

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088429.D
 Acq On : 31 Oct 2014 18:42
 Operator : TP/JJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:06:01 AM

Quant Time: Oct 31 23:42:09 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:20:37 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	41718	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	159212	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	71286	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	128883	5.00	ng	0.00
16) Chrysene-d12	18.32	240	61468	5.00	ng	0.00
22) Perylene-d12	21.37	264	56174	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.78	82	120477	10.37	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	187904	9.27	ng	0.00
18) Terphenyl-d14	16.07	244	112326	9.93	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	54050	9.90	ng	100
5) Naphthalene	8.68	128	303353	9.10	ng	99
6) 2-Methylnaphthalene	9.53	142	188753	9.15	ng	95
9) Acenaphthylene	10.62	152	1033285	8.82	ng	99
10) Acenaphthene	10.84	154	149408	8.57	ng	96
11) Fluorene	11.49	166	161719	8.77	ng	99
13) Phenanthrene	12.95	178	1133815	8.67	ng	99
14) Anthracene	13.03	178	884584	9.27	ng	99
15) Fluoranthene	15.18	202	188230	9.89	ng	99
17) Pyrene	15.63	202	195623	9.71	ng	100
19) Benzo(a)anthracene	18.29	228	577682	9.97	ng	99
20) Chrysene	18.37	228	557592	9.78	ng	99
21) Indeno(1,2,3-cd)pyrene	23.55	276	559663m	10.35	ng	
23) Benzo(b)fluoranthene	20.62	252	127631	10.42	ng	99
24) Benzo(k)fluoranthene	20.68	252	133892	9.85	ng	99
25) Benzo(a)pyrene	21.26	252	122868	10.45	ng	98
26) Dibenzo(a,h)anthracene	23.64	278	113301	10.36	ng	99
27) Benzo(g,h,i)perylene	24.18	276	497946	9.87	ng	97

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

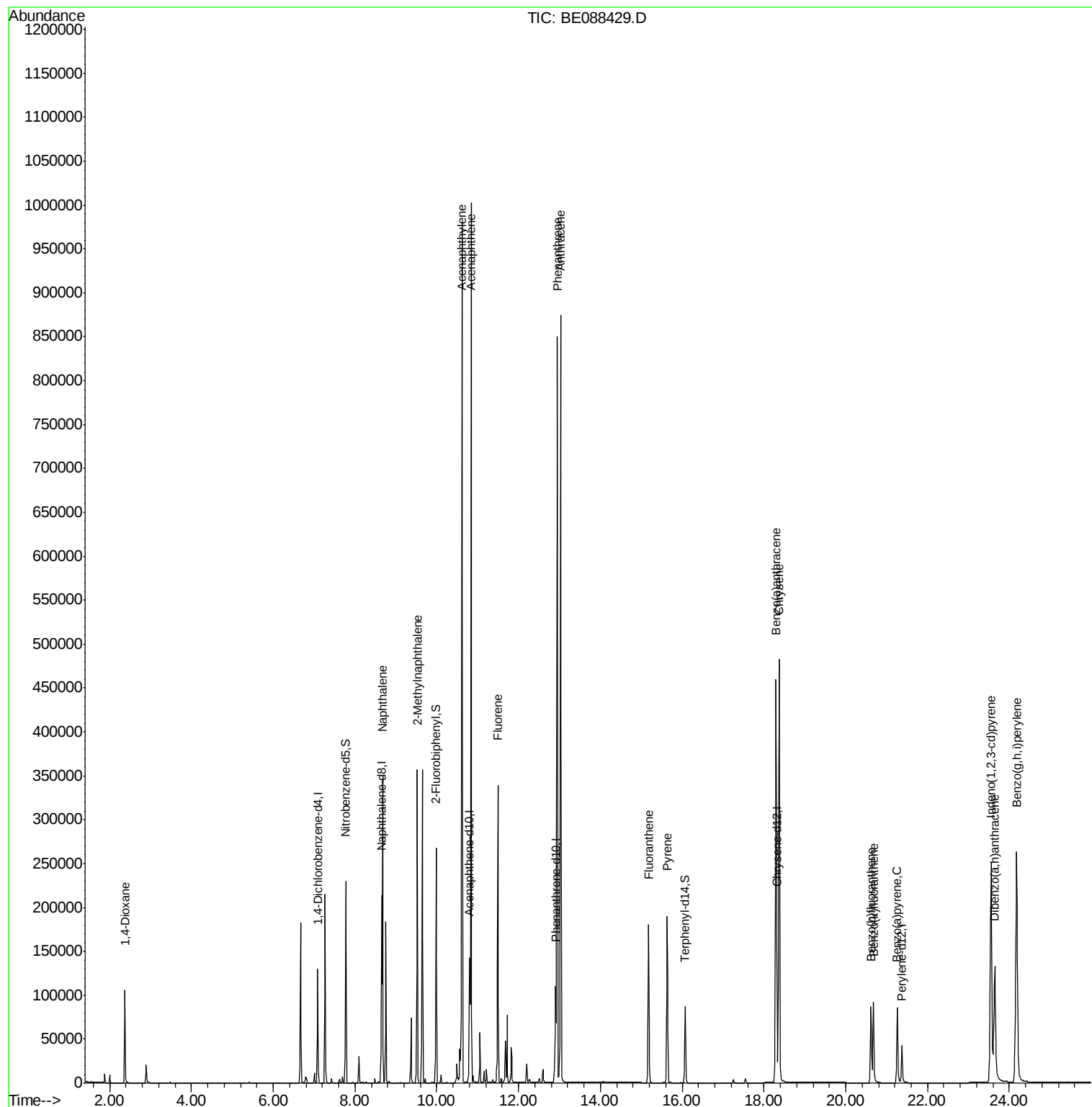
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:20:37 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088429.D

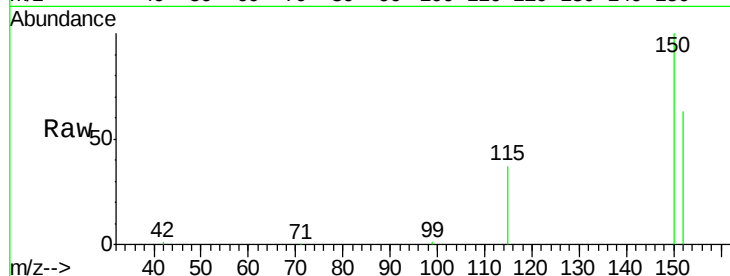
Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

ClientSampleId :

SSTDIC010



Tgt Ion: 152 Resp: 41718

Ion Ratio Lower Upper

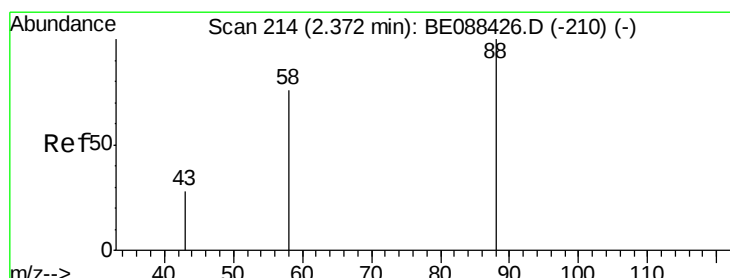
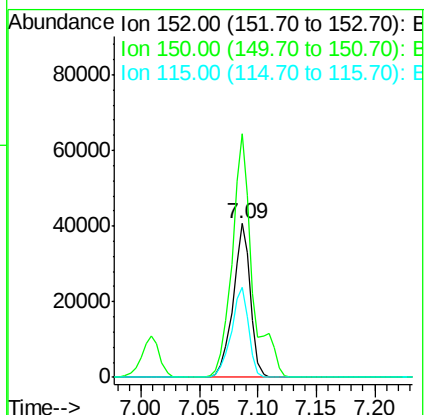
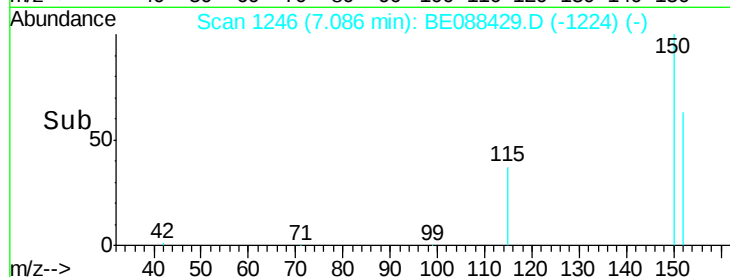
152 100

150 158.2 121.8 182.8

115 58.6 43.9 65.9

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#2

1,4-Dioxane

Concen: 9.90 ng

RT: 2.37 min Scan# 214

Delta R.T. -0.00 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

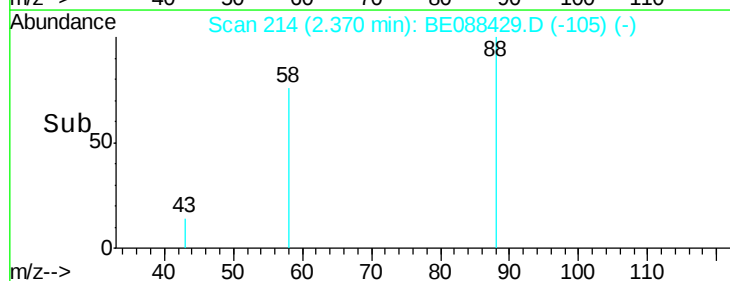
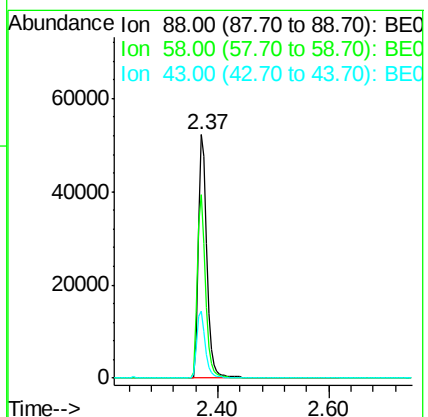
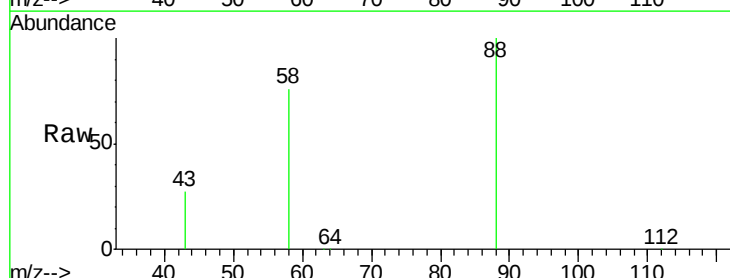
Tgt Ion: 88 Resp: 54050

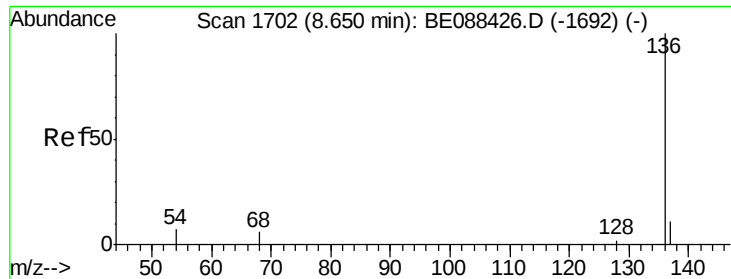
Ion Ratio Lower Upper

88 100

58 74.1 59.1 88.7

43 27.2 21.9 32.9





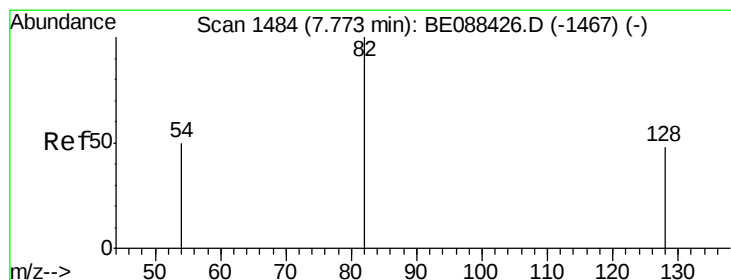
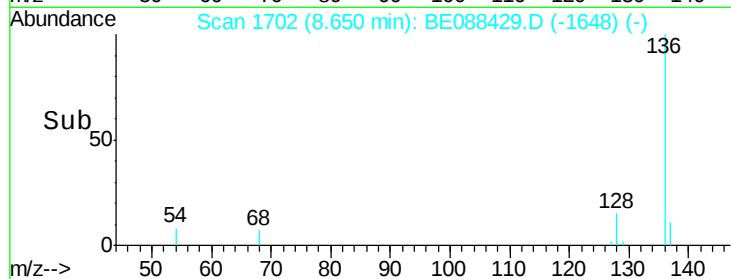
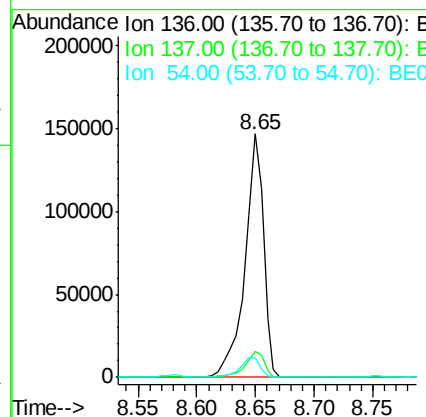
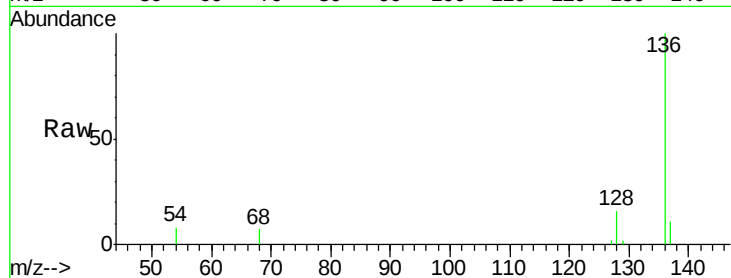
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088429.D
Acq: 31 Oct 2014 18:42

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	159212		
137	10.8	8.8	13.2	
54	8.1	5.3	7.9	

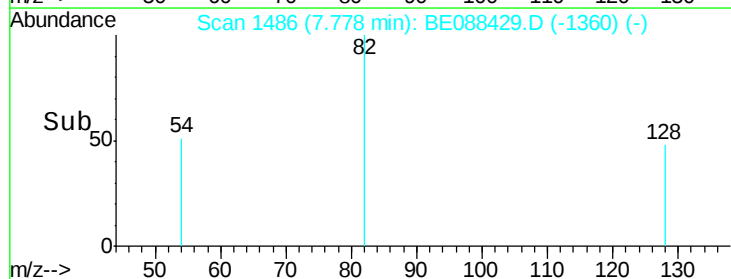
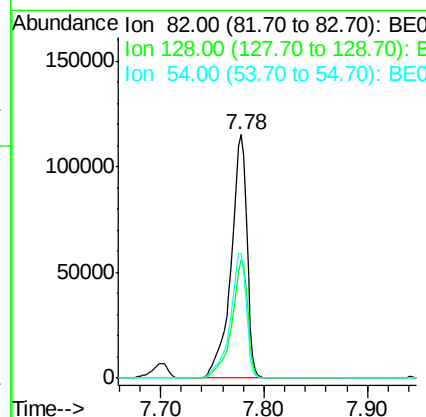
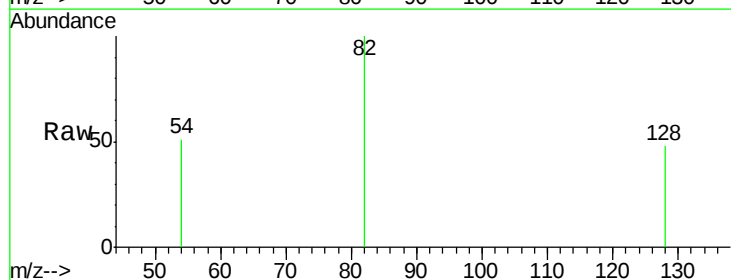
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#4
Nitrobenzene-d5
Concen: 10.37 ng
RT: 7.78 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BE088429.D
Acq: 31 Oct 2014 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	120477		
128	48.5	38.4	57.6	
54	51.4	40.2	60.2	





#5

Naphthalene

Concen: 9.10 ng

RT: 8.68 min Scan# 1707

Delta R.T. 0.01 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

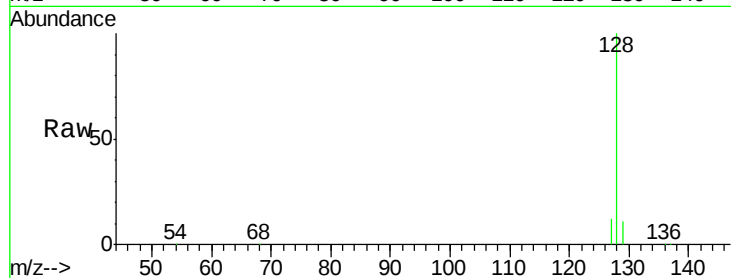
ClientSampleId :

SSTDIC010

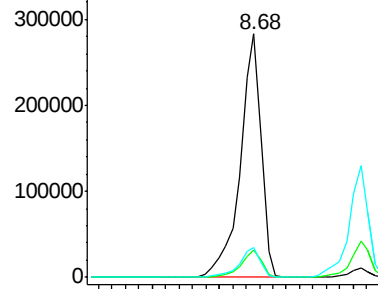
Tgt	Ion:128	Resp:	303353
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	12.2	10.1	15.1

Manual Integrations
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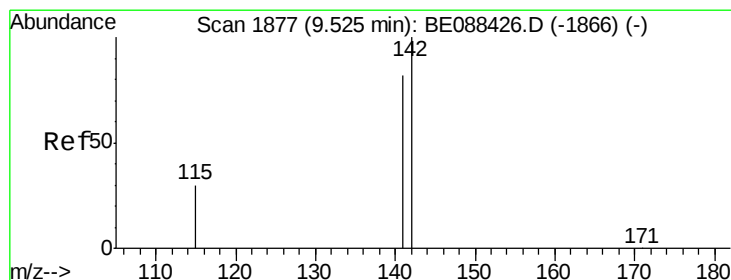
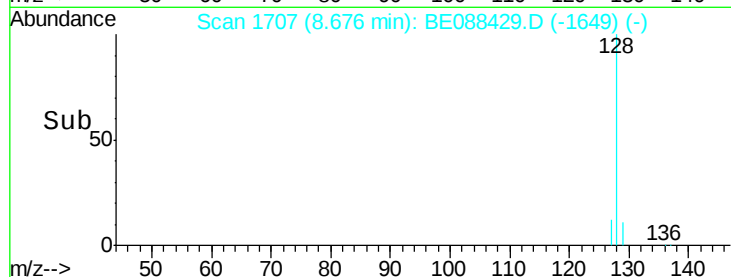
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->



#6

2-Methylnaphthalene

Concen: 9.15 ng

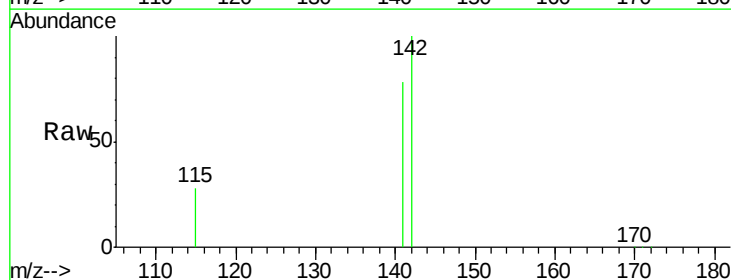
RT: 9.53 min Scan# 1878

Delta R.T. 0.00 min

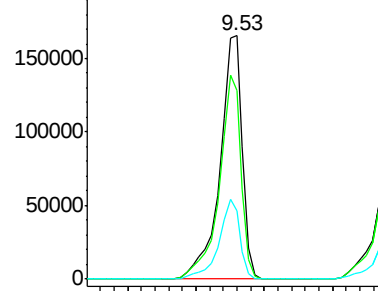
Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

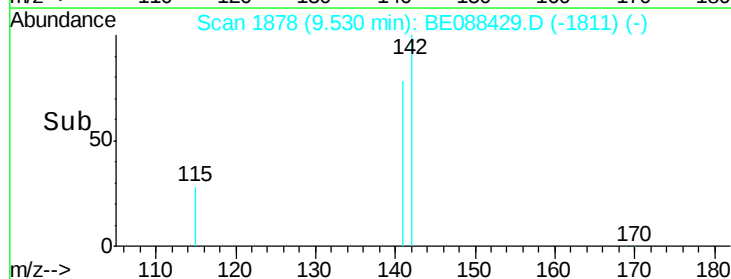
Tgt	Ion:142	Resp:	188753
Ion	Ratio	Lower	Upper
142	100		
141	77.7	65.8	98.8
115	27.9	24.2	36.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



Time-->





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088429.D

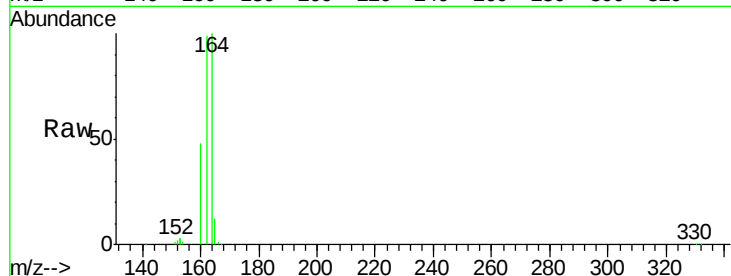
Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

ClientSampleId :

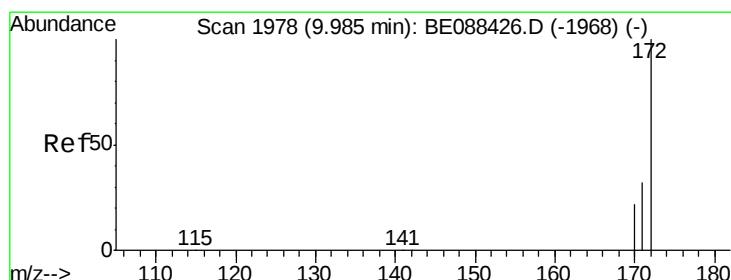
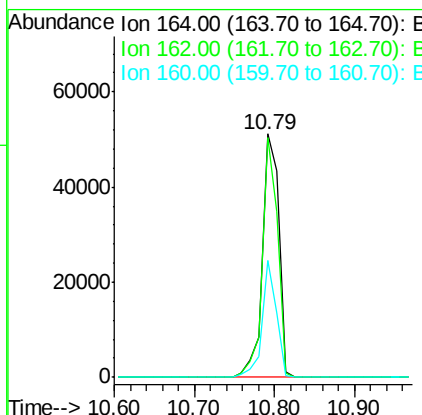
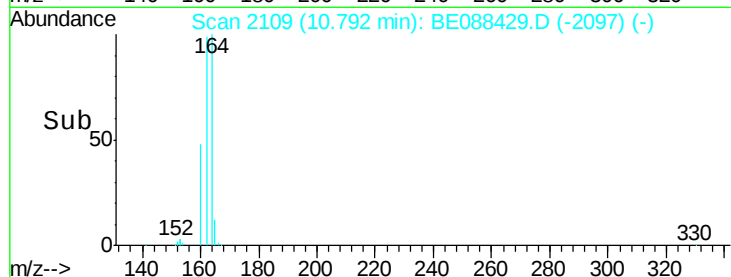
SSTDICC010



Tgt Ion:	164	Resp:	71286
Ion Ratio	Lower	Upper	
164	100		
162	98.7	77.0	115.4
160	48.1	36.8	55.2

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#8

2-Fluorobiphenyl

Concen: 9.27 ng

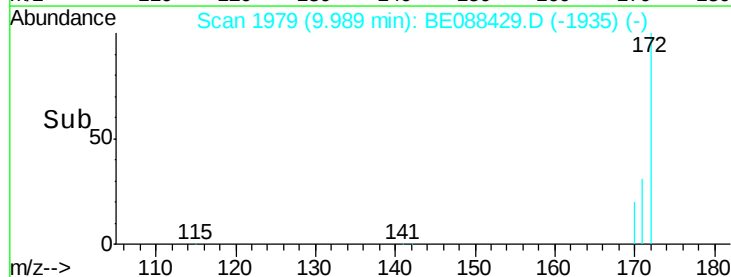
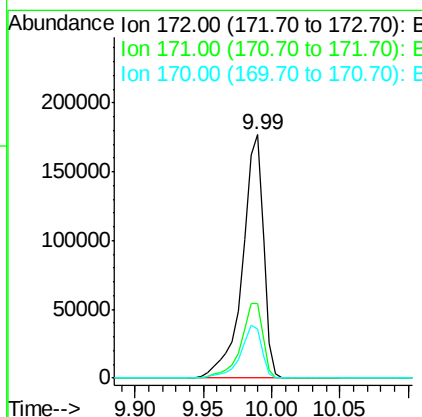
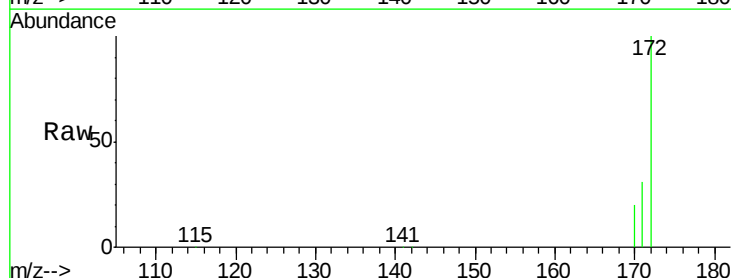
RT: 9.99 min Scan# 1979

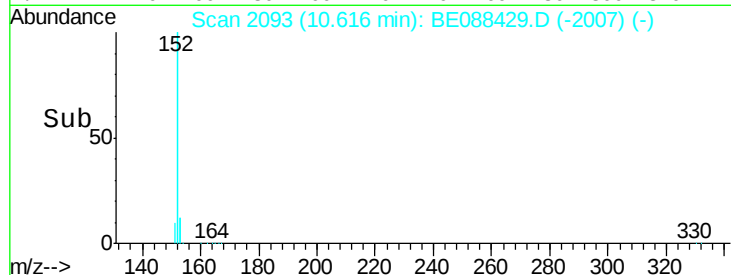
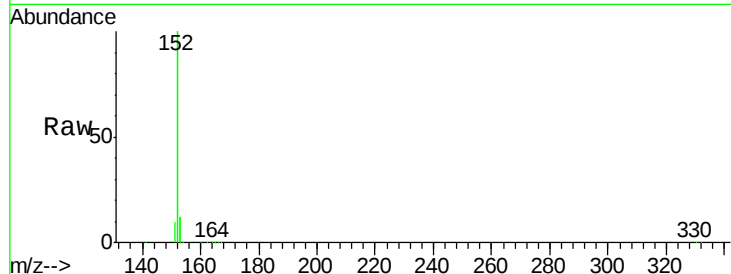
Delta R.T. 0.00 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

Tgt Ion:	172	Resp:	187904
Ion Ratio	Lower	Upper	
172	100		
171	30.8	26.0	39.0
170	20.0	17.6	26.4





#9

Acenaphthylene

Concen: 8.82 ng

RT: 10.62 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

Tgt Ion:152 Resp: 1033285

Ion Ratio Lower Upper

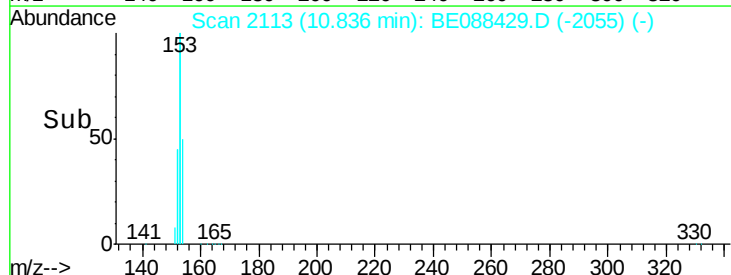
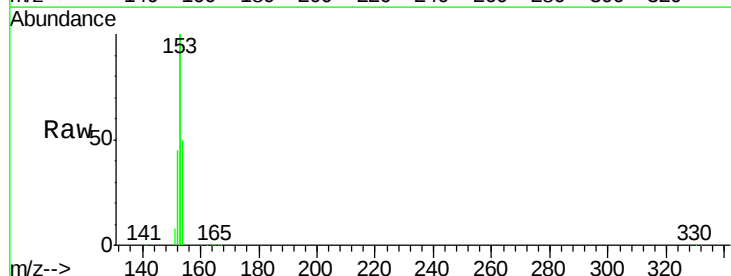
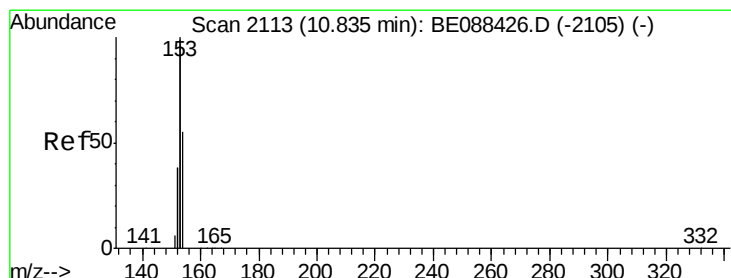
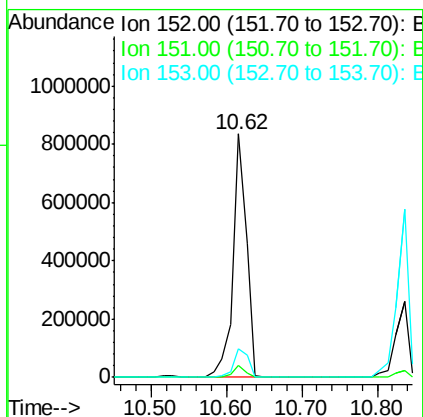
152 100

151 4.6 4.4 6.6

153 13.1 10.5 15.7

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#10

Acenaphthene

Concen: 8.57 ng

RT: 10.84 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

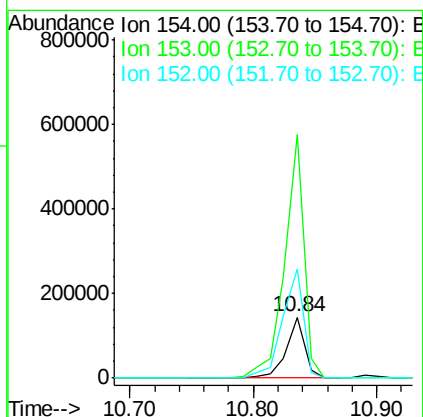
Tgt Ion:154 Resp: 149408

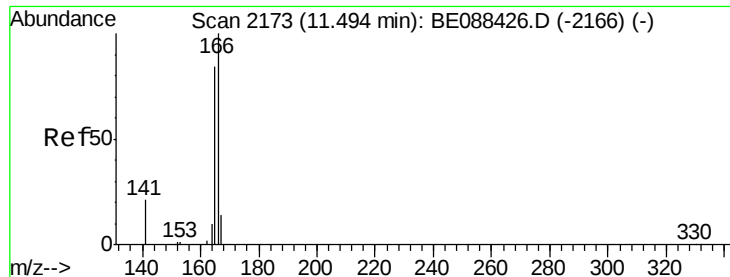
Ion Ratio Lower Upper

154 100

153 413.1 324.3 486.5

152 201.8 154.9 232.3





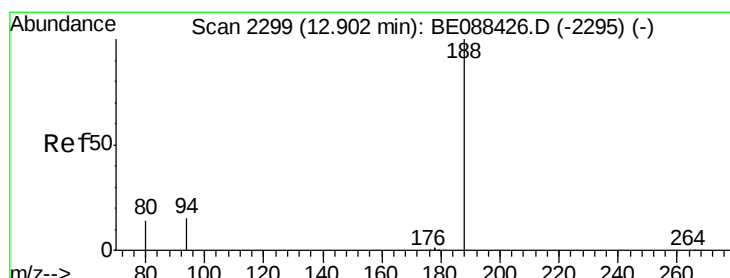
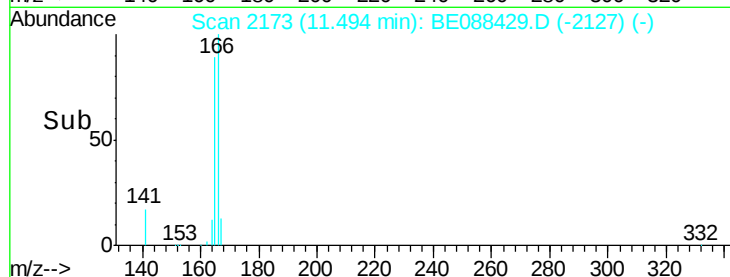
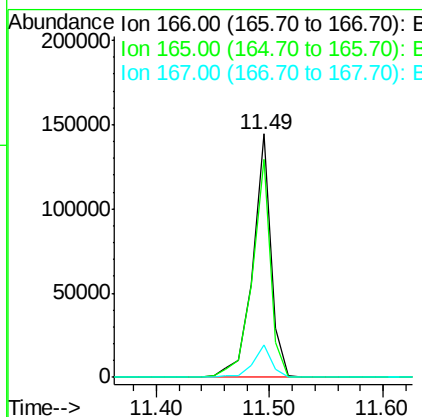
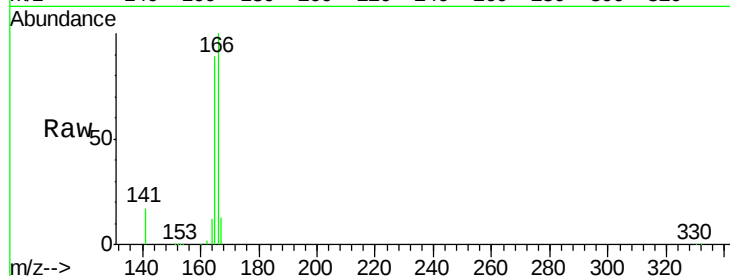
#11
Fluorene
 Concen: 8.77 ng
 RT: 11.49 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BE088429.D
 Acq: 31 Oct 2014 18:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	161719		
165	89.9	71.3	106.9	
167	13.5	10.7	16.1	

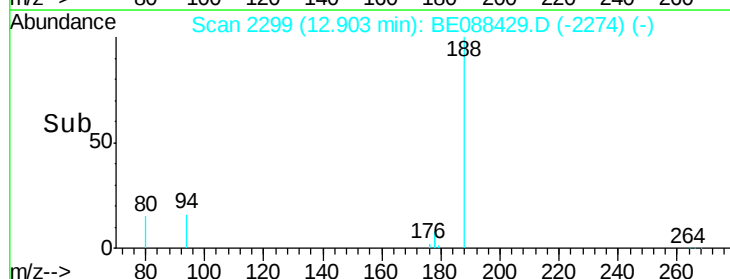
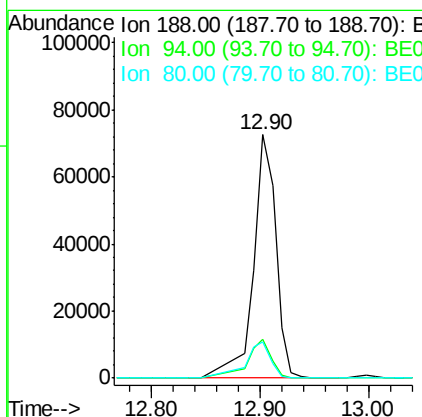
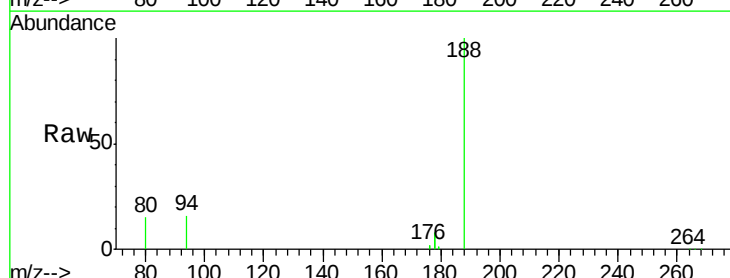
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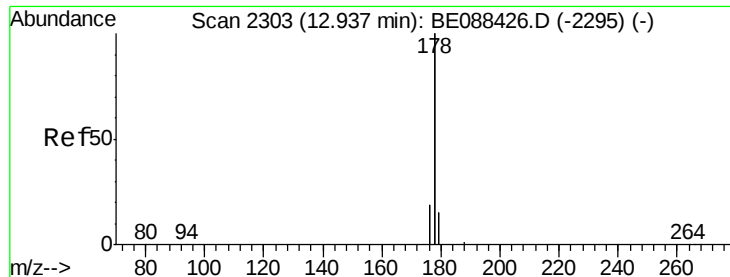
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: BE088429.D
 Acq: 31 Oct 2014 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	128883		
94	15.9	11.8	17.8	
80	14.7	10.9	16.3	





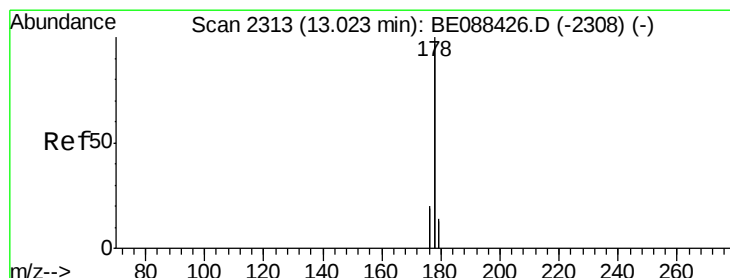
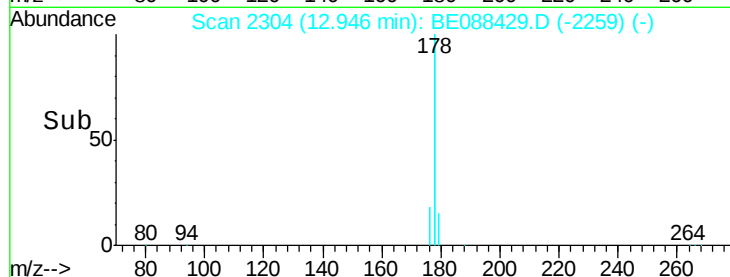
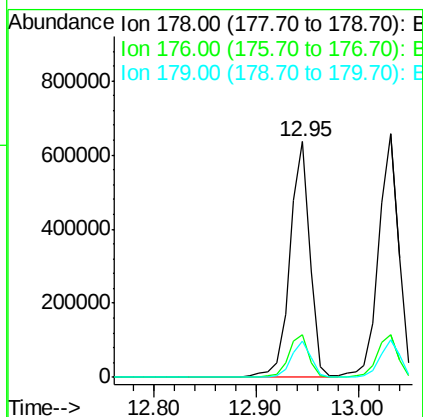
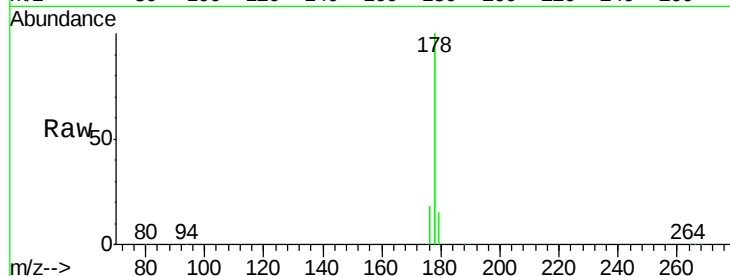
#13
Phenanthrene
Concen: 8.67 ng
RT: 12.95 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BE088429.D
Acq: 31 Oct 2014 18:42

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 1133815
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.4 12.8 19.2

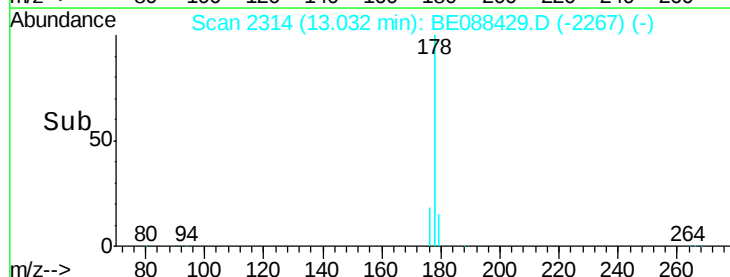
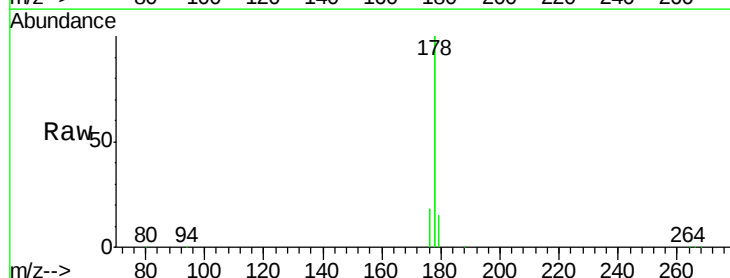
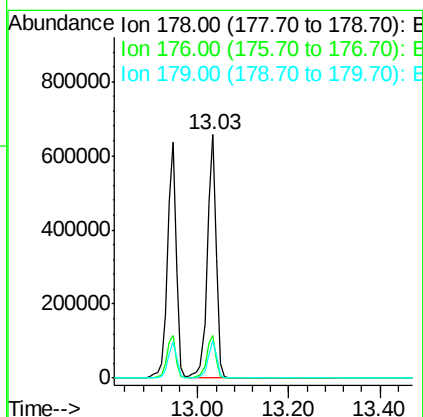
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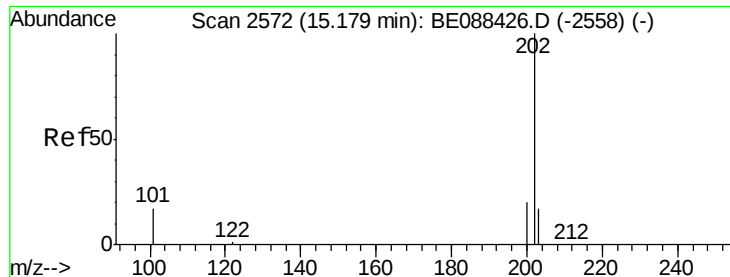
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#14
Anthracene
Concen: 9.27 ng
RT: 13.03 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BE088429.D
Acq: 31 Oct 2014 18:42

Tgt Ion:178 Resp: 884584
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 15.4 12.5 18.7





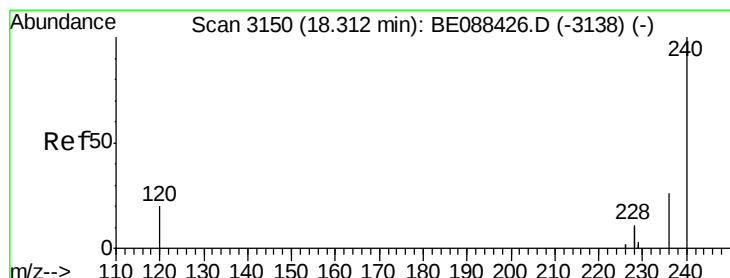
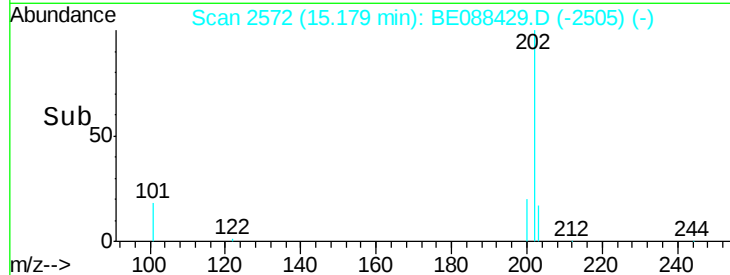
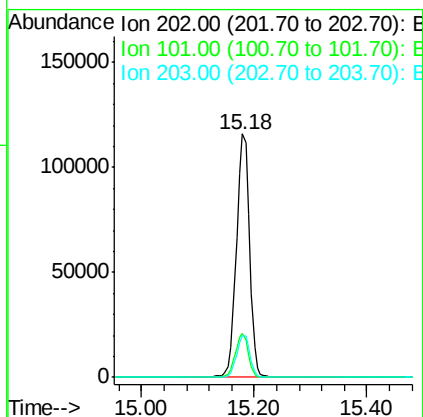
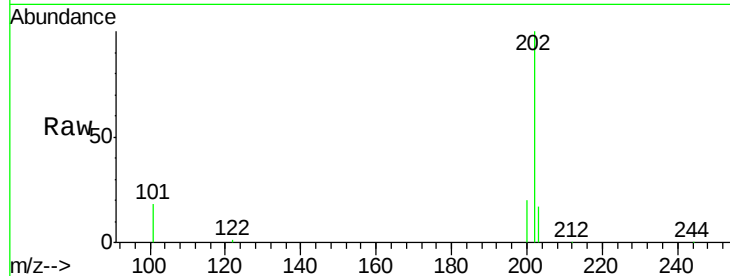
#15
Fluoranthene
 Concen: 9.89 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088429.D
 Acq: 31 Oct 2014 18:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	17.6	14.3	21.5
203	17.3	13.6	20.4

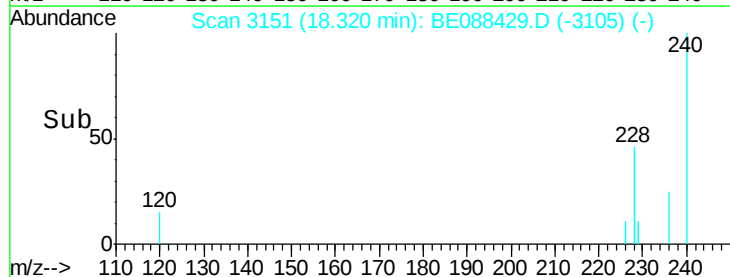
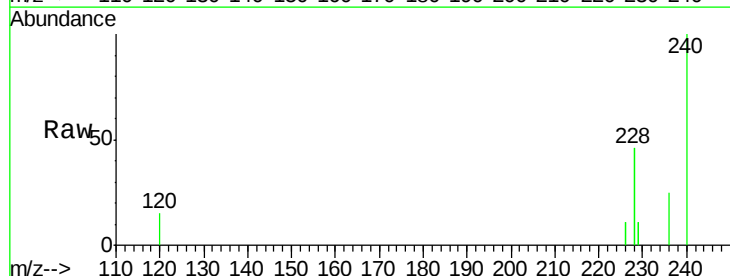
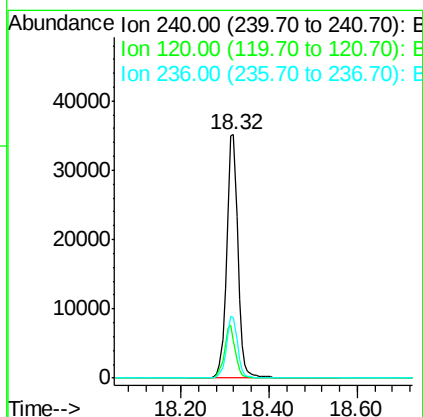
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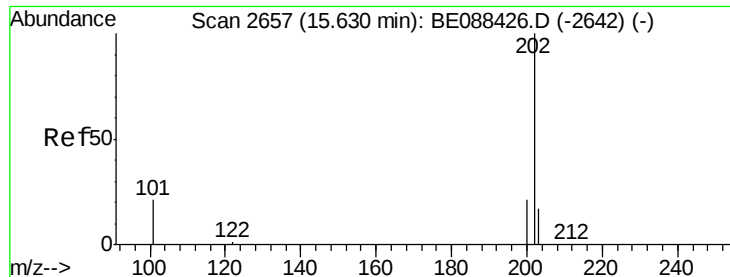
mohammad
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#16
Chrysene-d12
 Concen: 5.00 ng
 RT: 18.32 min Scan# 3151
 Delta R.T. 0.01 min
 Lab File: BE088429.D
 Acq: 31 Oct 2014 18:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.2	16.4	24.6#
236	24.8	20.5	30.7





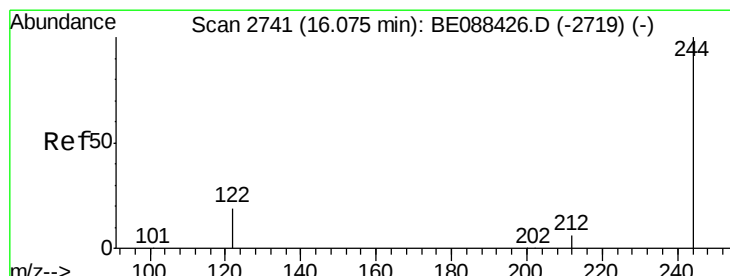
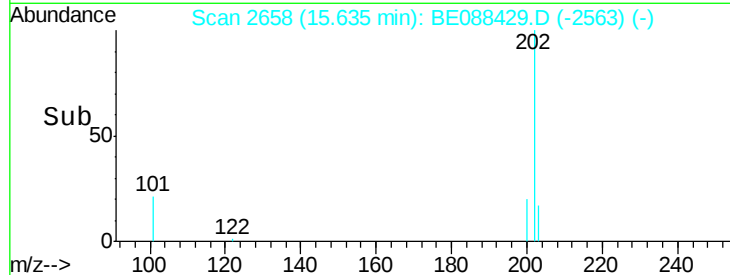
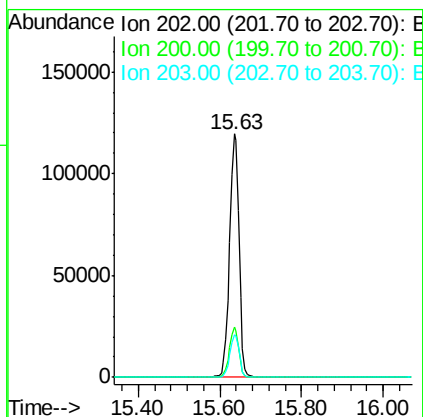
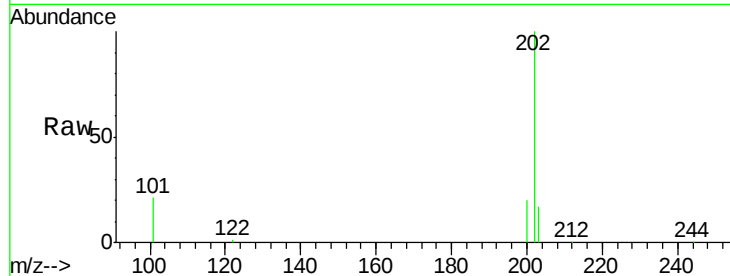
#17
 Pyrene
 Concen: 9.71 ng
 RT: 15.63 min Scan# 2658
 Delta R.T. 0.01 min
 Lab File: BE088429.D
 Acq: 31 Oct 2014 18:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	195623		
200	20.3	16.1	24.1	
203	17.4	13.8	20.8	

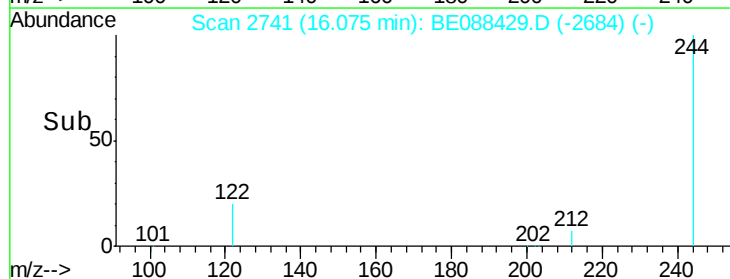
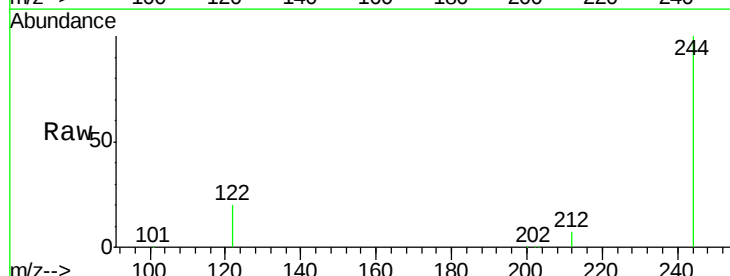
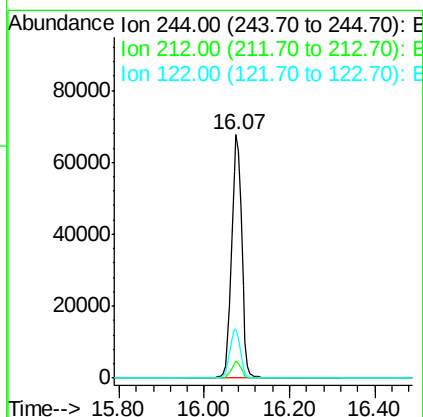
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#18
 Terphenyl-d14
 Concen: 9.93 ng
 RT: 16.07 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BE088429.D
 Acq: 31 Oct 2014 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	112326		
212	6.8	5.5	8.3	
122	20.4	15.6	23.4	





#19

Benzo(a)anthracene

Concen: 9.97 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

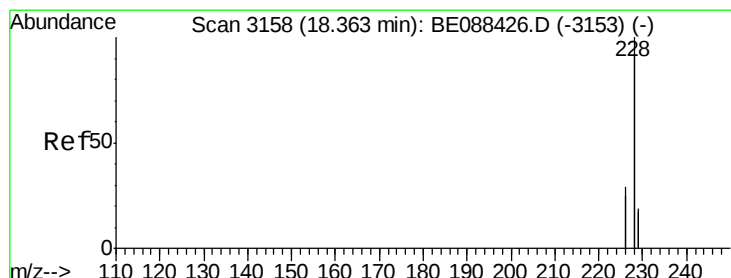
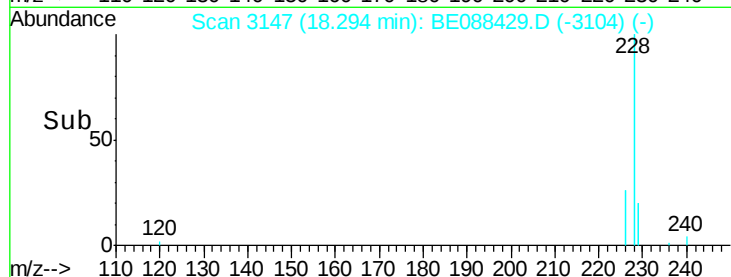
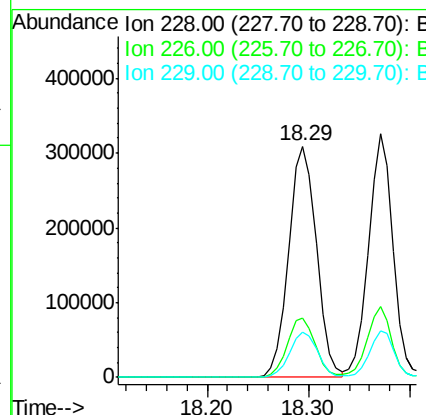
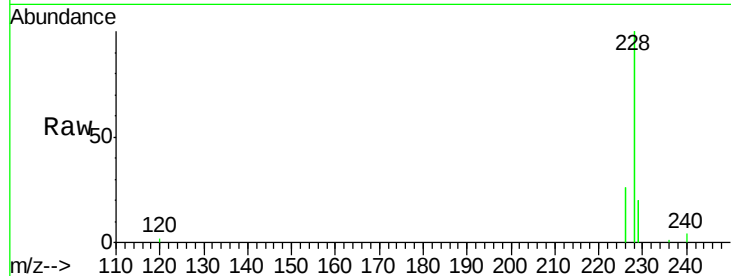
ClientSampleId :

SSTDICC010

Tgt Ion:	228	Resp:	577682
Ion Ratio	Lower	Upper	
228	100		
226	25.9	19.8	29.6
229	19.8	16.0	24.0

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#20

Chrysene

Concen: 9.78 ng

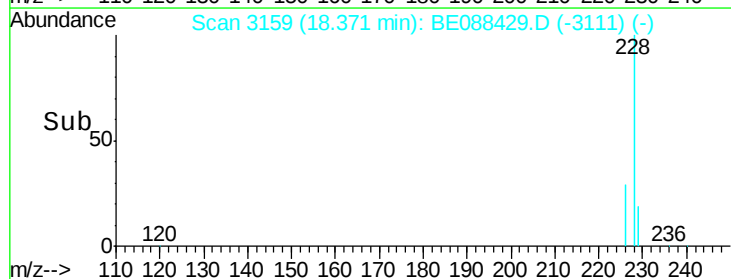
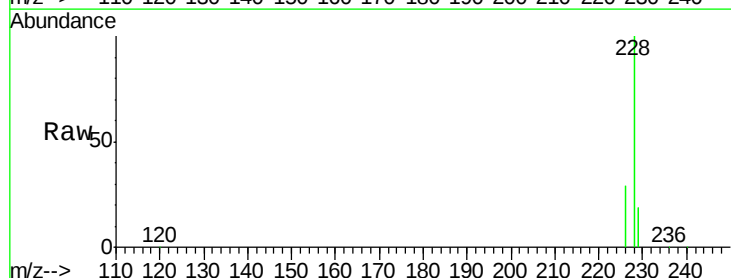
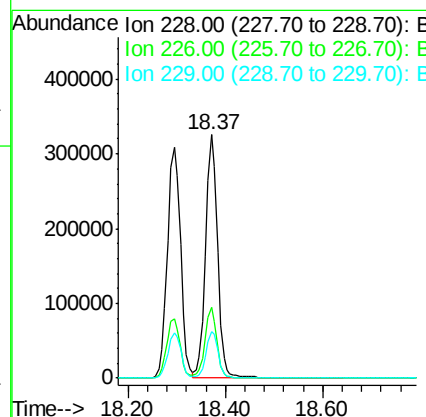
RT: 18.37 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

Tgt Ion:	228	Resp:	557592
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.6	35.4
229	19.1	15.4	23.2





#21

Indeno(1,2,3-cd)pyrene

Concen: 10.35 ng m

RT: 23.55 min Scan# 4151

Delta R.T. 0.01 min

Lab File: BE088429.D

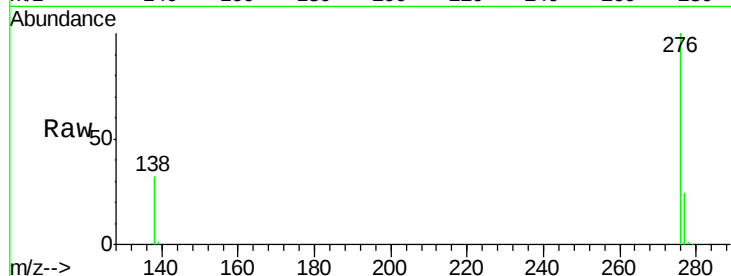
Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

ClientSampleId :

SSTDIC010



Tgt Ion: 276 Resp: 559663

Ion Ratio Lower Upper

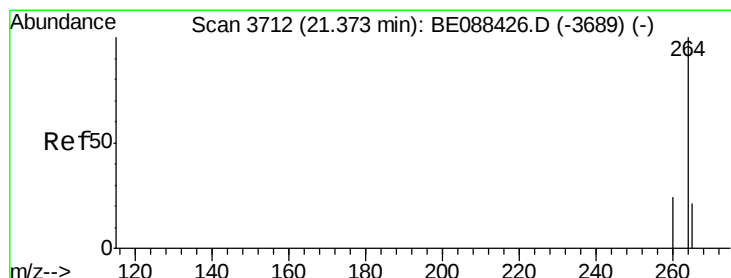
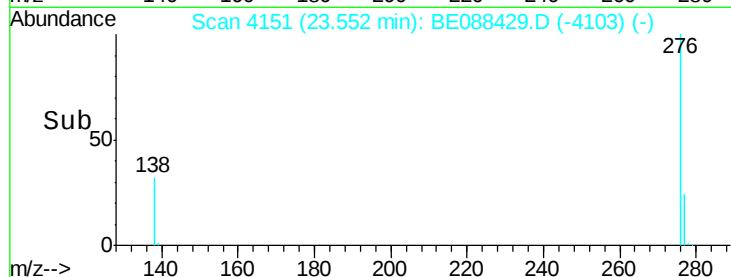
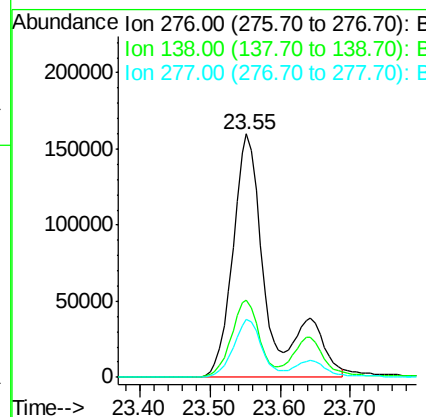
276 100

138 25.2 20.2 30.2

277 18.8 14.8 22.2

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.37 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

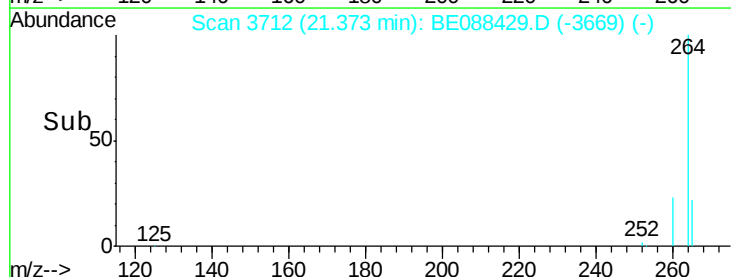
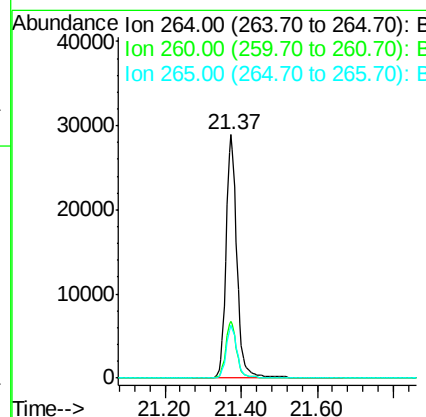
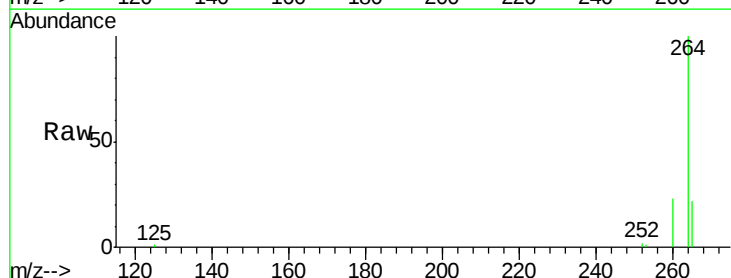
Tgt Ion: 264 Resp: 56174

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.7 17.2 25.8





#23

Benzo(b)fluoranthene

Concen: 10.42 ng

RT: 20.62 min Scan# 3546

Delta R.T. 0.00 min

Lab File: BE088429.D

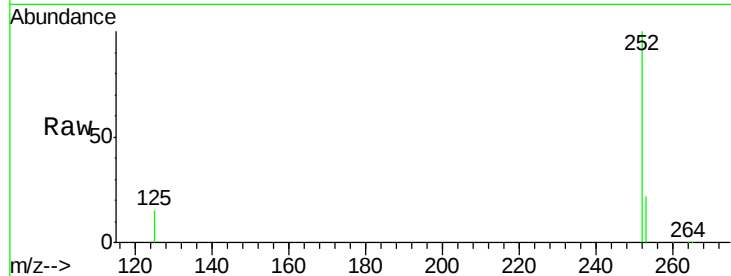
Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

ClientSampleId :

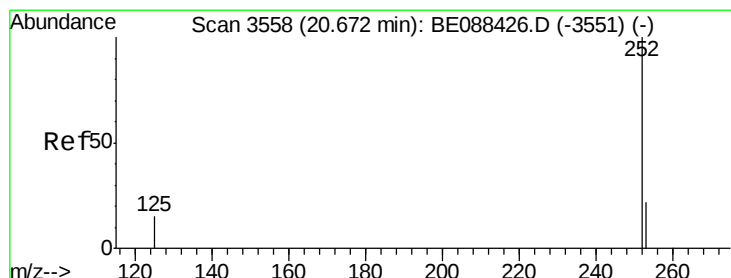
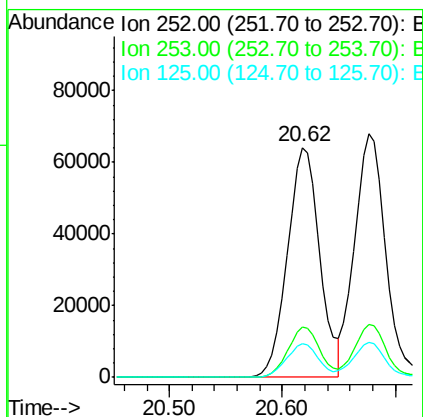
SSTDICC010



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	14.7	12.3	18.5

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#24

Benzo(k)fluoranthene

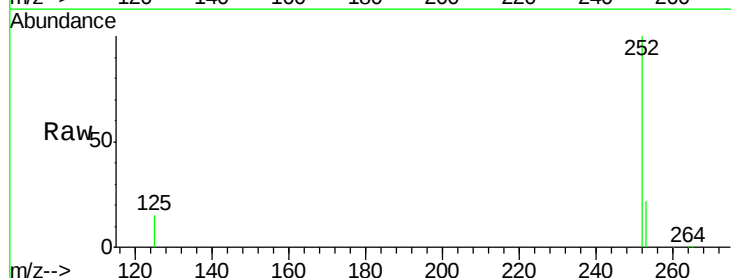
Concen: 9.85 ng

RT: 20.68 min Scan# 3559

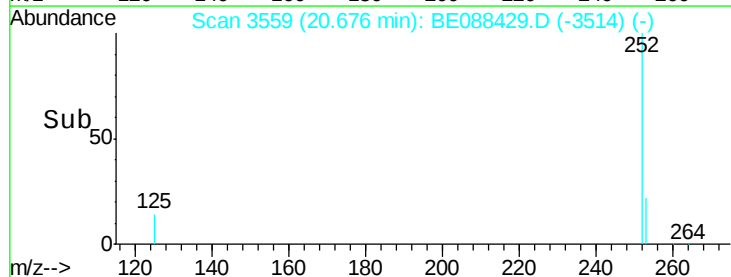
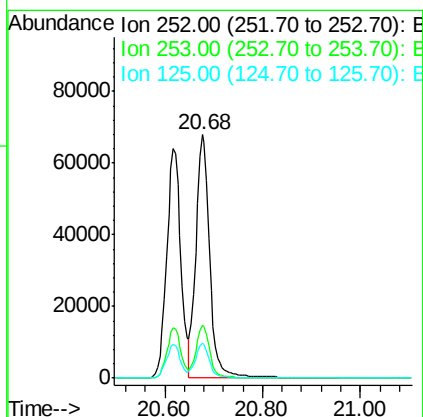
Delta R.T. 0.00 min

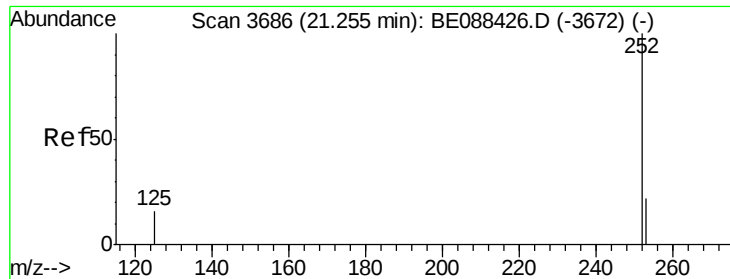
Lab File: BE088429.D

Acq: 31 Oct 2014 18:42



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	14.6	12.2	18.4





#25

Benzo(a)pyrene

Concen: 10.45 ng

RT: 21.26 min Scan# 3687

Delta R.T. 0.00 min

Lab File: BE088429.D

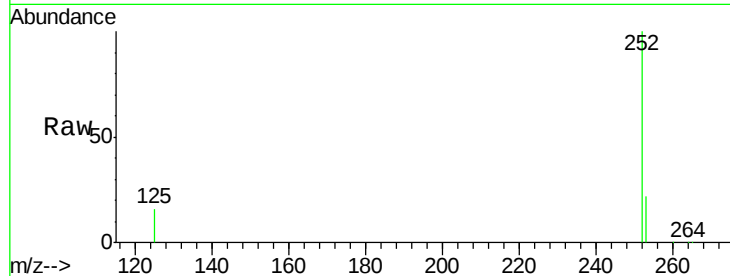
Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

ClientSampleId :

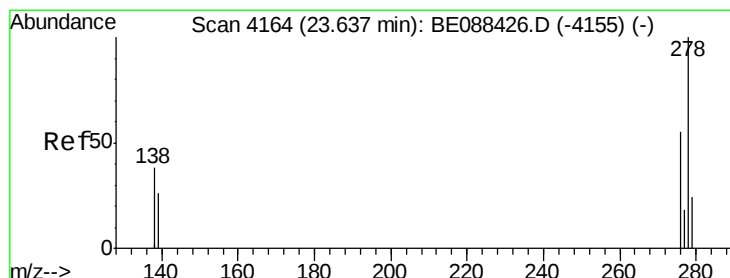
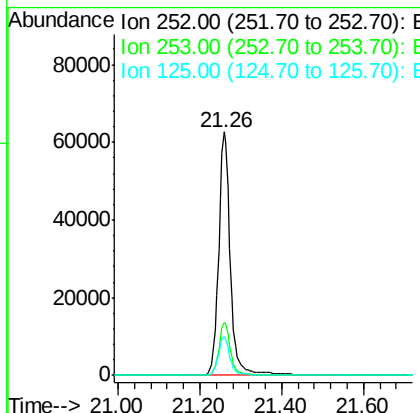
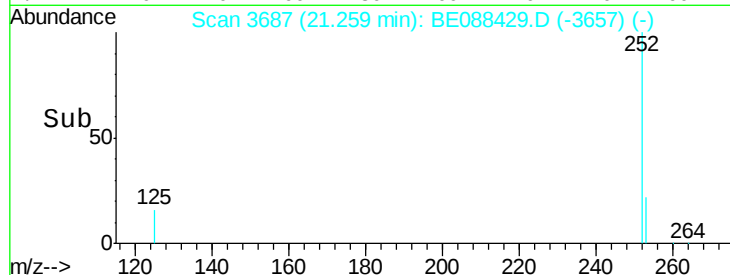
SSTDIC010



Tgt Ion:	252	Resp:	122868
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.2	27.4
125	16.0	13.7	20.5

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#26

Dibenzo(a,h)anthracene

Concen: 10.36 ng

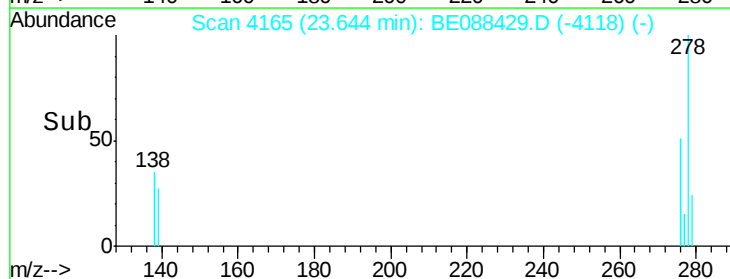
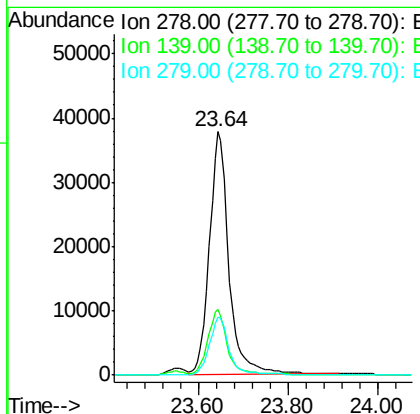
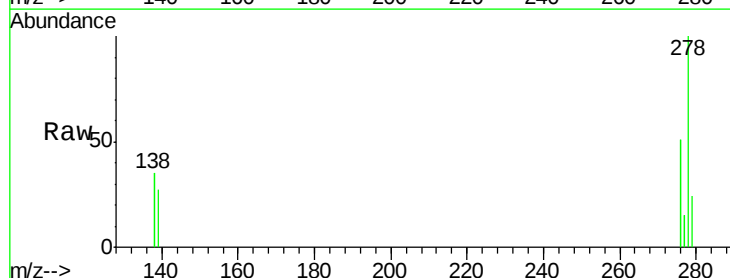
RT: 23.64 min Scan# 4165

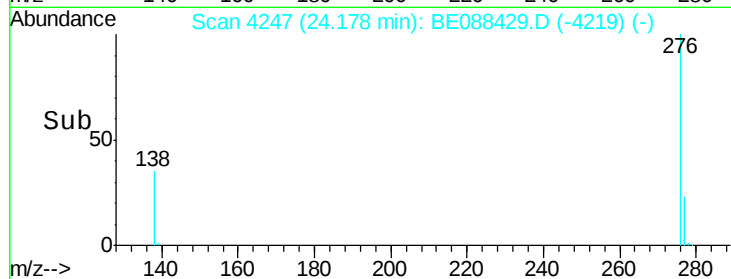
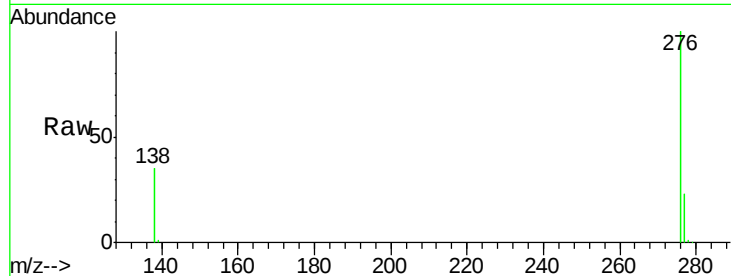
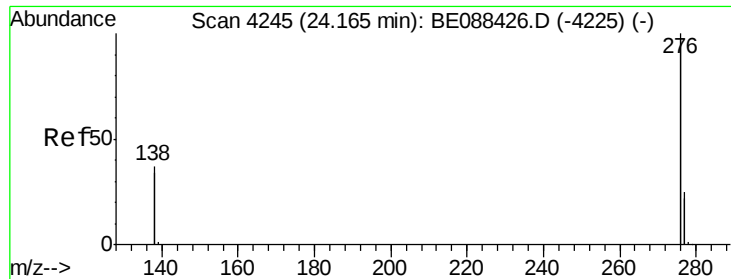
Delta R.T. 0.01 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

Tgt Ion:	278	Resp:	113301
Ion Ratio	Lower	Upper	
278	100		
139	26.9	22.1	33.1
279	23.9	19.7	29.5





#27

Benzo(g,h,i)perylene

Concen: 9.87 ng

RT: 24.18 min Scan# 4247

Delta R.T. 0.01 min

Lab File: BE088429.D

Acq: 31 Oct 2014 18:42

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

Tgt	Ion	276	Resp:	497946
Ion	Ratio	Lower	Upper	
276	100			
277	23.5	19.8	29.6	
138	34.6	29.3	43.9	

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