

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
 Data File : BE089675.D
 Acq On : 24 Feb 2015 17:38
 Operator : TP/JJ
 Sample : MDL-01-S
 Misc : MDL-SOIL-0.2/0.4
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-S

Manual Integrations
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Quant Time: Feb 25 04:23:34 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 24 17:00:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	54312	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	227170	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	101775	5.00	ng	0.01
13) Phenanthrene-d10	19.77	188	183287	5.00	ng	0.00
19) Chrysene-d12	23.66	240	144634	5.00	ng	0.00
25) Perylene-d12	25.34	264	110785	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.60	82	122802	9.10	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	213359	9.43	ng	0.00
21) Terphenyl-d14	22.30	244	203200	11.98	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.73	88	838	0.12	ng	# 81
3) n-Nitrosodimethylamine	3.49	42	778	0.16	ng	# 89
6) Naphthalene	12.29	128	6388	0.15	ng	98
7) 2-Methylnaphthalene	13.95	142	3336	0.13	ng	98
10) Acenaphthylene	16.06	152	17757	0.12	ng	99
11) Acenaphthene	16.49	154	3218	0.14	ng	94
12) Fluorene	17.74	166	3657	0.14	ng	100
14) Hexachlorobenzene	18.99	284	714	0.15	ng	99
15) Pentachlorophenol	19.44	266	59	0.34	ng	# 76
16) Phenanthrene	19.81	178	5850	0.15	ng	99
17) Anthracene	19.91	178	4390	0.13	ng	99
18) Fluoranthene	21.72	202	4317	0.13	ng	98
20) Pyrene	22.04	202	4682	0.13	ng	99
22) Benzo(a)anthracene	23.65	228	14539	0.15	ng	98
23) Chrysene	23.68	228	21880	0.17	ng	98
24) Indeno(1,2,3-cd)pyrene	26.74	276	3405	0.31	ng	# 54
26) Benzo(b)fluoranthene	24.91	252	828m	0.37	ng	
27) Benzo(k)fluoranthene	24.94	252	2402m	0.23	ng	
28) Benzo(a)pyrene	25.27	252	972	0.15	ng	# 87
29) Dibenzo(a,h)anthracene	26.77	278	561	0.35	ng	# 88
30) Benzo(g,h,i)perylene	27.15	276	5503	0.39	ng	# 89

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

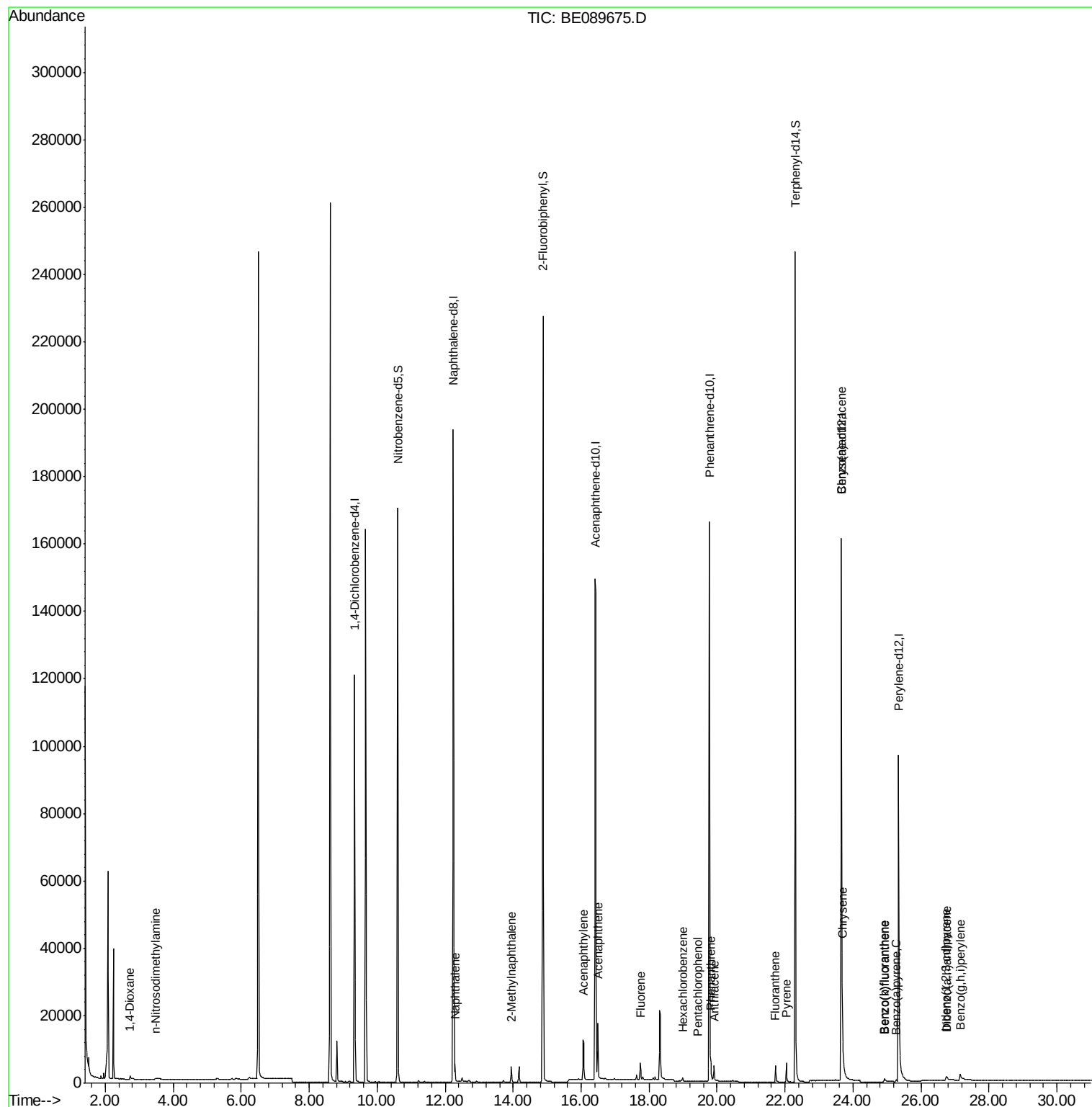
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022415\
Data File : BE089675.D
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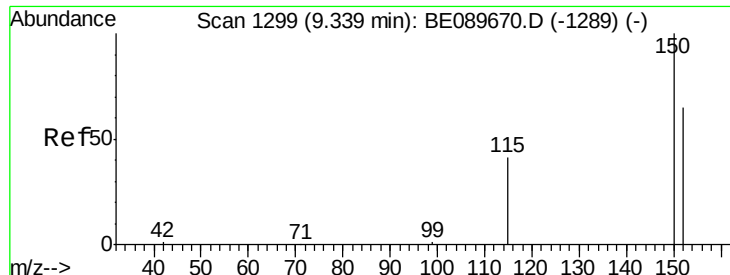
Instrument :
BNA_E
ClientSampleId :
MDL-01-S

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Quant Time: Feb 25 04:23:34 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 17:00:09 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089675.D

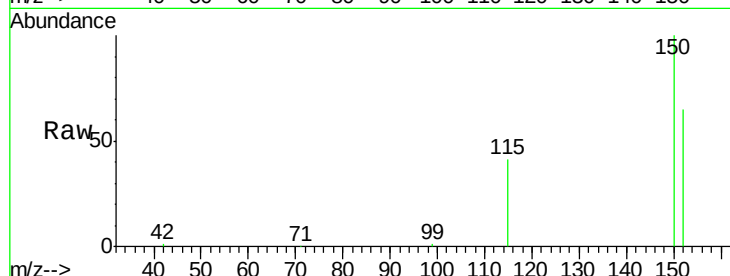
Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

ClientSampleId :

MDL-01-S



Tgt Ion: 152 Resp: 54312

Ion Ratio Lower Upper

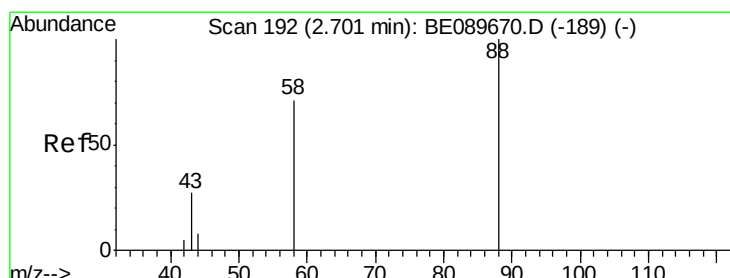
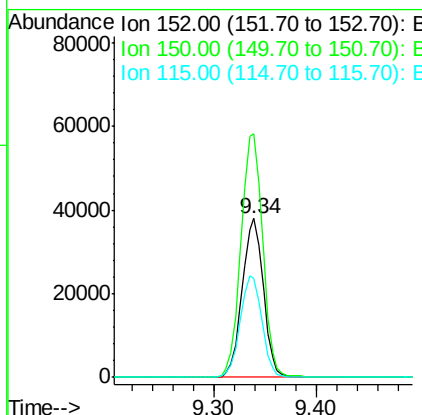
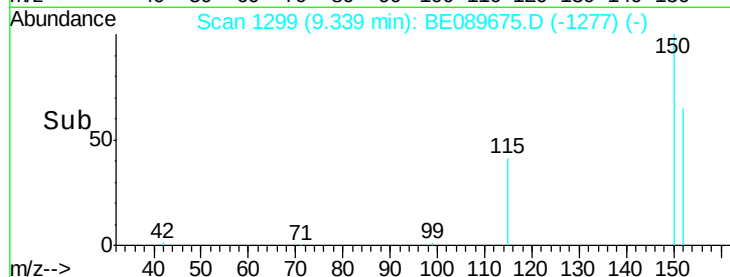
152 100

150 153.5 123.4 185.0

115 62.5 50.8 76.2

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#2

1,4-Dioxane

Concen: 0.12 ng

RT: 2.73 min Scan# 196

Delta R.T. 0.03 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

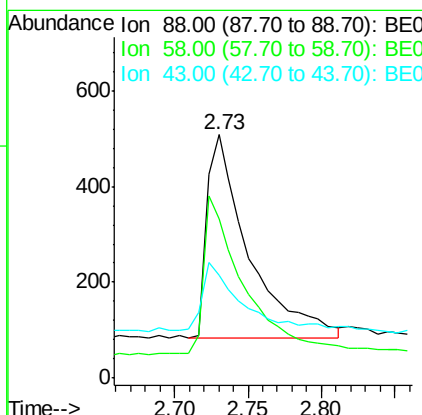
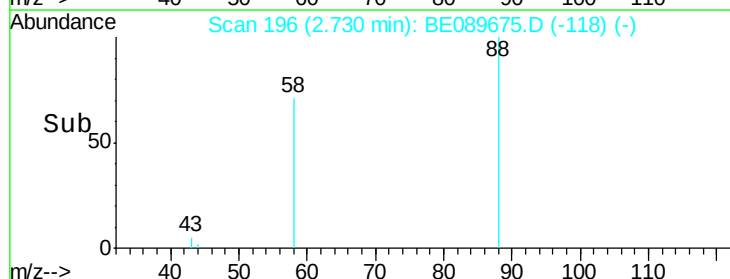
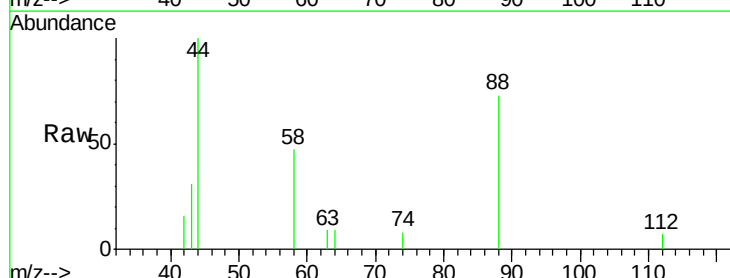
Tgt Ion: 88 Resp: 838

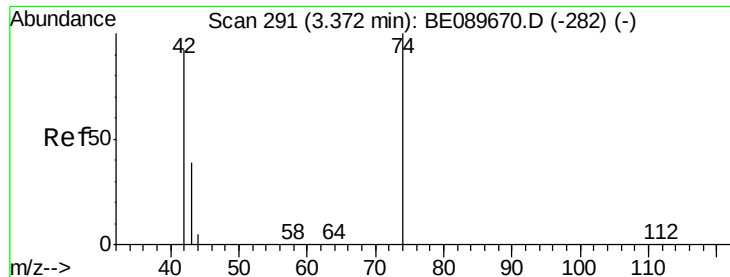
Ion Ratio Lower Upper

88 100

58 79.5 62.4 93.6

43 0.0 26.6 40.0#





#3

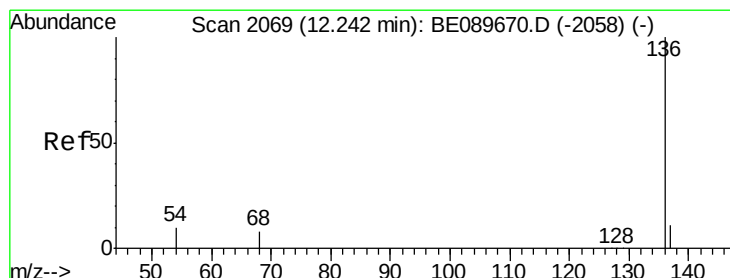
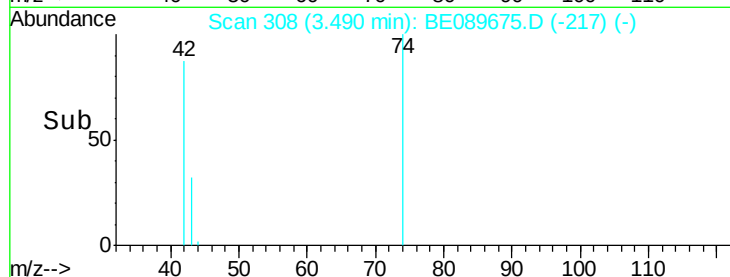
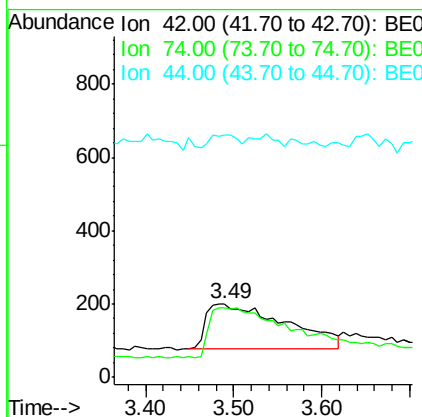
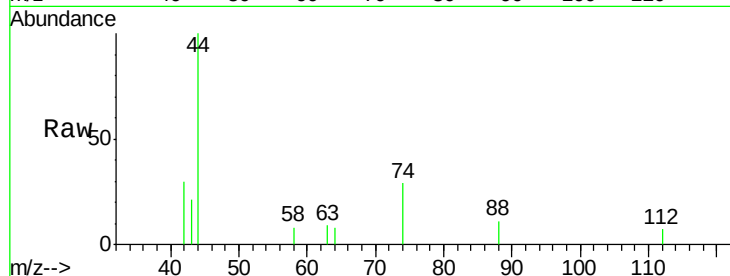
n-Nitrosodimethylamine
Concen: 0.16 ng
RT: 3.49 min Scan# 308
Delta R.T. 0.12 min
Lab File: BE089675.D
Acq: 24 Feb 2015 17:38

Instrument :
BNA_E
ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Lower	Upper
42	100		
74	102.3	91.1	136.7
44	9.5	4.7	7.1#

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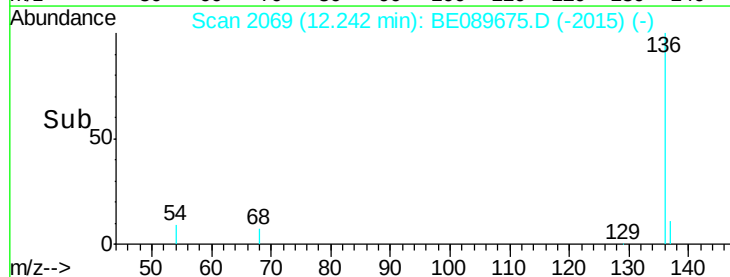
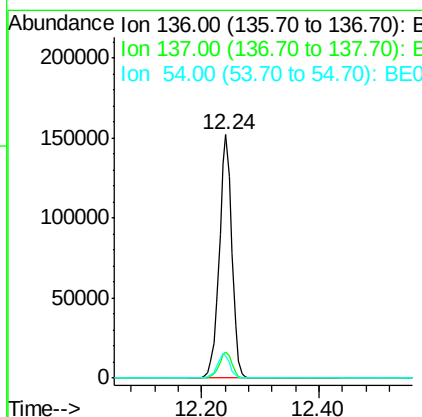
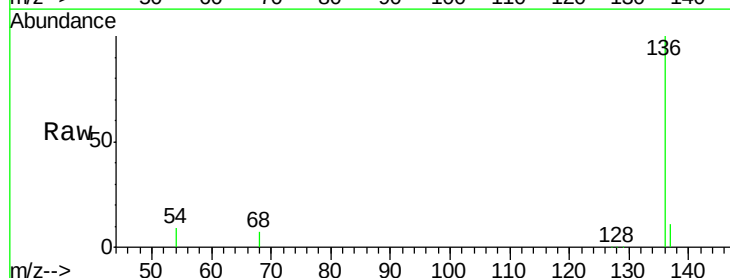
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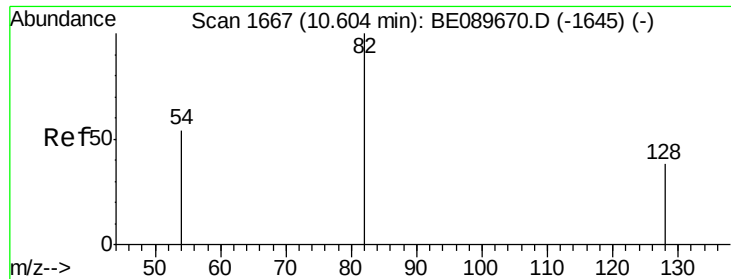


#4

Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2069
Delta R.T. -0.00 min
Lab File: BE089675.D
Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.1	7.8	11.8





#5

Nitrobenzene-d5

Concen: 9.10 ng

RT: 10.60 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BE089675.D

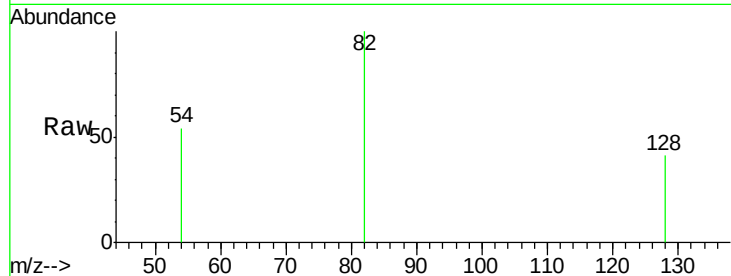
Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

ClientSampleId :

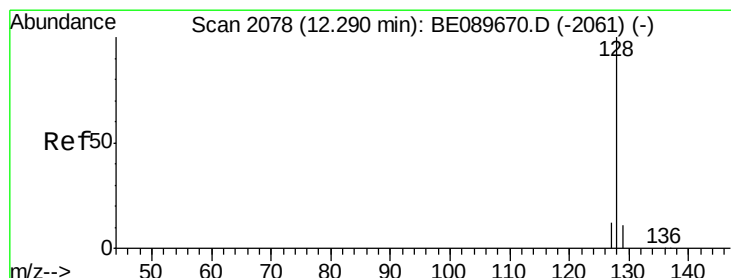
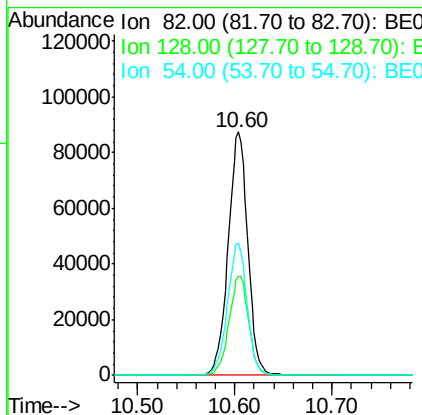
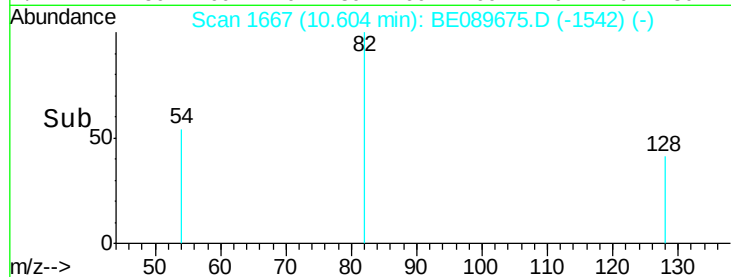
MDL-01-S



Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.6	46.0
54	54.2	43.6	65.4

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#6

Naphthalene

Concen: 0.15 ng

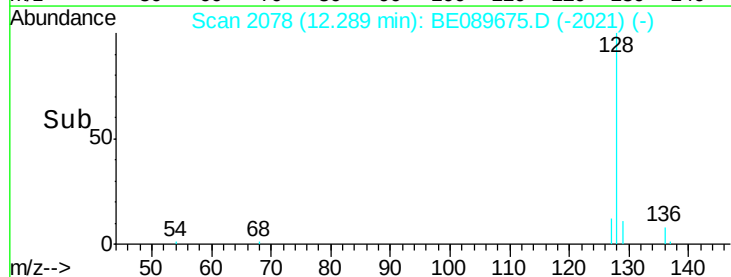
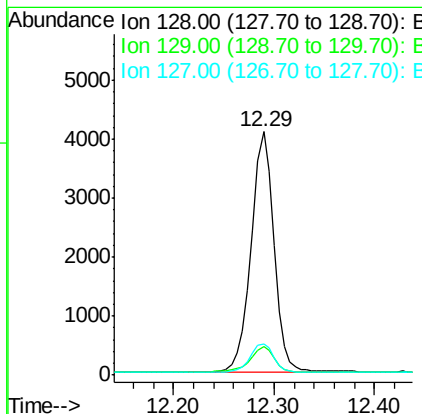
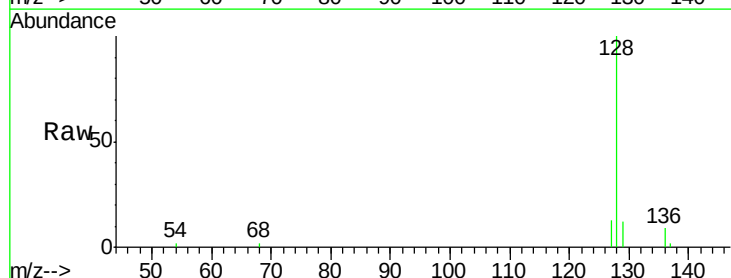
RT: 12.29 min Scan# 2078

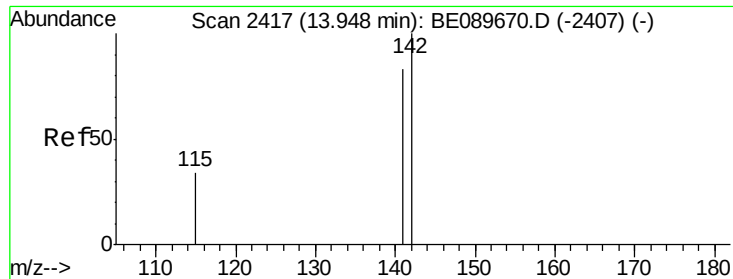
Delta R.T. -0.00 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.9	13.3
127	12.9	9.7	14.5





#7

2-Methylnaphthalene

Concen: 0.13 ng

RT: 13.95 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089675.D

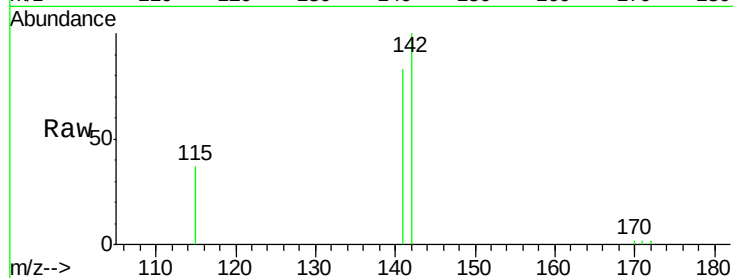
Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

ClientSampleId :

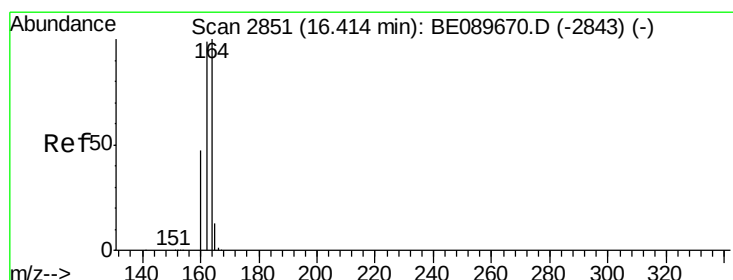
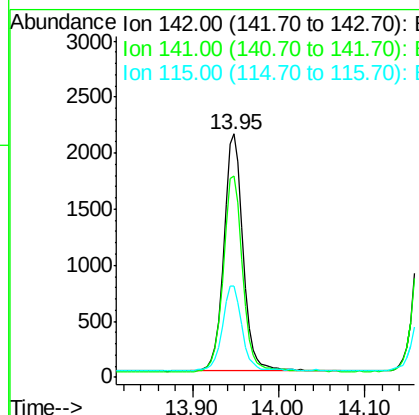
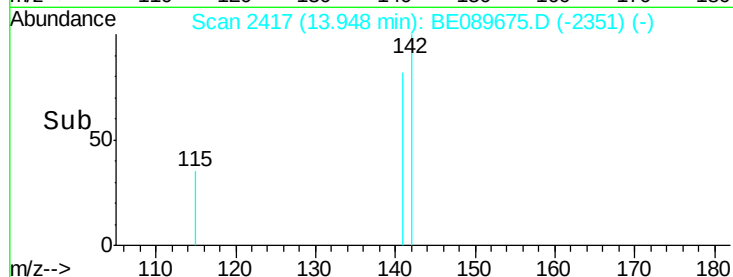
MDL-01-S



Tgt Ion:	142	Resp:	3336
Ion Ratio	Lower	Upper	
142	100		
141	82.9	66.0	99.0
115	37.3	27.4	41.0

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#8

Acenaphthene-d10

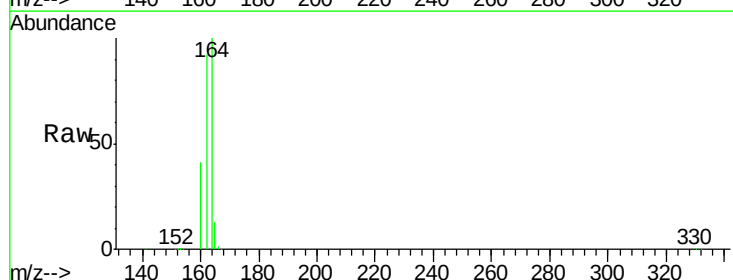
Concen: 5.00 ng

RT: 16.42 min Scan# 2852

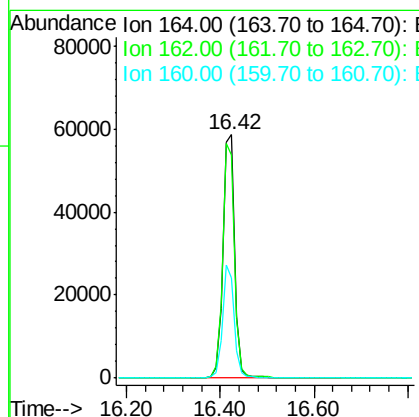
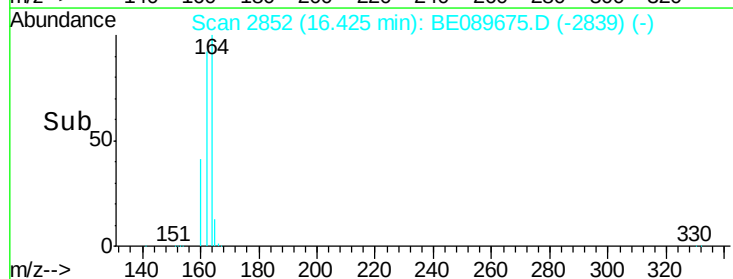
Delta R.T. 0.01 min

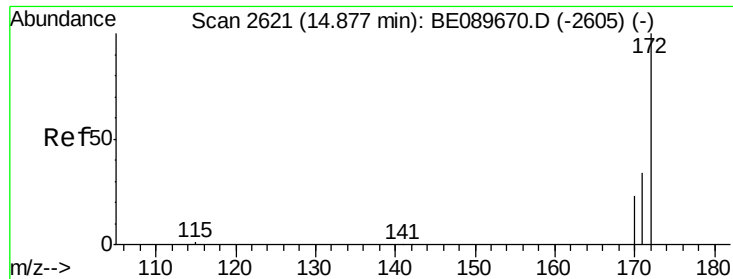
Lab File: BE089675.D

Acq: 24 Feb 2015 17:38



Tgt Ion:	164	Resp:	101775
Ion Ratio	Lower	Upper	
164	100		
162	91.6	79.4	119.2
160	41.2	37.6	56.4





#9

2-Fluorobiphenyl

Concen: 9.43 ng

RT: 14.88 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

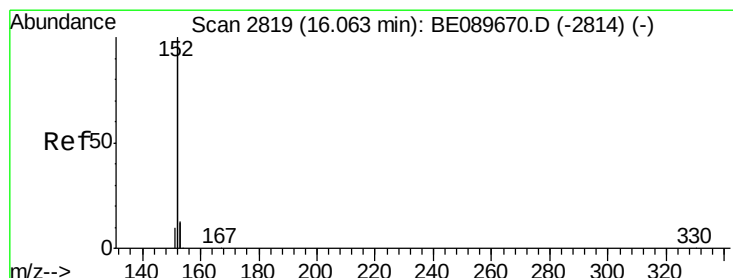
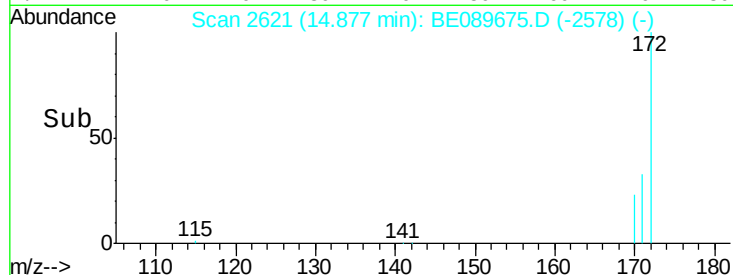
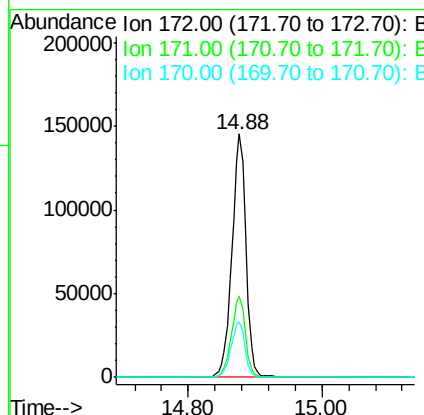
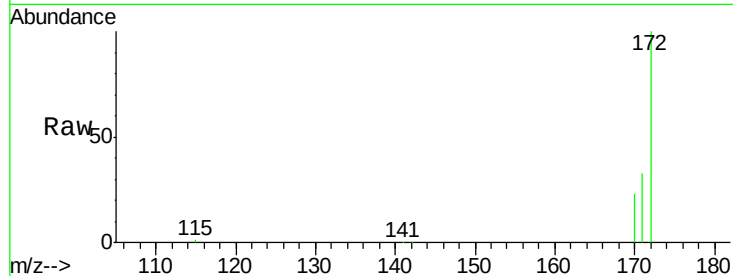
ClientSampleId :

MDL-01-S

Tgt Ion:	172	Resp:	213359
Ion Ratio		Lower	Upper
172	100		
171	33.3	27.3	40.9
170	22.6	18.5	27.7

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#10

Acenaphthylene

Concen: 0.12 ng

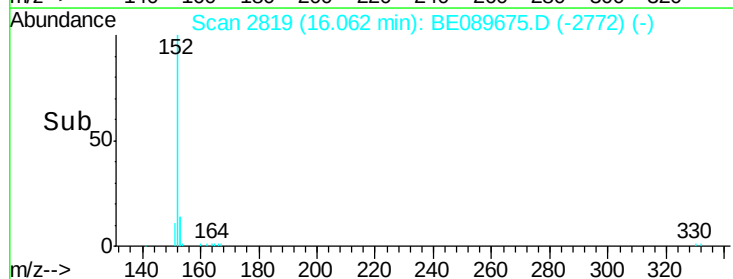
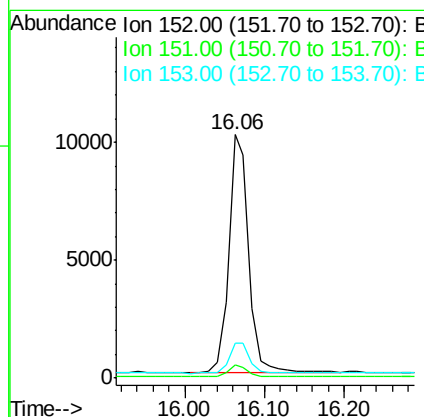
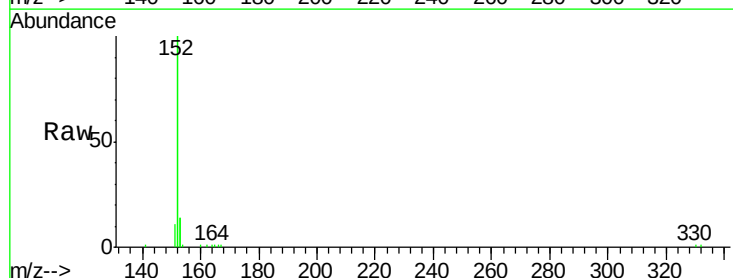
RT: 16.06 min Scan# 2819

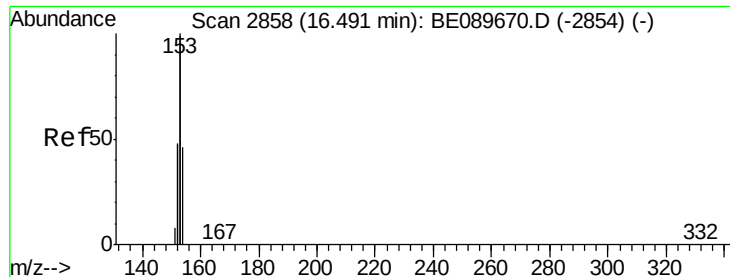
Delta R.T. -0.00 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

Tgt Ion:	152	Resp:	17757
Ion Ratio		Lower	Upper
152	100		
151	4.9	3.8	5.6
153	13.3	10.4	15.6





#11

Acenaphthene

Concen: 0.14 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BE089675.D

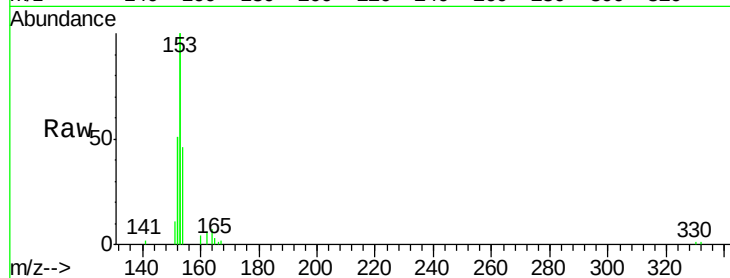
Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

ClientSampleId :

MDL-01-S



Tgt Ion:154 Resp: 3218

Ion Ratio Lower Upper

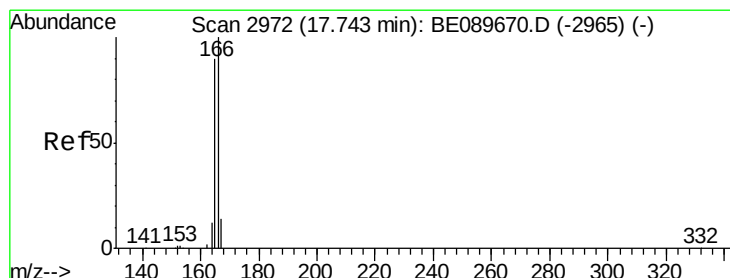
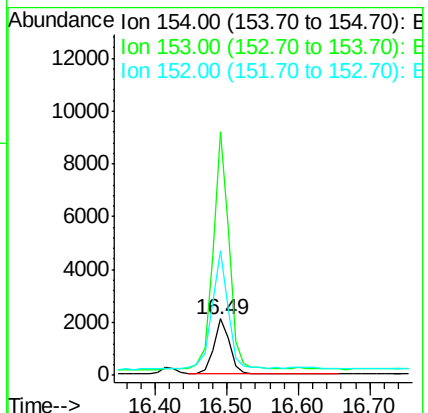
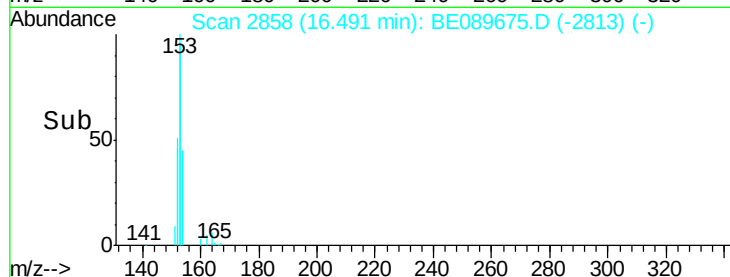
154 100

153 442.0 345.8 518.8

152 227.9 168.6 252.8

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#12

Fluorene

Concen: 0.14 ng

RT: 17.74 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

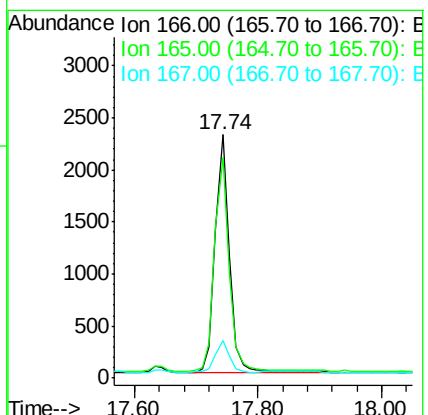
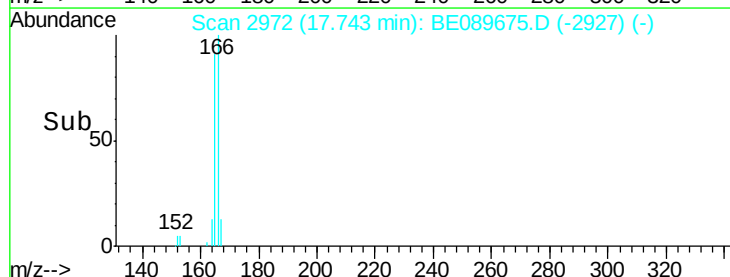
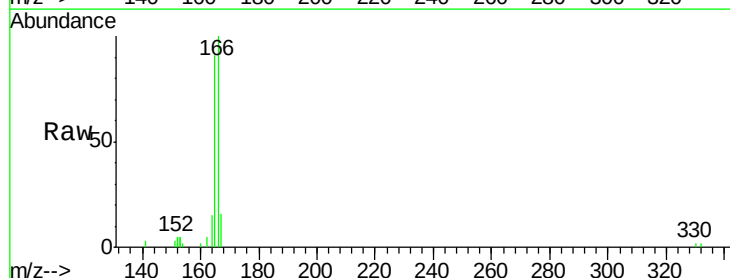
Tgt Ion:166 Resp: 3657

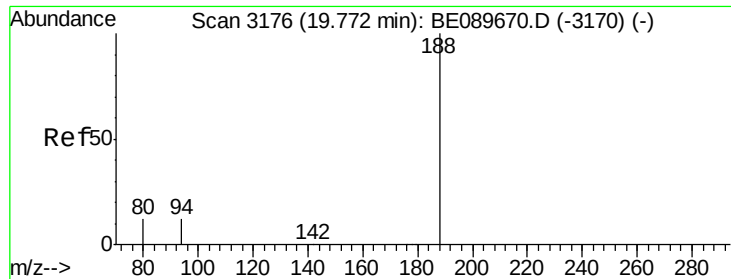
Ion Ratio Lower Upper

166 100

165 92.0 73.6 110.4

167 14.1 10.6 16.0





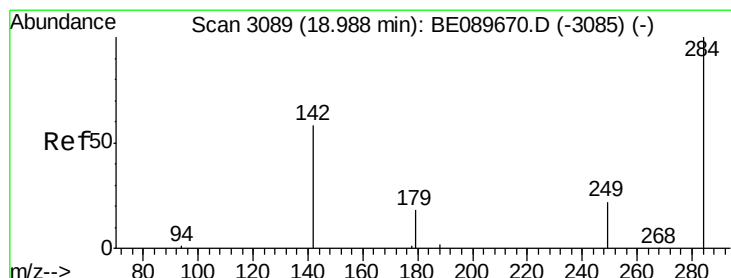
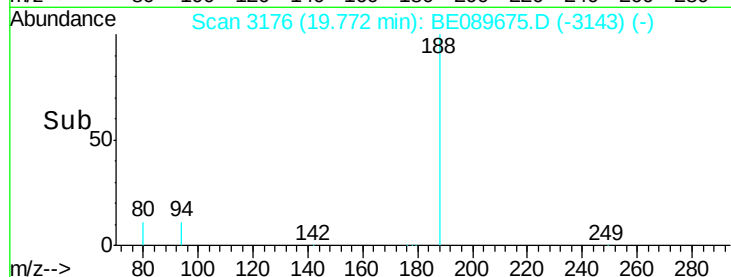
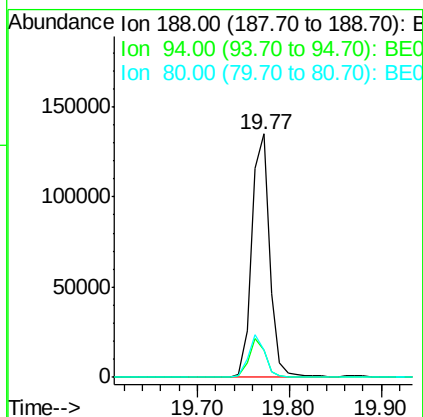
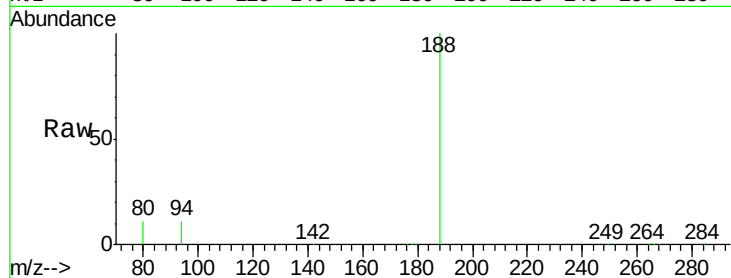
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089675.D
Acq: 24 Feb 2015 17:38

Instrument :
BNA_E
ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.3	9.4	14.2
80	11.4	9.5	14.3

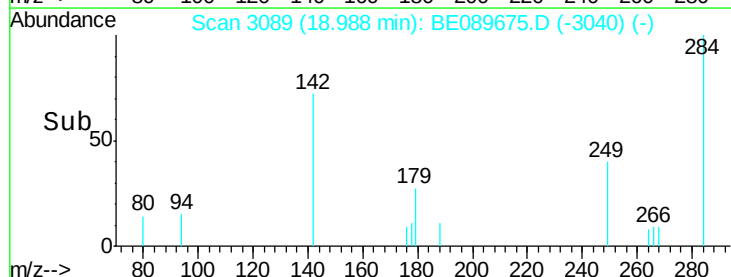
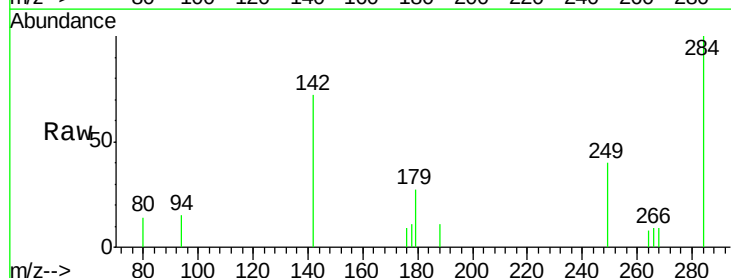
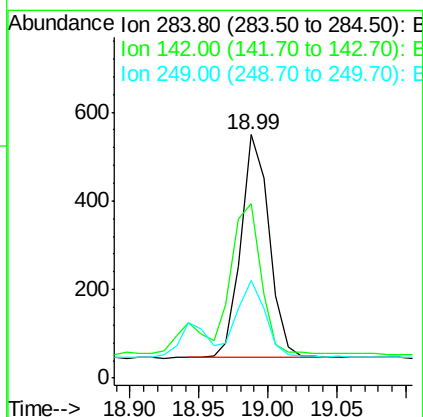
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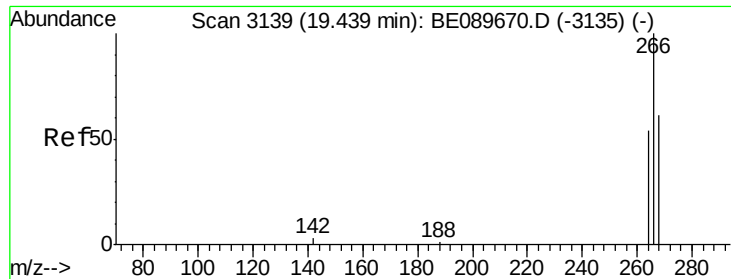
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#14
Hexachlorobenzene
Concen: 0.15 ng
RT: 18.99 min Scan# 3089
Delta R.T. -0.00 min
Lab File: BE089675.D
Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	69.6	55.4	83.2
249	35.7	27.2	40.8





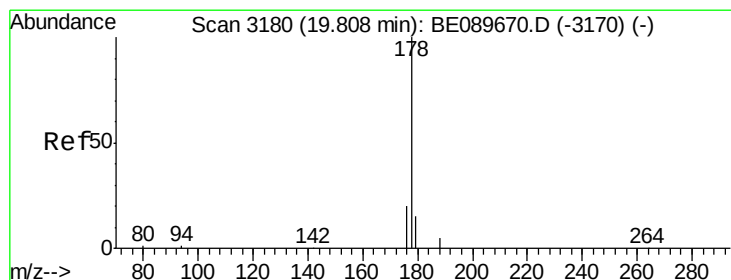
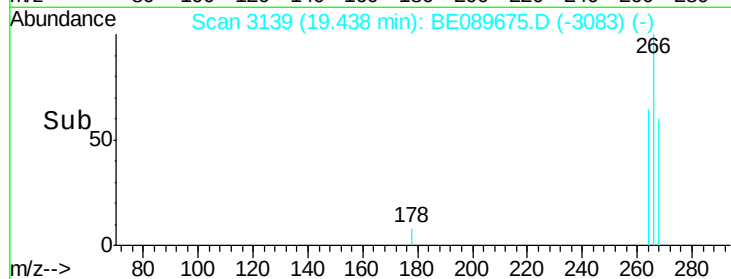
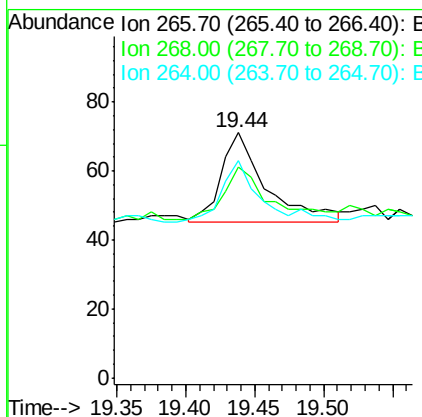
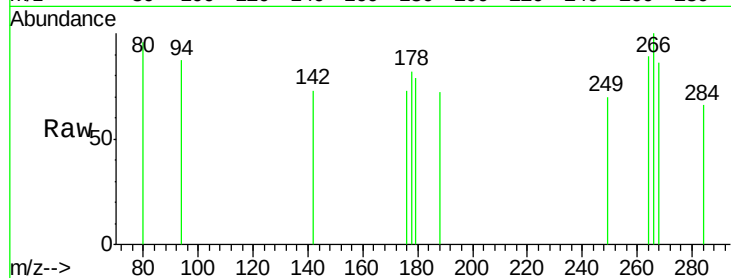
#15
 Pentachlorophenol
 Concen: 0.34 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. 0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-S

Tgt Ion	Ratio	Lower	Upper
266	100		
268	85.9	56.3	84.5#
264	88.7	51.8	77.8#

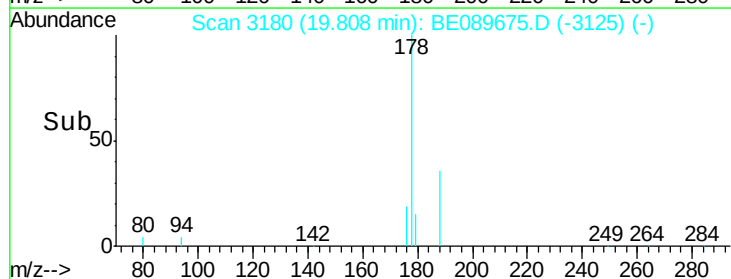
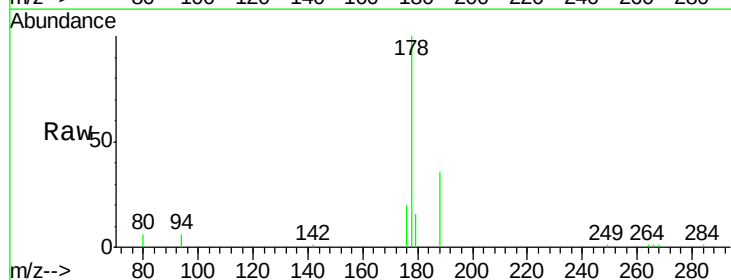
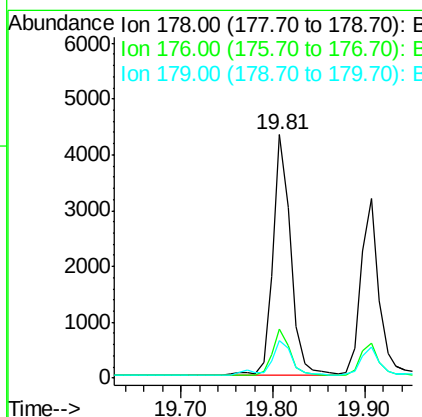
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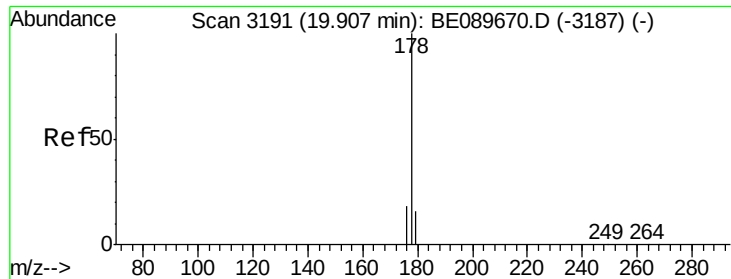
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#16
 Phenanthrene
 Concen: 0.15 ng
 RT: 19.81 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	16.8	12.5	18.7





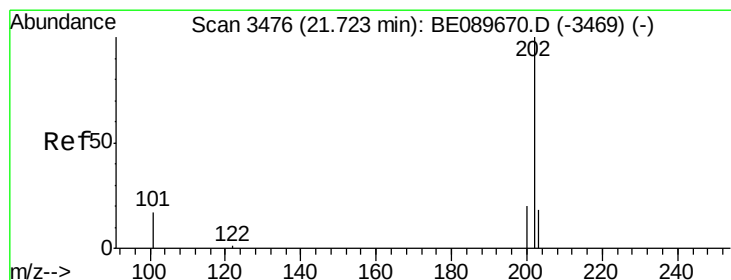
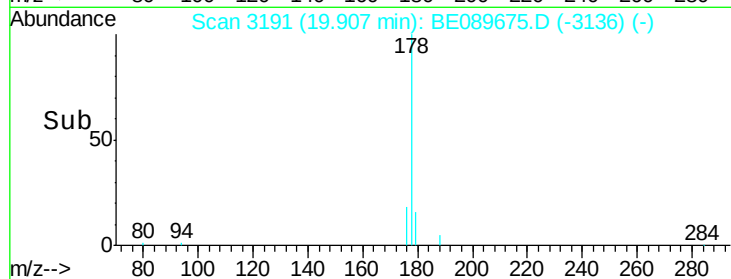
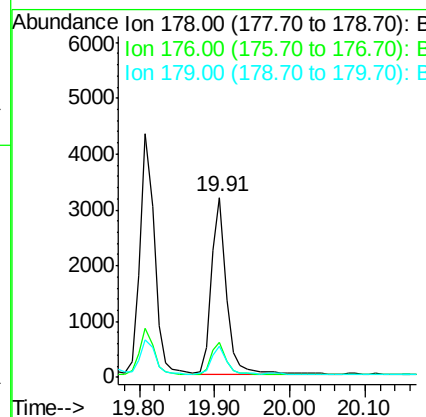
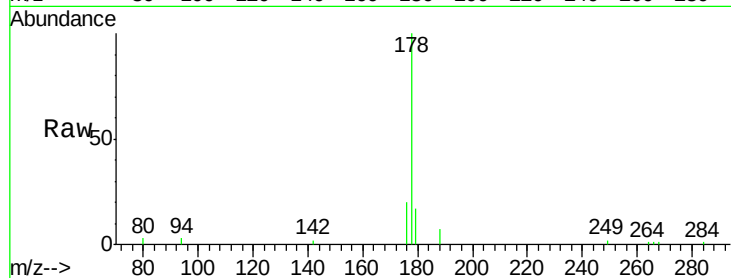
#17
 Anthracene
 Concen: 0.13 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-S

Tgt Ion:	178	Resp:	4390
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.8	22.2
179	14.8	12.2	18.2

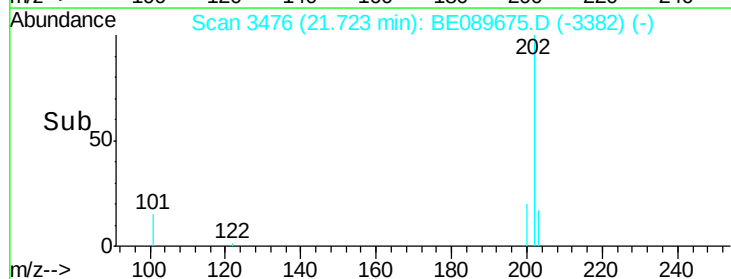
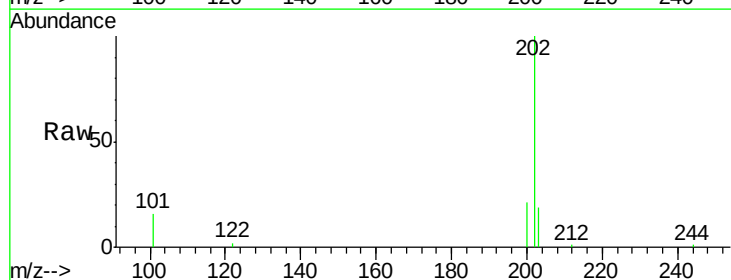
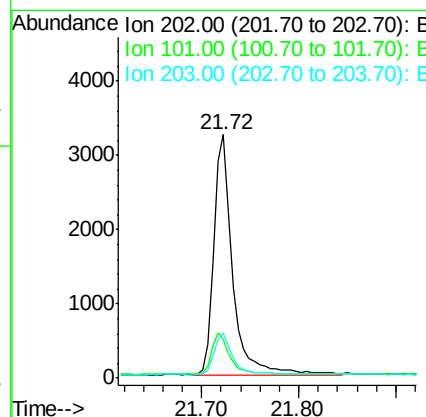
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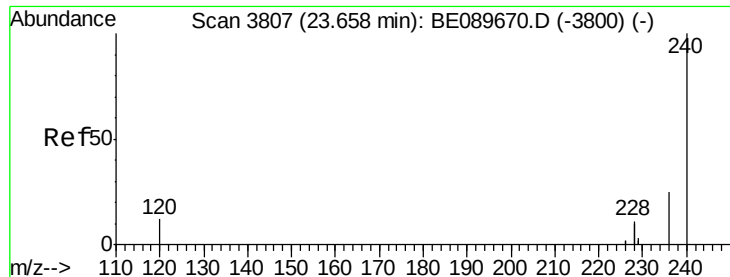
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 2/25/2015 3:34:28 PM



#18
 Fluoranthene
 Concen: 0.13 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. -0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Tgt Ion:	202	Resp:	4317
Ion Ratio	Lower	Upper	
202	100		
101	16.7	14.9	22.3
203	17.3	13.8	20.6





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3807

Delta R.T. -0.00 min

Lab File: BE089675.D

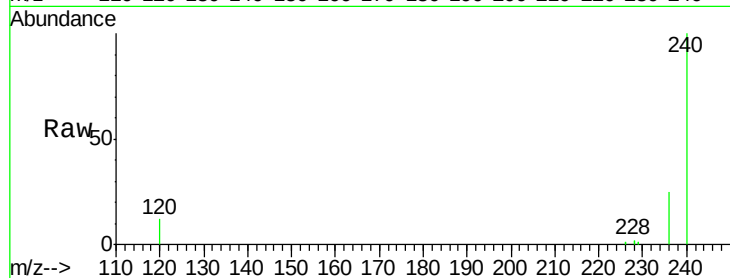
Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

ClientSampleId :

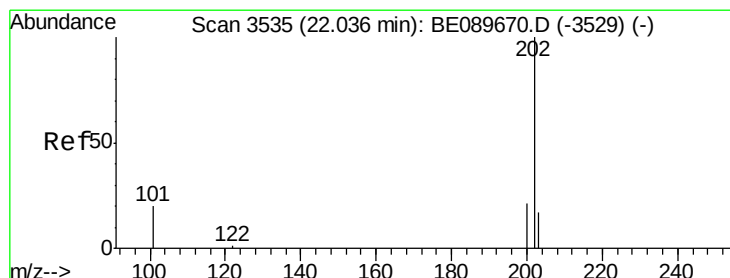
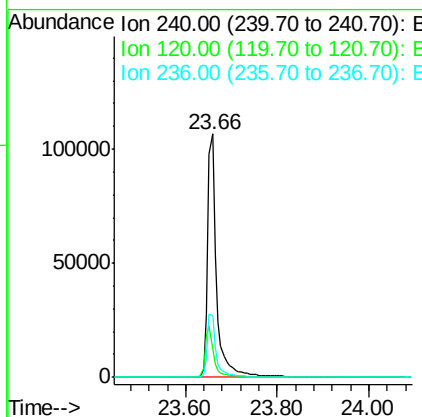
MDL-01-S



Tgt Ion:	240	Resp:	144634
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.4	14.0
236	25.2	19.9	29.9

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#20

Pyrene

Concen: 0.13 ng

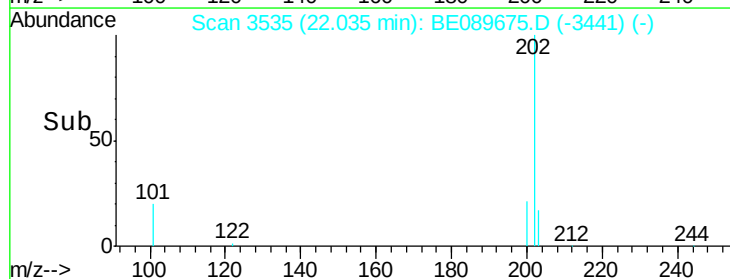
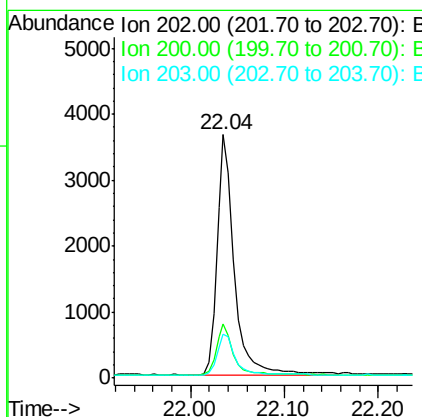
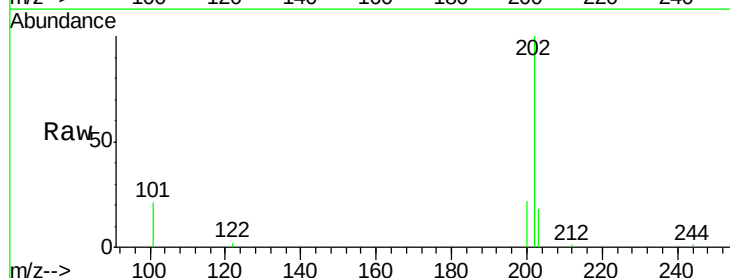
RT: 22.04 min Scan# 3535

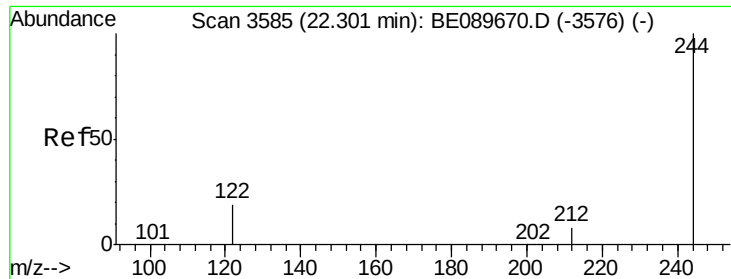
Delta R.T. -0.00 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

Tgt Ion:	202	Resp:	4682
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.4	24.6
203	17.9	13.9	20.9





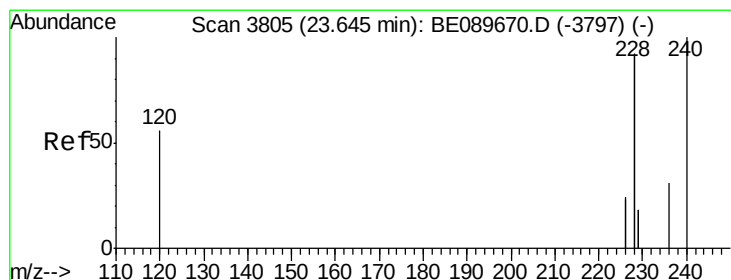
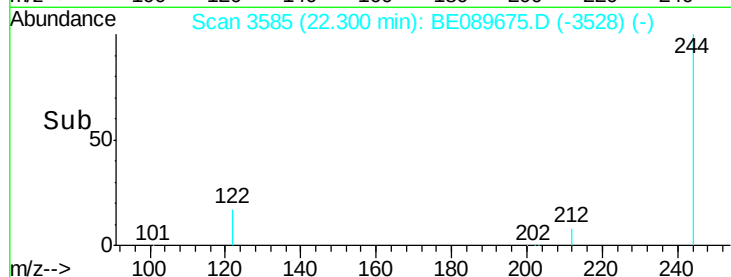
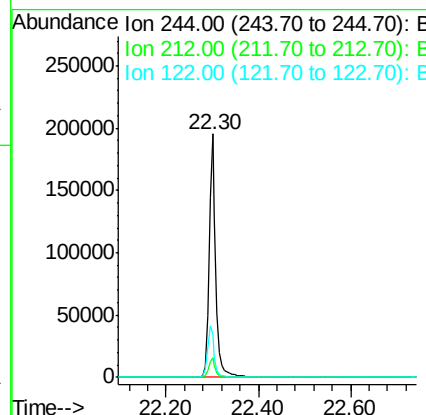
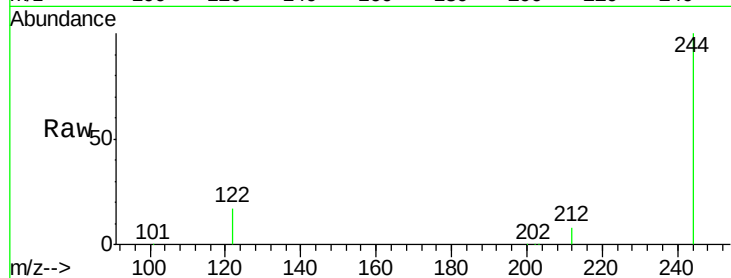
#21
 Terphenyl-d14
 Concen: 11.98 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. -0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-S

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.6
122	17.4	15.4	23.0

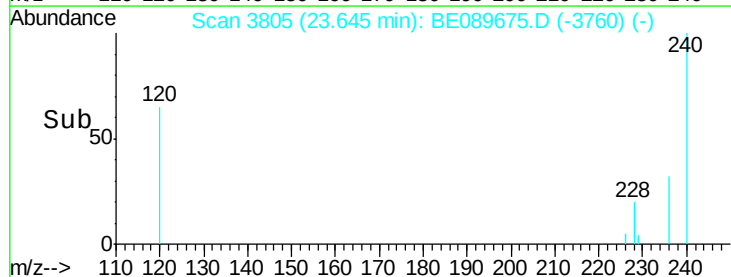
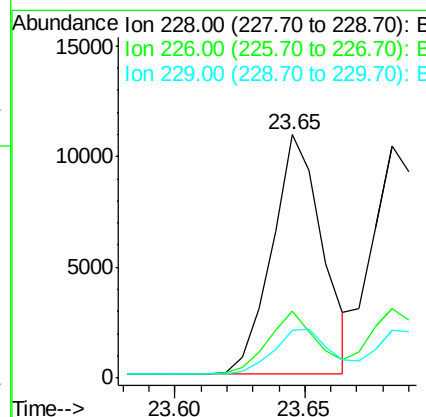
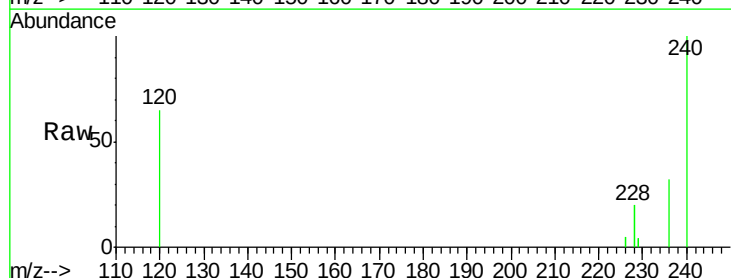
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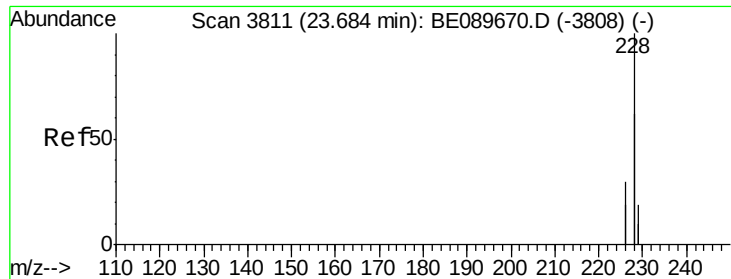
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 2/25/2015 3:34:28 PM



#22
 Benzo(a)anthracene
 Concen: 0.15 ng
 RT: 23.65 min Scan# 3805
 Delta R.T. -0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	20.6	31.0
229	19.7	15.8	23.6





#23

Chrysene

Concen: 0.17 ng

RT: 23.68 min Scan# 3811

Delta R.T. -0.00 min

Lab File: BE089675.D

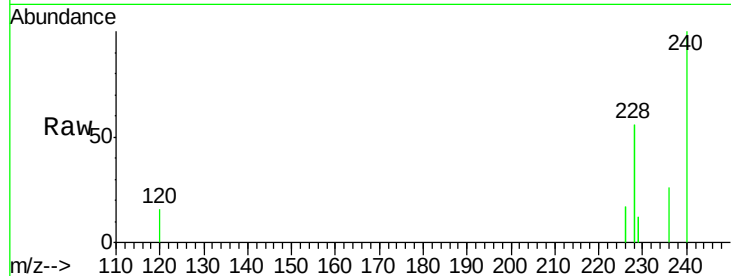
Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

ClientSampleId :

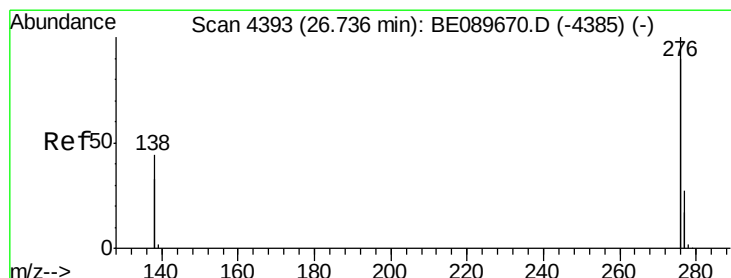
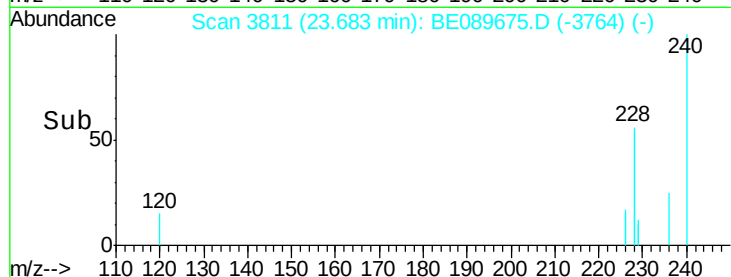
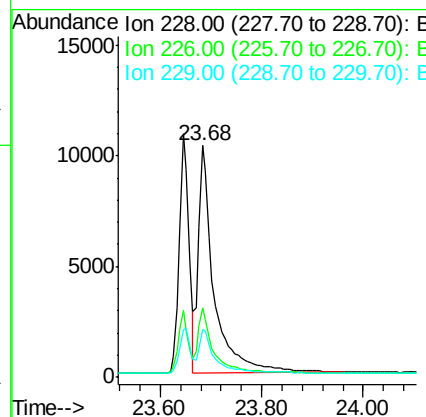
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.6	35.4
229	20.6	15.3	22.9

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2/25/2015 3:34:28 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.31 ng

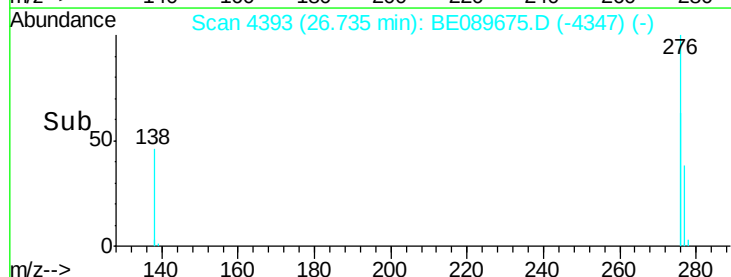
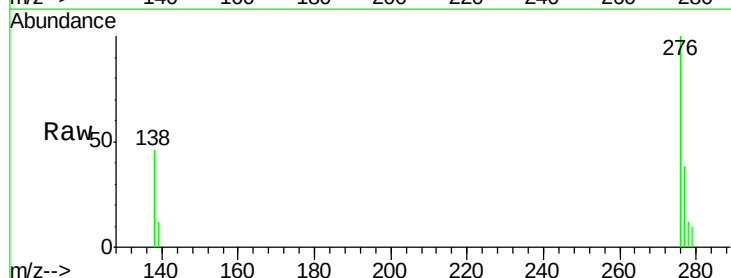
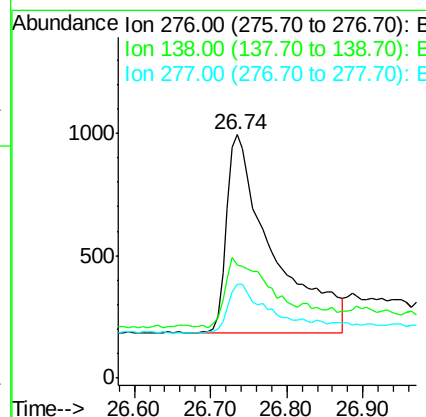
RT: 26.74 min Scan# 4393

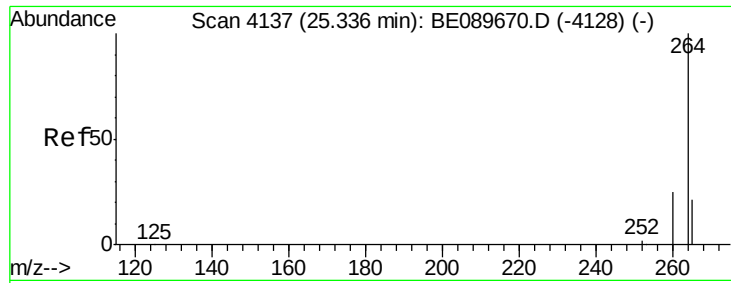
Delta R.T. 0.00 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.2	0.0	0.0#
277	22.0	5.2	7.8#





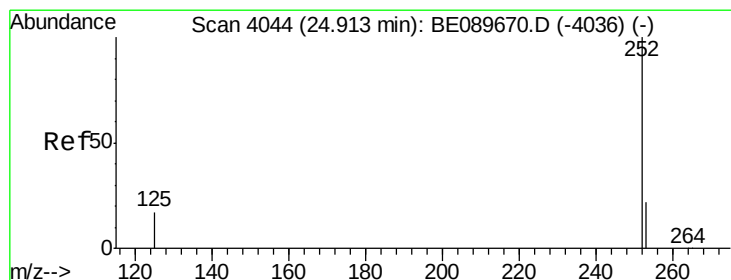
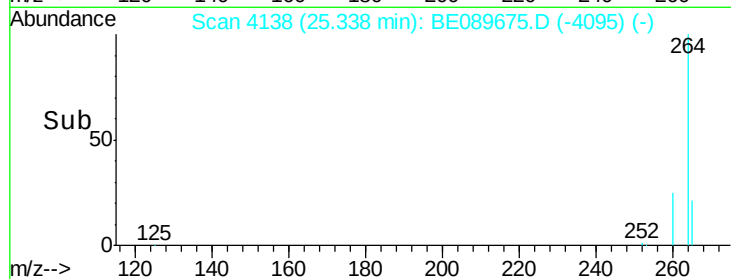
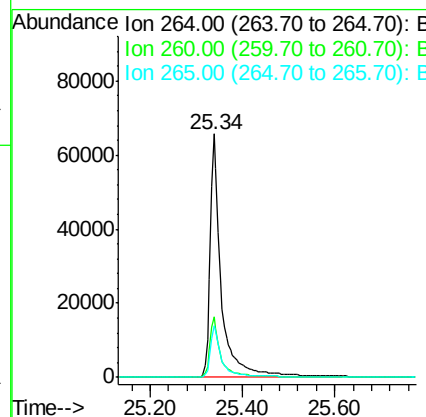
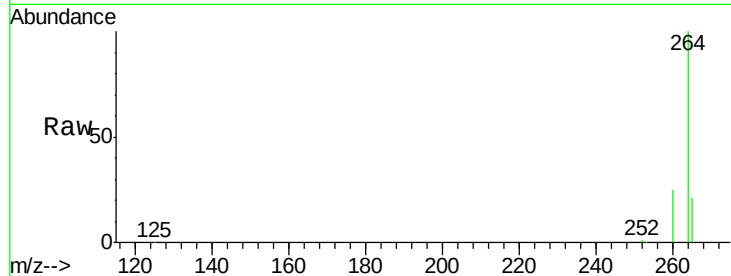
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4138
 Delta R.T. 0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.4
265	21.2	17.0	25.4

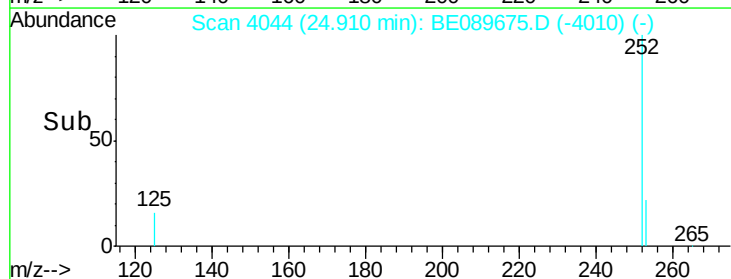
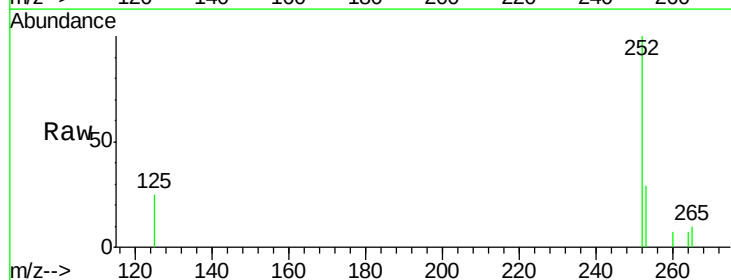
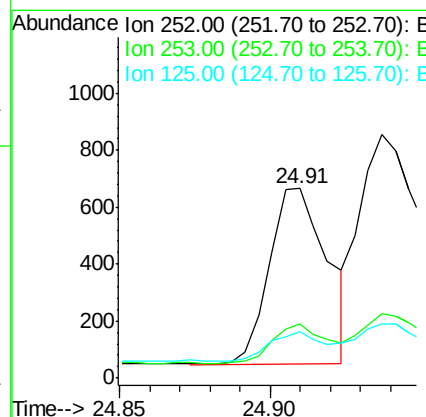
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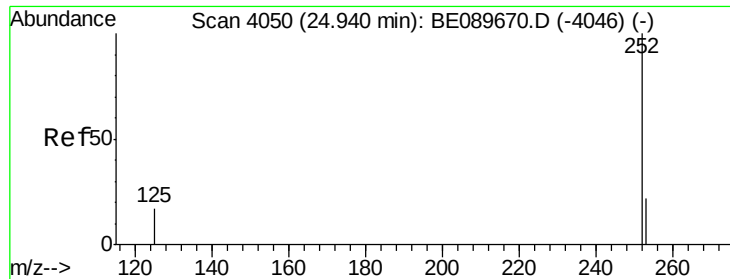
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#26
 Benzo(b)fluoranthene
 Concen: 0.37 ng m
 RT: 24.91 min Scan# 4044
 Delta R.T. -0.00 min
 Lab File: BE089675.D
 Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.6	27.8#
125	24.5	15.0	22.6#





#27

Benzo(k)fluoranthene

Concen: 0.23 ng m

RT: 24.94 min Scan# 4050

Delta R.T. -0.00 min

Lab File: BE089675.D

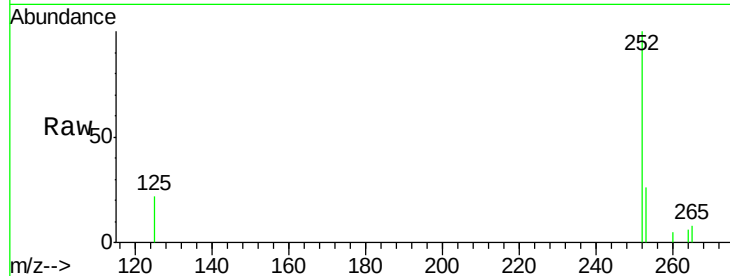
Acq: 24 Feb 2015 17:38

Instrument :

BNA_E

ClientSampleId :

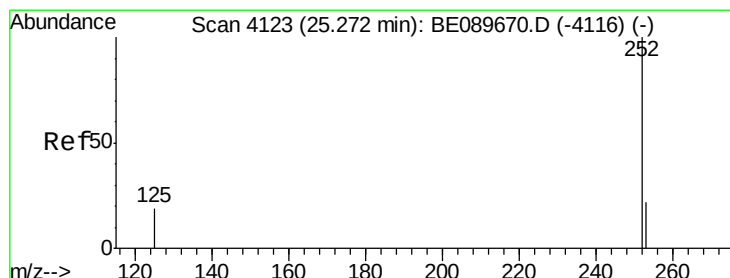
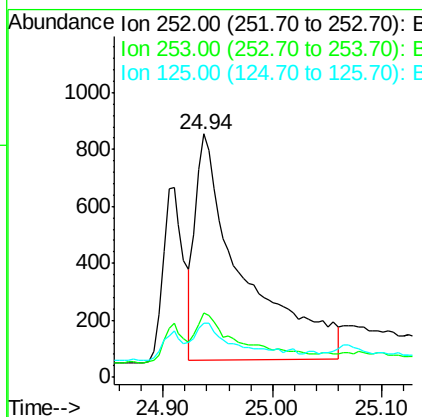
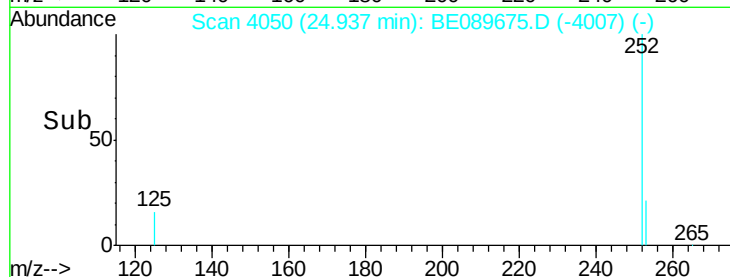
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	22.5	14.3	21.5#

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#28

Benzo(a)pyrene

Concen: 0.15 ng

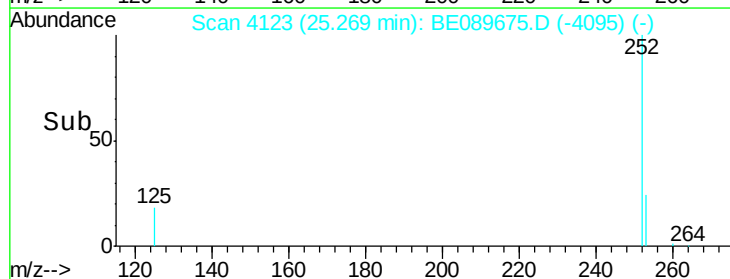
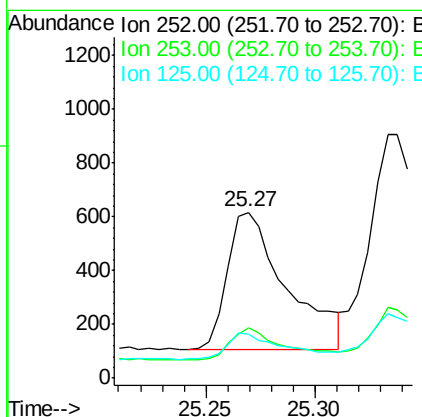
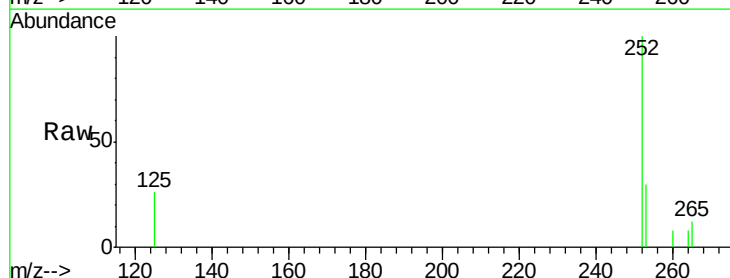
RT: 25.27 min Scan# 4123

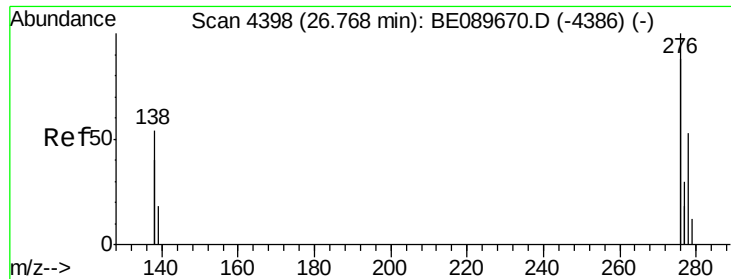
Delta R.T. -0.00 min

Lab File: BE089675.D

Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.8	28.2#
125	26.4	16.6	24.8#





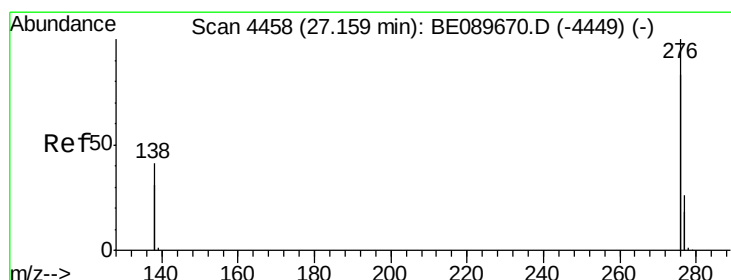
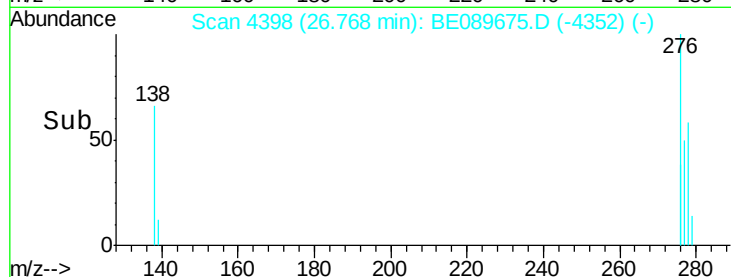
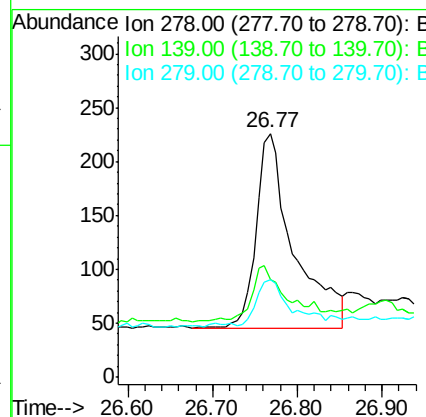
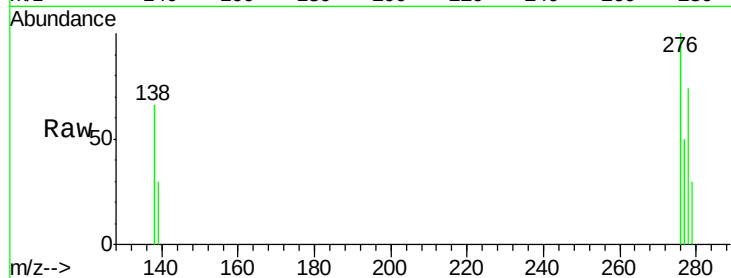
#29
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 26.77 min Scan# 4398
Delta R.T. -0.00 min
Lab File: BE089675.D
Acq: 24 Feb 2015 17:38

Instrument :
BNA_E
ClientSampleId :
MDL-01-S

Tgt Ion	Ratio	Lower	Upper
278	100		
139	40.3	30.4	45.6
279	40.3	22.0	33.0

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#30
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.15 min Scan# 4457
Delta R.T. -0.01 min
Lab File: BE089675.D
Acq: 24 Feb 2015 17:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.7	21.0	31.6
138	46.7	33.0	49.4

