

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088123.D
 Acq On : 21 Oct 2014 00:02
 Operator : TP/JJ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102014

Manual Integrations
 APPROVED

mohammad
 10/22/2014 1:51:24 PM

Quant Time: Oct 21 03:10:21 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	45888	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	173018	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	76360	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	137921	5.00	ng	0.00
16) Chrysene-d12	18.39	240	103209	5.00	ng	0.00
22) Perylene-d12	21.44	264	95167	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	13858	1.11	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	23318	1.11	ng	0.00
18) Terphenyl-d14	16.14	244	17605	1.06	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.41	88	7064	1.07	ng	99
5) Naphthalene	8.72	128	38437	1.08	ng	100
6) 2-Methylnaphthalene	9.57	142	23360	1.09	ng	98
9) Acenaphthylene	10.66	152	130058	1.12	ng	100
10) Acenaphthene	10.88	154	19617	1.09	ng	97
11) Fluorene	11.55	166	20768	1.09	ng	99
13) Phenanthrene	13.00	178	144794	1.26	ng	100
14) Anthracene	13.09	178	115642	1.07	ng	99
15) Fluoranthene	15.25	202	27153	1.03	ng	100
17) Pyrene	15.70	202	29043	1.04	ng	100
19) Benzo(a)anthracene	18.36	228	91442	1.00	ng	99
20) Chrysene	18.44	228	93419	1.04	ng	98
21) Indeno(1,2,3-cd)pyrene	23.63	276	103038m	1.03	ng	
23) Benzo(b)fluoranthene	20.68	252	22929	1.01	ng	99
24) Benzo(k)fluoranthene	20.74	252	25594	1.06	ng	100
25) Benzo(a)pyrene	21.32	252	21679	1.04	ng	99
26) Dibenzo(a,h)anthracene	23.73	278	21121	1.03	ng	99
27) Benzo(g,h,i)perylene	24.26	276	93253	1.03	ng	99

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

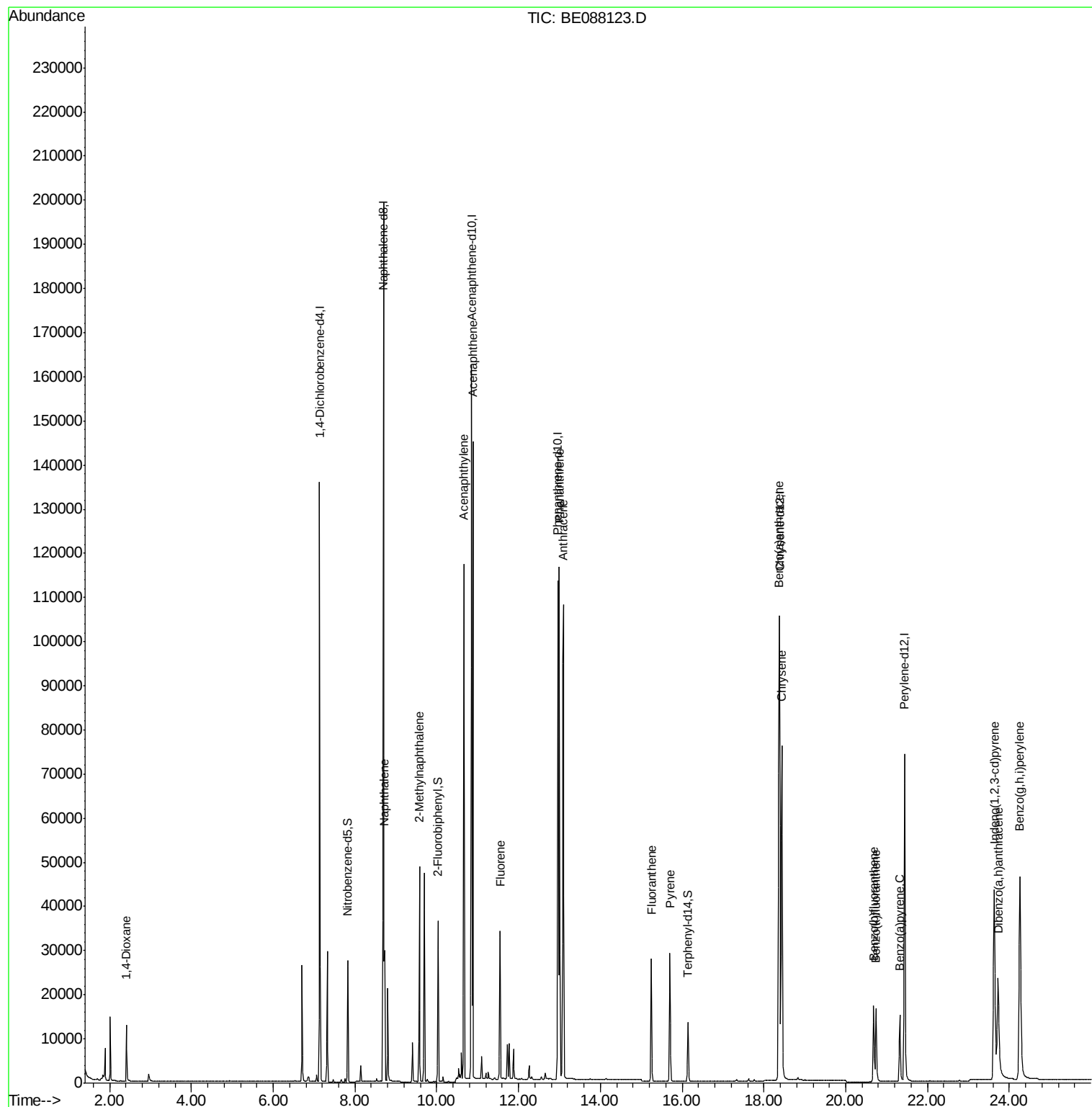
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088123.D
Acq On : 21 Oct 2014 00:02
Operator : TP/JJ
Sample : SSTDICV001
Misc :
ALS Vial : 10 Sample Multiplier: 1

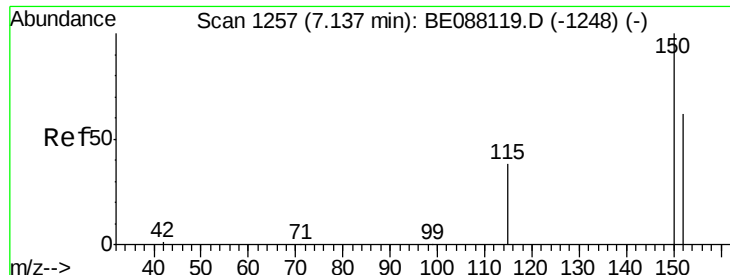
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088123.D

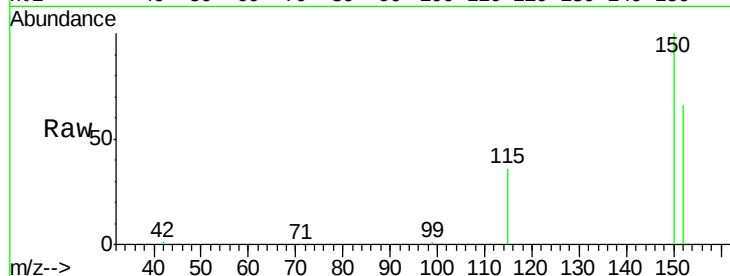
Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

ClientSampleId :

ICVBE102014



Tgt Ion: 152 Resp: 45888

Ion Ratio Lower Upper

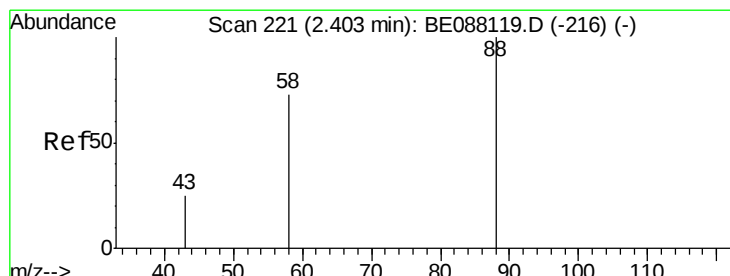
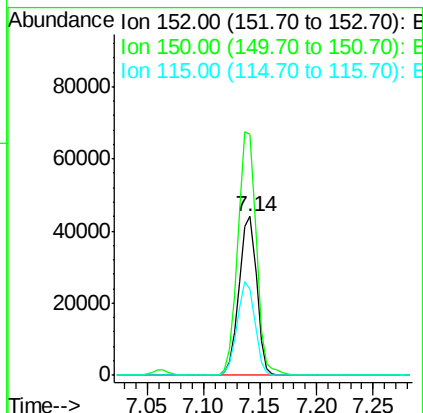
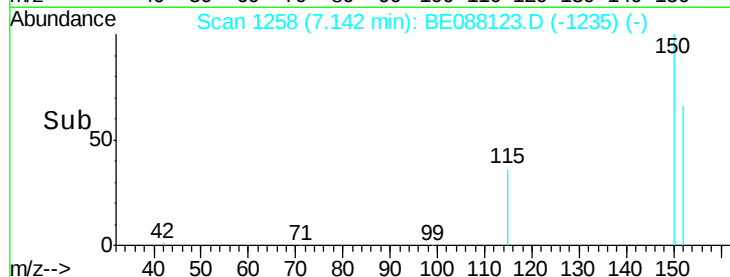
152 100

150 151.6 129.2 193.8

115 54.7 49.3 73.9

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#2

1,4-Dioxane

Concen: 1.07 ng

RT: 2.41 min Scan# 222

Delta R.T. 0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

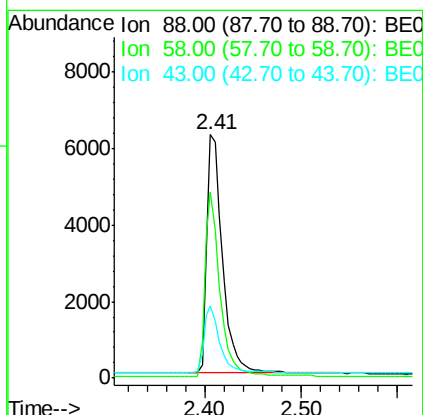
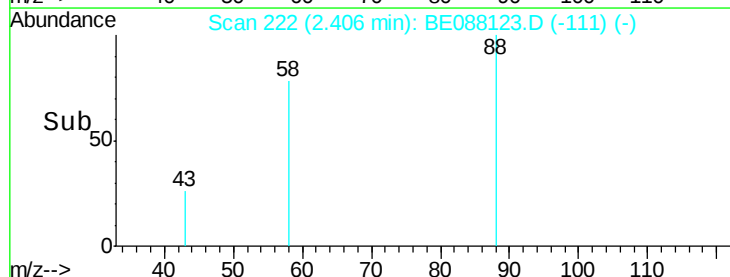
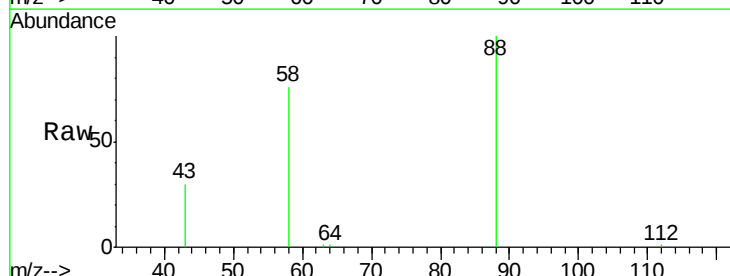
Tgt Ion: 88 Resp: 7064

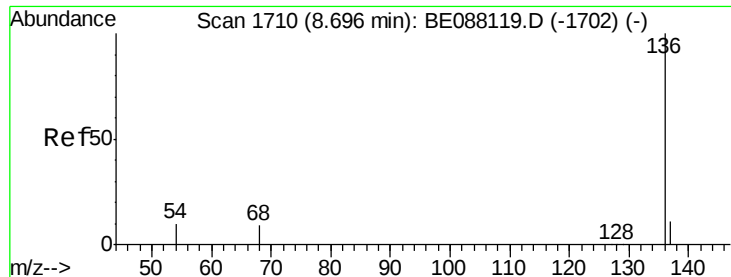
Ion Ratio Lower Upper

88 100

58 73.8 59.5 89.3

43 27.2 21.2 31.8





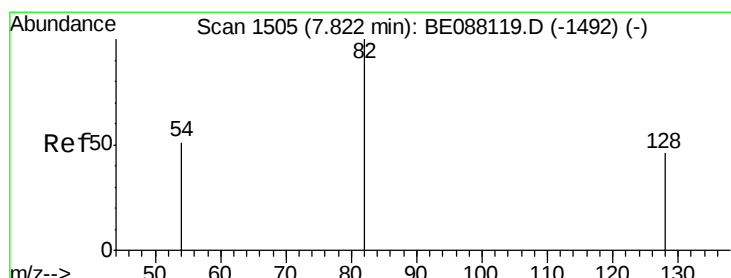
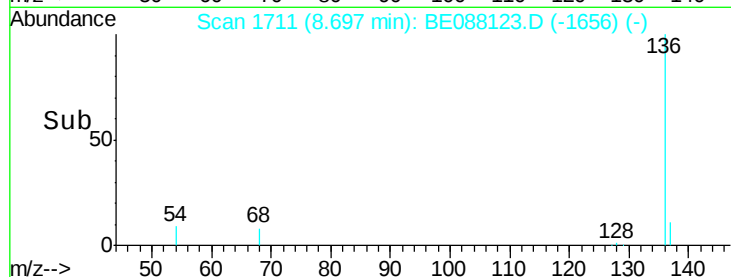
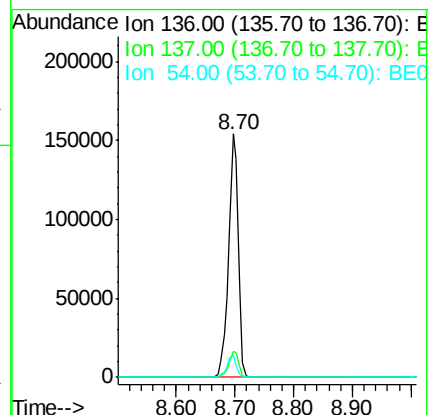
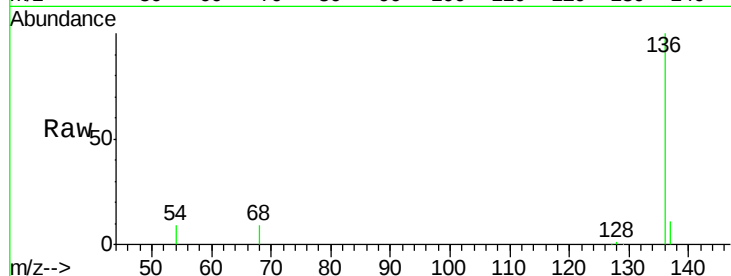
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

Instrument :
BNA_E
ClientSampleId :
ICVBE102014

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	173018		
137	10.7	8.6	12.8	
54	9.3	7.7	11.5	

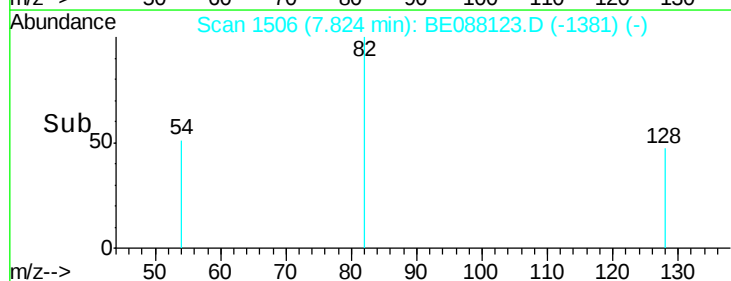
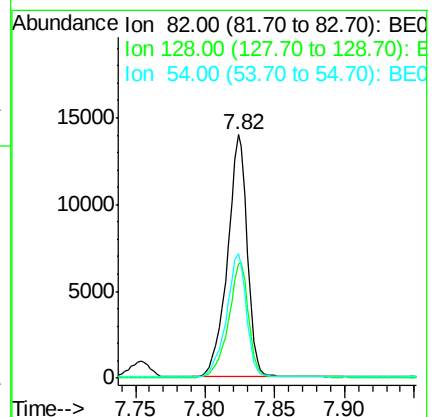
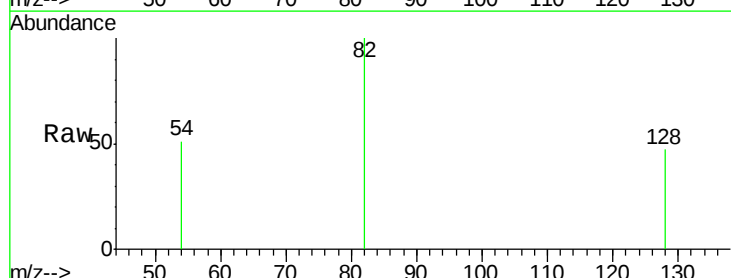
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#4
Nitrobenzene-d5
Concen: 1.11 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	13858		
128	47.0	37.1	55.7	
54	51.2	41.1	61.7	





#5

Naphthalene

Concen: 1.08 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

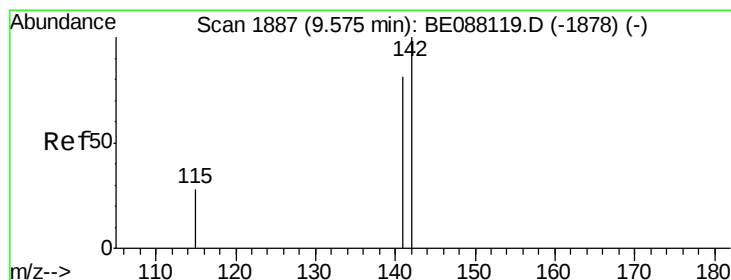
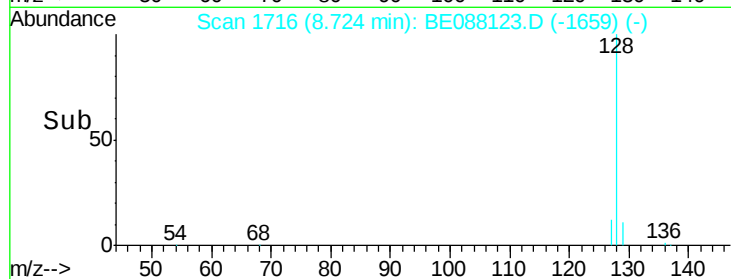
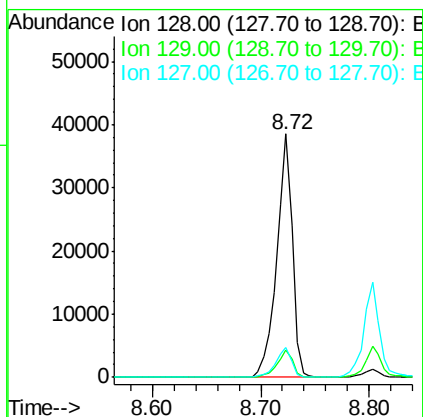
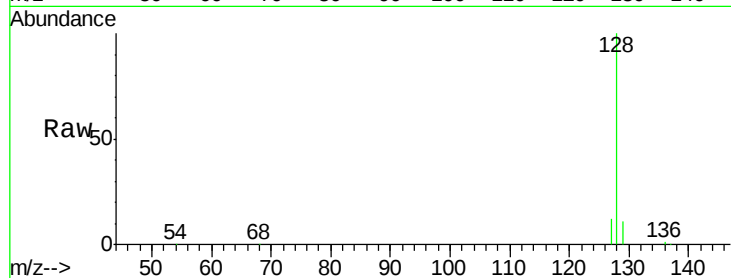
ClientSampleId :

ICVBE102014

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.1	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 1.09 ng

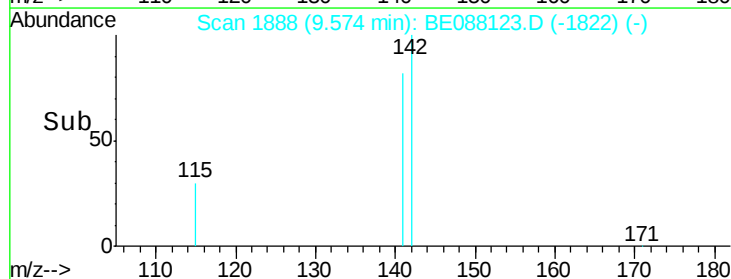
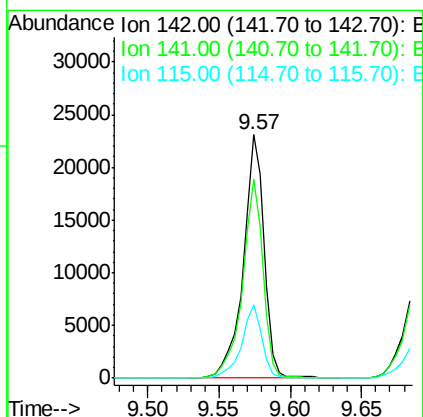
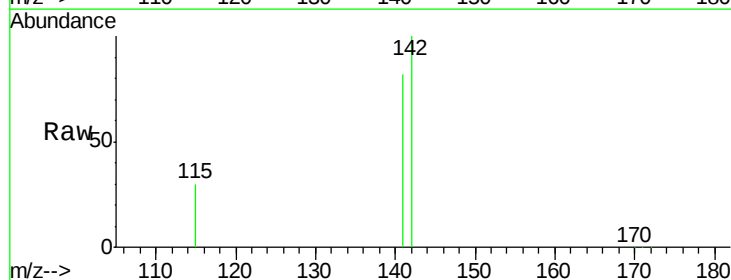
RT: 9.57 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.9	64.6	97.0
115	29.9	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: BE088123.D

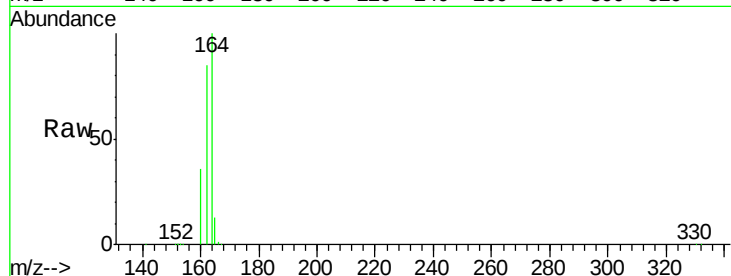
Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

ClientSampleId :

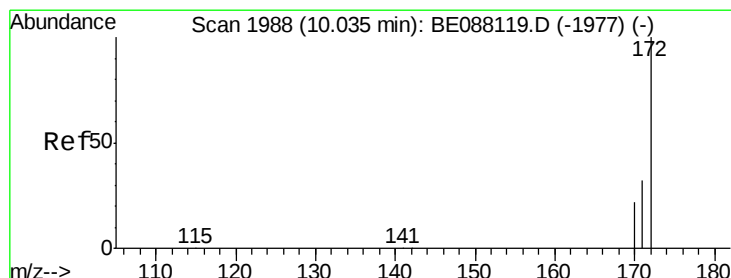
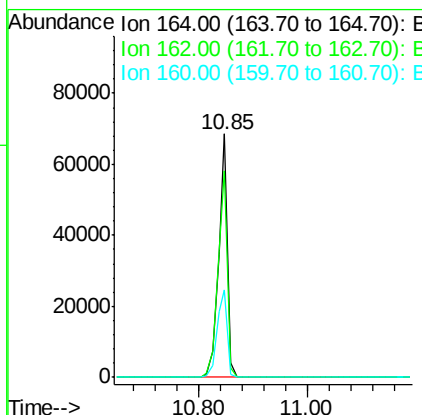
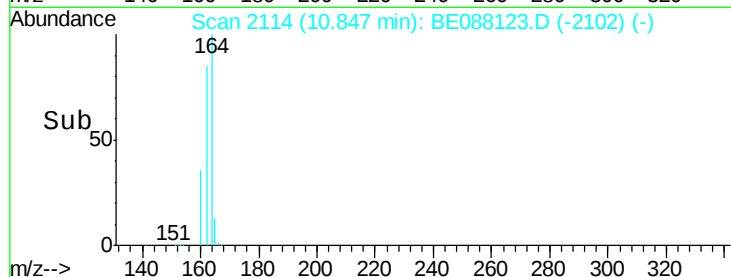
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Tgt Ion:	164	Resp:	76360
Ion Ratio	Lower	Upper	
164	100		
162	84.9	68.3	102.5
160	35.9	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 1.11 ng

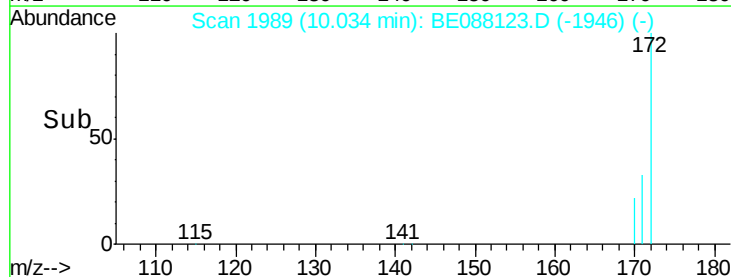
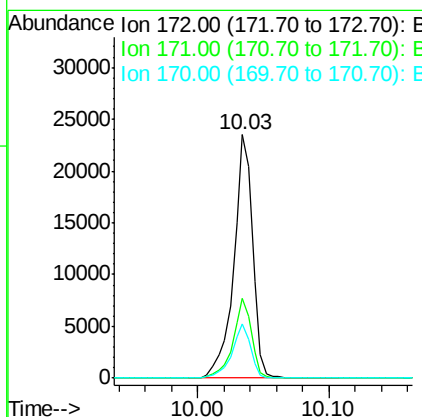
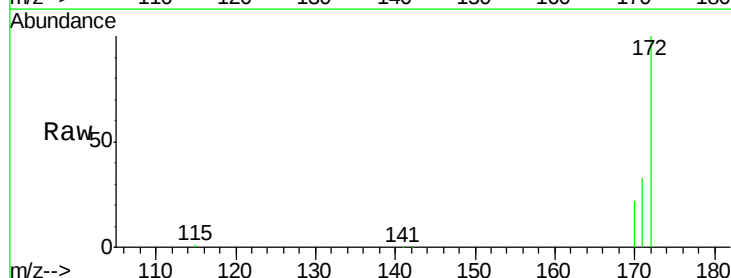
RT: 10.03 min Scan# 1989

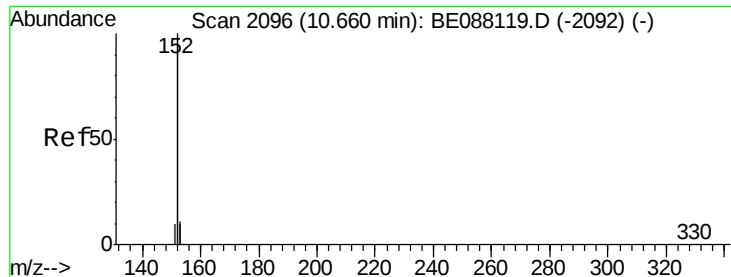
Delta R.T. -0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

Tgt Ion:	172	Resp:	23318
Ion Ratio	Lower	Upper	
172	100		
171	32.6	25.4	38.2
170	22.4	17.4	26.2





#9

Acenaphthylene

Concen: 1.12 ng

RT: 10.66 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

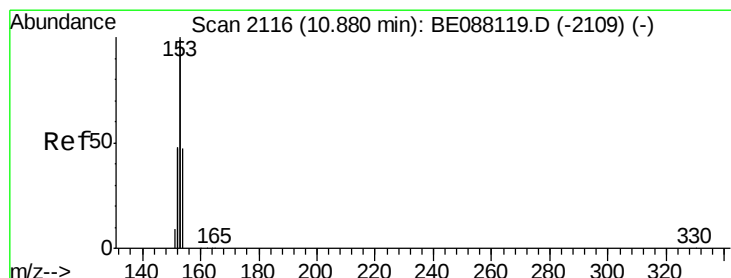
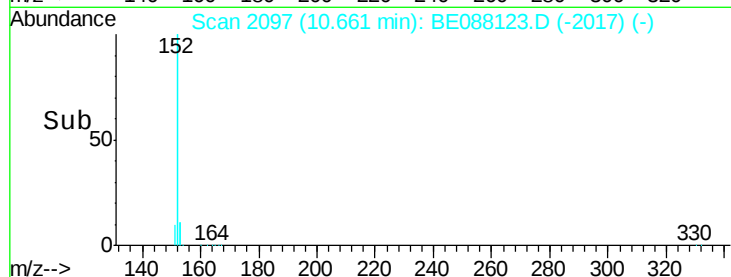
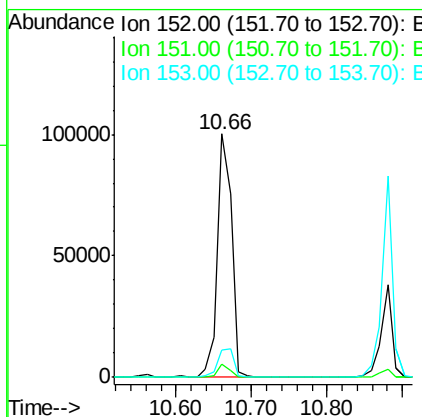
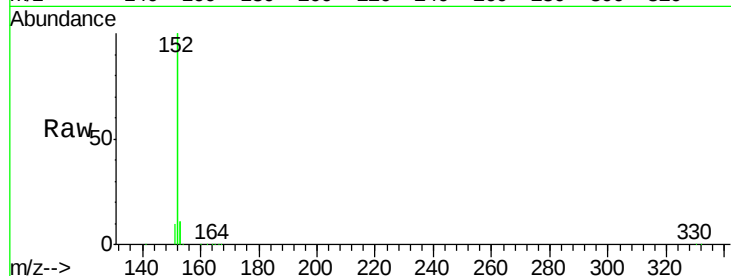
ClientSampleId :

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Tgt Ion:	152	Resp:	130058
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.4	15.6

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#10

Acenaphthene

Concen: 1.09 ng

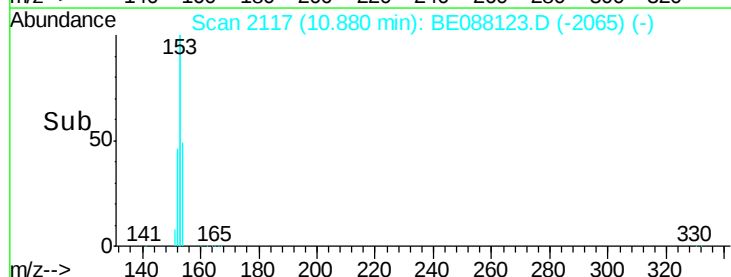
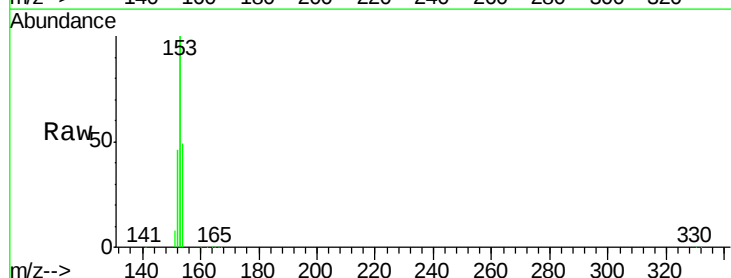
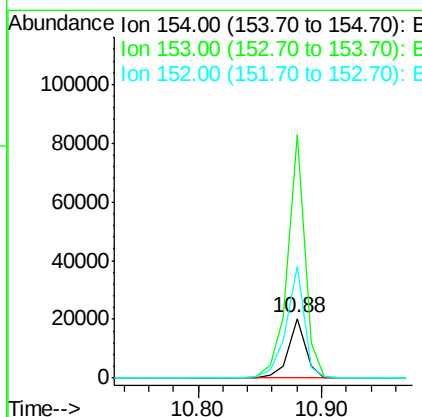
RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

Tgt Ion:	154	Resp:	19617
Ion Ratio	Lower	Upper	
154	100		
153	404.9	327.8	491.6
152	191.7	157.6	236.4





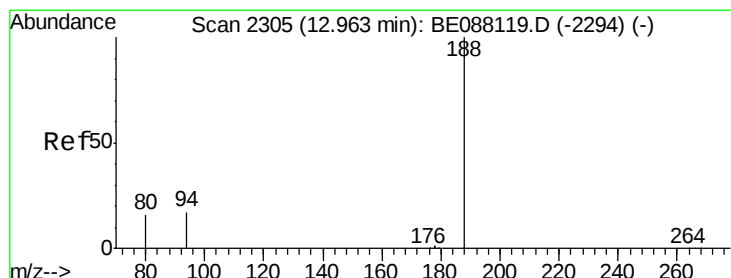
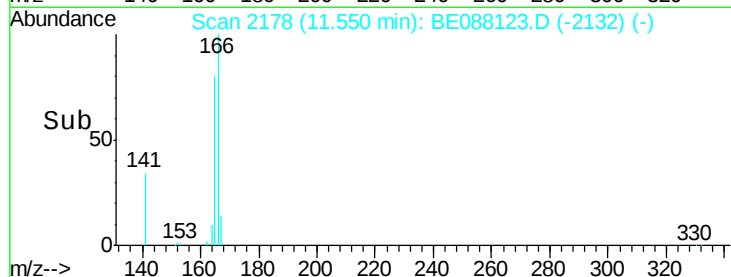
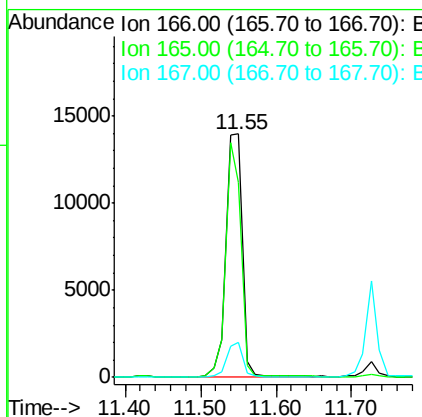
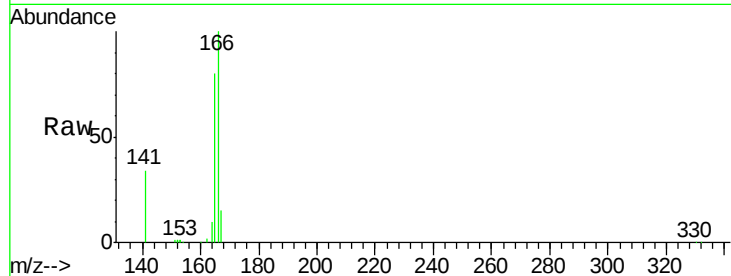
#11
Fluorene
 Concen: 1.09 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BE088123.D
 Acq: 21 Oct 2014 00:02

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102014

Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.8	71.4	107.2
167	13.5	10.6	16.0

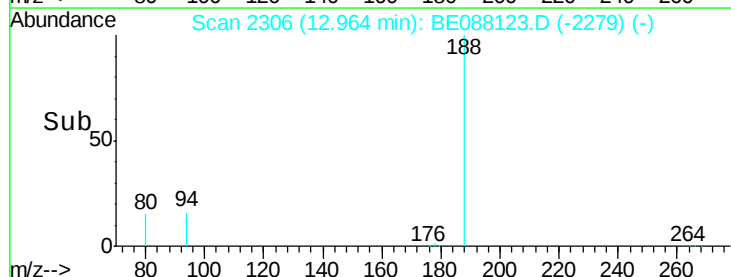
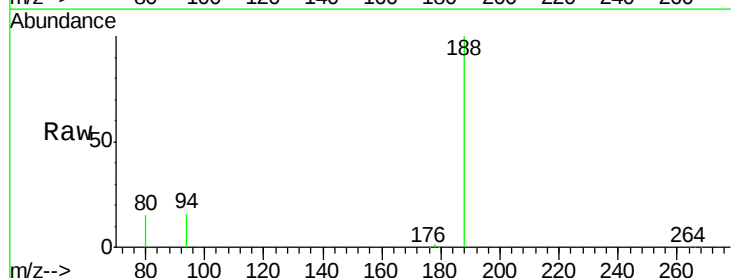
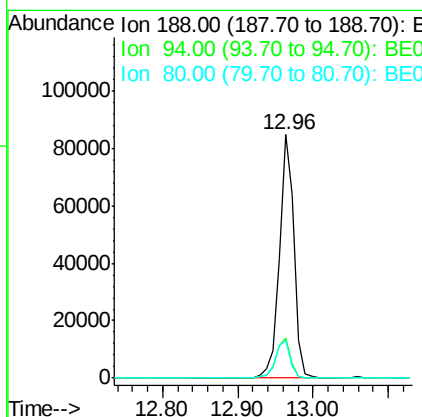
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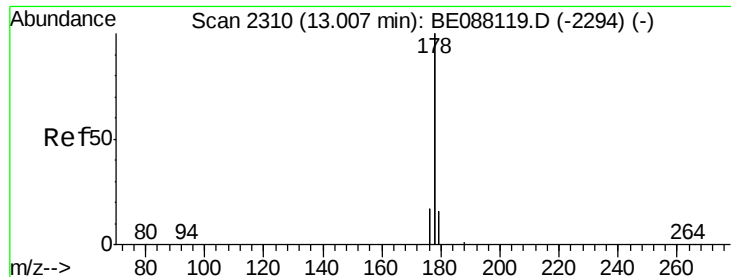
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BE088123.D
 Acq: 21 Oct 2014 00:02

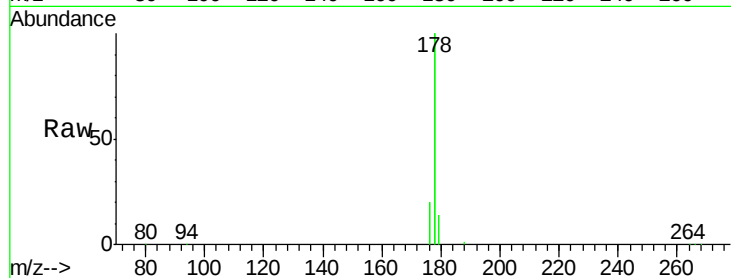
Tgt Ion	Ratio	Lower	Upper
188	100		
94	16.3	13.9	20.9
80	15.3	12.9	19.3





#13
Phenanthrene
Concen: 1.26 ng
RT: 13.00 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

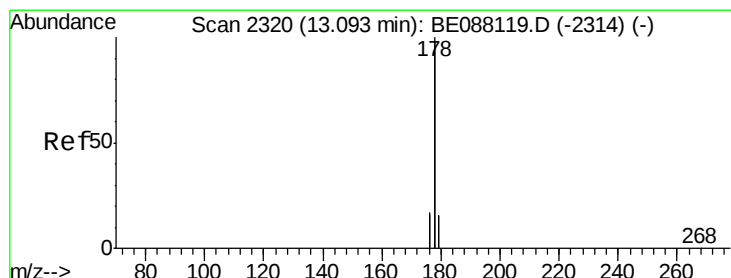
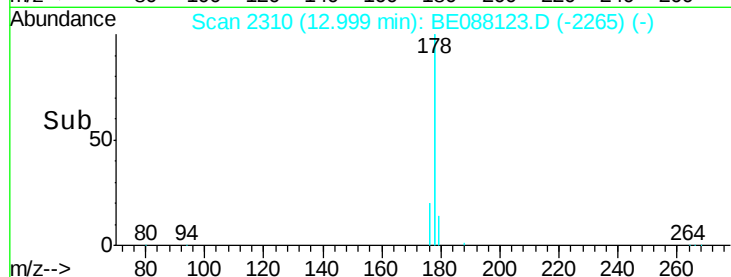
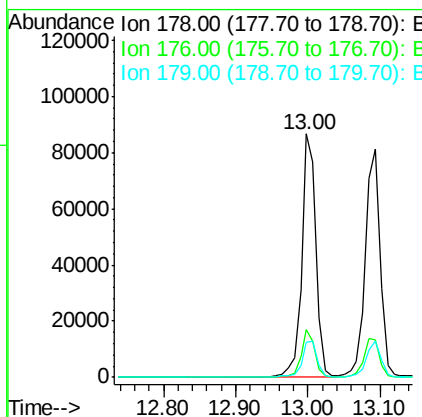
Instrument :
BNA_E
ClientSampleId :
ICVBE102014



Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.7	12.5	18.7
179	16.7	13.5	20.3

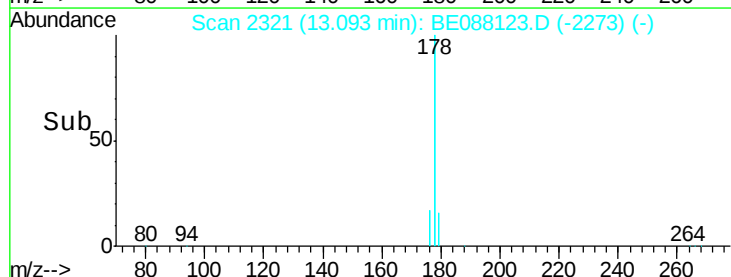
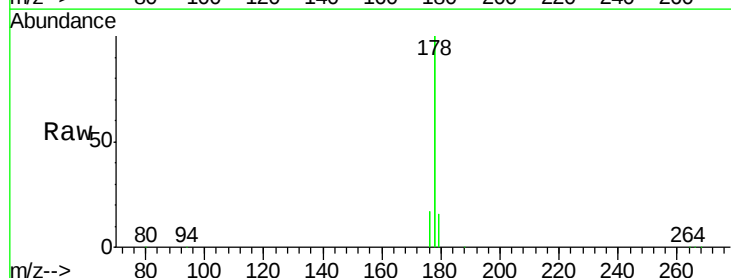
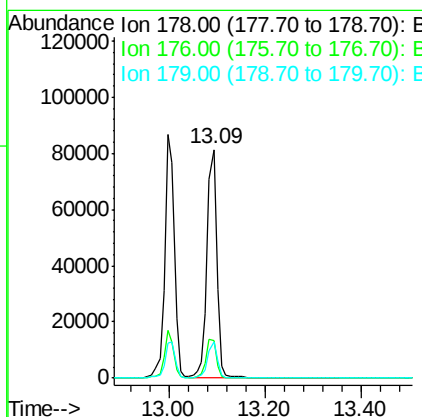
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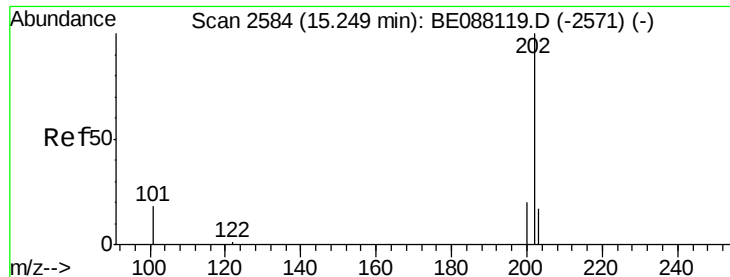
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#14
Anthracene
Concen: 1.07 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.4	12.5	18.7





#15

Fluoranthene

Concen: 1.03 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088123.D

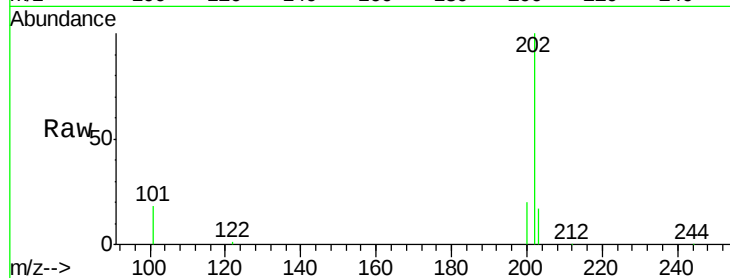
Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

ClientSampleId :

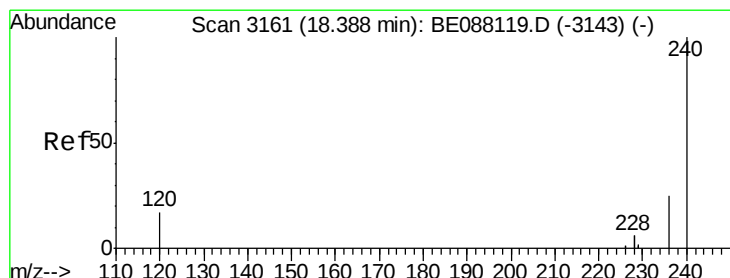
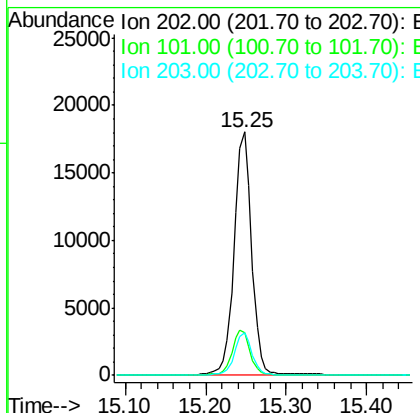
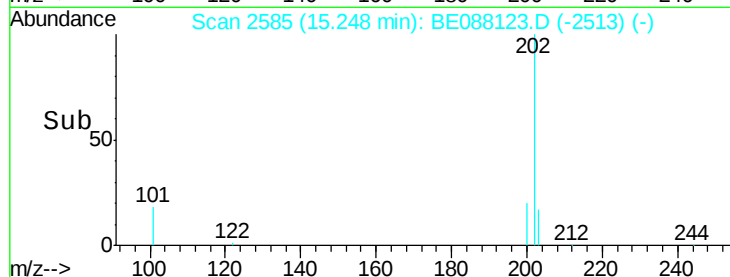
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.6	14.8	22.2
203	17.1	13.5	20.3

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#16

Chrysene-d12

Concen: 5.00 ng

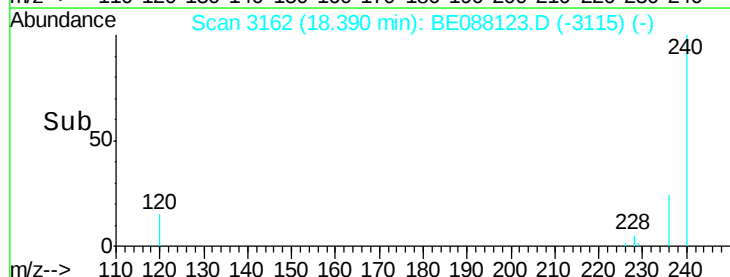
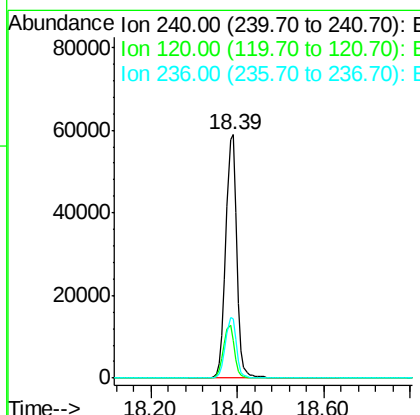
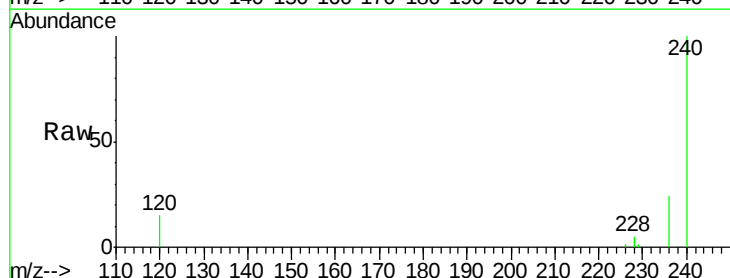
RT: 18.39 min Scan# 3162

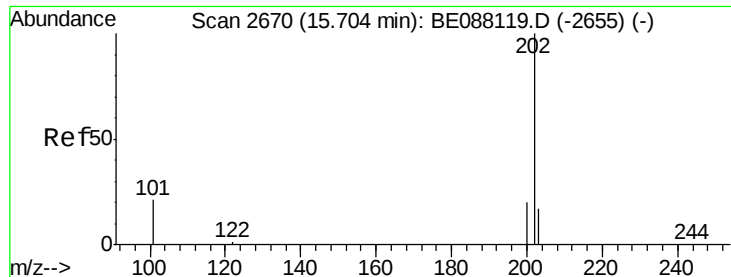
Delta R.T. 0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.5	13.9	20.9
236	24.4	19.9	29.9





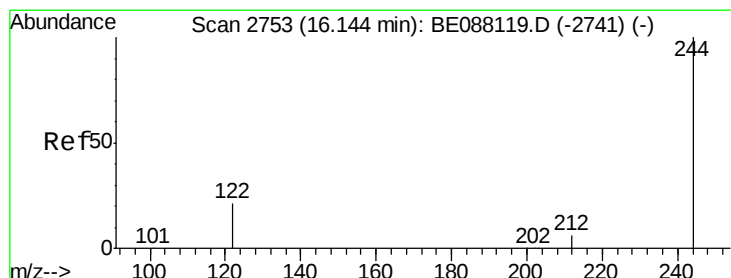
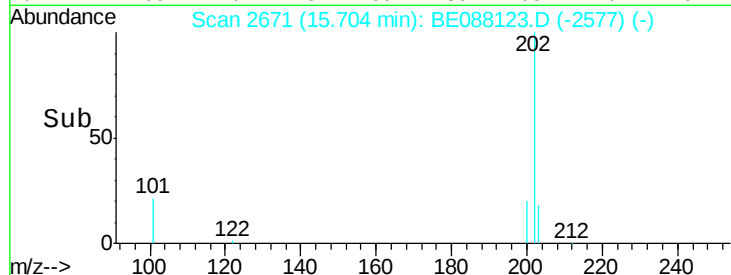
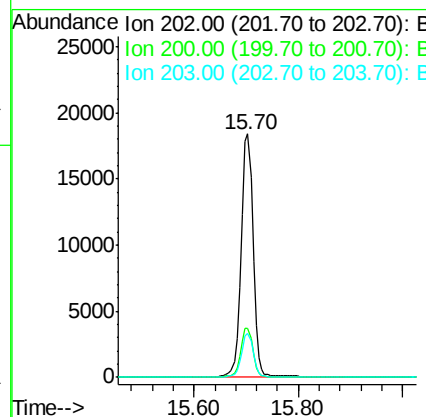
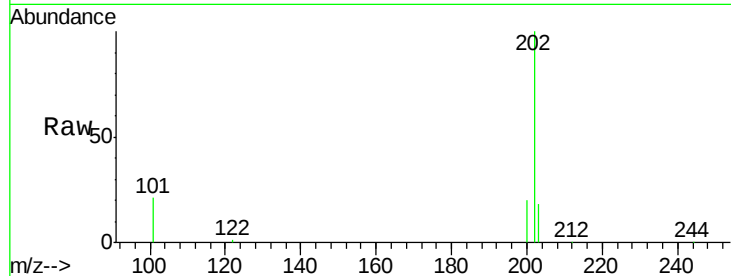
#17
Pyrene
Concen: 1.04 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

Instrument :
BNA_E
ClientSampleId :
ICVBE102014

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	16.1	24.1
203	17.5	13.9	20.9

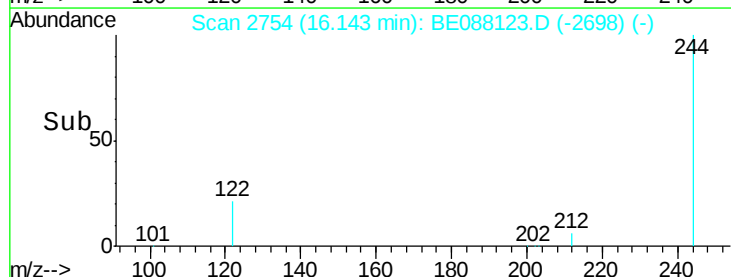
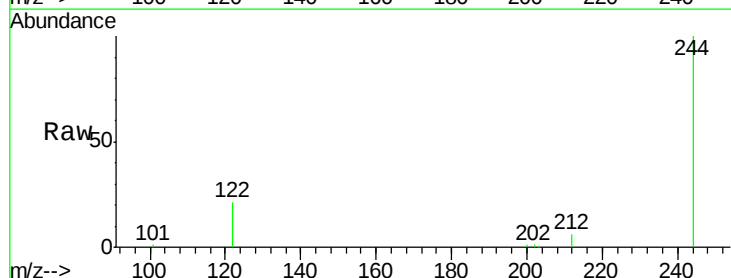
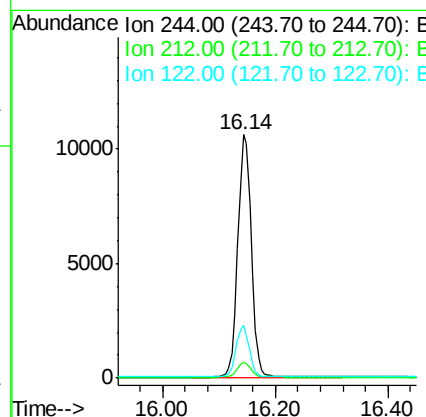
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#18
Terphenyl-d14
Concen: 1.06 ng
RT: 16.14 min Scan# 2754
Delta R.T. -0.00 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	5.4	8.0
122	21.5	17.5	26.3





#19

Benzo(a)anthracene

Concen: 1.00 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088123.D

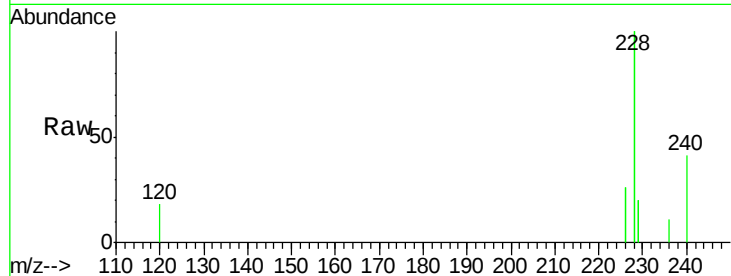
Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

ClientSampleId :

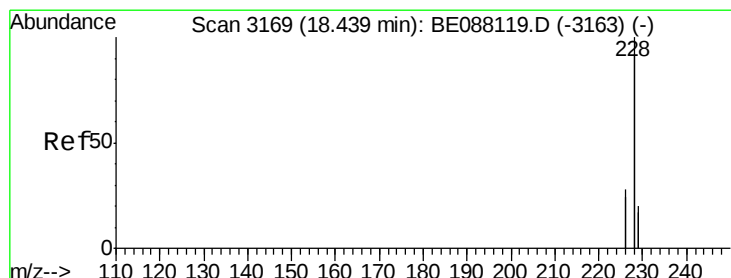
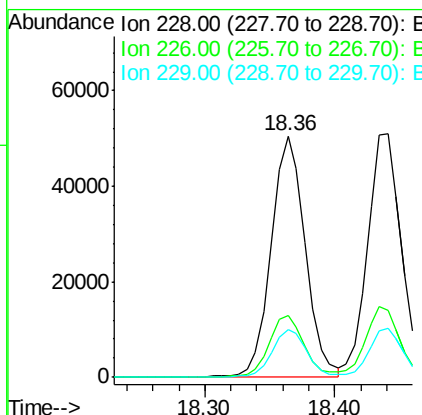
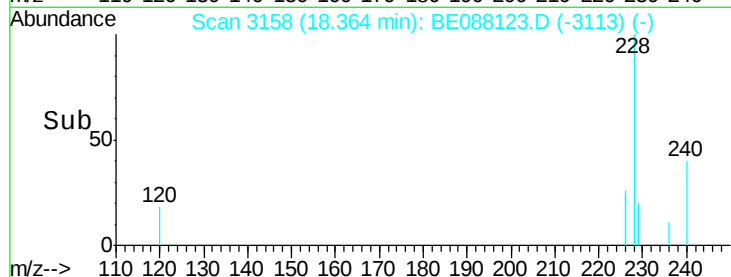
ICVBE102014



Tgt Ion:	228	Resp:	91442
Ion Ratio	Lower	Upper	
228	100		
226	25.5	20.8	31.2
229	19.7	15.6	23.4

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#20

Chrysene

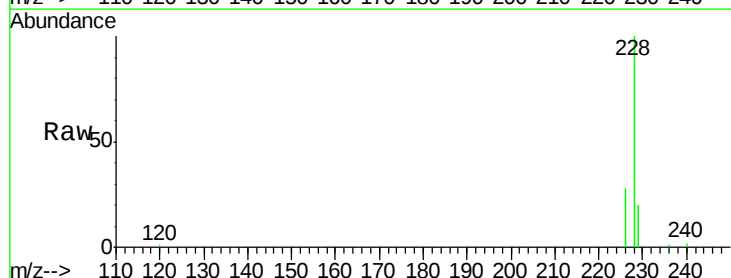
Concen: 1.04 ng

RT: 18.44 min Scan# 3170

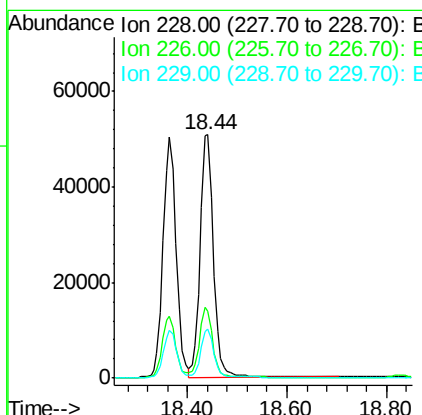
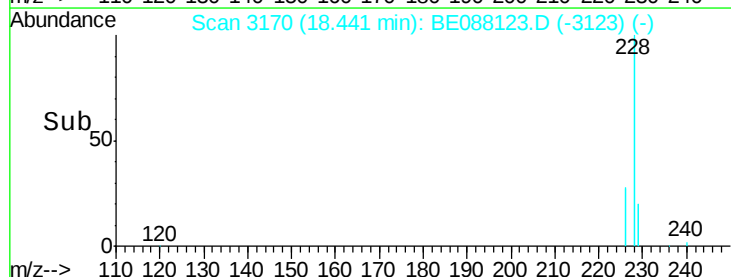
Delta R.T. 0.00 min

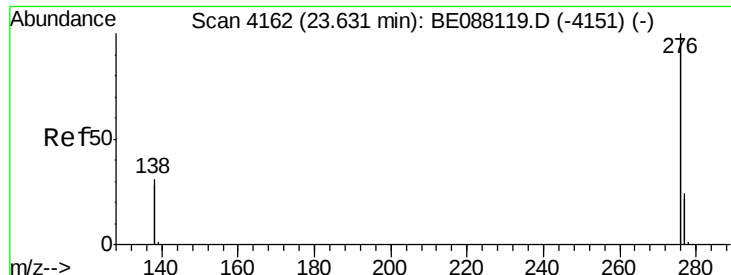
Lab File: BE088123.D

Acq: 21 Oct 2014 00:02



Tgt Ion:	228	Resp:	93419
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.7	34.1
229	20.3	15.8	23.6





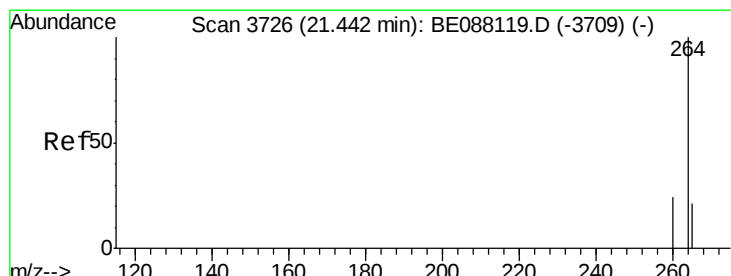
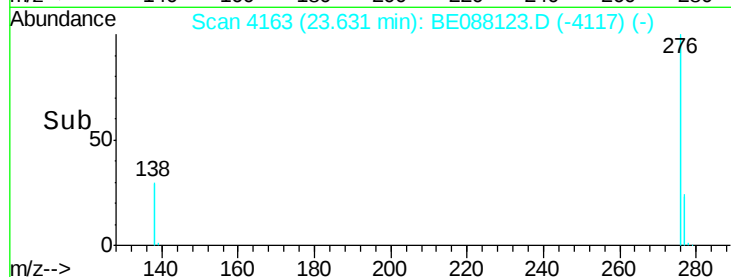
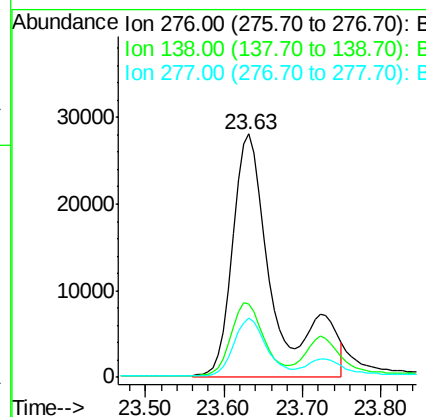
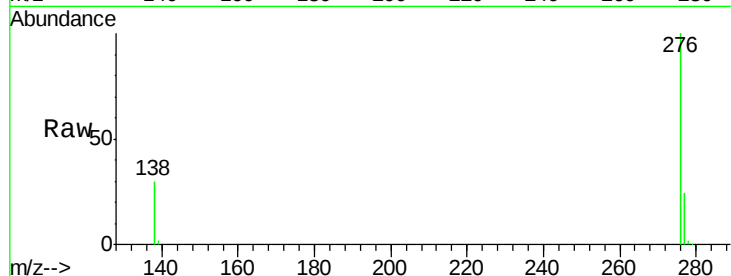
#21
Indeno(1,2,3-cd)pyrene
Concen: 1.03 ng m
RT: 23.63 min Scan# 4163
Delta R.T. 0.00 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

Instrument :
BNA_E
ClientSampleId :
ICVBE102014

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	18.5	27.7
277	18.8	14.6	21.8

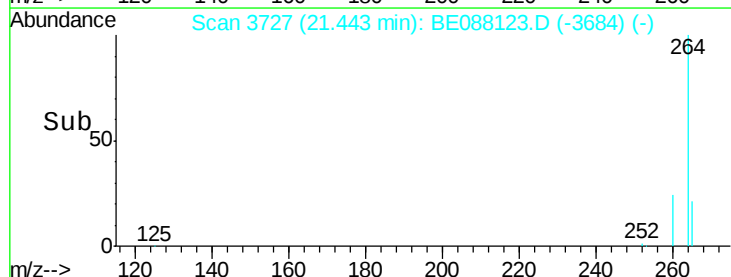
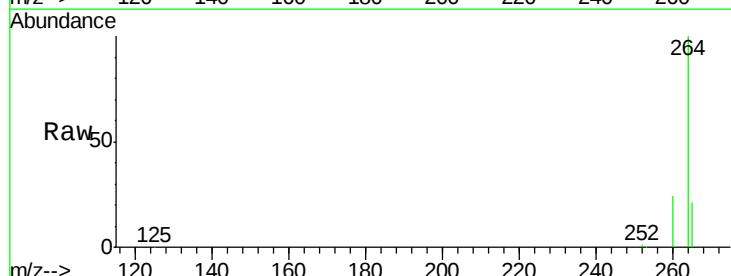
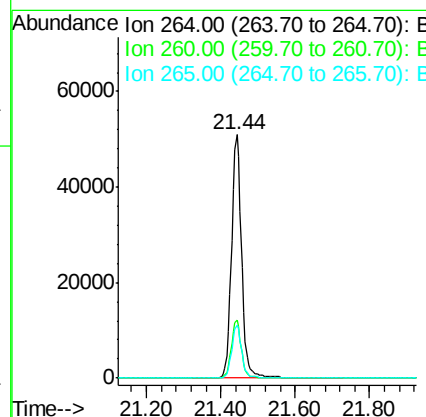
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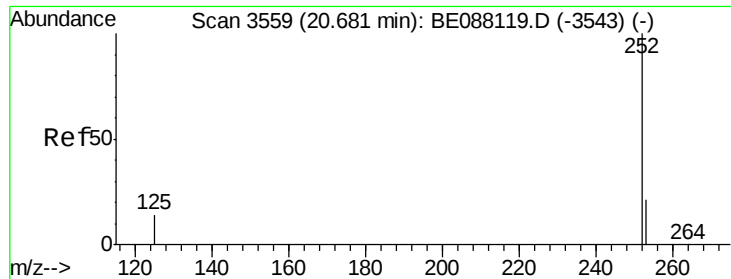
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BE088123.D
Acq: 21 Oct 2014 00:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.5	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 1.01 ng

RT: 20.68 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BE088123.D

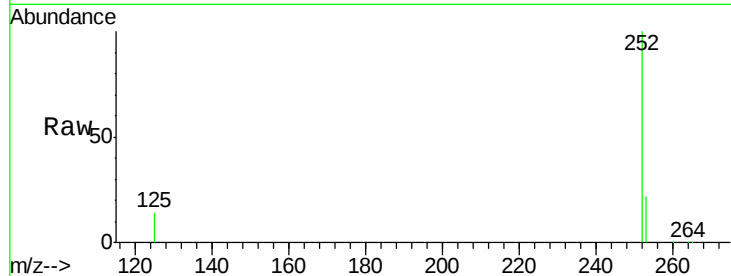
Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

ClientSampleId :

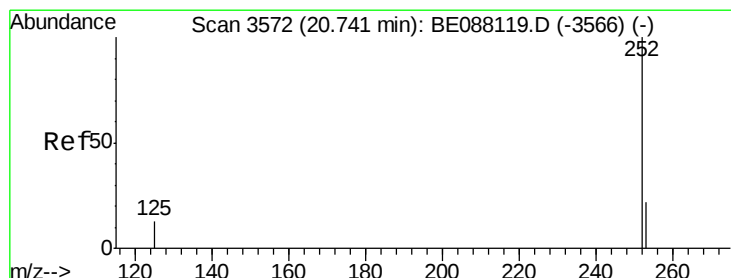
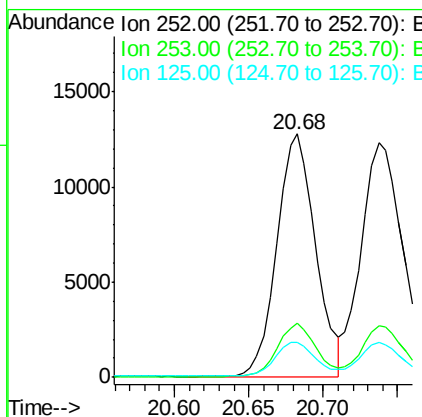
ICVBE102014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	14.4	11.8	17.8

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#24

Benzo(k)fluoranthene

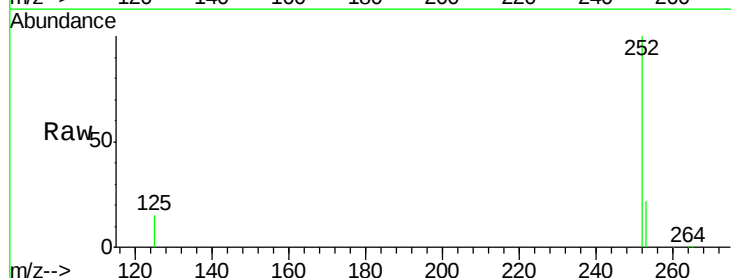
Concen: 1.06 ng

RT: 20.74 min Scan# 3572

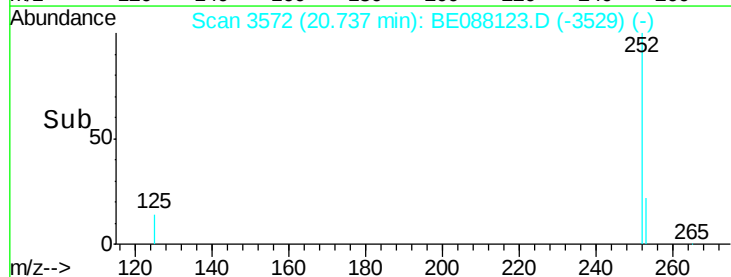
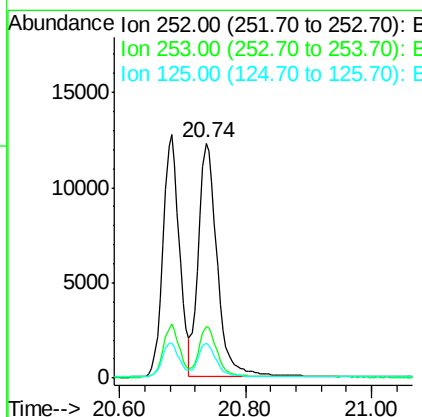
Delta R.T. -0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.7	11.5	17.3





#25

Benzo(a)pyrene

Concen: 1.04 ng

RT: 21.32 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BE088123.D

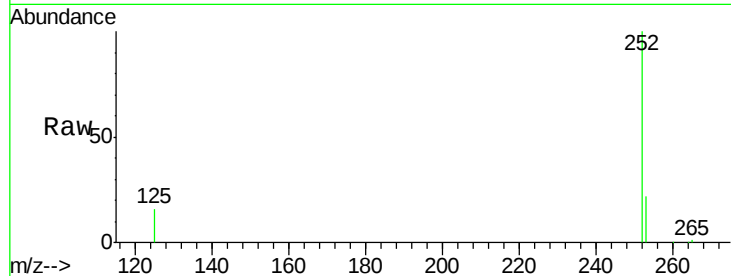
Acq: 21 Oct 2014 00:02

Instrument :

BNA_E

ClientSampleId :

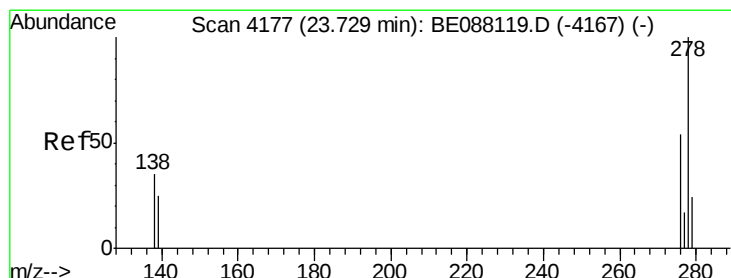
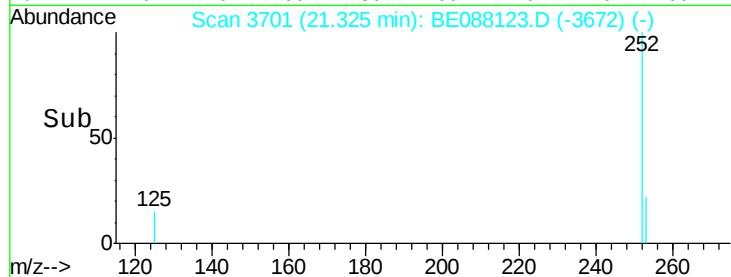
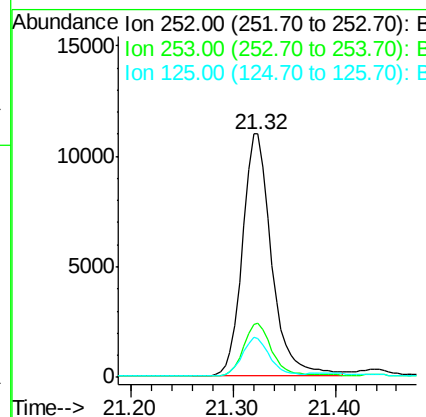
ICVBE102014



Tgt Ion:	252	Resp:	21679
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	15.7	13.0	19.6

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#26

Dibenzo(a,h)anthracene

Concen: 1.03 ng

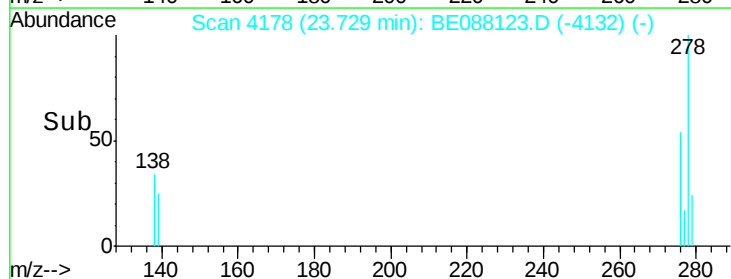
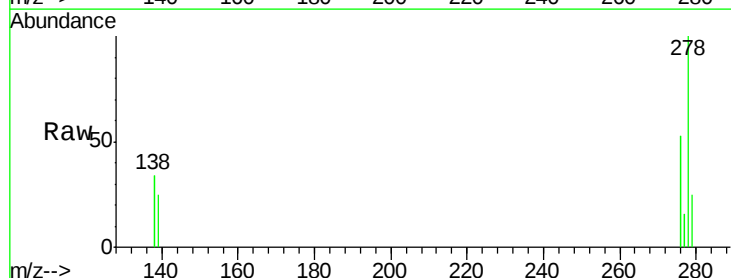
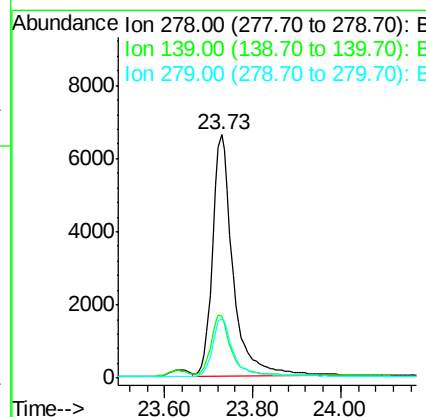
RT: 23.73 min Scan# 4178

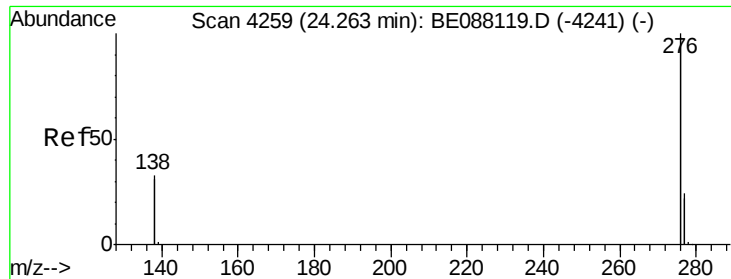
Delta R.T. 0.00 min

Lab File: BE088123.D

Acq: 21 Oct 2014 00:02

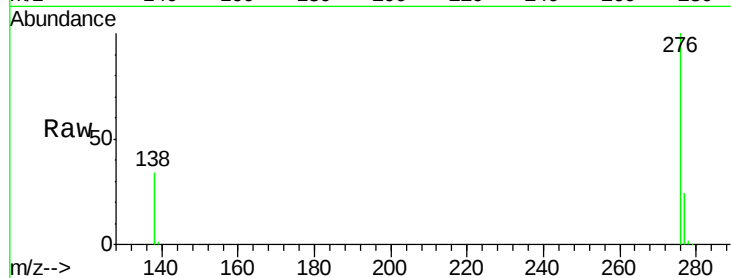
Tgt Ion:	278	Resp:	21121
Ion Ratio	Lower	Upper	
278	100		
139	25.5	20.9	31.3
279	24.5	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 1.03 ng
 RT: 24.26 min Scan# 4259
 Delta R.T. -0.01 min
 Lab File: BE088123.D
 Acq: 21 Oct 2014 00:02

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102014



Tgt Ion:	276	Resp:	93253
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.2	28.8
138	33.5	26.6	40.0

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