

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088181.D
 Acq On : 22 Oct 2014 14:54
 Operator : TP/JJ
 Sample : PB79727BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79727BS

Manual Integrations
 APPROVED

mohammad
 10/28/2014 12:05:39 PM

Quant Time: Oct 27 04:20:15 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	30265	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	118822	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	60419	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	91514	5.00	ng	0.00
16) Chrysene-d12	18.39	240	57498	5.00	ng	0.00
22) Perylene-d12	21.45	264	54796	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	61288	7.16	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	104702	6.27	ng	0.00
18) Terphenyl-d14	16.15	244	71556	7.73	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.32	88	33700	7.74	ng	98
5) Naphthalene	8.72	128	180309	7.36	ng	98
6) 2-Methylnaphthalene	9.58	142	117146	7.99	ng	98
9) Acenaphthylene	10.67	152	648006	7.04	ng	100
10) Acenaphthene	10.89	154	95326	6.71	ng	100
11) Fluorene	11.55	166	107949	7.17	ng	100
13) Phenanthrene	13.01	178	589073	8.91	ng	95
14) Anthracene	13.09	178	596887	8.36	ng	99
15) Fluoranthene	15.25	202	124335	7.14	ng	99
17) Pyrene	15.71	202	128359	8.21	ng	99
19) Benzo(a)anthracene	18.36	228	358564	7.01	ng	99
20) Chrysene	18.44	228	356635	7.11	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	426622m	7.66	ng	
23) Benzo(b)fluoranthene	20.69	252	87555	6.71	ng	99
24) Benzo(k)fluoranthene	20.74	252	98095	7.02	ng	99
25) Benzo(a)pyrene	21.33	252	87823	7.31	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	86747	7.36	ng	97
27) Benzo(g,h,i)perylene	24.28	276	385620	7.40	ng	98

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

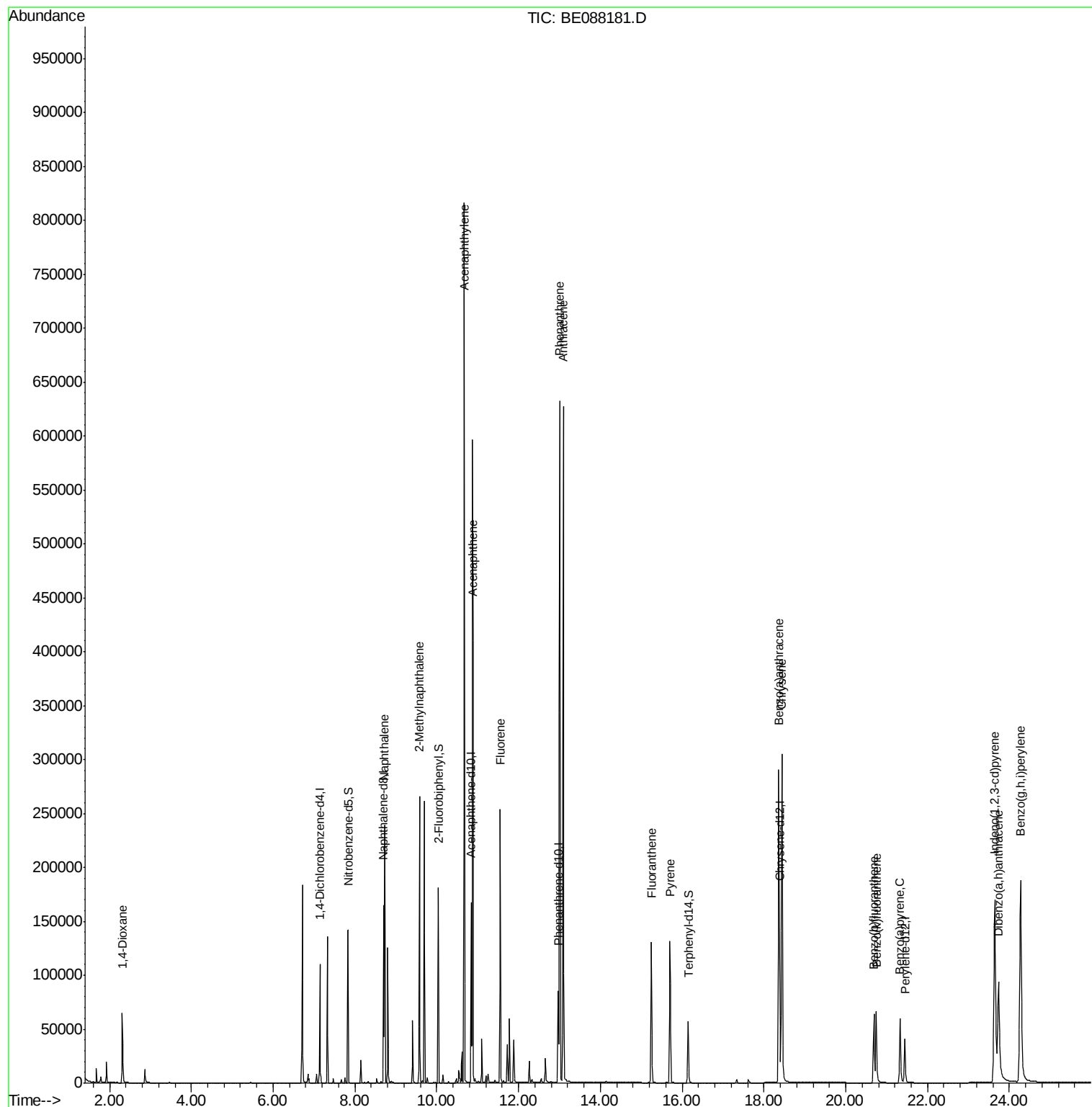
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088181.D

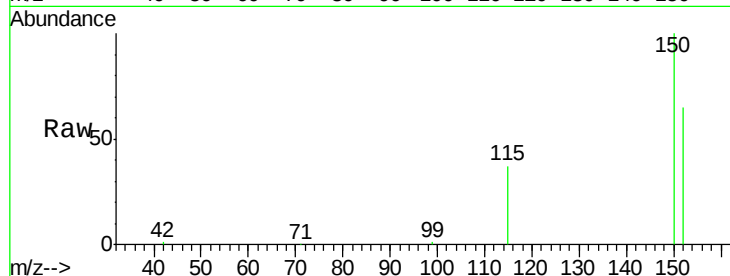
Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

PB79727BS



Tgt Ion:152 Resp: 30265

Ion Ratio Lower Upper

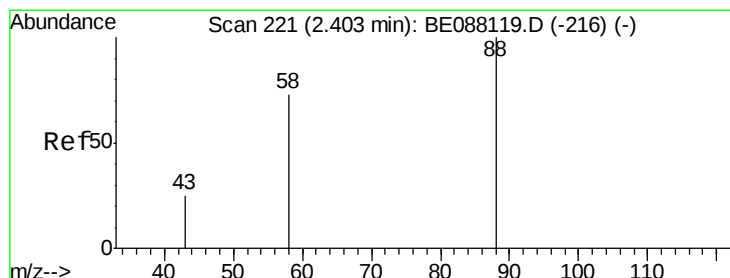
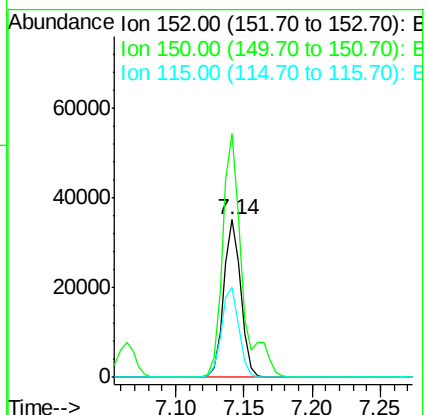
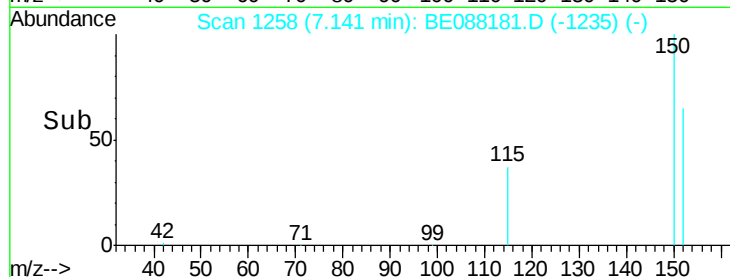
152 100

150 154.6 129.2 193.8

115 57.5 49.3 73.9

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#2

1,4-Dioxane

Concen: 7.74 ng

RT: 2.32 min Scan# 202

Delta R.T. -0.09 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

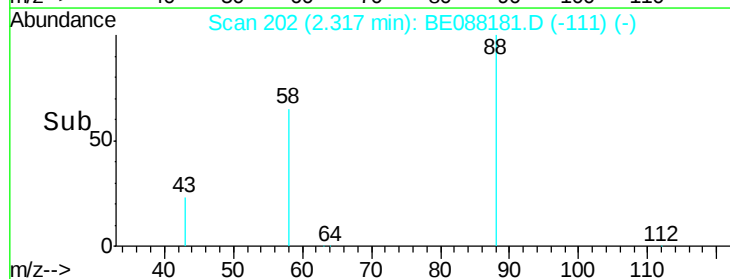
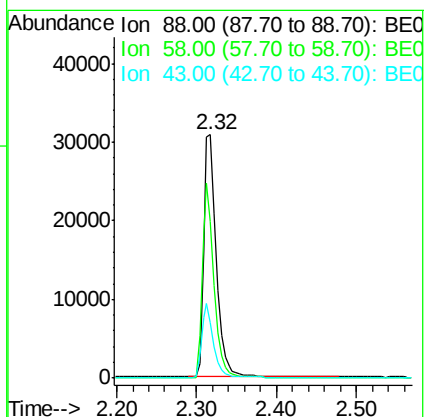
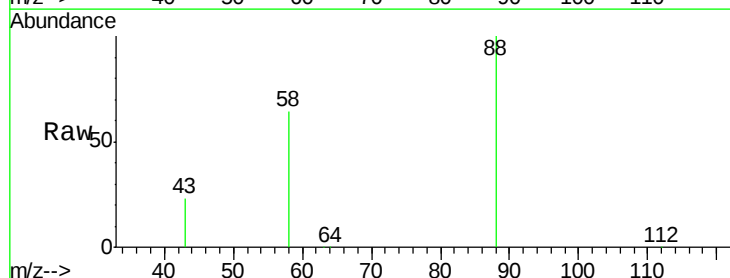
Tgt Ion: 88 Resp: 33700

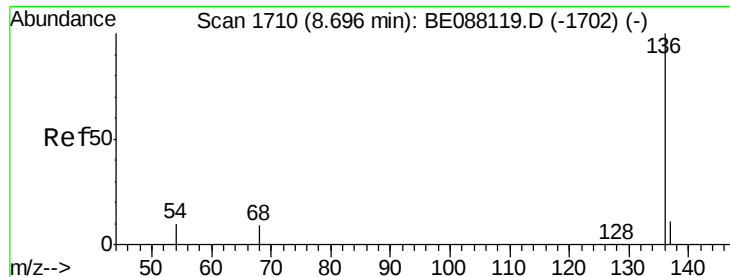
Ion Ratio Lower Upper

88 100

58 75.5 59.5 89.3

43 28.4 21.2 31.8





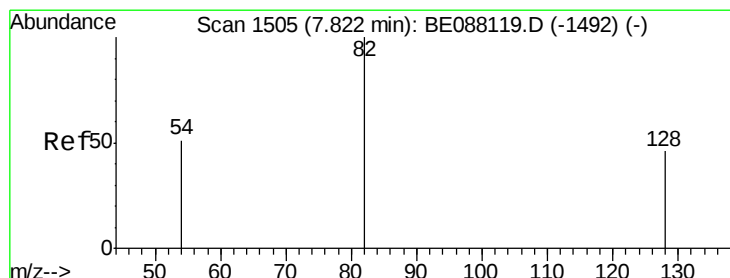
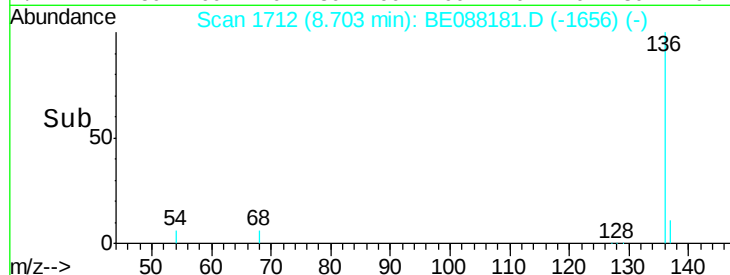
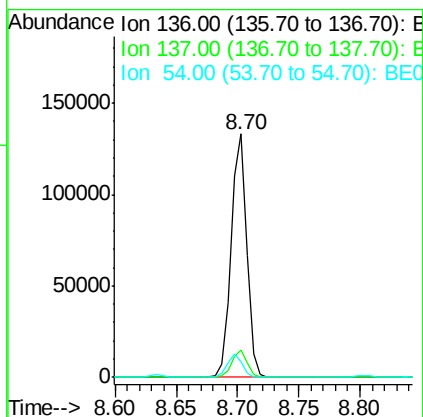
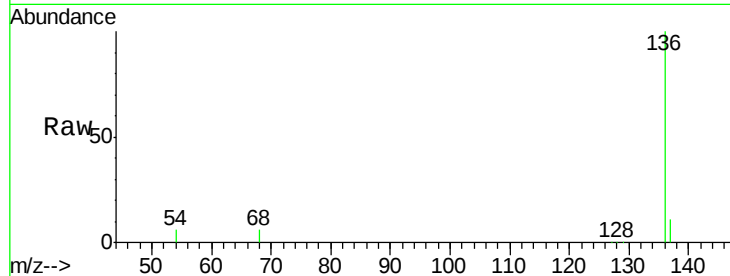
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Instrument :
BNA_E
ClientSampleId :
PB79727BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.0	8.6	12.8
54	6.4	7.7	11.5

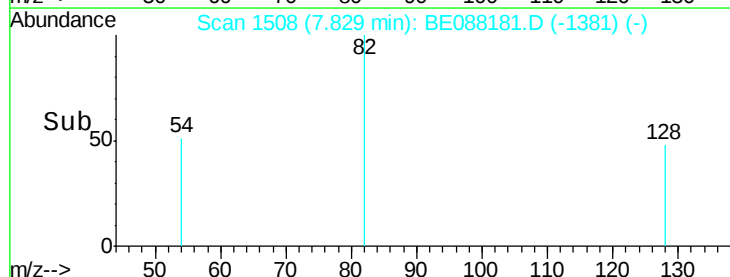
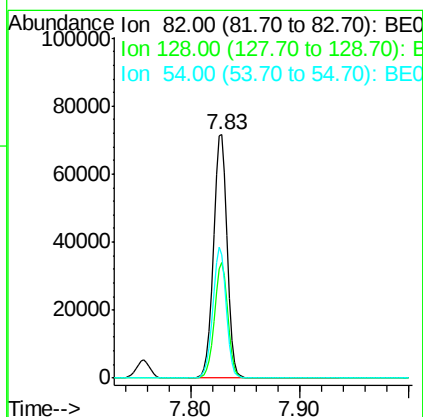
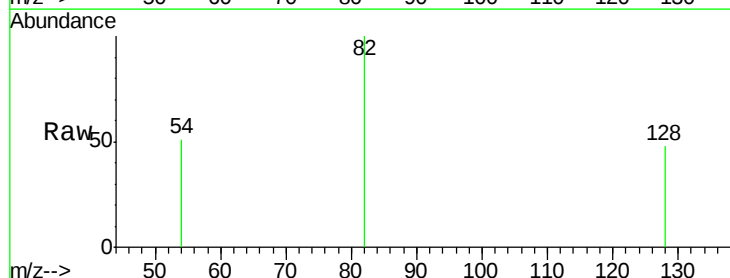
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#4
Nitrobenzene-d5
Concen: 7.16 ng
RT: 7.83 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.7	37.1	55.7
54	50.6	41.1	61.7





#5

Naphthalene

Concen: 7.36 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

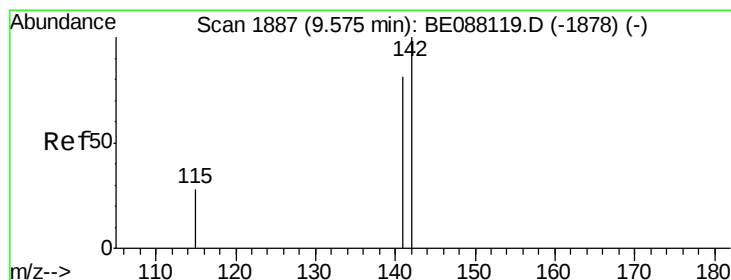
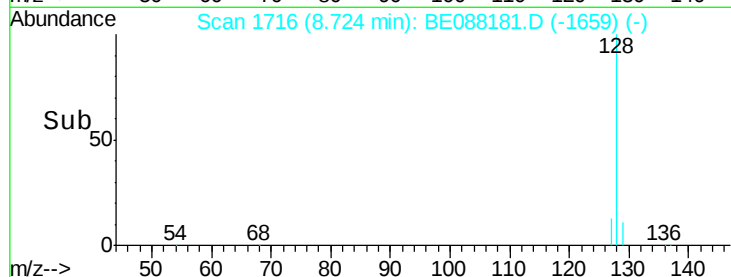
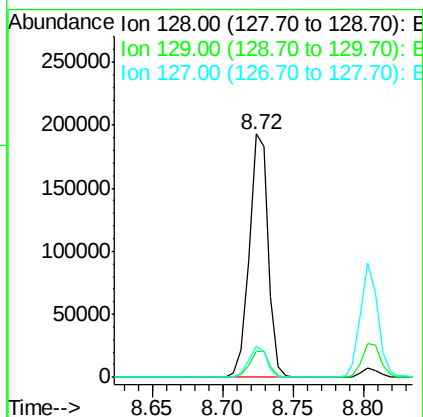
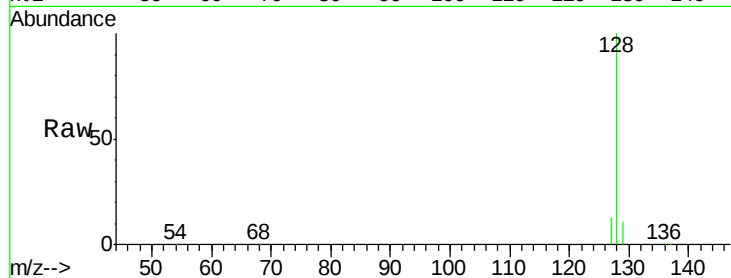
ClientSampleId :

PB79727BS

Tgt Ion:	128	Resp:	180309
Ion Ratio		Lower	Upper
128	100		
129	10.7	8.9	13.3
127	12.8	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 7.99 ng

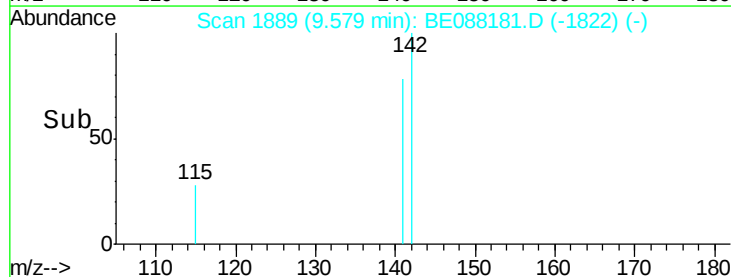
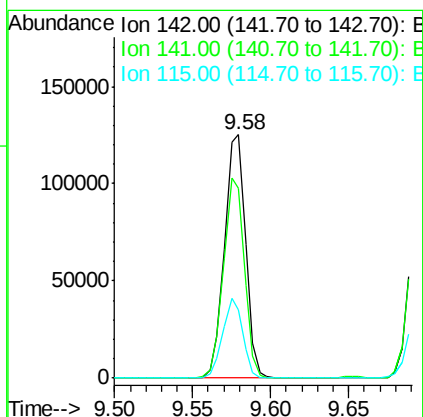
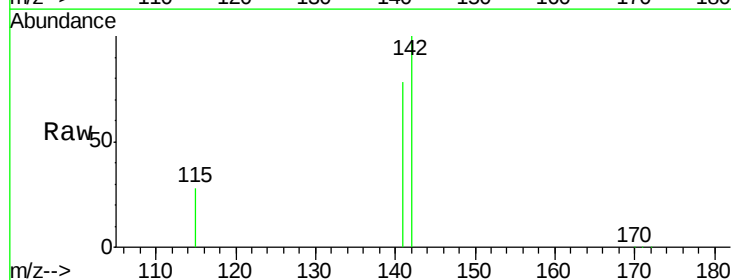
RT: 9.58 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Tgt Ion:	142	Resp:	117146
Ion Ratio		Lower	Upper
142	100		
141	78.2	64.6	97.0
115	28.2	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088181.D

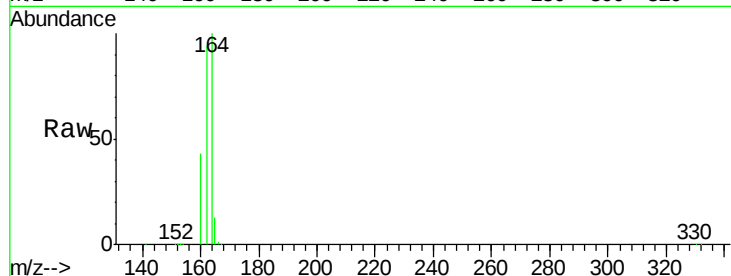
Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

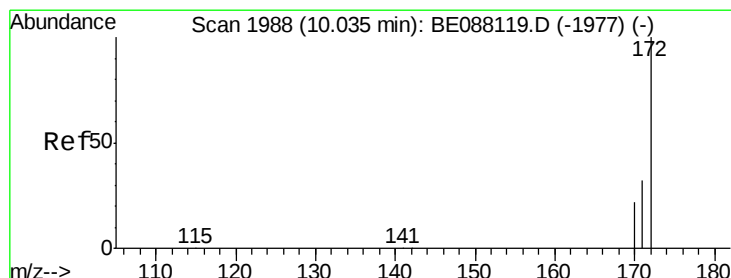
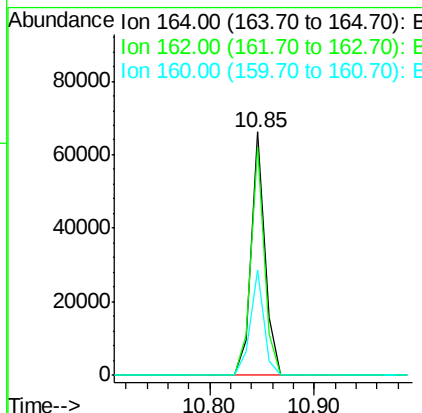
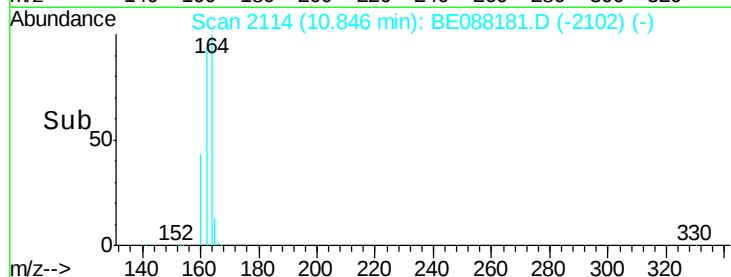
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Tgt Ion:	164	Resp:	60419
Ion Ratio	Lower	Upper	
164	100		
162	93.9	68.3	102.5
160	43.3	28.7	43.1#

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#8

2-Fluorobiphenyl

Concen: 6.27 ng

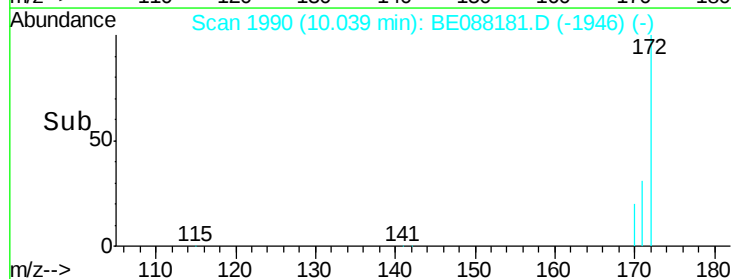
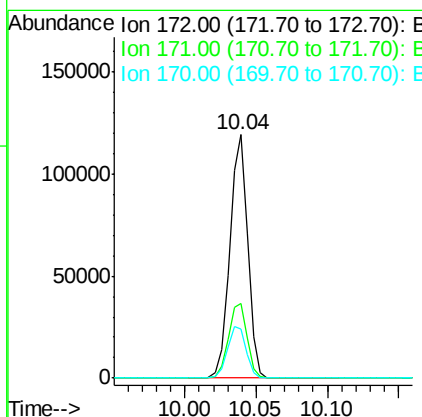
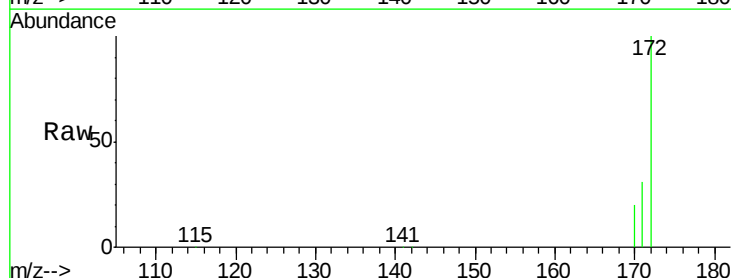
RT: 10.04 min Scan# 1990

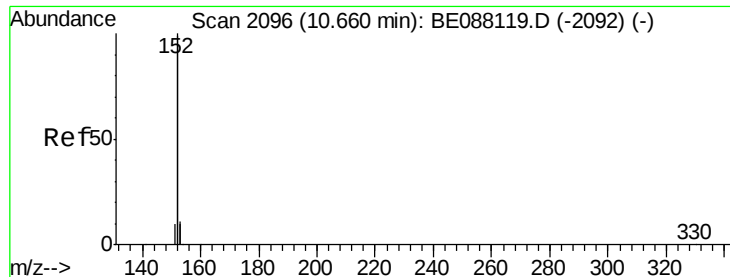
Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Tgt Ion:	172	Resp:	104702
Ion Ratio	Lower	Upper	
172	100		
171	30.9	25.4	38.2
170	20.2	17.4	26.2





#9

Acenaphthylene

Concen: 7.04 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088181.D

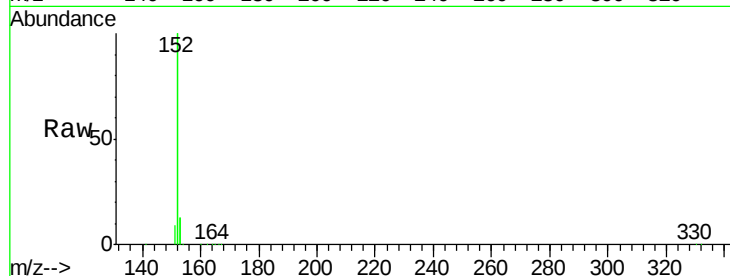
Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

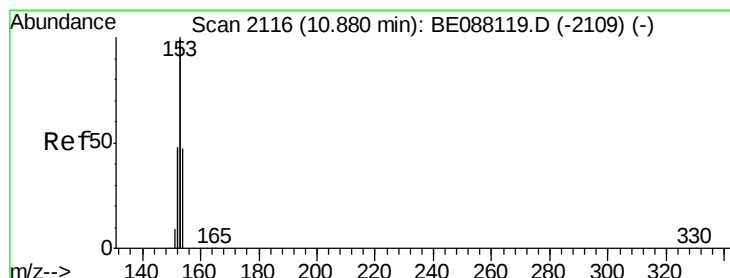
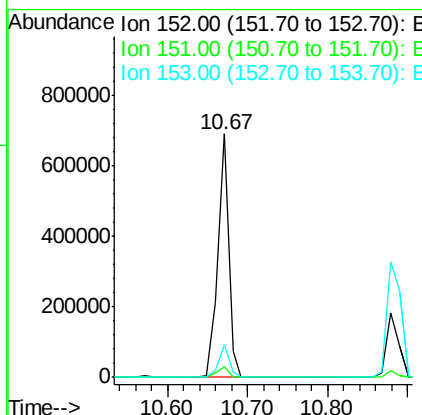
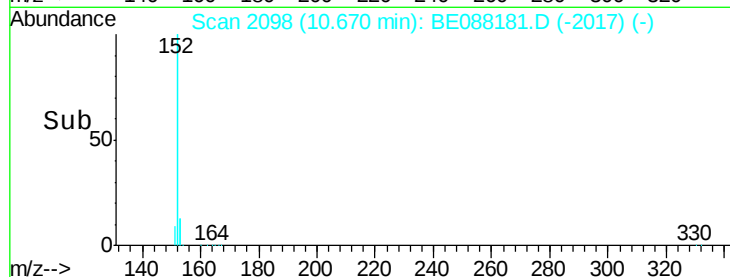
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Tgt Ion:	152	Resp:	648006
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.1	10.4	15.6

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#10

Acenaphthene

Concen: 6.71 ng

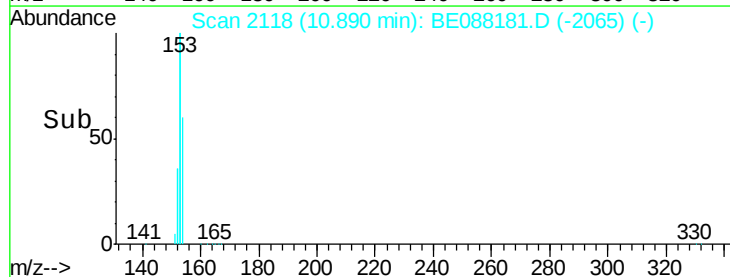
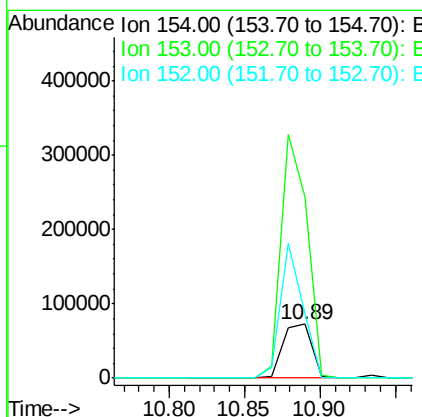
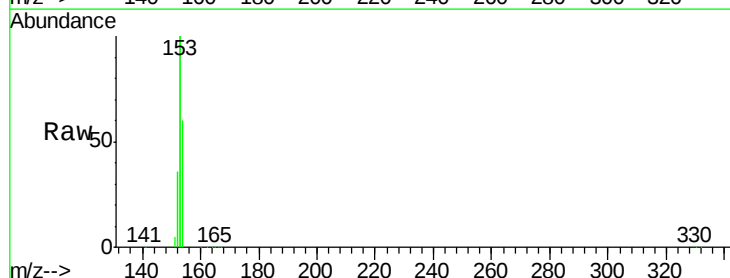
RT: 10.89 min Scan# 2118

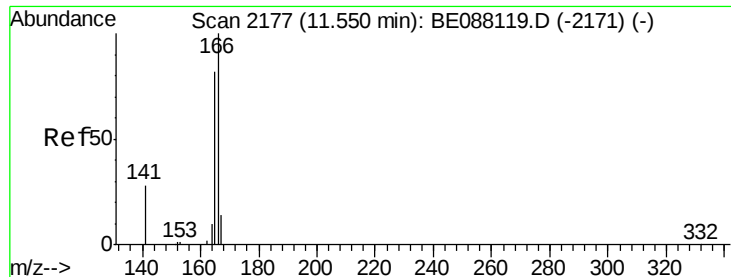
Delta R.T. 0.01 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Tgt Ion:	154	Resp:	95326
Ion Ratio	Lower	Upper	
154	100		
153	409.4	327.8	491.6
152	195.8	157.6	236.4





#11

Fluorene

Concen: 7.17 ng

RT: 11.55 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE088181.D

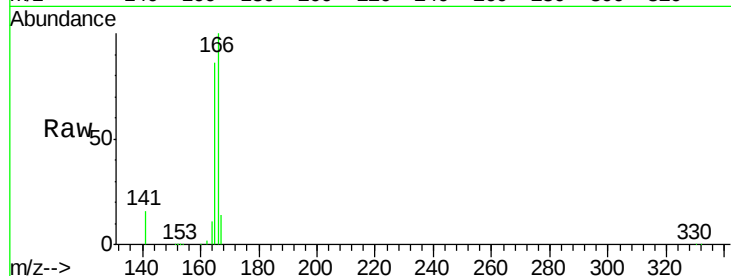
Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

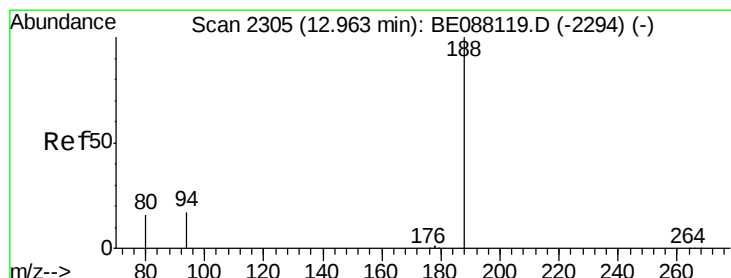
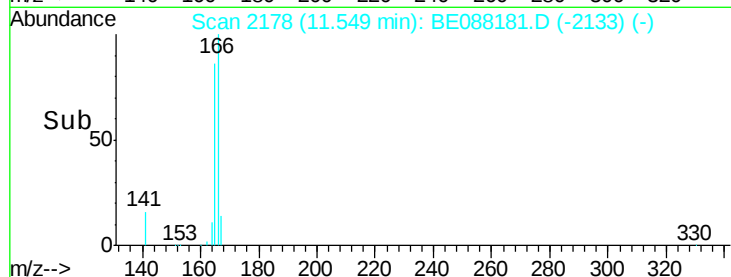
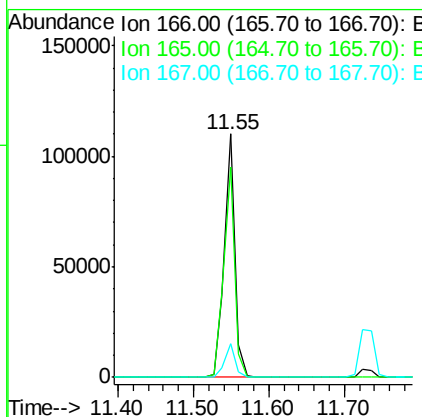
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.0	71.4	107.2
167	13.5	10.6	16.0

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#12

Phenanthrene-d10

Concen: 5.00 ng

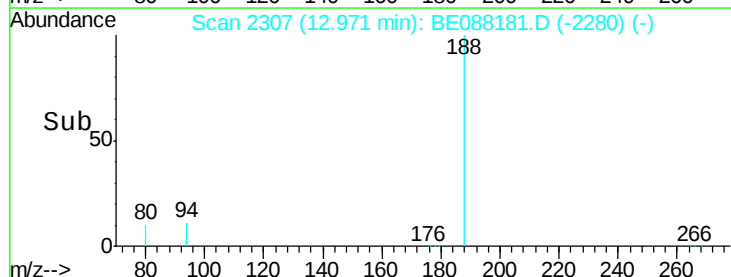
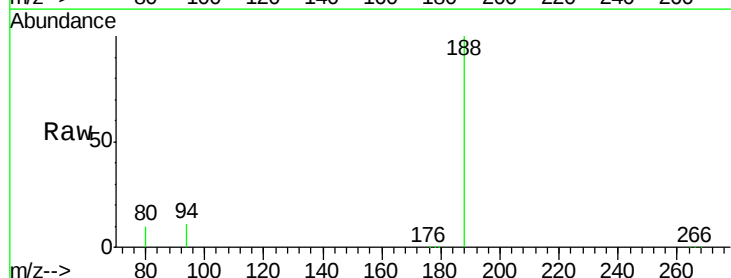
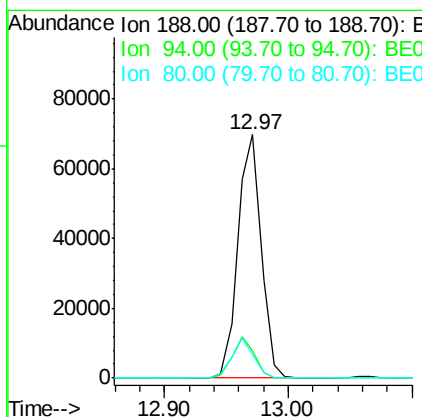
RT: 12.97 min Scan# 2307

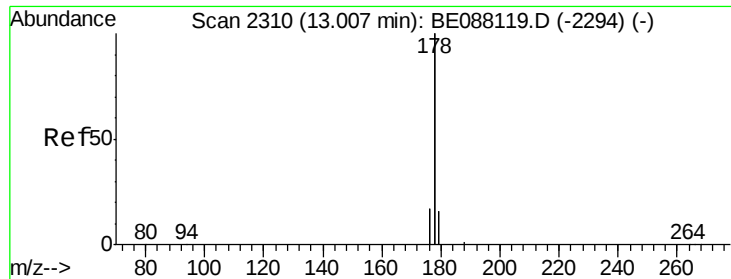
Delta R.T. 0.01 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	13.9	20.9#
80	9.9	12.9	19.3#





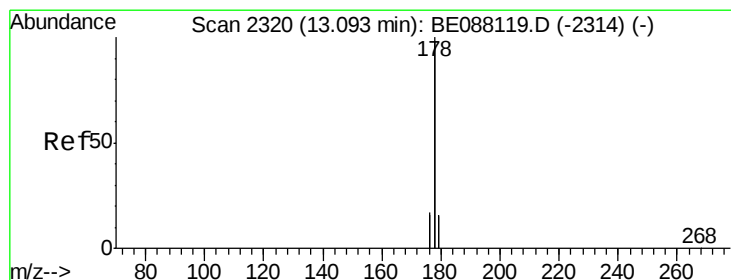
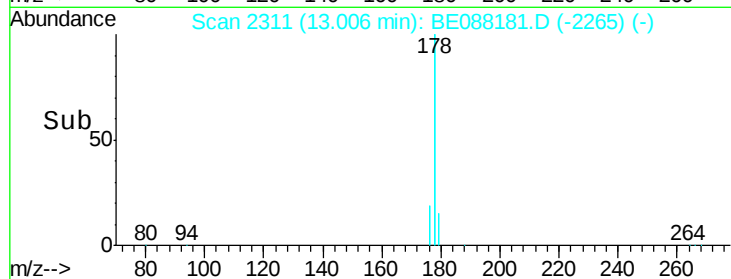
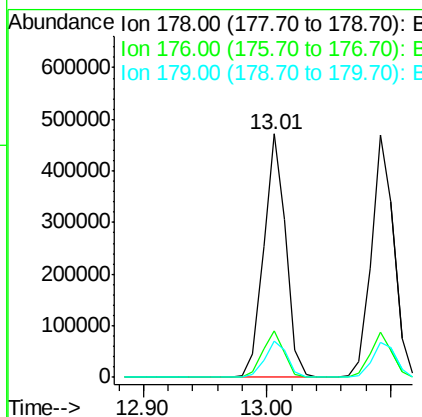
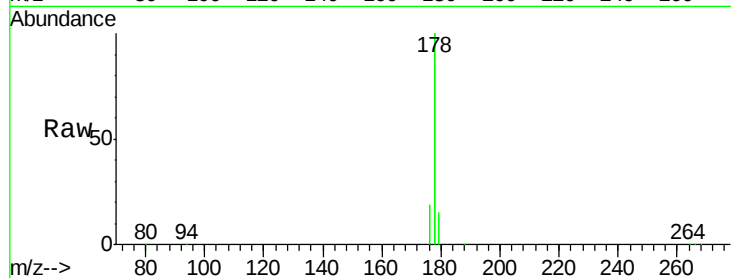
#13
Phenanthrene
Concen: 8.91 ng
RT: 13.01 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Instrument :
BNA_E
ClientSampleId :
PB79727BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.5	18.7
179	15.3	13.5	20.3

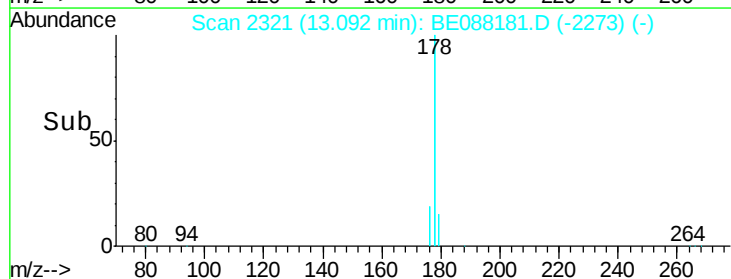
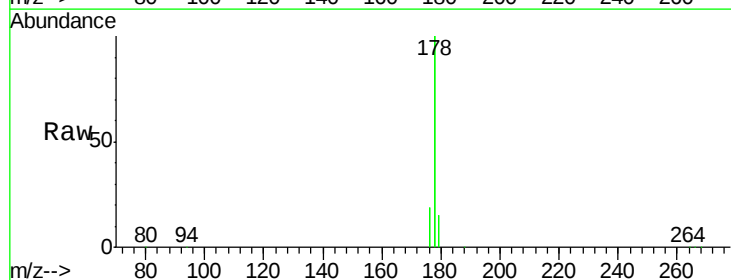
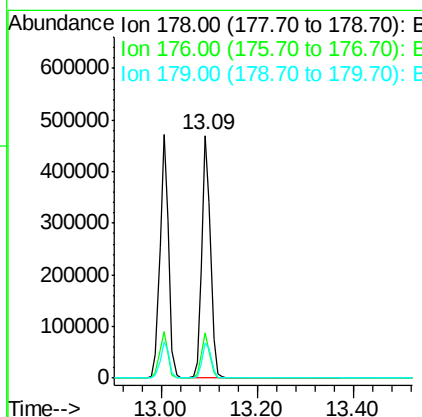
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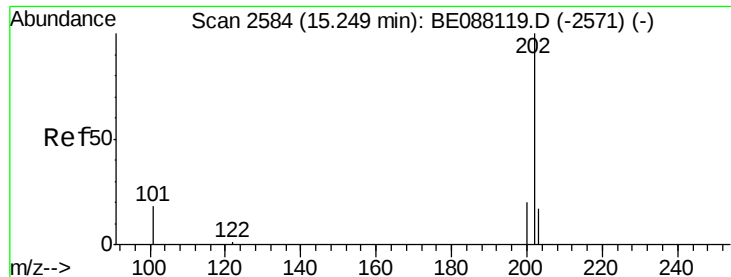
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#14
Anthracene
Concen: 8.36 ng
RT: 13.09 min Scan# 2321
Delta R.T. -0.00 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.1	12.5	18.7





#15

Fluoranthene

Concen: 7.14 ng

RT: 15.25 min Scan# 2586

Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

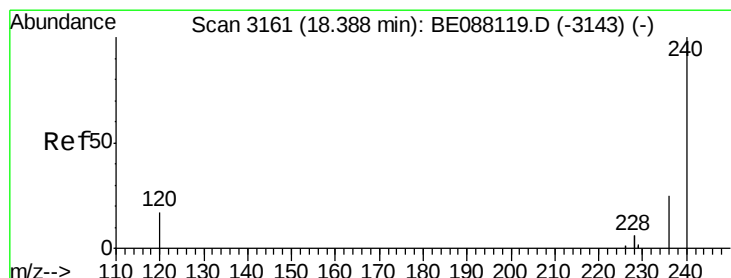
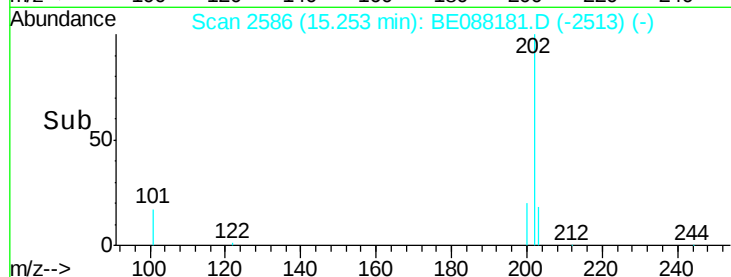
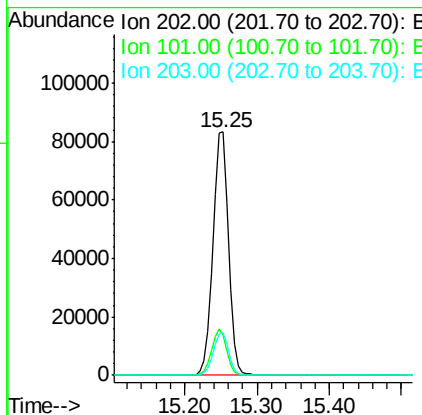
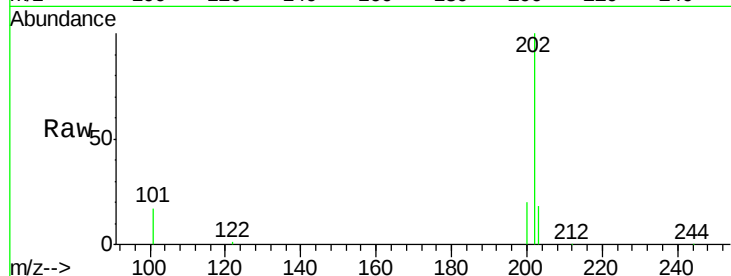
ClientSampleId :

PB79727BS

Tgt	Ion	202	Resp:	124335
Ion	Ratio	Lower	Upper	
202	100			
101	18.4	14.8	22.2	
203	17.3	13.5	20.3	

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#16

Chrysene-d12

Concen: 5.00 ng

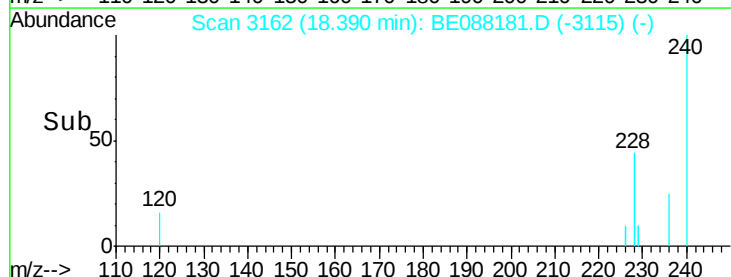
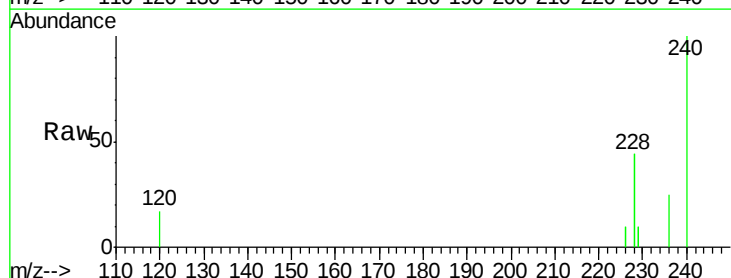
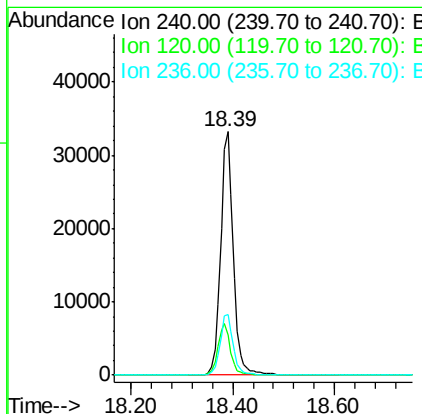
RT: 18.39 min Scan# 3162

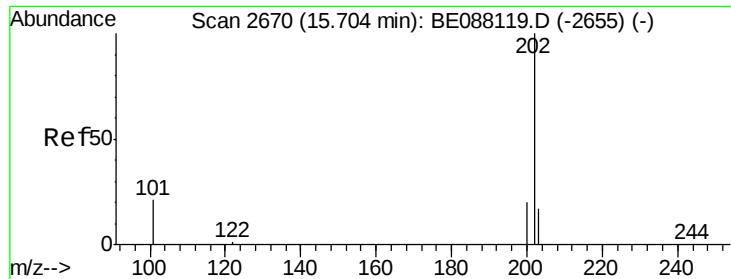
Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Tgt	Ion	240	Resp:	57498
Ion	Ratio	Lower	Upper	
240	100			
120	16.6	13.9	20.9	
236	25.0	19.9	29.9	





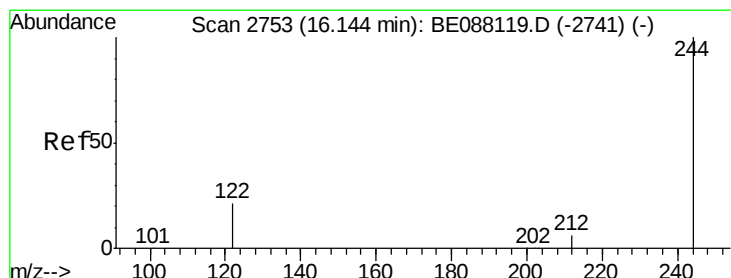
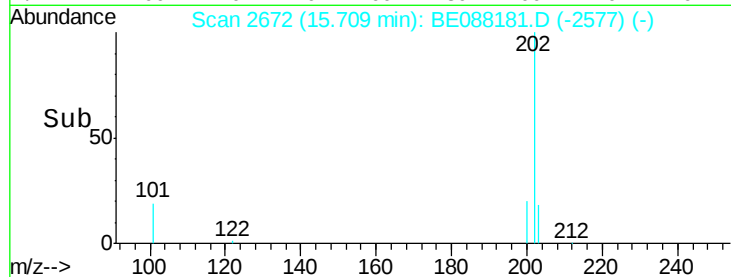
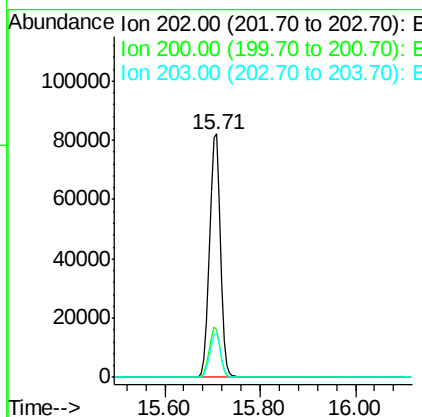
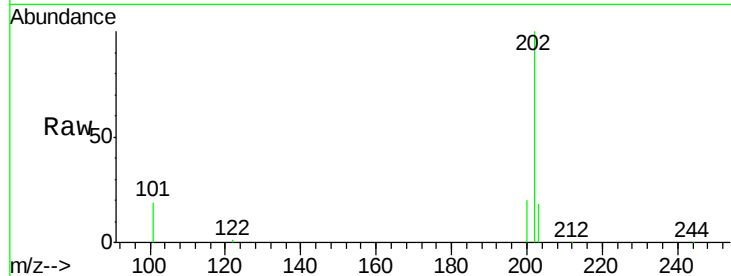
#17
 Pyrene
 Concen: 8.21 ng
 RT: 15.71 min Scan# 2672
 Delta R.T. 0.00 min
 Lab File: BE088181.D
 Acq: 22 Oct 2014 14:54

Instrument :
 BNA_E
 ClientSampleId :
 PB79727BS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	128359		
200	20.3	16.1	24.1	
203	17.9	13.9	20.9	

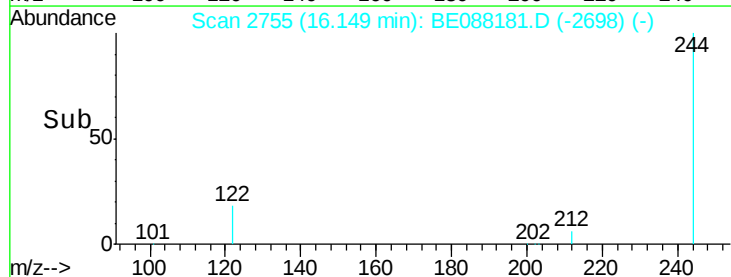
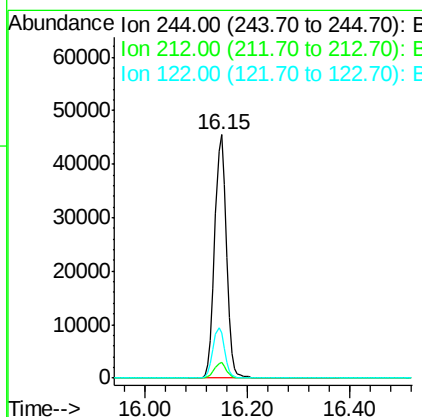
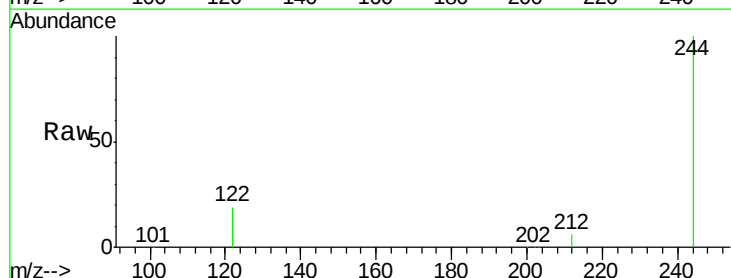
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#18
 Terphenyl-d14
 Concen: 7.73 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088181.D
 Acq: 22 Oct 2014 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	71556		
212	6.4	5.4	8.0	
122	18.5	17.5	26.3	





#19

Benzo(a)anthracene

Concen: 7.01 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

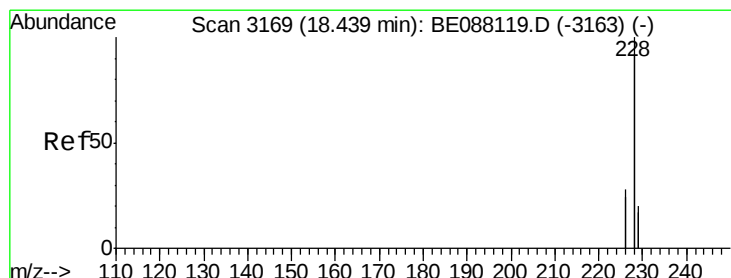
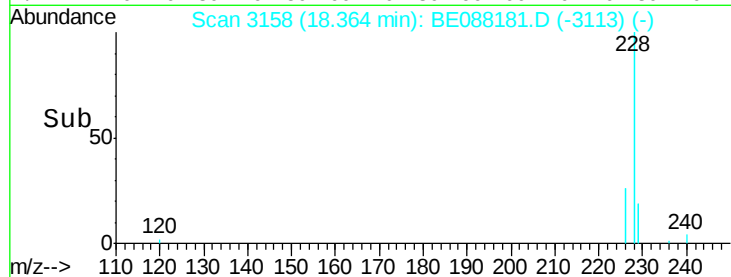
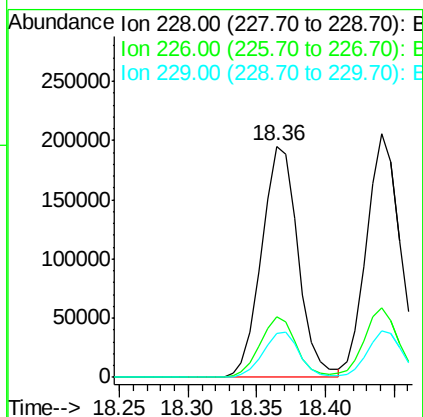
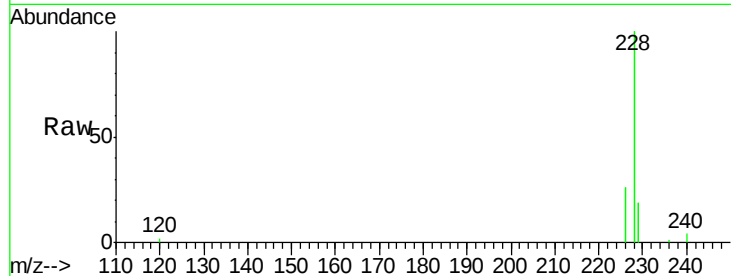
ClientSampleId :

PB79727BS

Tgt	Ion:228	Resp:	358564
Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.8	31.2
229	19.1	15.6	23.4

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#20

Chrysene

Concen: 7.11 ng

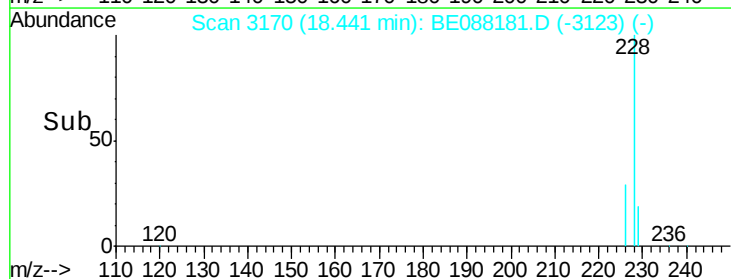
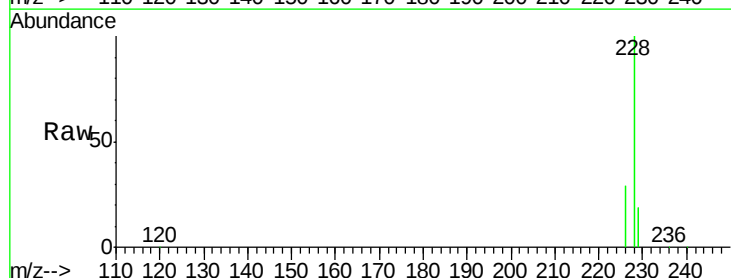
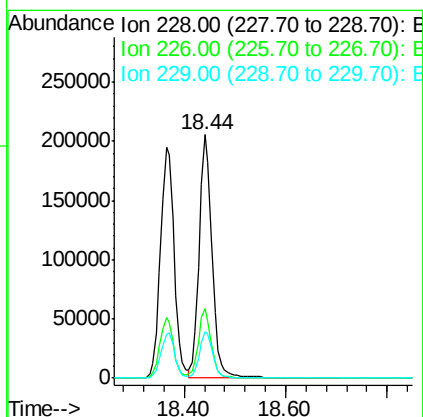
RT: 18.44 min Scan# 3170

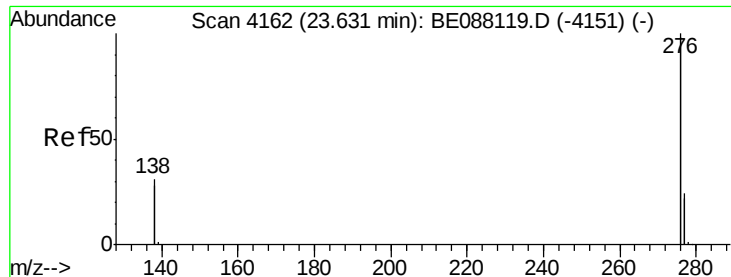
Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54

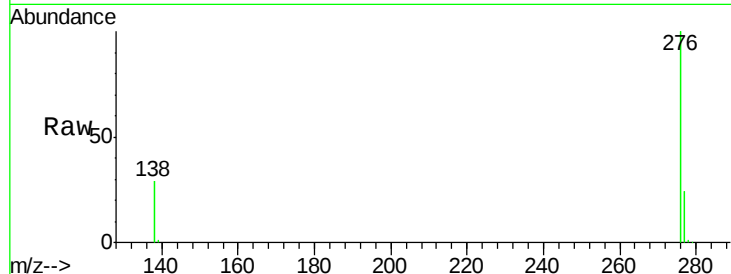
Tgt	Ion:228	Resp:	356635
Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.7	34.1
229	19.2	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 7.66 ng m
RT: 23.64 min Scan# 4165
Delta R.T. 0.01 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

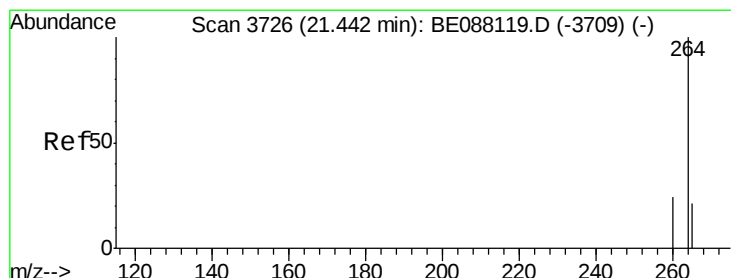
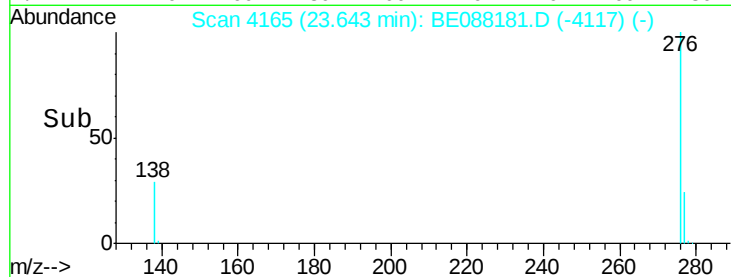
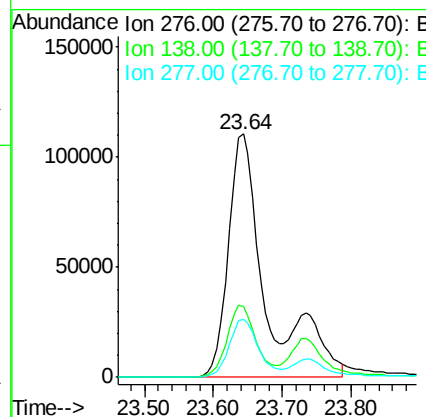
Instrument :
BNA_E
ClientSampleId :
PB79727BS



Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.5	27.7
277	18.1	14.6	21.8

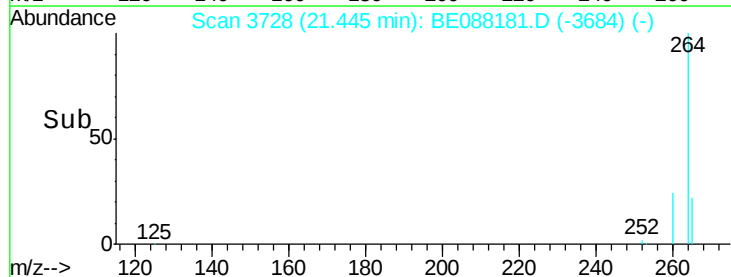
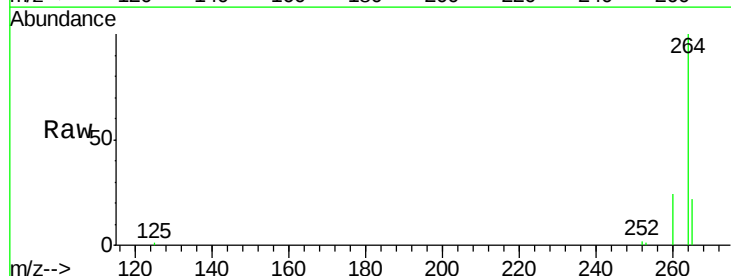
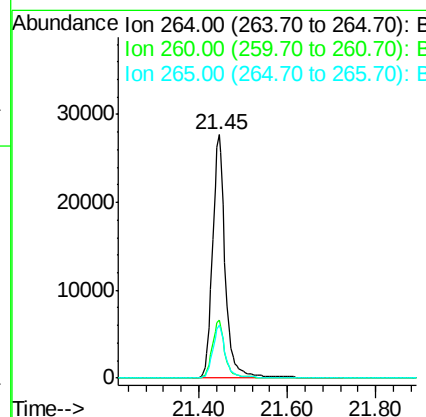
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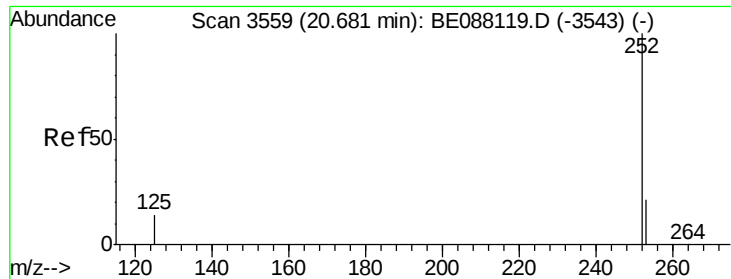
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3728
Delta R.T. 0.00 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.7	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 6.71 ng

RT: 20.69 min Scan# 3562

Delta R.T. 0.01 min

Lab File: BE088181.D

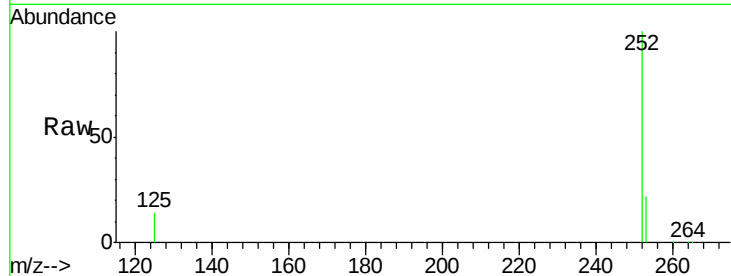
Acq: 22 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

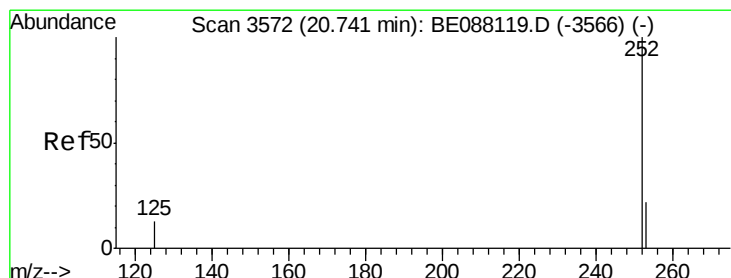
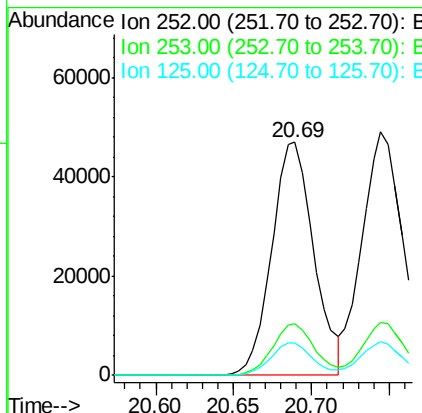
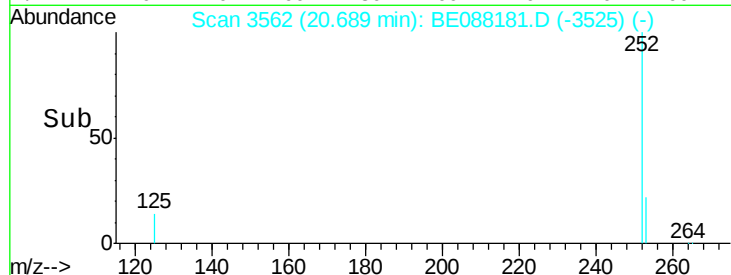
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	13.8	11.8	17.8

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#24

Benzo(k)fluoranthene

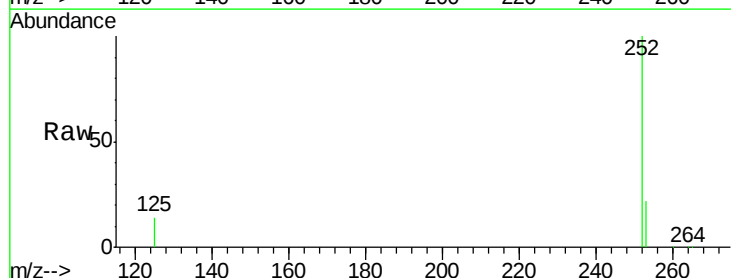
Concen: 7.02 ng

RT: 20.74 min Scan# 3574

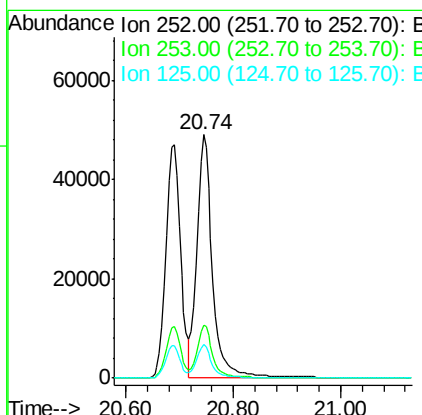
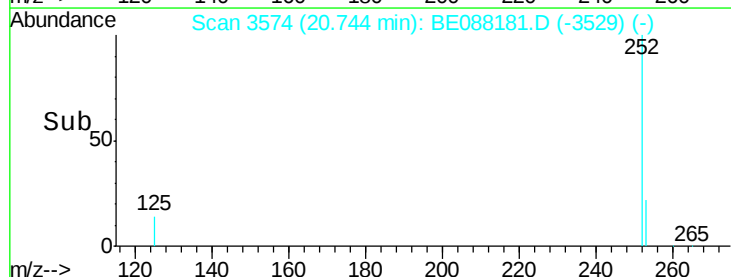
Delta R.T. 0.00 min

Lab File: BE088181.D

Acq: 22 Oct 2014 14:54



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	13.9	11.5	17.3





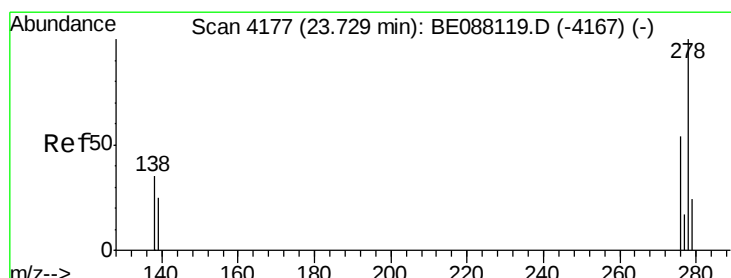
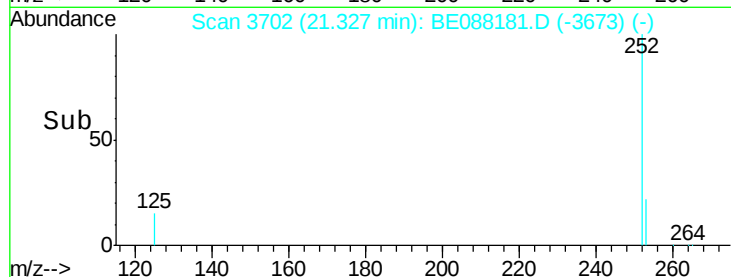
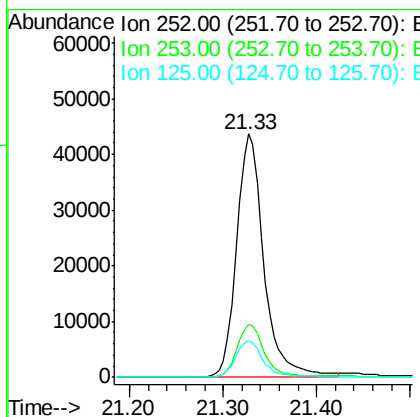
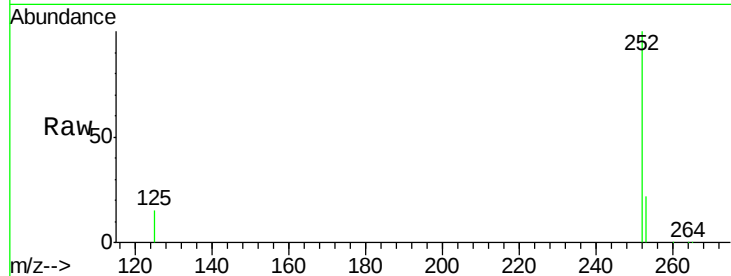
#25
Benzo(a)pyrene
Concen: 7.31 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Instrument :
BNA_E
ClientSampleId :
PB79727BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	15.1	13.0	19.6

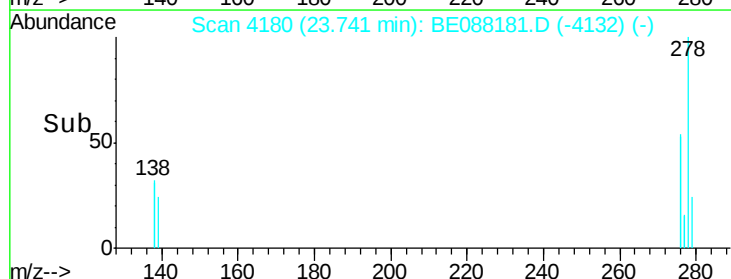
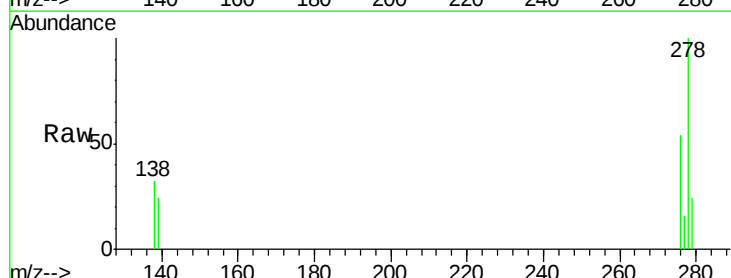
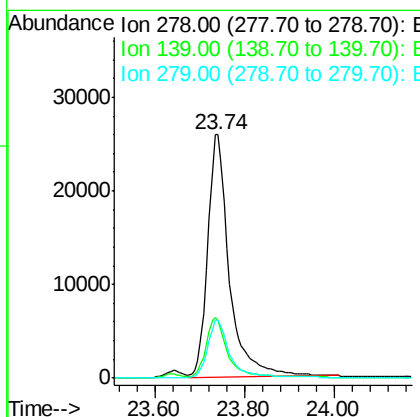
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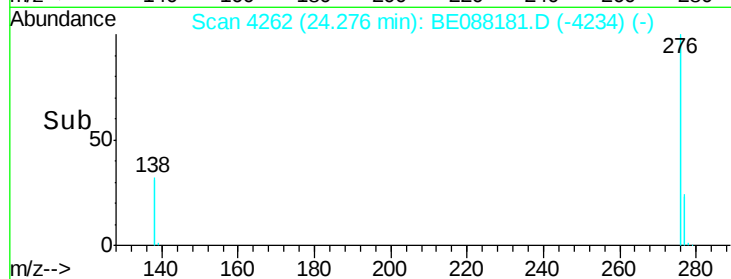
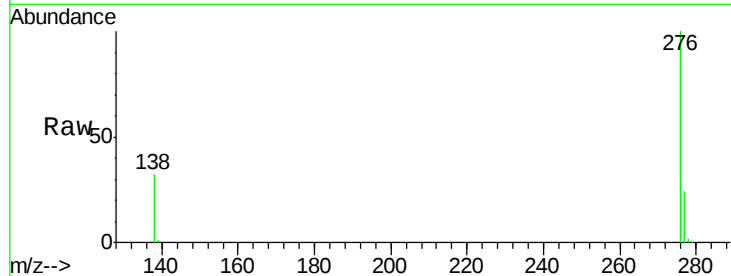
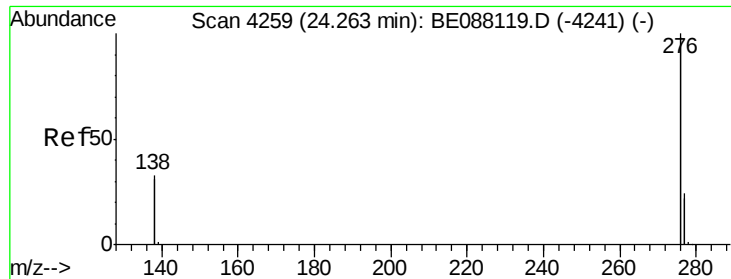
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#26
Dibenzo(a,h)anthracene
Concen: 7.36 ng
RT: 23.74 min Scan# 4180
Delta R.T. 0.01 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.7	20.9	31.3
279	24.0	19.8	29.8





#27
Benzo(g,h,i)perylene
Concen: 7.40 ng
RT: 24.28 min Scan# 4262
Delta R.T. 0.01 min
Lab File: BE088181.D
Acq: 22 Oct 2014 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	385620		
277	23.8	19.2	28.8	
138	31.6	26.6	40.0	

Instrument :
BNA_E
ClientSampleId :
PB79727BS

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