

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089815.D
 Acq On : 24 Mar 2015 14:49
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Manual Integrations
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Quant Time: Mar 24 15:33:34 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 14:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	152830	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	633172	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	320706	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	535559	5.00	ng	0.00
19) Chrysene-d12	24.26	240	432336	5.00	ng	0.00
25) Perylene-d12	27.41	264	364287	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	30534	0.91	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	72755	0.97	ng	0.00
21) Terphenyl-d14	21.86	244	61029	0.92	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.49	88	19336	0.86	ng	93
3) n-Nitrosodimethylamine	2.92	42	27791	1.02	ng	# 90
6) Naphthalene	10.31	128	120366	0.92	ng	96
7) 2-Methylnaphthalene	11.93	142	71928	1.10	ng	98
10) Acenaphthylene	14.04	152	439510	0.97	ng	98
11) Acenaphthene	14.46	154	66890	0.92	ng	86
12) Fluorene	15.70	166	81690	0.94	ng	94
14) Hexachlorobenzene	16.98	284	16948	0.91	ng	98
15) Pentachlorophenol	17.50	266	3717	0.03	ng	95
16) Phenanthrene	17.97	178	111118	0.91	ng	100
17) Anthracene	18.10	178	101407	0.98	ng	100
18) Fluoranthene	20.82	202	99090	0.98	ng	98
20) Pyrene	21.34	202	104223	0.89	ng	99
22) Benzo(a)anthracene	24.24	228	74533	0.94	ng	98
23) Chrysene	24.32	228	86448	0.97	ng	98
24) Indeno(1,2,3-cd)pyrene	29.38	276	43574m	1.32	ng	
26) Benzo(b)fluoranthene	26.64	252	48970	1.10	ng	97
27) Benzo(k)fluoranthene	26.69	252	74238m	1.10	ng	
28) Benzo(a)pyrene	27.30	252	47284	1.14	ng	# 89
29) Dibenzo(a,h)anthracene	29.45	278	37091	1.78	ng	# 78
30) Benzo(g,h,i)perylene	29.83	276	55462	1.27	ng	# 86

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

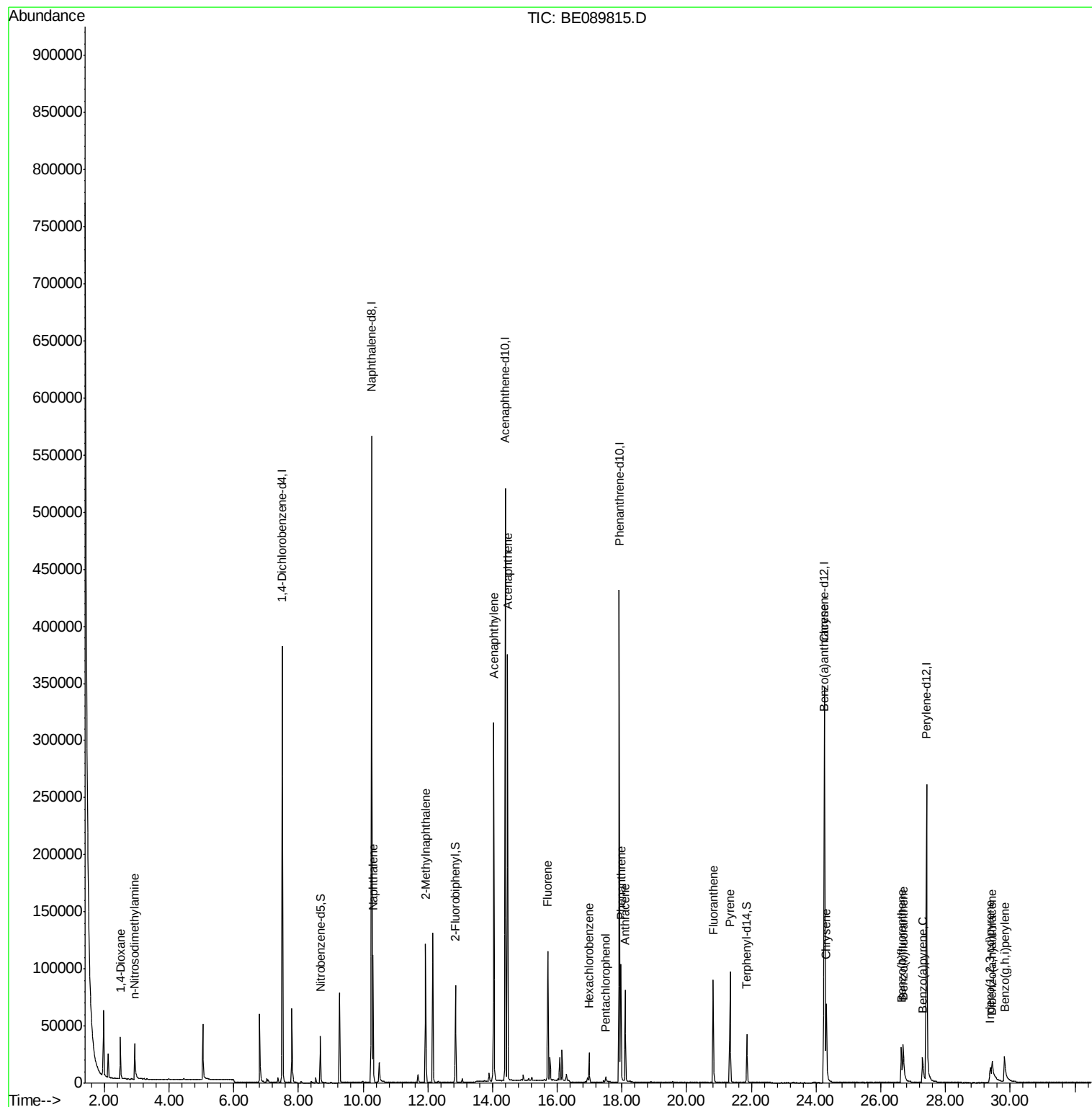
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089815.D
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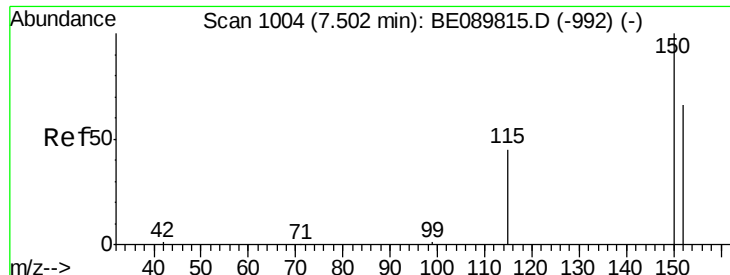
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089815.D

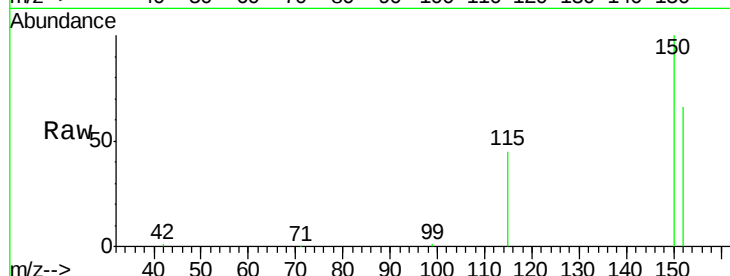
Acq: 24 Mar 2015 14:49

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion: 152 Resp: 152830

Ion Ratio Lower Upper

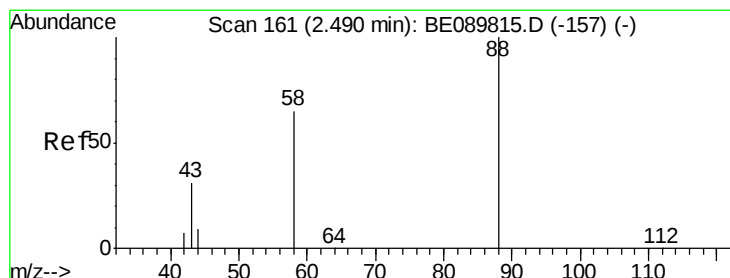
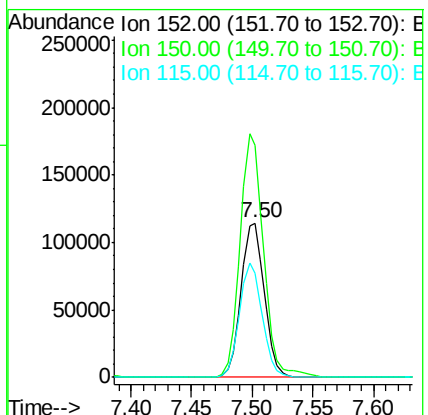
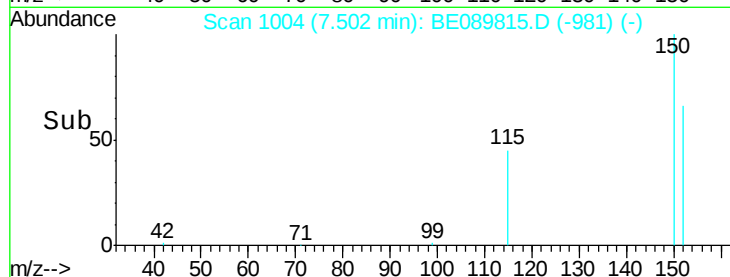
152 100

150 151.0 125.5 188.3

115 67.6 58.0 87.0

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#2

1,4-Dioxane

Concen: 0.86 ng

RT: 2.49 min Scan# 161

Delta R.T. -0.03 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

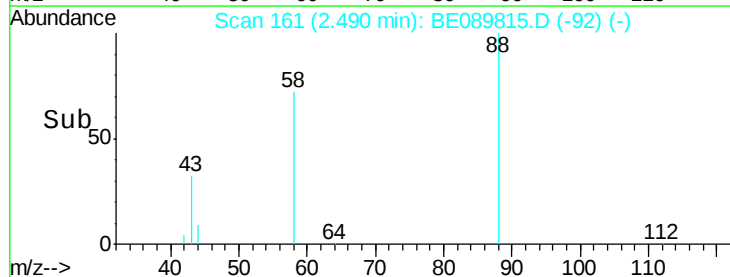
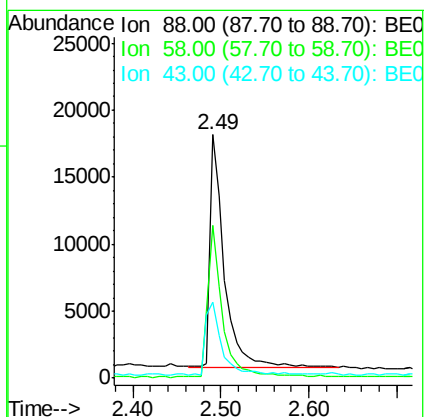
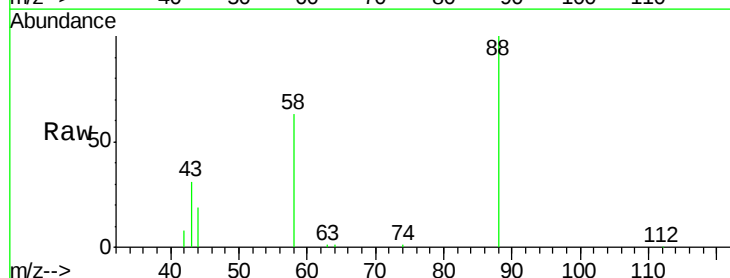
Tgt Ion: 88 Resp: 19336

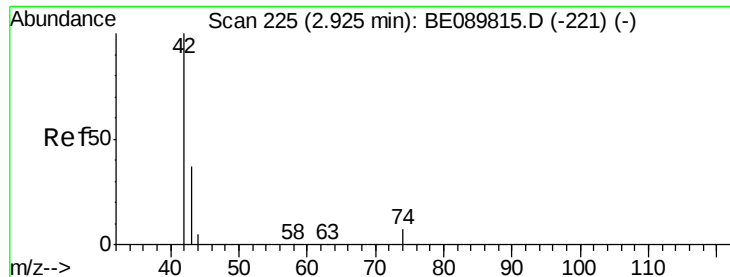
Ion Ratio Lower Upper

88 100

58 68.1 48.6 72.8

43 34.4 28.6 43.0





#3

n-Nitrosodimethylamine

Concen: 1.02 ng

RT: 2.92 min Scan# 225

Delta R.T. -0.07 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Instrument :

BNA_E

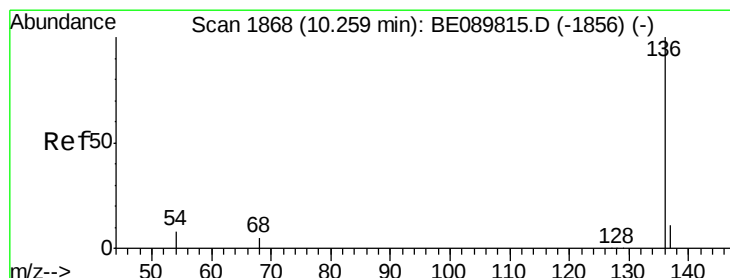
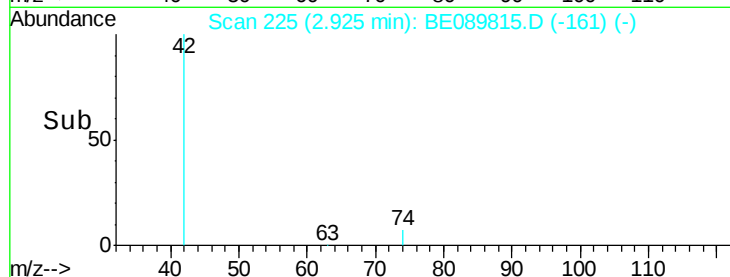
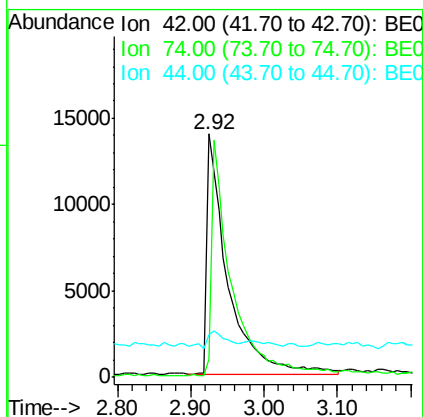
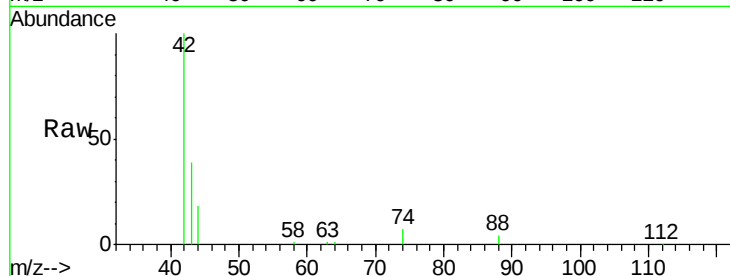
ClientSampleId :

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Tgt Ion:	42	Resp:	27791
Ion Ratio	Lower	Upper	
42	100		
74	95.1	68.7	103.1
44	6.2	6.2	9.4#

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#4

Naphthalene-d8

Concen: 5.00 ng

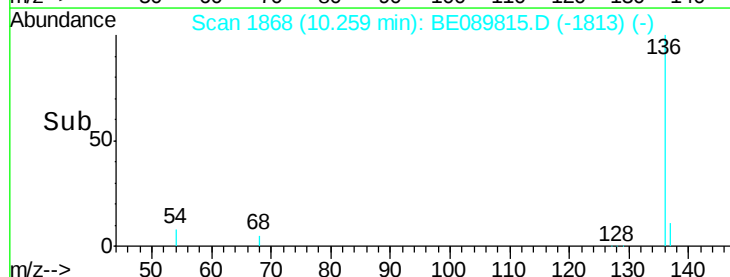
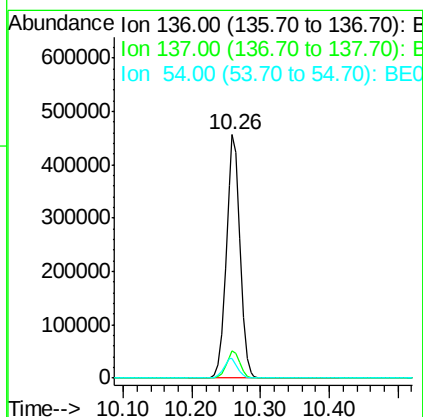
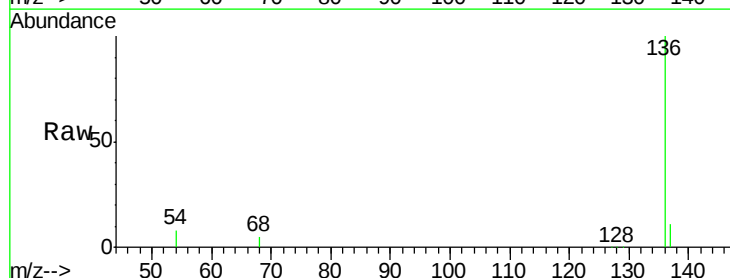
RT: 10.26 min Scan# 1868

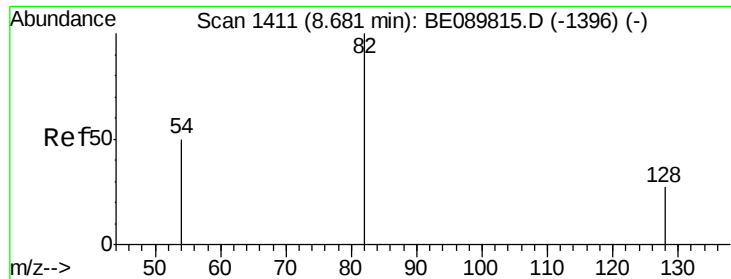
Delta R.T. 0.00 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Tgt Ion:	136	Resp:	633172
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	8.0	7.0	10.4





#5

Nitrobenzene-d5

Concen: 0.91 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089815.D

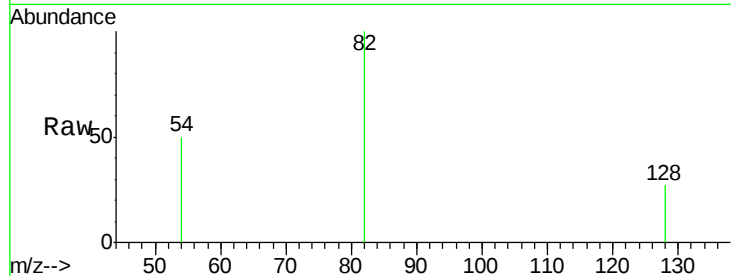
Acq: 24 Mar 2015 14:49

Instrument :

BNA_E

ClientSampleId :

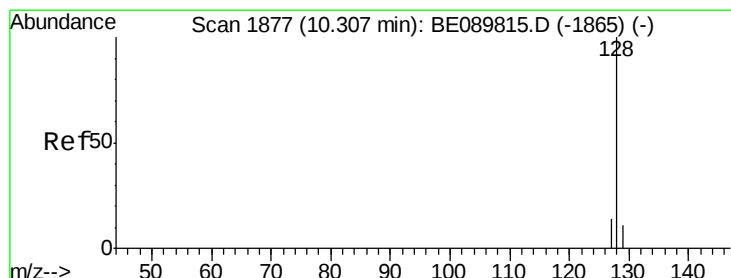
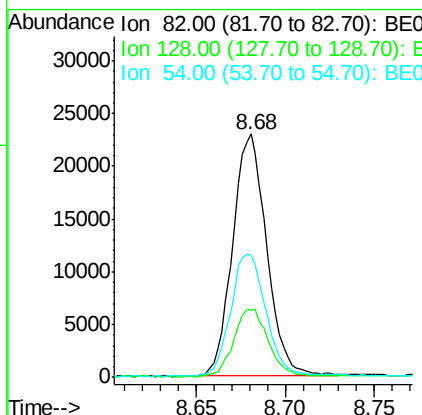
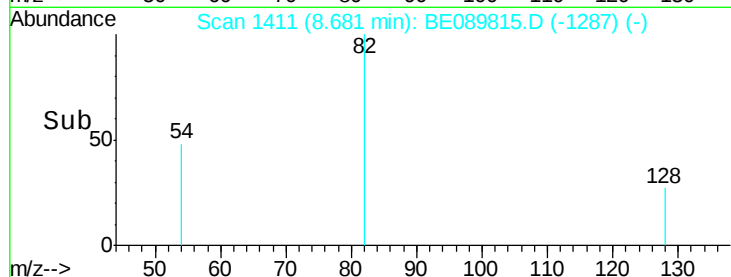
SSTDICCC001



Tgt Ion:	82	Resp:	30534
Ion Ratio	Lower	Upper	
82	100		
128	27.4	24.6	37.0
54	50.0	43.0	64.6

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#6

Naphthalene

Concen: 0.92 ng

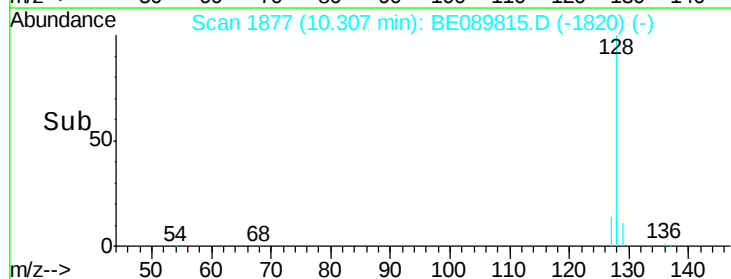
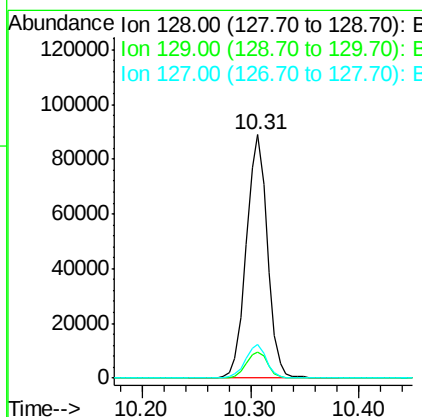
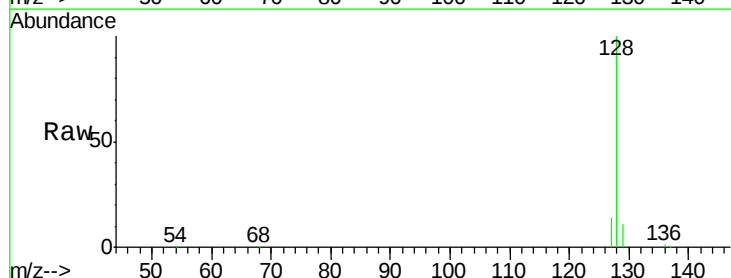
RT: 10.31 min Scan# 1877

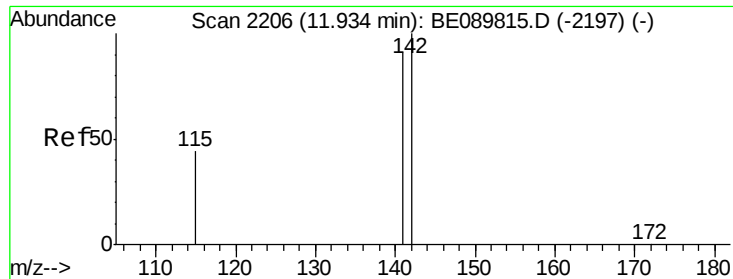
Delta R.T. 0.00 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Tgt Ion:	128	Resp:	120366
Ion Ratio	Lower	Upper	
128	100		
129	10.8	10.0	15.0
127	13.7	12.5	18.7





#7

2-Methylnaphthalene

Concen: 1.10 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Instrument :

BNA_E

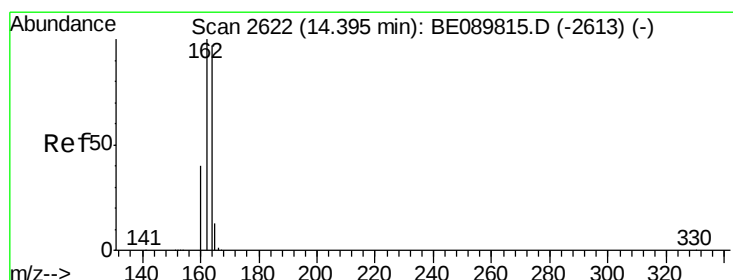
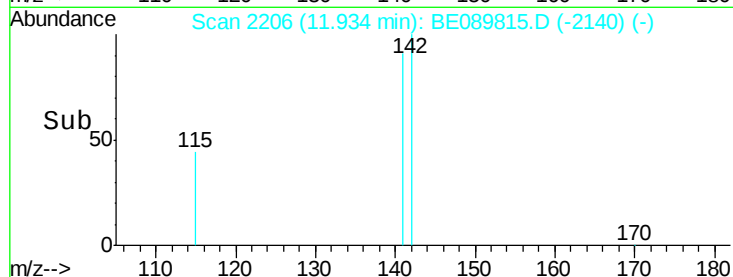
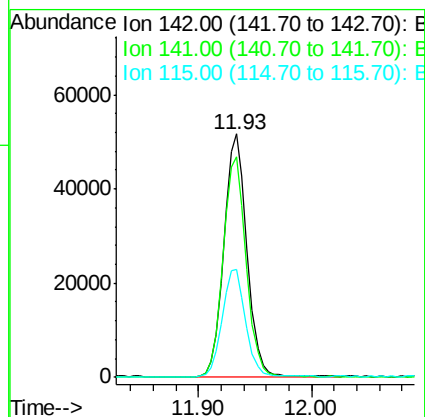
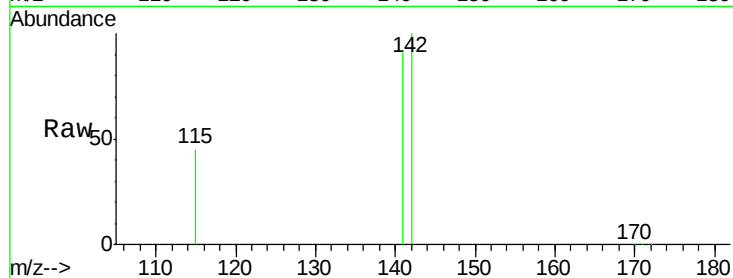
ClientSampleId :

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Tgt Ion:	142	Resp:	71928
Ion Ratio	Lower	Upper	
142	100		
141	90.8	72.8	109.2
115	44.5	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

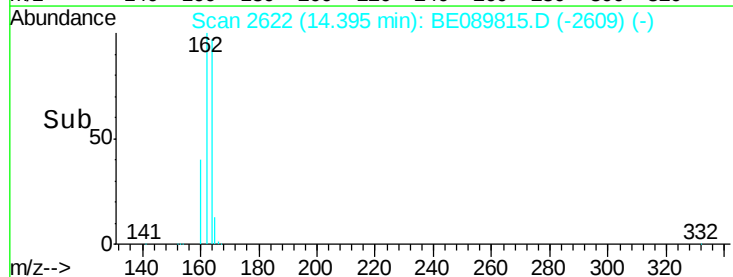
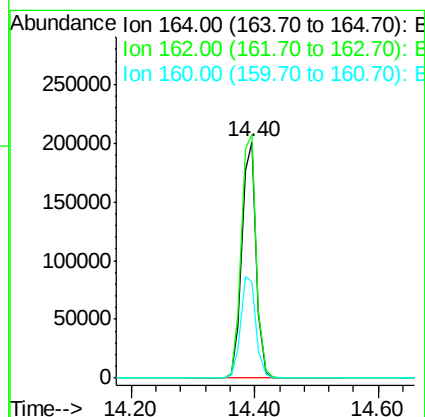
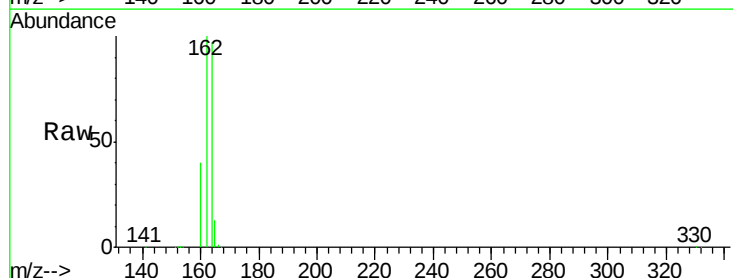
RT: 14.40 min Scan# 2622

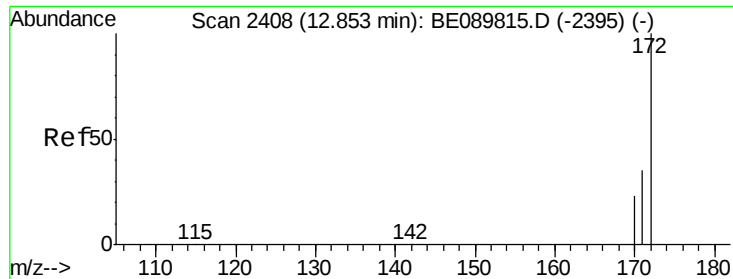
Delta R.T. 0.01 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Tgt Ion:	164	Resp:	320706
Ion Ratio	Lower	Upper	
164	100		
162	103.1	87.6	131.4
160	40.9	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 0.97 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089815.D

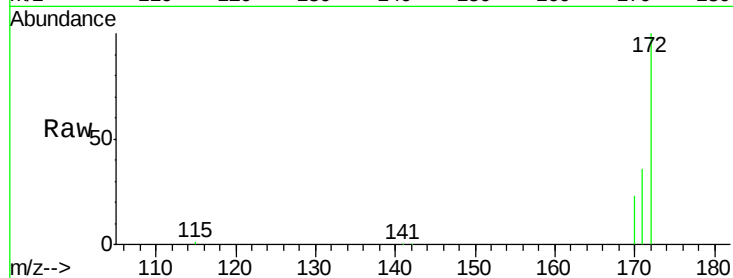
Acq: 24 Mar 2015 14:49

Instrument :

BNA_E

ClientSampleId :

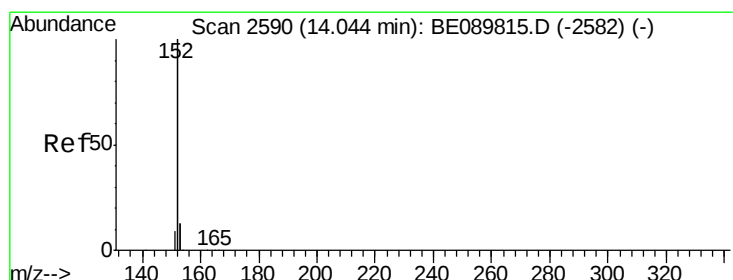
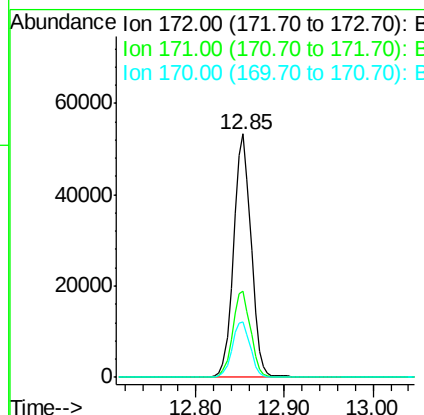
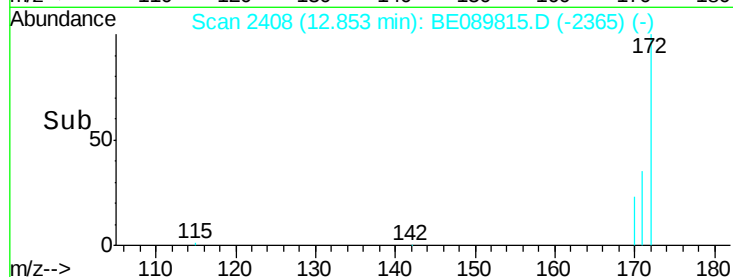
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Tgt Ion:	172	Resp:	72755
Ion Ratio	Lower	Upper	
172	100		
171	35.5	30.8	46.2
170	22.8	21.0	31.4

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#10

Acenaphthylene

Concen: 0.97 ng

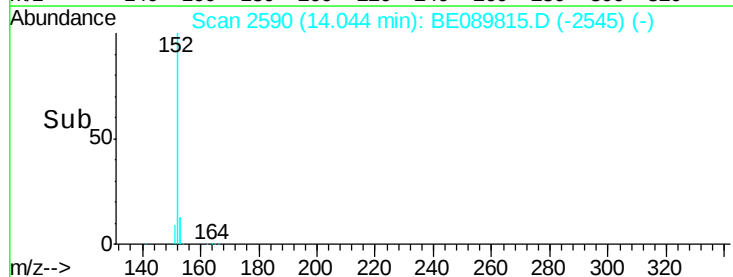
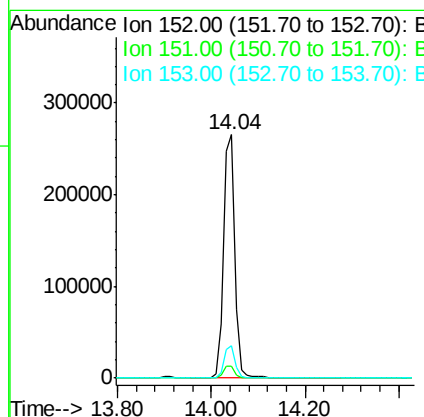
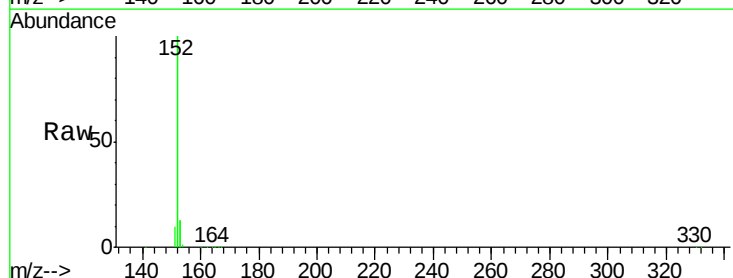
RT: 14.04 min Scan# 2590

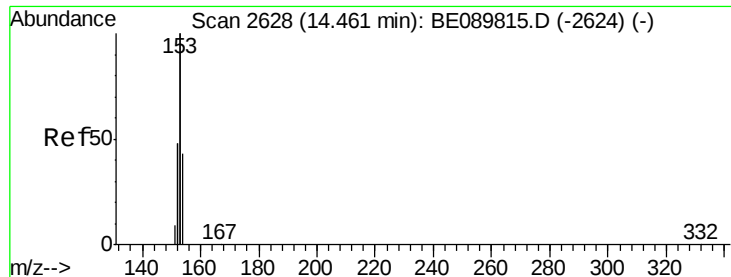
Delta R.T. -0.00 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Tgt Ion:	152	Resp:	439510
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	12.8	11.0	16.4





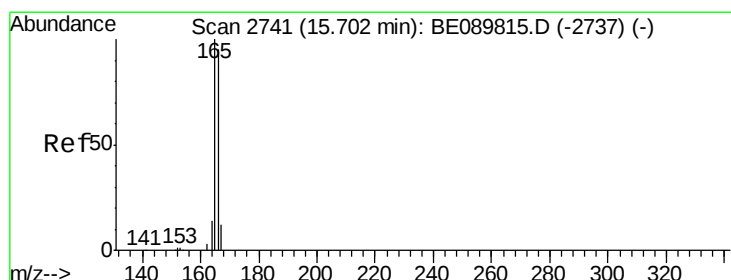
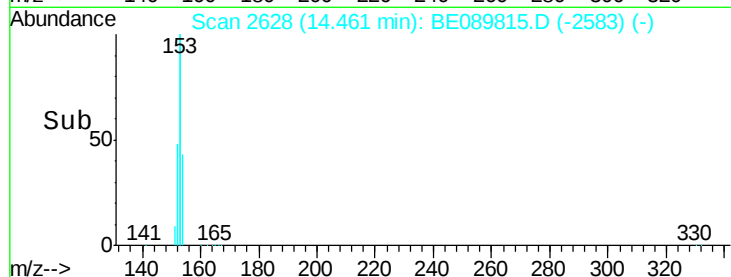
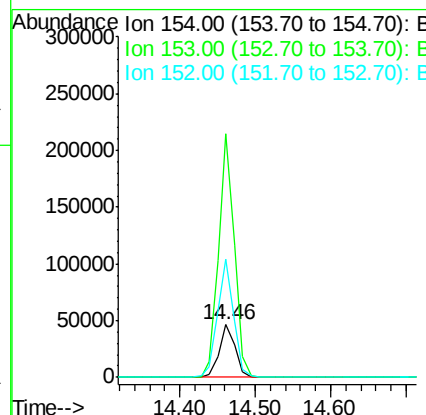
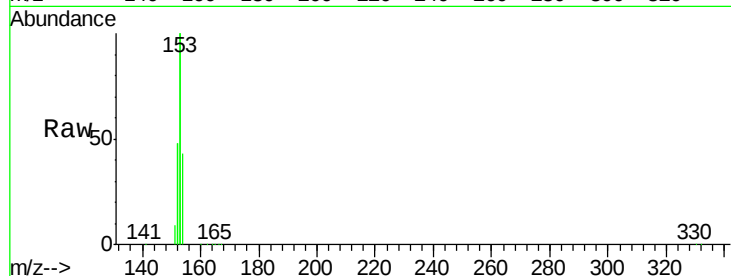
#11
Acenaphthene
Concen: 0.92 ng
RT: 14.46 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BE089815.D
Acq: 24 Mar 2015 14:49

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	461.7	401.5	602.3
152	223.5	198.6	298.0

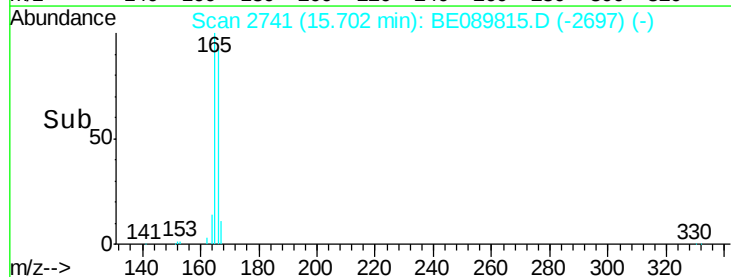
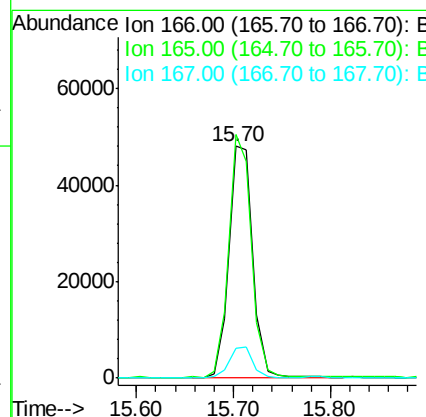
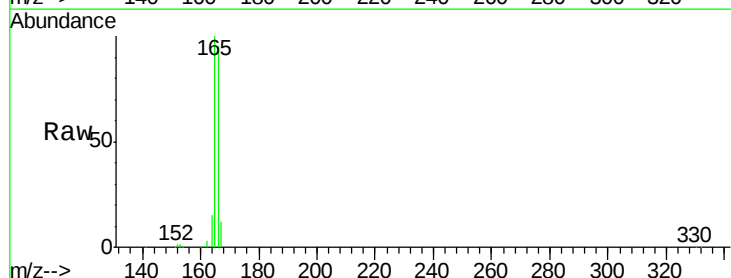
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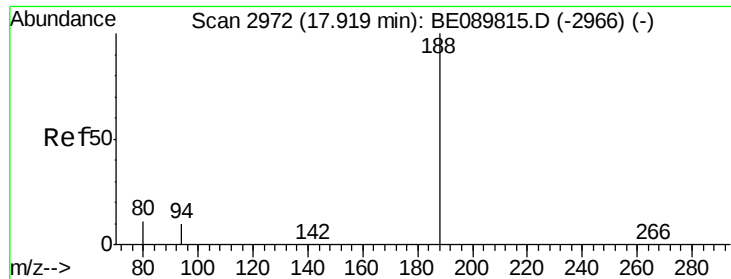
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#12
Fluorene
Concen: 0.94 ng
RT: 15.70 min Scan# 2741
Delta R.T. -0.01 min
Lab File: BE089815.D
Acq: 24 Mar 2015 14:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	85.1	127.7
167	12.9	12.2	18.4





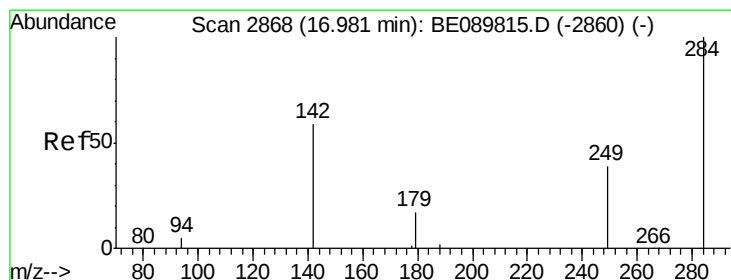
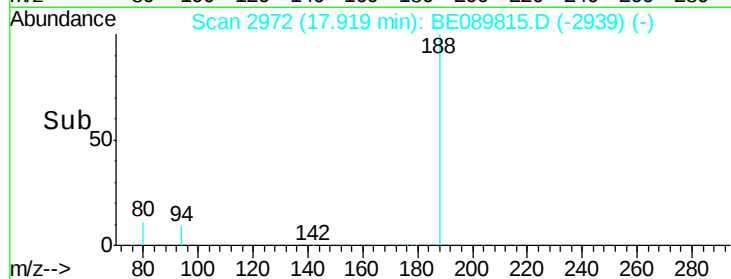
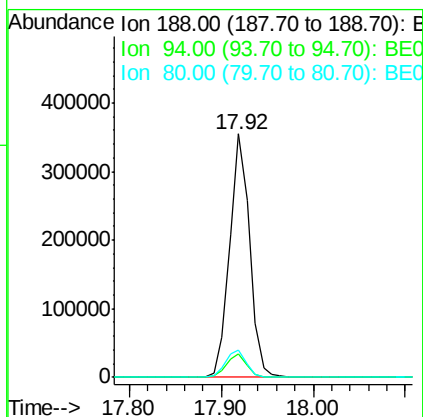
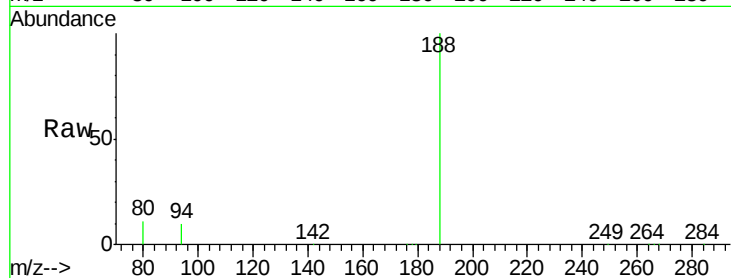
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089815.D
Acq: 24 Mar 2015 14:49

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.5	8.5	12.7
80	11.4	10.0	15.0

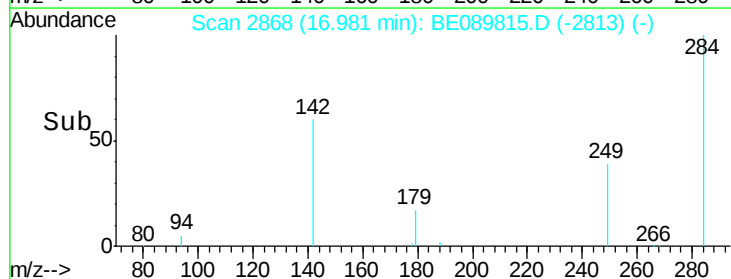
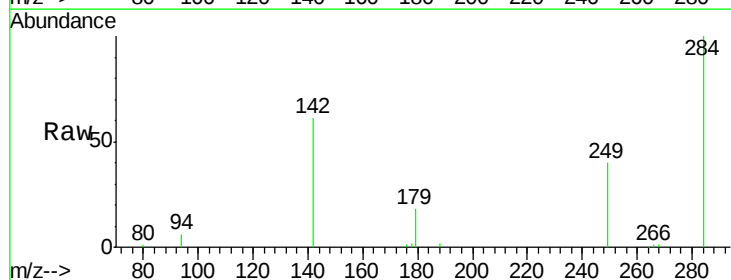
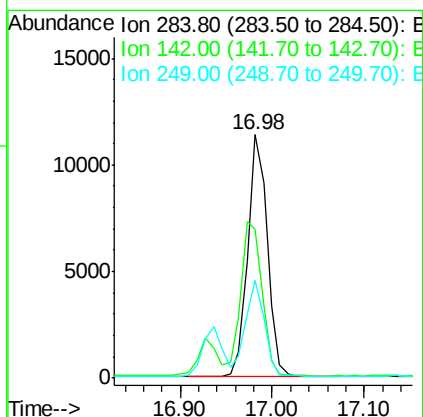
Manual Integrations
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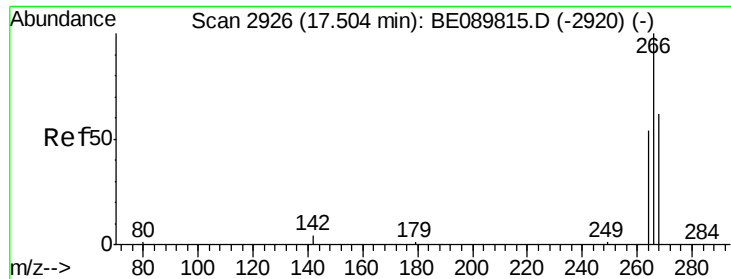
mohammad
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#14
Hexachlorobenzene
Concen: 0.91 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089815.D
Acq: 24 Mar 2015 14:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	69.2	53.3	79.9
249	38.8	31.1	46.7





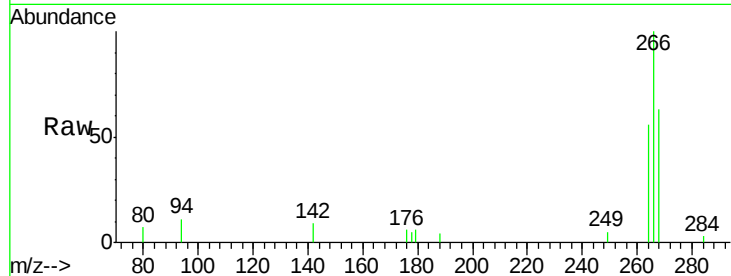
#15
 Pentachlorophenol
 Concen: 0.03 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. -0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

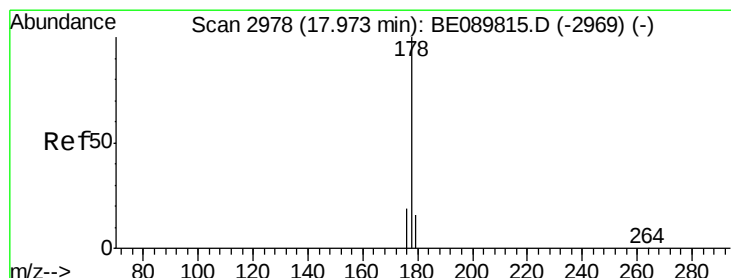
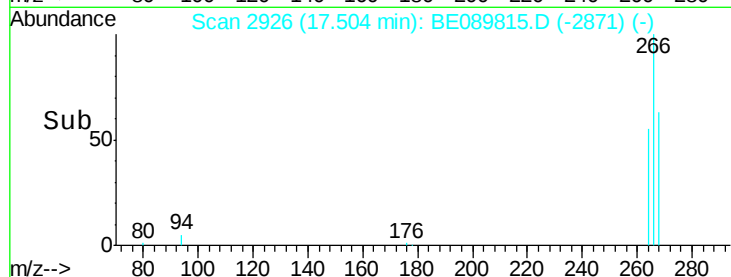
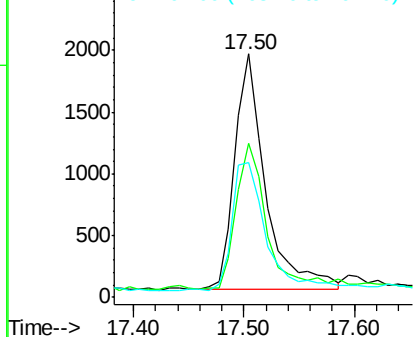
Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.6	77.4
264	55.6	50.2	75.2

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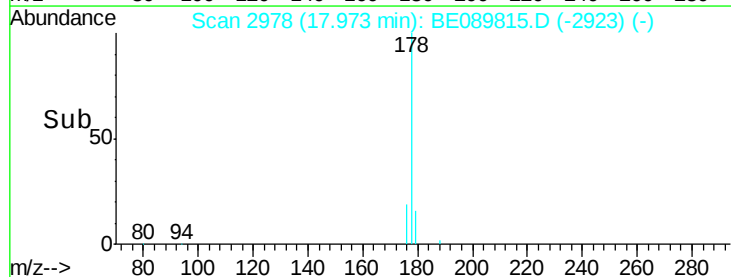
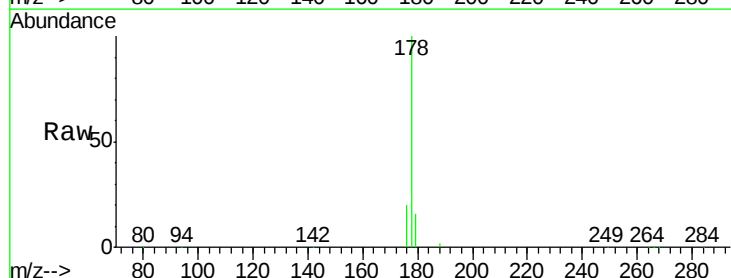
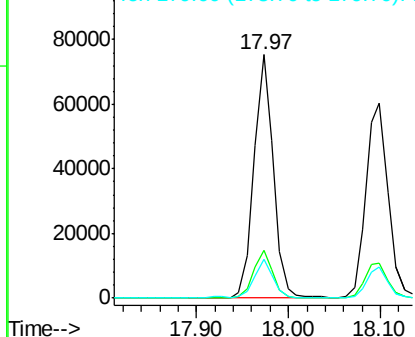
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

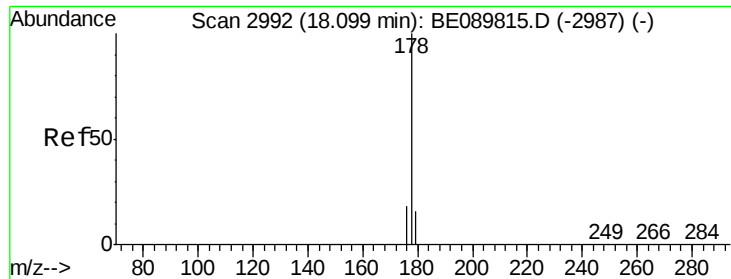


#16
 Phenanthrene
 Concen: 0.91 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.1	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





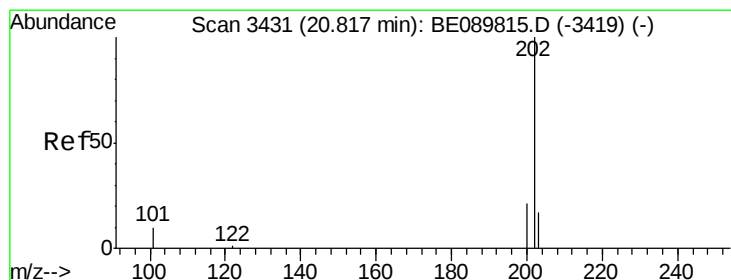
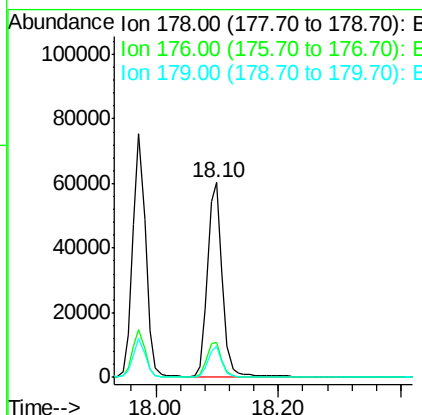
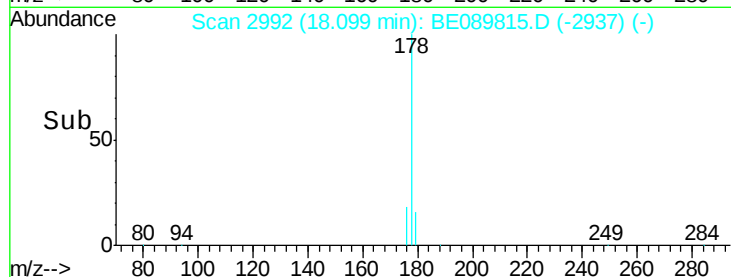
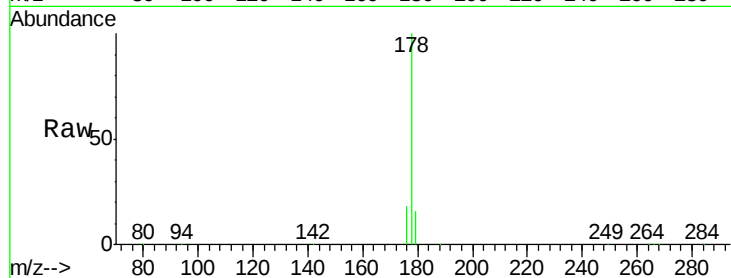
#17
 Anthracene
 Concen: 0.98 ng
 RT: 18.10 min Scan# 2992
 Delta R.T. -0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1CCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.1	12.1	18.1

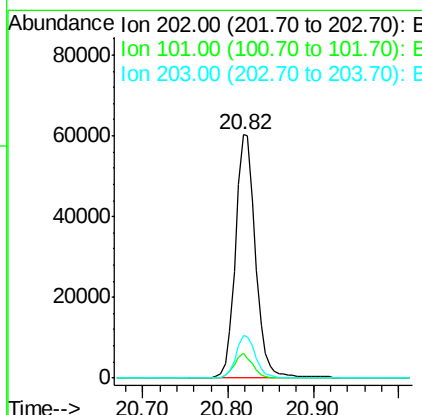
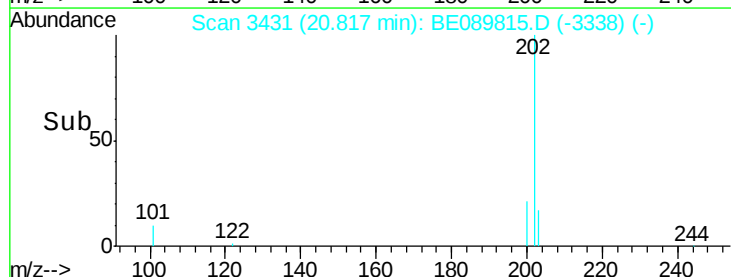
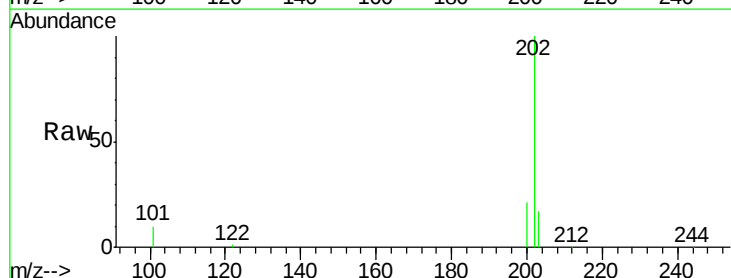
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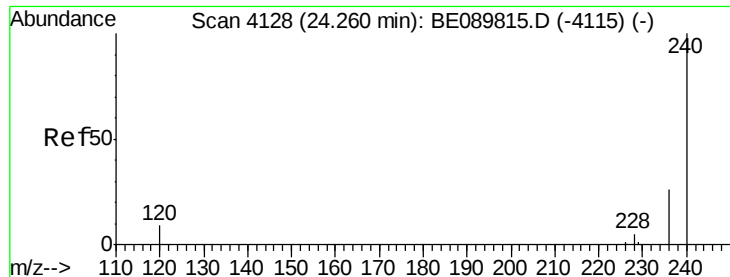
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#18
 Fluoranthene
 Concen: 0.98 ng
 RT: 20.82 min Scan# 3431
 Delta R.T. -0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.2	12.2
203	17.1	14.2	21.4





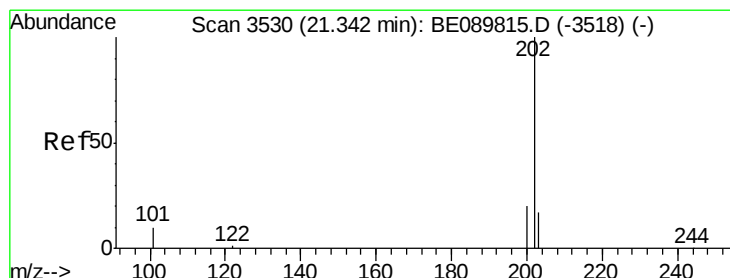
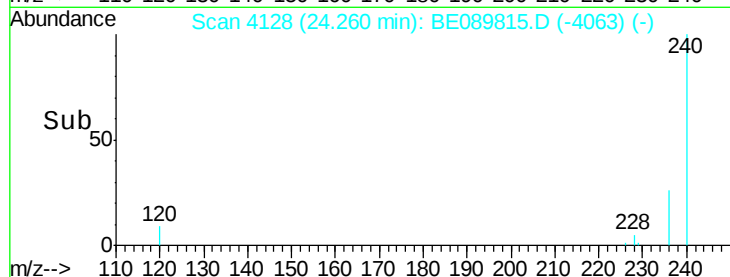
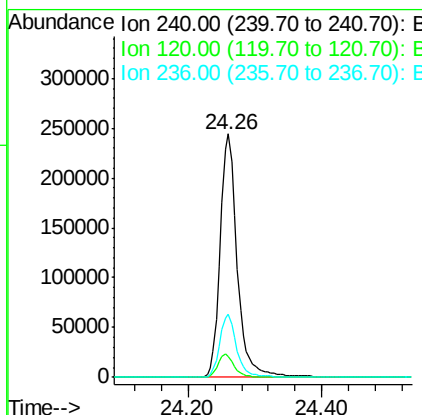
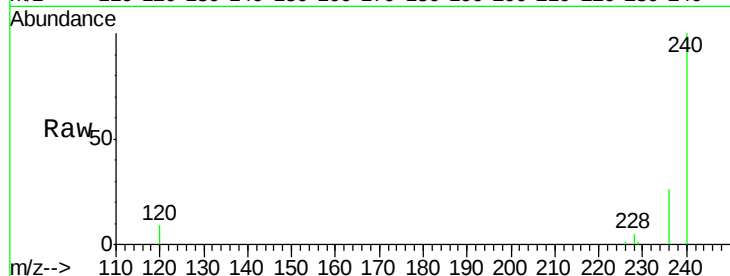
#19
Chrysene-d12
Concen: 5.00 ng
RT: 24.26 min Scan# 4128
Delta R.T. -0.00 min
Lab File: BE089815.D
Acq: 24 Mar 2015 14:49

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100				
120	8.5	7.5	11.3		
236	25.9	20.5	30.7		

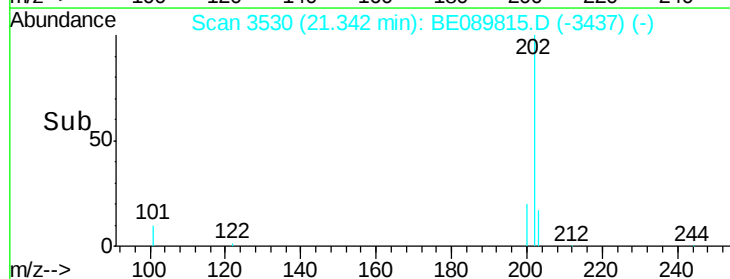
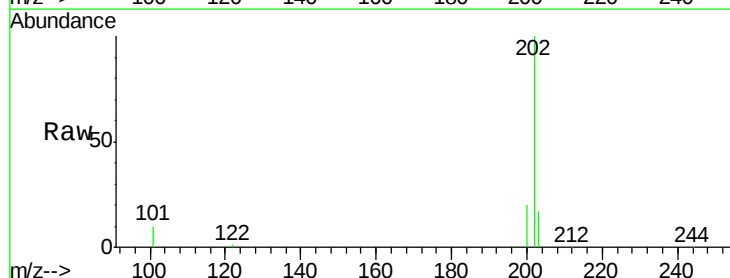
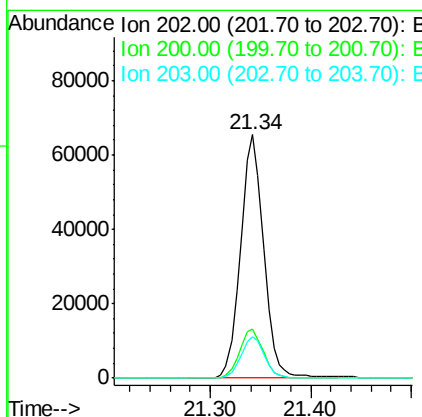
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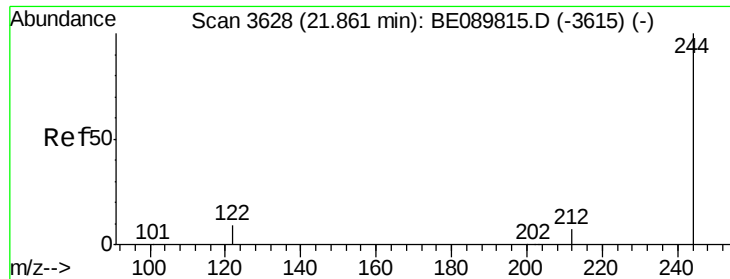
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#20
Pyrene
Concen: 0.89 ng
RT: 21.34 min Scan# 3530
Delta R.T. -0.00 min
Lab File: BE089815.D
Acq: 24 Mar 2015 14:49

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.7	15.9	23.9		
203	17.2	13.6	20.4		





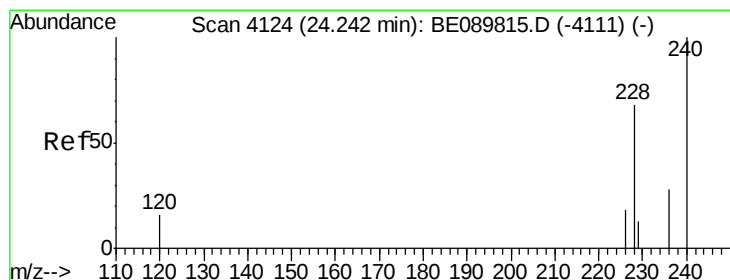
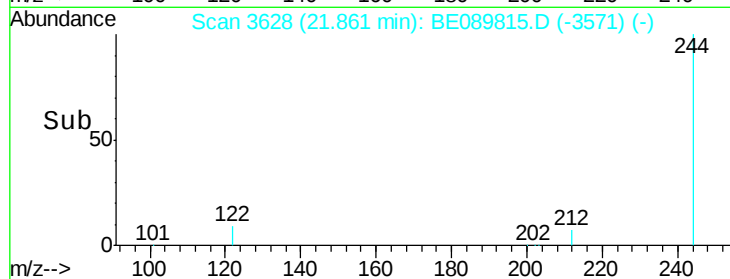
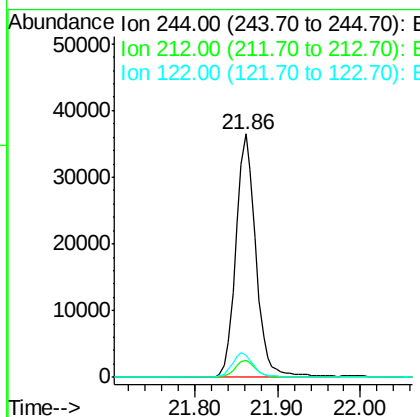
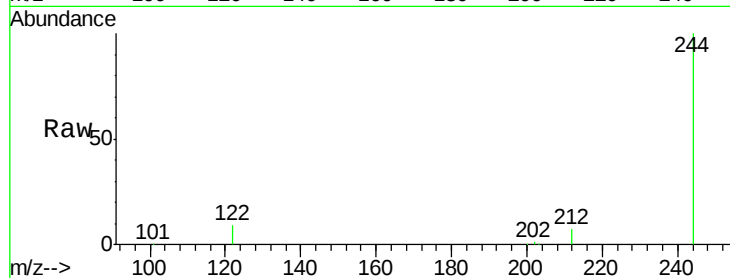
#21
 Terphenyl-d14
 Concen: 0.92 ng
 RT: 21.86 min Scan# 3628
 Delta R.T. 0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1CCC001

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.3	10.9#
122	9.3	10.5	15.7#

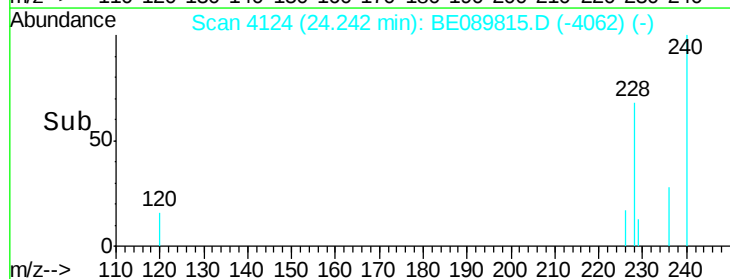
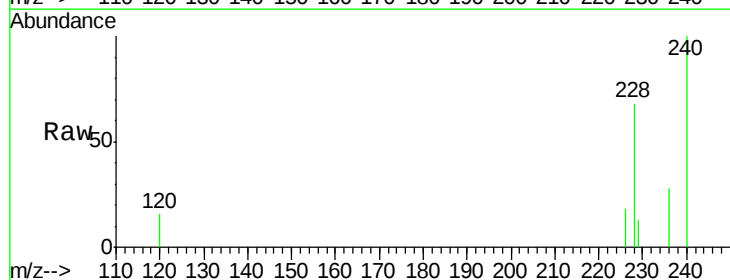
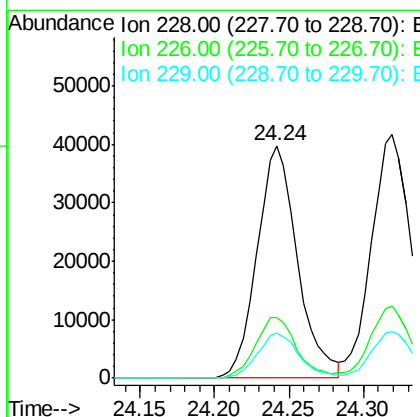
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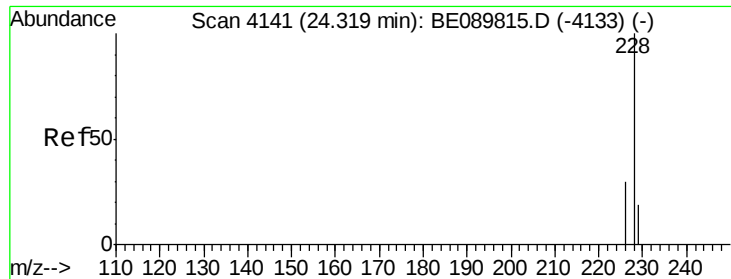
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#22
 Benzo(a)anthracene
 Concen: 0.94 ng
 RT: 24.24 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	19.8	29.8
229	19.5	16.3	24.5





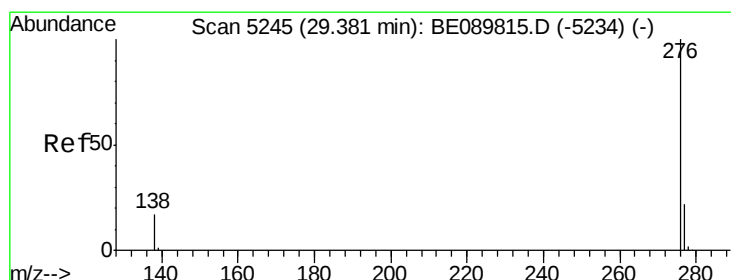
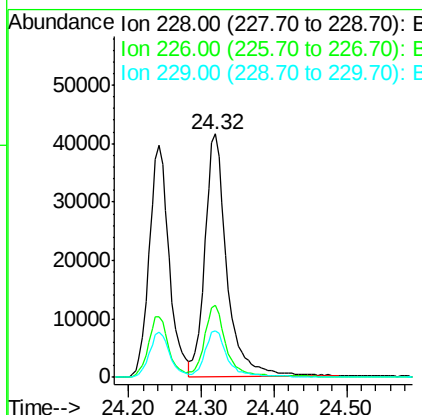
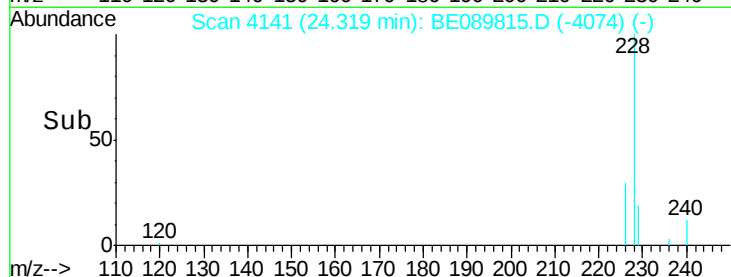
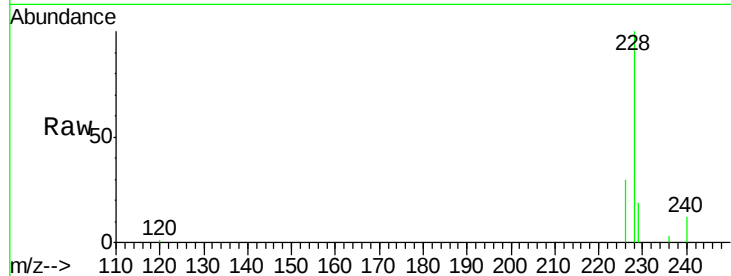
#23
Chrysene
 Concen: 0.97 ng
 RT: 24.32 min Scan# 4141
 Delta R.T. 0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

Tgt Ion:	228	Resp:	86448
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.0	34.4
229	19.2	15.8	23.6

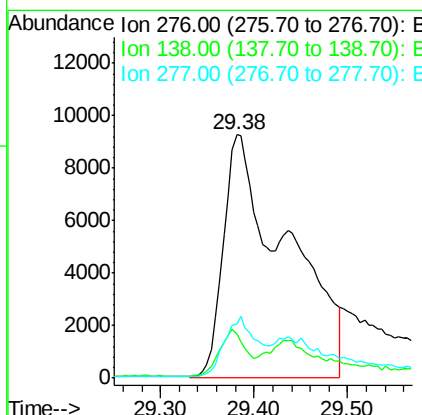
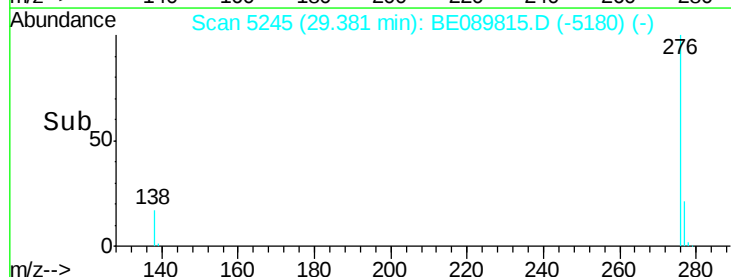
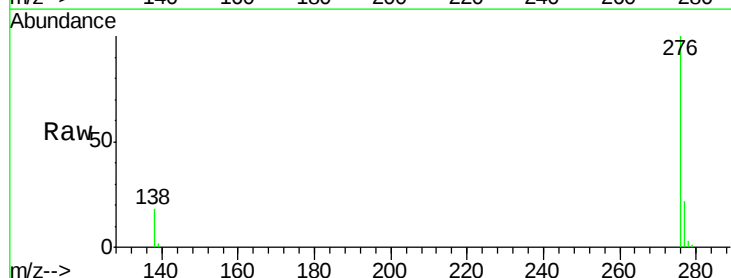
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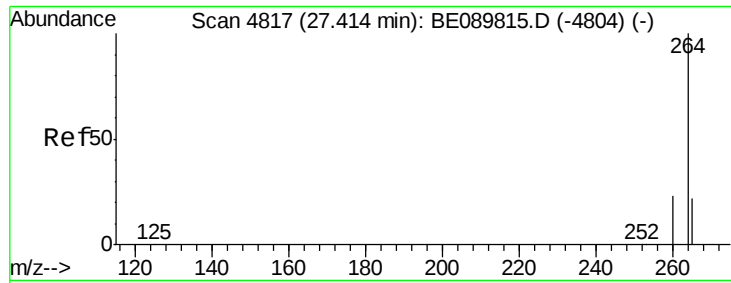
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#24
Indeno(1,2,3-cd)pyrene
 Concen: 1.32 ng m
 RT: 29.38 min Scan# 5245
 Delta R.T. -0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Tgt Ion:	276	Resp:	43574
Ion Ratio	Lower	Upper	
276	100		
138	7.9	4.3	6.5#
277	12.3	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: BE089815.D

Acq: 24 Mar 2015 14:49

Instrument :

BNA_E

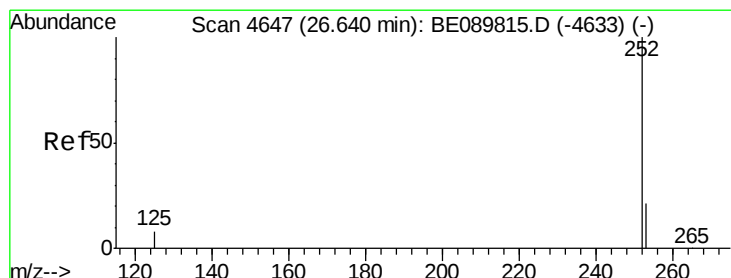
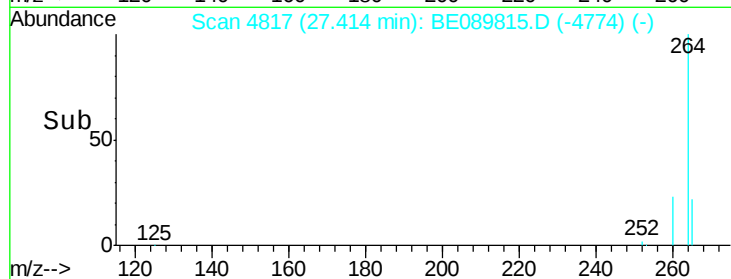
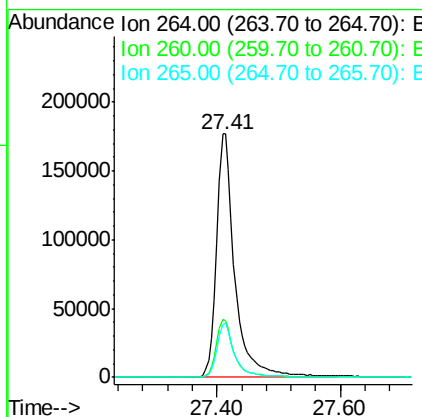
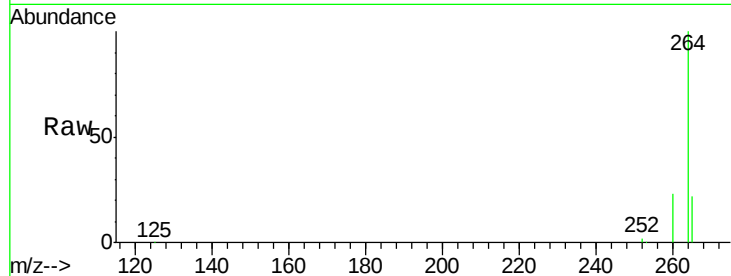
ClientSampleId :

SSTDICCC001

Tgt Ion:	264	Resp:	364287
Ion Ratio		Lower	Upper
264	100		
260	23.5	18.2	27.2
265	22.1	17.3	25.9

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#26

Benzo(b)fluoranthene

Concen: 1.10 ng

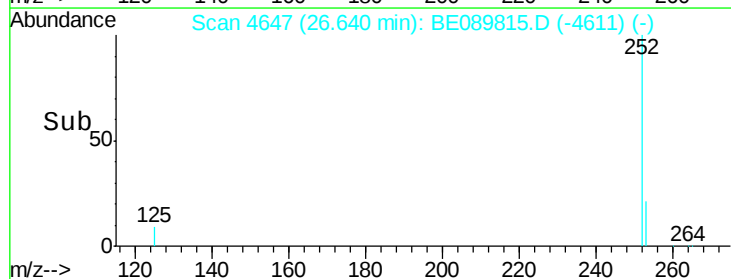
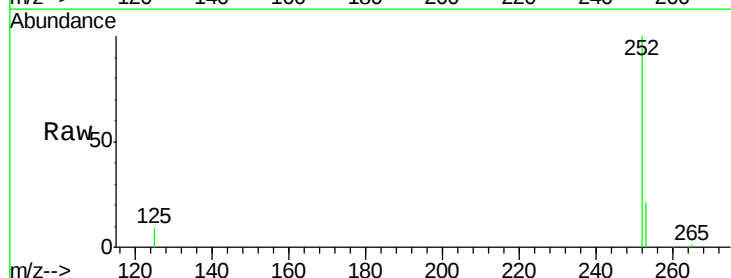
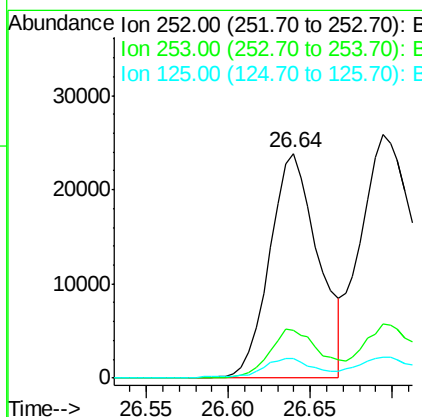
RT: 26.64 min Scan# 4647

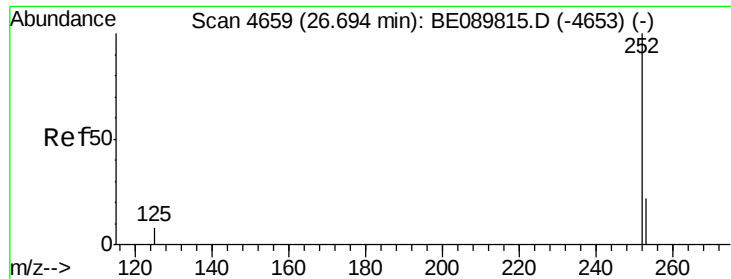
Delta R.T. 0.00 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Tgt Ion:	252	Resp:	48970
Ion Ratio		Lower	Upper
252	100		
253	21.5	17.8	26.6
125	8.8	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 1.10 ng m

RT: 26.69 min Scan# 4659

Delta R.T. -0.01 min

Lab File: BE089815.D

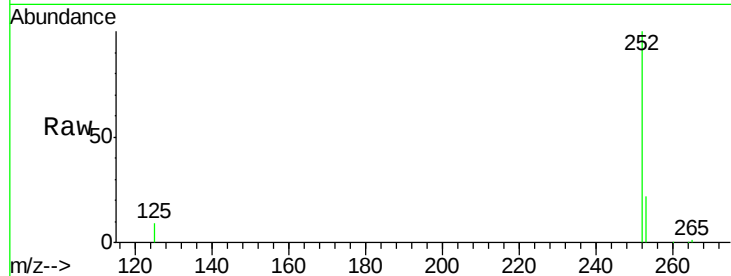
Acq: 24 Mar 2015 14:49

Instrument :

BNA_E

ClientSampleId :

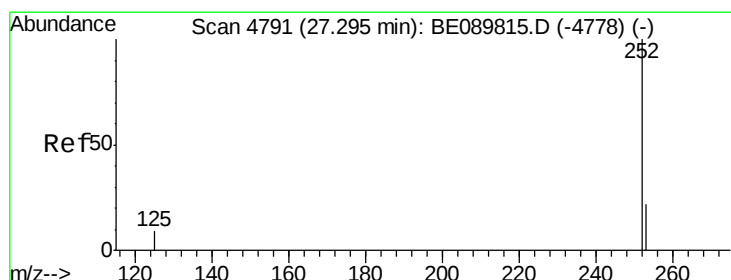
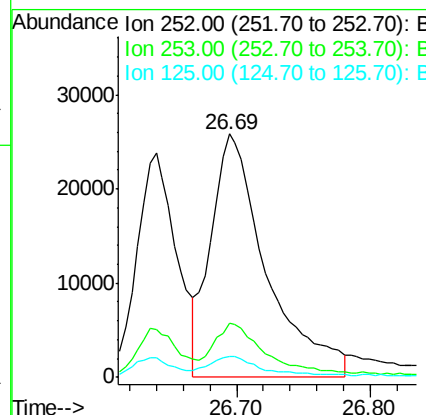
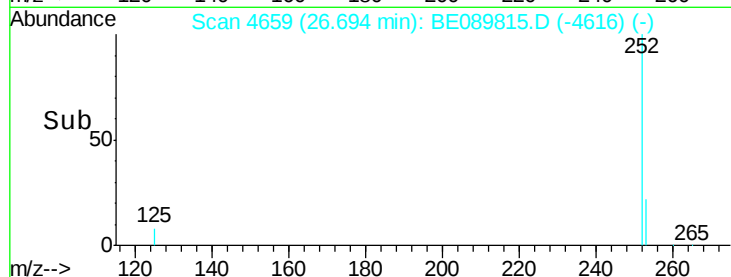
SSTDICCC001



Tgt Ion:	252	Resp:	74238
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.6	28.0
125	8.7	10.8	16.2

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#28

Benzo(a)pyrene

Concen: 1.14 ng

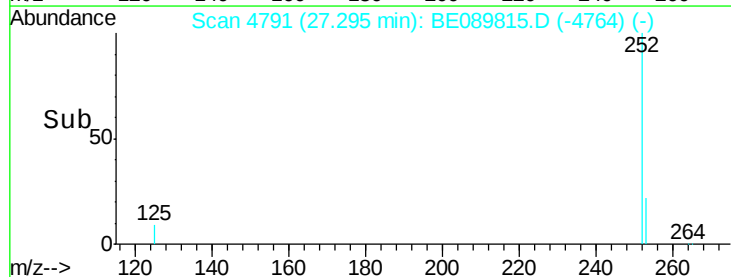
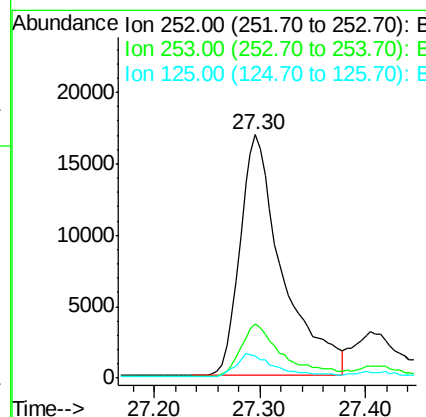
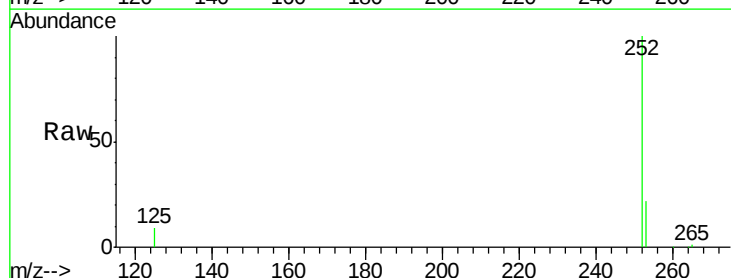
RT: 27.30 min Scan# 4791

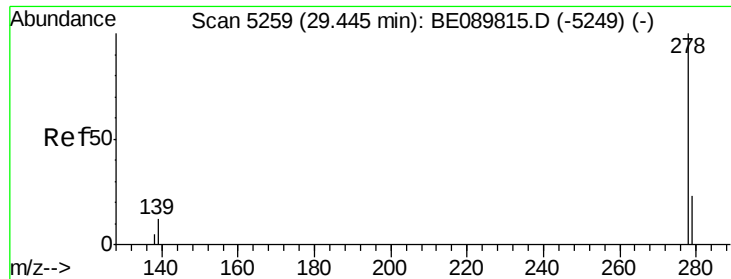
Delta R.T. -0.01 min

Lab File: BE089815.D

Acq: 24 Mar 2015 14:49

Tgt Ion:	252	Resp:	47284
Ion Ratio	Lower	Upper	
252	100		
253	22.1	21.0	31.4
125	9.3	13.3	19.9





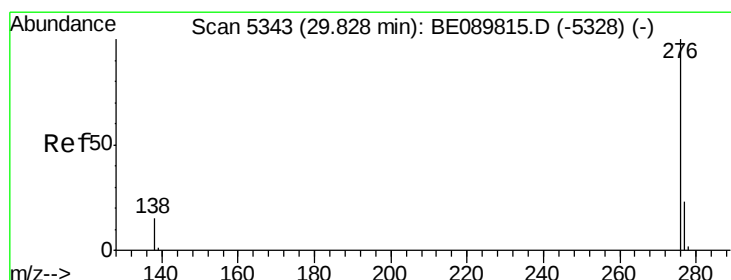
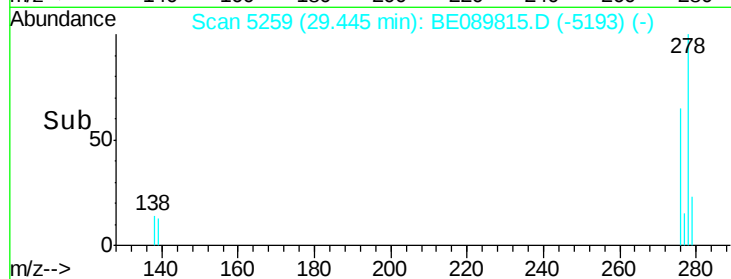
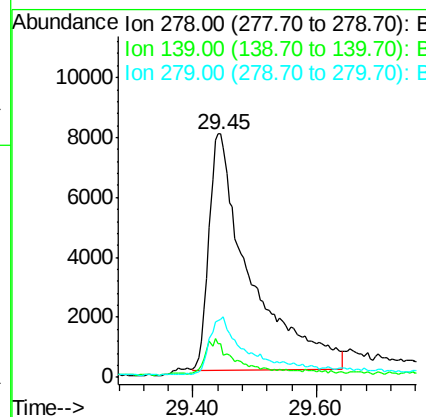
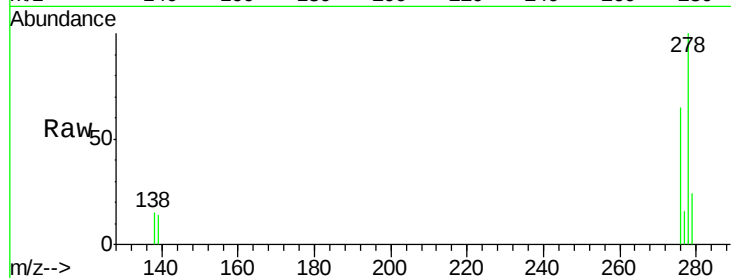
#29
 Dibenzo(a,h)anthracene
 Concen: 1.78 ng
 RT: 29.45 min Scan# 5259
 Delta R.T. 0.00 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	20.0	30.0#
279	23.9	28.9	43.3#

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#30
 Benzo(g,h,i)perylene
 Concen: 1.27 ng
 RT: 29.83 min Scan# 5343
 Delta R.T. 0.01 min
 Lab File: BE089815.D
 Acq: 24 Mar 2015 14:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	15.5	22.9	34.3#

