

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088428.D
 Acq On : 31 Oct 2014 18:06
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:05:50 AM

Quant Time: Oct 31 23:41:08 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	40825	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	155364	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	71361	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	133347	5.00	ng	0.00
16) Chrysene-d12	18.31	240	63956	5.00	ng	0.00
22) Perylene-d12	21.37	264	56190	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	60802	5.36	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	101427	5.00	ng	0.00
18) Terphenyl-d14	16.07	244	61223	5.20	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	27470	5.14	ng	100
5) Naphthalene	8.67	128	159989	4.92	ng	100
6) 2-Methylnaphthalene	9.52	142	100933	5.01	ng	99
9) Acenaphthylene	10.62	152	563304	4.80	ng	99
10) Acenaphthene	10.84	154	83352	4.78	ng	97
11) Fluorene	11.49	166	90457	4.90	ng	99
13) Phenanthrene	12.95	178	626583	4.63	ng	99
14) Anthracene	13.03	178	483618	4.90	ng	99
15) Fluoranthene	15.18	202	102520	5.21	ng	100
17) Pyrene	15.63	202	107410	5.12	ng	100
19) Benzo(a)anthracene	18.29	228	309932	5.14	ng	99
20) Chrysene	18.37	228	302457	5.10	ng	97
21) Indeno(1,2,3-cd)pyrene	23.55	276	292429m	5.20	ng	
23) Benzo(b)fluoranthene	20.62	252	66064	5.39	ng	99
24) Benzo(k)fluoranthene	20.67	252	71418	5.25	ng	99
25) Benzo(a)pyrene	21.25	252	62992	5.35	ng	98
26) Dibenzo(a,h)anthracene	23.64	278	58115	5.31	ng	98
27) Benzo(g,h,i)perylene	24.17	276	258350	5.12	ng	97

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

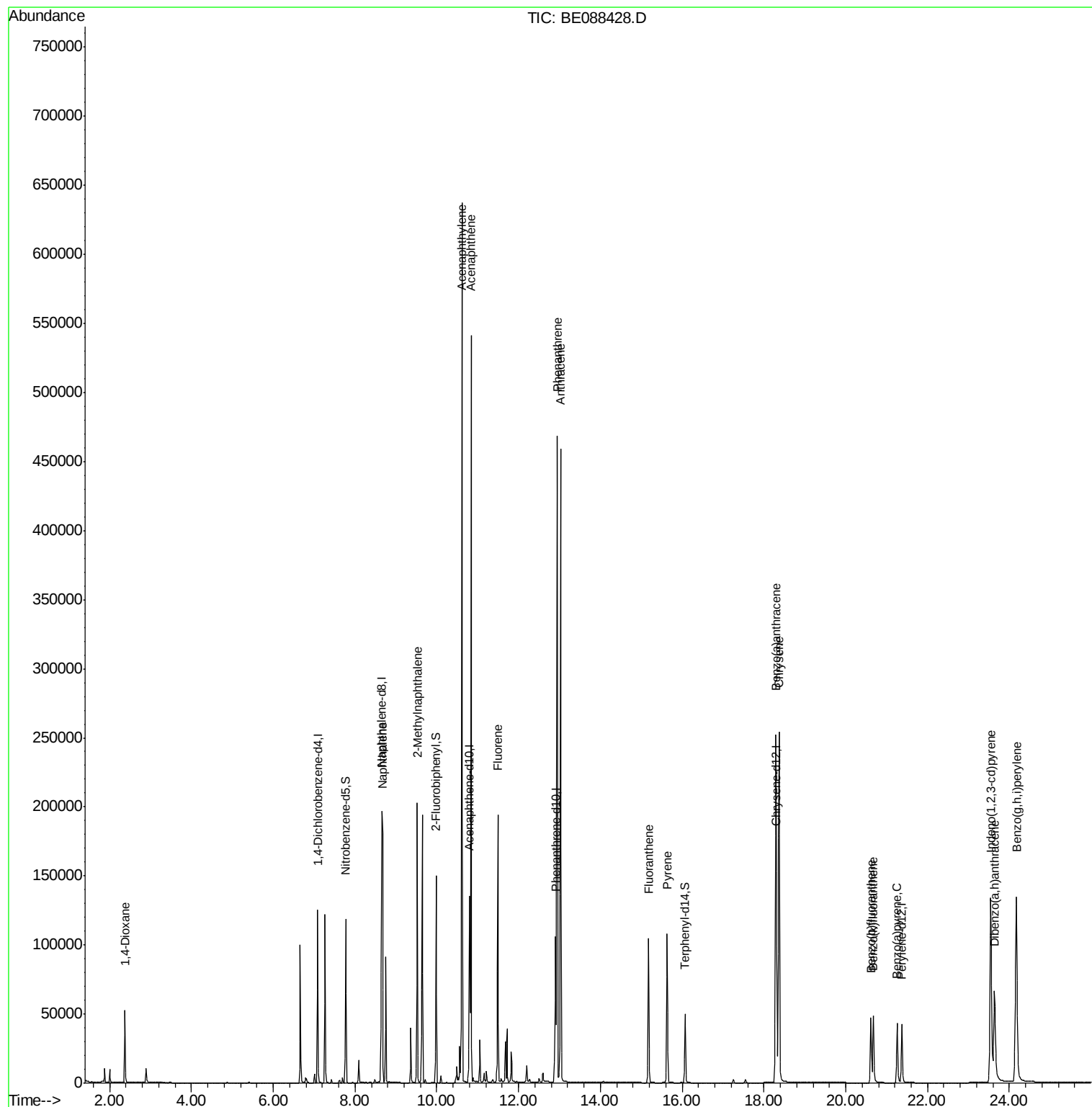
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088428.D
Acq On : 31 Oct 2014 18:06
Operator : TP/JJ
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

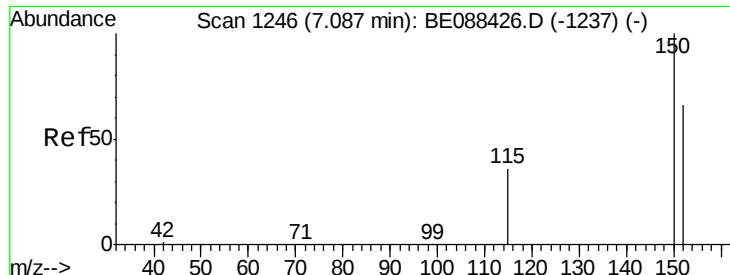
Instrument :
BNA_E
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SSTDICC005

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:20:37 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088428.D

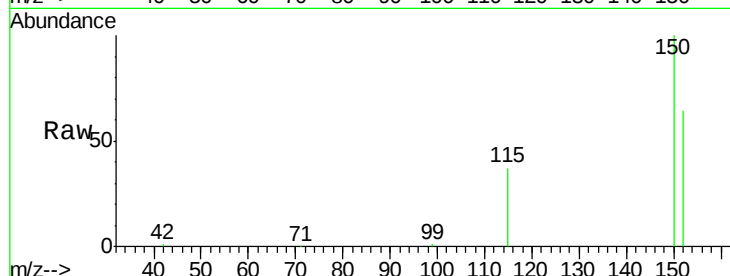
Acq: 31 Oct 2014 18:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion: 152 Resp: 40825

Ion Ratio Lower Upper

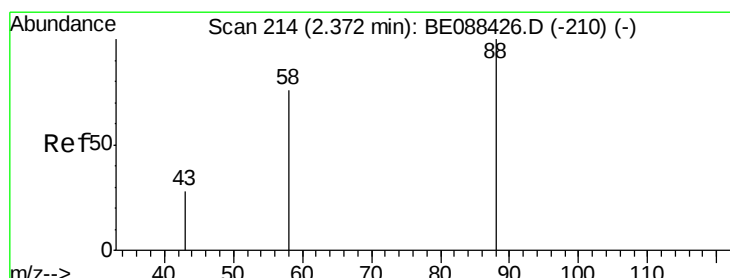
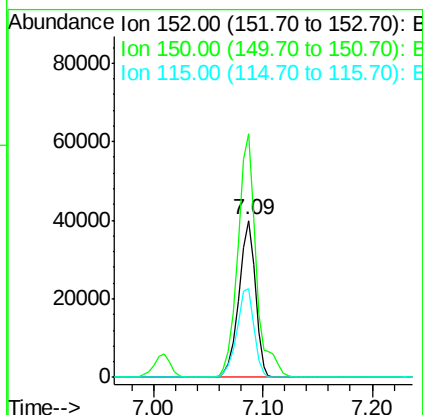
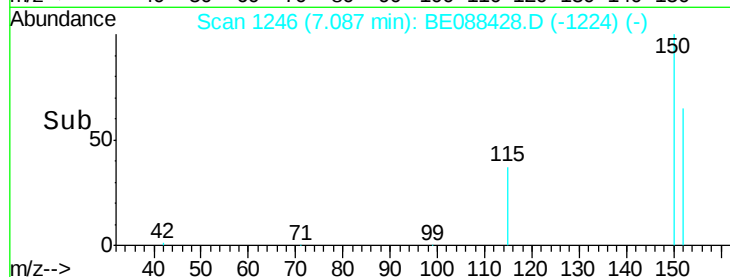
152 100

150 155.2 121.8 182.8

115 56.9 43.9 65.9

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#2

1,4-Dioxane

Concen: 5.14 ng

RT: 2.37 min Scan# 214

Delta R.T. -0.00 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

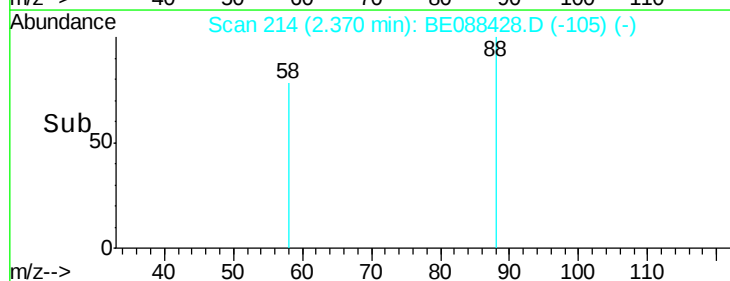
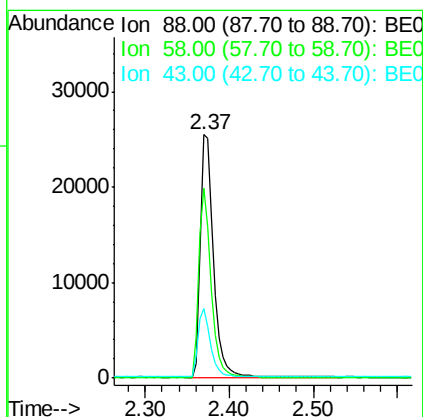
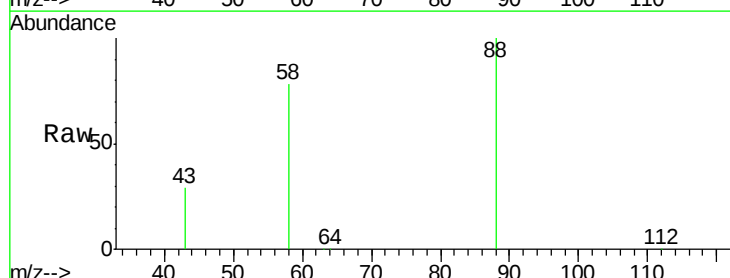
Tgt Ion: 88 Resp: 27470

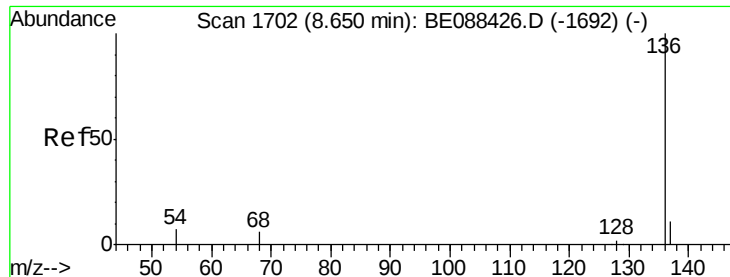
Ion Ratio Lower Upper

88 100

58 74.2 59.1 88.7

43 27.0 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: BE088428.D

Acq: 31 Oct 2014 18:06

Instrument :

BNA_E

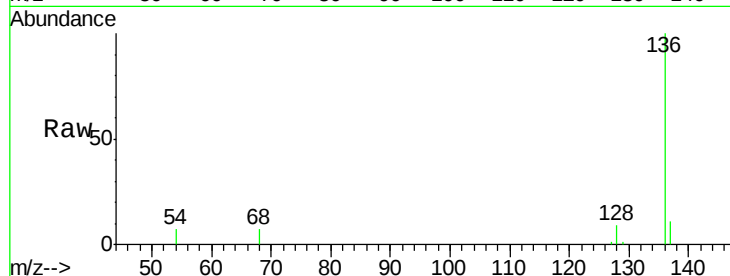
ClientSampleId :

SSTDIC005

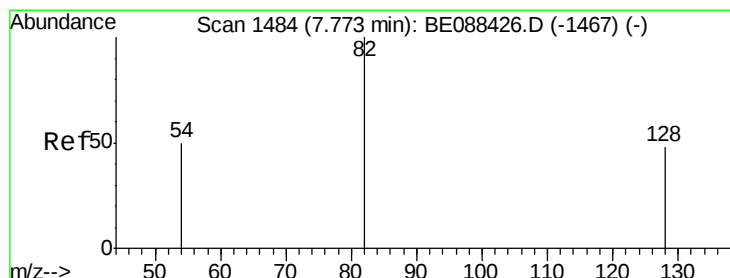
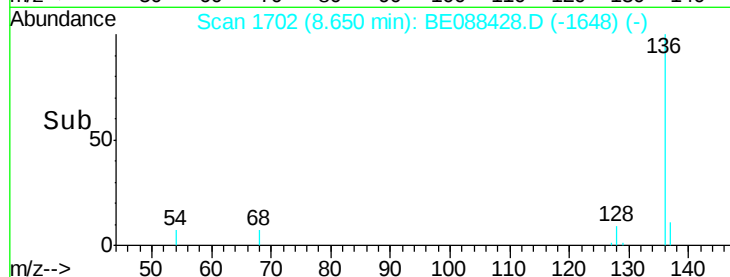
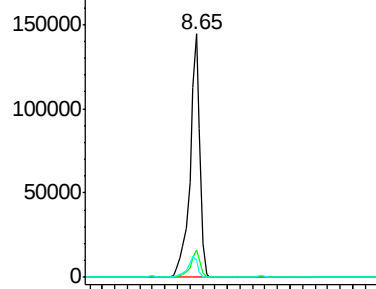
Tgt Ion:	136	Resp:	155364
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	7.0	5.3	7.9

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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: 5.36 ng

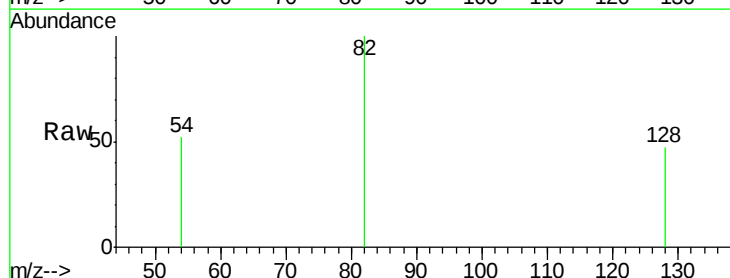
RT: 7.77 min Scan# 1484

Delta R.T. 0.00 min

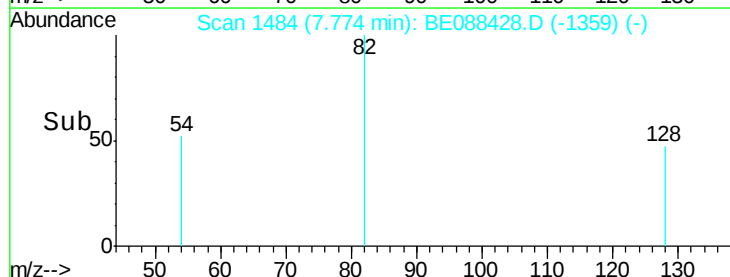
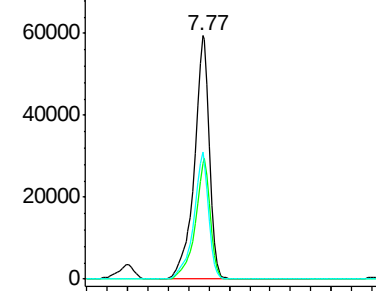
Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Tgt Ion:	82	Resp:	60802
Ion Ratio	Lower	Upper	
82	100		
128	47.5	38.4	57.6
54	52.1	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: 4.92 ng

RT: 8.67 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088428.D

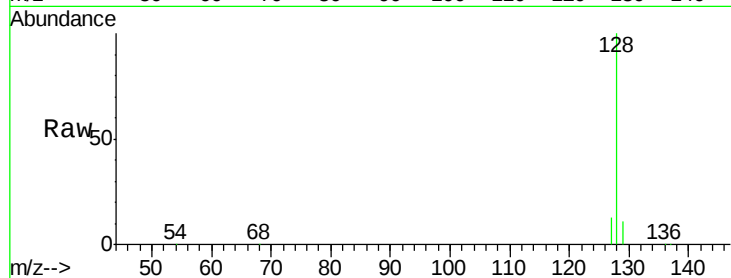
Acq: 31 Oct 2014 18:06

Instrument :

BNA_E

ClientSampleId :

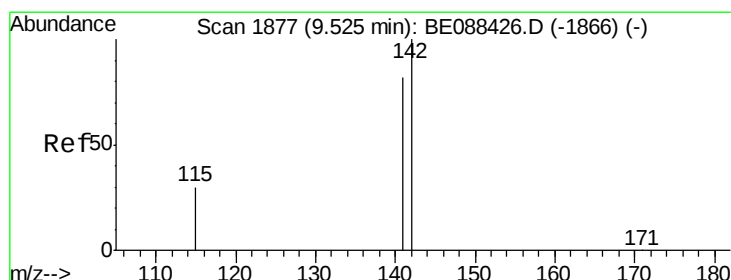
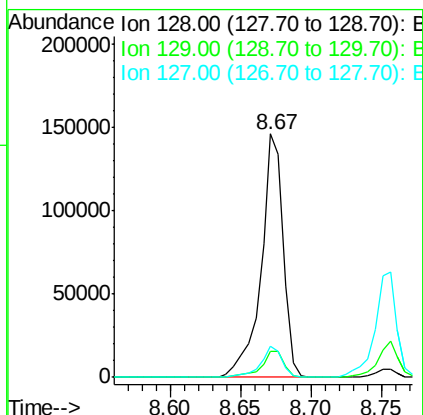
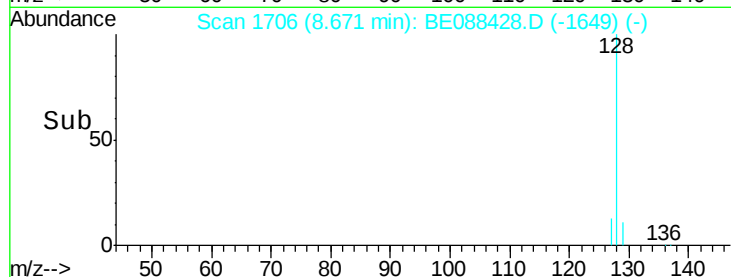
SSTDIC005



Tgt Ion:	128	Resp:	159989
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.6	12.8
127	12.6	10.1	15.1

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#6

2-Methylnaphthalene

Concen: 5.01 ng

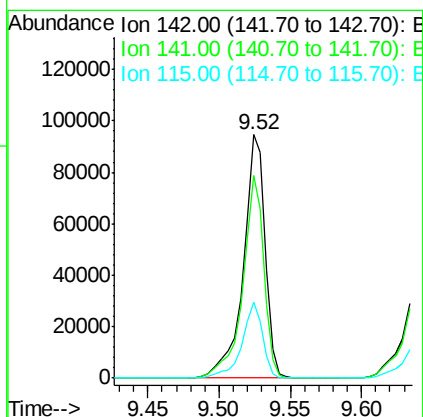
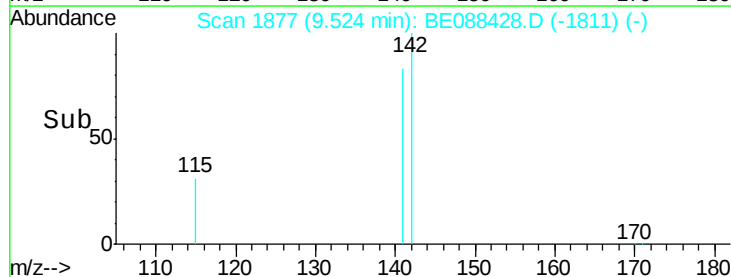
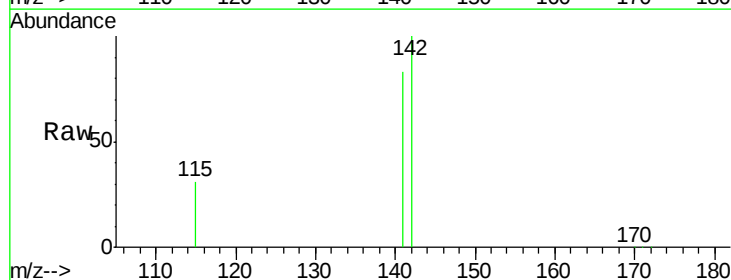
RT: 9.52 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Tgt Ion:	142	Resp:	100933
Ion Ratio	Lower	Upper	
142	100		
141	83.2	65.8	98.8
115	31.4	24.2	36.4





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BE088428.D

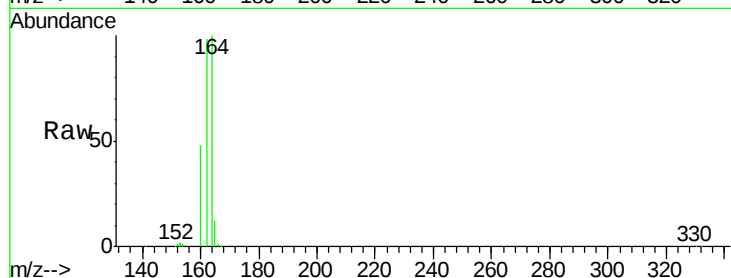
Acq: 31 Oct 2014 18:06

Instrument :

BNA_E

ClientSampleId :

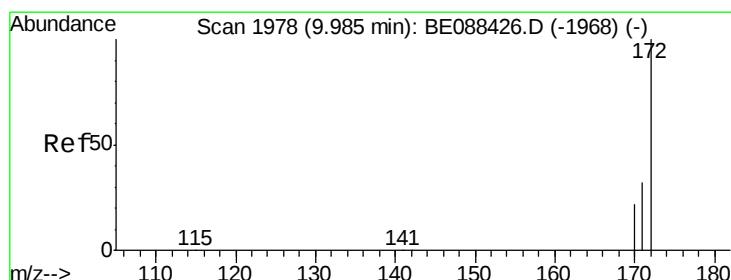
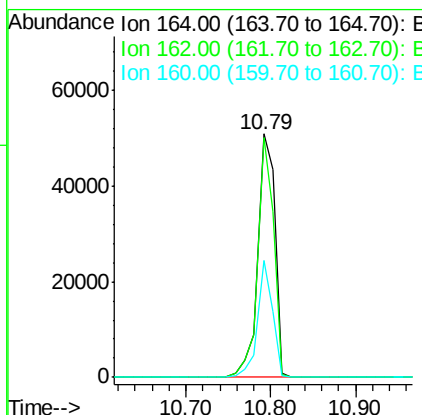
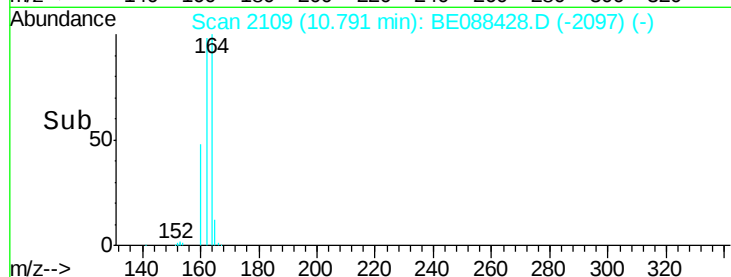
SSTDICC005



Tgt Ion:	164	Resp:	71361
Ion Ratio	Lower	Upper	
164	100		
162	98.2	77.0	115.4
160	48.0	36.8	55.2

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#8

2-Fluorobiphenyl

Concen: 5.00 ng

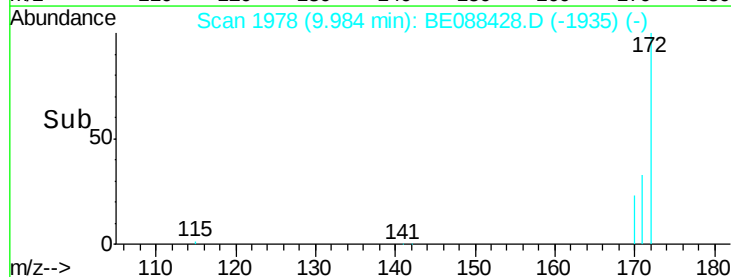
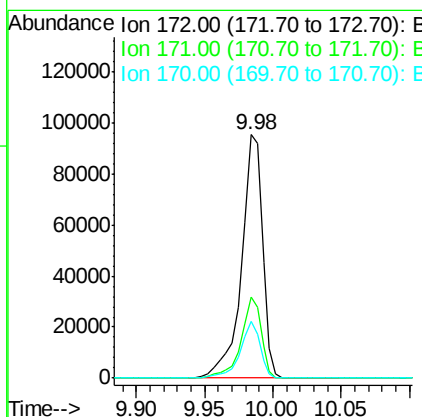
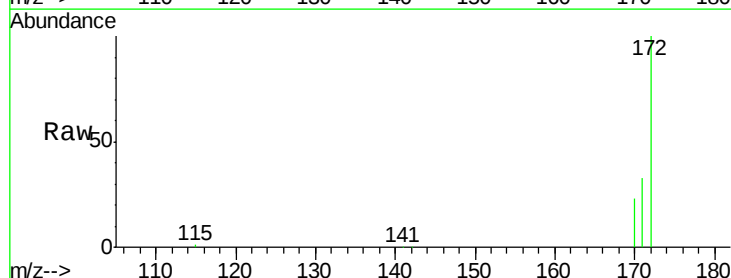
RT: 9.98 min Scan# 1978

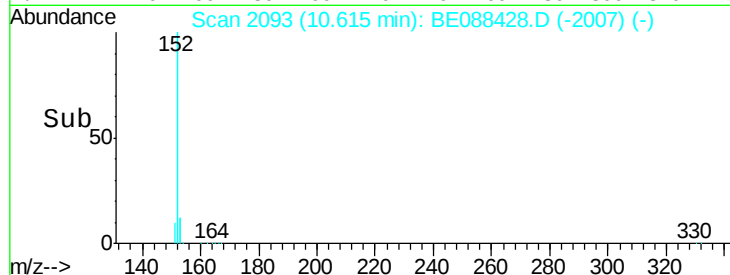
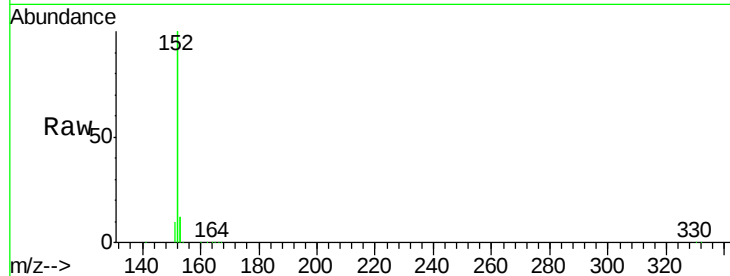
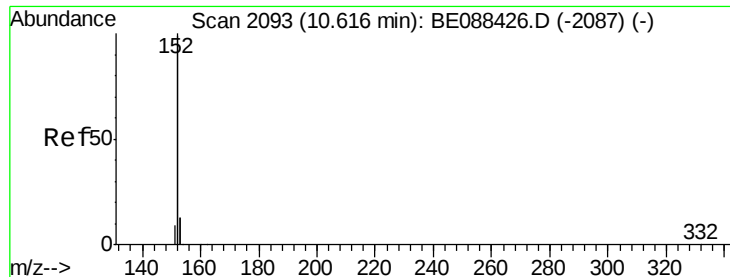
Delta R.T. -0.00 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Tgt Ion:	172	Resp:	101427
Ion Ratio	Lower	Upper	
172	100		
171	33.2	26.0	39.0
170	23.2	17.6	26.4





#9

Acenaphthylene

Concen: 4.80 ng

RT: 10.62 min Scan# 2093

Delta R.T. -0.00 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Instrument :

BNA_E

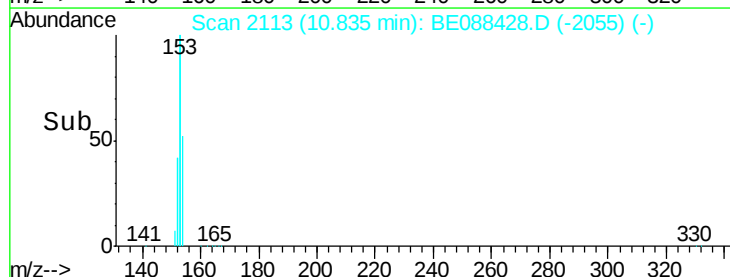
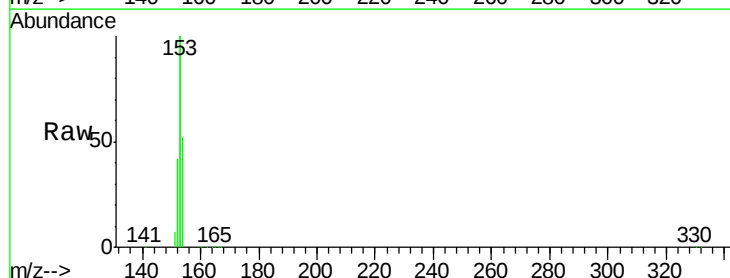
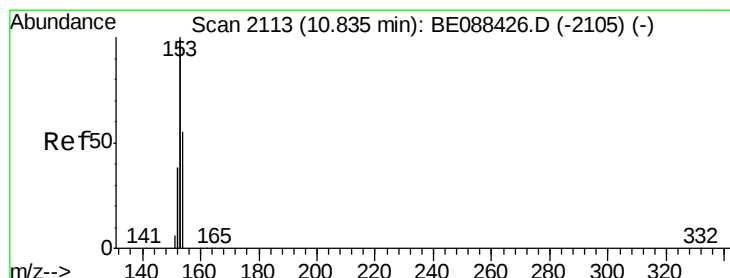
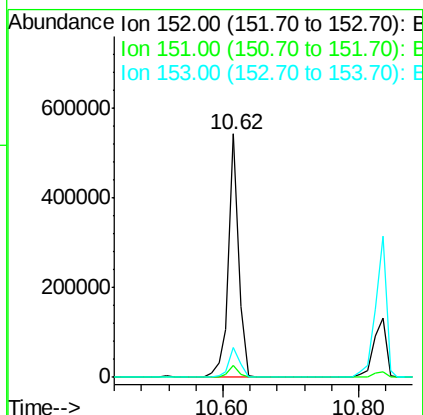
ClientSampleId :

SSTDIC005

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Tgt Ion:	152	Resp:	563304
Ion Ratio	Lower	Upper	
152	100		
151	4.7	4.4	6.6
153	13.2	10.5	15.7



#10

Acenaphthene

Concen: 4.78 ng

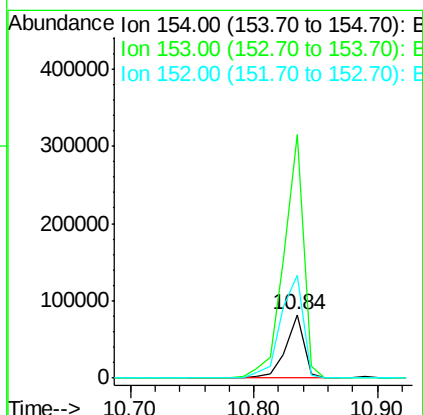
RT: 10.84 min Scan# 2113

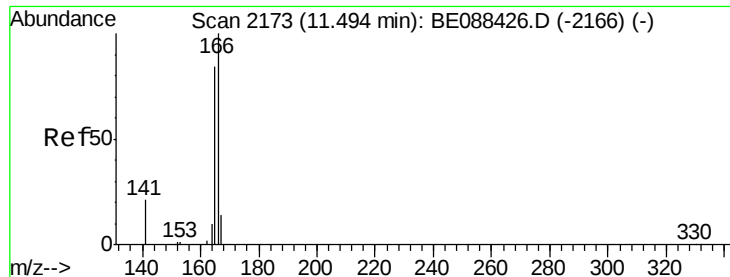
Delta R.T. -0.00 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Tgt Ion:	154	Resp:	83352
Ion Ratio	Lower	Upper	
154	100		
153	411.6	324.3	486.5
152	198.0	154.9	232.3





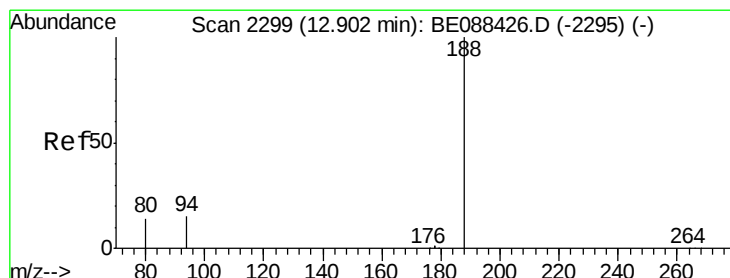
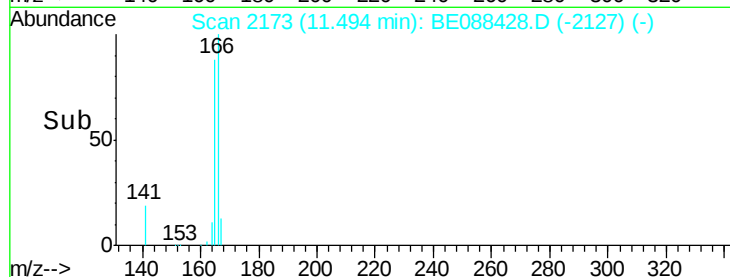
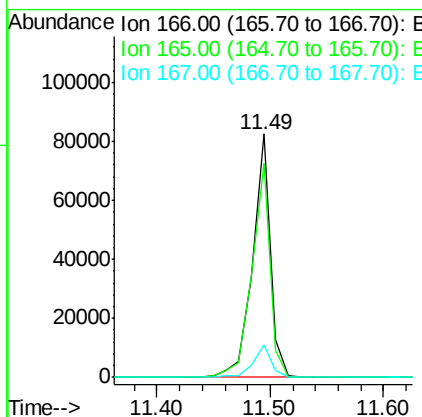
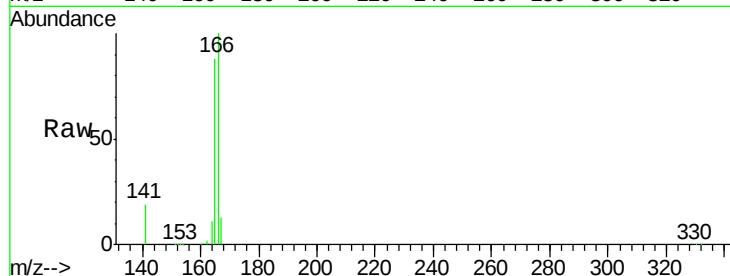
#11
Fluorene
 Concen: 4.90 ng
 RT: 11.49 min Scan# 2173
 Delta R.T. -0.00 min
 Lab File: BE088428.D
 Acq: 31 Oct 2014 18:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.2	71.3	106.9
167	13.4	10.7	16.1

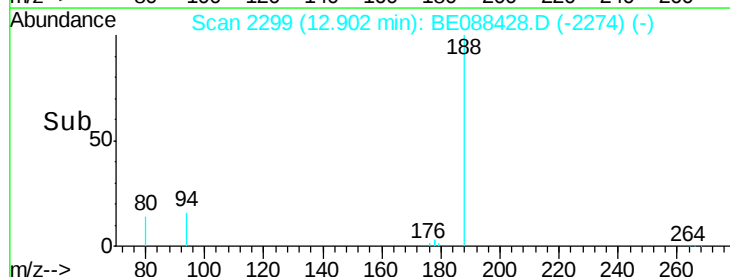
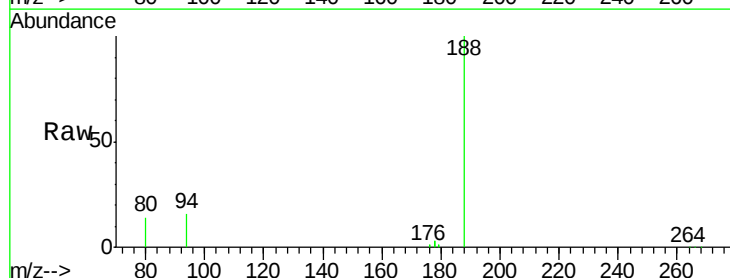
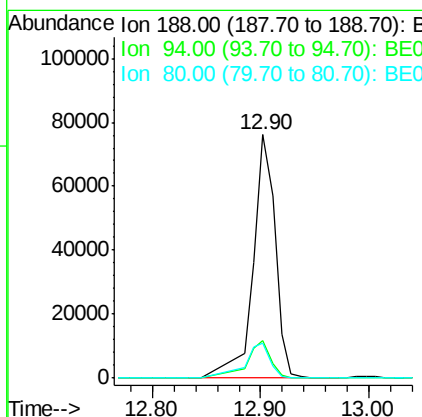
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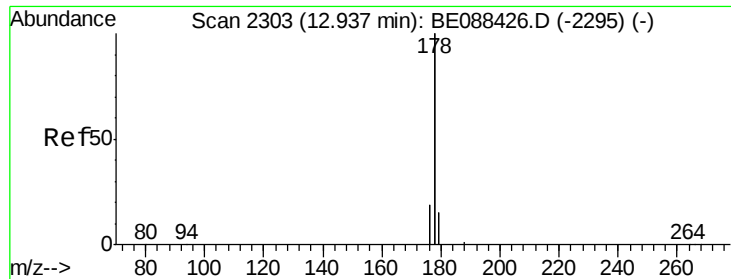
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: BE088428.D
 Acq: 31 Oct 2014 18:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.6	11.8	17.8
80	14.4	10.9	16.3





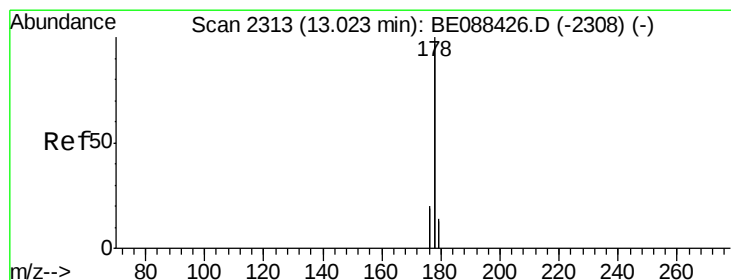
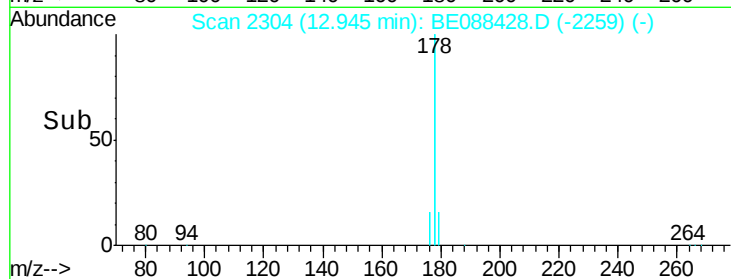
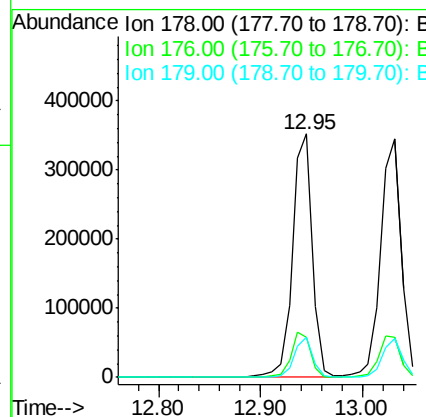
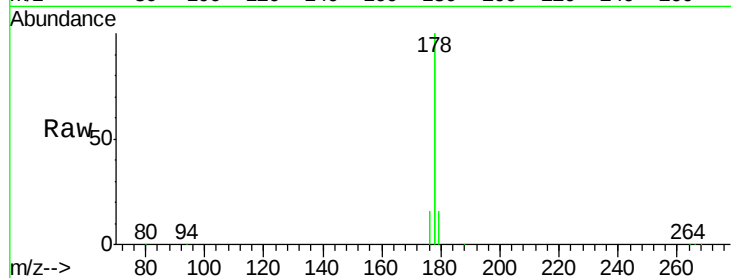
#13
Phenanthrene
Concen: 4.63 ng
RT: 12.95 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.6	12.8	19.2

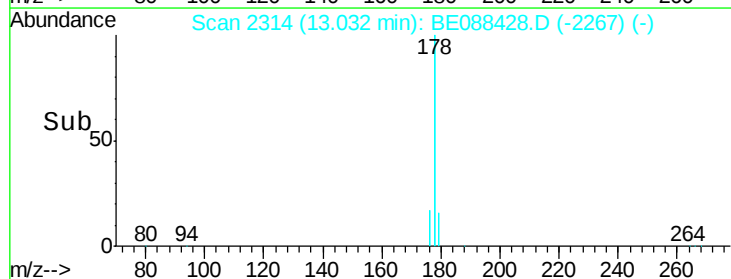
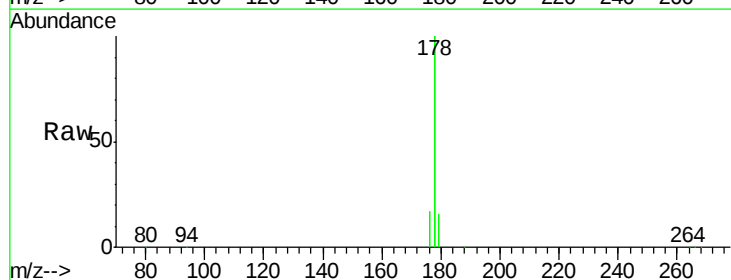
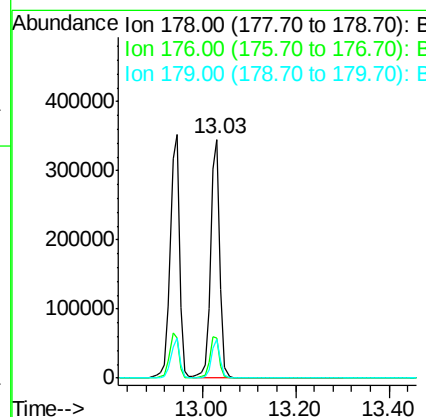
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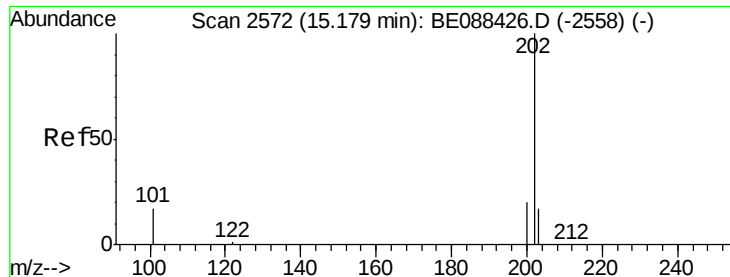
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#14
Anthracene
Concen: 4.90 ng
RT: 13.03 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.5	12.5	18.7





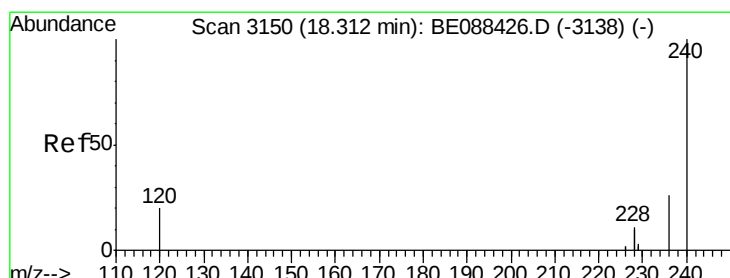
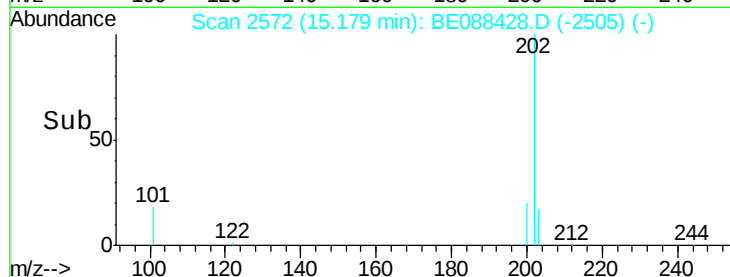
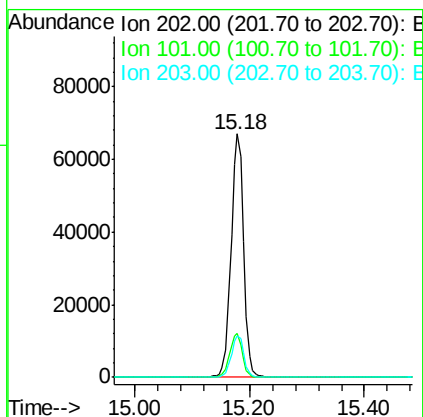
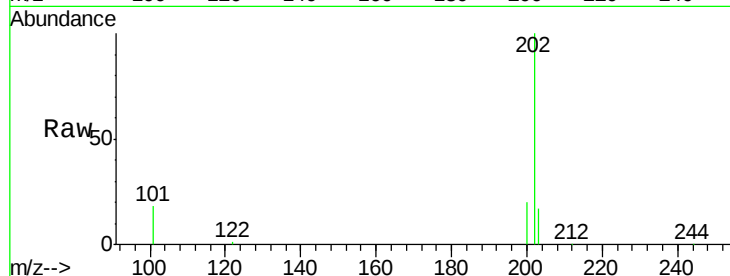
#15
 Fluoranthene
 Concen: 5.21 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088428.D
 Acq: 31 Oct 2014 18:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	102520		
101	17.8	14.3	21.5	
203	17.0	13.6	20.4	

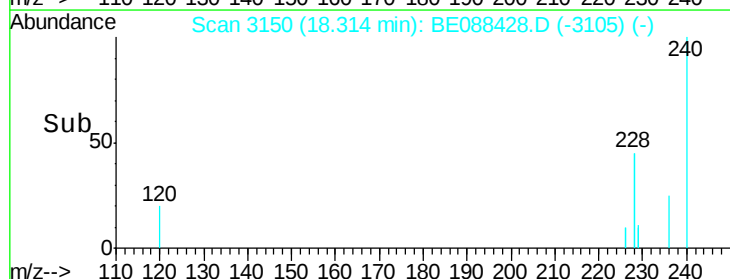
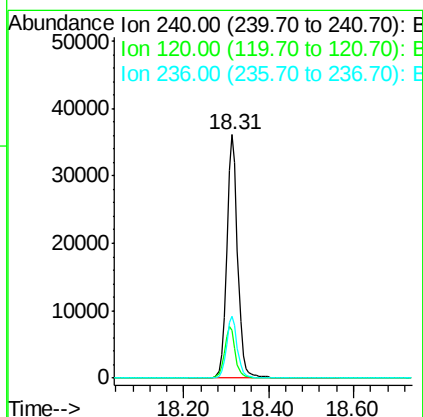
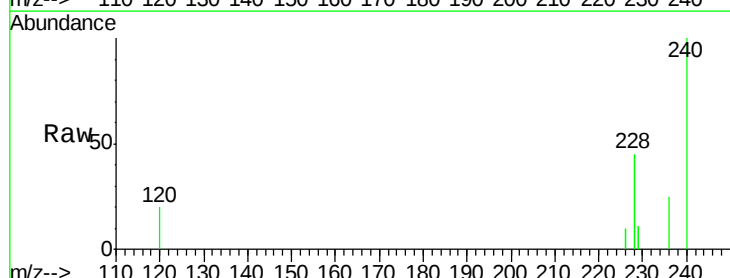
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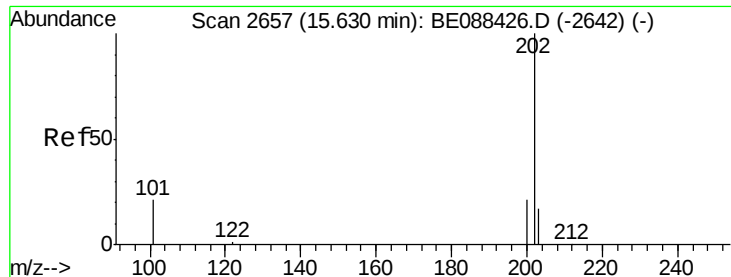
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: BE088428.D
 Acq: 31 Oct 2014 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	63956		
120	19.6	16.4	24.6	
236	25.5	20.5	30.7	





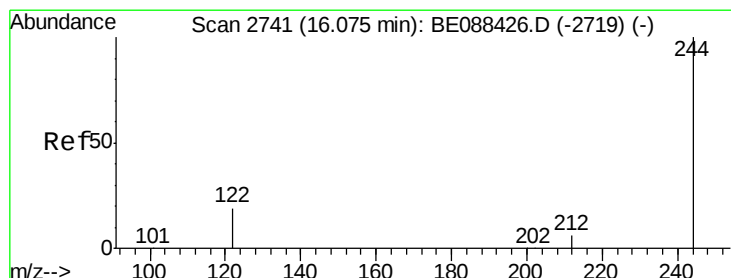
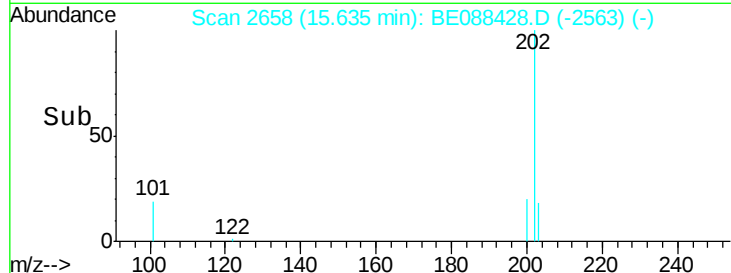
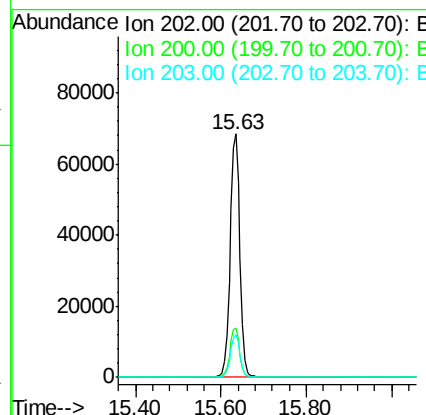
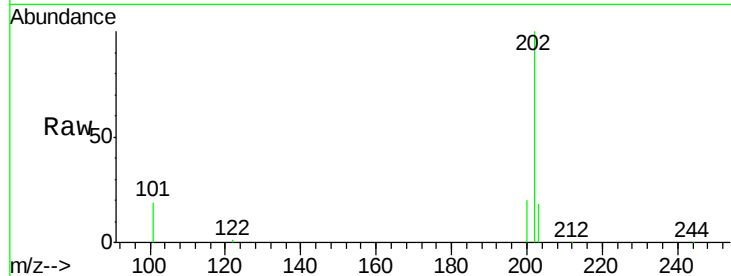
#17
Pyrene
Concen: 5.12 ng
RT: 15.63 min Scan# 2658
Delta R.T. 0.00 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.2	16.1	24.1
203	17.4	13.8	20.8

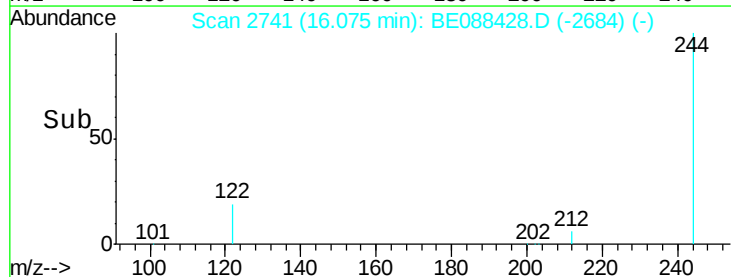
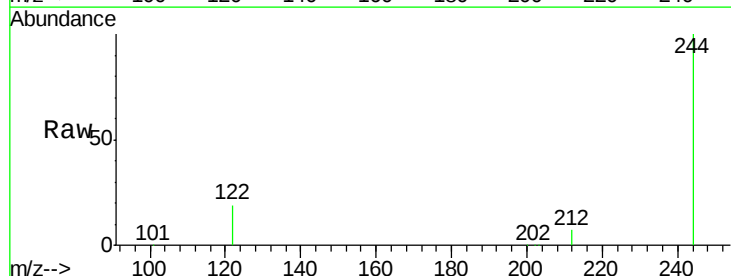
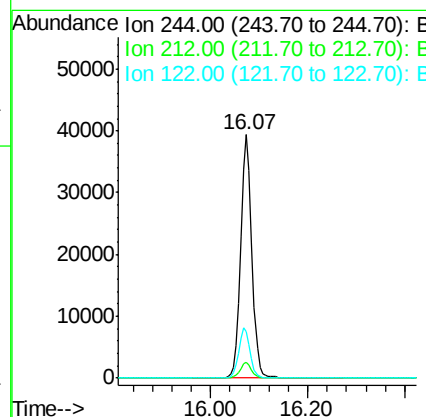
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#18
Terphenyl-d14
Concen: 5.20 ng
RT: 16.07 min Scan# 2741
Delta R.T. -0.00 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.5	5.5	8.3
122	19.4	15.6	23.4





#19

Benzo(a)anthracene

Concen: 5.14 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Instrument :

BNA_E

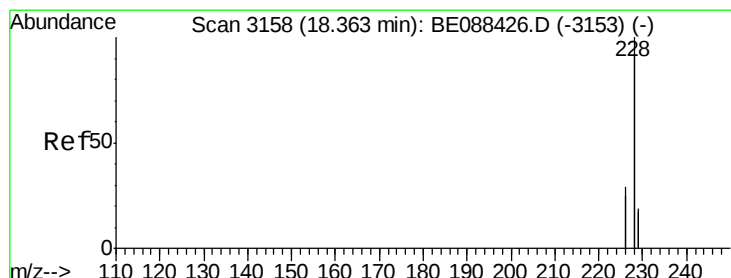
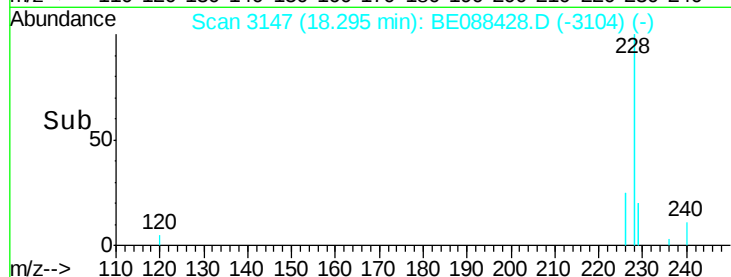
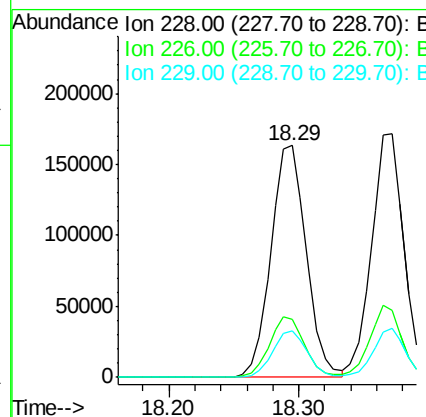
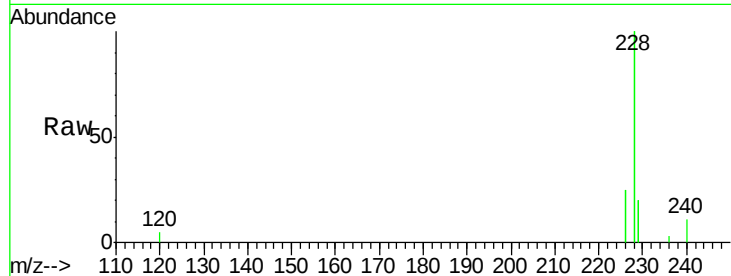
ClientSampleId :

SSTDICC005

Tgt Ion:	228	Resp:	309932
Ion Ratio	Lower	Upper	
228	100		
226	25.1	19.8	29.6
229	20.1	16.0	24.0

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#20

Chrysene

Concen: 5.10 ng

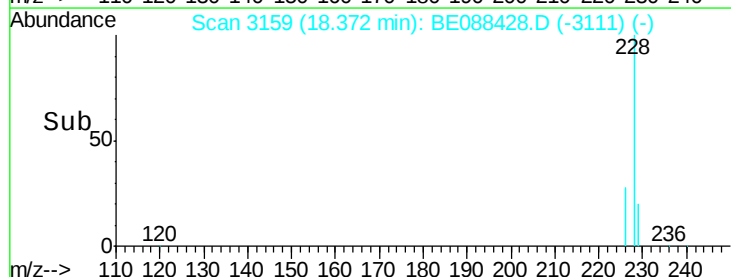
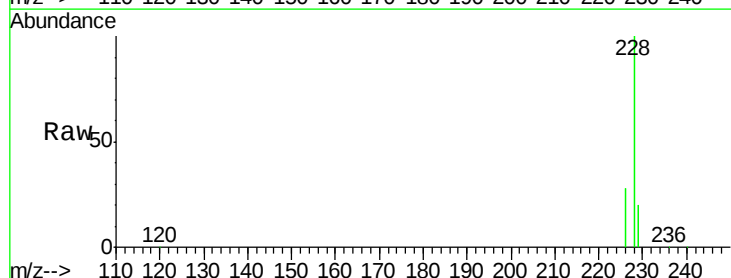
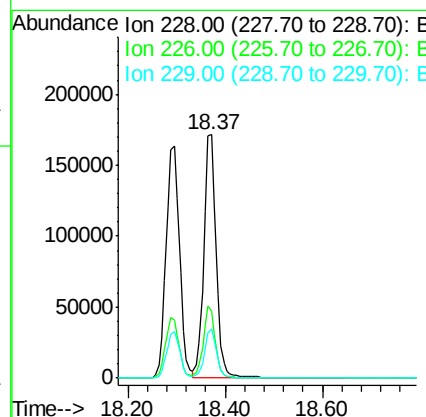
RT: 18.37 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Tgt Ion:	228	Resp:	302457
Ion Ratio	Lower	Upper	
228	100		
226	27.6	23.6	35.4
229	19.9	15.4	23.2





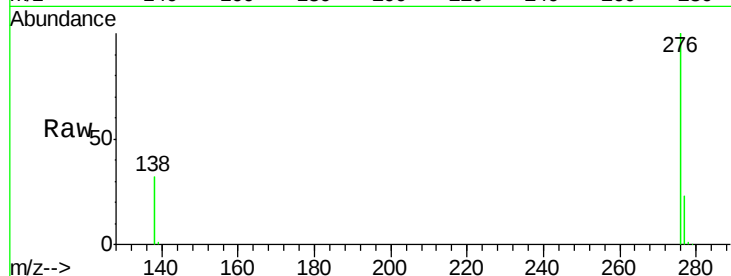
#21
Indeno(1,2,3-cd)pyrene
Concen: 5.20 ng m
RT: 23.55 min Scan# 4150
Delta R.T. 0.01 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	292429		
138	24.6	20.2	30.2	
277	18.2	14.8	22.2	

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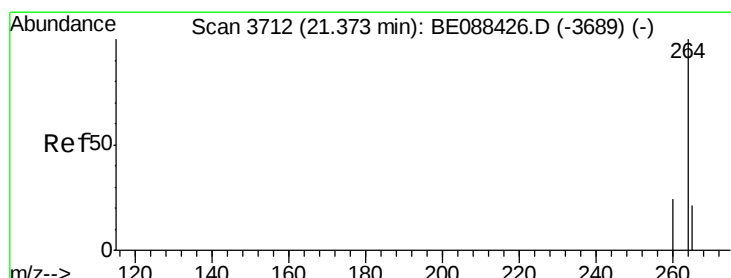
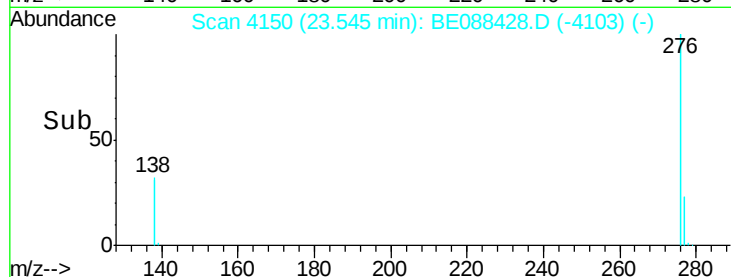
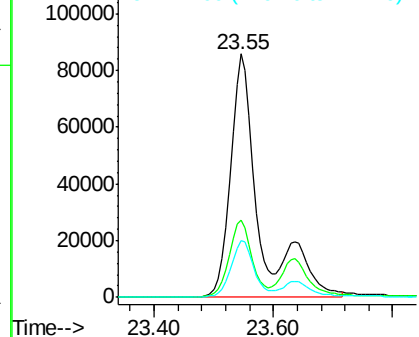


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3712
Delta R.T. 0.00 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

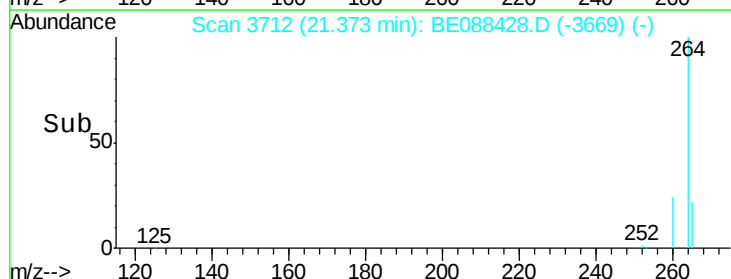
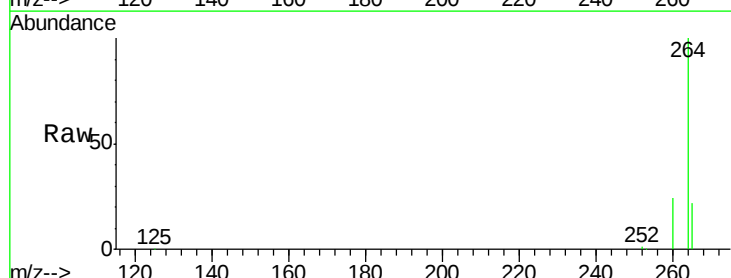
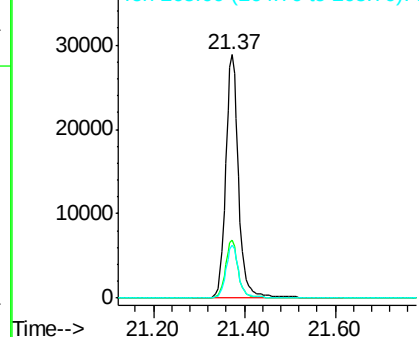
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	56190		
260	23.8	18.9	28.3	
265	21.7	17.2	25.8	

Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 5.39 ng

RT: 20.62 min Scan# 3546

Delta R.T. 0.00 min

Lab File: BE088428.D

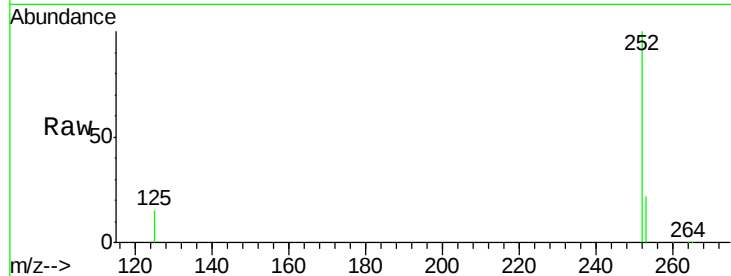
Acq: 31 Oct 2014 18:06

Instrument :

BNA_E

ClientSampleId :

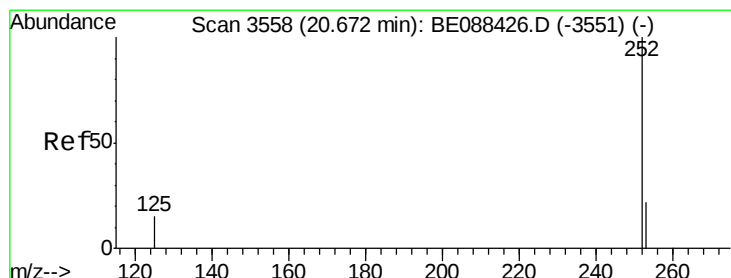
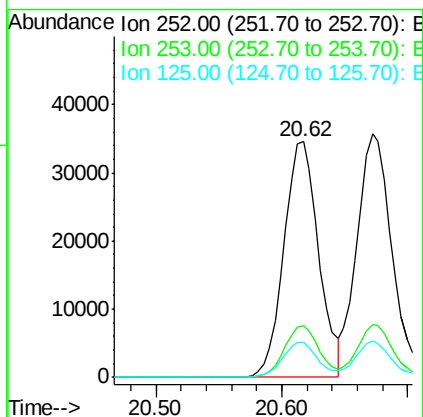
SSTDIC005



Tgt Ion:	252	Resp:	66064
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.8
125	14.8	12.3	18.5

Manual Integrations
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#24

Benzo(k)fluoranthene

Concen: 5.25 ng

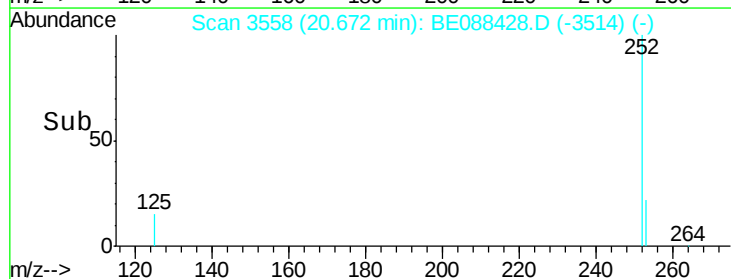
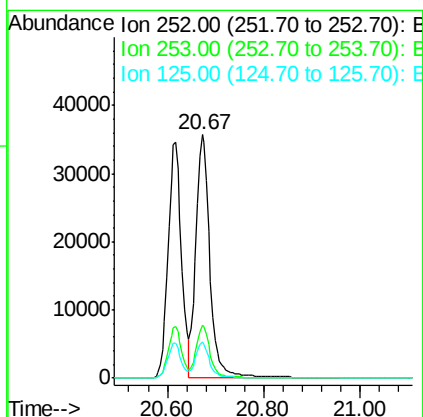
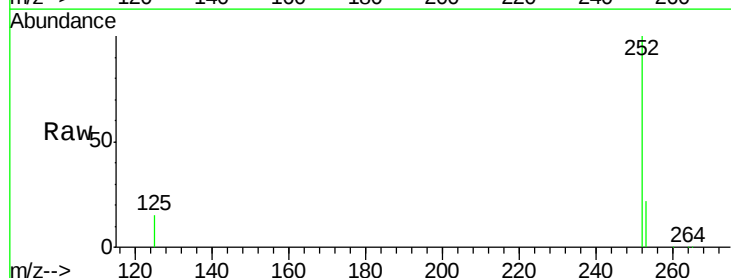
RT: 20.67 min Scan# 3558

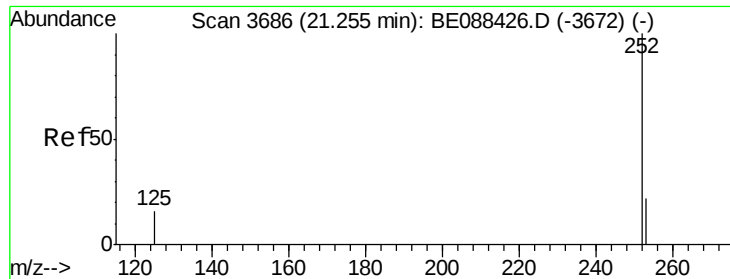
Delta R.T. -0.00 min

Lab File: BE088428.D

Acq: 31 Oct 2014 18:06

Tgt Ion:	252	Resp:	71418
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.8
125	14.9	12.2	18.4





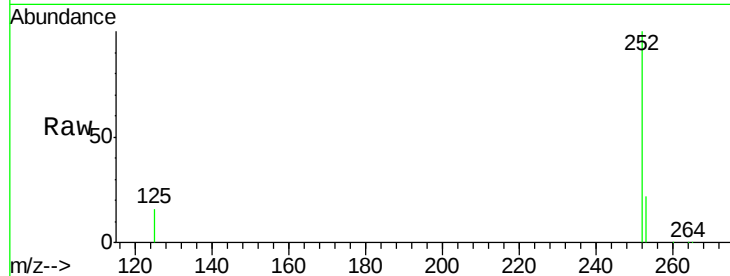
#25
Benzo(a)pyrene
Concen: 5.35 ng
RT: 21.25 min Scan# 3686
Delta R.T. 0.00 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	16.3	13.7	20.5

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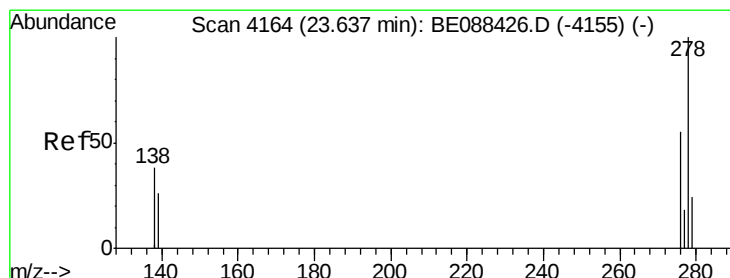
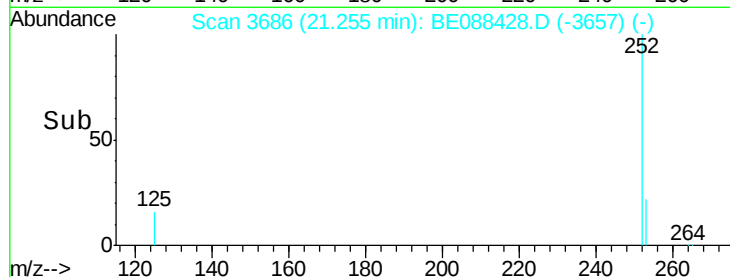
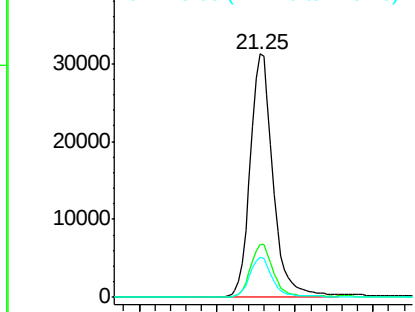


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26
Dibenzo(a,h)anthracene
Concen: 5.31 ng
RT: 23.64 min Scan# 4165
Delta R.T. 0.01 min
Lab File: BE088428.D
Acq: 31 Oct 2014 18:06

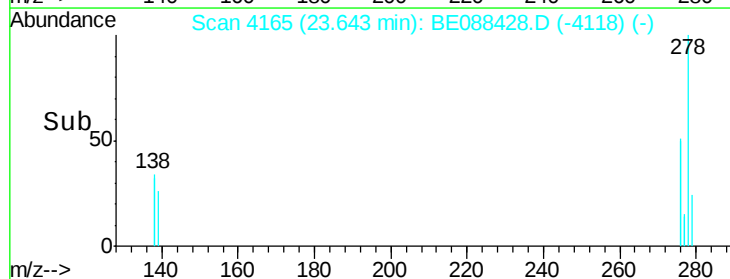
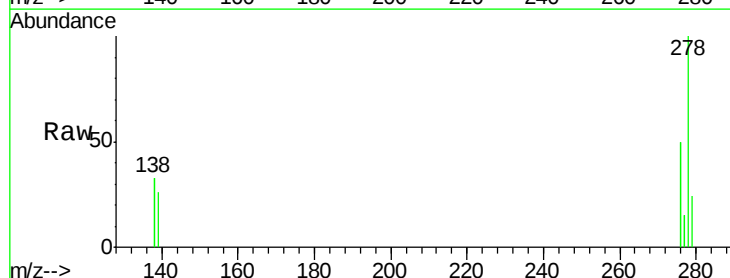
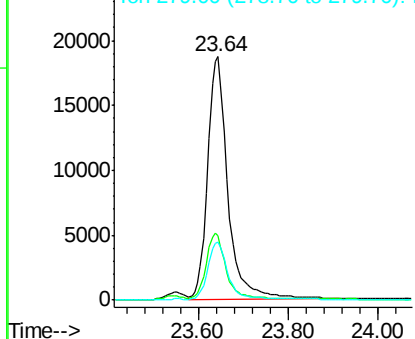
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	22.1	33.1
279	23.9	19.7	29.5

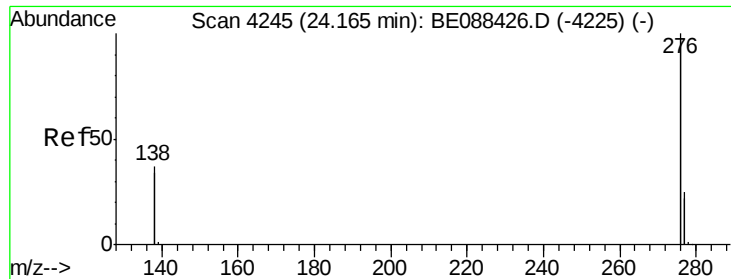
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#27
 Benzo(g,h,i)perylene
 Concen: 5.12 ng
 RT: 24.17 min Scan# 4246
 Delta R.T. 0.01 min
 Lab File: BE088428.D
 Acq: 31 Oct 2014 18:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		258350		
277	24.0	19.8		29.6	
138	34.5	29.3		43.9	

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