

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089820.D
 Acq On : 24 Mar 2015 18:54
 Operator : TP/JJ
 Sample : PB82216BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB82216BS

Manual Integrations
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Quant Time: Mar 25 03:34:50 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 18:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	171235	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	717362	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	322643	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	551269	5.00	ng	0.00
19) Chrysene-d12	24.26	240	529463	5.00	ng	0.00
25) Perylene-d12	27.41	264	443133	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	446050	8.52	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	678104	8.98	ng	0.00
21) Terphenyl-d14	21.86	244	664454	8.51	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.54	88	167289	7.61	ng	# 89
3) n-Nitrosodimethylamine	2.94	42	258079	7.92	ng	# 77
6) Naphthalene	10.31	128	1017349	7.17	ng	96
7) 2-Methylnaphthalene	11.93	142	617618	7.84	ng	99
10) Acenaphthylene	14.04	152	3601434	7.80	ng	99
11) Acenaphthene	14.47	154	520451	7.36	ng	85
12) Fluorene	15.71	166	660778	7.71	ng	94
14) Hexachlorobenzene	16.99	284	138809	7.58	ng	95
15) Pentachlorophenol	17.50	266	110031	12.89	ng	99
16) Phenanthrene	17.97	178	913641	7.54	ng	100
17) Anthracene	18.10	178	927340	8.56	ng	99
18) Fluoranthene	20.82	202	961936	8.80	ng	99
20) Pyrene	21.35	202	1014465	7.55	ng	97
22) Benzo(a)anthracene	24.24	228	853061	8.61	ng	97
23) Chrysene	24.32	228	903599	8.36	ng	99
24) Indeno(1,2,3-cd)pyrene	29.39	276	715221m	6.62	ng	
26) Benzo(b)fluoranthene	26.64	252	717784	7.53	ng	98
27) Benzo(k)fluoranthene	26.70	252	925483	10.19	ng	# 94
28) Benzo(a)pyrene	27.30	252	708983	7.93	ng	# 89
29) Dibenzo(a,h)anthracene	29.45	278	598117	7.11	ng	# 79
30) Benzo(g,h,i)perylene	29.83	276	714575	7.65	ng	# 89

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

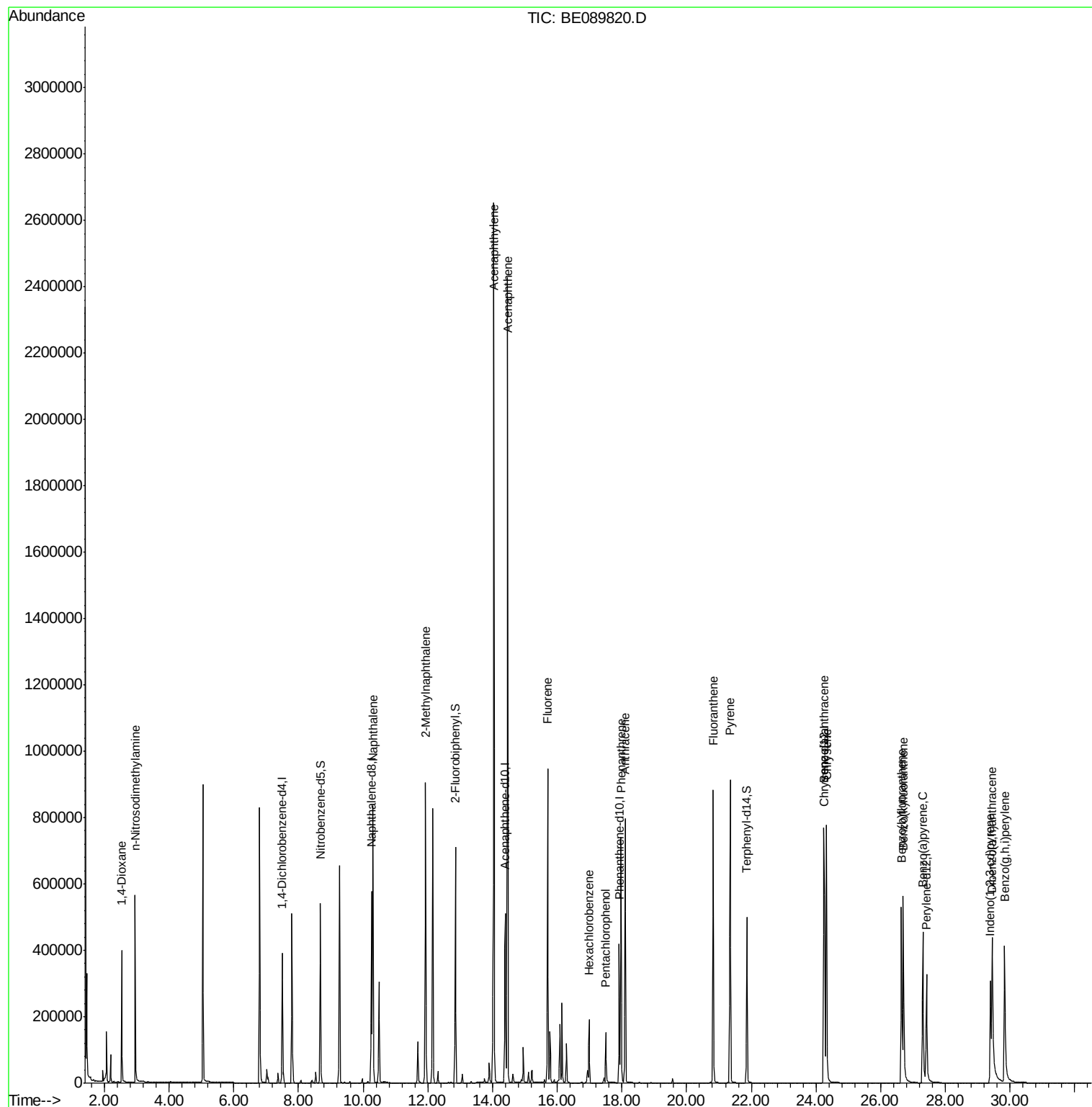
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089820.D
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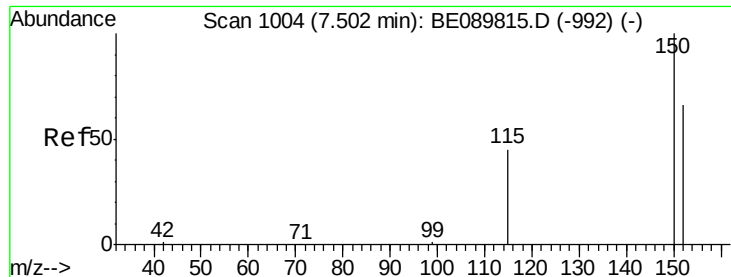
Instrument :
BNA_E
ClientSampleId :
PB82216BS

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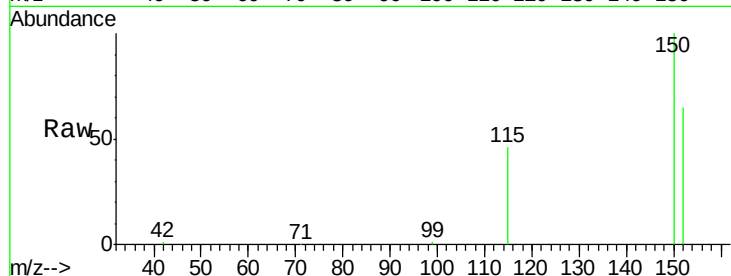
Quant Time: Mar 25 03:34:50 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 24 18:03:12 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.50 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

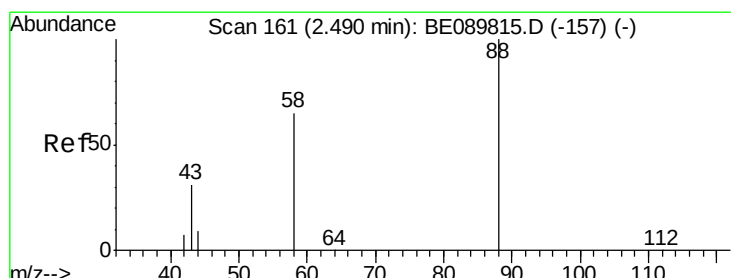
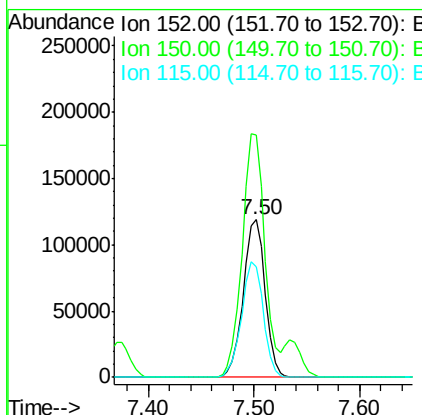
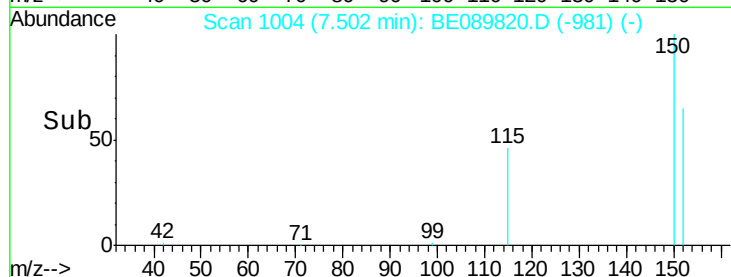
Instrument :
 BNA_E
 ClientSampleID :
 PB82216BS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.0	125.5	188.3
115	70.3	58.0	87.0

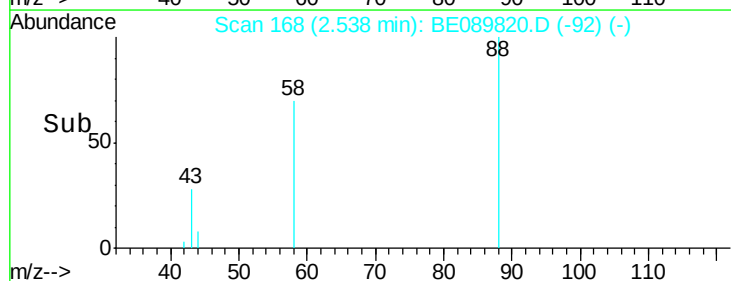
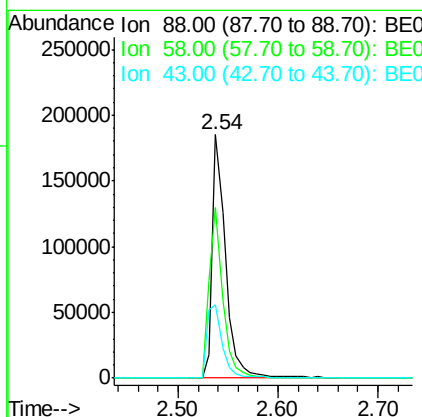
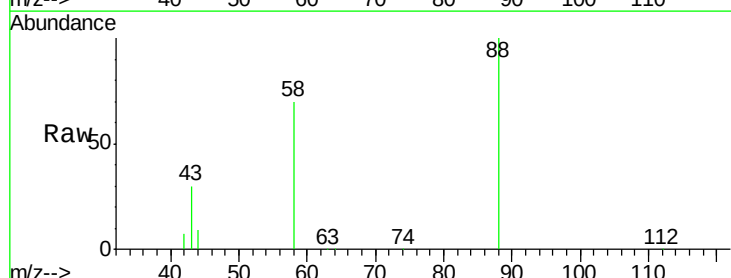
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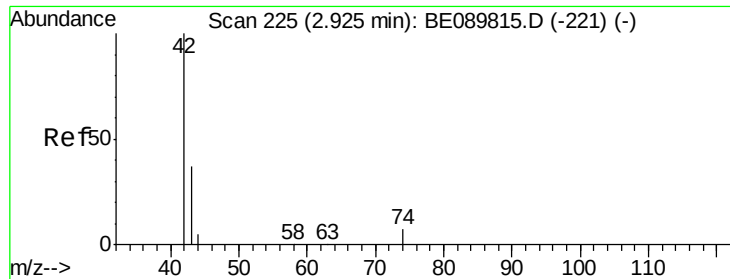
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#2
 1,4-Dioxane
 Concen: 7.61 ng
 RT: 2.54 min Scan# 168
 Delta R.T. 0.01 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.8	48.6	72.8#
43	35.4	28.6	43.0





#3

n-Nitrosodimethylamine

Concen: 7.92 ng

RT: 2.94 min Scan# 228

Delta R.T. -0.05 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

ClientSampleId :

PB82216BS

Tgt Ion: 42 Resp: 258079

Ion Ratio Lower Upper

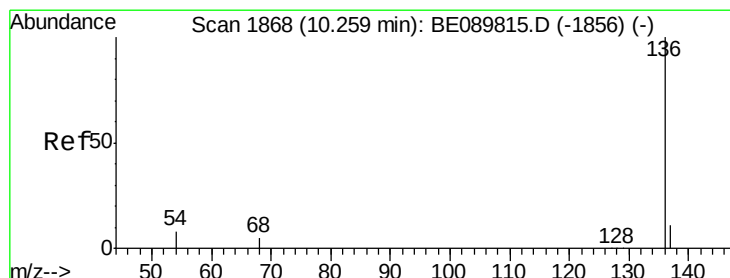
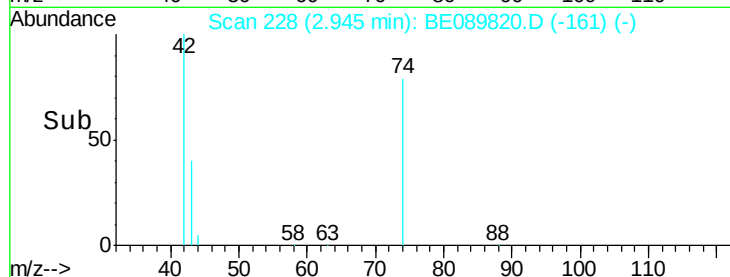
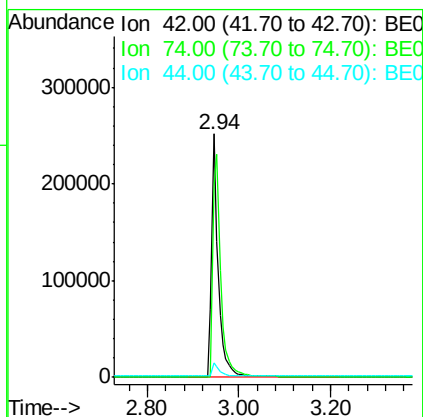
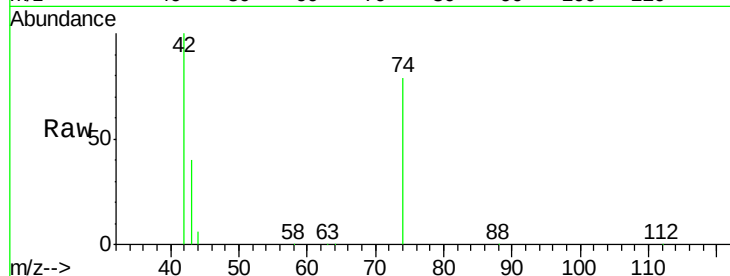
42 100

74 108.0 68.7 103.1#

44 5.7 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: BE089820.D

Acq: 24 Mar 2015 18:54

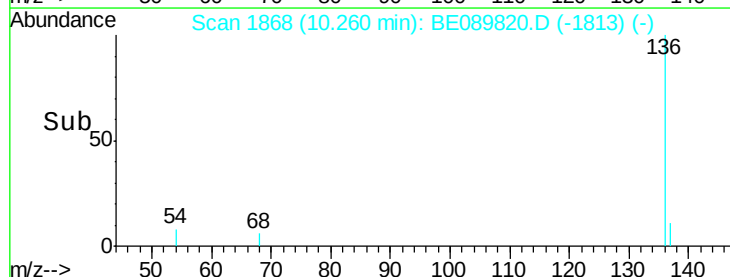
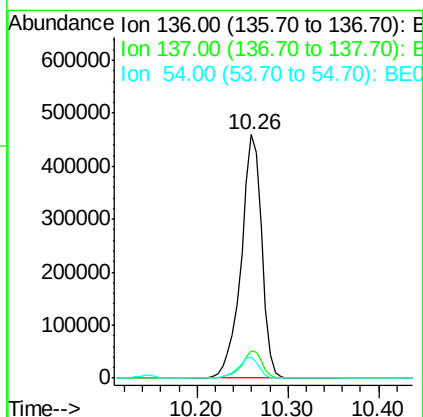
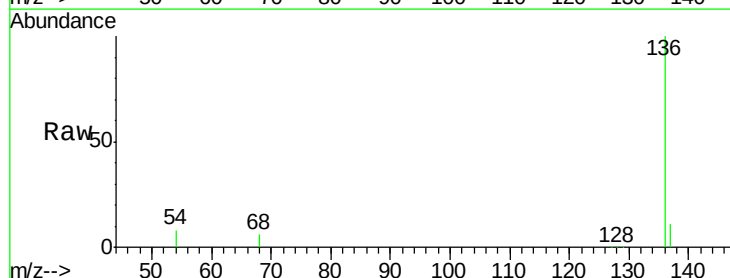
Tgt Ion: 136 Resp: 717362

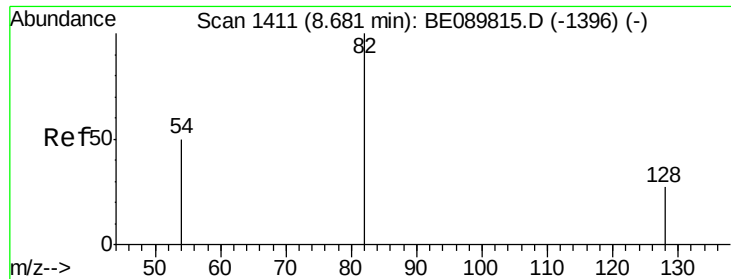
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.5 7.0 10.4





#5

Nitrobenzene-d5

Concen: 8.52 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089820.D

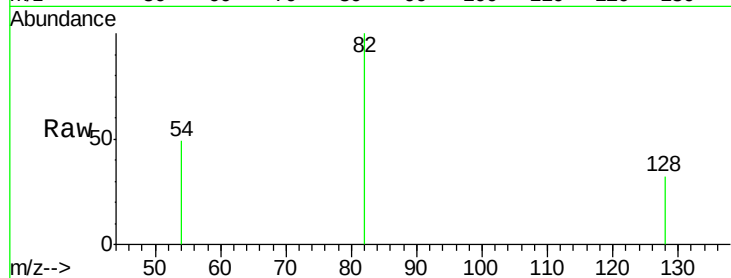
Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

ClientSampleId :

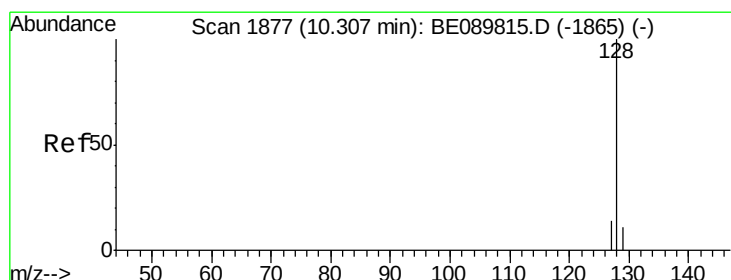
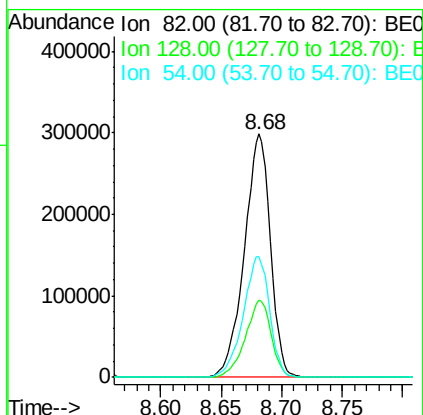
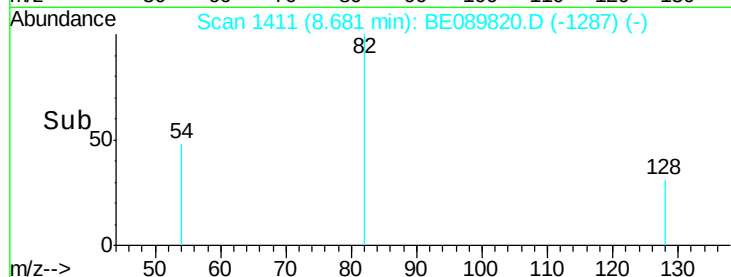
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.5	24.6	37.0
54	49.4	43.0	64.6

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#6

Naphthalene

Concen: 7.17 ng

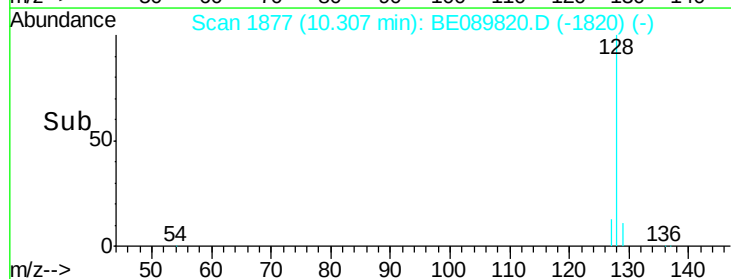
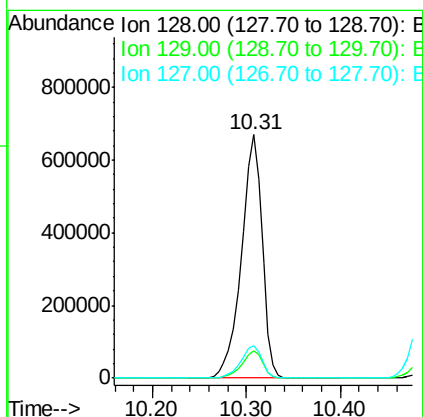
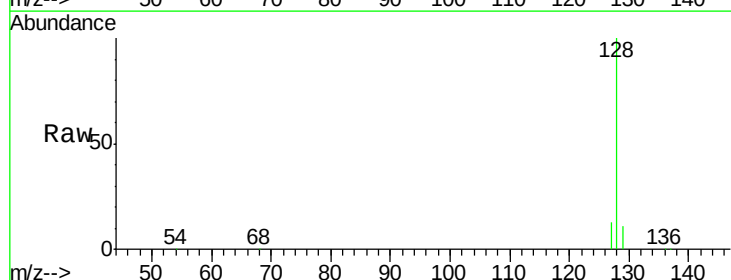
RT: 10.31 min Scan# 1877

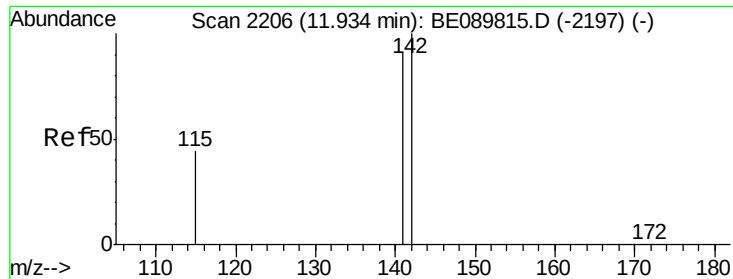
Delta R.T. 0.00 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	10.0	15.0
127	13.5	12.5	18.7





#7

2-Methylnaphthalene

Concen: 7.84 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089820.D

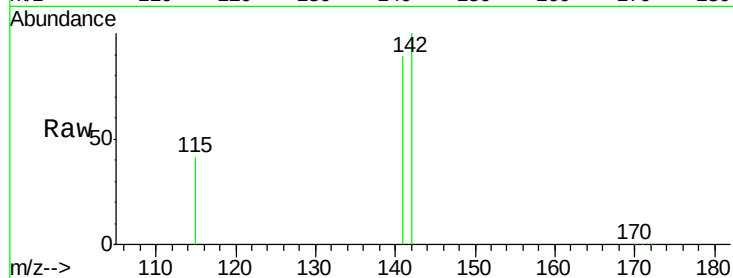
Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

ClientSampled :

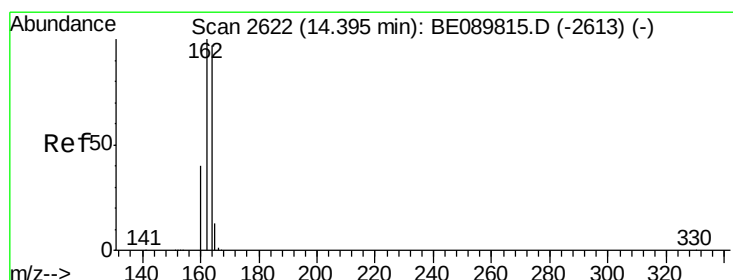
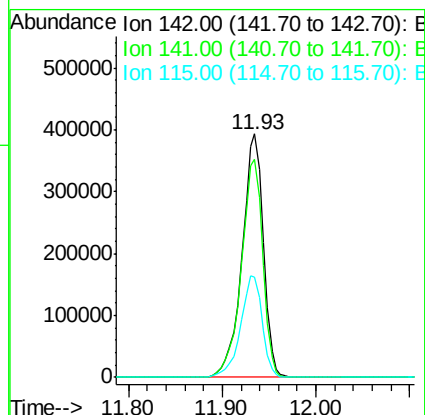
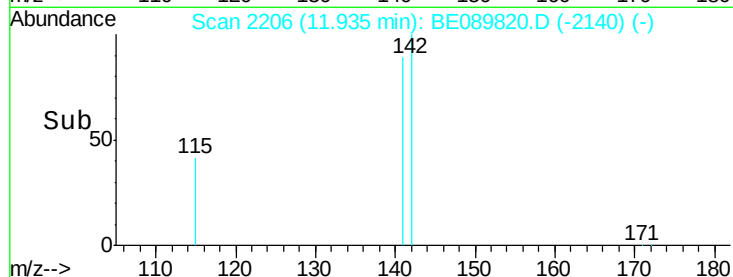
PB82216BS



Tgt Ion:	142	Resp:	617618
Ion Ratio	Lower	Upper	
142	100		
141	89.5	72.8	109.2
115	41.0	32.9	49.3

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#8

Acenaphthene-d10

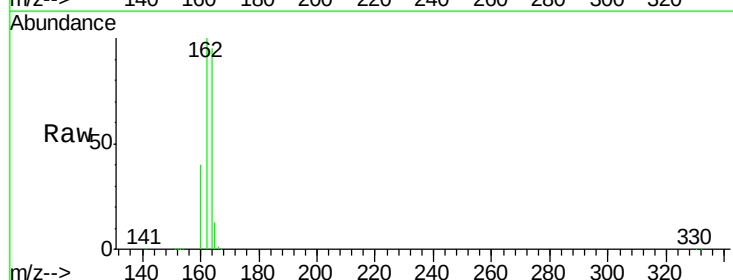
Concen: 5.00 ng

RT: 14.40 min Scan# 2622

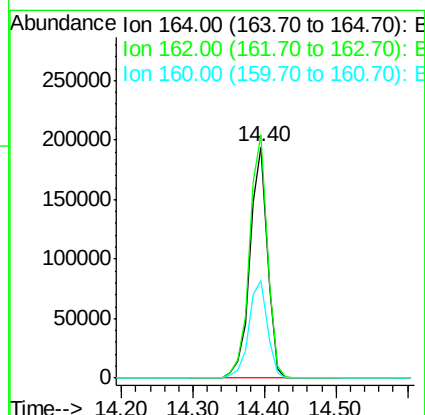
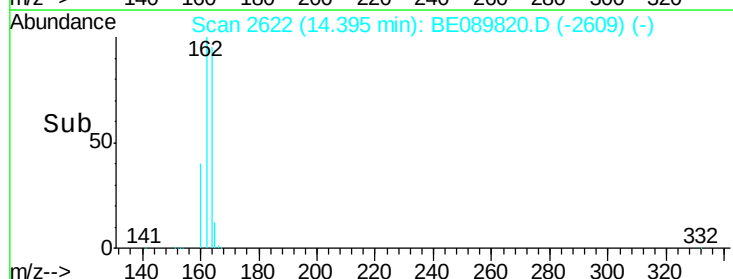
Delta R.T. 0.01 min

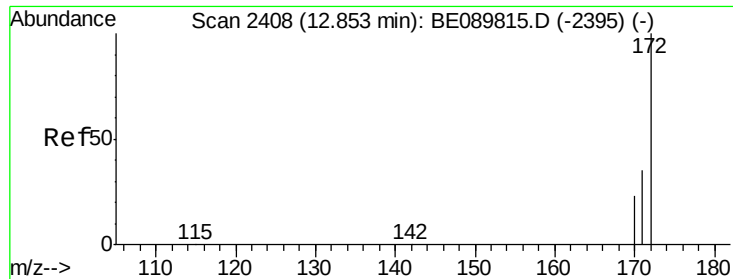
Lab File: BE089820.D

Acq: 24 Mar 2015 18:54



Tgt Ion:	164	Resp:	322643
Ion Ratio	Lower	Upper	
164	100		
162	105.2	87.6	131.4
160	42.4	36.7	55.1





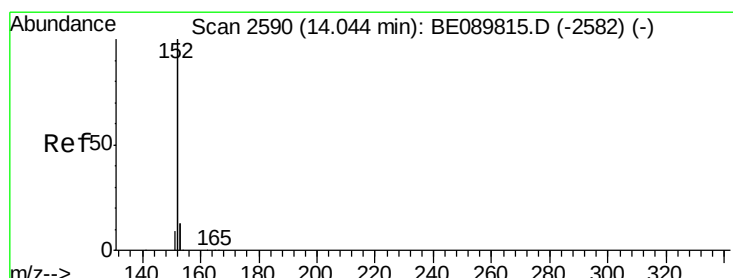
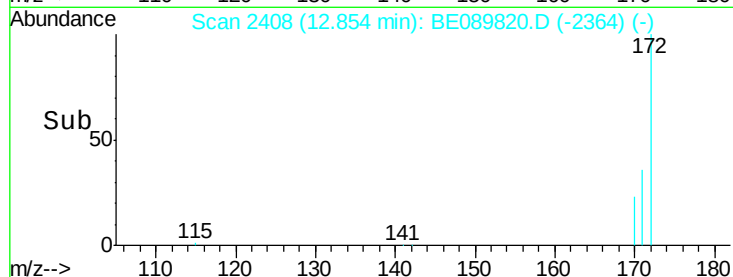
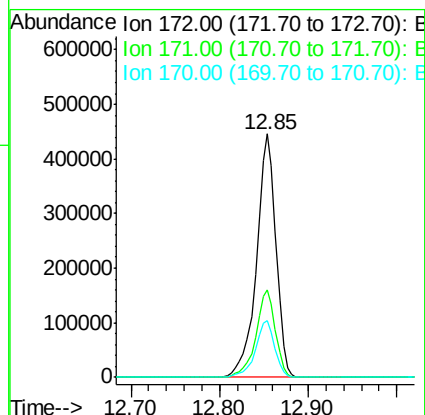
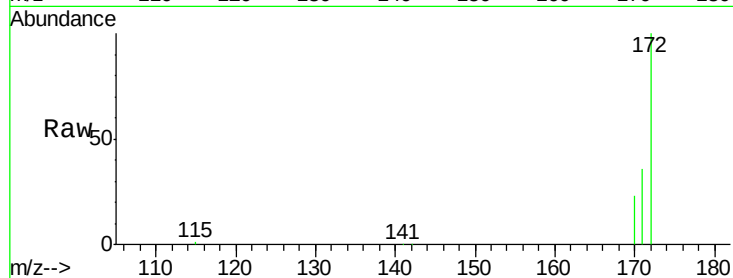
#9
2-Fluorobiphenyl
Concen: 8.98 ng
RT: 12.85 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BE089820.D
Acq: 24 Mar 2015 18:54

Instrument :
BNA_E
ClientSampleId :
PB82216BS

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.8	46.2
170	23.1	21.0	31.4

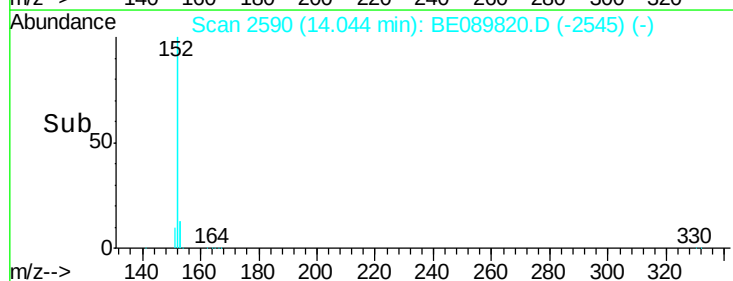
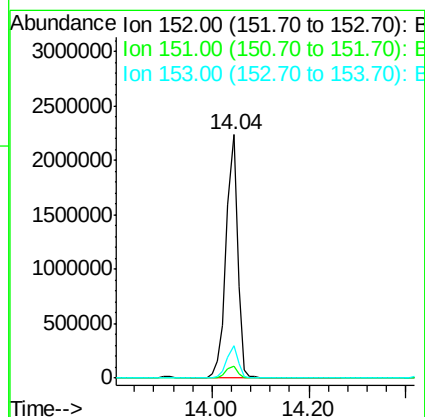
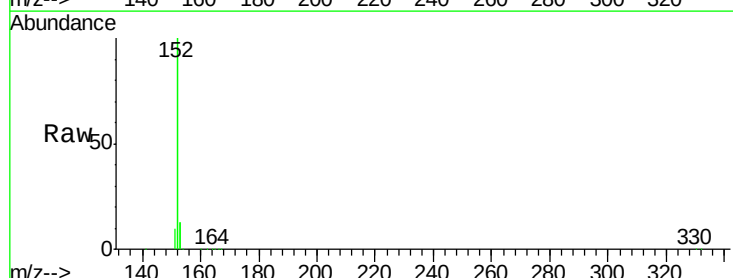
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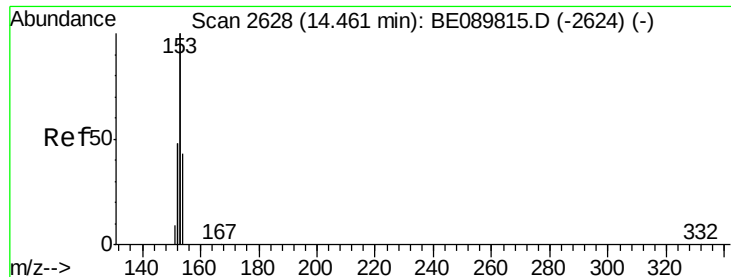
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#10
Acenaphthylene
Concen: 7.80 ng
RT: 14.04 min Scan# 2590
Delta R.T. -0.00 min
Lab File: BE089820.D
Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.1	3.9	5.9
153	13.2	11.0	16.4





#11

Acenaphthene

Concen: 7.36 ng

RT: 14.47 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

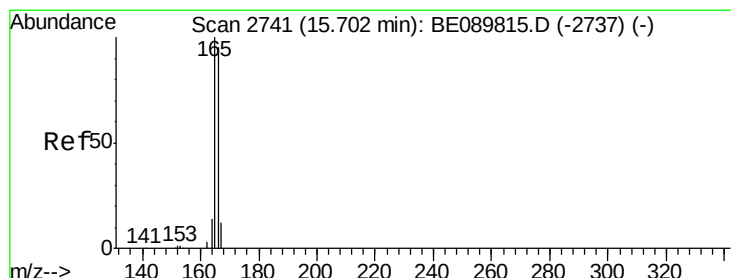
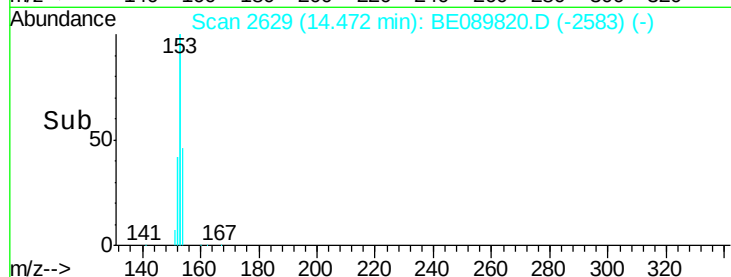
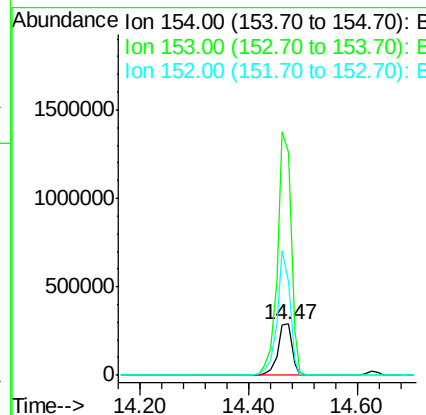
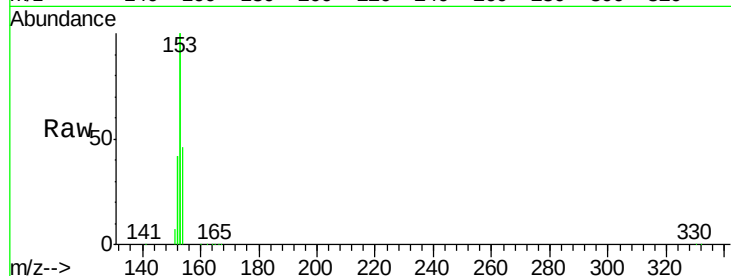
ClientSampleId :

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Tgt	Ion	Resp	Lower	Upper
154	100			
153	462.1	401.5	602.3	
152	220.1	198.6	298.0	



#12

Fluorene

Concen: 7.71 ng

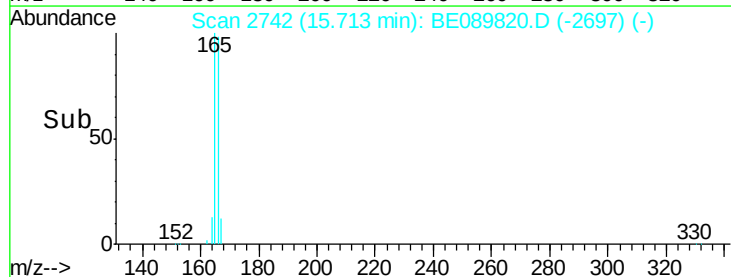
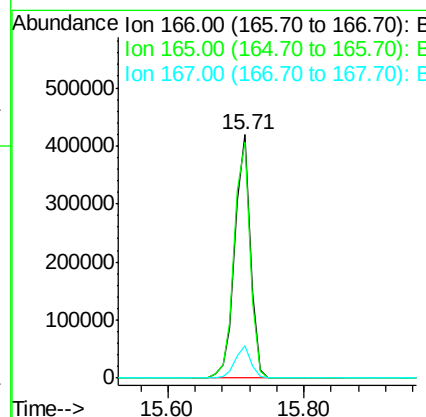
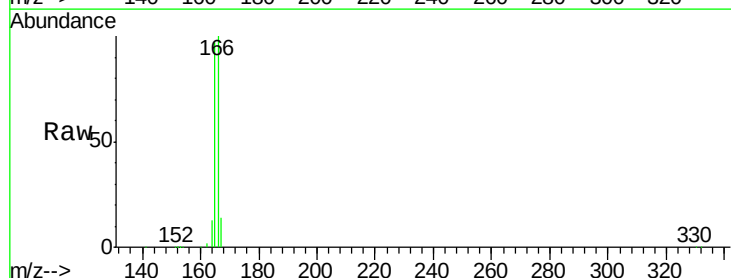
RT: 15.71 min Scan# 2742

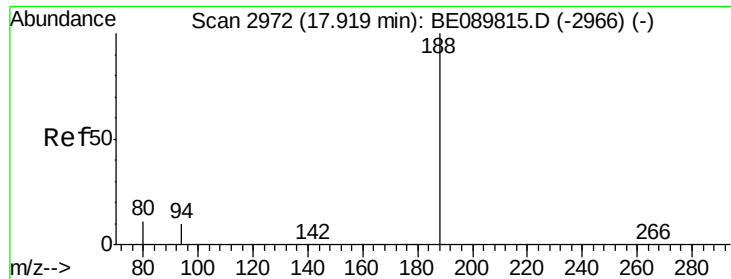
Delta R.T. -0.00 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Tgt	Ion	Resp	Lower	Upper
166	100			
165	99.9	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: BE089820.D

Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

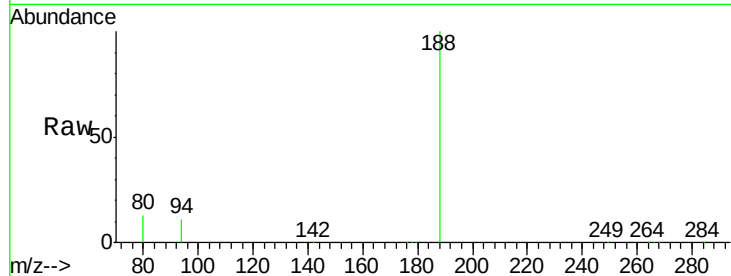
ClientSampleId :

PB82216BS

Tgt Ion:	188	Resp:	551269
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	13.1	10.0	15.0

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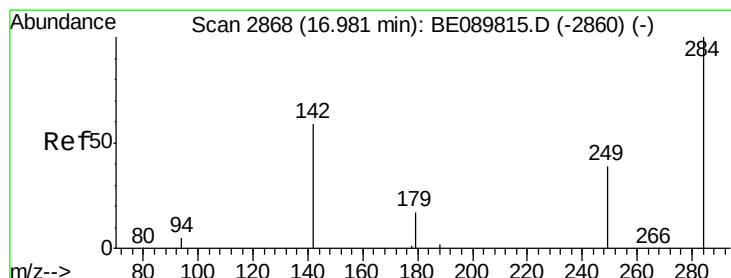
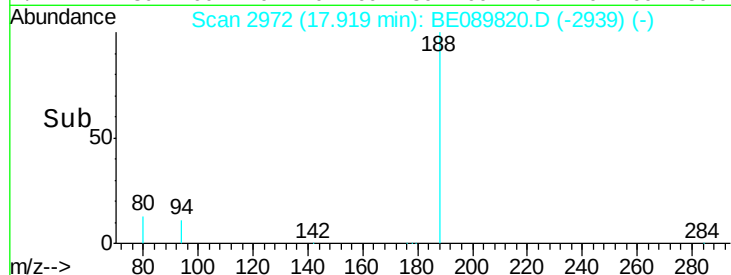
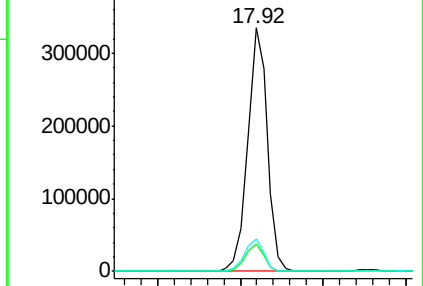
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14

Hexachlorobenzene

Concen: 7.58 ng

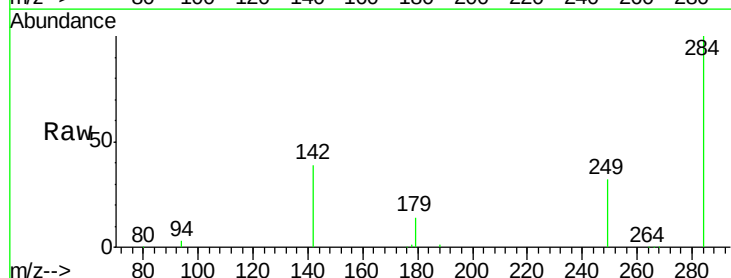
RT: 16.99 min Scan# 2869

Delta R.T. 0.01 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

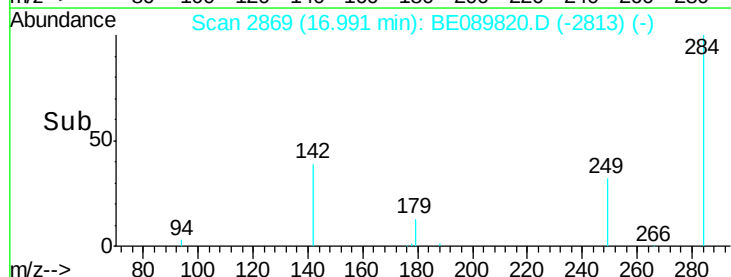
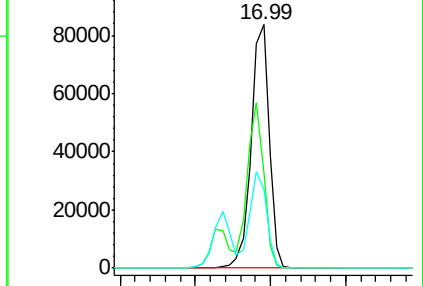
Tgt Ion:	284	Resp:	138809
Ion Ratio	Lower	Upper	
284	100		
142	61.2	53.3	79.9
249	37.6	31.1	46.7

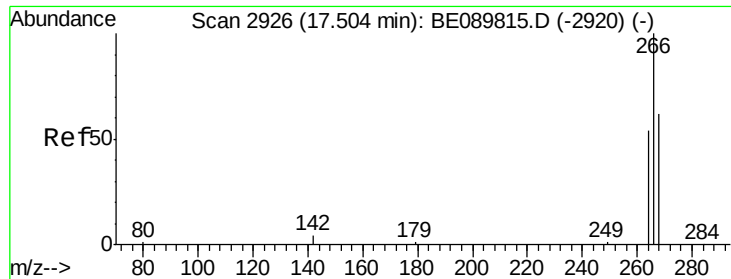


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

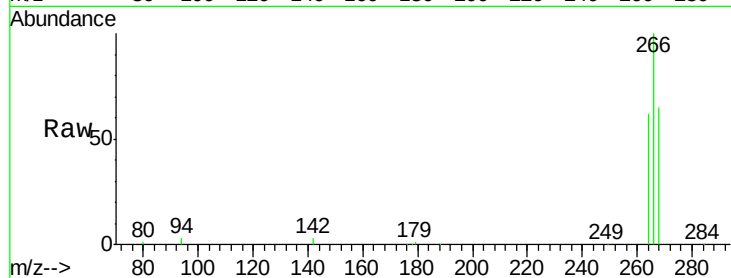
Ion 249.00 (248.70 to 249.70): E





#15
 Pentachlorophenol
 Concen: 12.89 ng
 RT: 17.50 min Scan# 2926
 Delta R.T. 0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

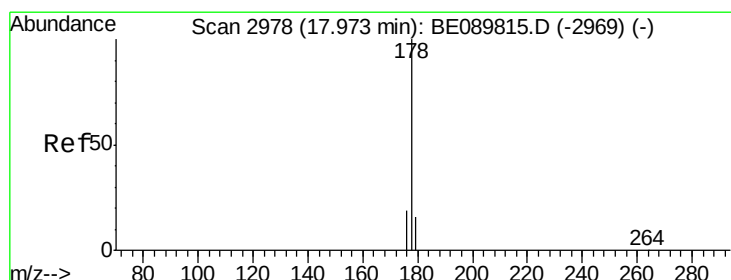
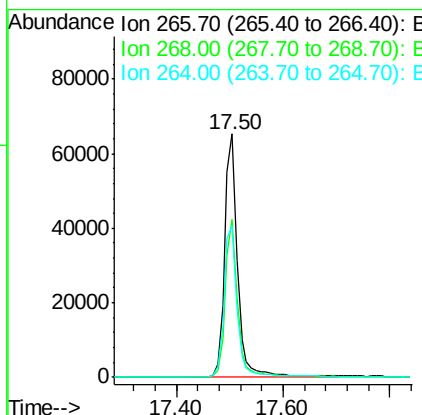
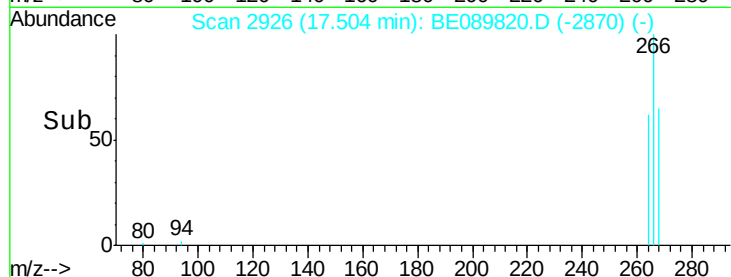
Instrument :
 BNA_E
 ClientSampleId :
 PB82216BS



Tgt Ion	Ratio	Resp	Lower	Upper
266	100	110031		
268	64.8	51.6	77.4	
264	62.1	50.2	75.2	

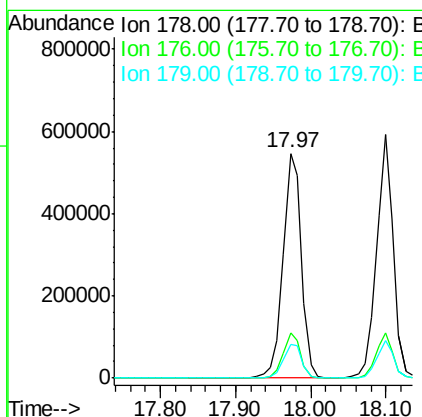
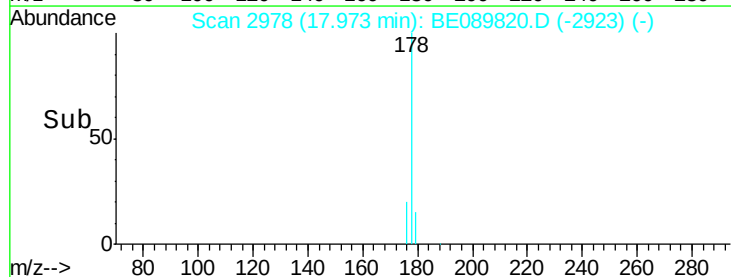
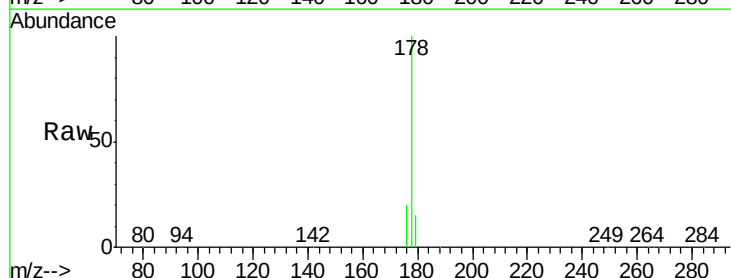
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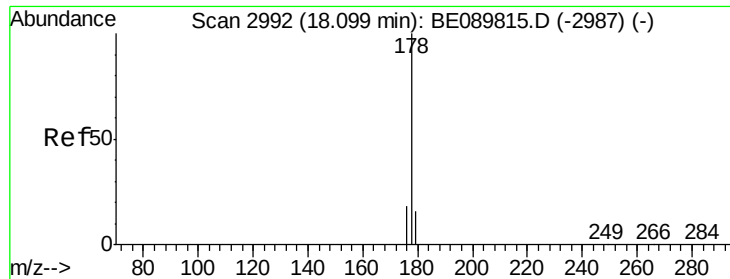
mohammad
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#16
 Phenanthrene
 Concen: 7.54 ng
 RT: 17.97 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	913641		
176	19.3	15.4	23.0	
179	15.4	12.2	18.4	





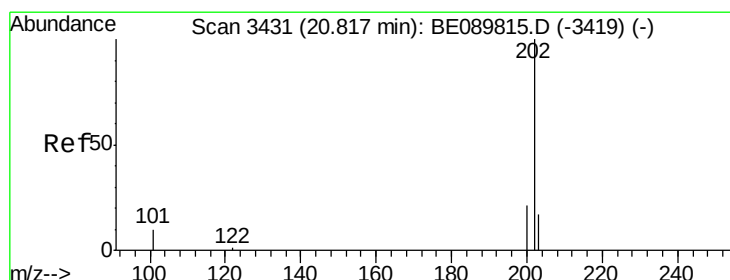
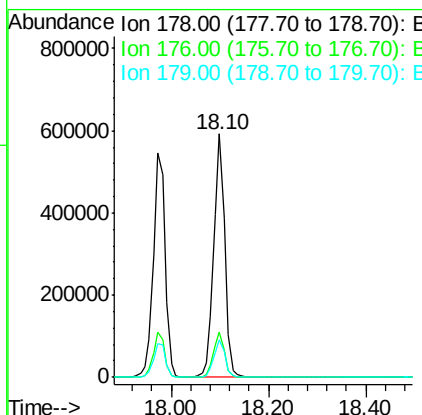
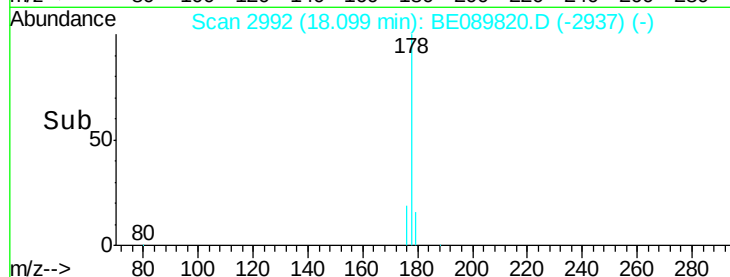
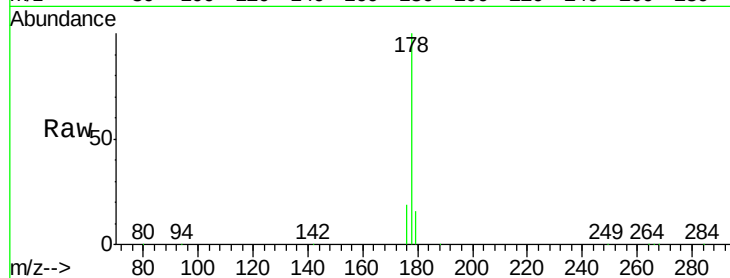
#17
 Anthracene
 Concen: 8.56 ng
 RT: 18.10 min Scan# 2992
 Delta R.T. -0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Instrument :
 BNA_E
 ClientSampleId :
 PB82216BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.3	12.1	18.1

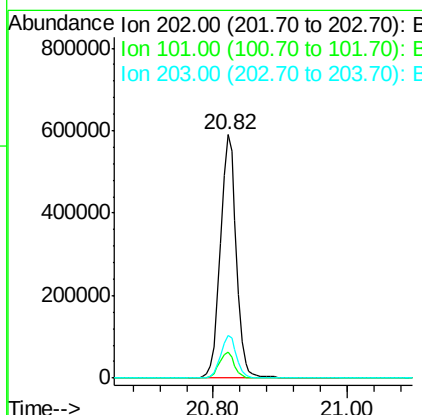
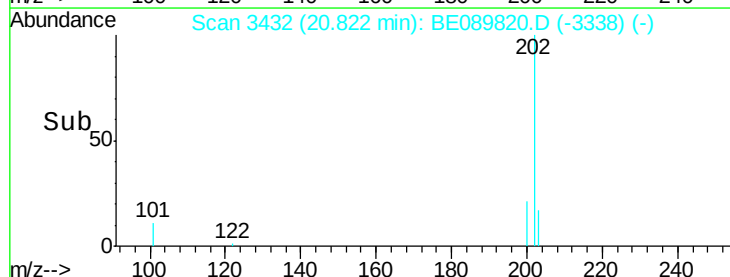
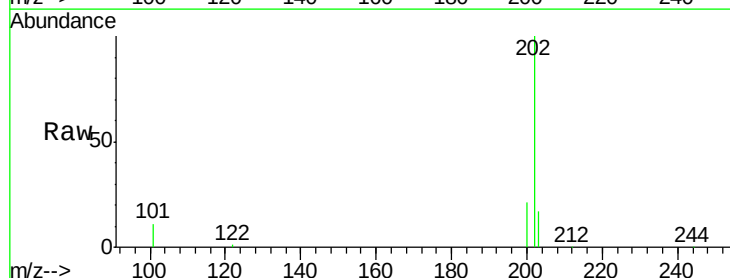
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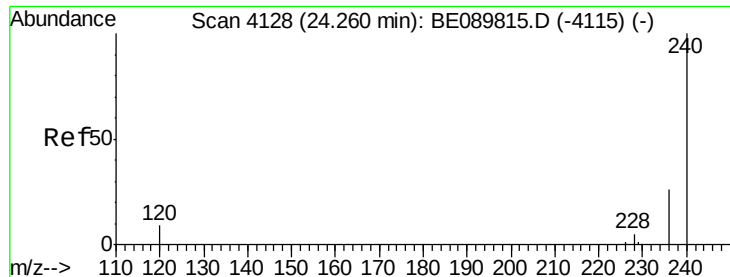
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#18
 Fluoranthene
 Concen: 8.80 ng
 RT: 20.82 min Scan# 3432
 Delta R.T. -0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.2	12.2
203	17.5	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BE089820.D

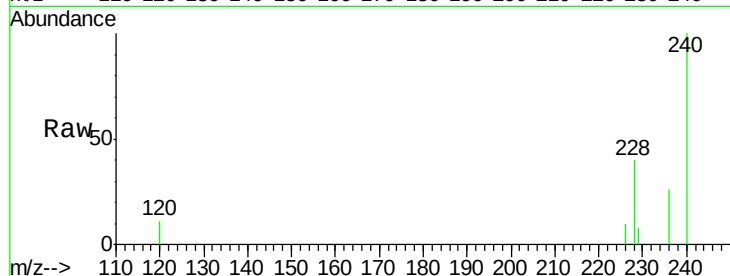
Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

ClientSampleId :

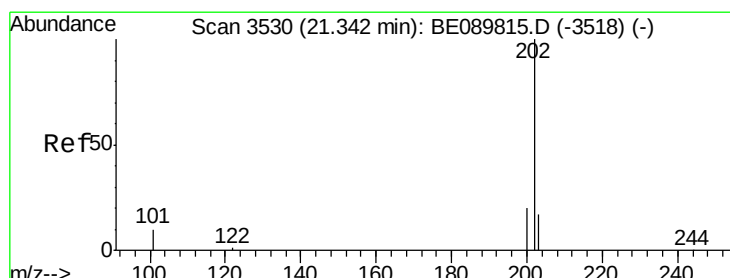
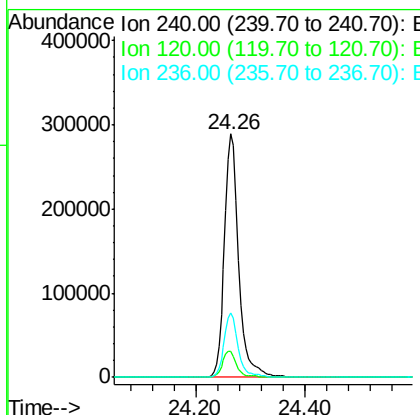
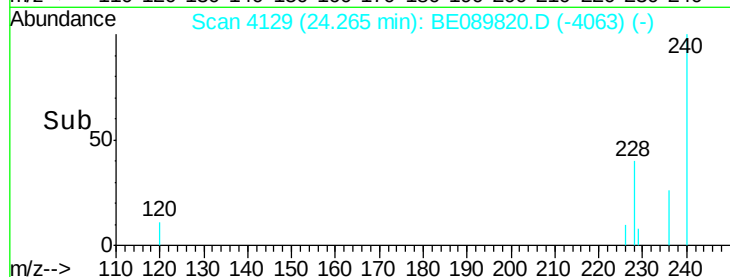
PB82216BS



Tgt Ion:	240	Resp:	529463
Ion Ratio	Lower	Upper	
240	100		
120	10.8	7.5	11.3
236	26.4	20.5	30.7

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#20

Pyrene

Concen: 7.55 ng

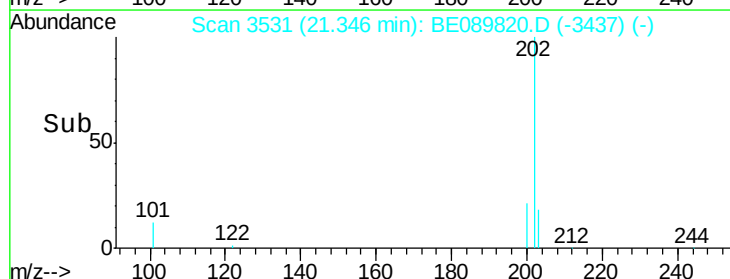
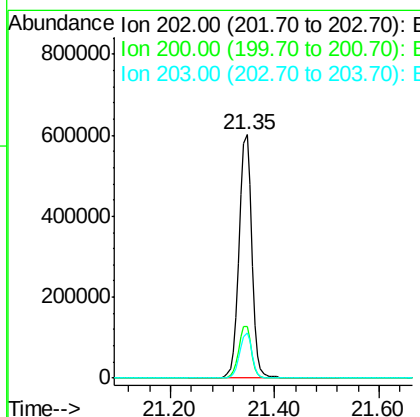
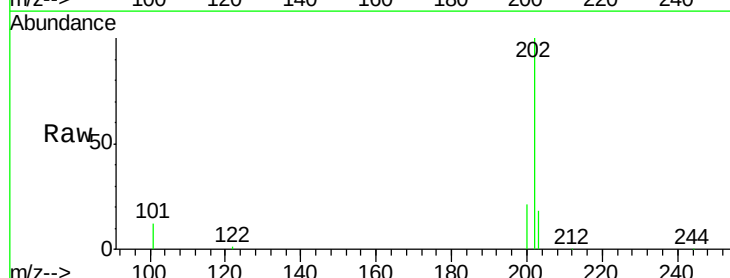
RT: 21.35 min Scan# 3531

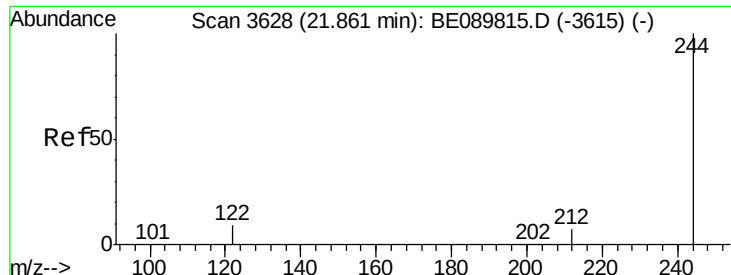
Delta R.T. -0.00 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Tgt Ion:	202	Resp:	1014465
Ion Ratio	Lower	Upper	
202	100		
200	21.1	15.9	23.9
203	18.1	13.6	20.4





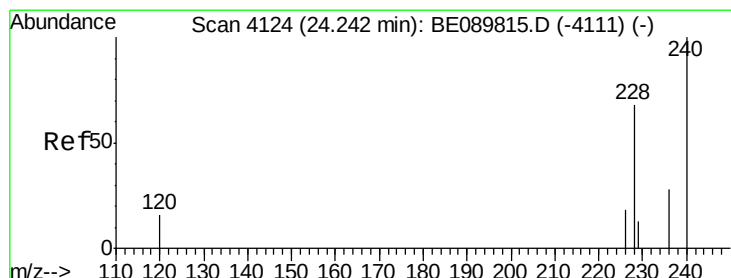
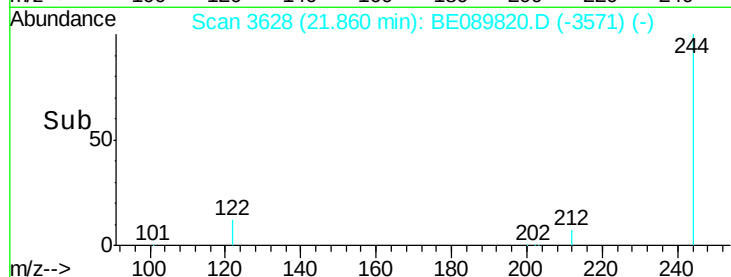
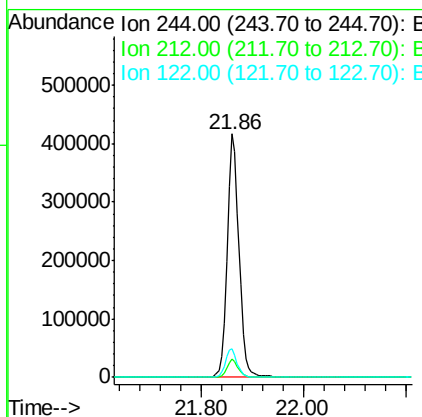
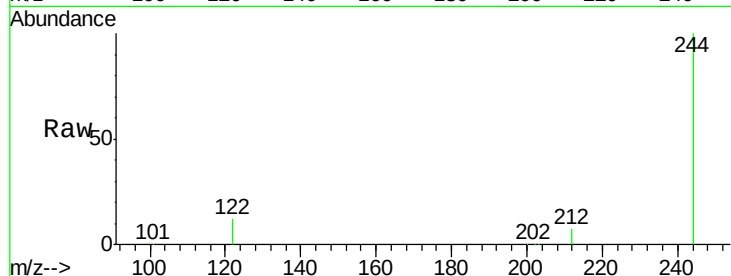
#21
 Terphenyl-d14
 Concen: 8.51 ng
 RT: 21.86 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Instrument :
 BNA_E
 ClientSampleId :
 PB82216BS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	7.3	10.9
122	11.7	10.5	15.7

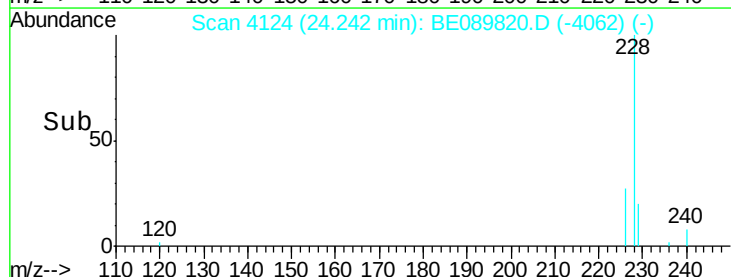
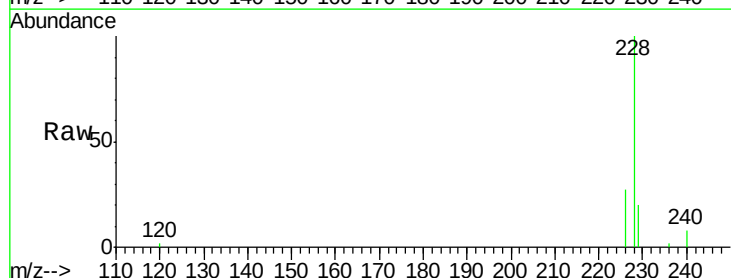
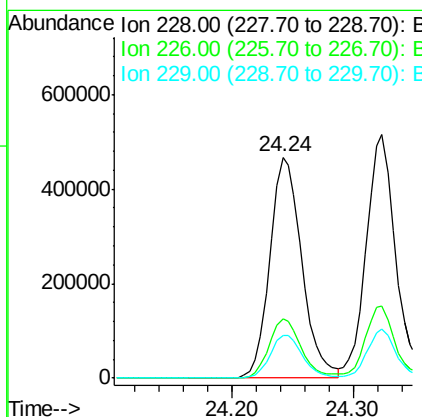
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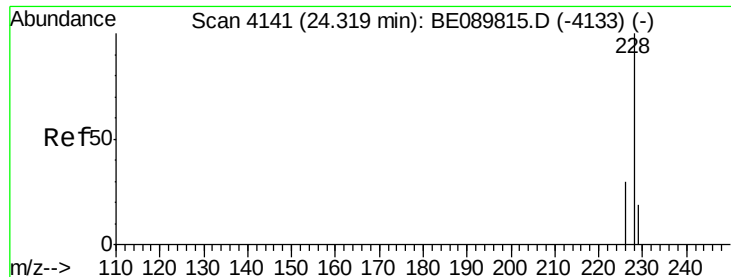
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#22
 Benzo(a)anthracene
 Concen: 8.61 ng
 RT: 24.24 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	19.8	29.8
229	19.5	16.3	24.5





#23

Chrysene

Concen: 8.36 ng

RT: 24.32 min Scan# 4142

Delta R.T. 0.01 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

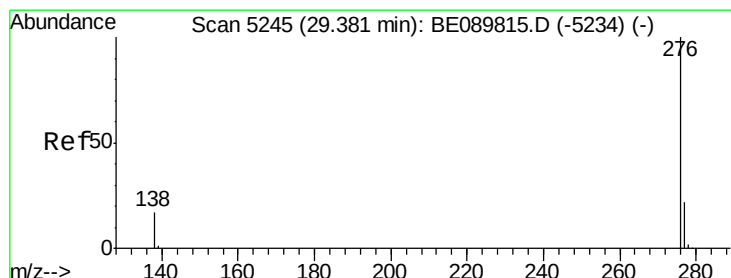
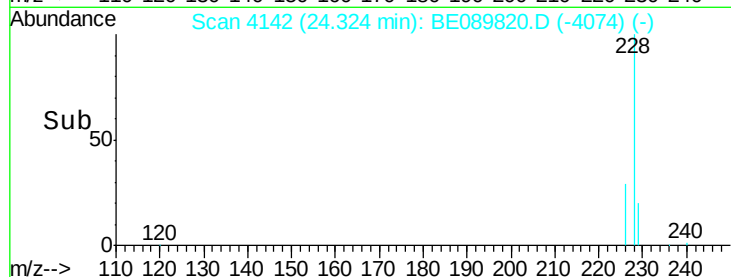
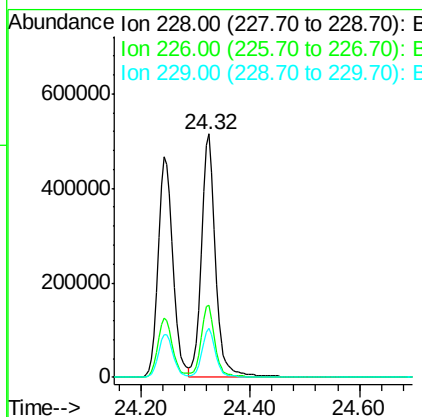
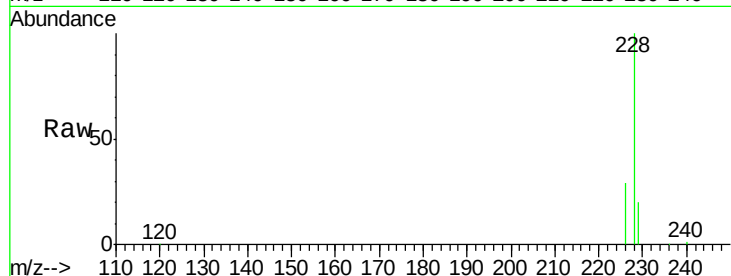
ClientSampleId :

PB82216BS

Tgt Ion:	228	Resp:	903599
Ion Ratio		Lower	Upper
228	100		
226	29.4	23.0	34.4
229	20.0	15.8	23.6

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#24

Indeno(1,2,3-cd)pyrene

Concen: 6.62 ng m

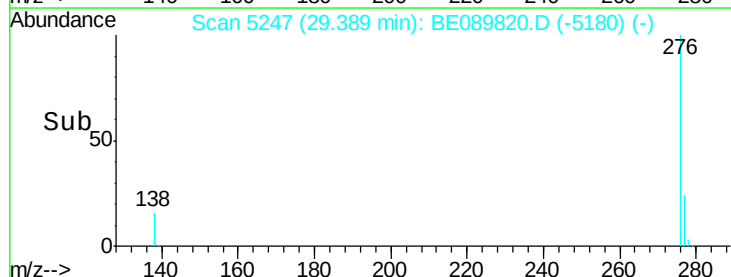
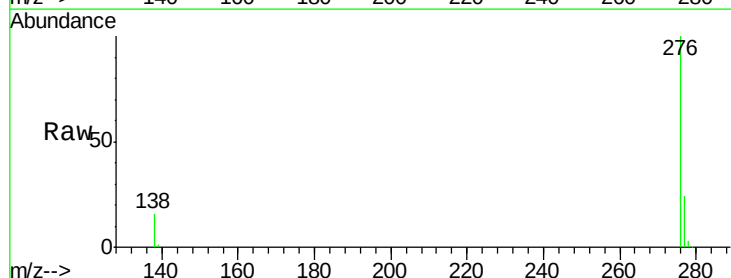
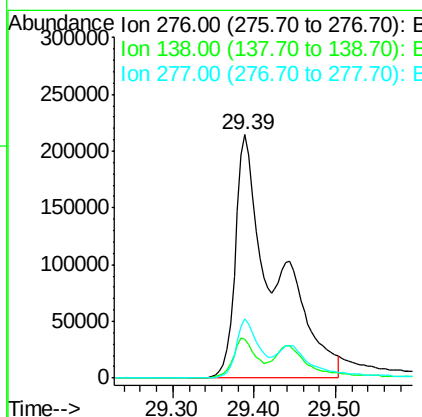
RT: 29.39 min Scan# 5247

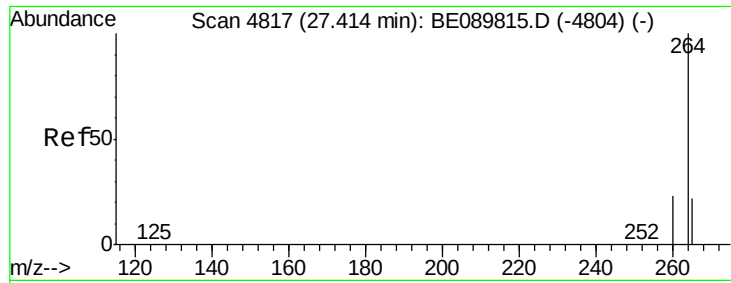
Delta R.T. 0.00 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Tgt Ion:	276	Resp:	715221
Ion Ratio		Lower	Upper
276	100		
138	9.4	4.3	6.5#
277	14.3	9.0	13.4#





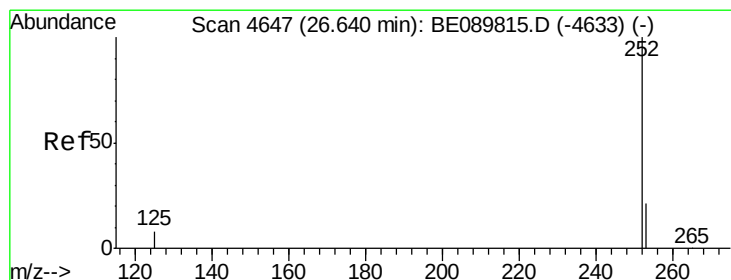
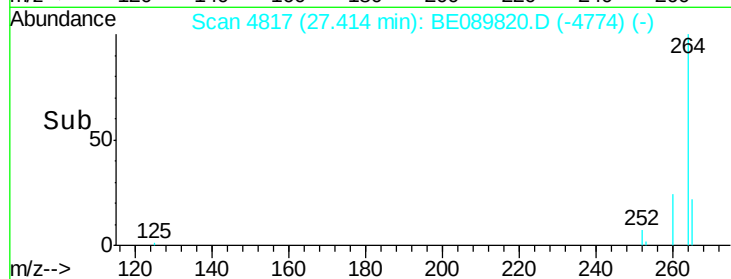
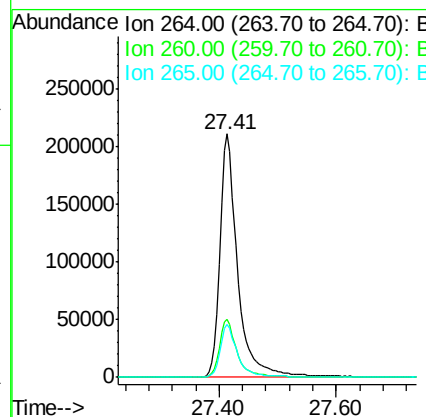
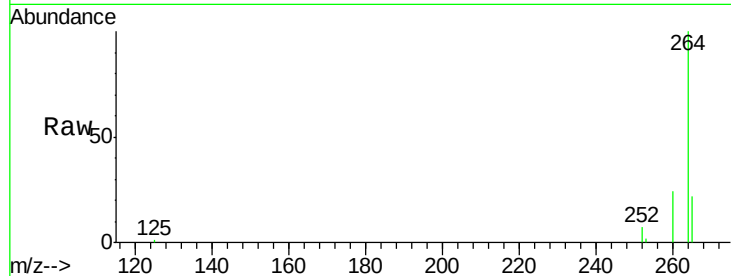
#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. -0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Instrument :
 BNA_E
 ClientSampleId :
 PB82216BS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	21.8	17.3	25.9

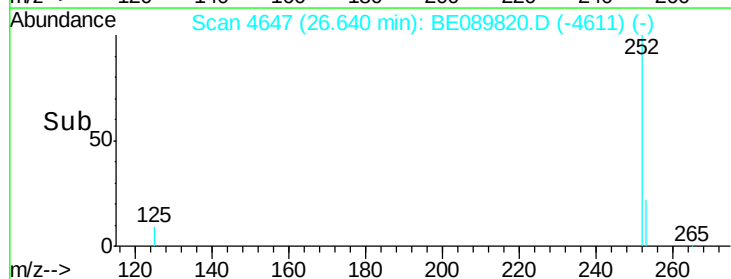
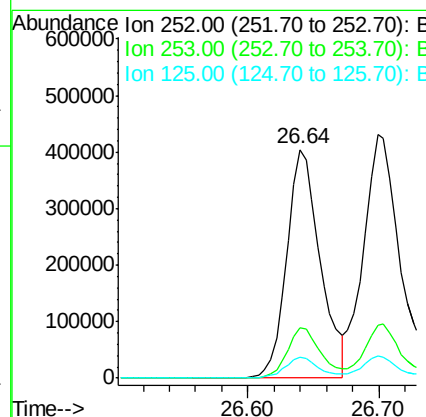
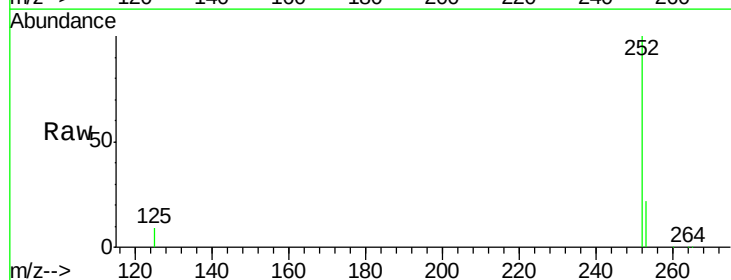
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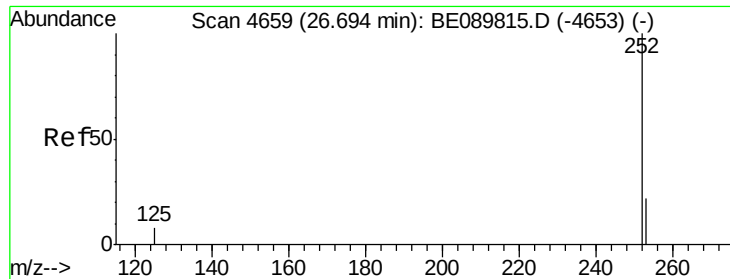
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#26
Benzo(b)fluoranthene
 Concen: 7.53 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.00 min
 Lab File: BE089820.D
 Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.2	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 10.19 ng

RT: 26.70 min Scan# 4660

Delta R.T. -0.00 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Instrument :

BNA_E

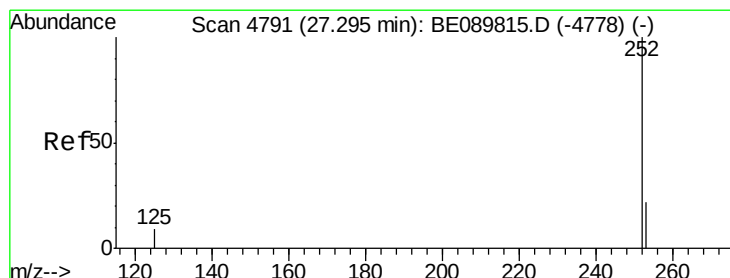
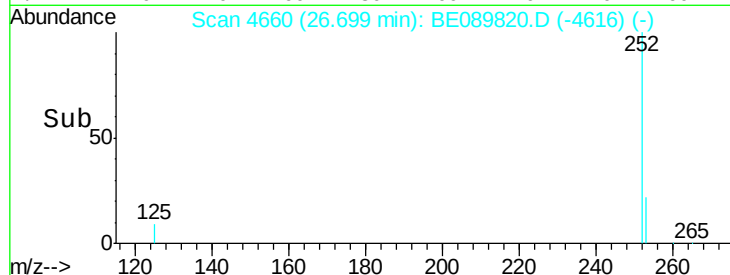
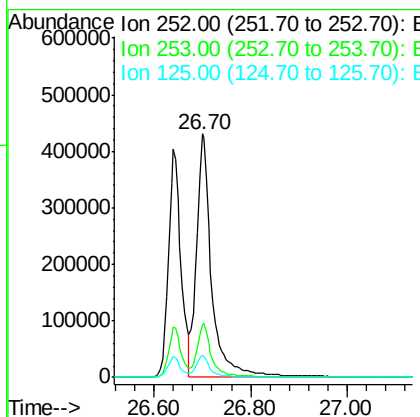
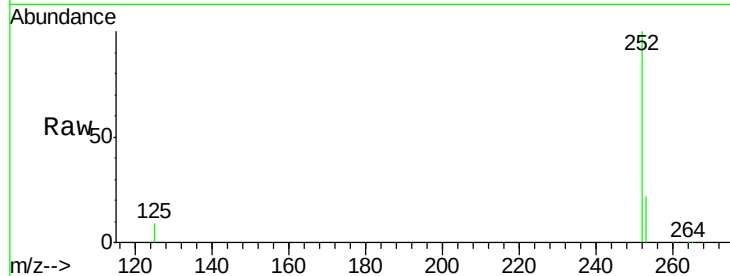
ClientSampleId :

PB82216BS

Tgt	Ion	252	Resp:	925483
Ion	Ratio	Lower	Upper	
252	100			
253	21.7	18.6	28.0	
125	9.3	10.8	16.2	

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#28

Benzo(a)pyrene

Concen: 7.93 ng

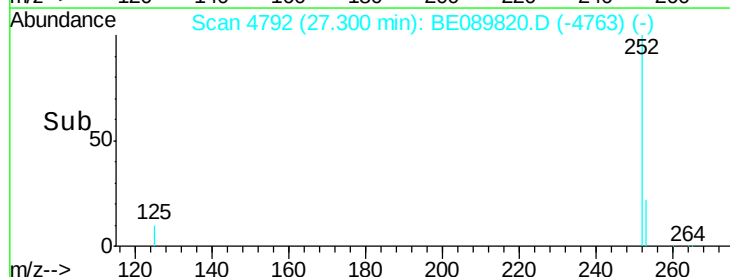
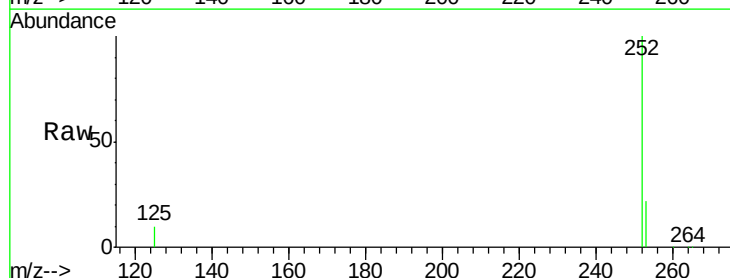
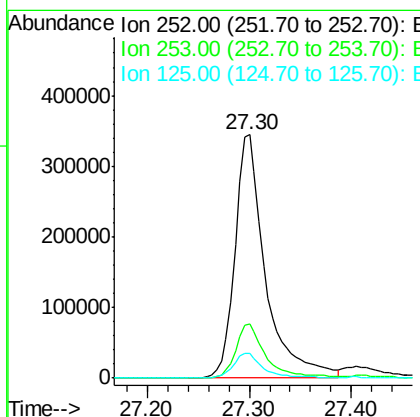
RT: 27.30 min Scan# 4792

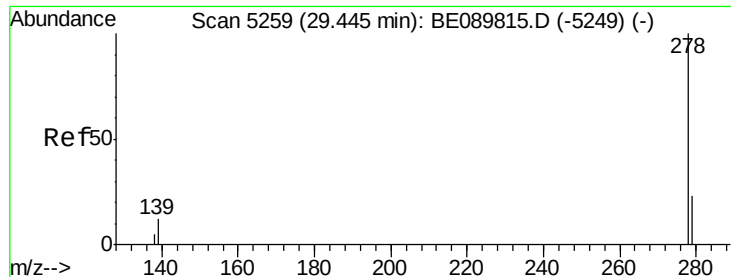
Delta R.T. 0.00 min

Lab File: BE089820.D

Acq: 24 Mar 2015 18:54

Tgt	Ion	252	Resp:	708983
Ion	Ratio	Lower	Upper	
252	100			
253	22.3	21.0	31.4	
125	10.0	13.3	19.9	





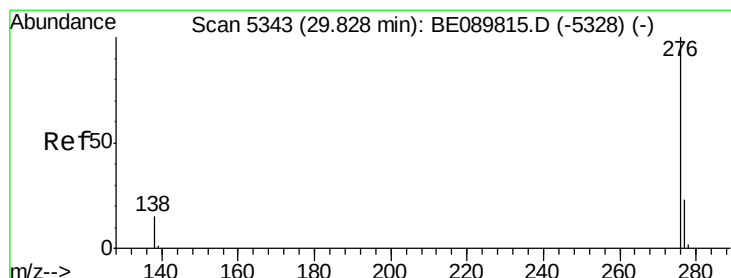
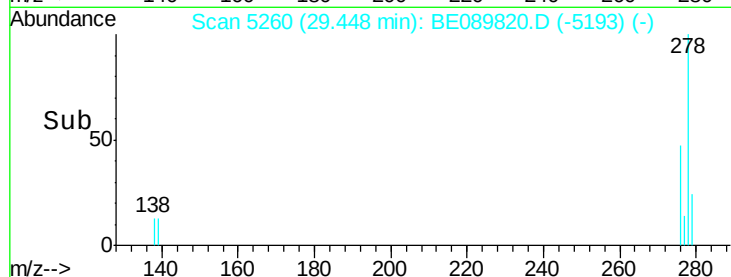
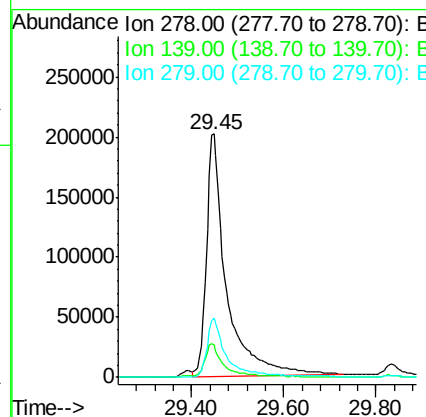
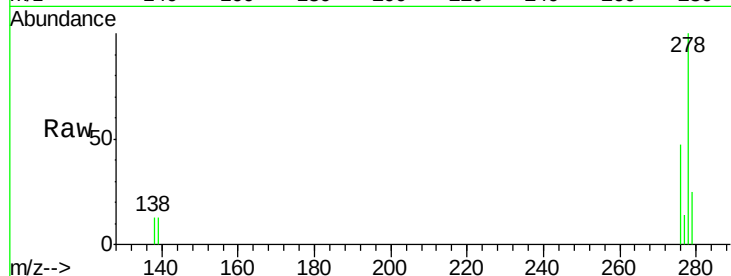
#29
Dibenzo(a,h)anthracene
Concen: 7.11 ng
RT: 29.45 min Scan# 5260
Delta R.T. 0.00 min
Lab File: BE089820.D
Acq: 24 Mar 2015 18:54

Instrument :
BNA_E
ClientSampleId :
PB82216BS

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	598117		
139	13.1	20.0	30.0#	
279	24.5	28.9	43.3#	

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#30
Benzo(g,h,i)perylene
Concen: 7.65 ng
RT: 29.83 min Scan# 5344
Delta R.T. 0.01 min
Lab File: BE089820.D
Acq: 24 Mar 2015 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	714575		
277	23.3	19.2	28.8	
138	18.2	22.9	34.3#	

