

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088424.D
 Acq On : 31 Oct 2014 15:52
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:05:38 AM

Quant Time: Oct 31 23:37:46 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	39470	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	152039	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	71375	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	139555	5.00	ng	0.00
16) Chrysene-d12	18.31	240	65396	5.00	ng	0.00
22) Perylene-d12	21.37	264	55964	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	5659	0.51	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	10560	0.52	ng	0.00
18) Terphenyl-d14	16.08	244	6151	0.51	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.38	88	2603	0.50	ng	100
5) Naphthalene	8.67	128	16375	0.51	ng	98
6) 2-Methylnaphthalene	9.53	142	10181	0.52	ng	98
9) Acenaphthylene	10.62	152	59491	0.51	ng	99
10) Acenaphthene	10.84	154	9107	0.52	ng	98
11) Fluorene	11.49	166	9842	0.53	ng	100
13) Phenanthrene	12.94	178	71240	0.50	ng	97
14) Anthracene	13.02	178	52630	0.51	ng	99
15) Fluoranthene	15.18	202	10461	0.51	ng	100
17) Pyrene	15.64	202	11062	0.52	ng	100
19) Benzo(a)anthracene	18.29	228	30518	0.49	ng	97
20) Chrysene	18.37	228	30801	0.51	ng	97
21) Indeno(1,2,3-cd)pyrene	23.55	276	26798m	0.47	ng	
23) Benzo(b)fluoranthene	20.61	252	6107	0.50	ng	99
24) Benzo(k)fluoranthene	20.67	252	6795	0.50	ng	98
25) Benzo(a)pyrene	21.26	252	5848	0.50	ng	99
26) Dibenzo(a,h)anthracene	23.64	278	5405	0.50	ng	96
27) Benzo(g,h,i)perylene	24.17	276	25107	0.50	ng	98

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

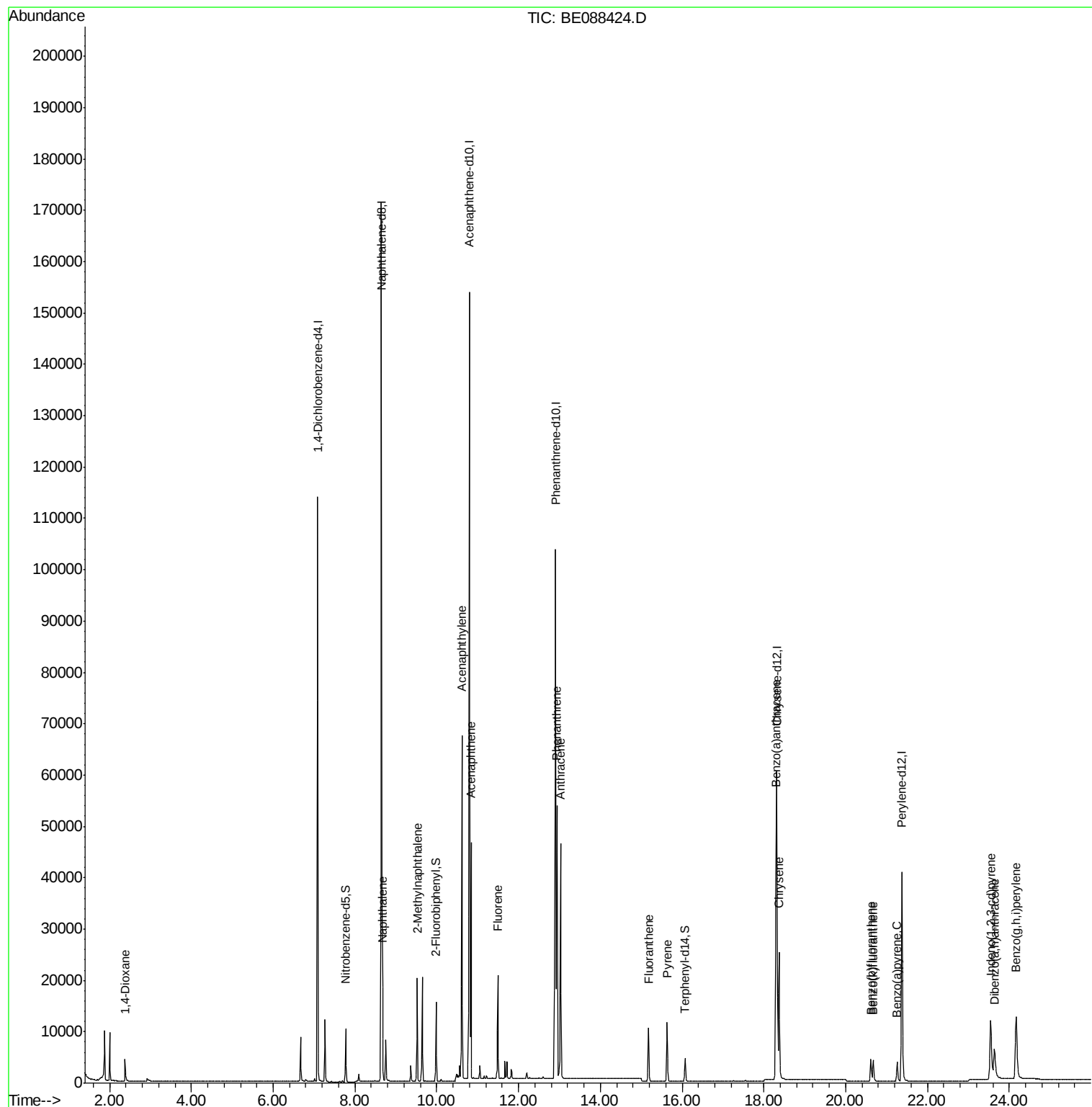
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088424.D
Acq On : 31 Oct 2014 15:52
Operator : TP/JJ
Sample : SSTDIC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

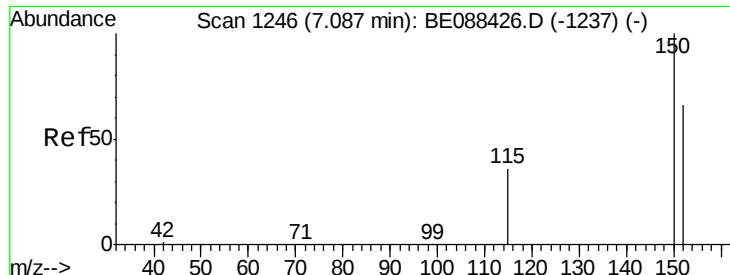
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

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Quant Time: Oct 31 23:37:46 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE088424.D

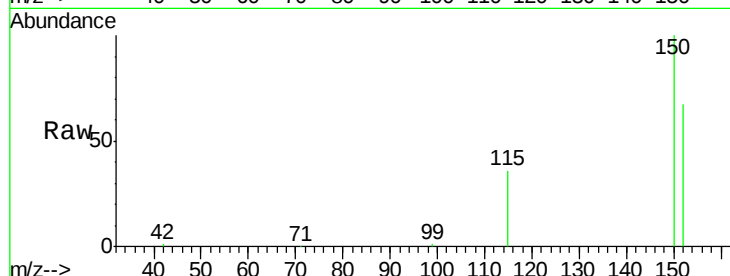
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.5



Tgt Ion: 152 Resp: 39470

Ion Ratio Lower Upper

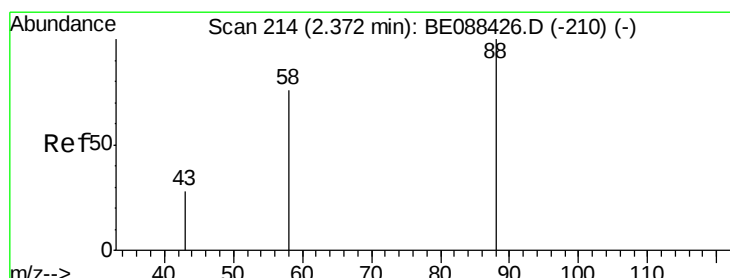
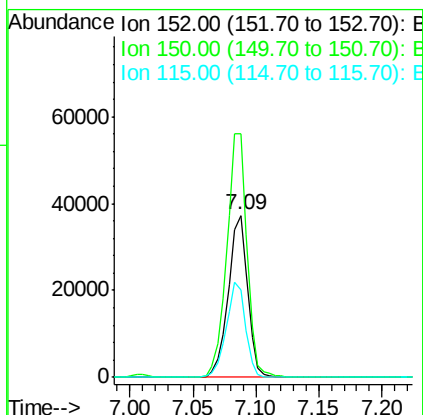
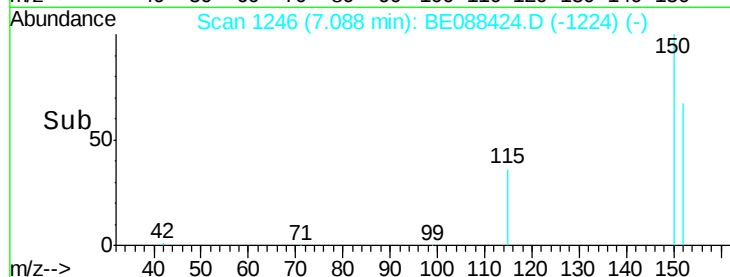
152 100

150 150.1 121.8 182.8

115 53.6 43.9 65.9

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#2

1,4-Dioxane

Concen: 0.50 ng

RT: 2.38 min Scan# 216

Delta R.T. 0.01 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

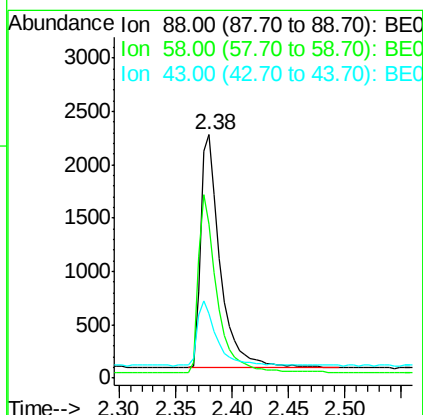
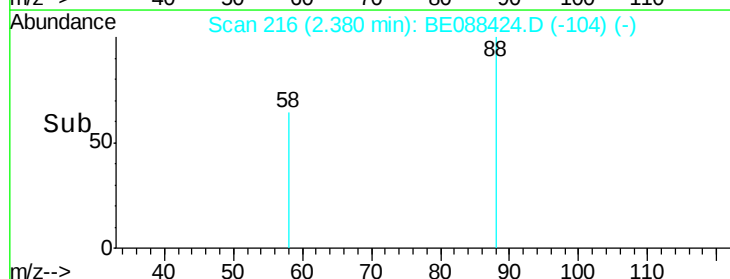
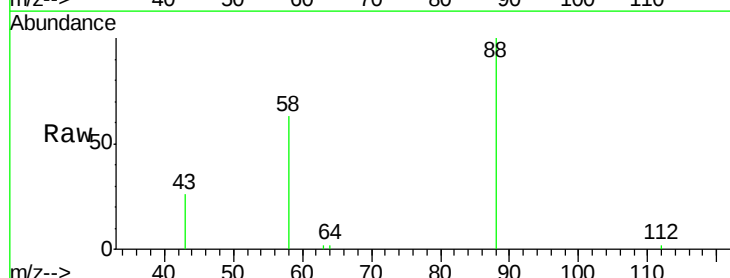
Tgt Ion: 88 Resp: 2603

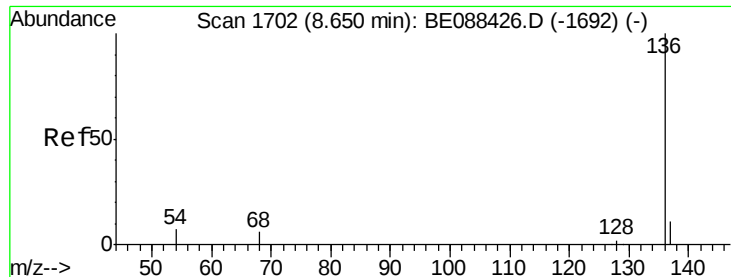
Ion Ratio Lower Upper

88 100

58 74.3 59.1 88.7

43 27.7 21.9 32.9





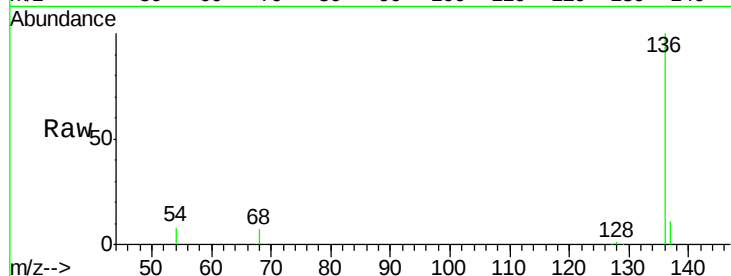
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1701
Delta R.T. -0.00 min
Lab File: BE088424.D
Acq: 31 Oct 2014 15:52

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

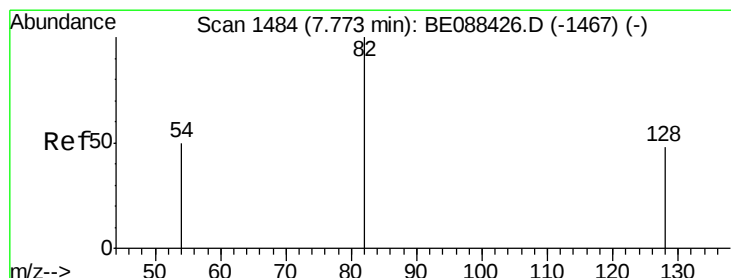
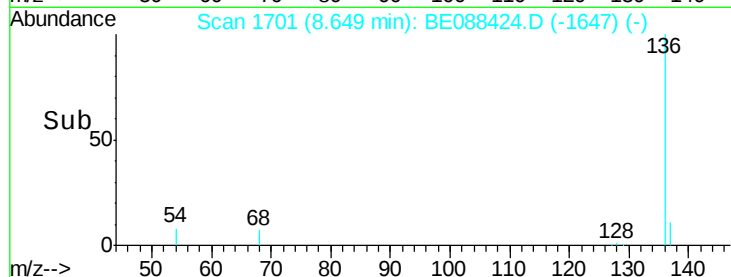
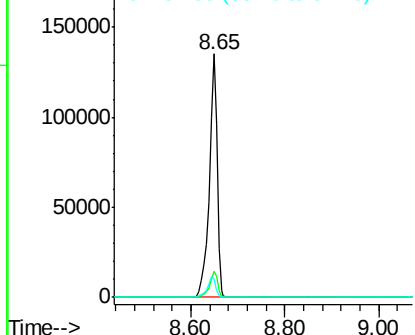
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	152039		
137	10.9	8.8	13.2	
54	7.6	5.3	7.9	

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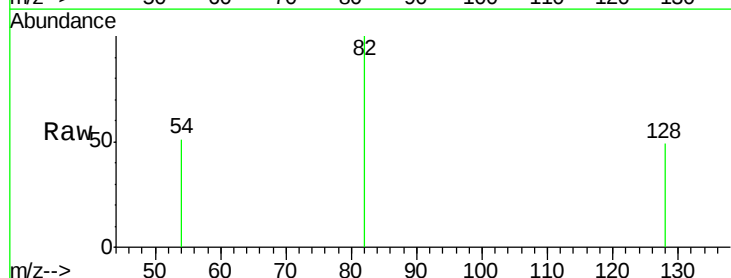


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

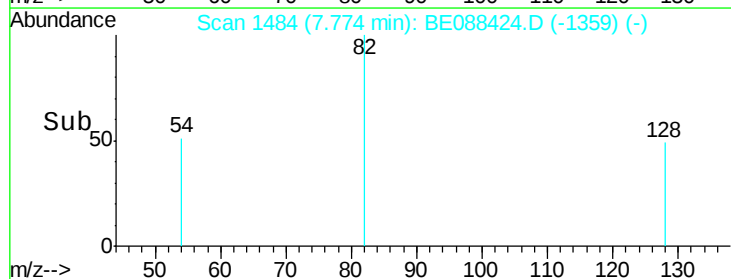
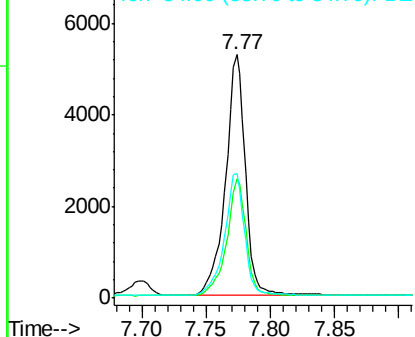


#4
Nitrobenzene-d5
Concen: 0.51 ng
RT: 7.77 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE088424.D
Acq: 31 Oct 2014 15:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	5659		
128	49.1	38.4	57.6	
54	51.4	40.2	60.2	



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 0.51 ng

RT: 8.67 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088424.D

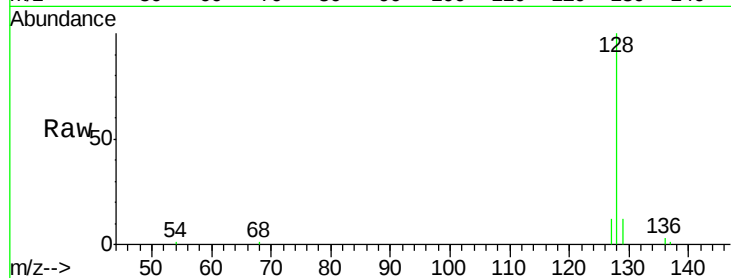
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

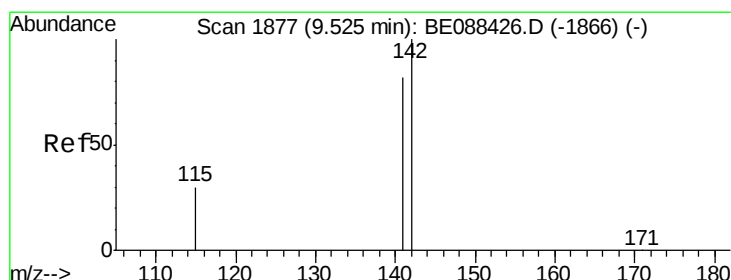
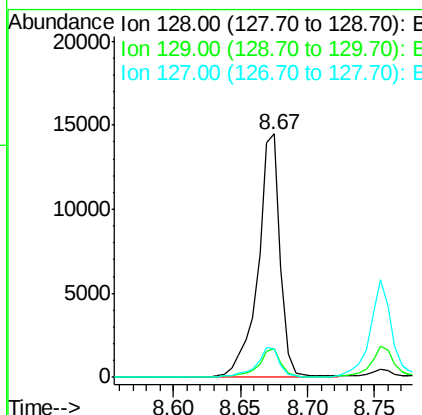
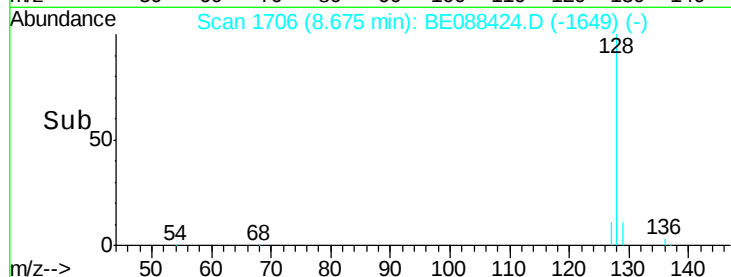
SSTDIC0.5



Tgt Ion:	128	Resp:	16375
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.6	12.8
127	11.6	10.1	15.1

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#6

2-Methylnaphthalene

Concen: 0.52 ng

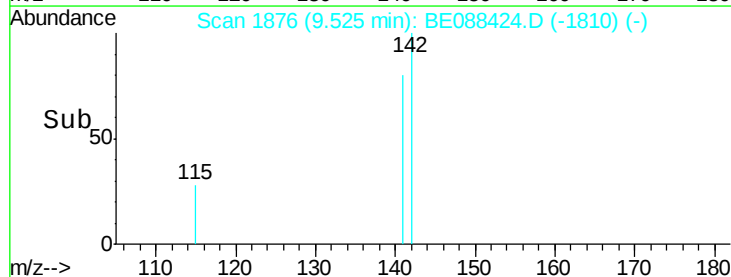
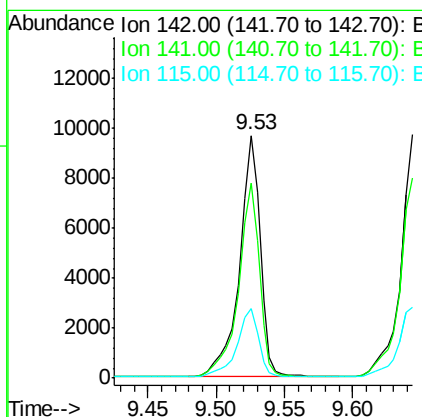
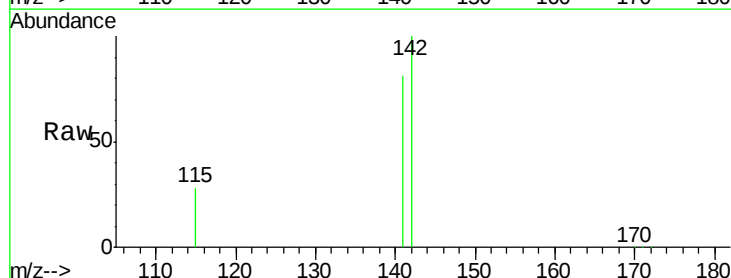
RT: 9.53 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Tgt Ion:	142	Resp:	10181
Ion Ratio	Lower	Upper	
142	100		
141	80.5	65.8	98.8
115	28.5	24.2	36.4





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088424.D

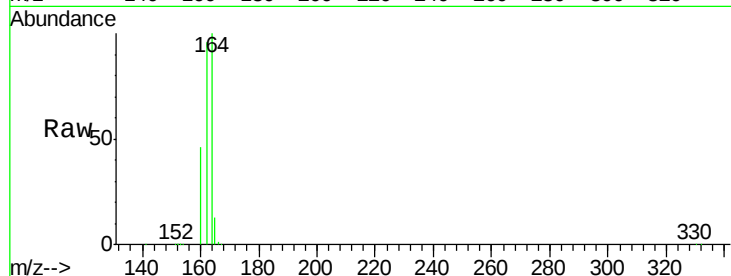
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



Tgt Ion:164 Resp: 71375

Ion Ratio Lower Upper

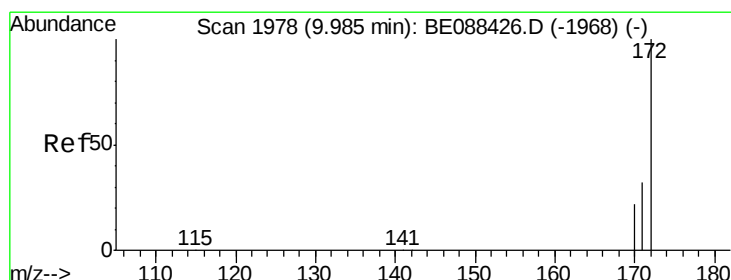
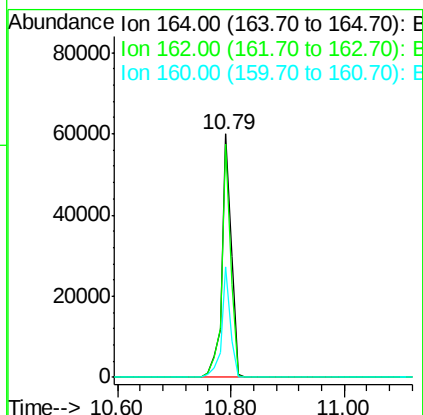
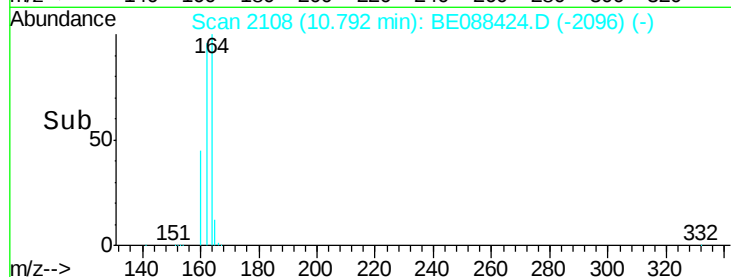
164 100

162 95.9 77.0 115.4

160 45.5 36.8 55.2

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#8

2-Fluorobiphenyl

Concen: 0.52 ng

RT: 9.99 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

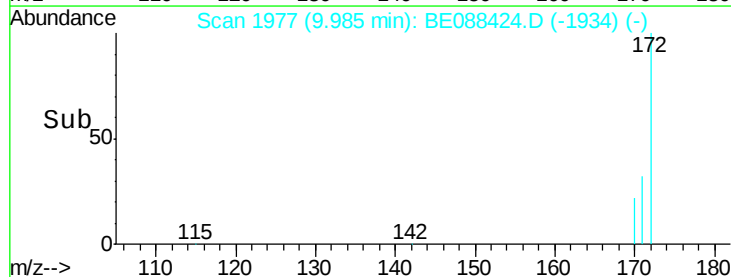
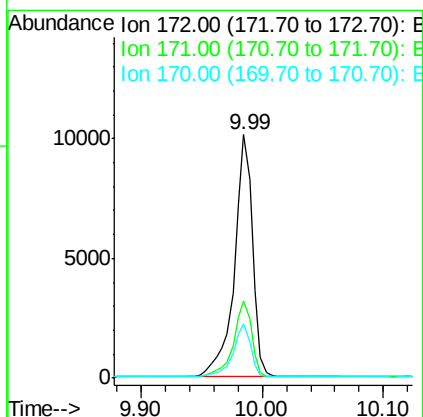
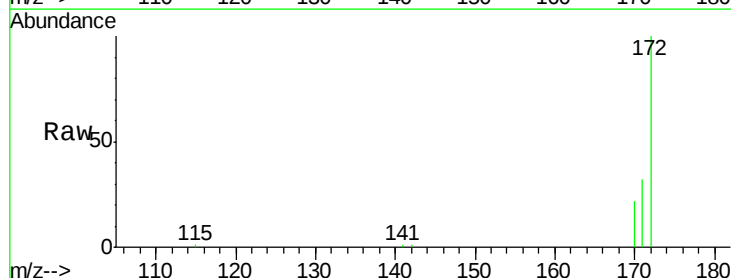
Tgt Ion:172 Resp: 10560

Ion Ratio Lower Upper

172 100

171 31.9 26.0 39.0

170 22.4 17.6 26.4





#9

Acenaphthylene

Concen: 0.51 ng

RT: 10.62 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE088424.D

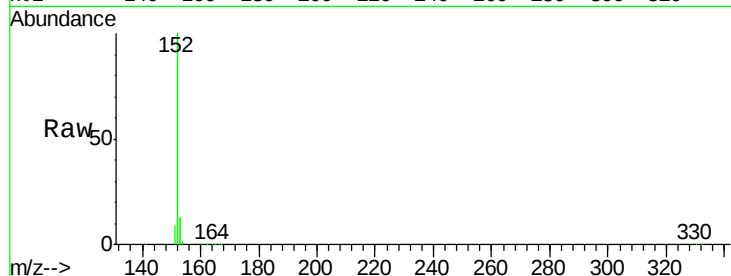
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Instrument :

BNA_E

ClientSampleId :

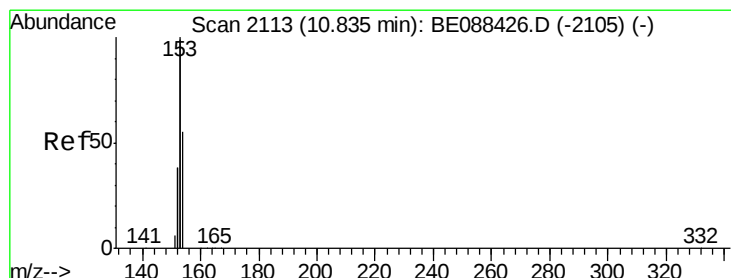
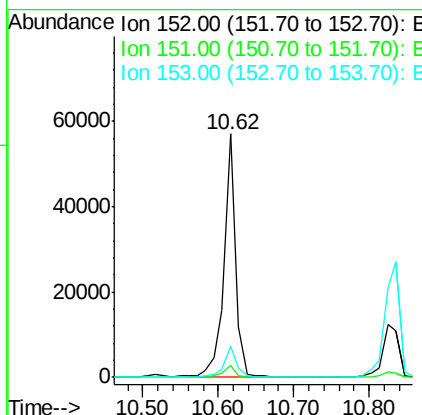
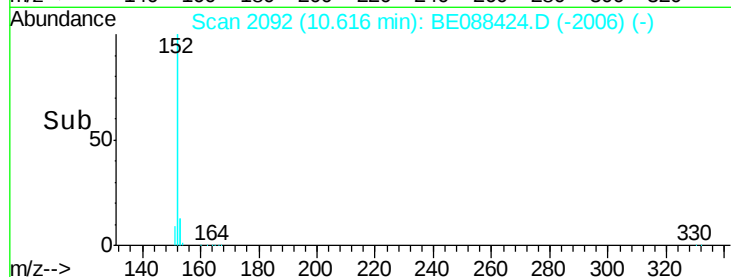
SSTDICC0.5



Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	4.4	6.6
153	12.8	10.5	15.7

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#10

Acenaphthene

Concen: 0.52 ng

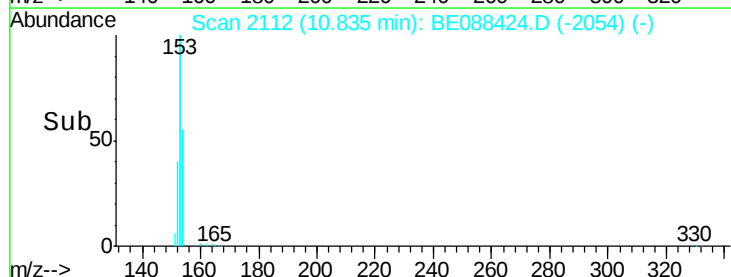
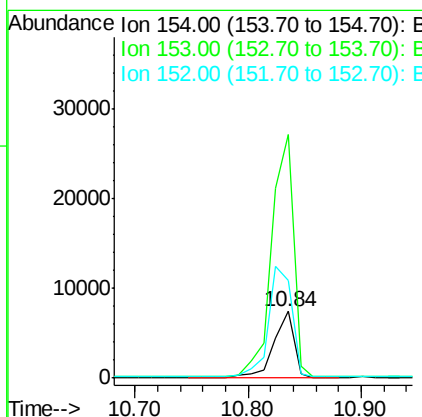
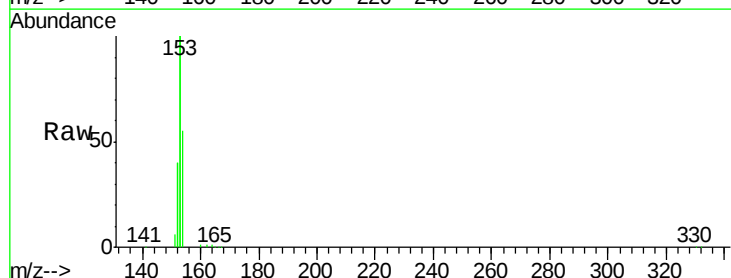
RT: 10.84 min Scan# 2112

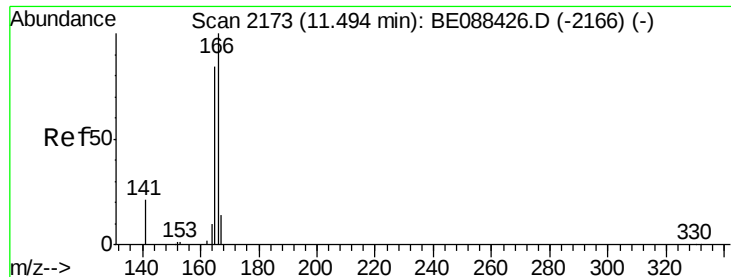
Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	400.2	324.3	486.5
152	191.5	154.9	232.3





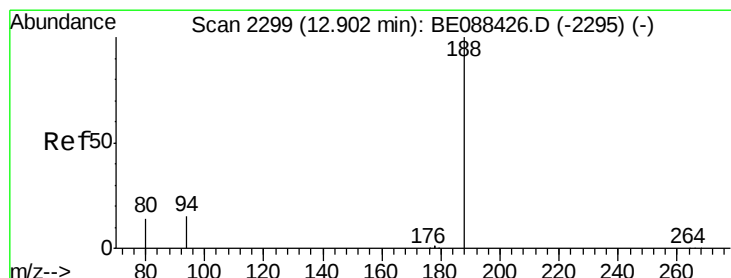
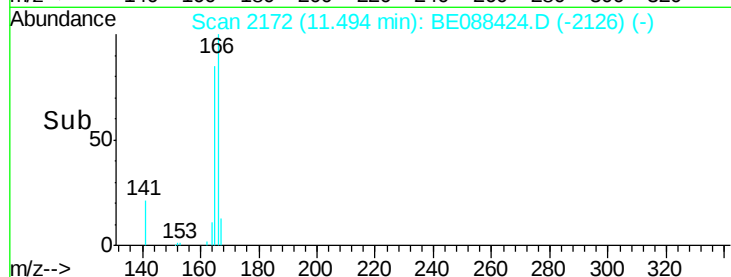
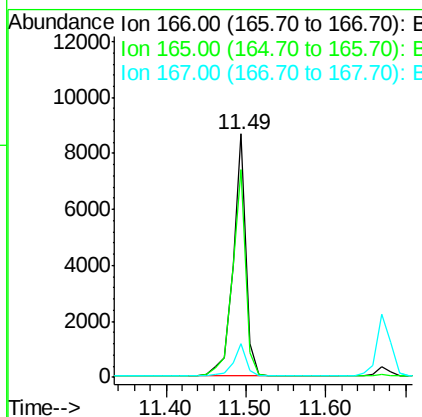
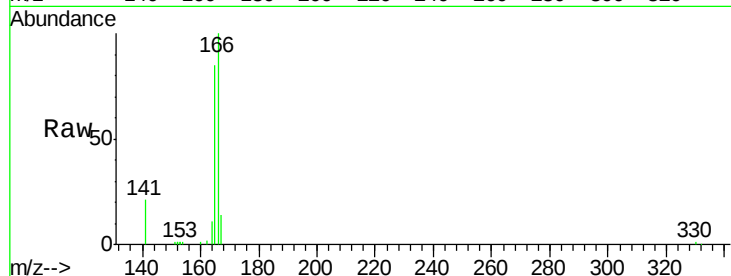
#11
Fluorene
 Concen: 0.53 ng
 RT: 11.49 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.1	71.3	106.9
167	13.5	10.7	16.1

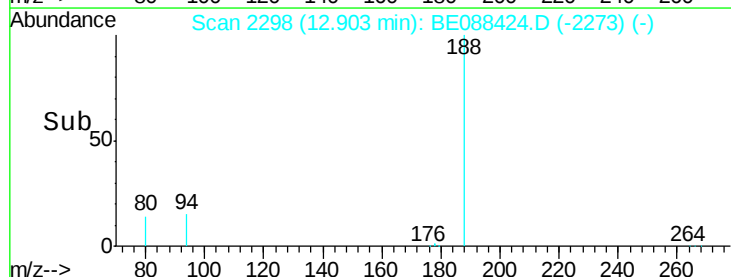
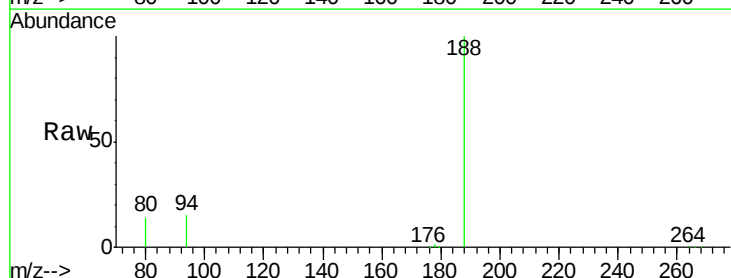
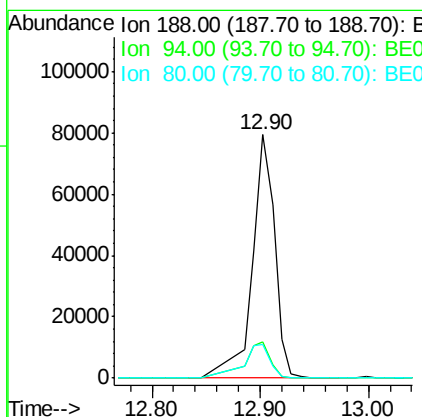
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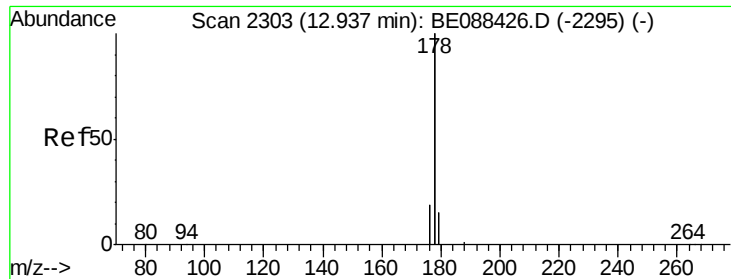
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2298
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.8	11.8	17.8
80	13.8	10.9	16.3





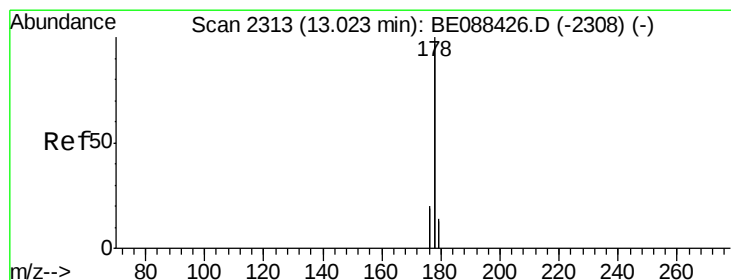
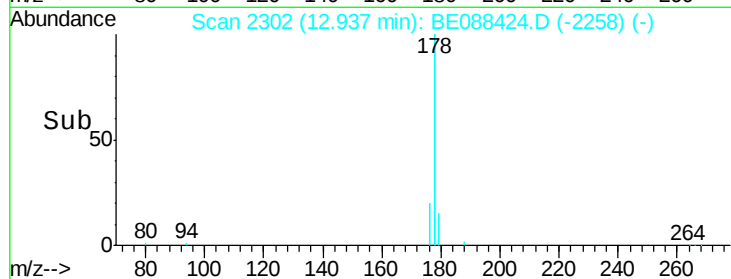
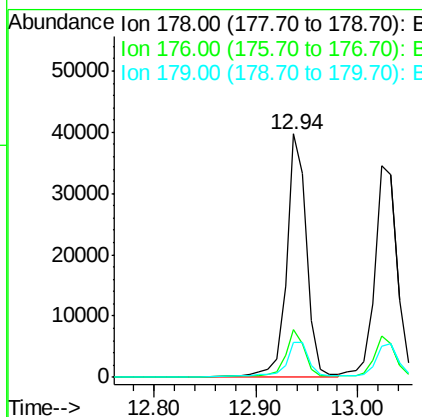
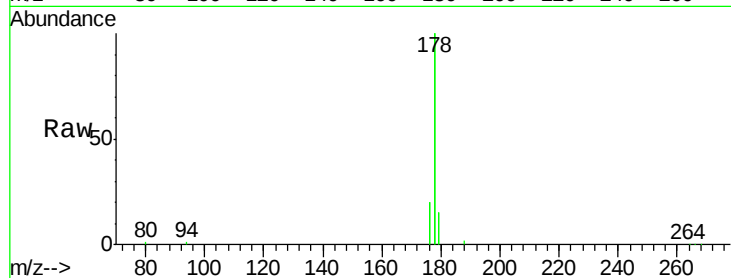
#13
Phenanthrene
Concen: 0.50 ng
RT: 12.94 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088424.D
Acq: 31 Oct 2014 15:52

Instrument :
BNA_E
ClientSampled :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	17.5	12.8	19.2

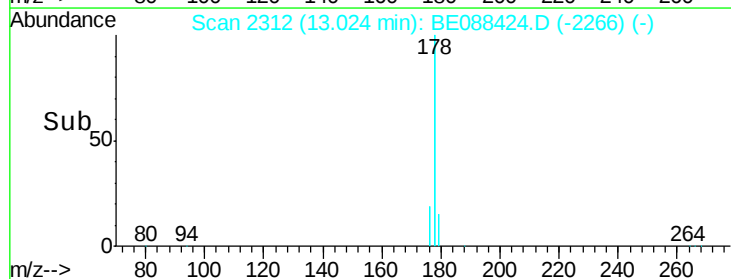
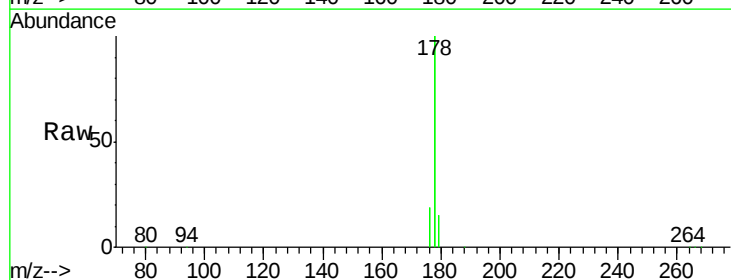
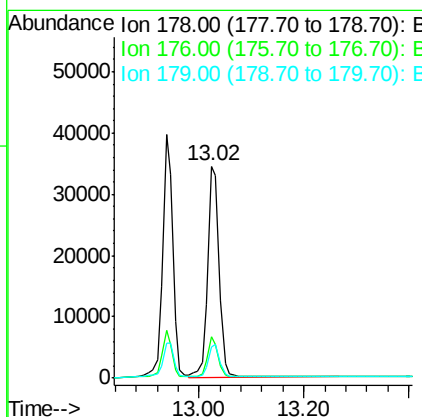
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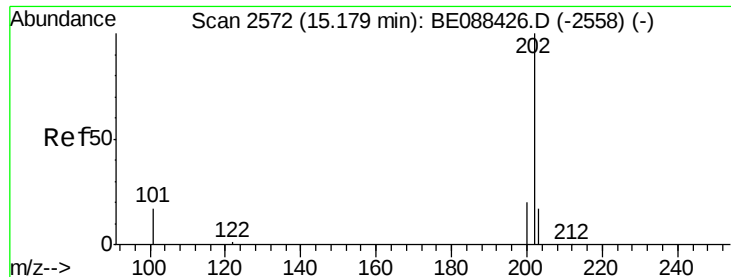
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#14
Anthracene
Concen: 0.51 ng
RT: 13.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BE088424.D
Acq: 31 Oct 2014 15:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	16.0	12.5	18.7





#15

Fluoranthene

Concen: 0.51 ng

RT: 15.18 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BE088424.D

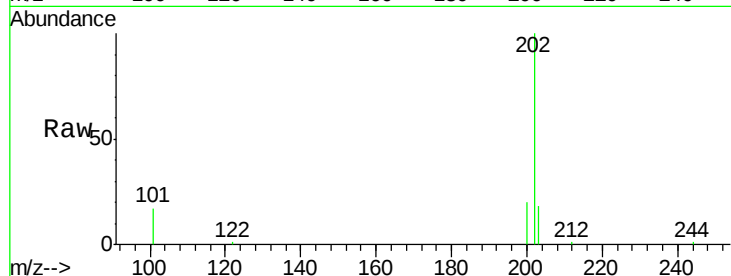
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

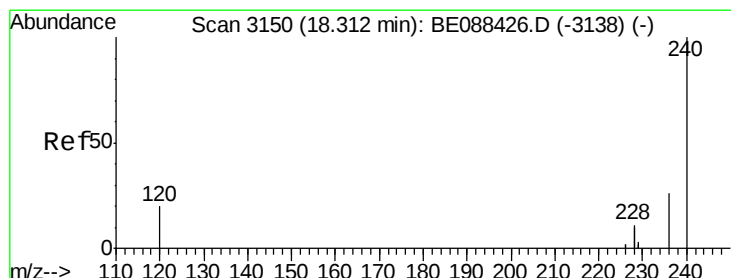
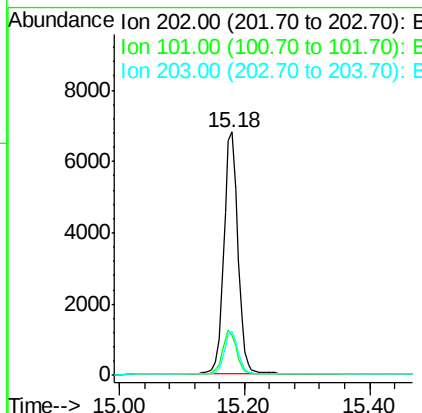
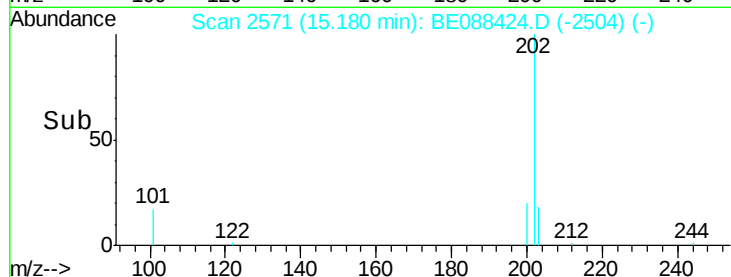
SSTDICC0.5



Tgt Ion:	202	Resp:	10461
Ion Ratio	Lower	Upper	
202	100		
101	17.5	14.3	21.5
203	17.0	13.6	20.4

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#16

Chrysene-d12

Concen: 5.00 ng

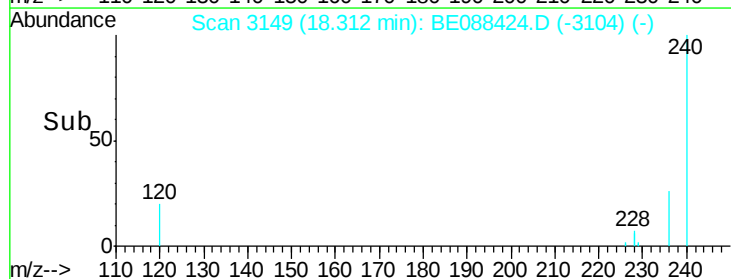
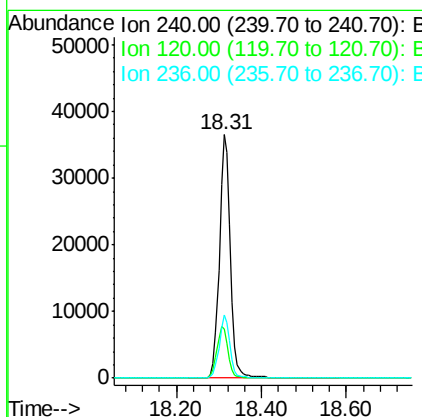
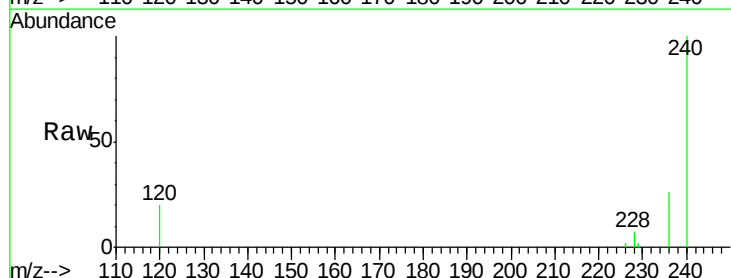
RT: 18.31 min Scan# 3149

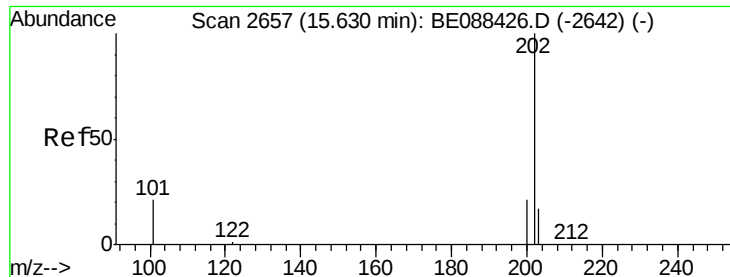
Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Tgt Ion:	240	Resp:	65396
Ion Ratio	Lower	Upper	
240	100		
120	20.3	16.4	24.6
236	25.9	20.5	30.7





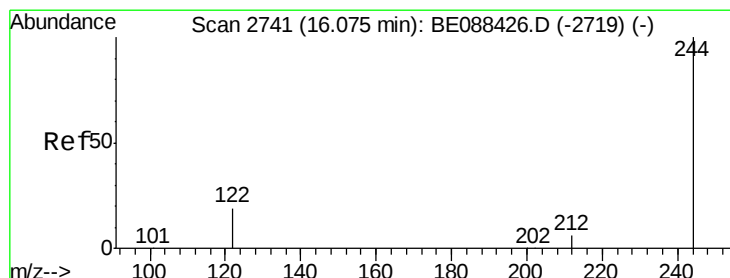
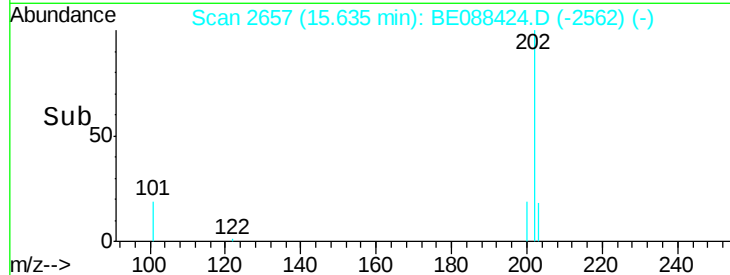
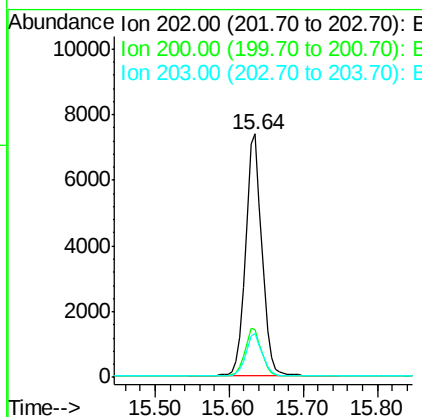
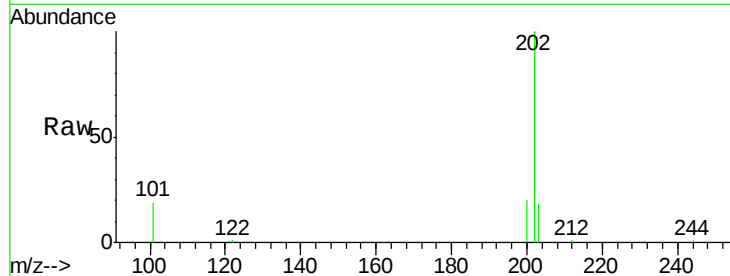
#17
 Pyrene
 Concen: 0.52 ng
 RT: 15.64 min Scan# 2657
 Delta R.T. 0.01 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	16.1	24.1
203	17.4	13.8	20.8

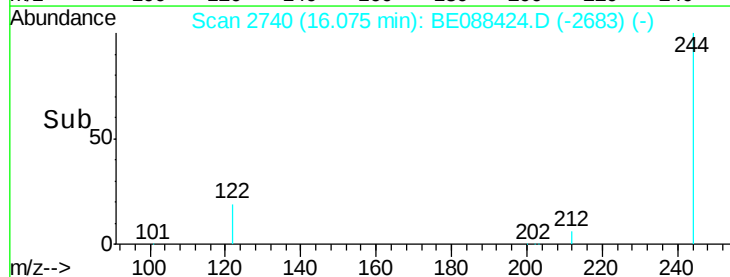
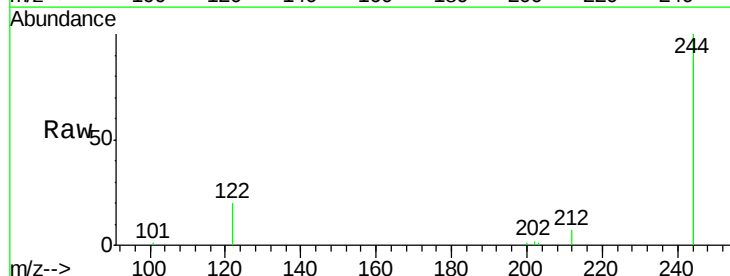
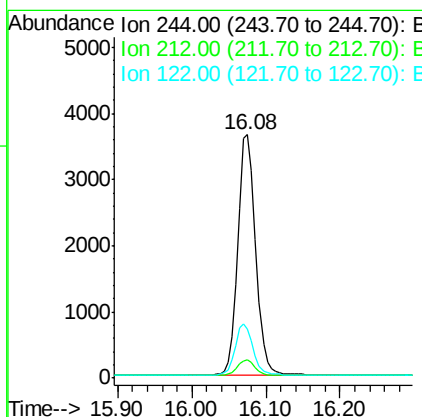
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#18
 Terphenyl-d14
 Concen: 0.51 ng
 RT: 16.08 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.5	8.3
122	20.4	15.6	23.4





#19

Benzo(a)anthracene

Concen: 0.49 ng

RT: 18.29 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BE088424.D

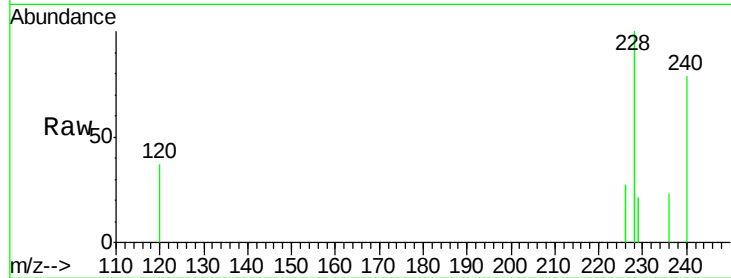
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

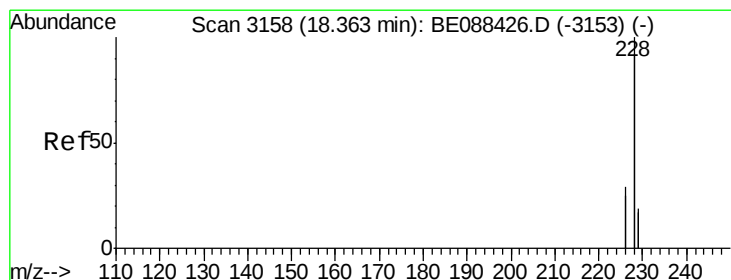
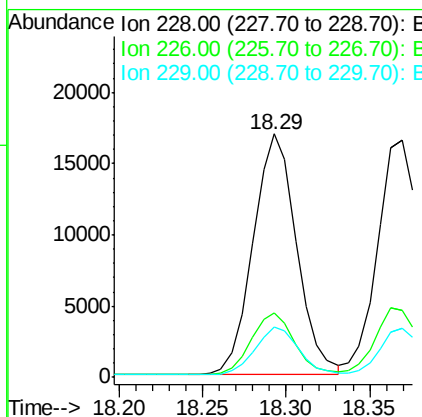
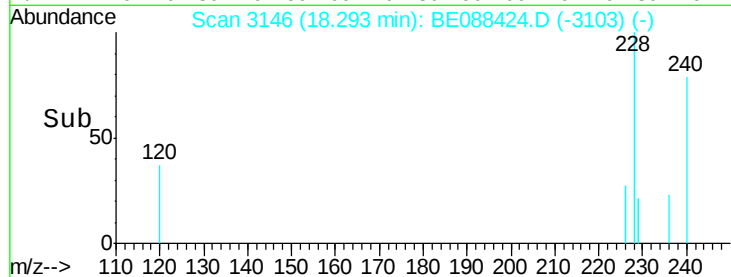
SSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	19.8	29.6
229	20.9	16.0	24.0

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#20

Chrysene

Concen: 0.51 ng

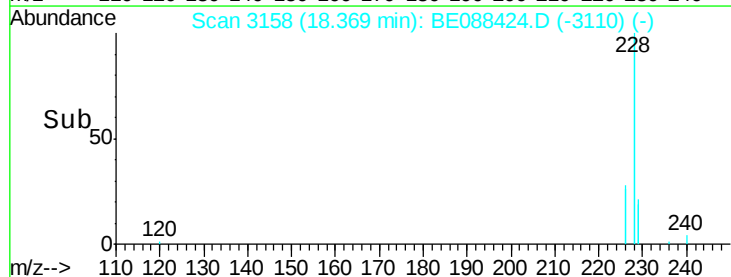
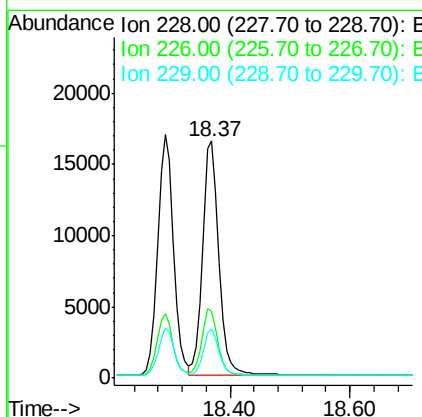
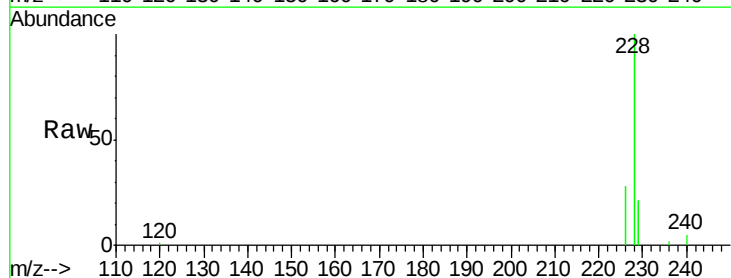
RT: 18.37 min Scan# 3158

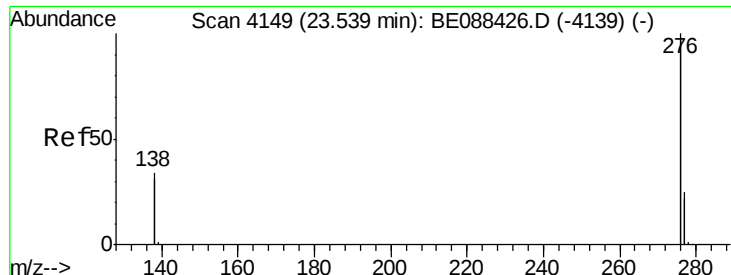
Delta R.T. 0.01 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.6	35.4
229	20.9	15.4	23.2





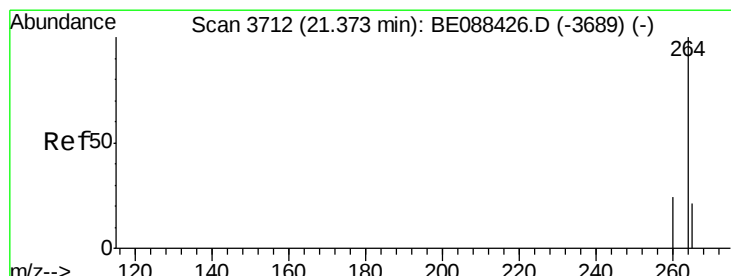
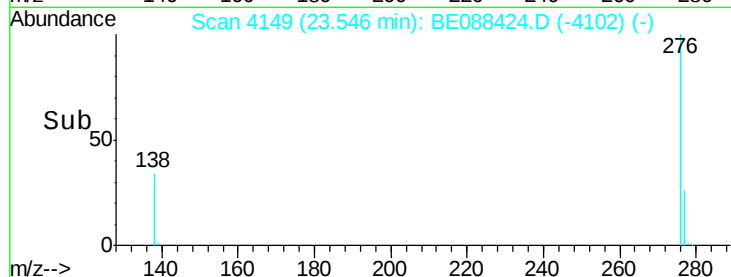
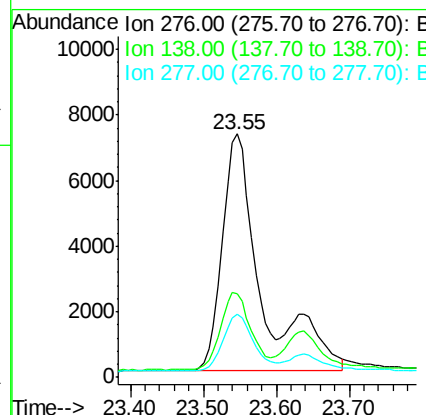
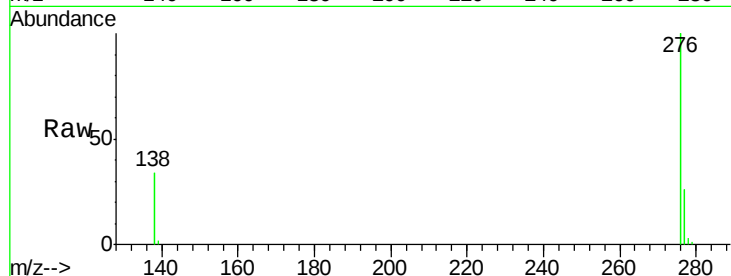
#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.47 ng m
 RT: 23.55 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.2	30.2
277	18.8	14.8	22.2

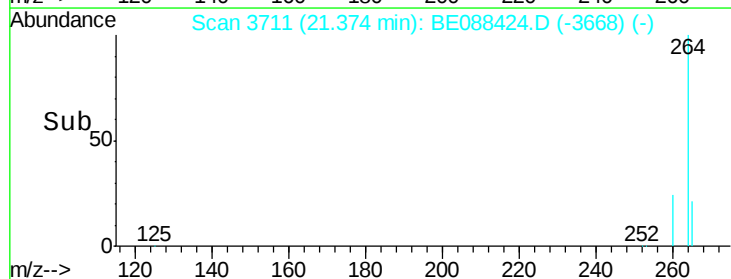
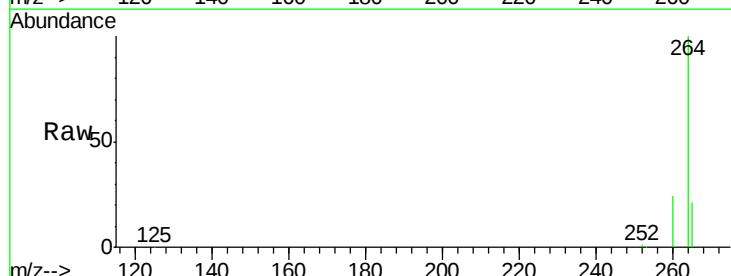
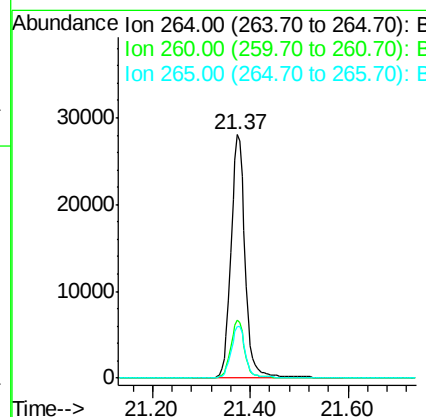
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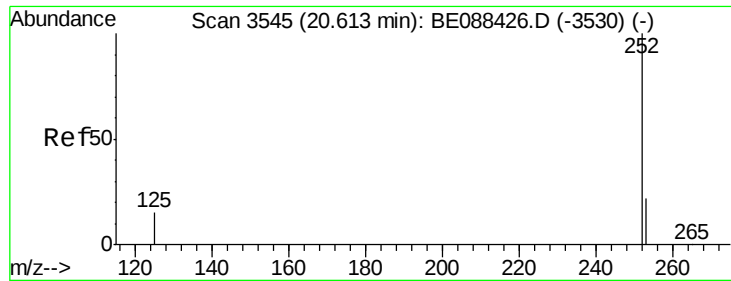
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#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3711
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.4	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.50 ng

RT: 20.61 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BE088424.D

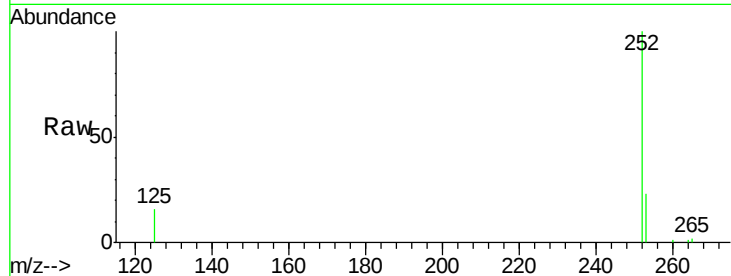
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

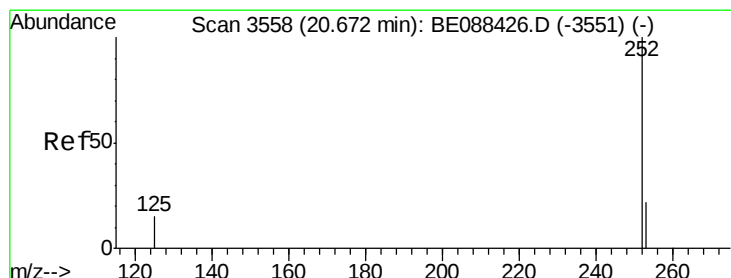
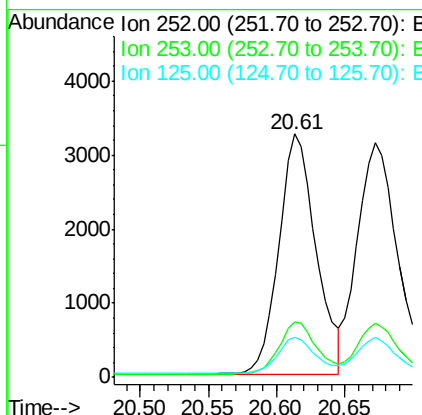
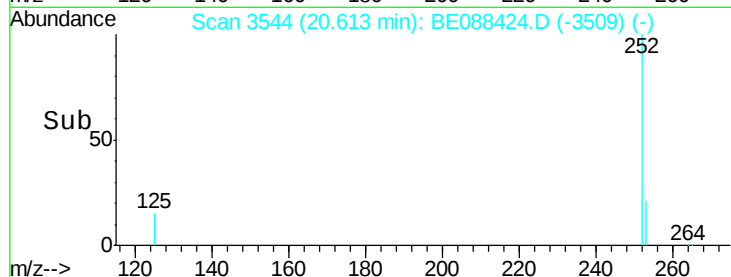
SSTDIC0.5



Tgt Ion:	252	Resp:	6107
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	16.4	12.3	18.5

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#24

Benzo(k)fluoranthene

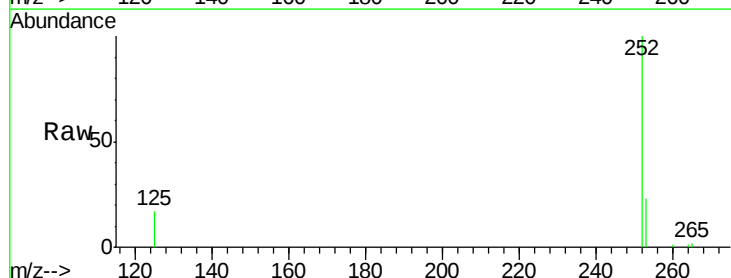
Concen: 0.50 ng

RT: 20.67 min Scan# 3557

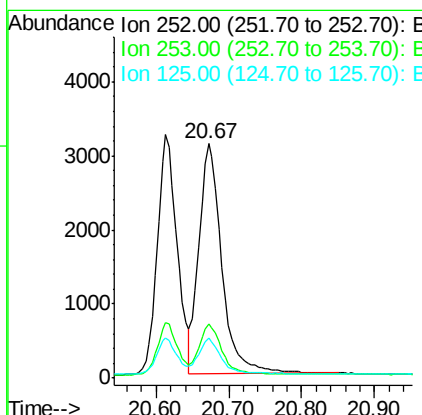
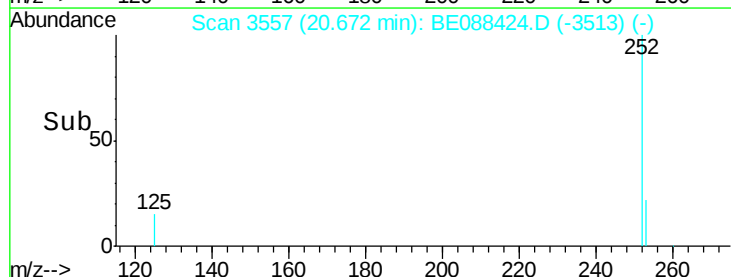
Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52



Tgt Ion:	252	Resp:	6795
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.8
125	16.9	12.2	18.4





#25

Benzo(a)pyrene

Concen: 0.50 ng

RT: 21.26 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BE088424.D

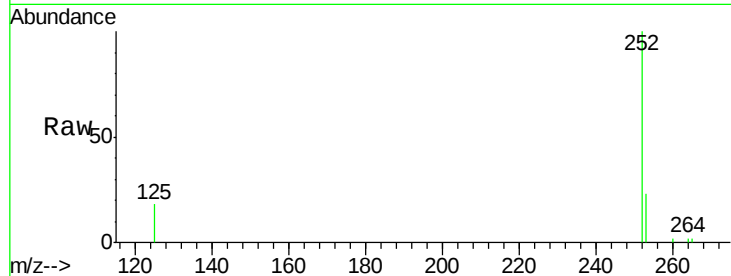
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

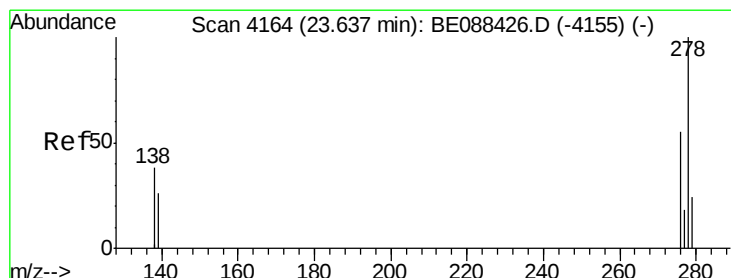
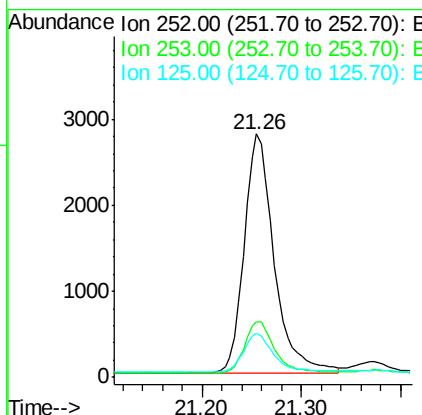
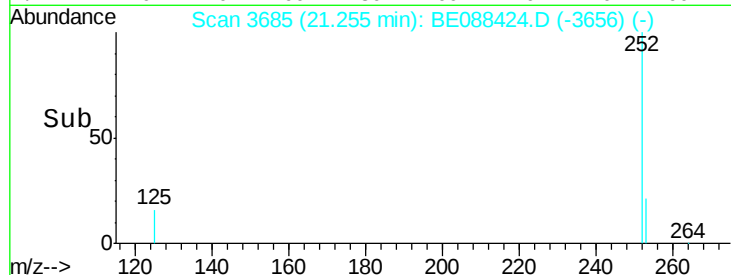
SSTDIC0.5



Tgt Ion:	252	Resp:	5848
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.2	27.4
125	18.2	13.7	20.5

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#26

Dibenzo(a,h)anthracene

Concen: 0.50 ng

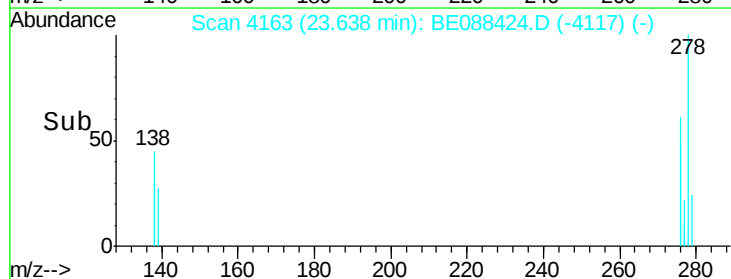
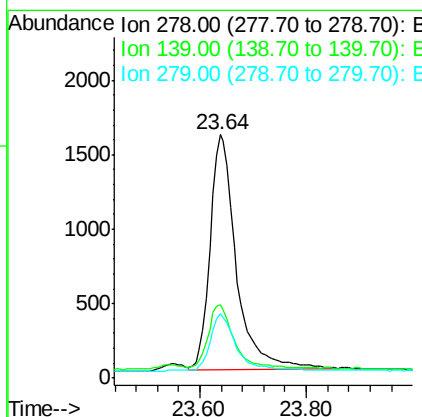
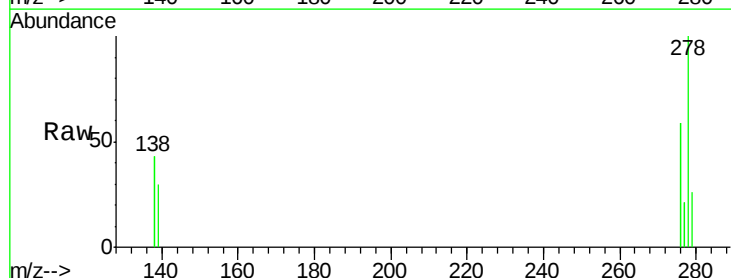
RT: 23.64 min Scan# 4163

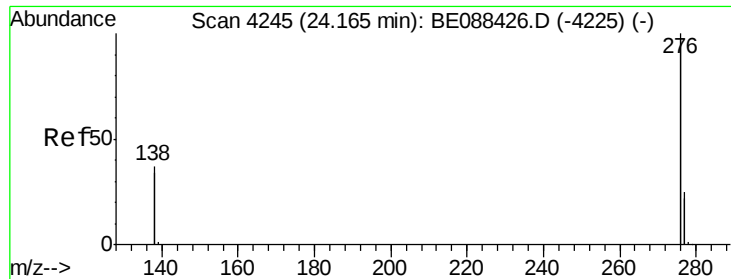
Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Tgt Ion:	278	Resp:	5405
Ion Ratio	Lower	Upper	
278	100		
139	30.3	22.1	33.1
279	26.4	19.7	29.5





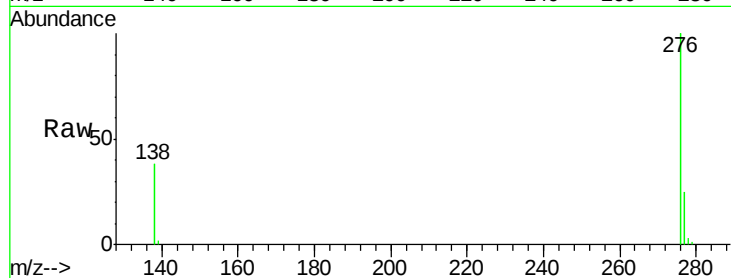
#27
 Benzo(g,h,i)perylene
 Concen: 0.50 ng
 RT: 24.17 min Scan# 4244
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.8	29.6
138	37.8	29.3	43.9

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

