

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
 Data File : BE088321.D
 Acq On : 27 Oct 2014 19:42
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Manual Integrations
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mohammad
 10/29/2014 11:11:19 AM

Quant Time: Oct 28 10:09:14 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 01:17:45 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	34162	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	137541	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	74755	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	153512	5.00	ng	0.00
16) Chrysene-d12	18.35	240	87107	5.00	ng	0.00
22) Perylene-d12	21.41	264	65339	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	10205	1.20	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	20587	0.99	ng	0.00
18) Terphenyl-d14	16.10	244	16076	1.12	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.29	88	4969	1.05	ng	100
5) Naphthalene	8.69	128	29215	1.04	ng	100
6) 2-Methylnaphthalene	9.55	142	19226	1.13	ng	100
9) Acenaphthylene	10.64	152	119262	1.07	ng	100
10) Acenaphthene	10.86	154	17723	1.01	ng	100
11) Fluorene	11.52	166	20201	1.11	ng	100
13) Phenanthrene	12.96	178	140187	0.96	ng	100
14) Anthracene	13.05	178	112656	1.04	ng	100
15) Fluoranthene	15.21	202	24843	1.10	ng	100
17) Pyrene	15.66	202	26021	1.09	ng	100
19) Benzo(a)anthracene	18.32	228	72716	1.05	ng	100
20) Chrysene	18.40	228	72350	0.94	ng	100
21) Indeno(1,2,3-cd)pyrene	23.58	276	62166m	1.07	ng	
23) Benzo(b)fluoranthene	20.64	252	14722	1.33	ng	100
24) Benzo(k)fluoranthene	20.70	252	15789	0.95	ng	100
25) Benzo(a)pyrene	21.28	252	13388	1.26	ng	100
26) Dibenzo(a,h)anthracene	23.68	278	12331	1.23	ng	100
27) Benzo(g,h,i)perylene	24.20	276	54679	1.04	ng	100

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

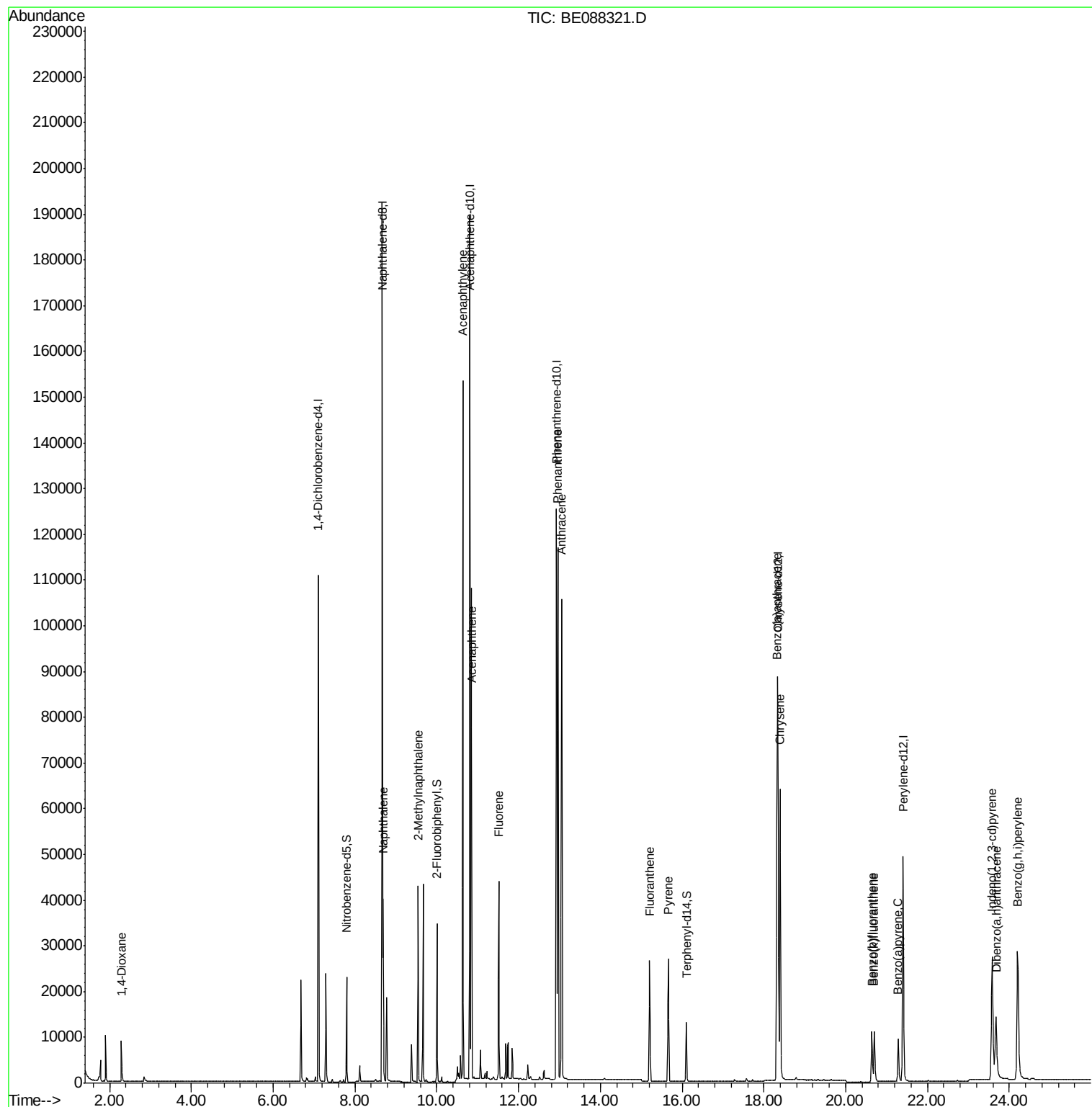
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
Data File : BE088321.D
Acq On : 27 Oct 2014 19:42
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ALS Vial : 7 Sample Multiplier: 1

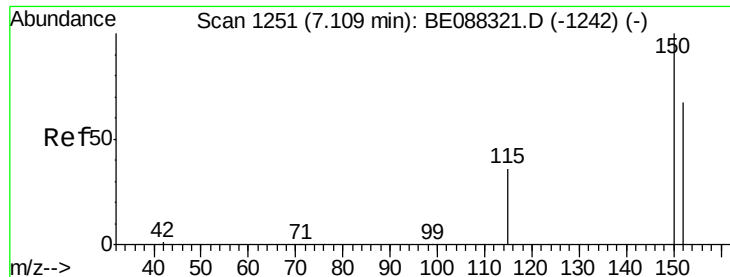
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: BE088321.D

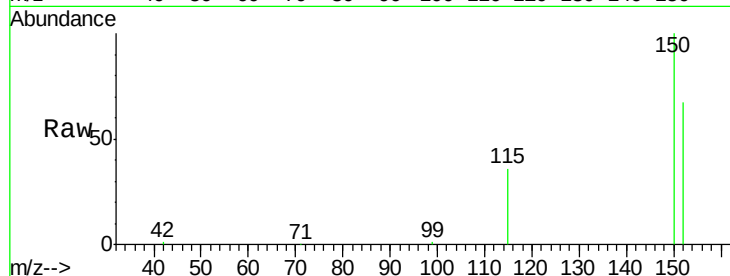
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion: 152 Resp: 34162

Ion Ratio Lower Upper

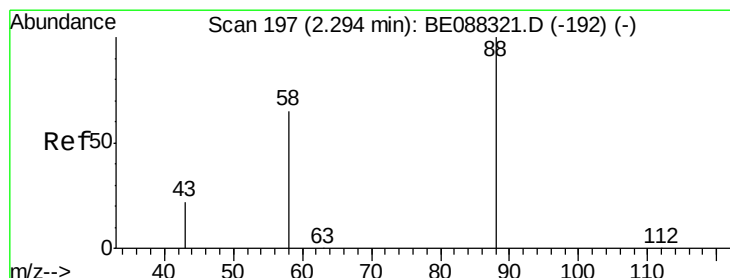
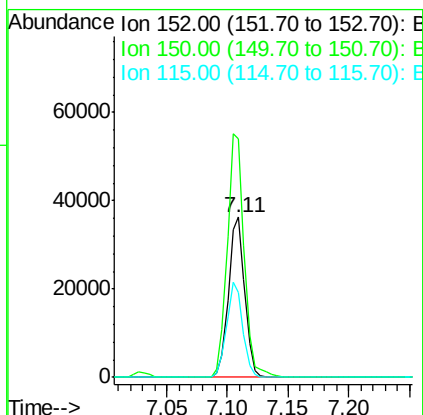
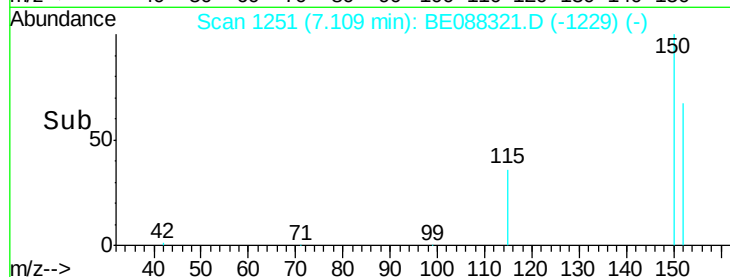
152 100

150 149.1 119.3 178.9

115 53.3 42.6 64.0

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#2

1,4-Dioxane

Concen: 1.05 ng

RT: 2.29 min Scan# 197

Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

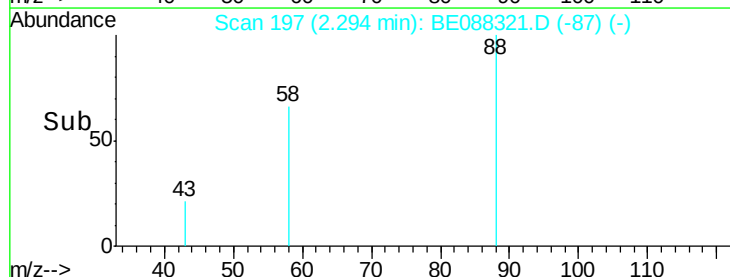
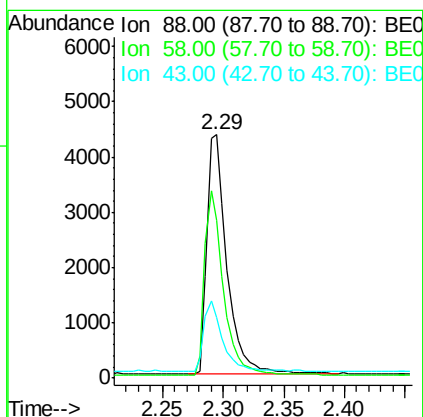
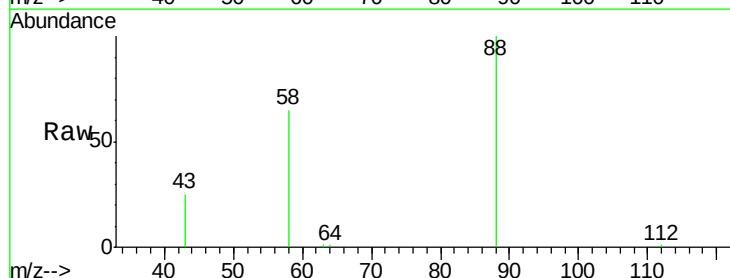
Tgt Ion: 88 Resp: 4969

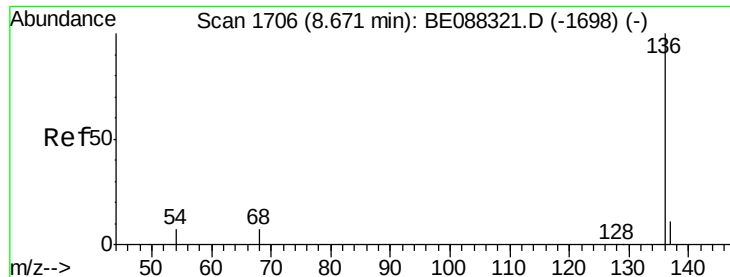
Ion Ratio Lower Upper

88 100

58 74.2 59.4 89.0

43 26.8 21.4 32.2





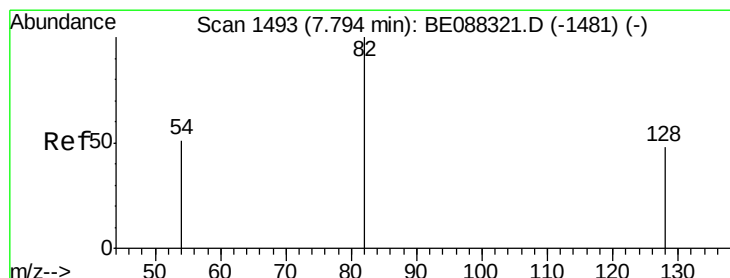
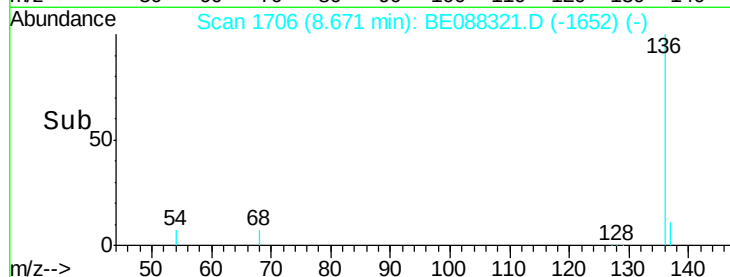
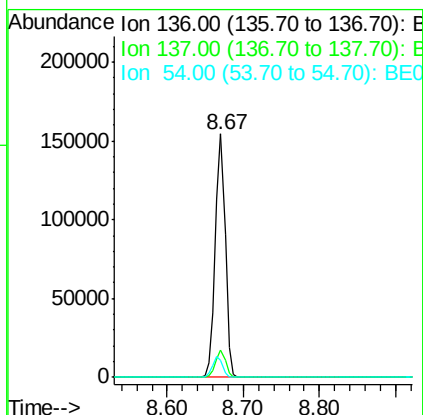
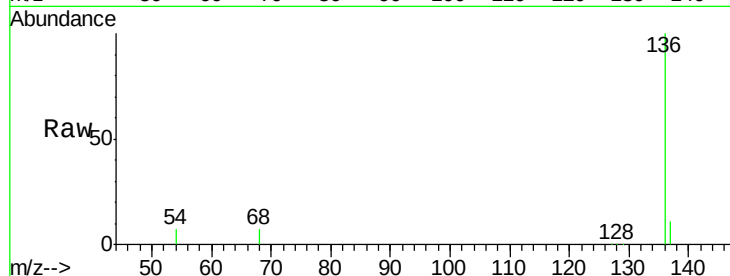
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.67 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BE088321.D
Acq: 27 Oct 2014 19:42

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	137541		
137	11.0	8.8	13.2	
54	6.9	5.5	8.3	

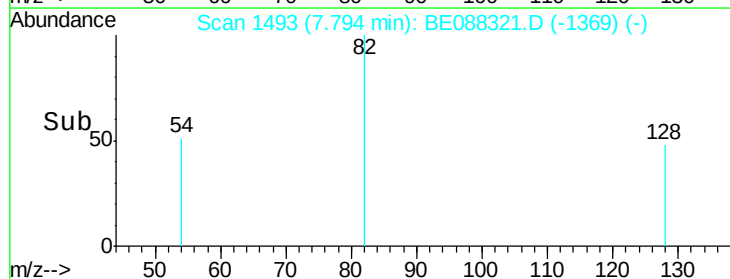
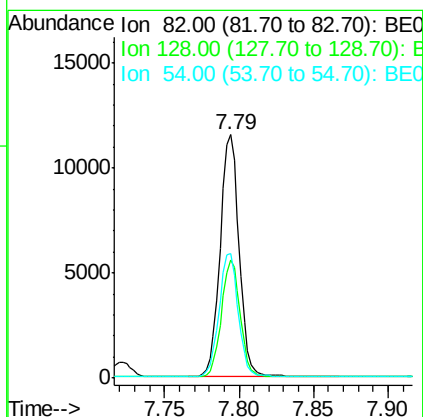
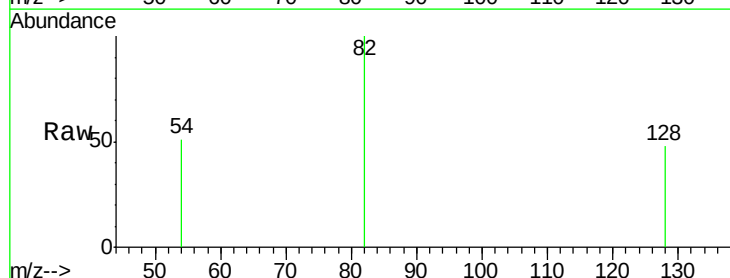
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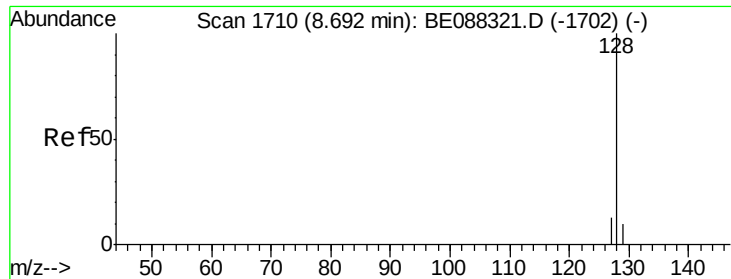
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#4
Nitrobenzene-d5
Concen: 1.20 ng
RT: 7.79 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BE088321.D
Acq: 27 Oct 2014 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	10205		
128	48.4	38.7	58.1	
54	51.2	41.0	61.4	





#5

Naphthalene

Concen: 1.04 ng

RT: 8.69 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE088321.D

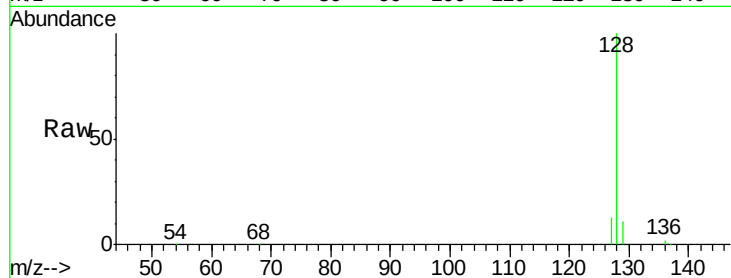
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

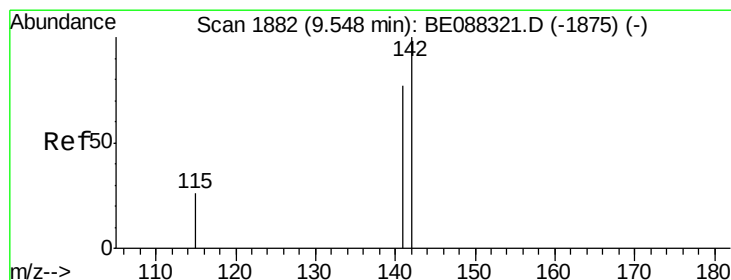
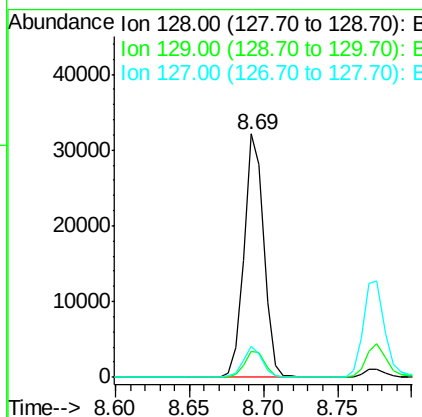
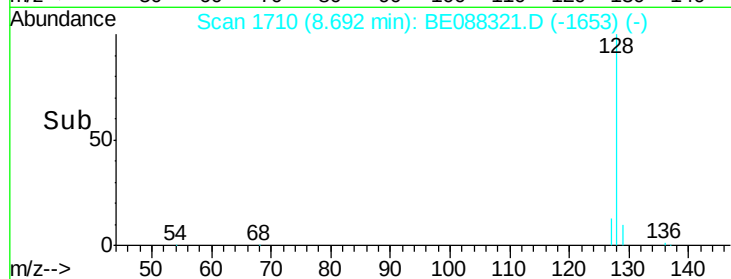
SSTDICCC001



Tgt Ion:	128	Resp:	29215
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.5	12.7
127	12.7	10.2	15.2

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#6

2-Methylnaphthalene

Concen: 1.13 ng

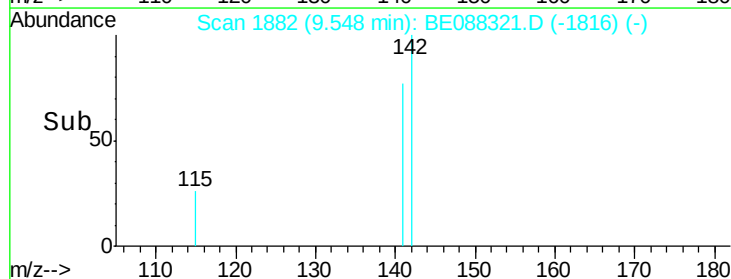
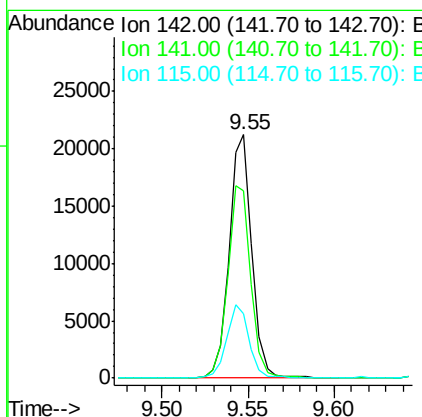
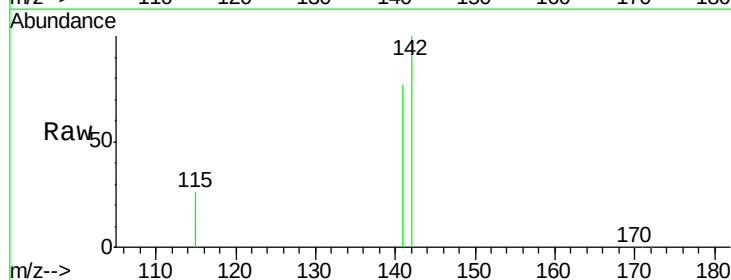
RT: 9.55 min Scan# 1882

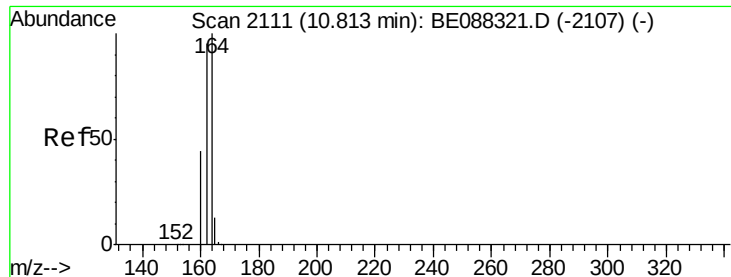
Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

Tgt Ion:	142	Resp:	19226
Ion Ratio	Lower	Upper	
142	100		
141	76.7	61.4	92.0
115	26.3	21.0	31.6





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.81 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088321.D

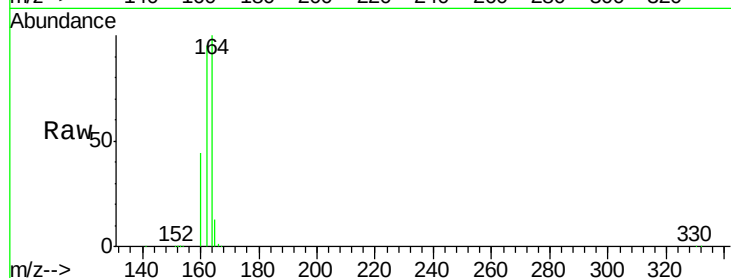
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

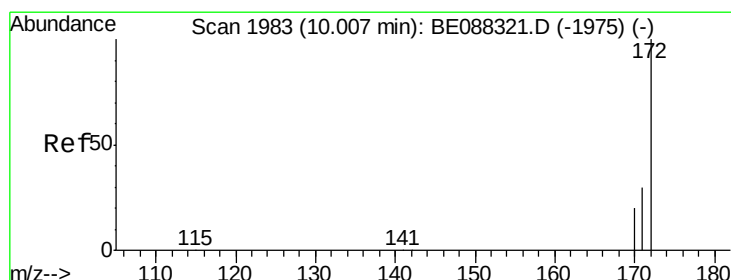
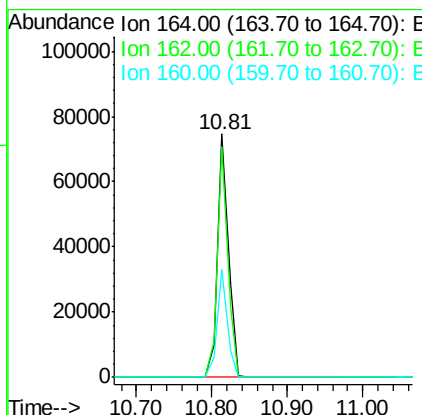
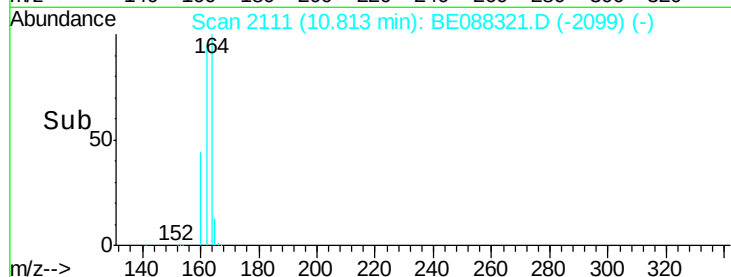
SSTDICCC001



Tgt Ion:	164	Resp:	74755
Ion Ratio	Lower	Upper	
164	100		
162	94.6	75.7	113.5
160	44.5	35.6	53.4

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#8

2-Fluorobiphenyl

Concen: 0.99 ng

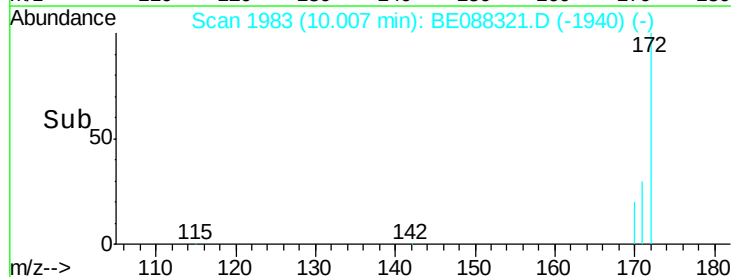
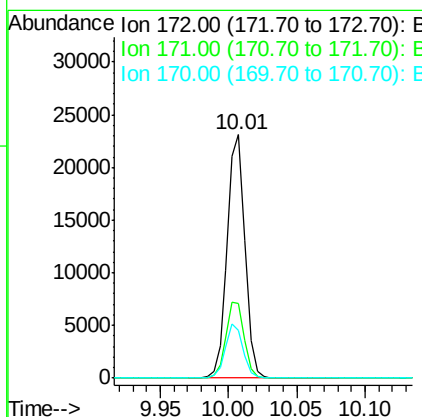
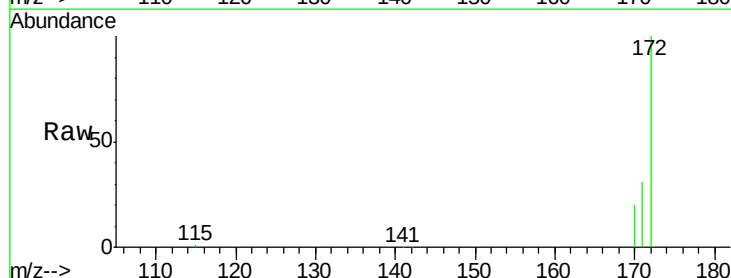
RT: 10.01 min Scan# 1983

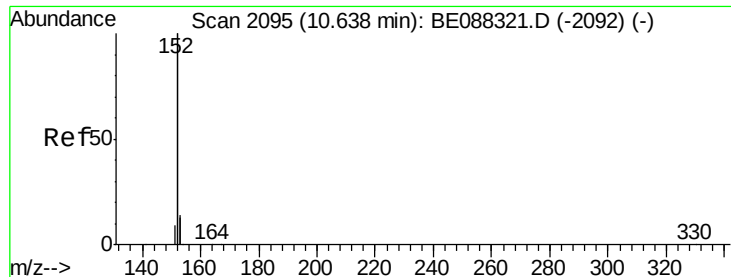
Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

Tgt Ion:	172	Resp:	20587
Ion Ratio	Lower	Upper	
172	100		
171	30.6	24.5	36.7
170	19.7	15.8	23.6





#9

Acenaphthylene

Concen: 1.07 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088321.D

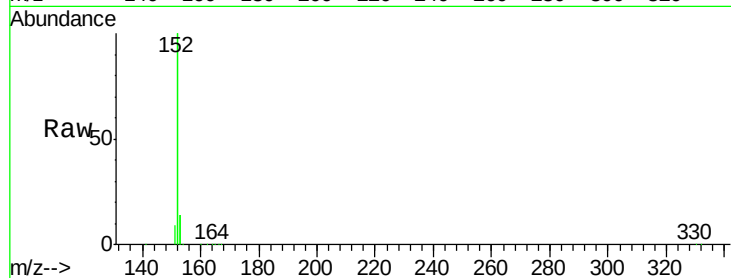
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

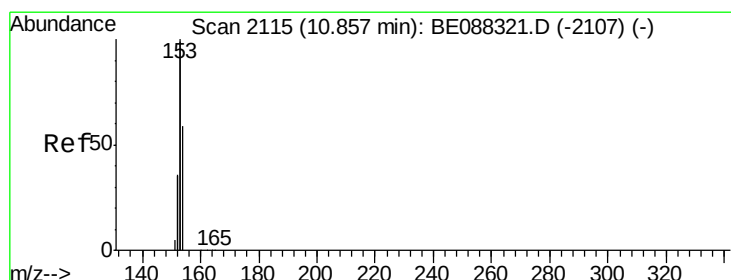
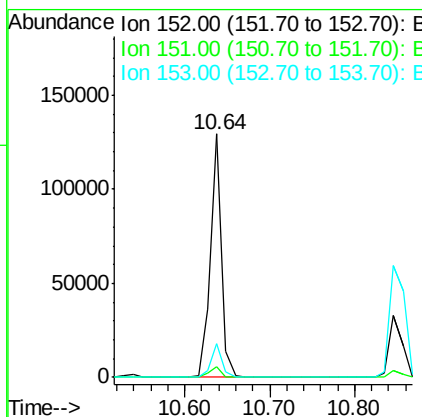
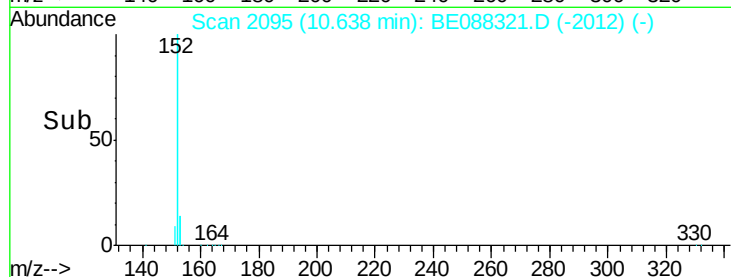
SSTDICCC001



Tgt Ion:	152	Resp:	119262
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.1	10.5	15.7

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#10

Acenaphthene

Concen: 1.01 ng

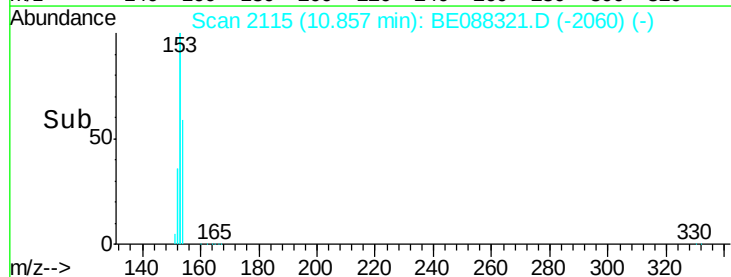
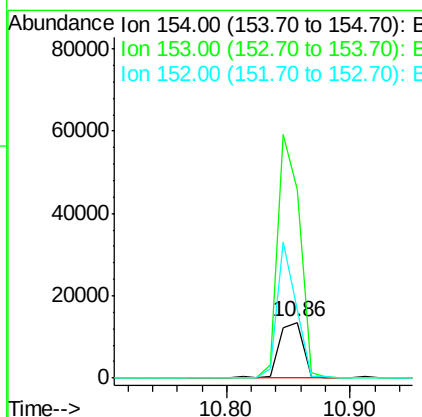
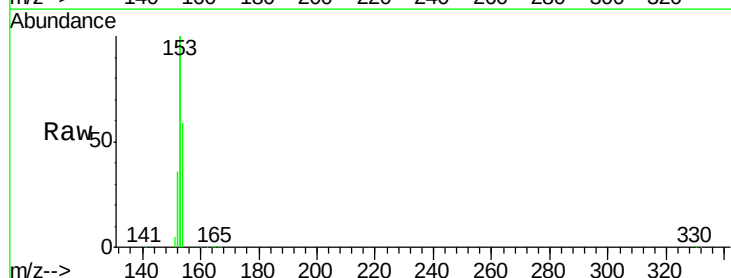
RT: 10.86 min Scan# 2115

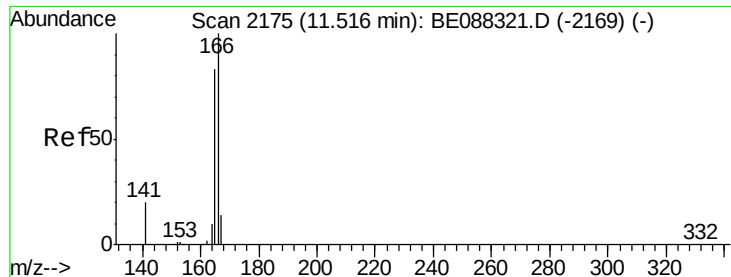
Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

Tgt Ion:	154	Resp:	17723
Ion Ratio	Lower	Upper	
154	100		
153	404.7	323.8	485.6
152	193.5	154.8	232.2





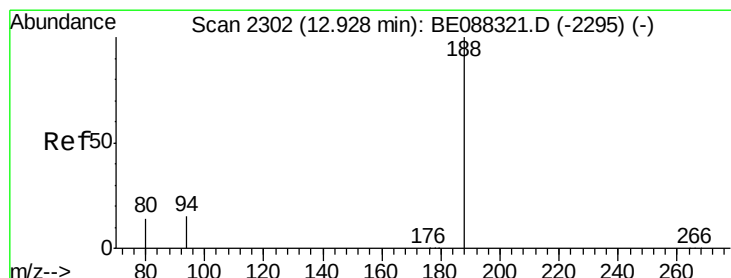
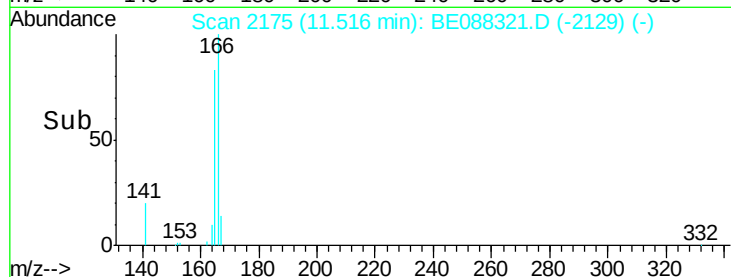
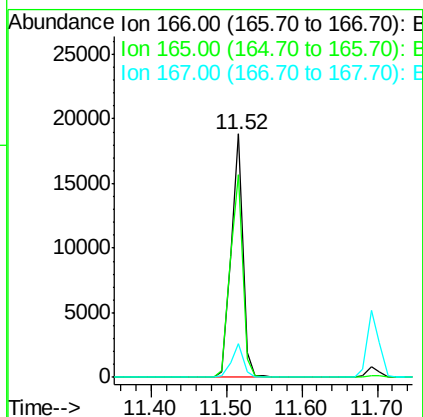
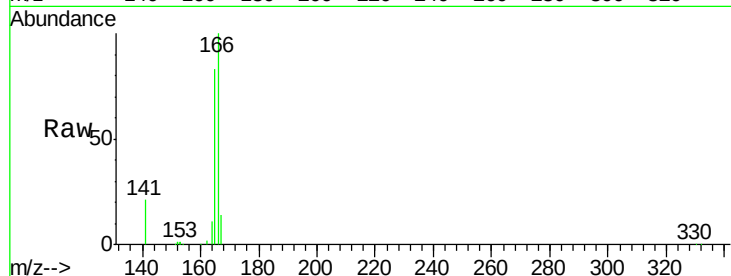
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 Fluorene
 Concen: 1.11 ng
 RT: 11.52 min Scan# 2175
 Delta R.T. 0.00 min
 Lab File: BE088321.D
 Acq: 27 Oct 2014 19:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.2	70.6	105.8
167	13.4	10.7	16.1

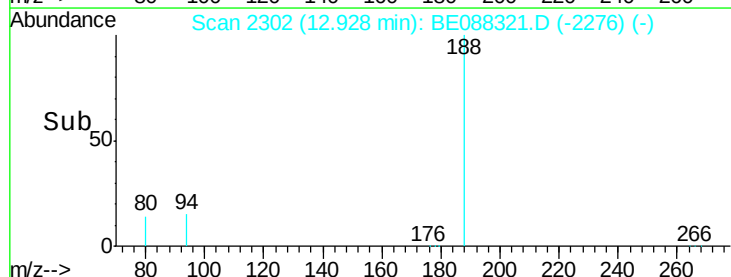
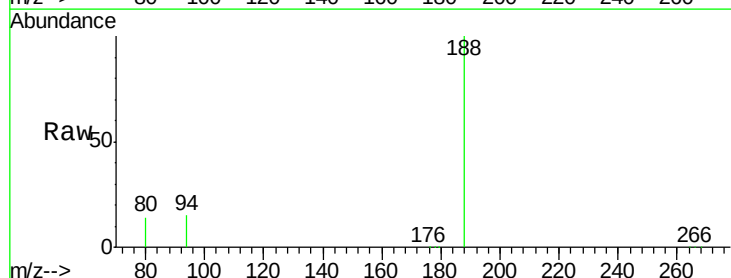
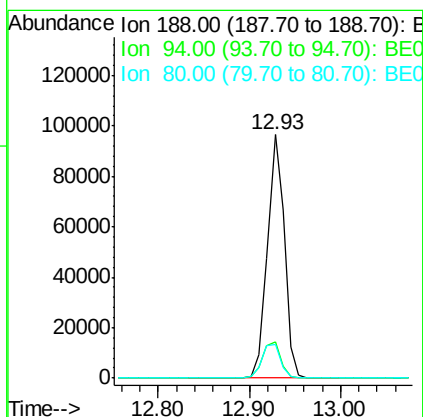
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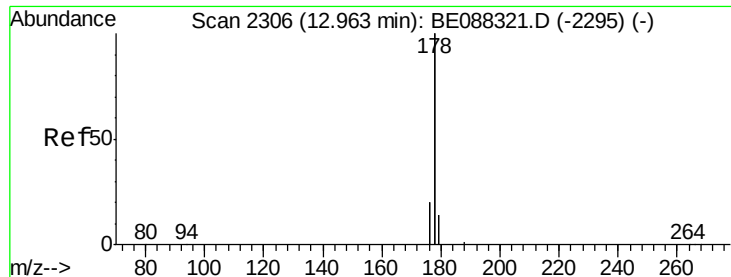
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#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.93 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: BE088321.D
 Acq: 27 Oct 2014 19:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.0	12.0	18.0
80	14.1	11.3	16.9





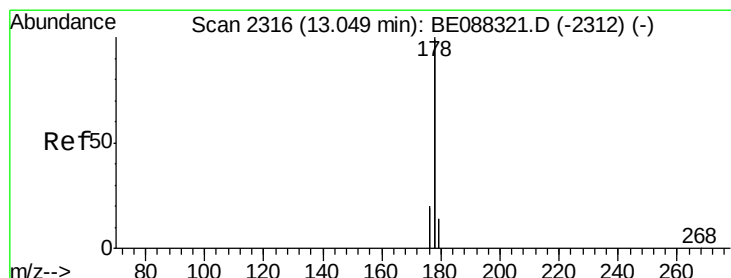
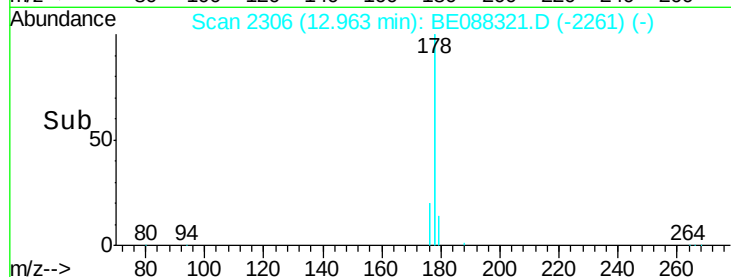
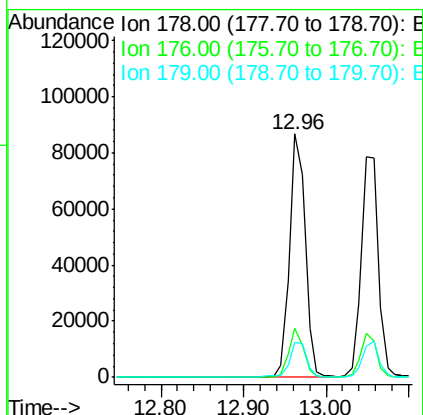
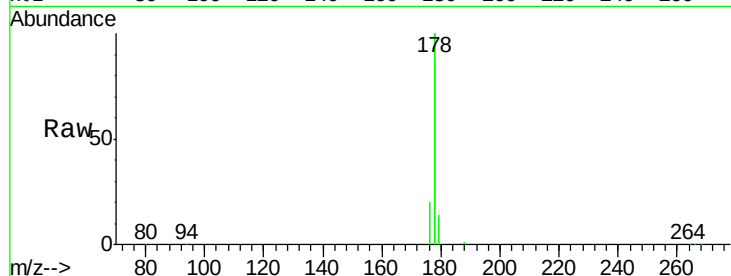
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Phenanthrene
Concen: 0.96 ng
RT: 12.96 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088321.D
Acq: 27 Oct 2014 19:42

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	16.5	13.2	19.8

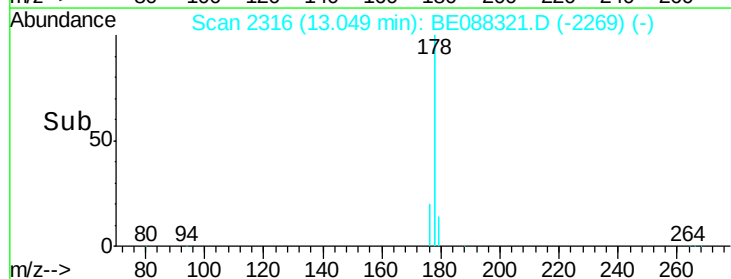
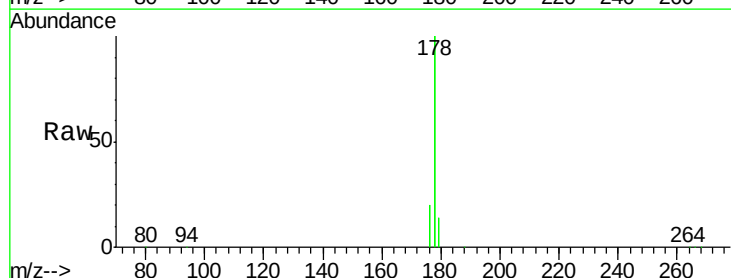
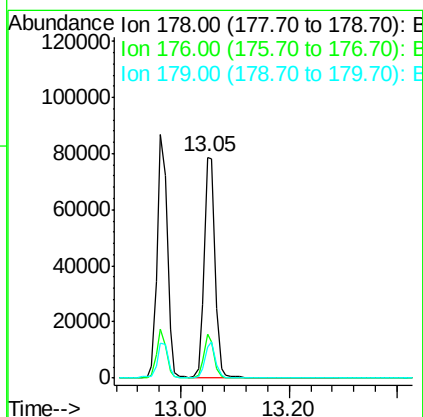
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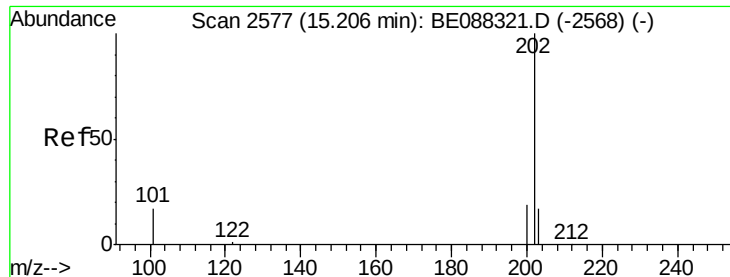
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#14
Anthracene
Concen: 1.04 ng
RT: 13.05 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088321.D
Acq: 27 Oct 2014 19:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.7	12.6	18.8





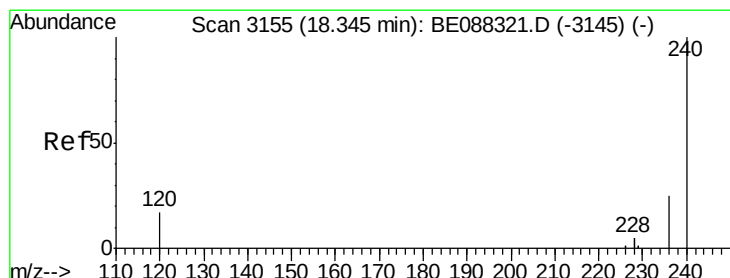
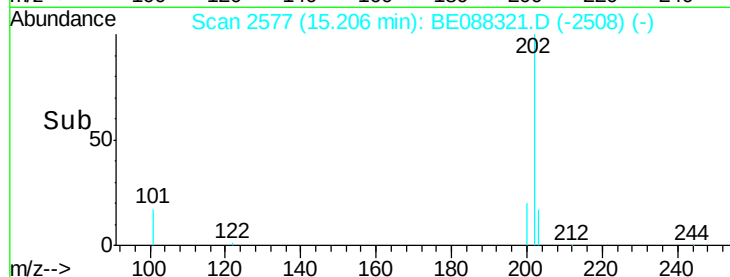
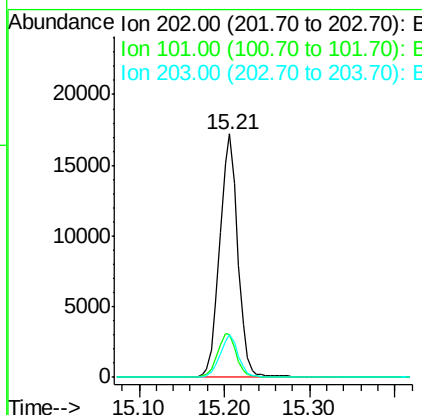
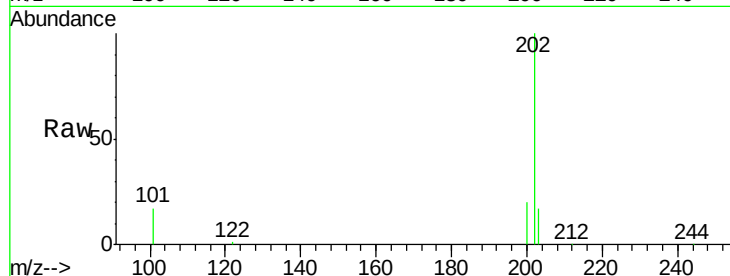
#15
 Fluoranthene
 Concen: 1.10 ng
 RT: 15.21 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: BE088321.D
 Acq: 27 Oct 2014 19:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTD1CCC001

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.2	14.6	21.8
203	17.2	13.8	20.6

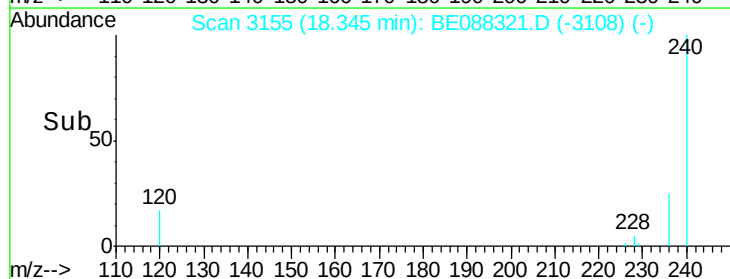
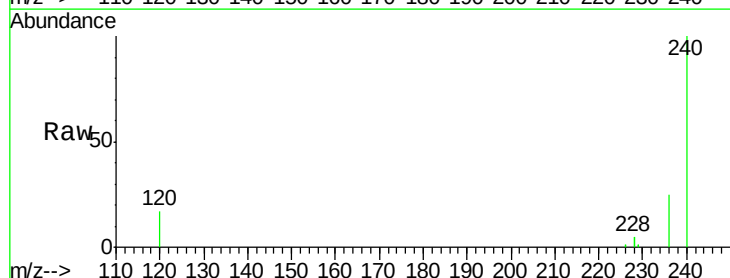
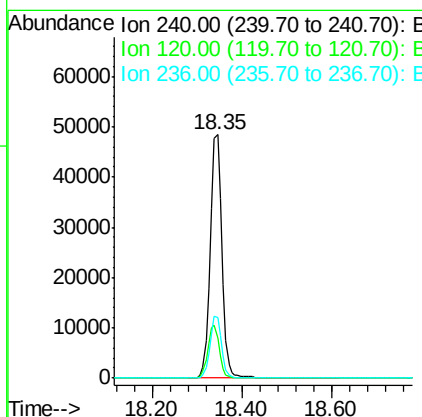
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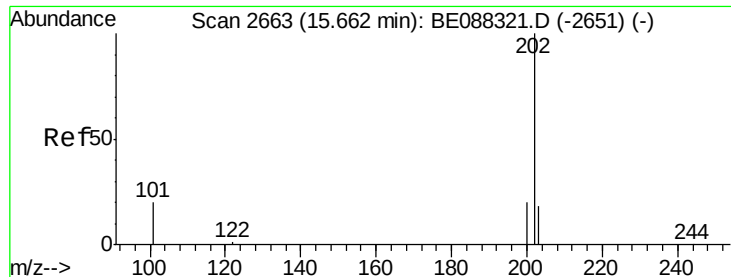
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.35 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BE088321.D
 Acq: 27 Oct 2014 19:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.7	13.4	20.0
236	25.0	20.0	30.0





#17

Pyrene

Concen: 1.09 ng

RT: 15.66 min Scan# 2663

Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

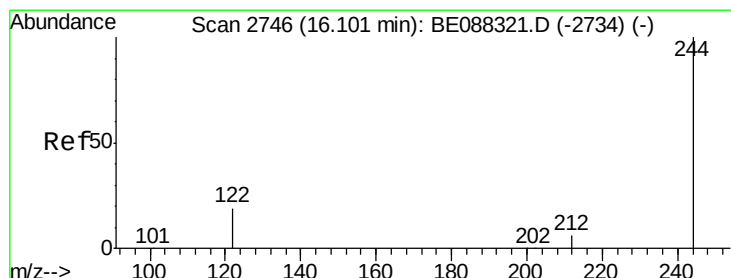
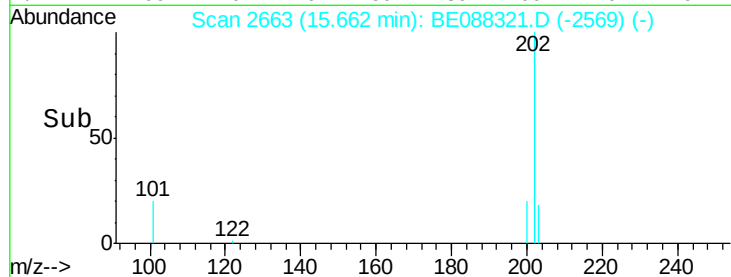
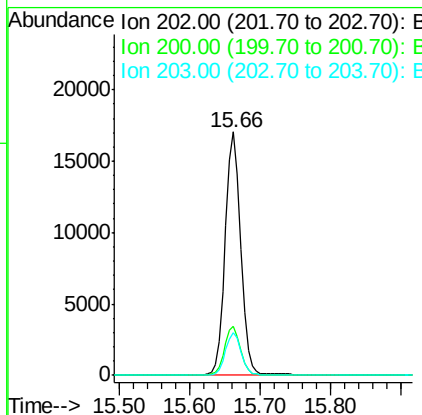
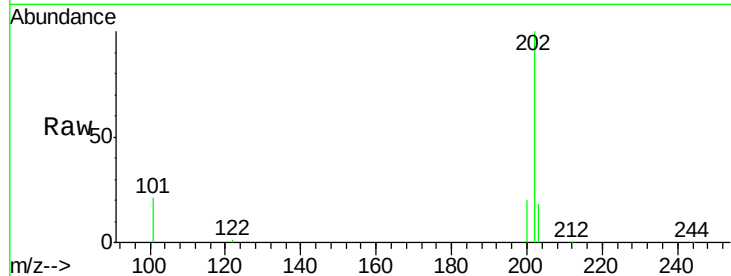
ClientSampleId :

SSTDICCC001

Tgt Ion:	202	Resp:	26021
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.1	24.1
203	17.4	13.9	20.9

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#18

Terphenyl-d14

Concen: 1.12 ng

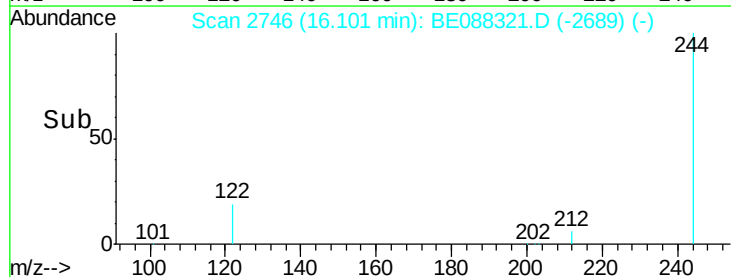
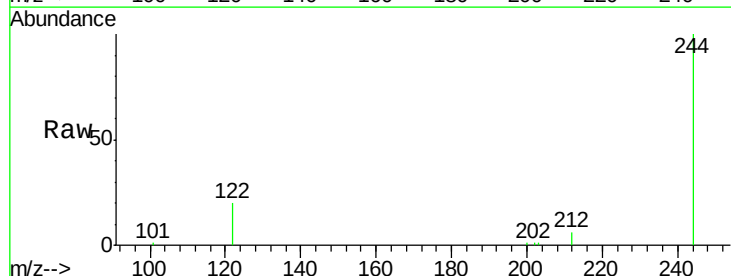
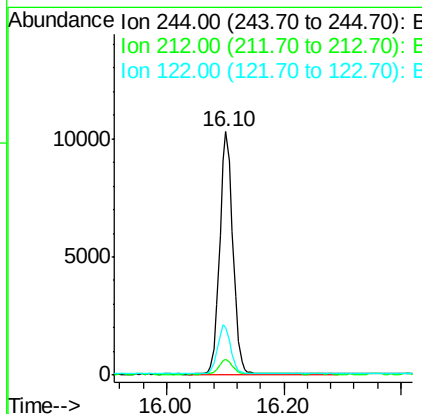
RT: 16.10 min Scan# 2746

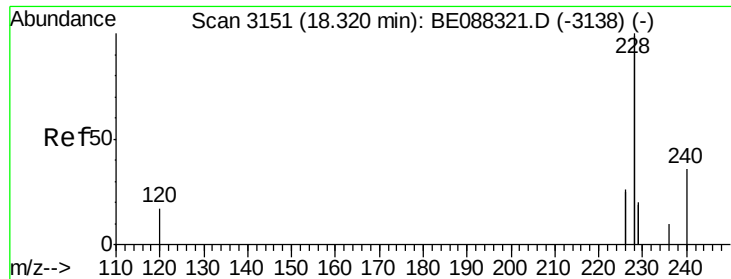
Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

Tgt Ion:	244	Resp:	16076
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.1	7.7
122	19.8	15.8	23.8





#19

Benzo(a)anthracene

Concen: 1.05 ng

RT: 18.32 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BE088321.D

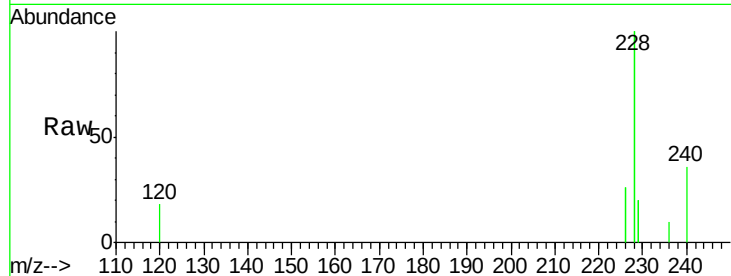
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

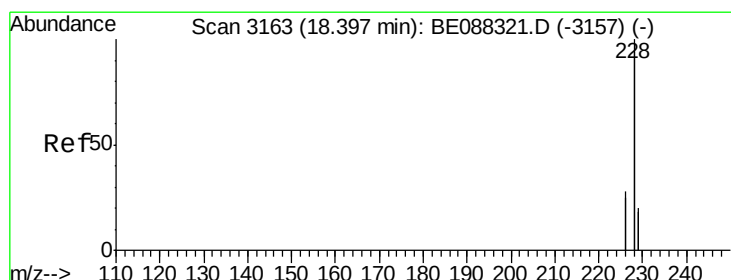
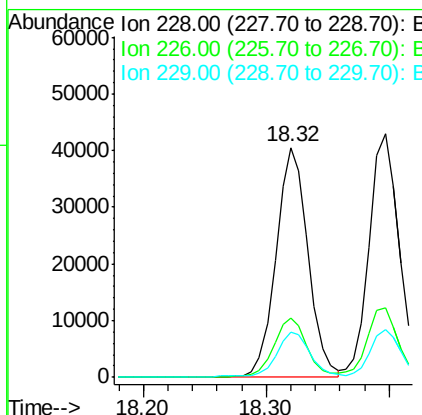
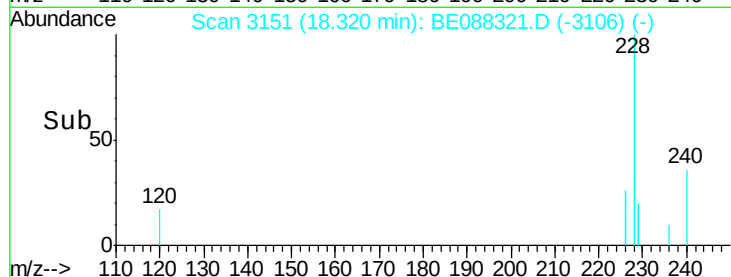
SSTDICCC001



Tgt Ion:	228	Resp:	72716
Ion Ratio	Lower	Upper	
228	100		
226	25.9	20.7	31.1
229	19.6	15.7	23.5

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#20

Chrysene

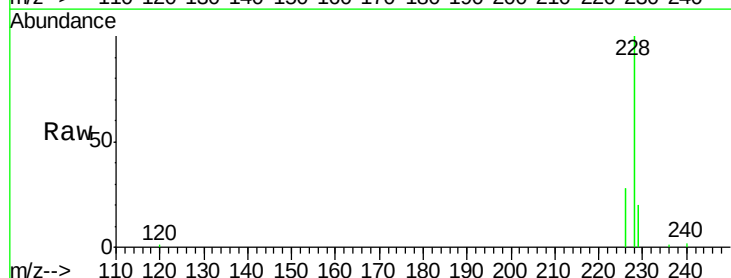
Concen: 0.94 ng

RT: 18.40 min Scan# 3163

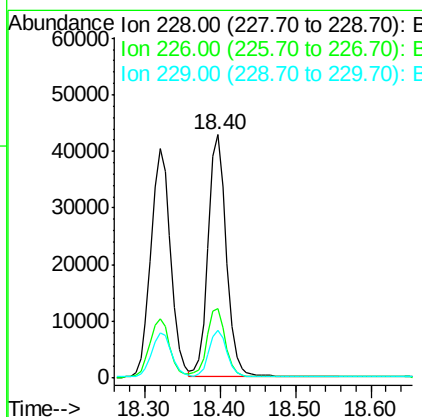
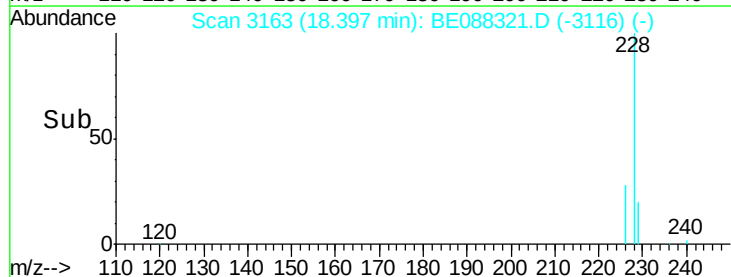
Delta R.T. 0.00 min

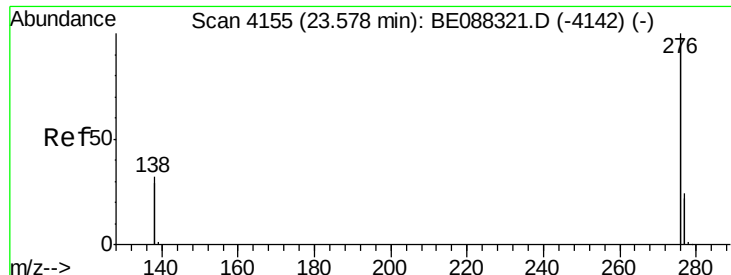
Lab File: BE088321.D

Acq: 27 Oct 2014 19:42



Tgt Ion:	228	Resp:	72350
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.7	34.1
229	19.5	15.6	23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.07 ng m

RT: 23.58 min Scan# 4155

Delta R.T. 0.00 min

Lab File: BE088321.D

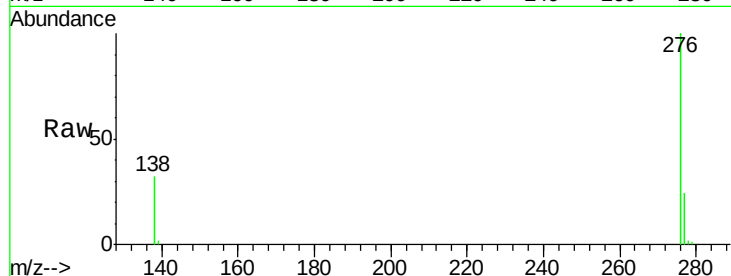
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion: 276 Resp: 62166

Ion Ratio Lower Upper

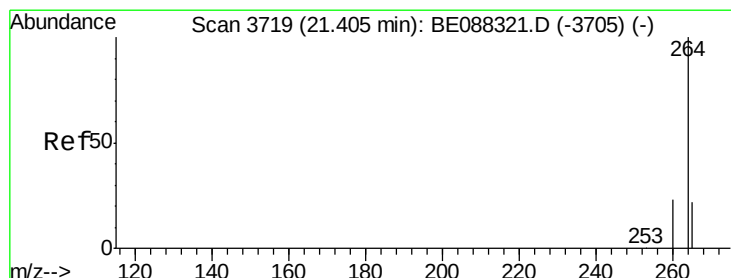
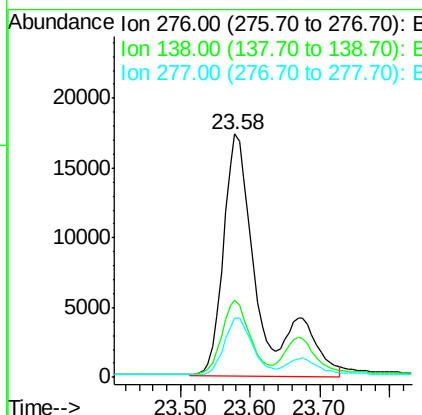
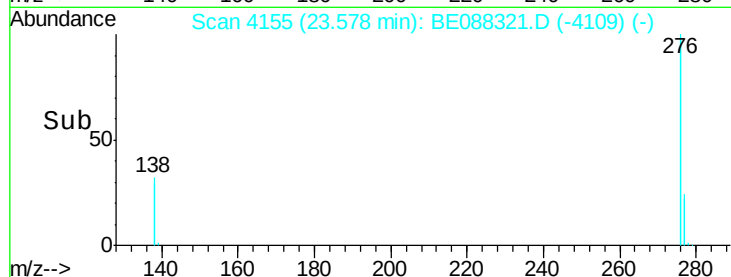
276 100

138 23.8 24.6 37.0#

277 18.4 19.0 28.6#

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.41 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

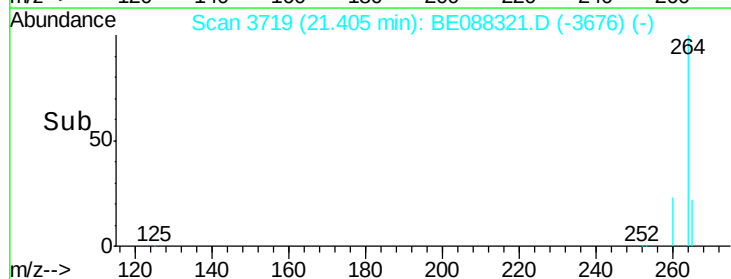
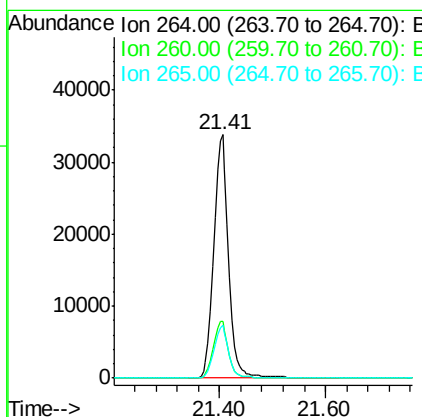
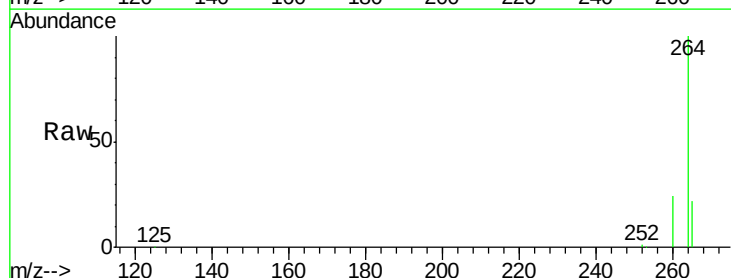
Tgt Ion: 264 Resp: 65339

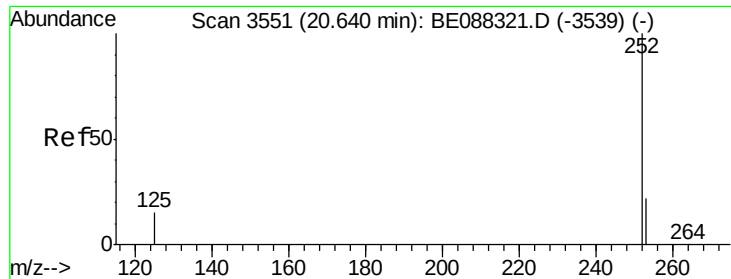
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.7 17.4 26.0





#23

Benzo(b)fluoranthene

Concen: 1.33 ng

RT: 20.64 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE088321.D

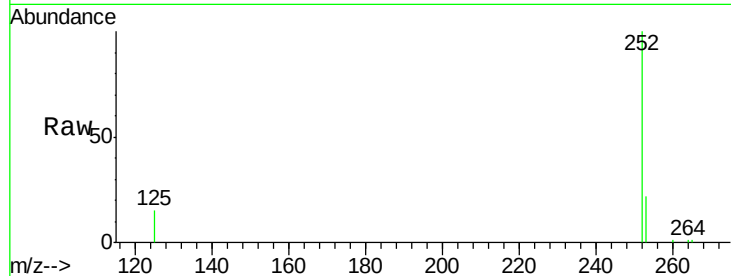
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

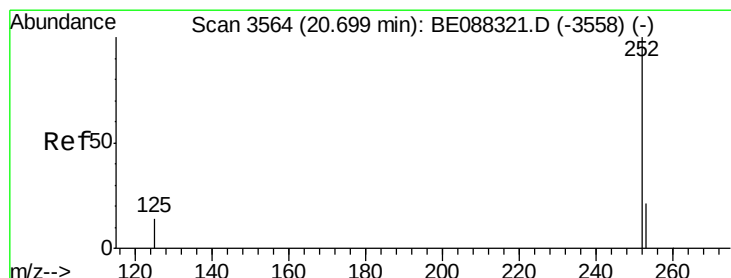
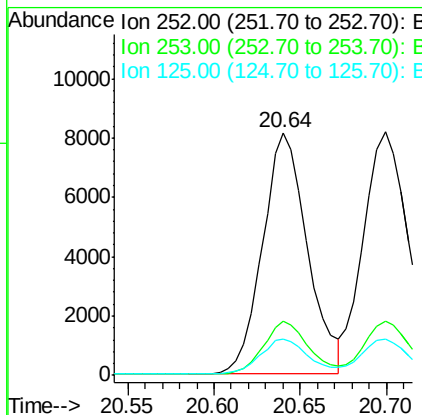
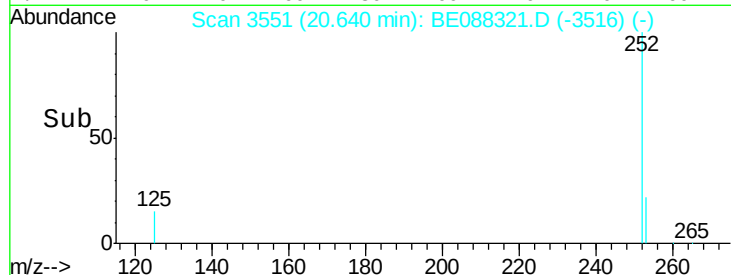
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	15.2	12.2	18.2

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#24

Benzo(k)fluoranthene

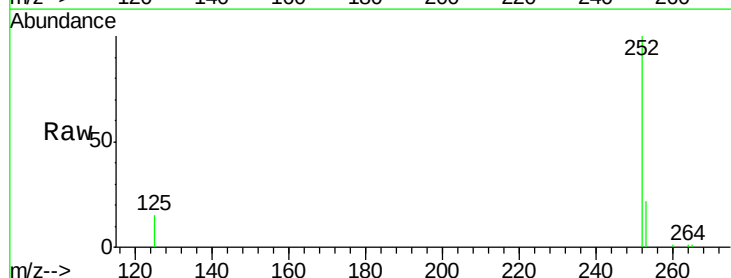
Concen: 0.95 ng

RT: 20.70 min Scan# 3564

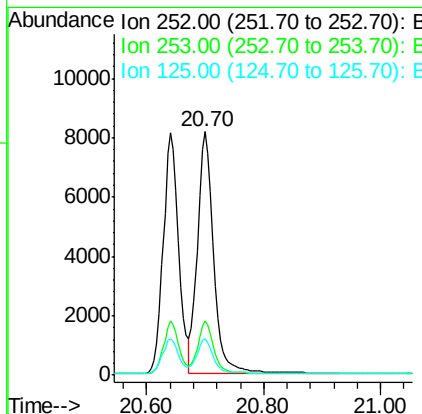
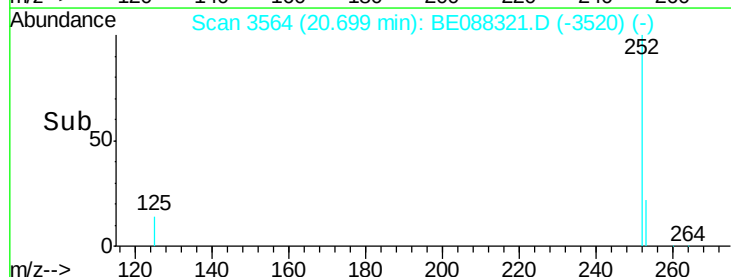
Delta R.T. 0.00 min

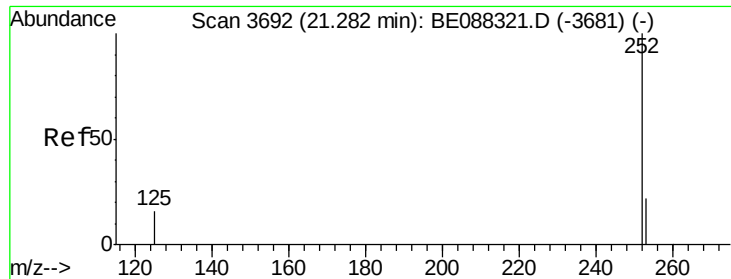
Lab File: BE088321.D

Acq: 27 Oct 2014 19:42



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	14.9	11.9	17.9





#25

Benzo(a)pyrene

Concen: 1.26 ng

RT: 21.28 min Scan# 3692

Delta R.T. 0.00 min

Lab File: BE088321.D

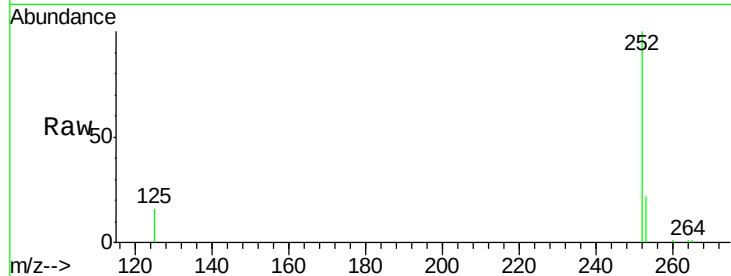
Acq: 27 Oct 2014 19:42

Instrument :

BNA_E

ClientSampleId :

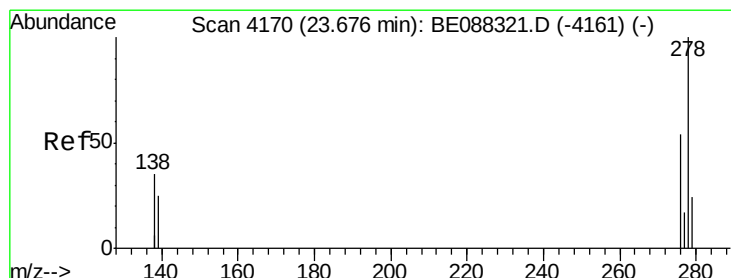
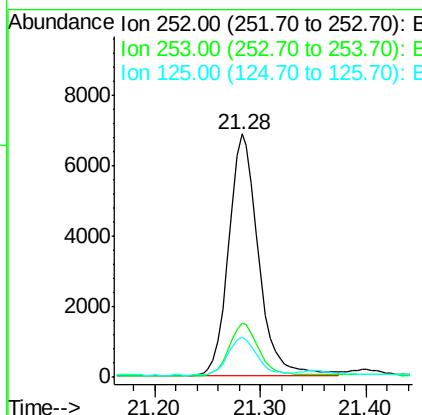
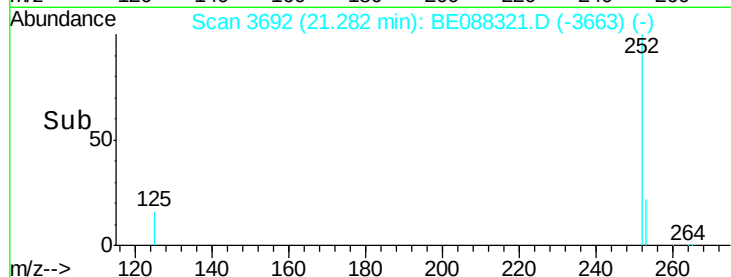
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	16.5	13.2	19.8

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#26

Dibenzo(a,h)anthracene

Concen: 1.23 ng

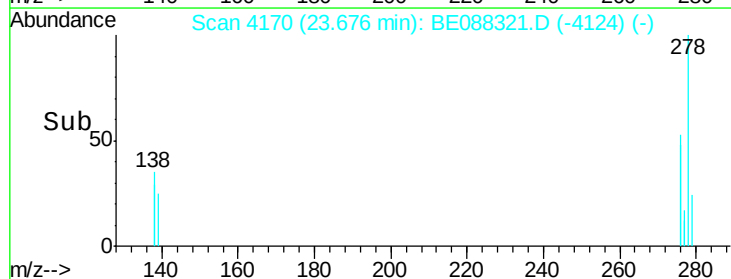
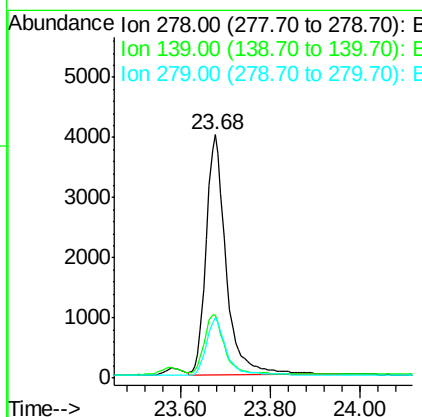
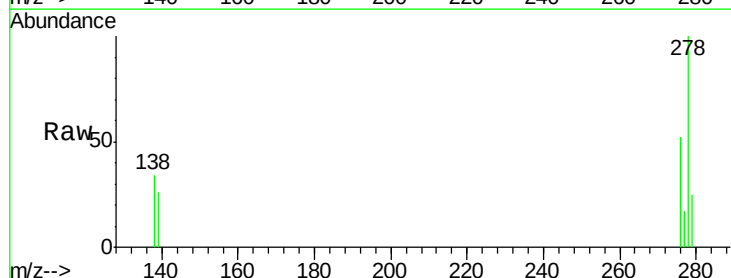
RT: 23.68 min Scan# 4170

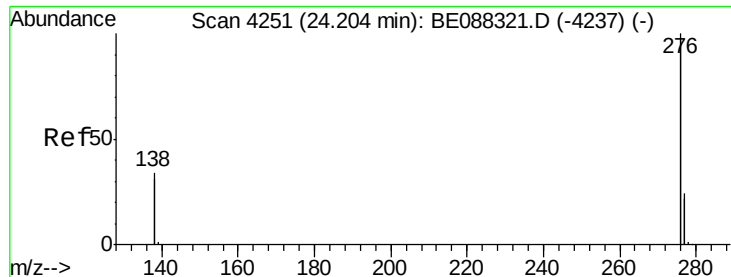
Delta R.T. 0.00 min

Lab File: BE088321.D

Acq: 27 Oct 2014 19:42

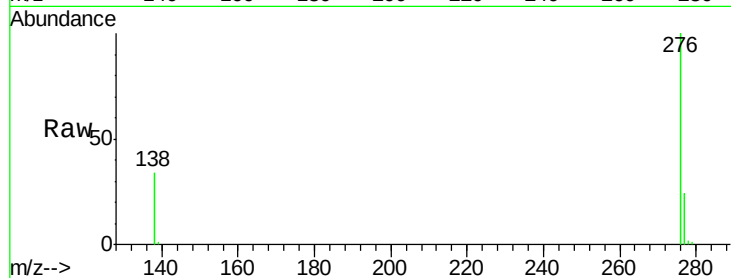
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	21.0	31.4
279	24.8	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 1.04 ng
 RT: 24.20 min Scan# 4251
 Delta R.T. 0.00 min
 Lab File: BE088321.D
 Acq: 27 Oct 2014 19:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	33.7	27.0	40.4

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