

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088212.D
 Acq On : 24 Oct 2014 14:54
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Manual Integrations
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 10/28/2014 12:22:18 PM

Quant Time: Oct 27 12:51:56 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 12:38:23 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	56013	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	216263	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	98675	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	175743	5.00	ng	0.00
16) Chrysene-d12	18.35	240	98346	5.00	ng	0.00
22) Perylene-d12	21.40	264	87841	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	29926	2.25	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	56931	2.07	ng	0.00
18) Terphenyl-d14	16.11	244	34954	2.17	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.40	88	16131	2.05	ng	100
5) Naphthalene	8.70	128	90554	2.06	ng	99
6) 2-Methylnaphthalene	9.55	142	56417	2.13	ng	99
9) Acenaphthylene	10.64	152	317980	2.16	ng	100
10) Acenaphthene	10.86	154	46655	2.00	ng	98
11) Fluorene	11.52	166	50854	2.14	ng	100
13) Phenanthrene	12.97	178	334724	2.31	ng	97
14) Anthracene	13.06	178	264596	2.11	ng	100
15) Fluoranthene	15.21	202	55055	2.14	ng	100
17) Pyrene	15.67	202	59336	2.20	ng	100
19) Benzo(a)anthracene	18.33	228	161265	2.08	ng	100
20) Chrysene	18.40	228	178587	2.03	ng	100
21) Indeno(1,2,3-cd)pyrene	23.58	276	154689m	1.99	ng	
23) Benzo(b)fluoranthene	20.64	252	34063	2.37	ng	99
24) Benzo(k)fluoranthene	20.70	252	47473	2.09	ng	99
25) Benzo(a)pyrene	21.28	252	33359	2.35	ng	99
26) Dibenzo(a,h)anthracene	23.68	278	30326	2.26	ng	97
27) Benzo(g,h,i)perylene	24.20	276	152272	2.16	ng	99

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

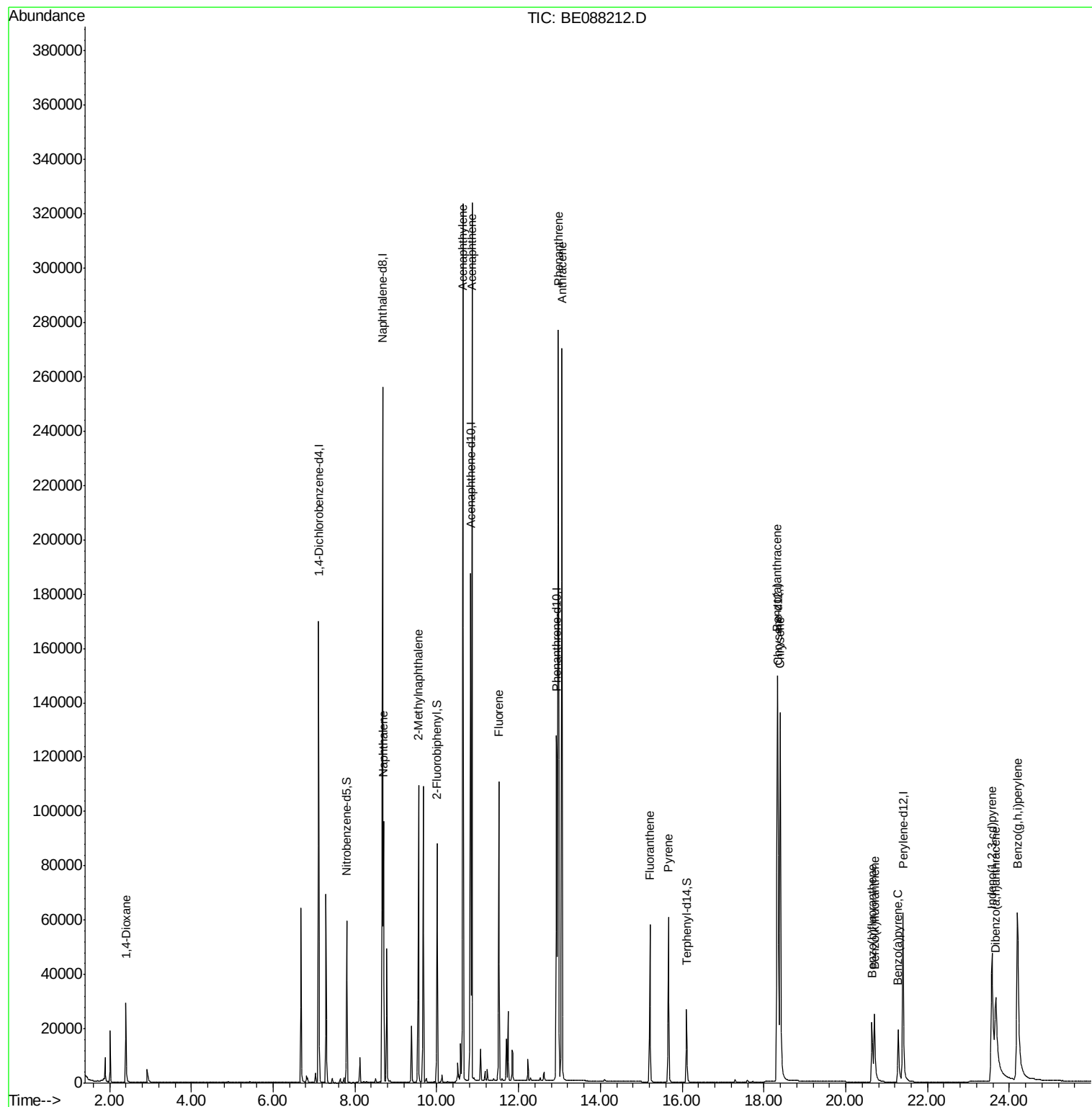
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
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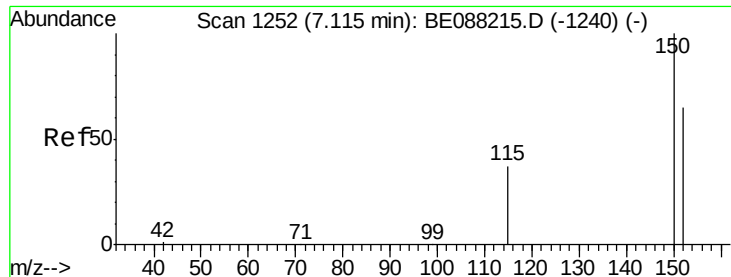
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088212.D

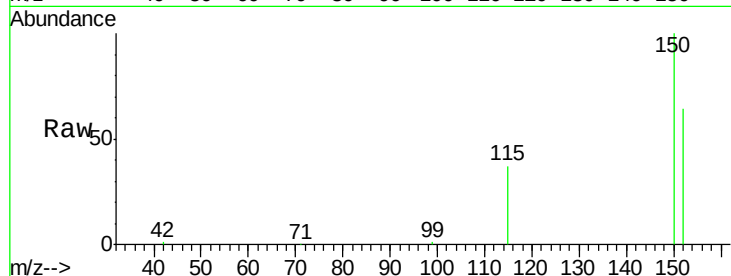
Acq: 24 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

SSTDICC002



Tgt Ion:152 Resp: 56013

Ion Ratio Lower Upper

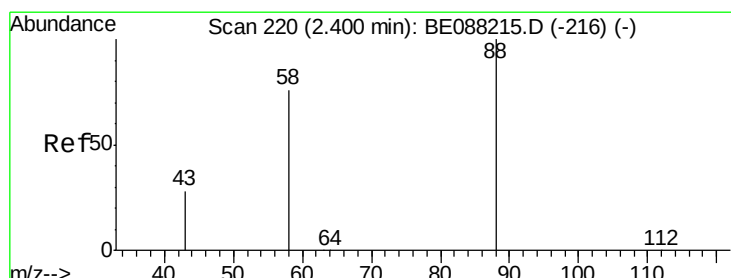
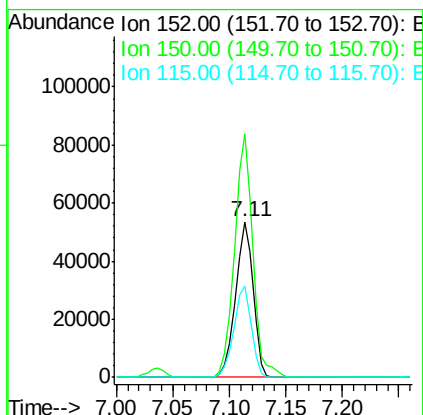
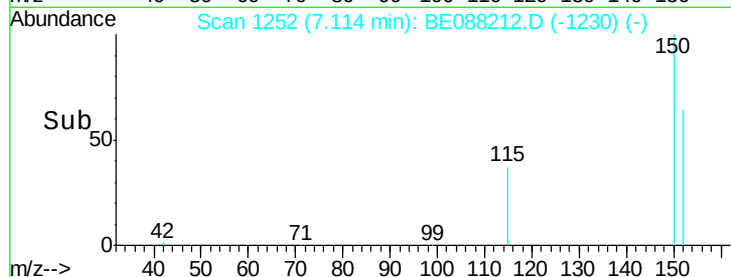
152 100

150 156.3 123.2 184.8

115 58.6 45.3 67.9

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#2

1,4-Dioxane

Concen: 2.05 ng

RT: 2.40 min Scan# 220

Delta R.T. -0.00 min

Lab File: BE088212.D

Acq: 24 Oct 2014 14:54

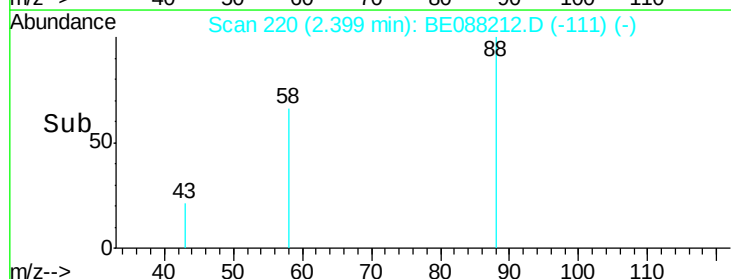
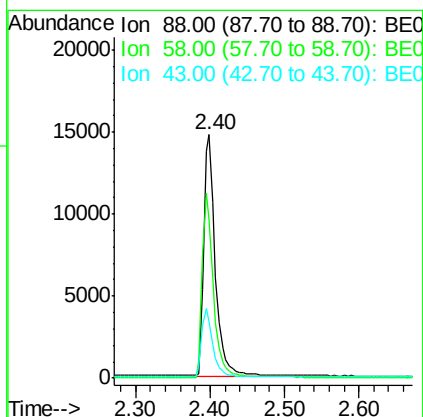
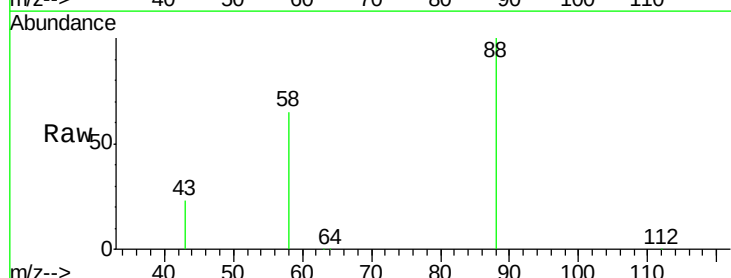
Tgt Ion: 88 Resp: 16131

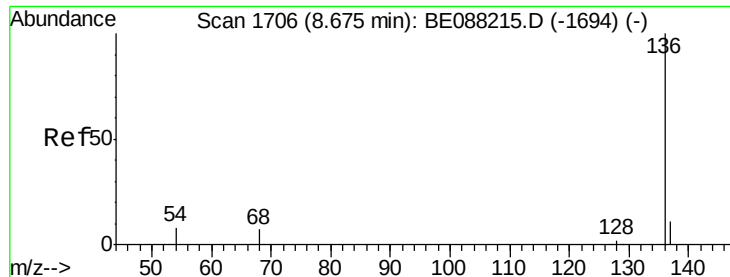
Ion Ratio Lower Upper

88 100

58 74.3 59.0 88.4

43 27.4 21.9 32.9





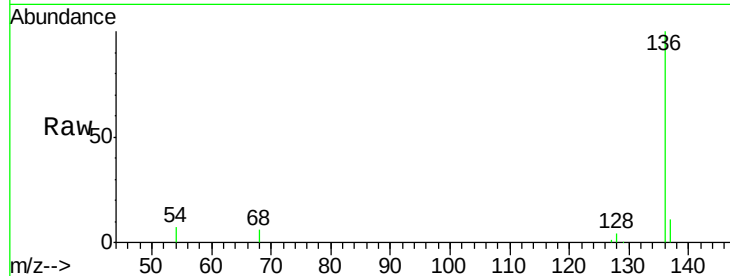
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

Instrument :
BNA_E
ClientSampleId :
SSTDIC002

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	216263		
137	11.1	8.7	13.1	
54	6.9	6.1	9.1	

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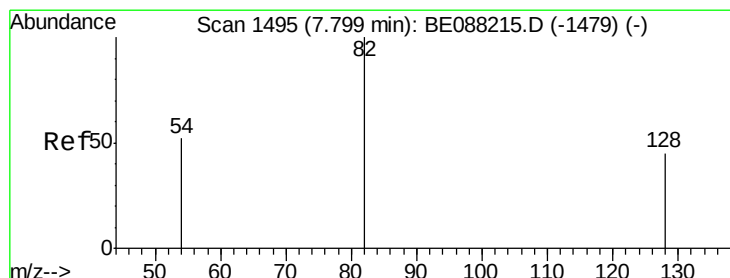
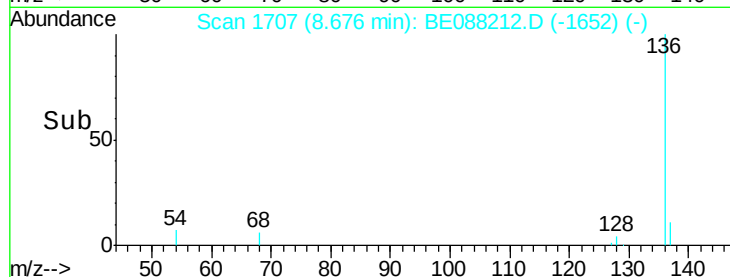
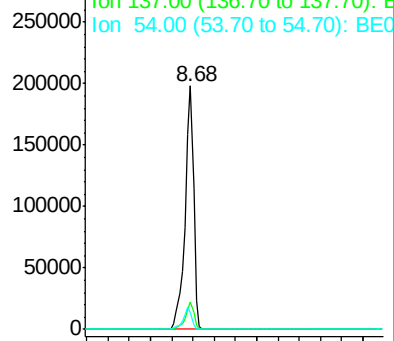
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Abundance Ion 136.00 (135.70 to 136.70): BE088212.D (-1652) (-)

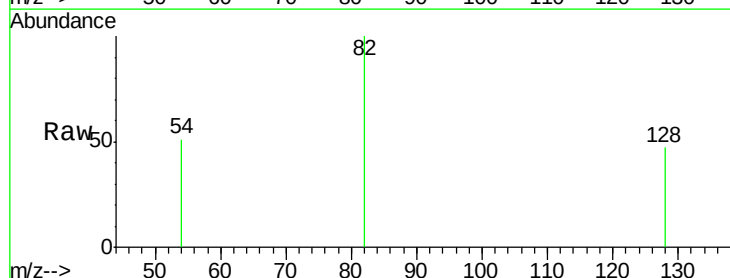
Ion 137.00 (136.70 to 137.70): BE088212.D (-1652) (-)

Ion 54.00 (53.70 to 54.70): BE088212.D (-1652) (-)



#4
Nitrobenzene-d5
Concen: 2.25 ng
RT: 7.80 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

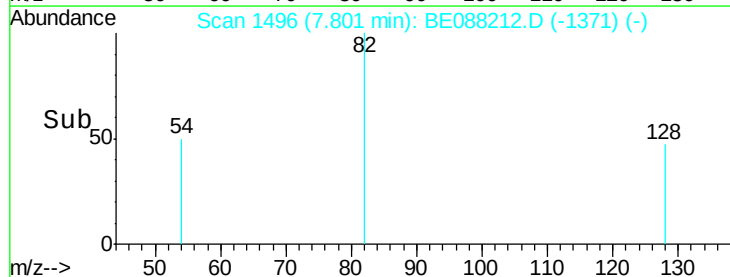
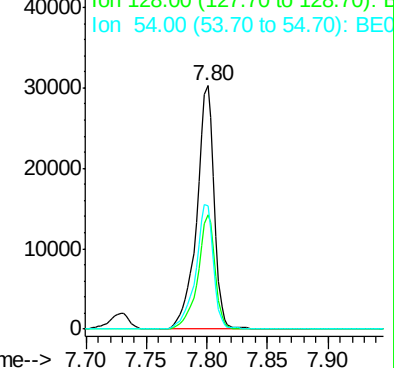
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	29926		
128	47.0	36.2	54.2	
54	50.5	41.8	62.8	

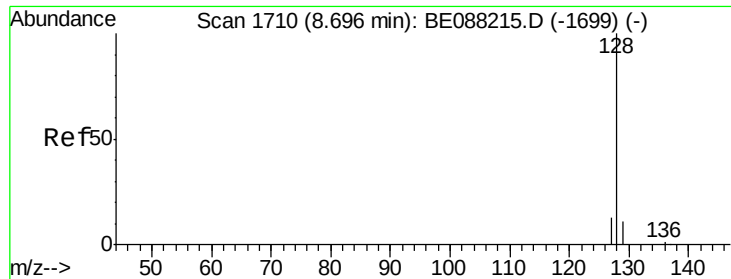


Abundance Ion 82.00 (81.70 to 82.70): BE088212.D (-1371) (-)

Ion 128.00 (127.70 to 128.70): BE088212.D (-1371) (-)

Ion 54.00 (53.70 to 54.70): BE088212.D (-1371) (-)





#5

Naphthalene

Concen: 2.06 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088212.D

Acq: 24 Oct 2014 14:54

Instrument :

BNA_E

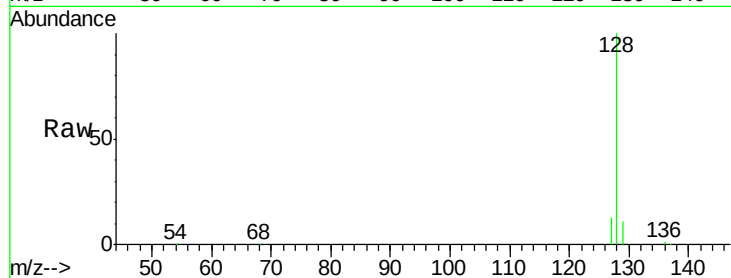
ClientSampleId :

SSTDICC002

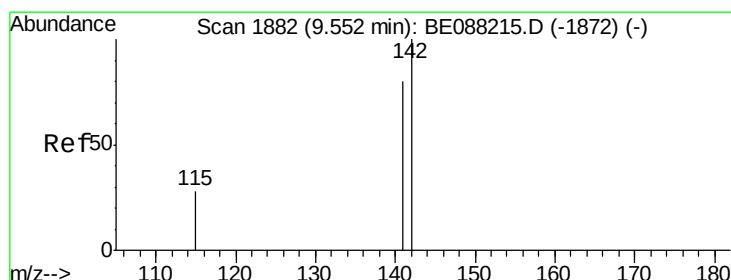
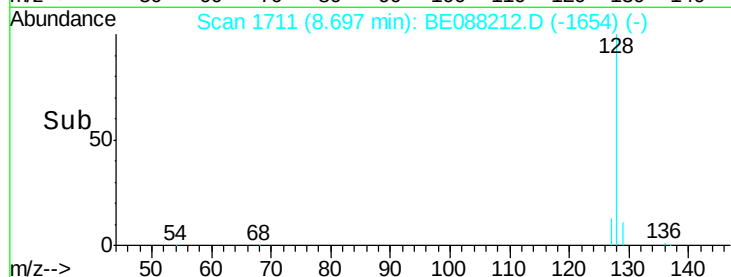
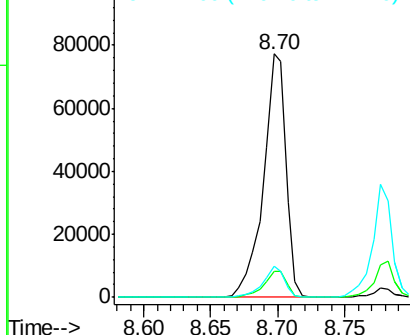
Tgt Ion:	128	Resp:	90554
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.6	12.8
127	12.7	10.4	15.6

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



#6

2-Methylnaphthalene

Concen: 2.13 ng

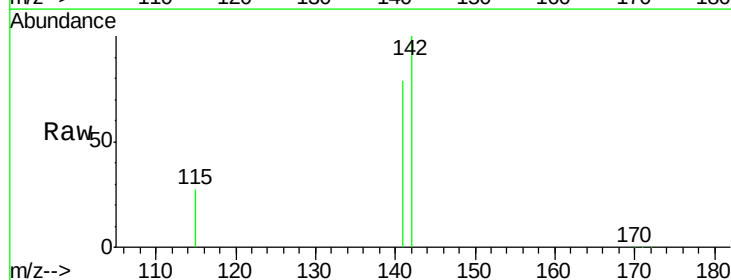
RT: 9.55 min Scan# 1883

Delta R.T. 0.00 min

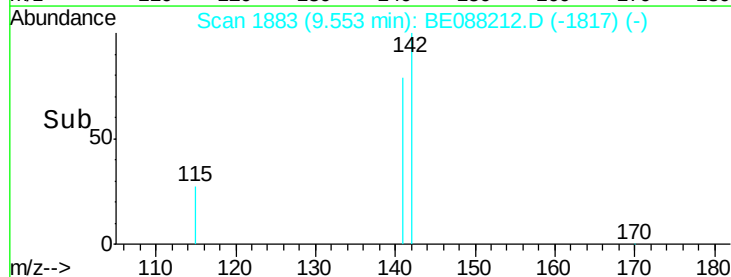
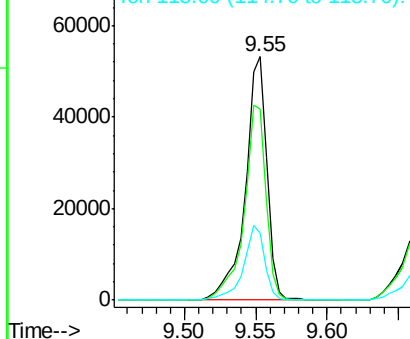
Lab File: BE088212.D

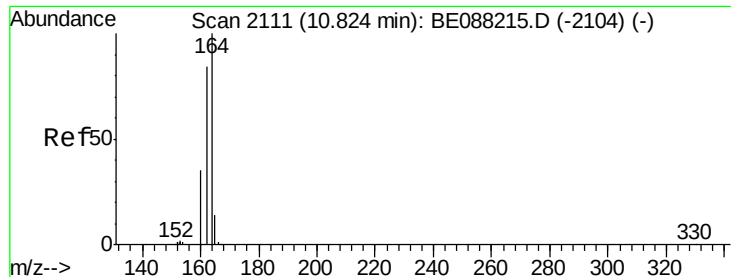
Acq: 24 Oct 2014 14:54

Tgt Ion:	142	Resp:	56417
Ion Ratio	Lower	Upper	
142	100		
141	78.7	63.7	95.5
115	27.4	22.6	34.0



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





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.83 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088212.D

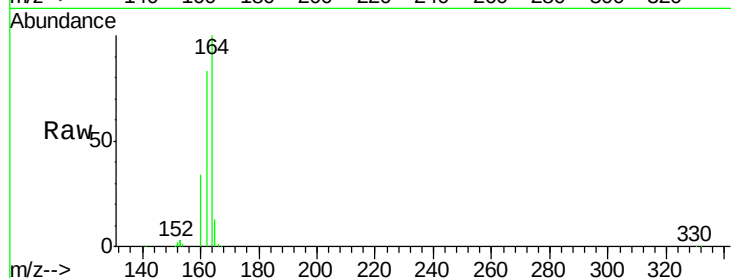
Acq: 24 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

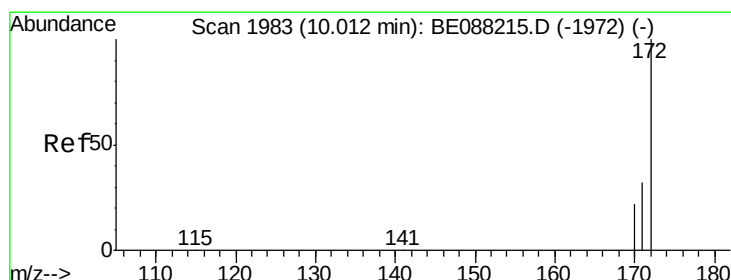
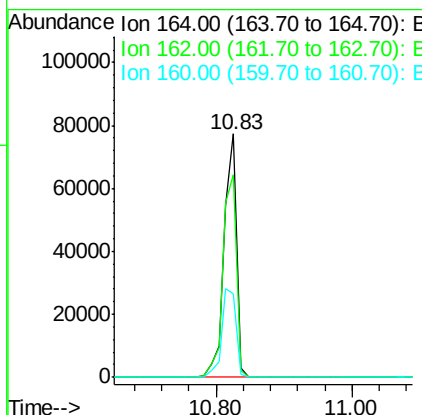
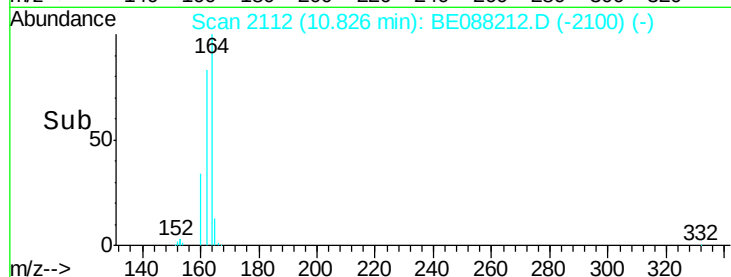
SSTDICC002



Tgt Ion:	164	Resp:	98675
Ion Ratio	Lower	Upper	
164	100		
162	83.1	67.4	101.0
160	34.3	27.7	41.5

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#8

2-Fluorobiphenyl

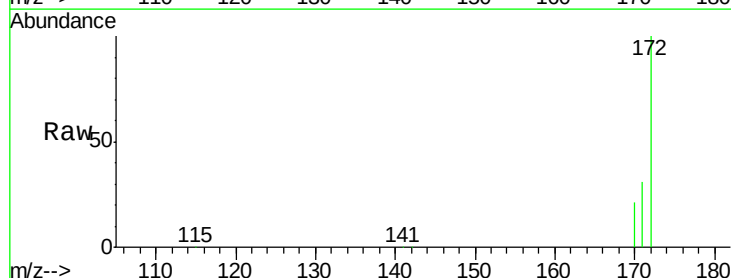
Concen: 2.07 ng

RT: 10.01 min Scan# 1984

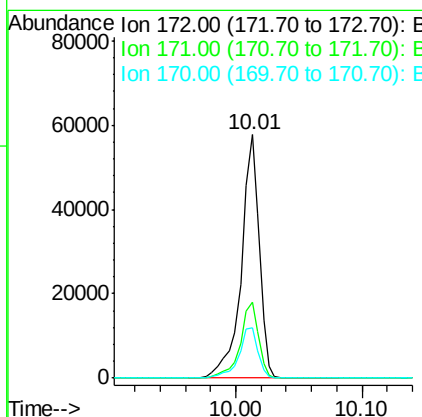
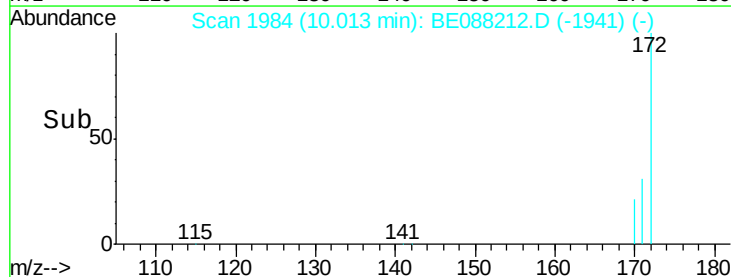
Delta R.T. 0.00 min

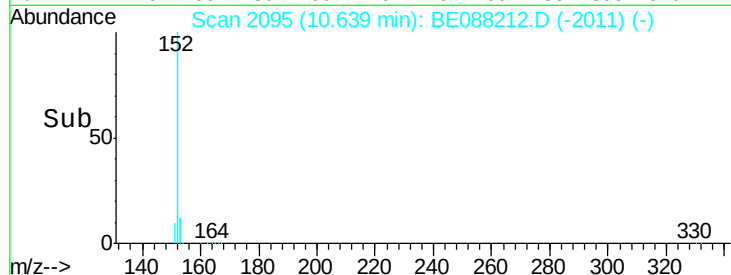
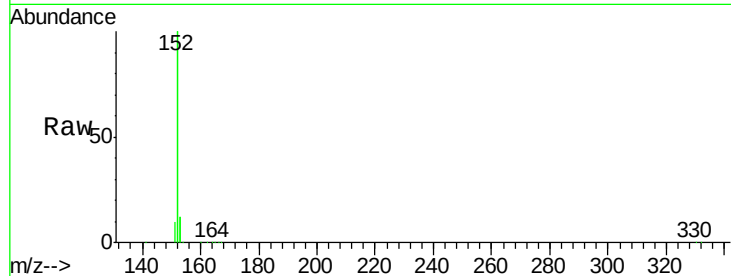
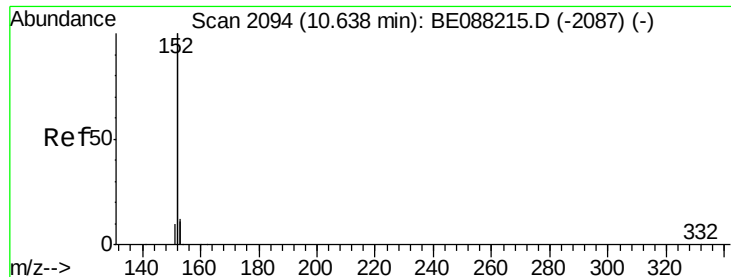
Lab File: BE088212.D

Acq: 24 Oct 2014 14:54



Tgt Ion:	172	Resp:	56931
Ion Ratio	Lower	Upper	
172	100		
171	31.1	25.8	38.6
170	20.9	17.4	26.0





#9

Acenaphthylene

Concen: 2.16 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088212.D

Acq: 24 Oct 2014 14:54

Tgt Ion:	152	Resp:	317980
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.3	15.5

Instrument :

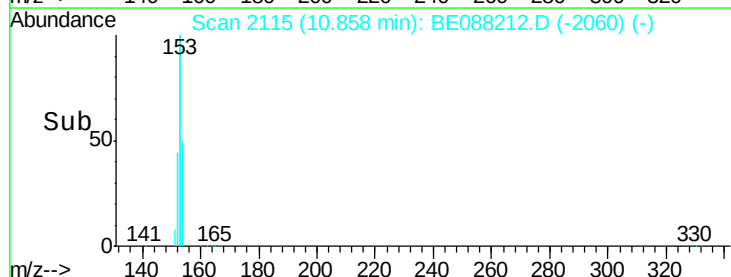
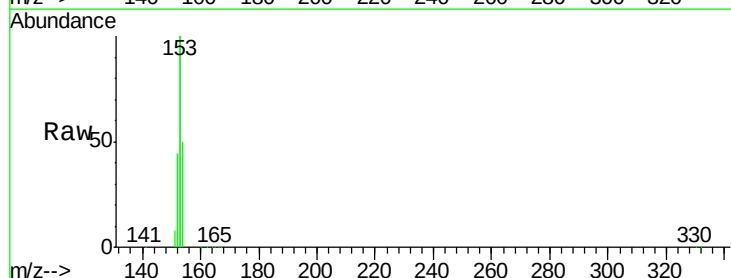
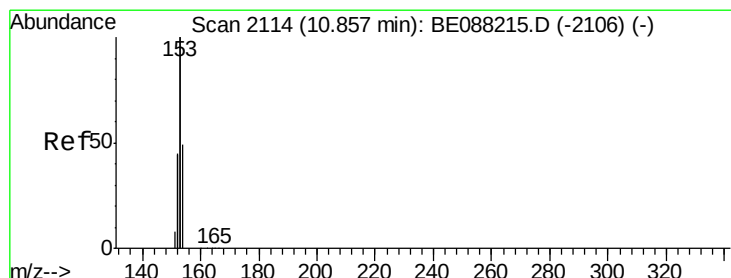
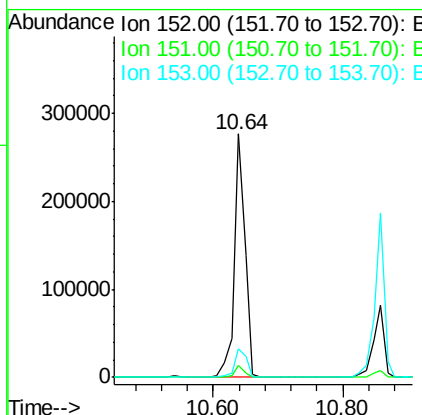
BNA_E

ClientSampleId :

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#10

Acenaphthene

Concen: 2.00 ng

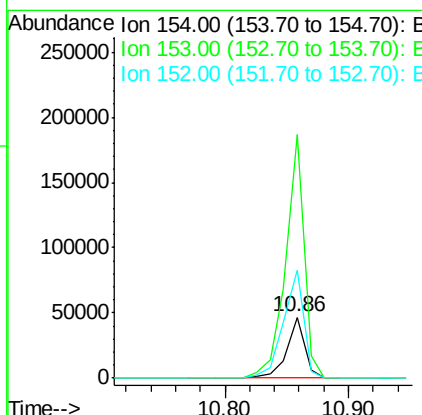
RT: 10.86 min Scan# 2115

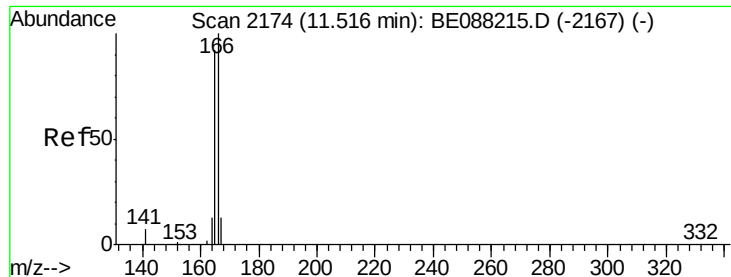
Delta R.T. 0.00 min

Lab File: BE088212.D

Acq: 24 Oct 2014 14:54

Tgt Ion:	154	Resp:	46655
Ion Ratio	Lower	Upper	
154	100		
153	411.0	326.0	489.0
152	198.1	155.6	233.4





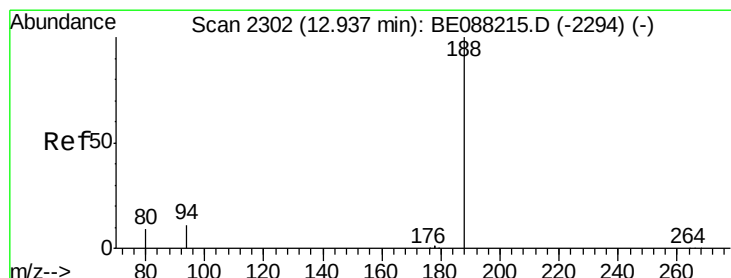
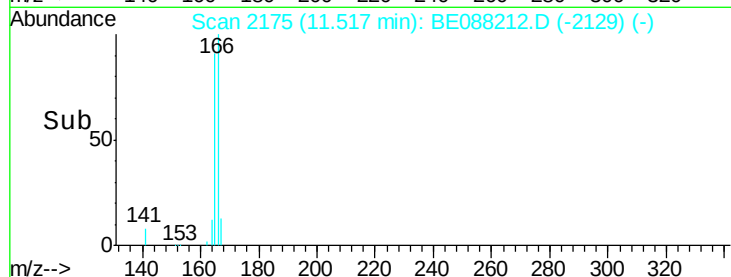
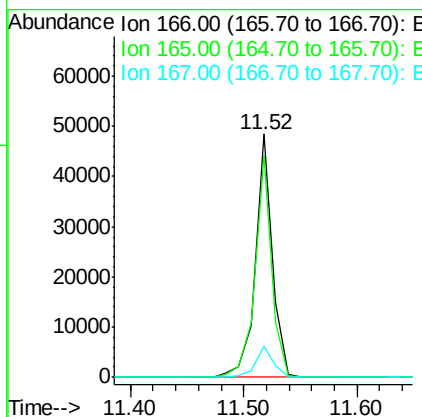
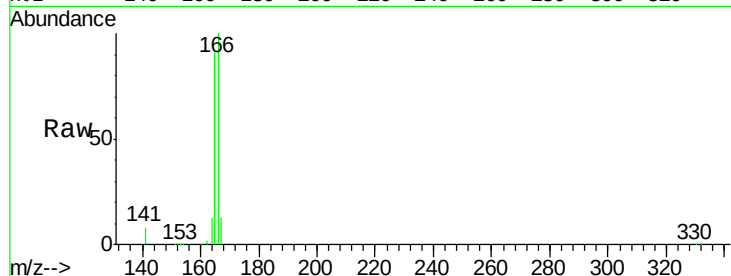
#11
 Fluorene
 Concen: 2.14 ng
 RT: 11.52 min Scan# 2175
 Delta R.T. 0.00 min
 Lab File: BE088212.D
 Acq: 24 Oct 2014 14:54

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	71.8	107.6
167	13.3	10.7	16.1

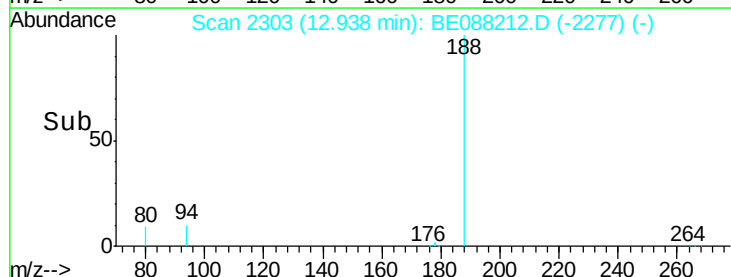
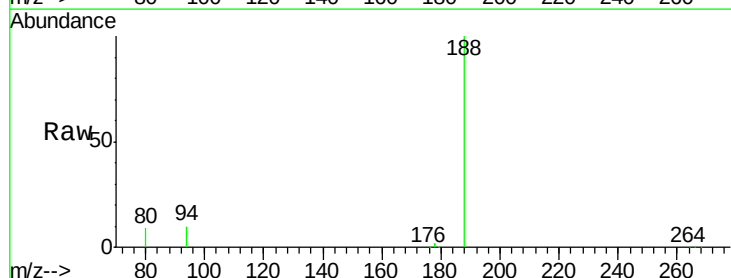
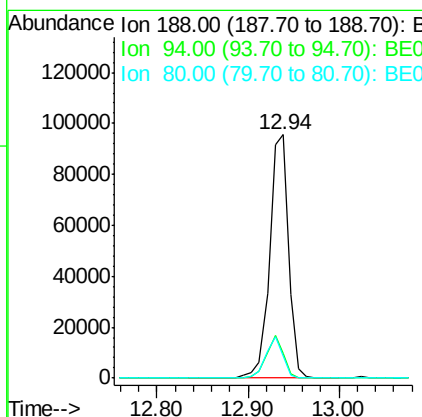
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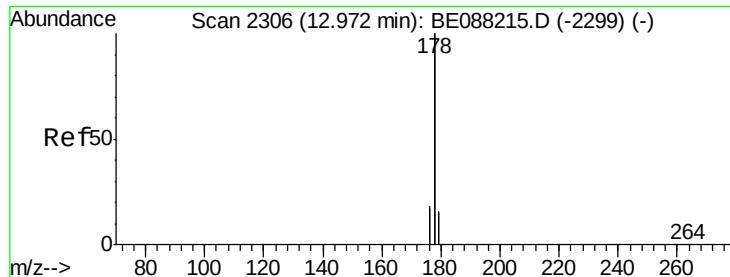
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#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.94 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BE088212.D
 Acq: 24 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	9.1	7.4	11.0





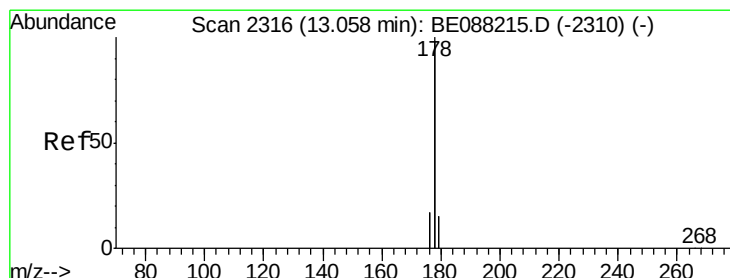
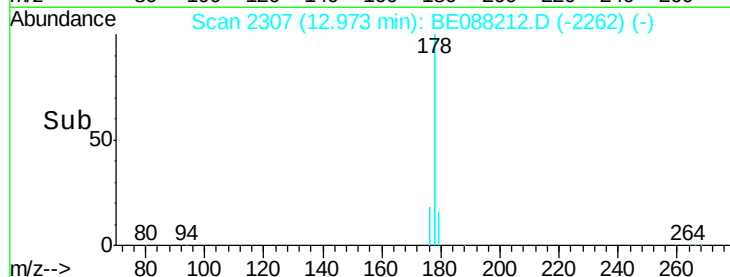
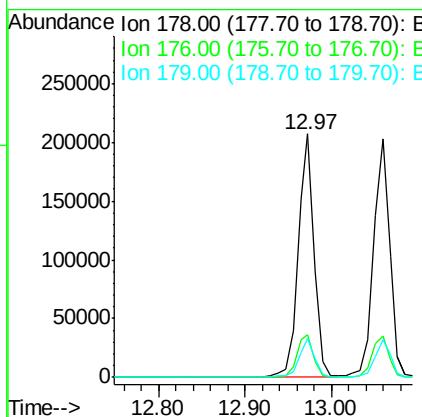
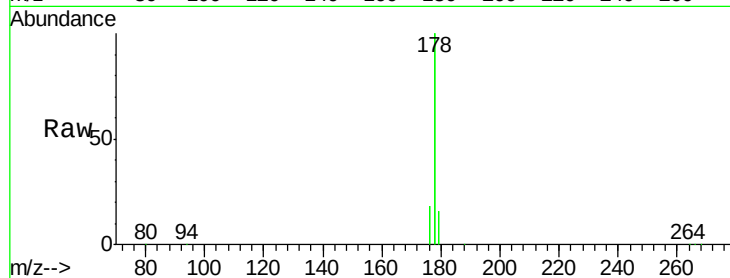
#13
Phenanthrene
Concen: 2.31 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.0	21.0
179	15.8	11.8	17.6

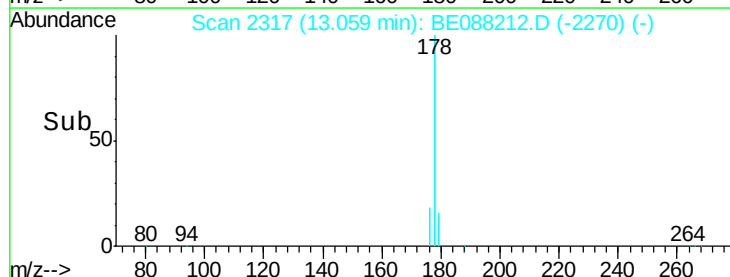
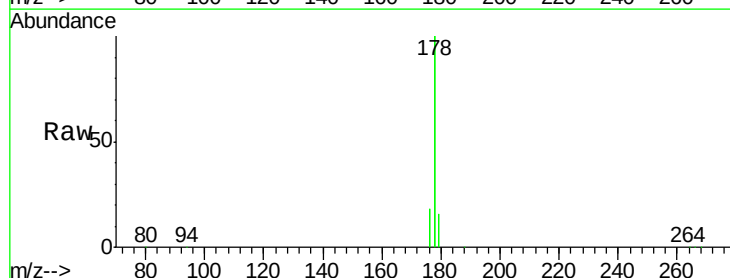
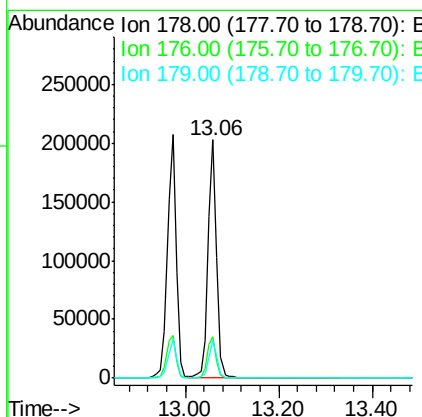
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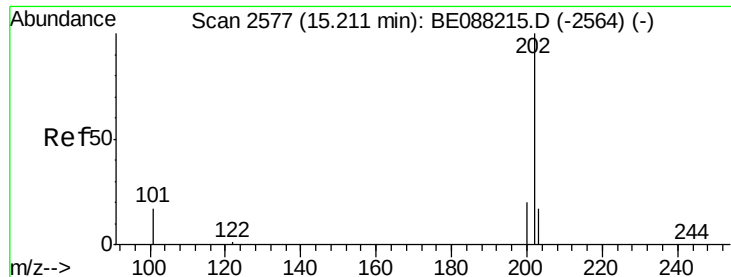
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#14
Anthracene
Concen: 2.11 ng
RT: 13.06 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.6	12.3	18.5





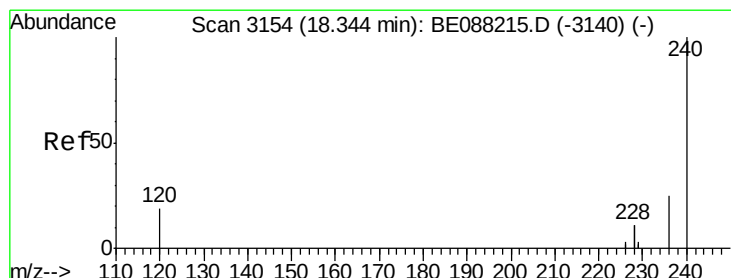
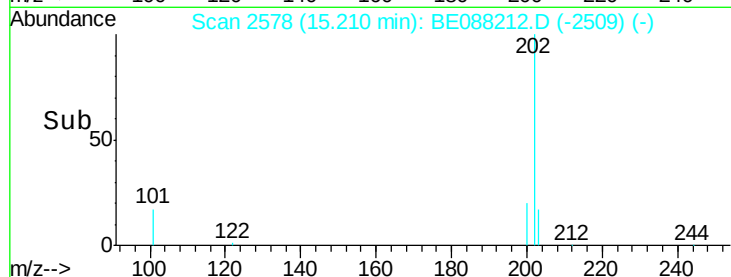
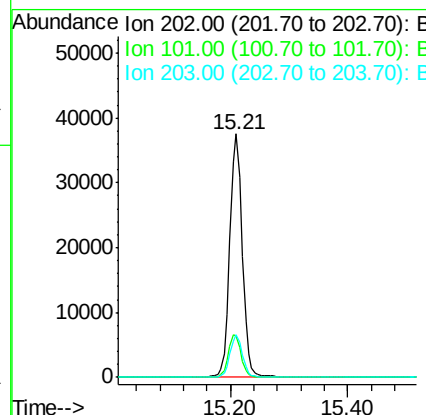
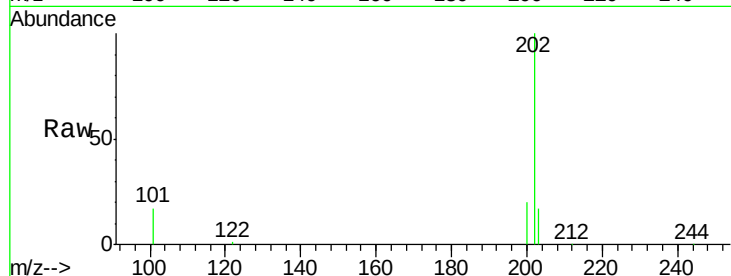
#15
 Fluoranthene
 Concen: 2.14 ng
 RT: 15.21 min Scan# 2578
 Delta R.T. -0.00 min
 Lab File: BE088212.D
 Acq: 24 Oct 2014 14:54

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	17.9	14.4	21.6
203	17.1	13.4	20.2

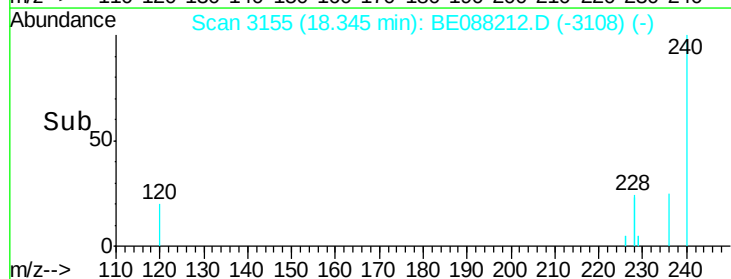
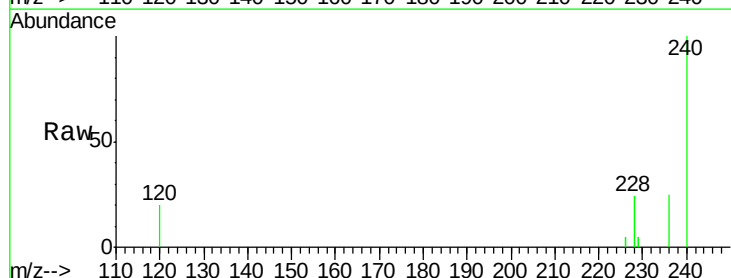
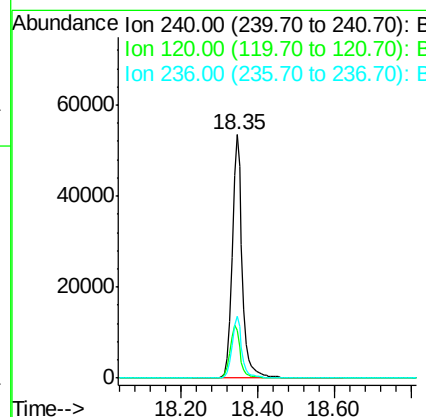
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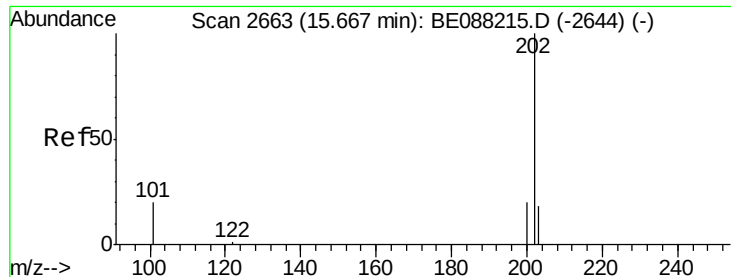
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.35 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BE088212.D
 Acq: 24 Oct 2014 14:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	19.7	15.1	22.7
236	25.3	20.1	30.1





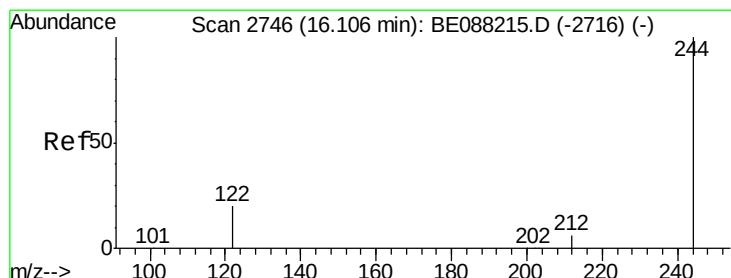
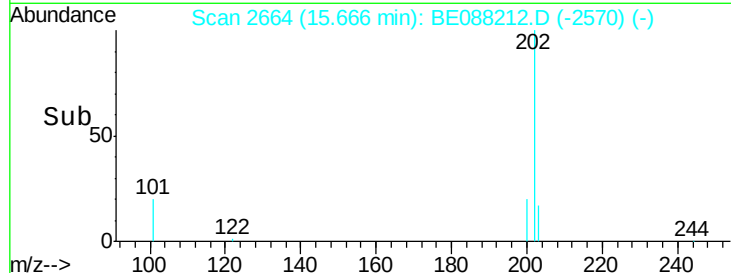
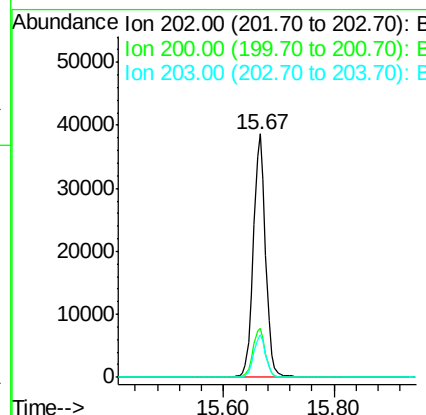
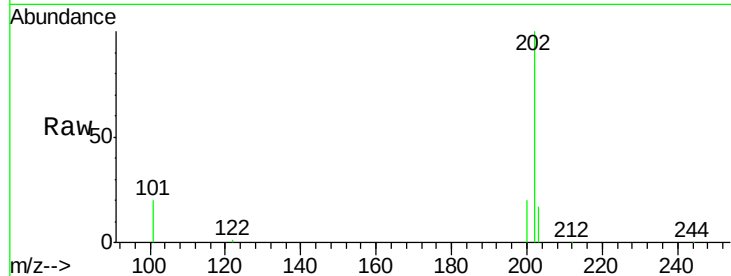
#17
 Pyrene
 Concen: 2.20 ng
 RT: 15.67 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: BE088212.D
 Acq: 24 Oct 2014 14:54

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	16.2	24.2
203	17.4	13.8	20.8

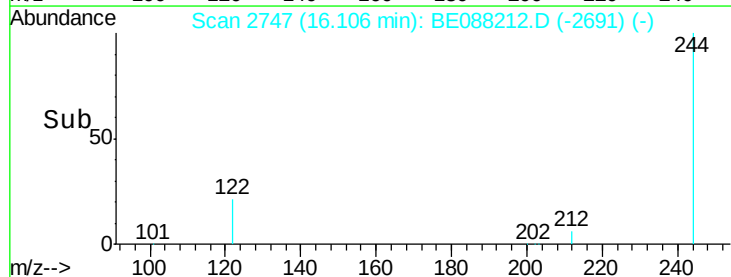
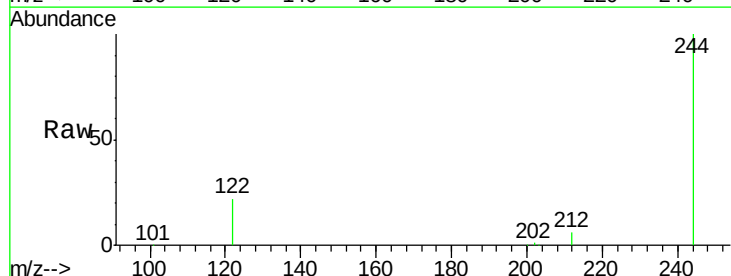
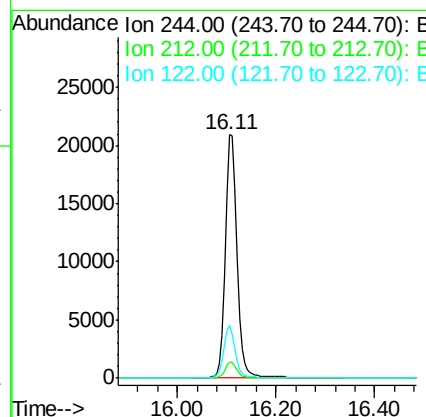
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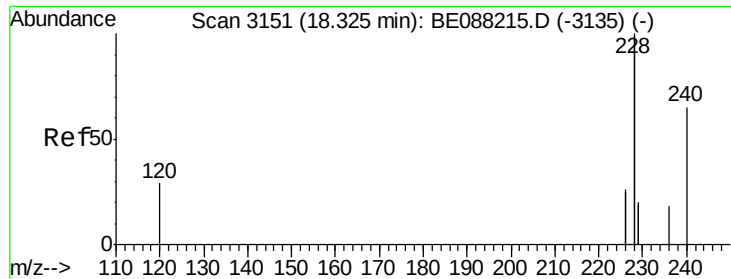
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#18
 Terphenyl-d14
 Concen: 2.17 ng
 RT: 16.11 min Scan# 2747
 Delta R.T. -0.00 min
 Lab File: BE088212.D
 Acq: 24 Oct 2014 14:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.5	5.4	8.2
122	21.5	16.7	25.1





#19

Benzo(a)anthracene

Concen: 2.08 ng

RT: 18.33 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BE088212.D

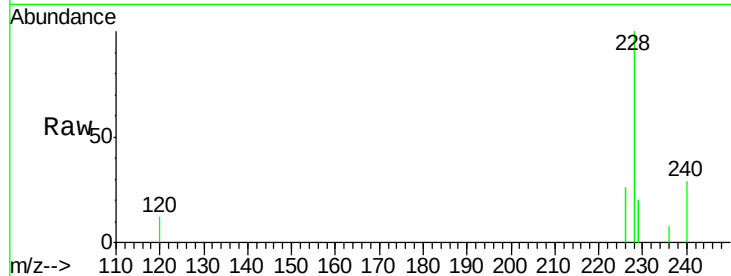
Acq: 24 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

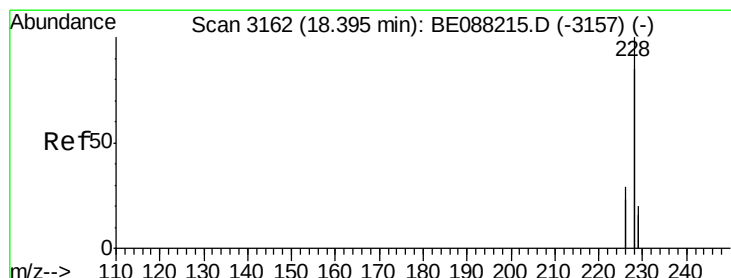
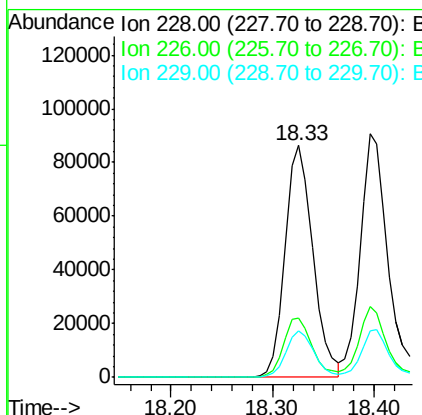
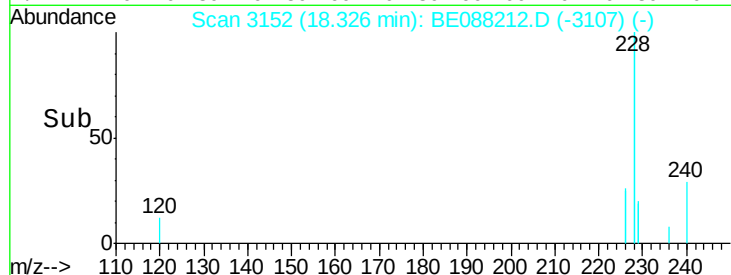
SSTDICC002



Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.7	20.5	30.7
229	19.8	16.1	24.1

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#20

Chrysene

Concen: 2.03 ng

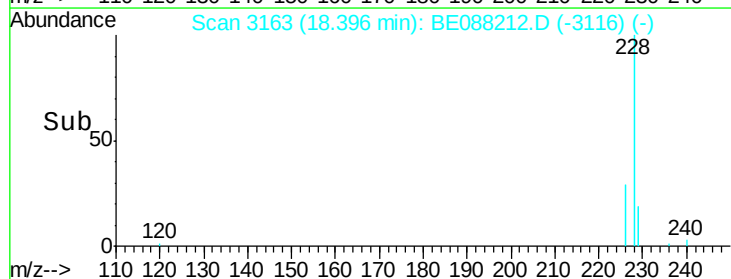
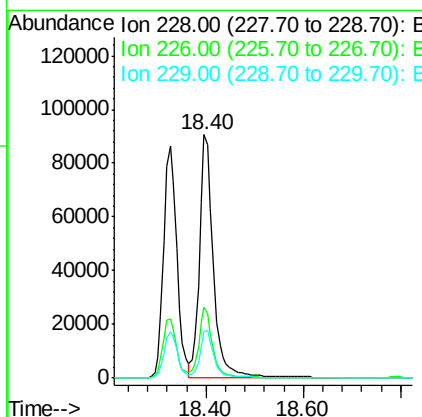
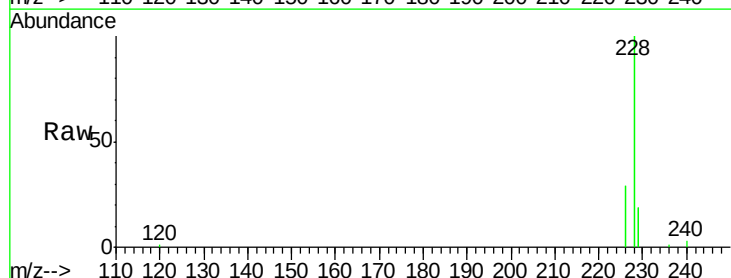
RT: 18.40 min Scan# 3163

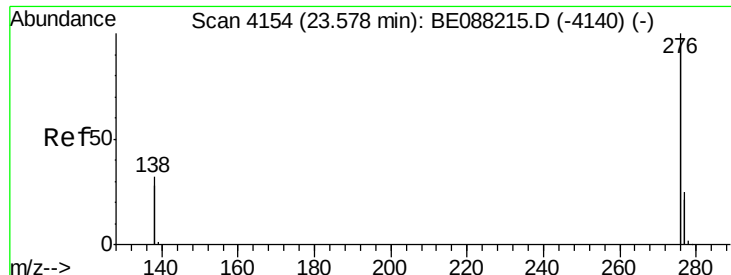
Delta R.T. 0.00 min

Lab File: BE088212.D

Acq: 24 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.0	15.6	23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.99 ng m

RT: 23.58 min Scan# 4155

Delta R.T. -0.00 min

Lab File: BE088212.D

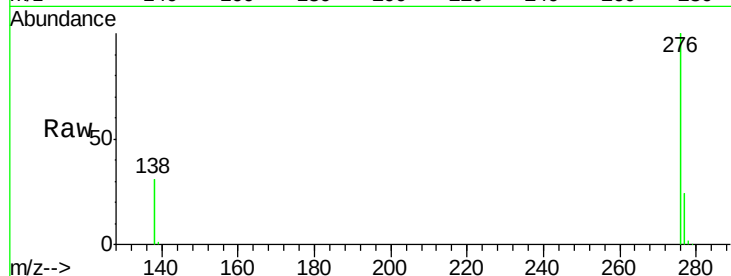
Acq: 24 Oct 2014 14:54

Instrument :

BNA_E

ClientSampleId :

SSTDIC002



Tgt Ion: 276 Resp: 154689

Ion Ratio Lower Upper

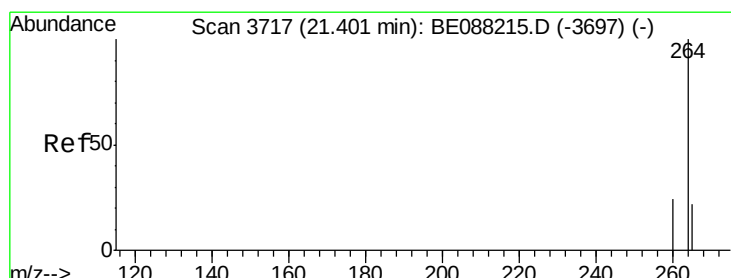
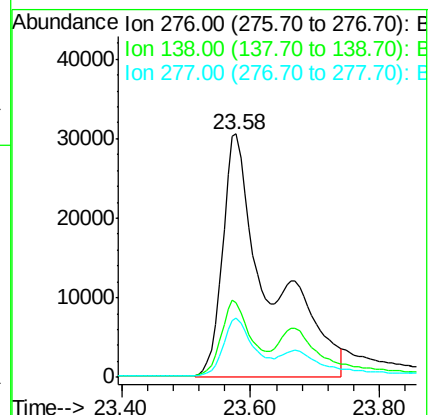
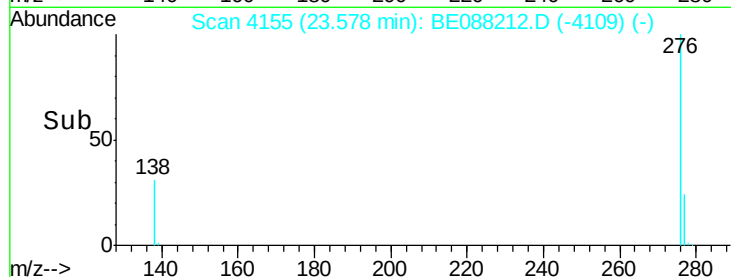
276 100

138 19.5 13.9 20.9

277 15.8 10.7 16.1

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.40 min Scan# 3718

Delta R.T. 0.00 min

Lab File: BE088212.D

Acq: 24 Oct 2014 14:54

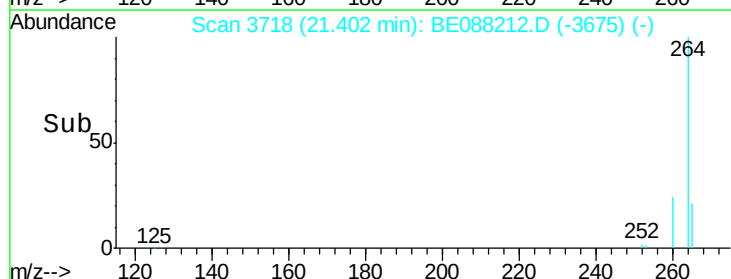
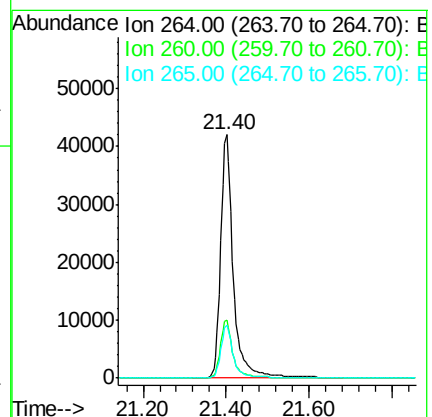
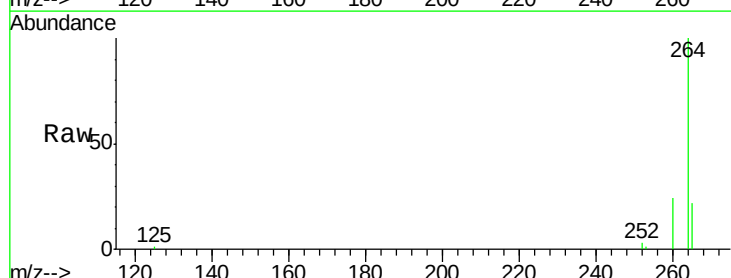
Tgt Ion: 264 Resp: 87841

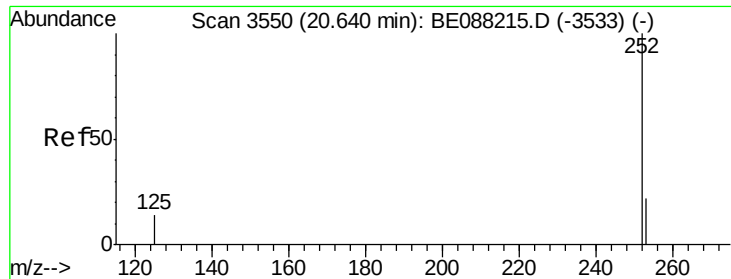
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.6 17.4 26.2





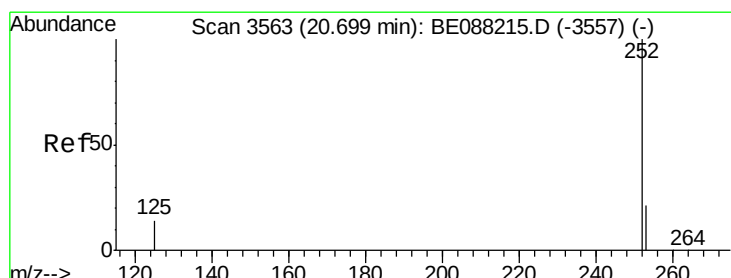
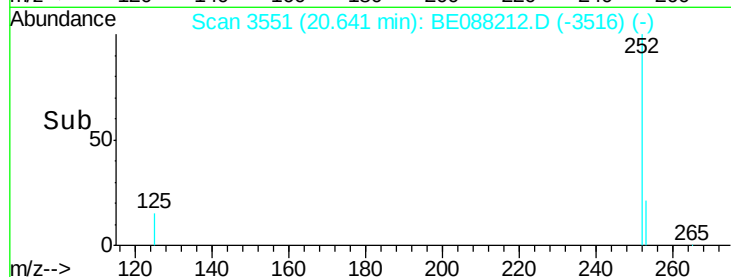
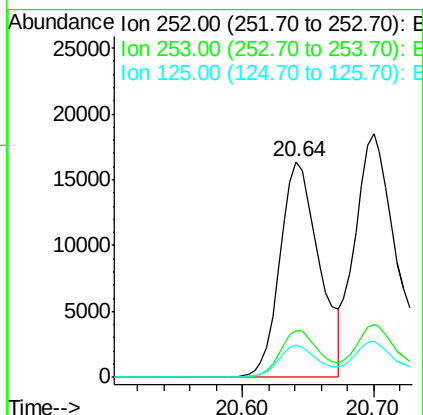
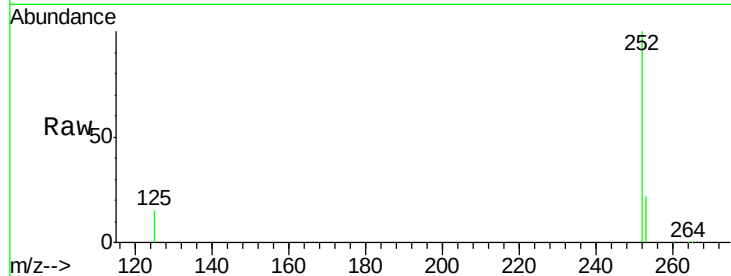
#23
Benzo(b)fluoranthene
Concen: 2.37 ng
RT: 20.64 min Scan# 3551
Delta R.T. 0.00 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	15.0	12.2	18.2

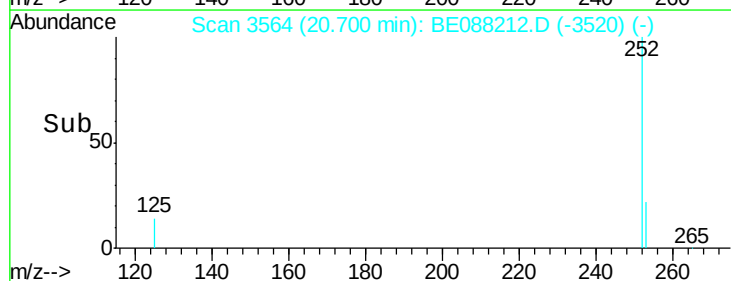
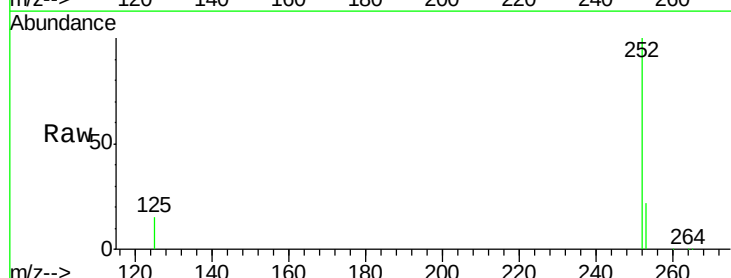
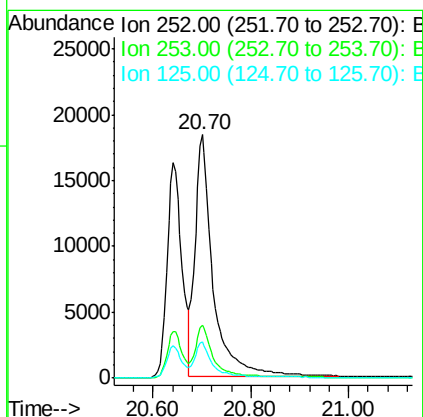
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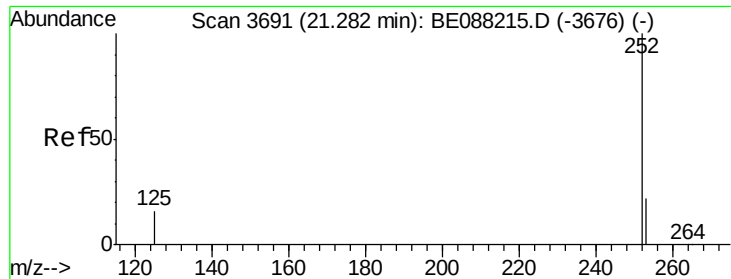
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#24
Benzo(k)fluoranthene
Concen: 2.09 ng
RT: 20.70 min Scan# 3564
Delta R.T. 0.00 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	14.7	12.1	18.1





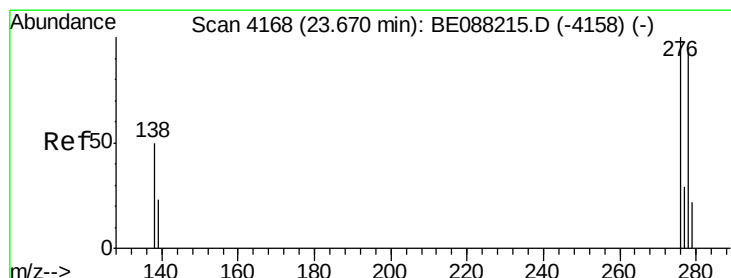
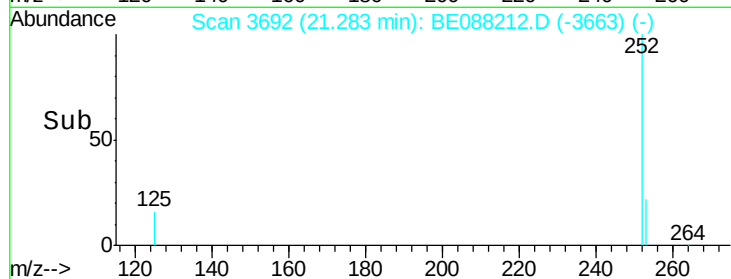
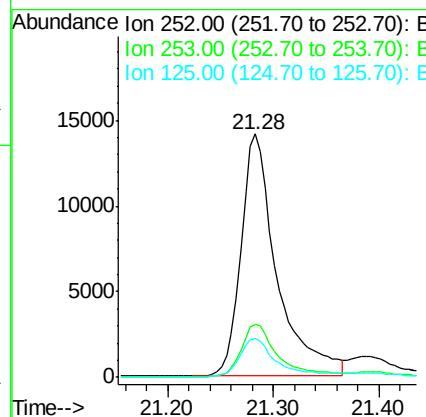
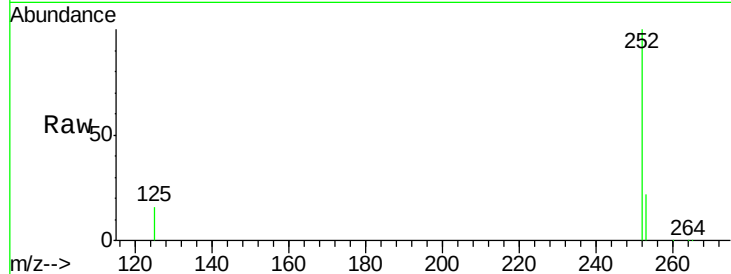
#25
Benzo(a)pyrene
Concen: 2.35 ng
RT: 21.28 min Scan# 3692
Delta R.T. 0.00 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	16.1	13.5	20.3

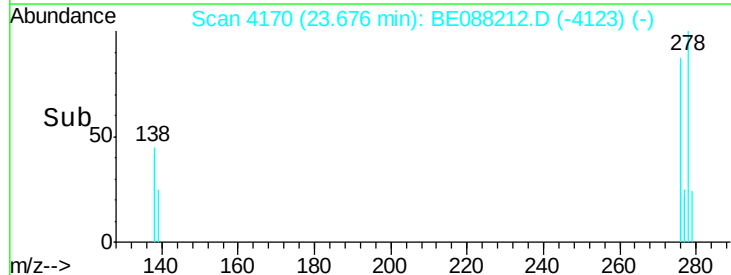
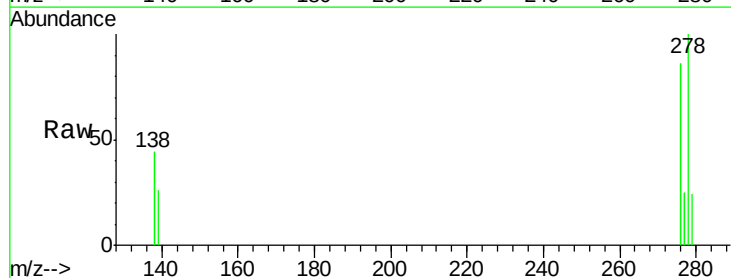
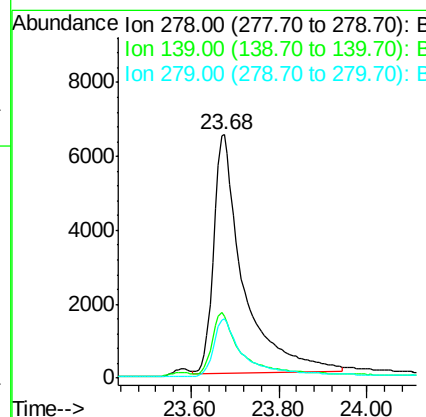
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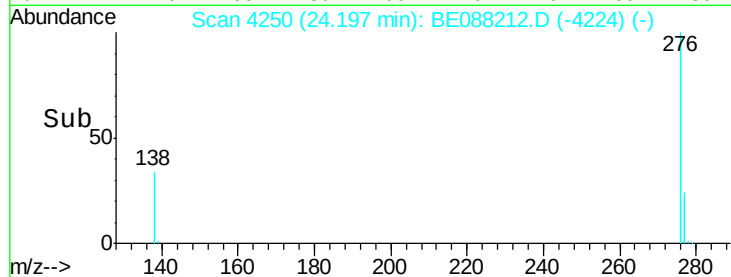
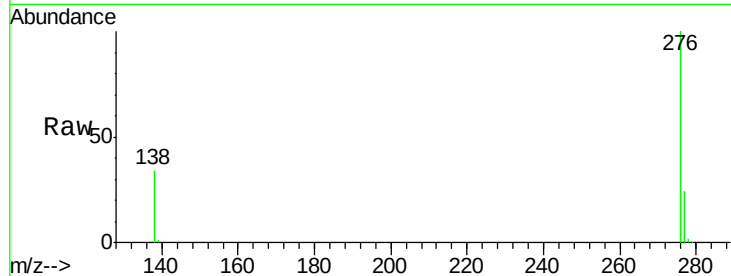
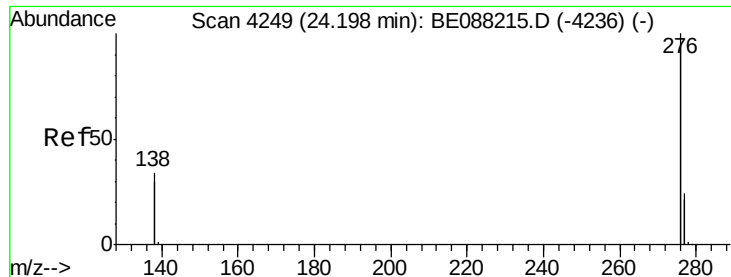
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#26
Dibenzo(a,h)anthracene
Concen: 2.26 ng
RT: 23.68 min Scan# 4170
Delta R.T. 0.01 min
Lab File: BE088212.D
Acq: 24 Oct 2014 14:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	22.1	33.1
279	24.4	20.2	30.2





#27
 Benzo(g,h,i)perylene
 Concen: 2.16 ng
 RT: 24.20 min Scan# 4250
 Delta R.T. -0.00 min
 Lab File: BE088212.D
 Acq: 24 Oct 2014 14:54

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		152272		
277	23.8	19.4	29.2		
138	33.8	27.3	40.9		

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

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