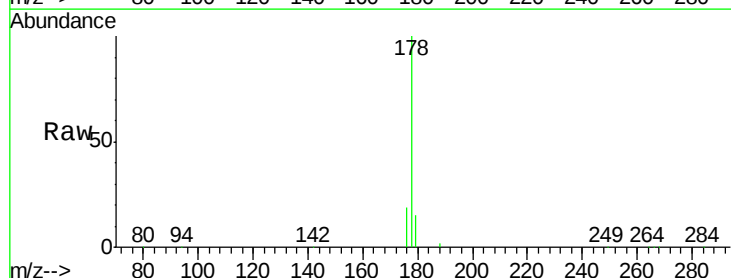
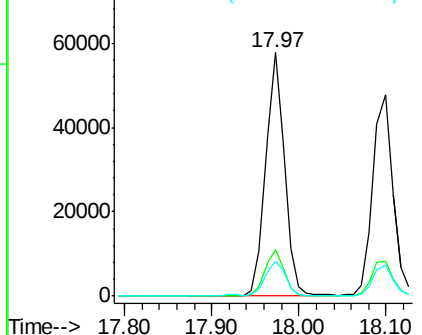
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.2	18.4

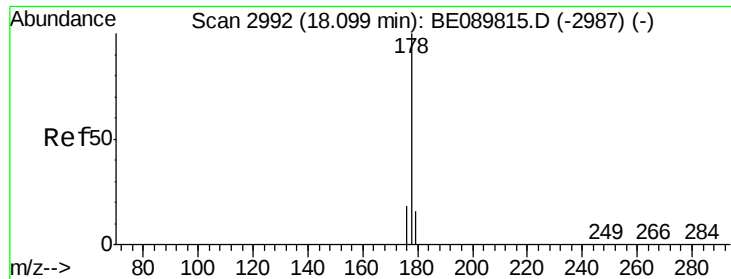
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





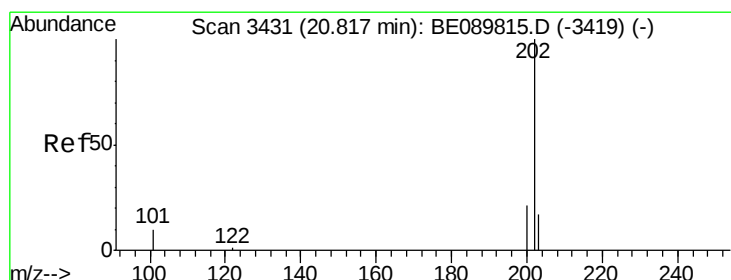
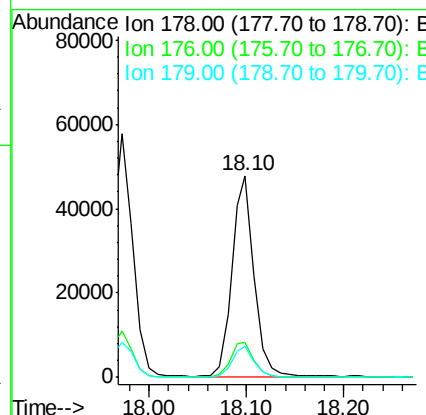
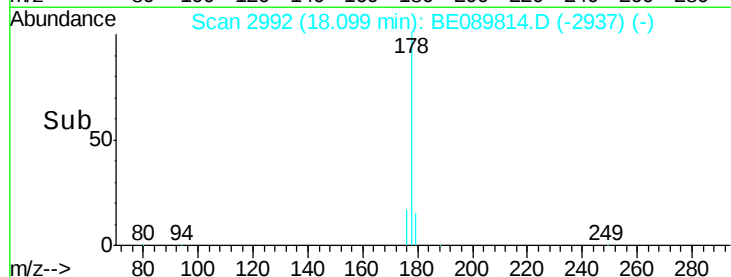
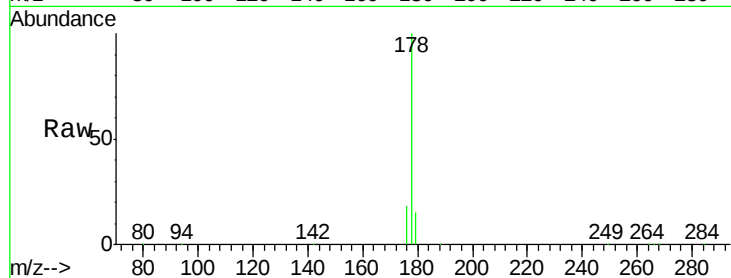
#17
 Anthracene
 Concen: 0.71 ng
 RT: 18.10 min Scan# 2992
 Delta R.T. -0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.3	12.1	18.1

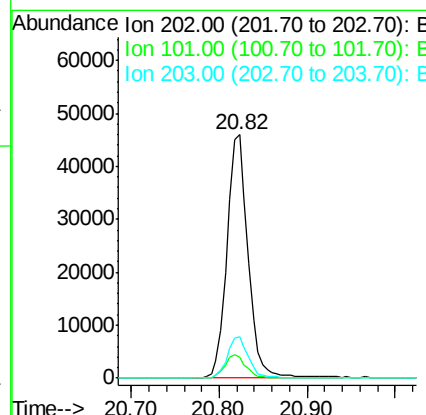
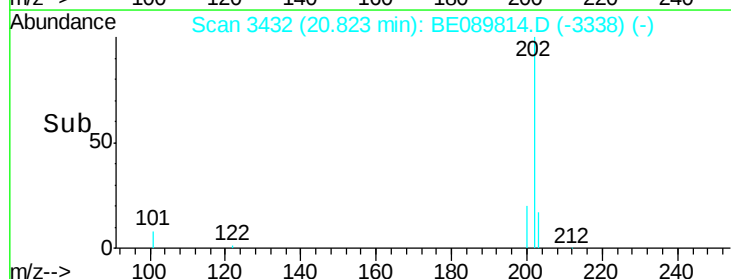
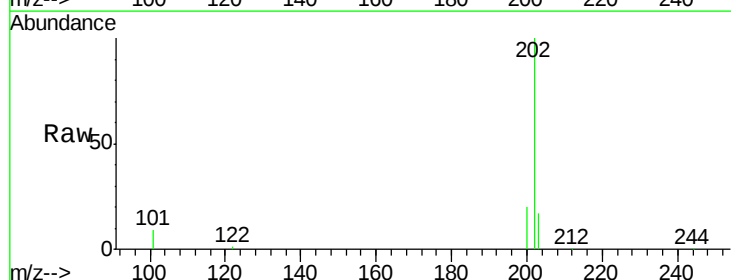
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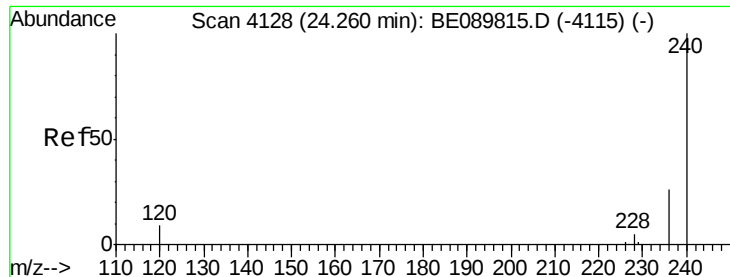
mohammad
 3/25/2015 5:43:33 PM



#18
 Fluoranthene
 Concen: 0.78 ng
 RT: 20.82 min Scan# 3432
 Delta R.T. 0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	8.2	12.2
203	16.8	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

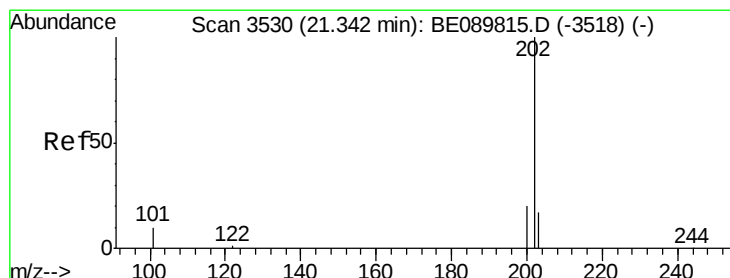
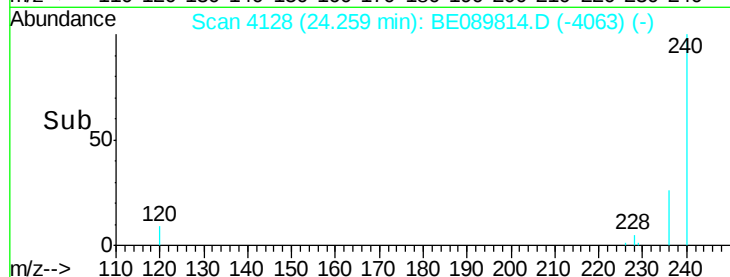
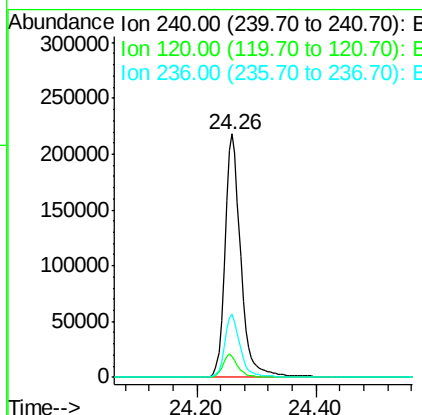
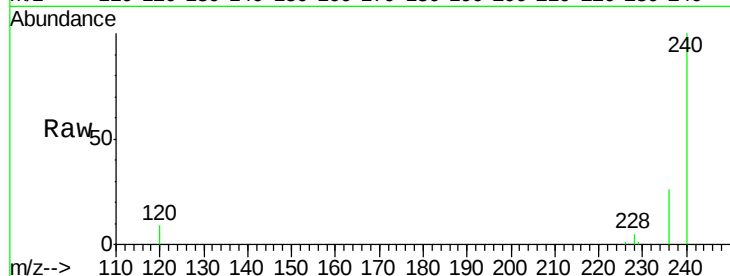
ClientSampleId :

SSTDIC0.8

Tgt	Ion	240	Resp:	403320
Ion	Ratio	Lower	Upper	
240	100			
120	8.8	7.5	11.3	
236	26.0	20.5	30.7	

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#20

Pyrene

Concen: 0.58 ng

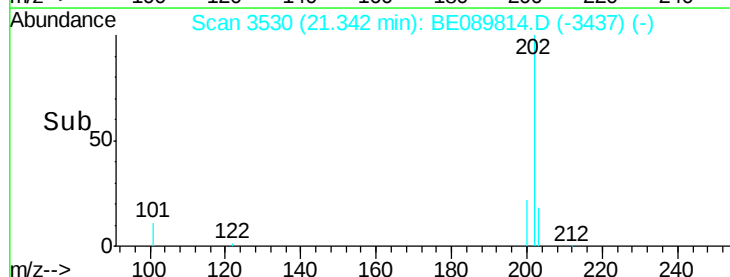
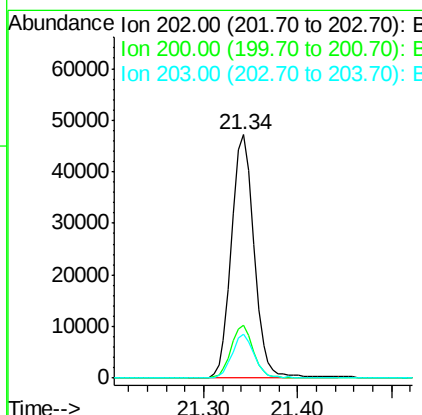
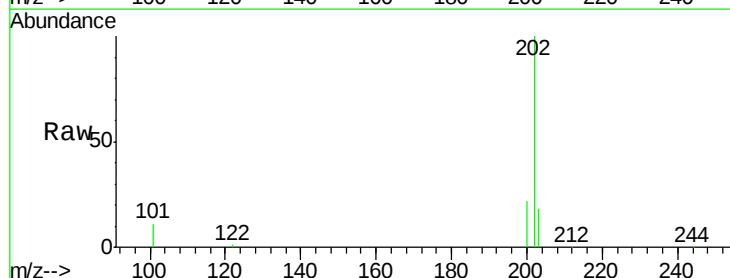
RT: 21.34 min Scan# 3530

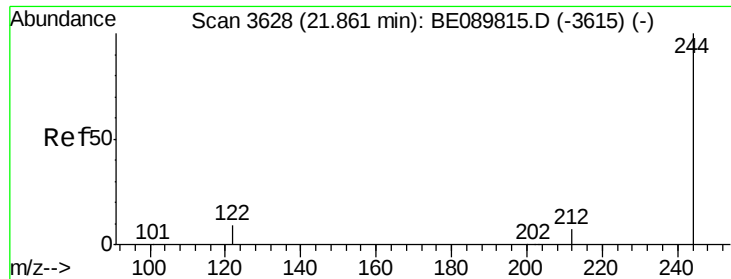
Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Tgt	Ion	202	Resp:	78094
Ion	Ratio	Lower	Upper	
202	100			
200	21.0	15.9	23.9	
203	17.4	13.6	20.4	





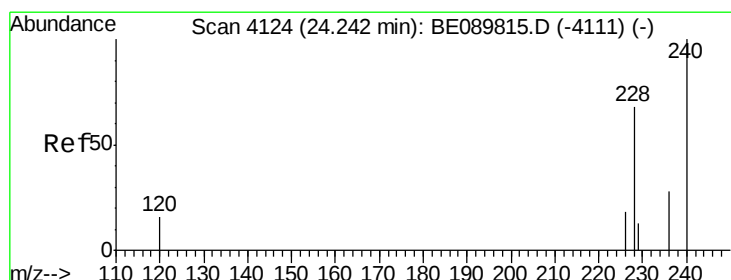
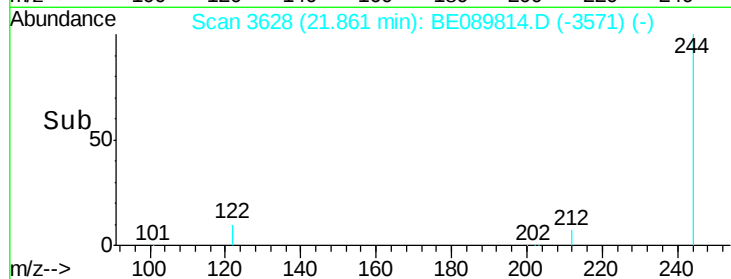
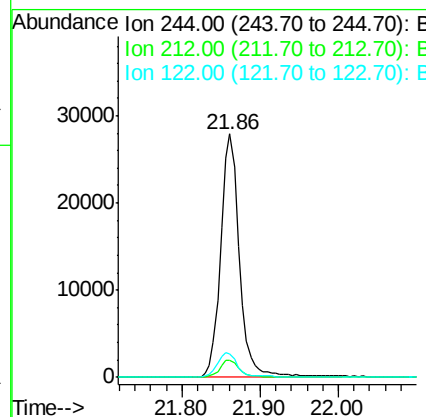
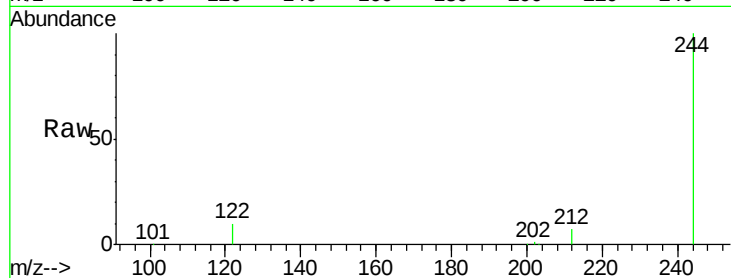
#21
 Terphenyl-d14
 Concen: 0.83 ng
 RT: 21.86 min Scan# 3628
 Delta R.T. 0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	7.3	10.9#
122	9.9	10.5	15.7#

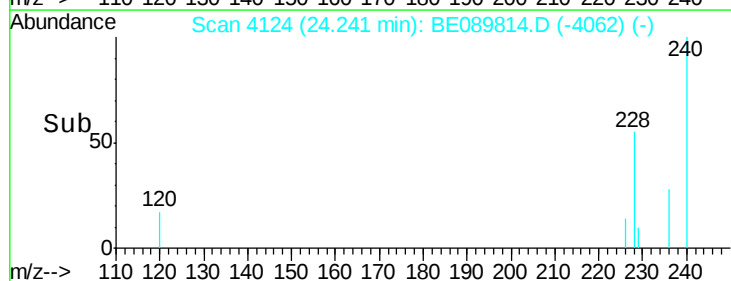
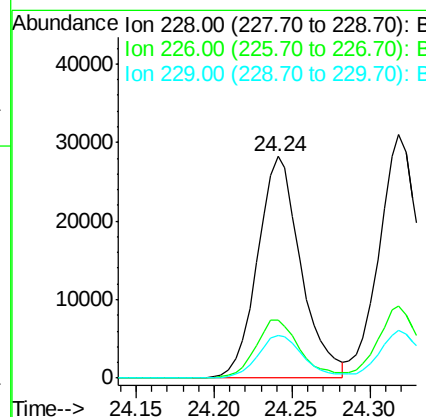
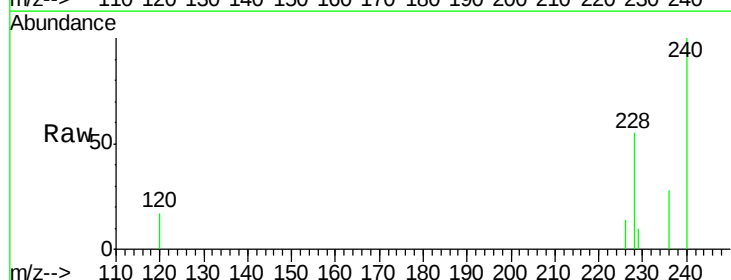
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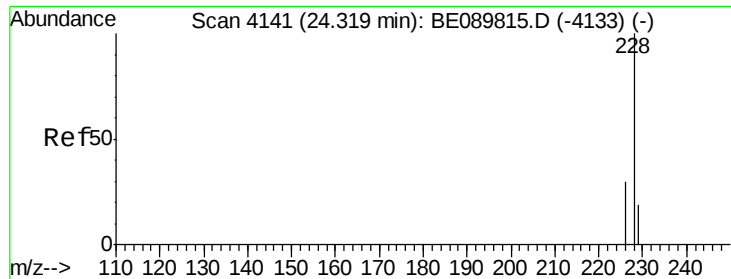
mohammad
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#22
 Benzo(a)anthracene
 Concen: 0.25 ng
 RT: 24.24 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	19.8	29.8
229	19.1	16.3	24.5





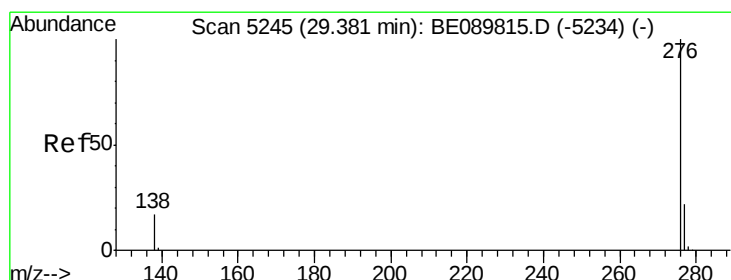
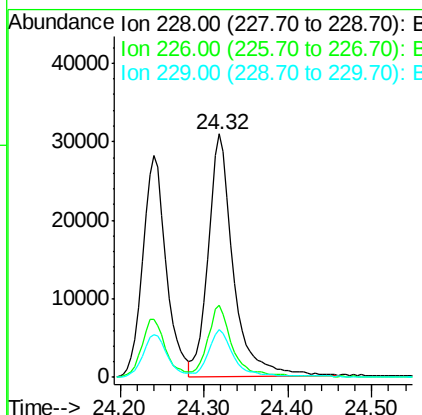
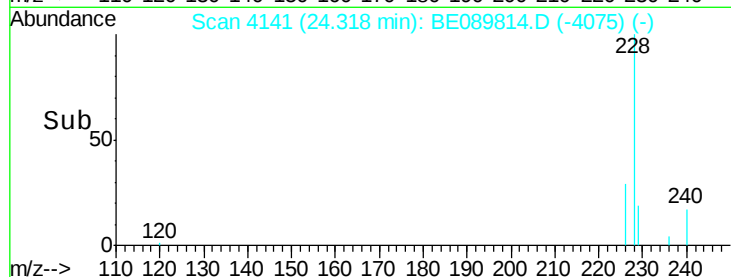
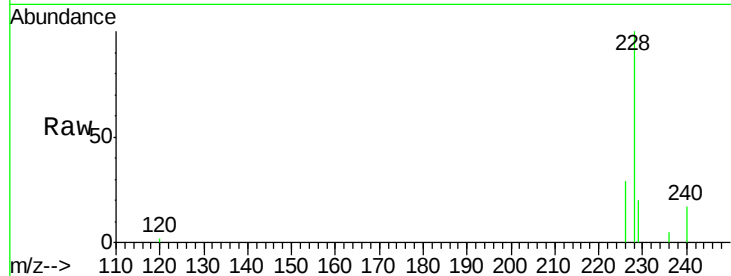
#23
Chrysene
Concen: 0.17 ng
RT: 24.32 min Scan# 4141
Delta R.T. 0.00 min
Lab File: BE089814.D
Acq: 24 Mar 2015 14:07

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion:	228	Resp:	63325
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.0	34.4
229	19.6	15.8	23.6

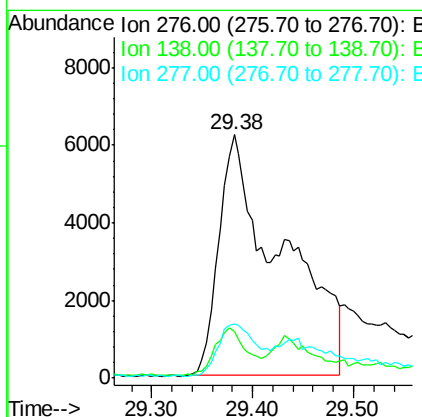
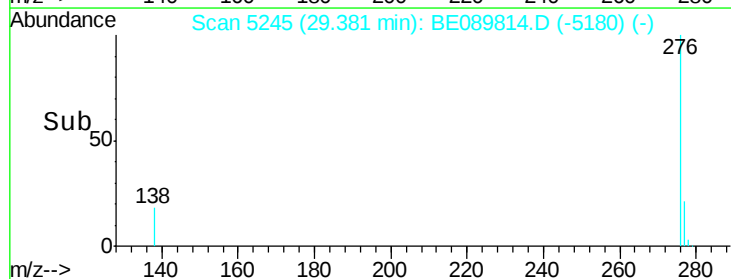
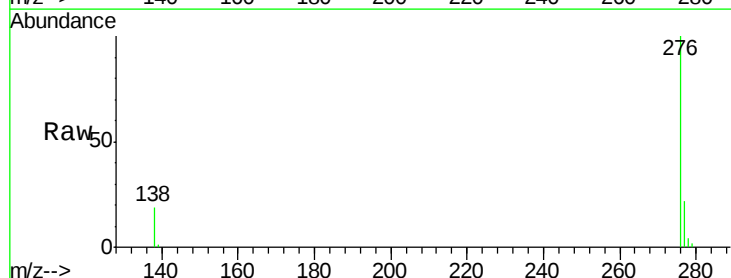
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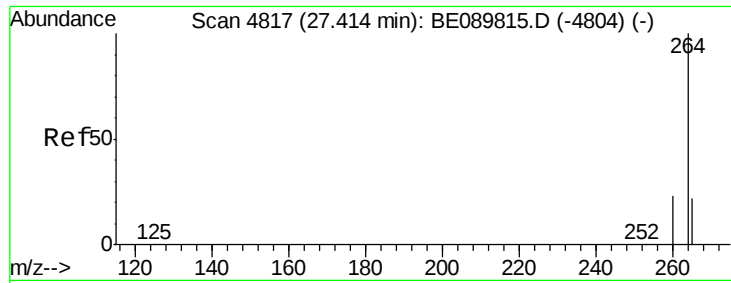
mohammad
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng m
RT: 29.38 min Scan# 5245
Delta R.T. -0.00 min
Lab File: BE089814.D
Acq: 24 Mar 2015 14:07

Tgt Ion:	276	Resp:	26769
Ion Ratio	Lower	Upper	
276	100		
138	10.1	4.3	6.5#
277	13.6	9.0	13.4#





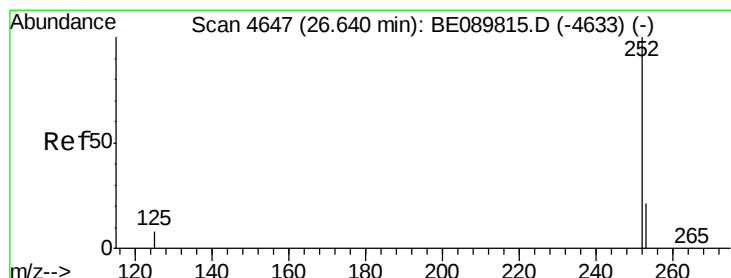
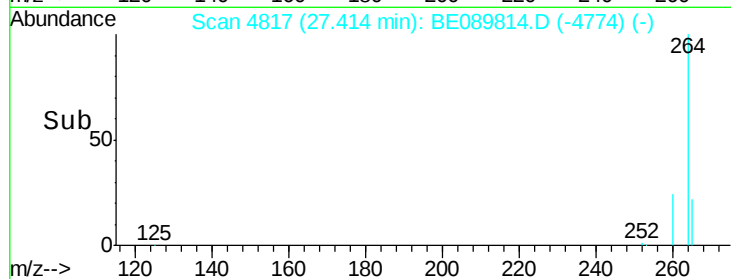
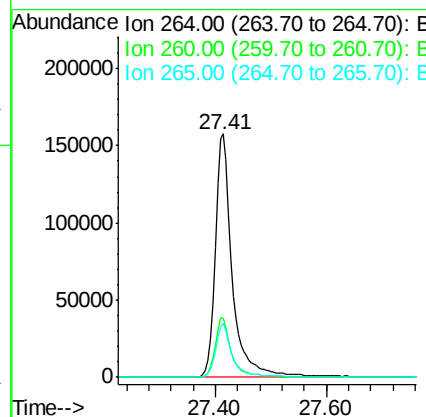
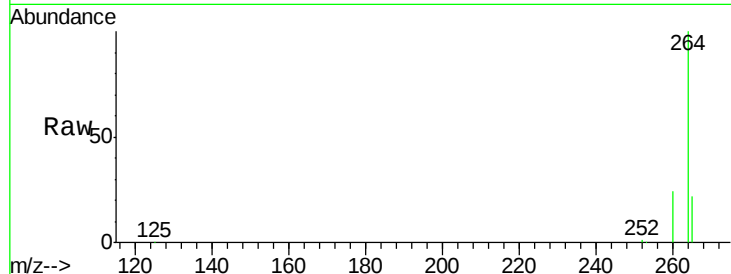
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. -0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	22.0	17.3	25.9

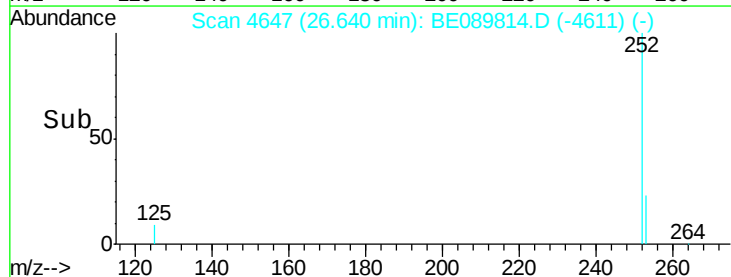
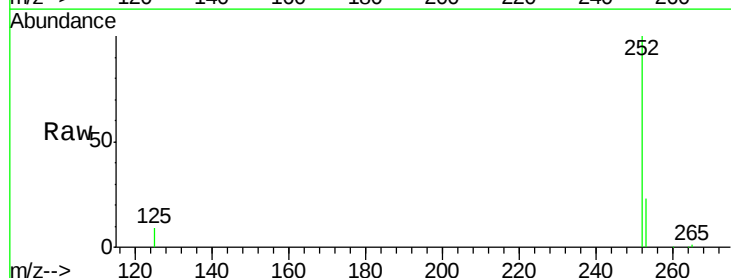
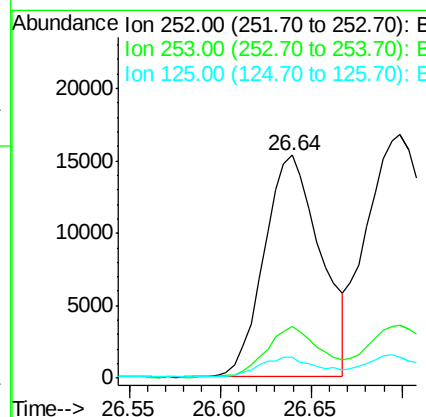
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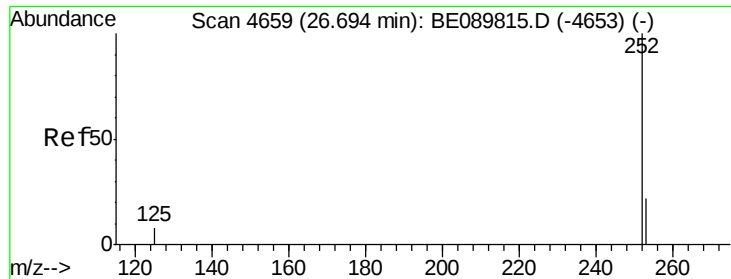
mohammad
 3/25/2015 5:43:33 PM



#26
 Benzo(b)fluoranthene
 Concen: 1.20 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.00 min
 Lab File: BE089814.D
 Acq: 24 Mar 2015 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	9.2	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 0.74 ng m

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

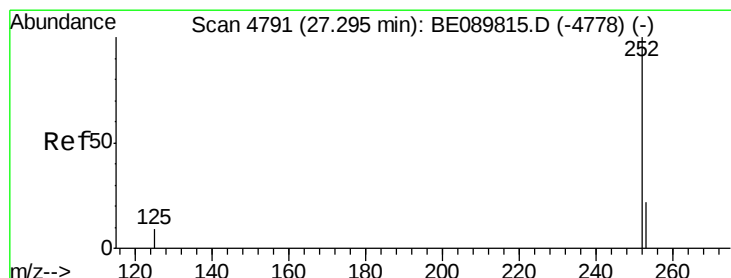
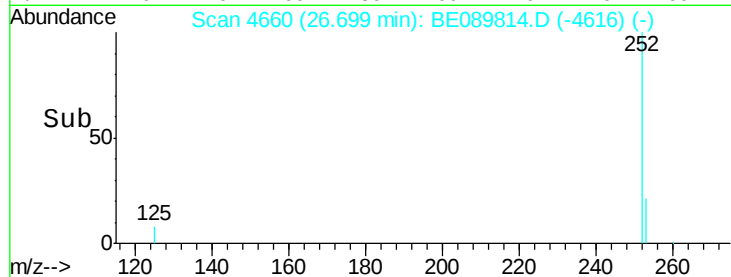
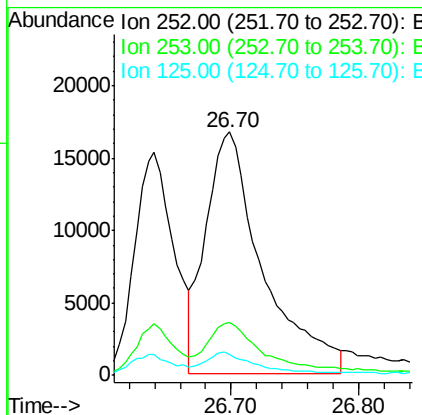
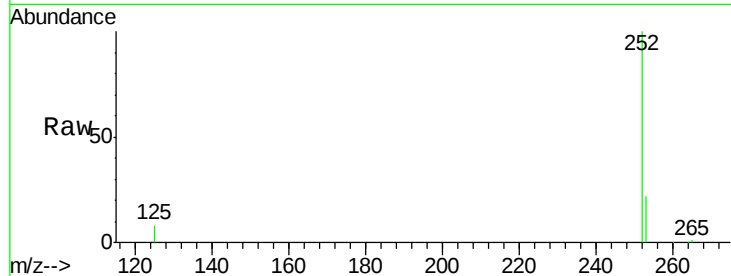
ClientSampleId :

SSTDIC0.8

Tgt Ion:	252	Resp:	52003
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.6	28.0
125	8.5	10.8	16.2#

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#28

Benzo(a)pyrene

Concen: 1.00 ng m

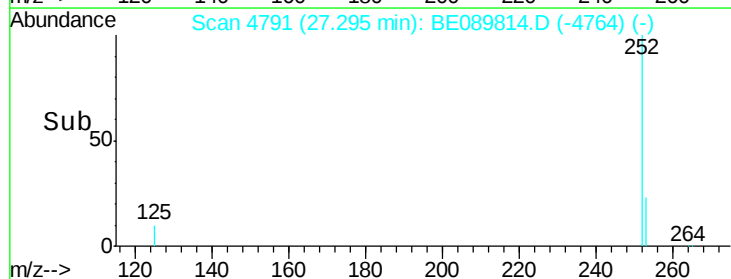
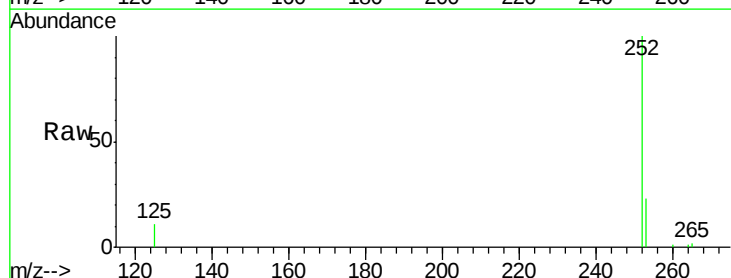
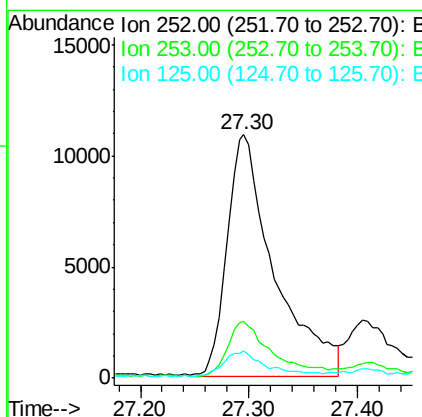
RT: 27.30 min Scan# 4791

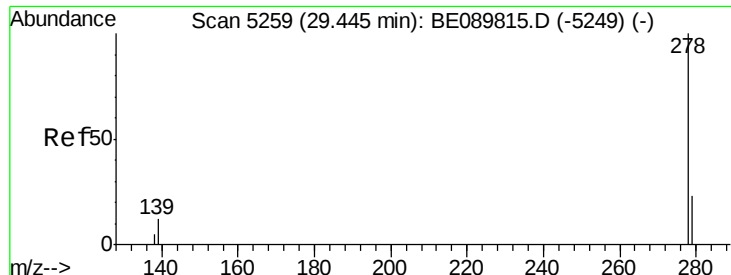
Delta R.T. -0.01 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Tgt Ion:	252	Resp:	32801
Ion Ratio	Lower	Upper	
252	100		
253	23.4	21.0	31.4
125	11.1	13.3	19.9#





#29

Dibenzo(a,h)anthracene

Concen: 1.16 ng

RT: 29.44 min Scan# 5258

Delta R.T. -0.00 min

Lab File: BE089814.D

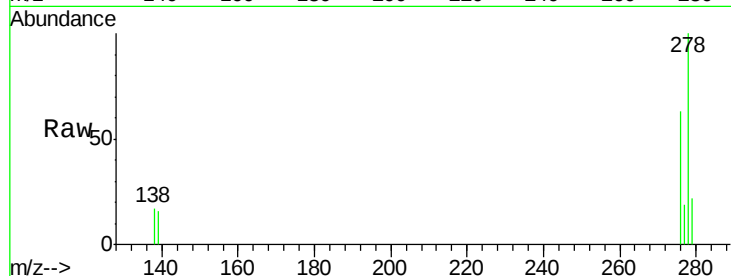
Acq: 24 Mar 2015 14:07

Instrument :

BNA_E

ClientSampleId :

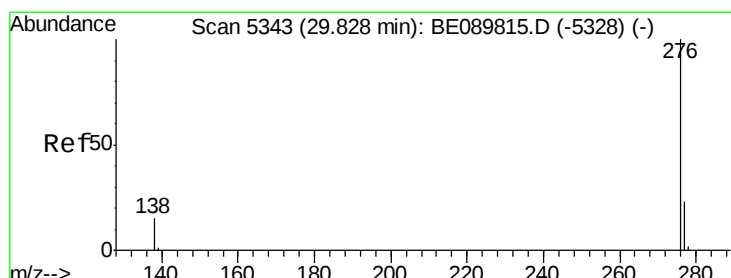
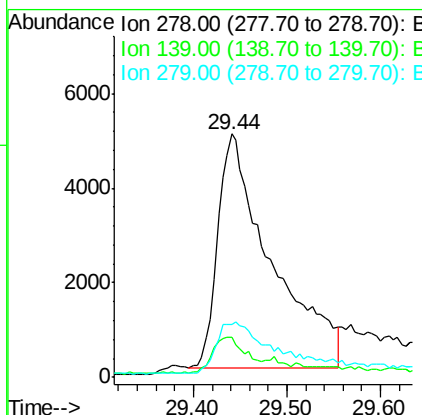
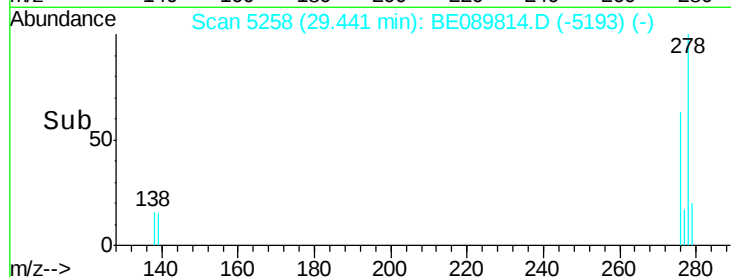
SSTDIC0.8



Tgt Ion:	278	Resp:	19719
Ion Ratio	Lower	Upper	
278	100		
139	16.3	20.0	30.0#
279	21.7	28.9	43.3#

Manual Integrations
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3/25/2015 5:43:33 PM



#30

Benzo(g,h,i)perylene

Concen: 0.29 ng

RT: 29.83 min Scan# 5343

Delta R.T. 0.01 min

Lab File: BE089814.D

Acq: 24 Mar 2015 14:07

Tgt Ion:	276	Resp:	37741
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.2	28.8
138	16.4	22.9	34.3#

