

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088208.D
 Acq On : 24 Oct 2014 12:40
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
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 10/28/2014 12:22:06 PM

Quant Time: Oct 27 12:45:21 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	55434	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	209512	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	92417	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	162425	5.00	ng	0.00
16) Chrysene-d12	18.35	240	91442	5.00	ng	0.00
22) Perylene-d12	21.40	264	82054	5.00	ng	0.00

System Monitoring Compounds

4) Nitrobenzene-d5	7.80	82	903	0.07	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	2451	0.10	ng	0.00
18) Terphenyl-d14	16.11	244	1194	0.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	680	0.09	ng	# 80
5) Naphthalene	8.70	128	4244	0.10	ng	98
6) 2-Methylnaphthalene	9.55	142	2314	0.09	ng	98
9) Acenaphthylene	10.64	152	11746	0.09	ng	99
10) Acenaphthene	10.86	154	2359	0.11	ng	86
11) Fluorene	11.52	166	1965	0.09	ng	98
13) Phenanthrene	12.97	178	17064	0.13	ng	# 75
14) Anthracene	13.06	178	10166	0.09	ng	# 92
15) Fluoranthene	15.21	202	1854	0.08	ng	99
17) Pyrene	15.67	202	2017	0.08	ng	99
19) Benzo(a)anthracene	18.33	228	6641	0.09	ng	94
20) Chrysene	18.40	228	8664	0.11	ng	# 92
21) Indeno(1,2,3-cd)pyrene	23.57	276	3841m	0.05	ng	
23) Benzo(b)fluoranthene	20.64	252	792	0.06	ng	# 77
24) Benzo(k)fluoranthene	20.70	252	2048	0.10	ng	# 84
25) Benzo(a)pyrene	21.28	252	646	0.05	ng	# 72
26) Dibenzo(a,h)anthracene	23.68	278	620	0.05	ng	# 63
27) Benzo(g,h,i)perylene	24.20	276	5486	0.08	ng	# 79

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

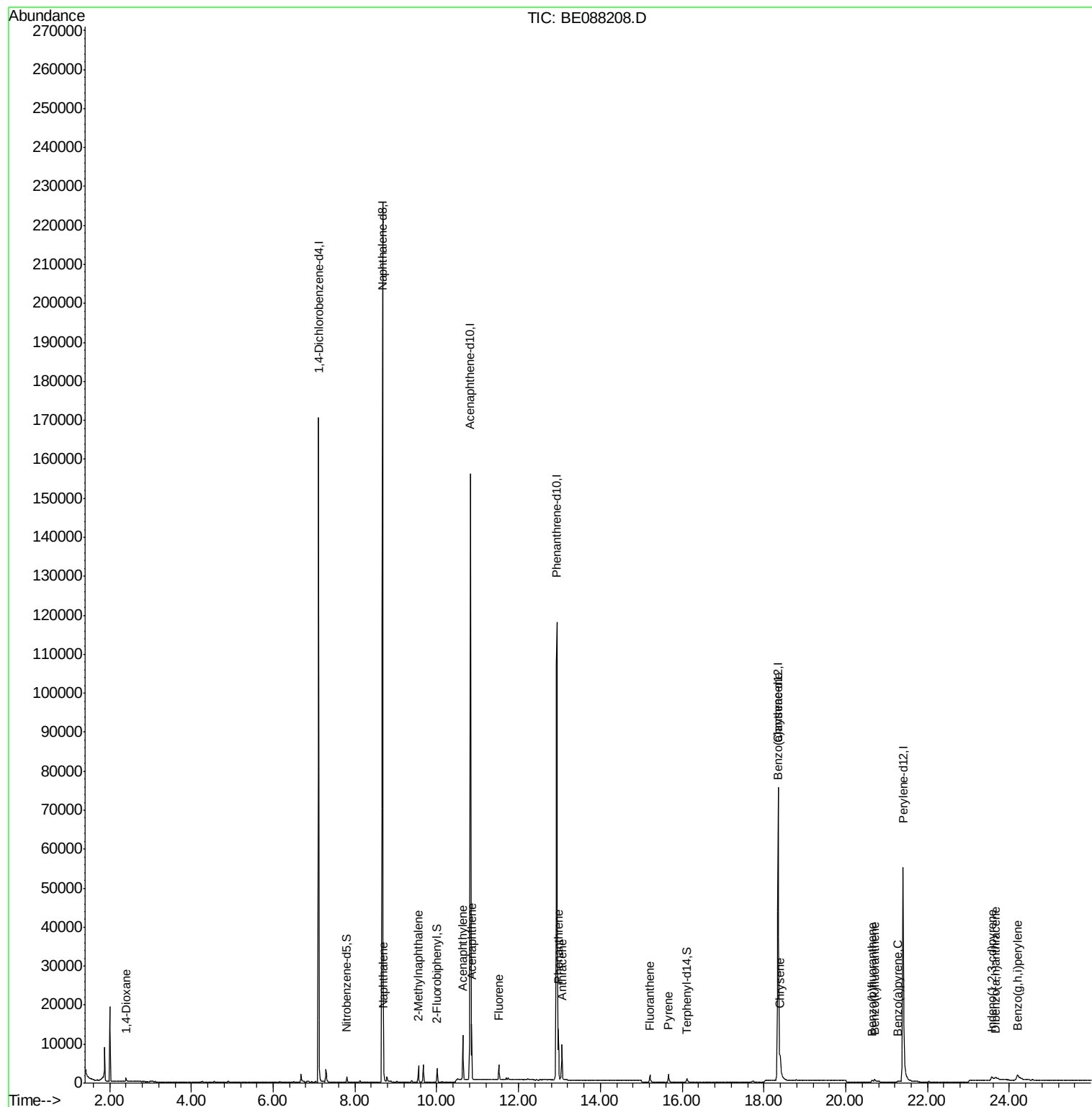
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
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ALS Vial : 3 Sample Multiplier: 1

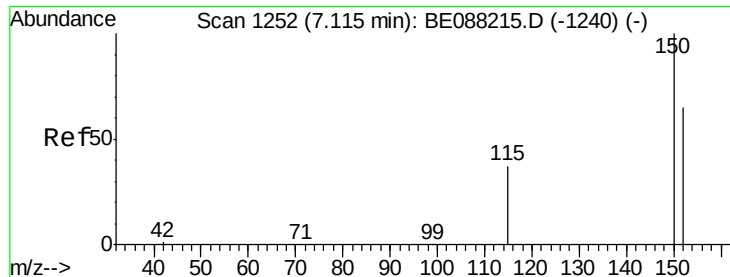
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088208.D

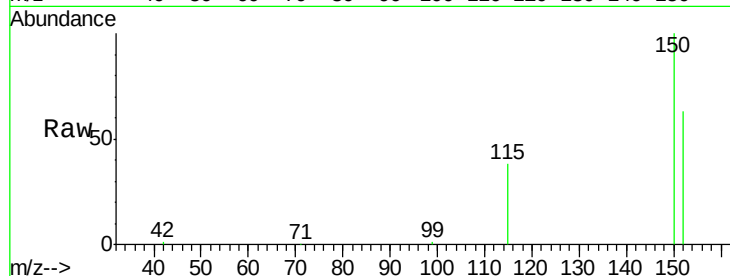
Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1



Tgt Ion:152 Resp: 55434

Ion Ratio Lower Upper

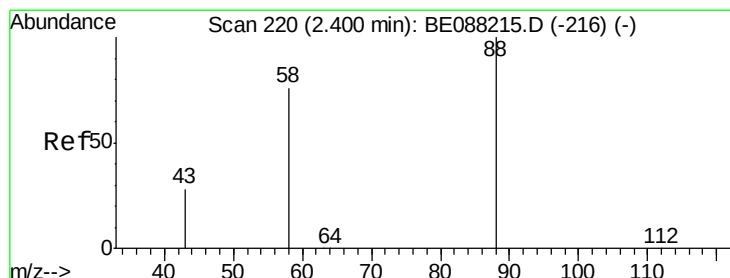
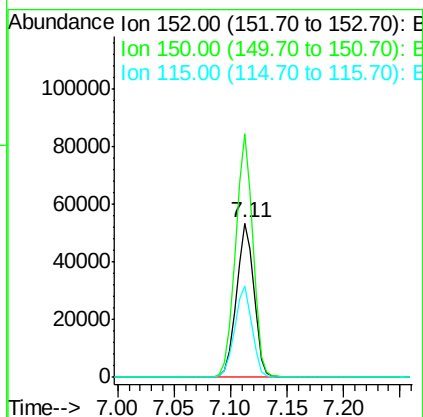
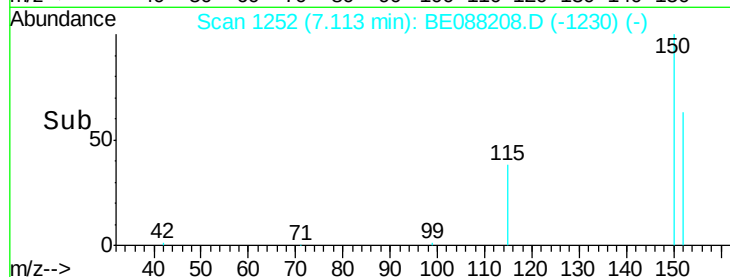
152 100

150 157.8 123.2 184.8

115 59.3 45.3 67.9

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#2

1,4-Dioxane

Concen: 0.09 ng

RT: 2.40 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

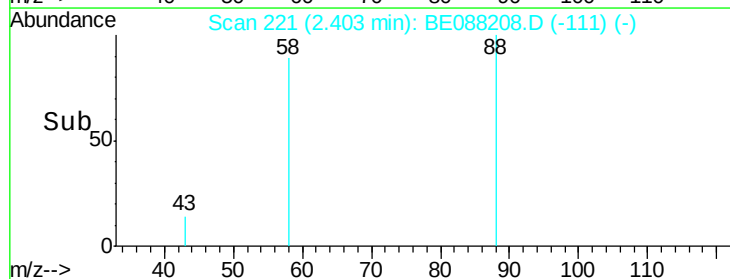
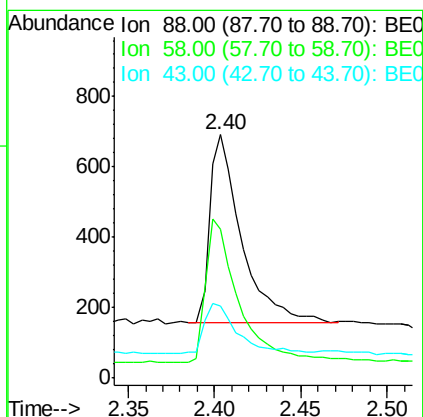
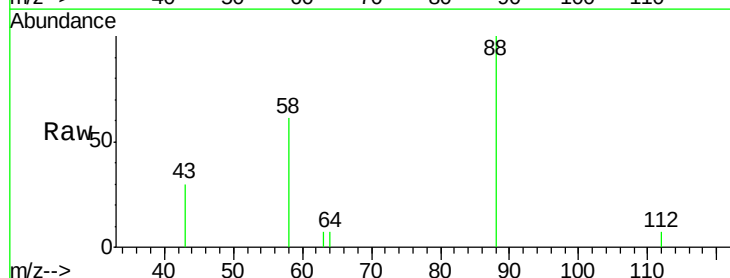
Tgt Ion: 88 Resp: 680

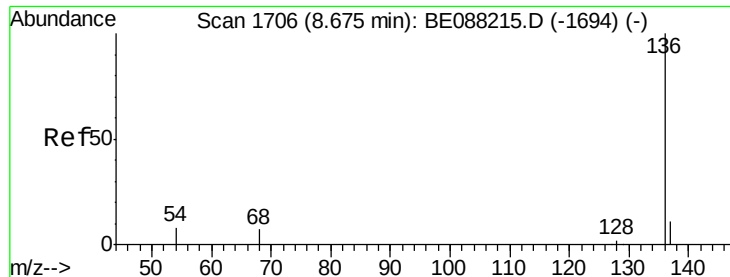
Ion Ratio Lower Upper

88 100

58 80.1 59.0 88.4

43 0.0 21.9 32.9#





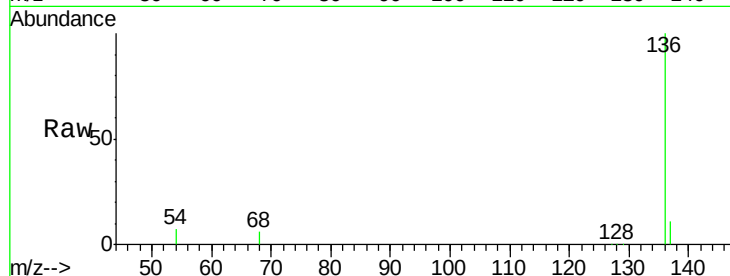
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

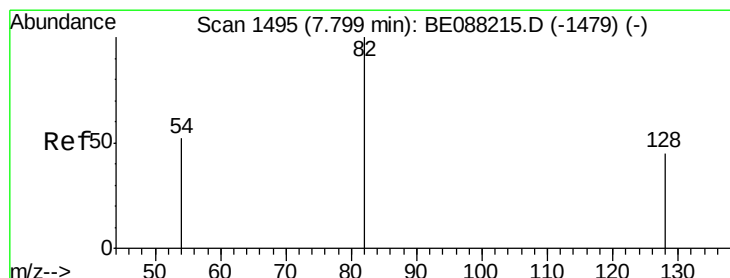
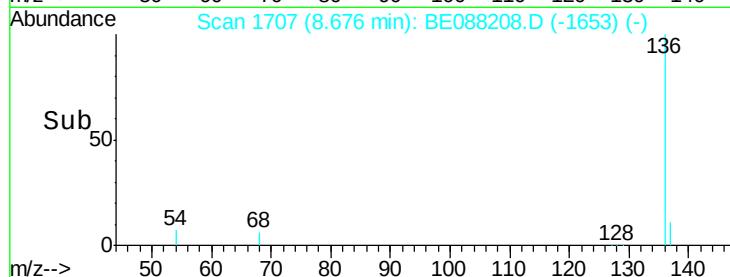
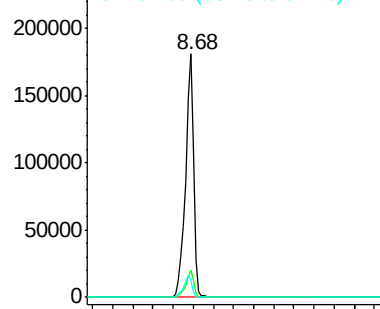
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	209512		
137	11.0	8.7	13.1	
54	6.9	6.1	9.1	

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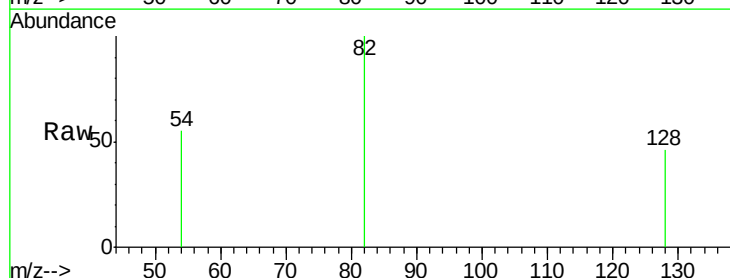


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

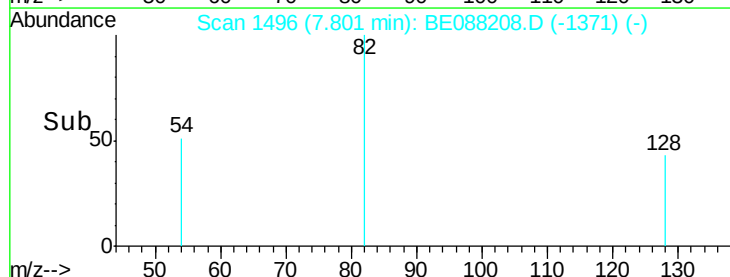
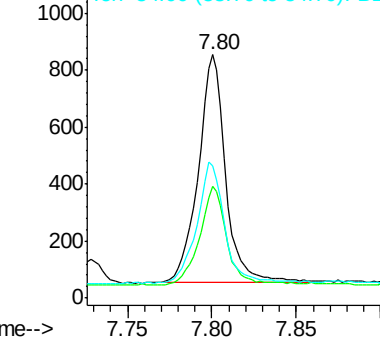


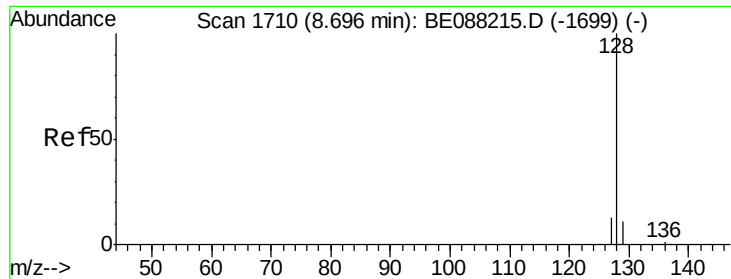
#4
Nitrobenzene-d5
Concen: 0.07 ng
RT: 7.80 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	903		
128	46.1	36.2	54.2	
54	54.5	41.8	62.8	



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: 0.10 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

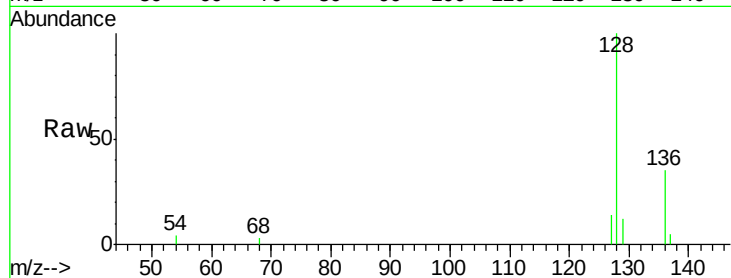
ClientSampleId :

SSTDICC0.1

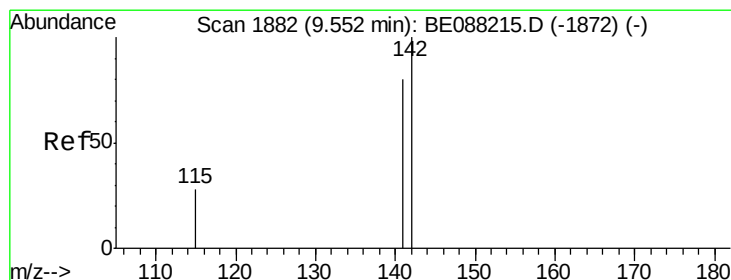
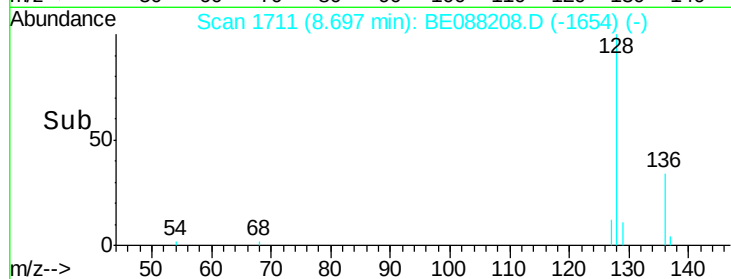
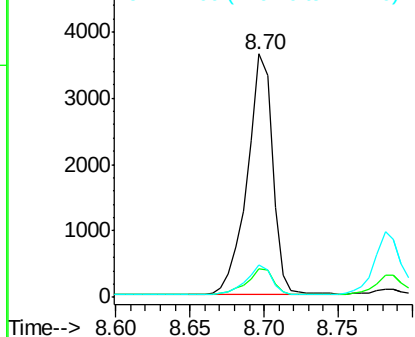
Tgt Ion:	128	Resp:	4244
Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.6	12.8
127	13.6	10.4	15.6

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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: 0.09 ng

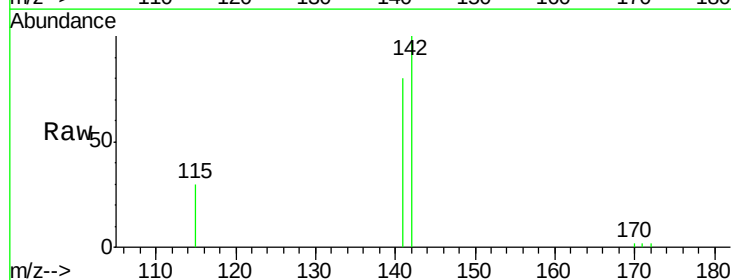
RT: 9.55 min Scan# 1883

Delta R.T. 0.00 min

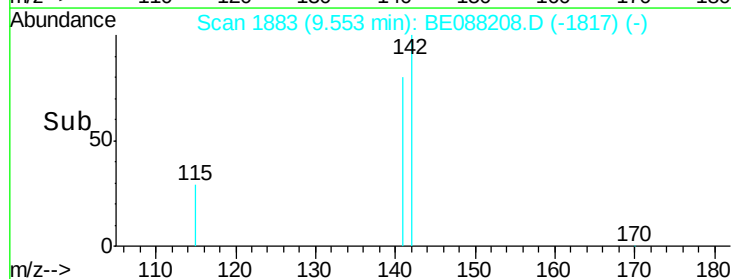
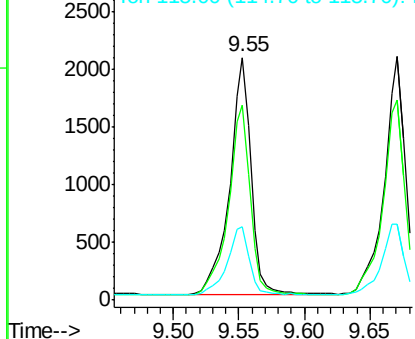
Lab File: BE088208.D

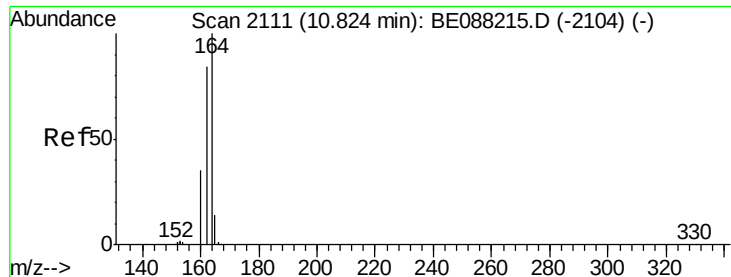
Acq: 24 Oct 2014 12:40

Tgt Ion:	142	Resp:	2314
Ion	Ratio	Lower	Upper
142	100		
141	80.3	63.7	95.5
115	30.2	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: BE088208.D

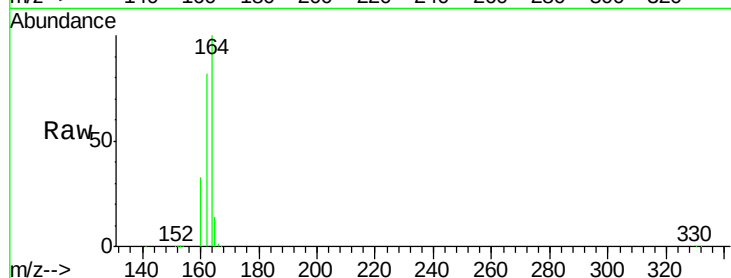
Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

ClientSampleId :

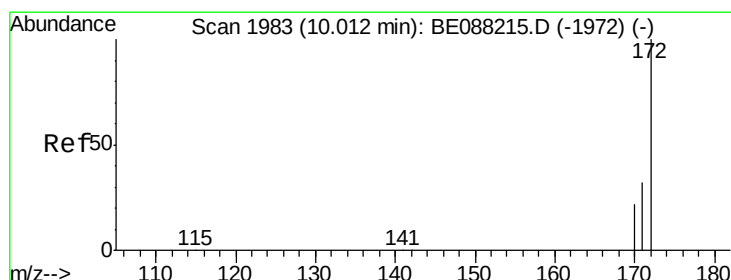
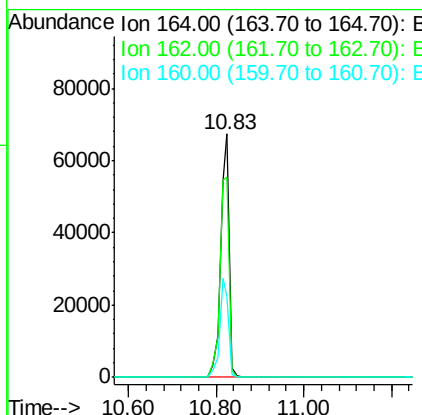
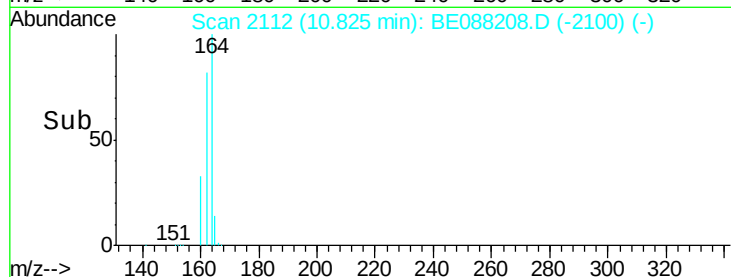
SSTDICC0.1



Tgt Ion:	164	Resp:	92417
Ion Ratio	Lower	Upper	
164	100		
162	82.1	67.4	101.0
160	33.4	27.7	41.5

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#8

2-Fluorobiphenyl

Concen: 0.10 ng

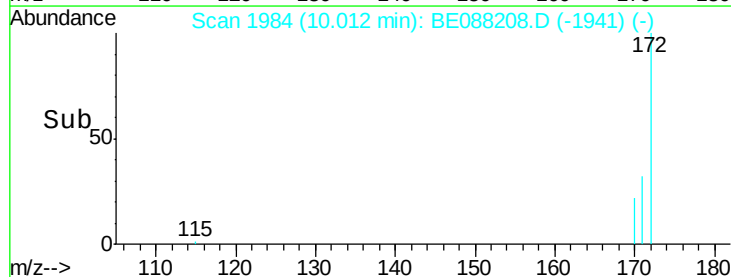
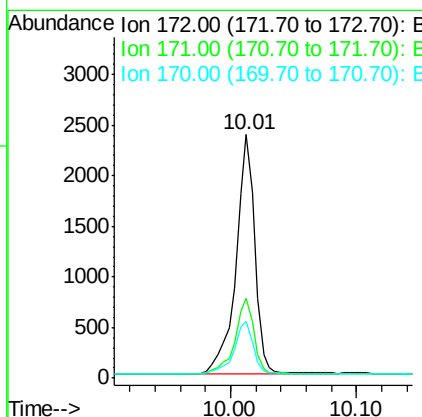
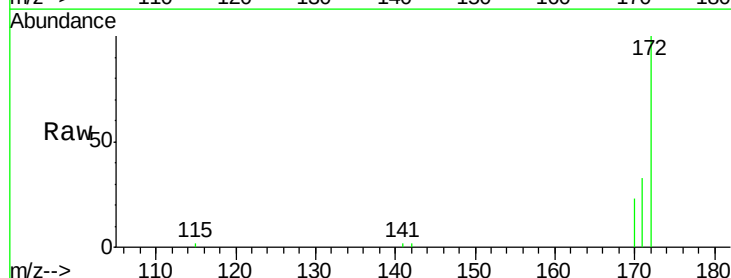
RT: 10.01 min Scan# 1984

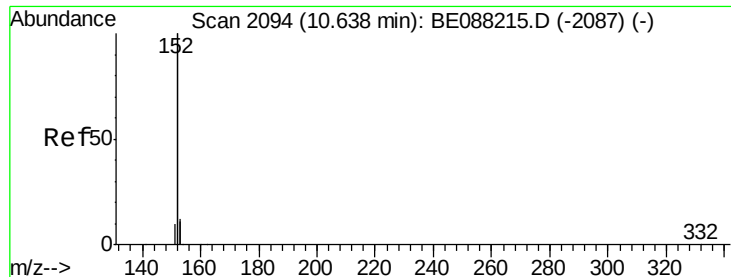
Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Tgt Ion:	172	Resp:	2451
Ion Ratio	Lower	Upper	
172	100		
171	32.9	25.8	38.6
170	23.1	17.4	26.0





#9

Acenaphthylene

Concen: 0.09 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

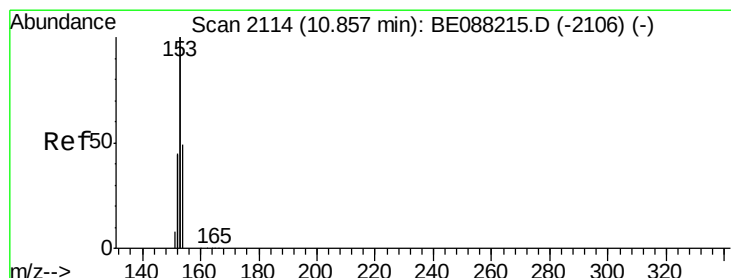
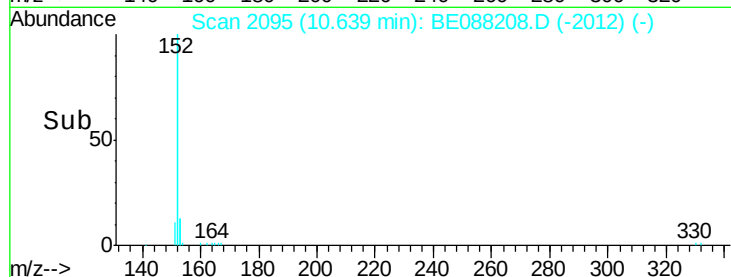
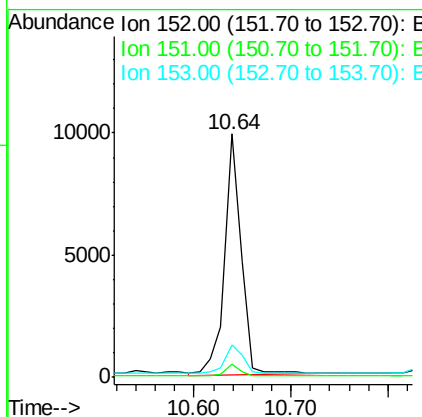
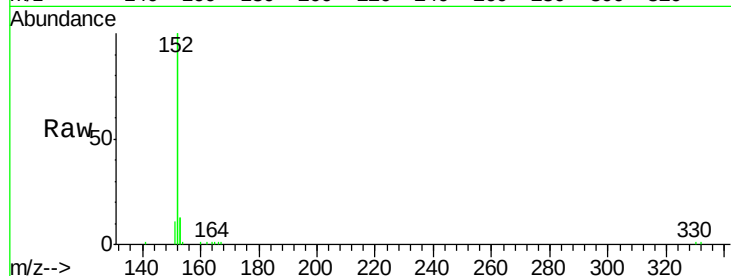
ClientSampleId :

SSTDIC0.1

Tgt Ion:	152	Resp:	11746
Ion Ratio	Lower	Upper	
152	100		
151	4.5	3.7	5.5
153	12.4	10.3	15.5

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#10

Acenaphthene

Concen: 0.11 ng

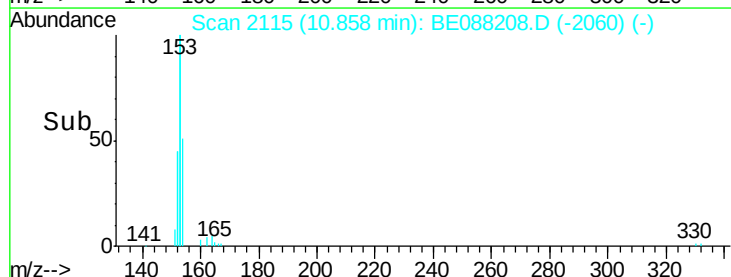
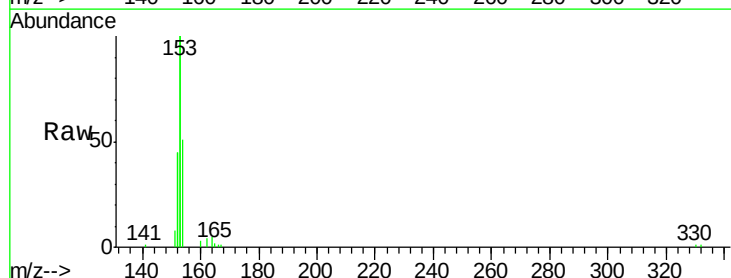
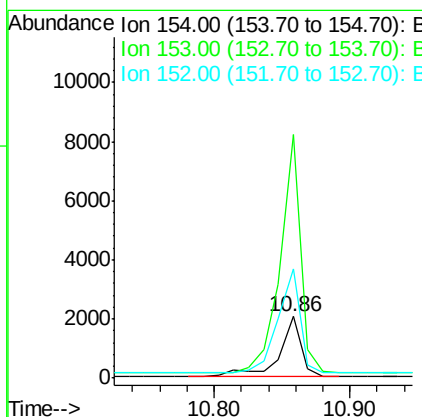
RT: 10.86 min Scan# 2115

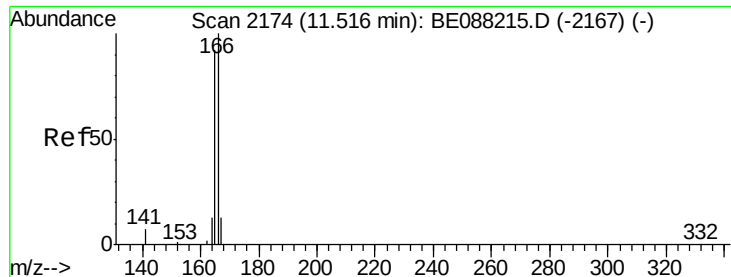
Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Tgt Ion:	154	Resp:	2359
Ion Ratio	Lower	Upper	
154	100		
153	360.1	326.0	489.0
152	192.5	155.6	233.4





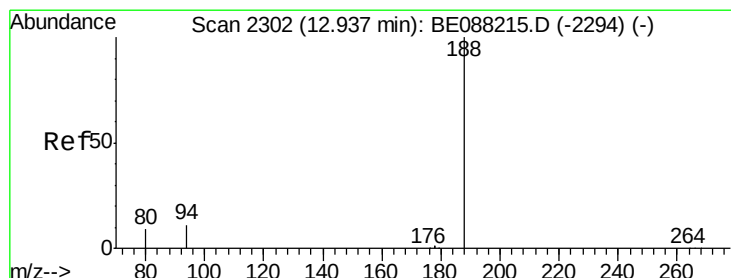
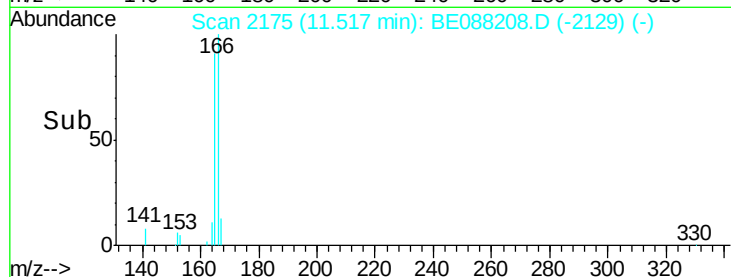
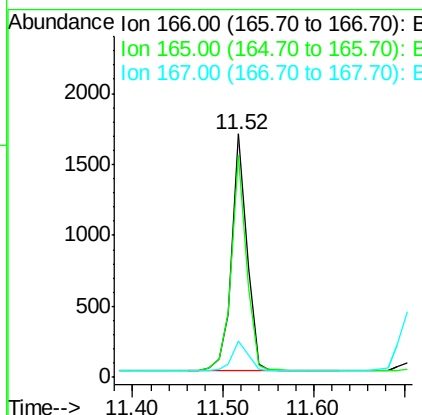
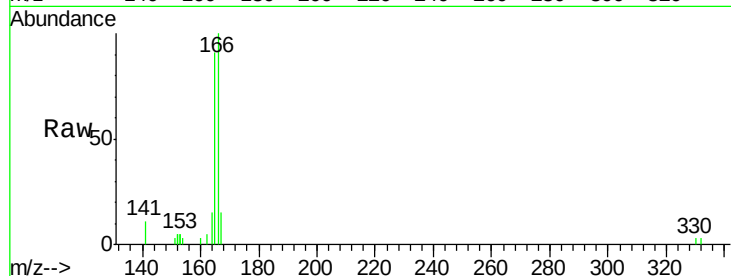
#11
Fluorene
Concen: 0.09 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.3	71.8	107.6
167	13.7	10.7	16.1

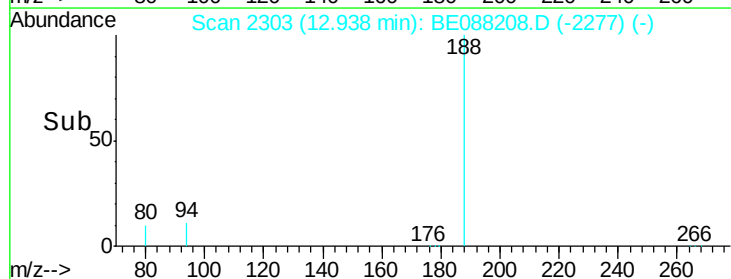
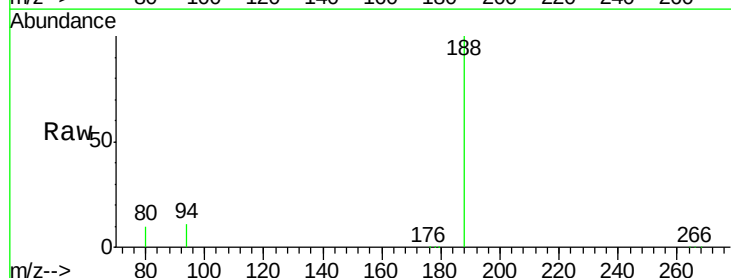
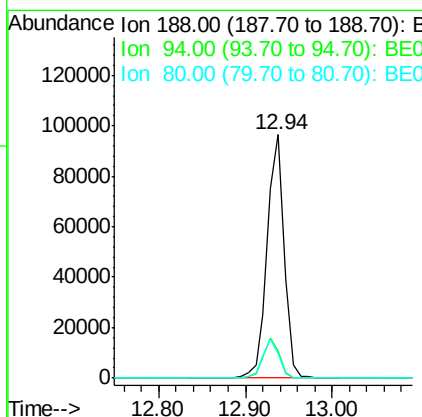
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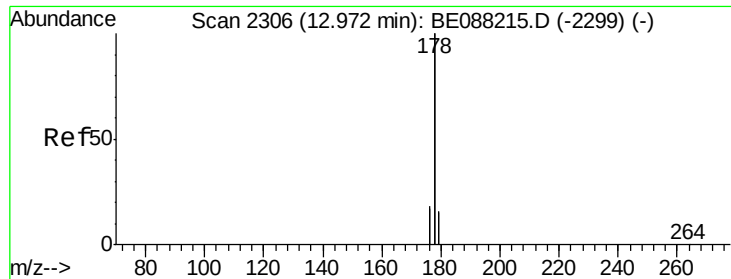
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#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	10.0	7.4	11.0





#13

Phenanthrene

Concen: 0.13 ng

RT: 12.97 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

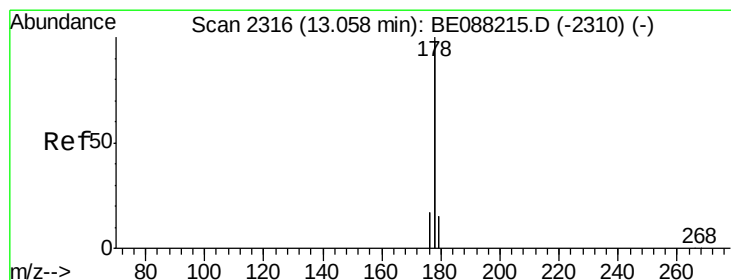
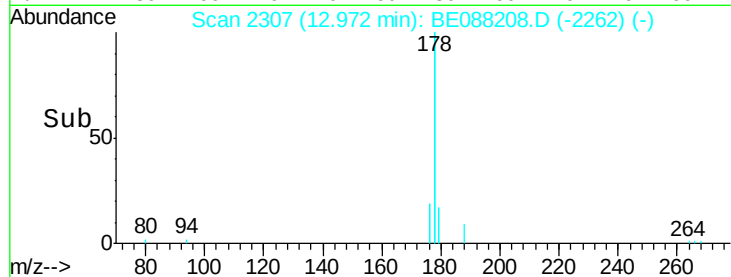
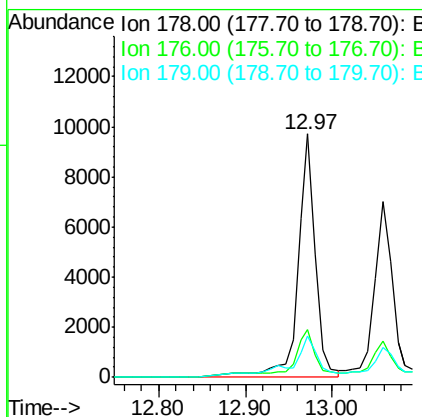
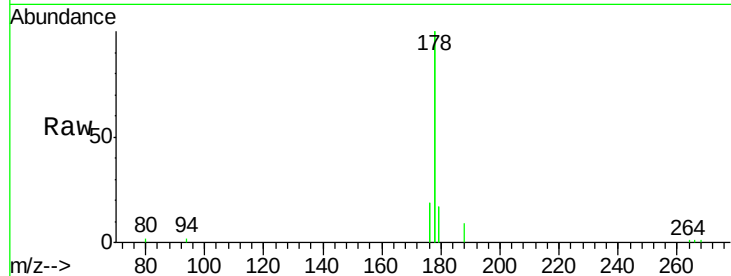
ClientSampleId :

SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	26.9	14.0	21.0#
179	26.3	11.8	17.6#

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#14

Anthracene

Concen: 0.09 ng

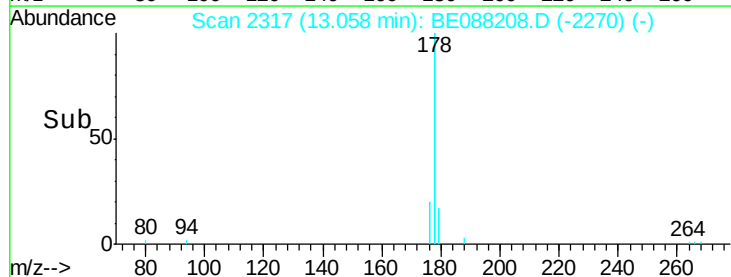
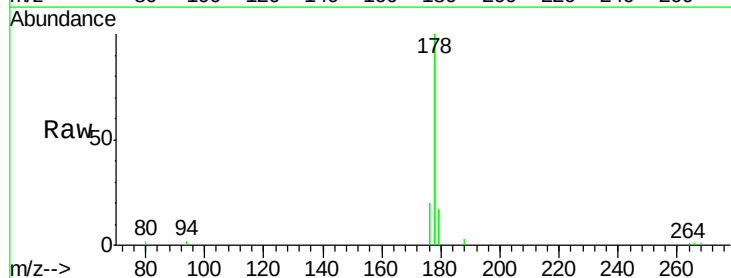
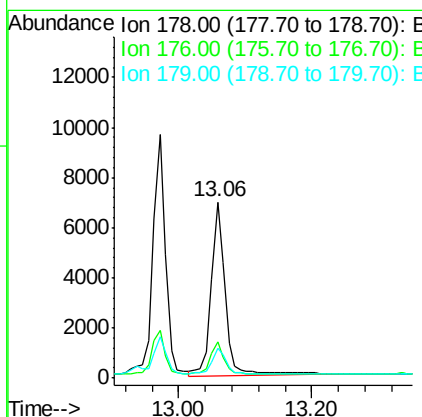
RT: 13.06 min Scan# 2317

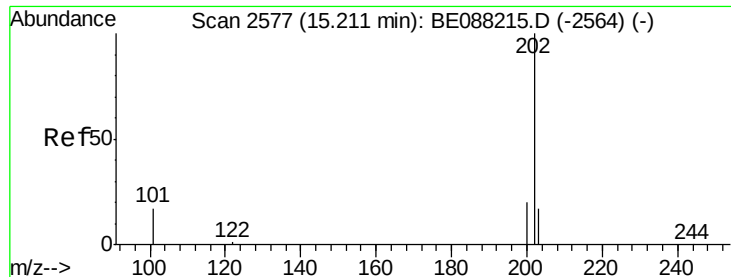
Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.5	14.7	22.1
179	19.3	12.3	18.5#





#15

Fluoranthene

Concen: 0.08 ng

RT: 15.21 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BE088208.D

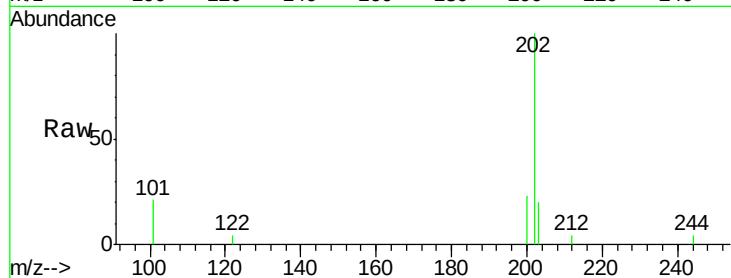
Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

ClientSampleId :

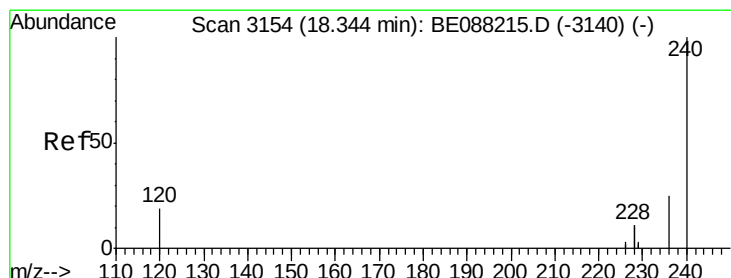
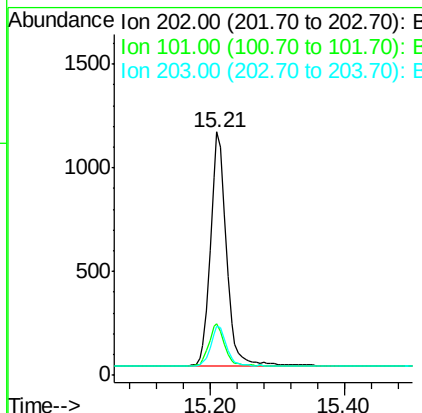
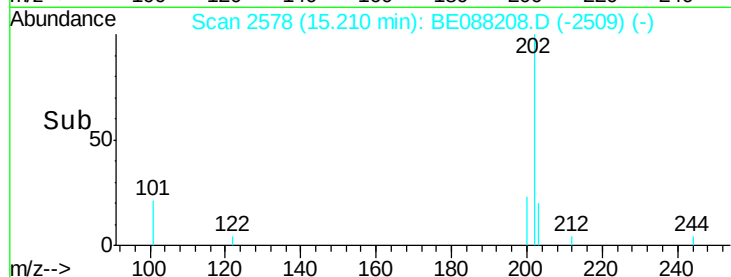
SSTDIC0.1



Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.6	14.4	21.6
203	16.2	13.4	20.2

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#16

Chrysene-d12

Concen: 5.00 ng

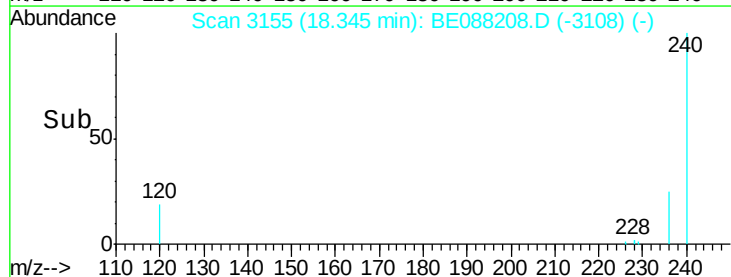
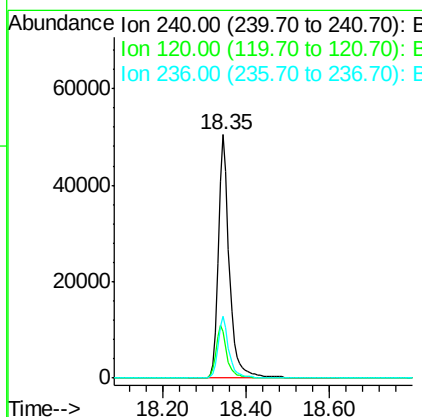
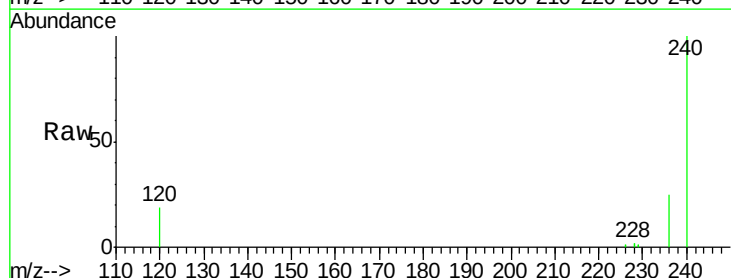
RT: 18.35 min Scan# 3155

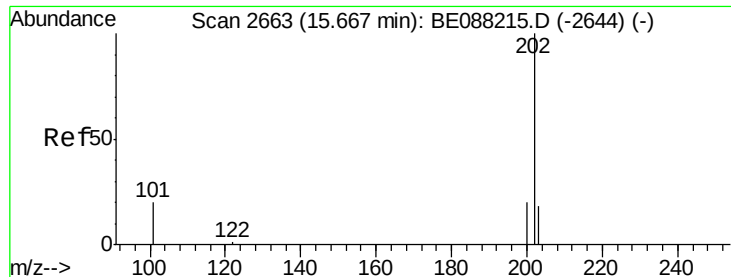
Delta R.T. 0.00 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.2	15.1	22.7
236	25.2	20.1	30.1





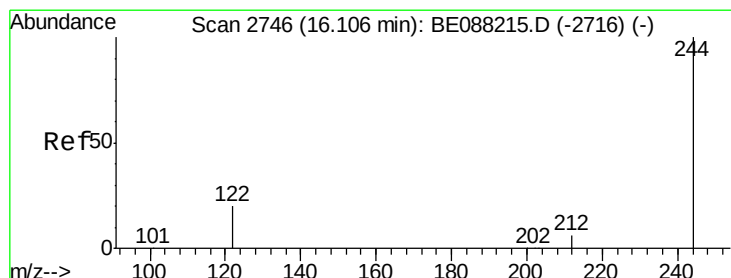
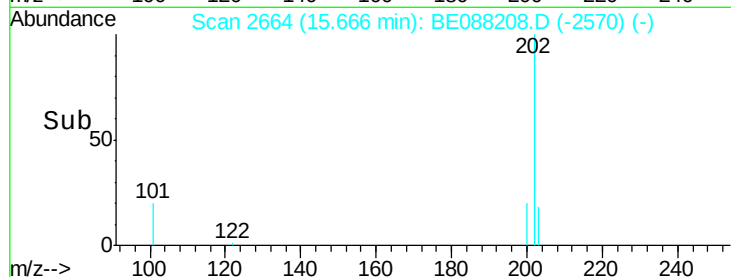
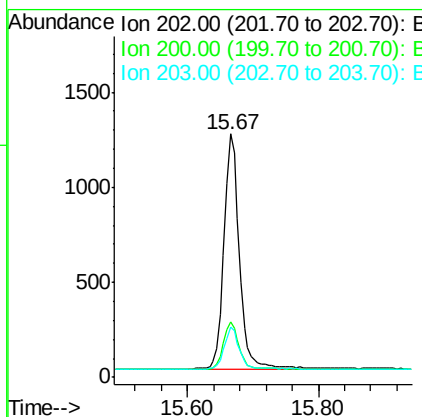
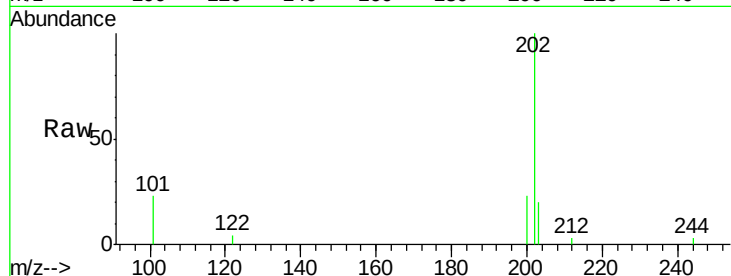
#17
Pyrene
Concen: 0.08 ng
RT: 15.67 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	16.9	13.8	20.8

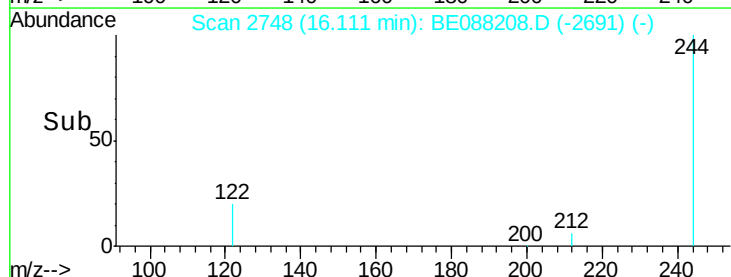
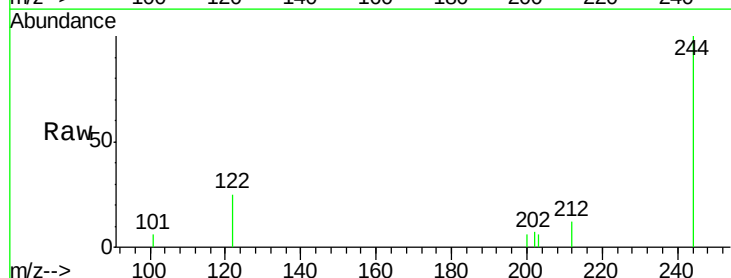
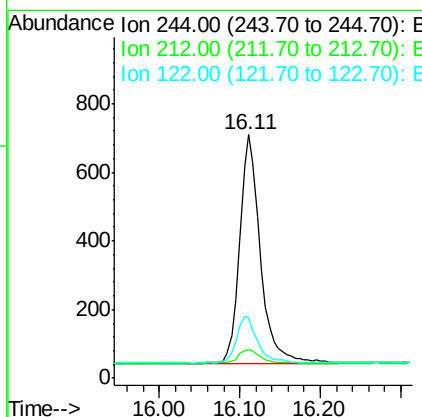
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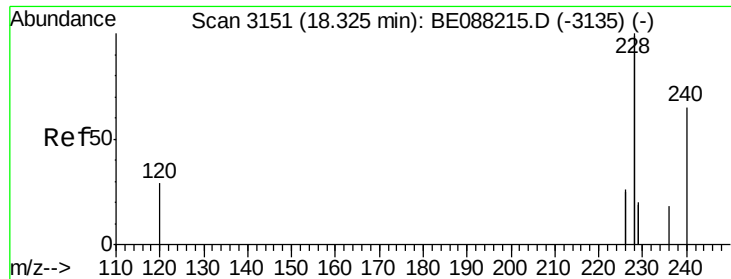
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#18
Terphenyl-d14
Concen: 0.08 ng
RT: 16.11 min Scan# 2748
Delta R.T. 0.00 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.7	5.4	8.2#
122	24.8	16.7	25.1





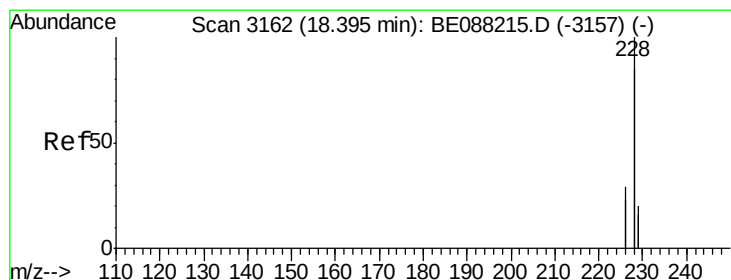
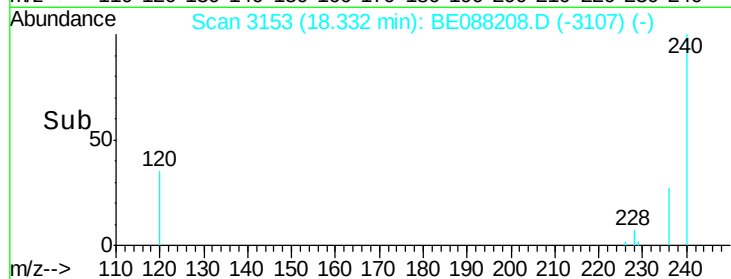
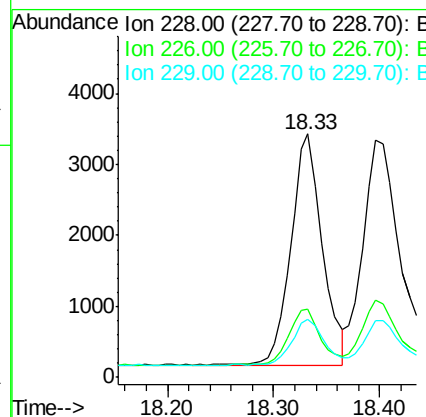
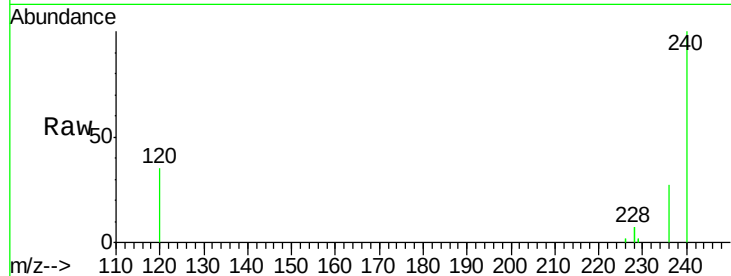
#19
Benzo(a)anthracene
Concen: 0.09 ng
RT: 18.33 min Scan# 3153
Delta R.T. 0.01 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	20.5	30.7
229	24.0	16.1	24.1

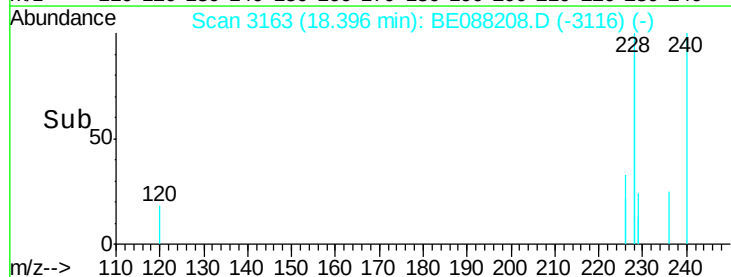
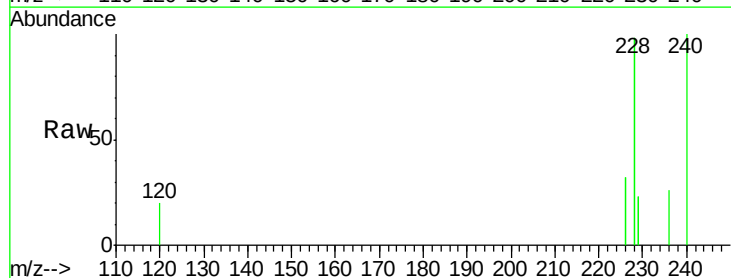
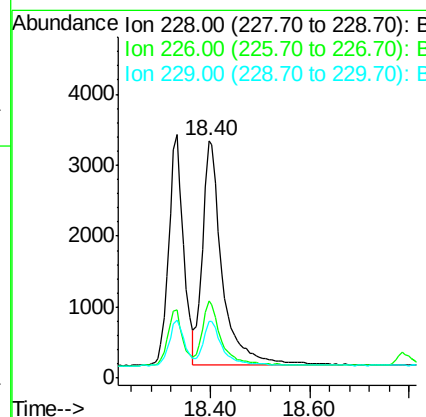
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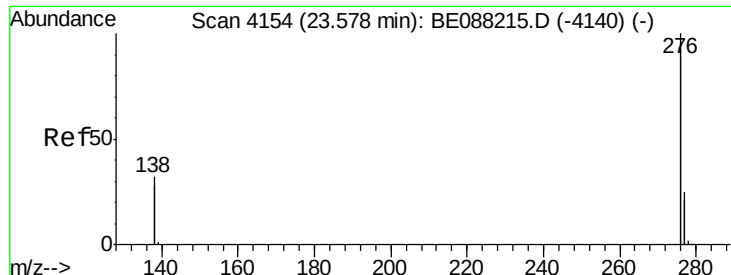
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#20
Chrysene
Concen: 0.11 ng
RT: 18.40 min Scan# 3163
Delta R.T. 0.00 min
Lab File: BE088208.D
Acq: 24 Oct 2014 12:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.3	34.9
229	23.9	15.6	23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng m

RT: 23.57 min Scan# 4154

Delta R.T. -0.01 min

Lab File: BE088208.D

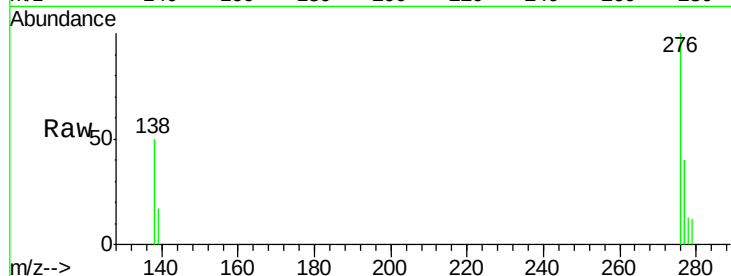
Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1



Tgt Ion: 276 Resp: 3841

Ion Ratio Lower Upper

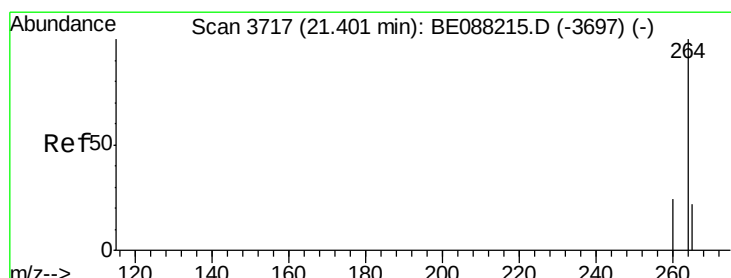
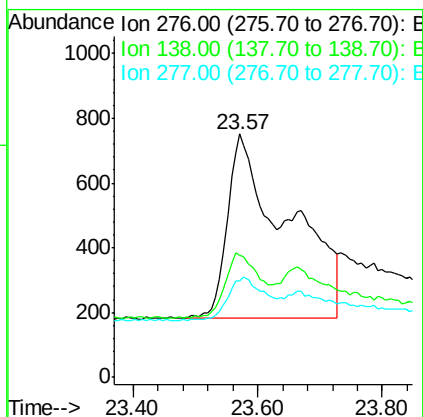
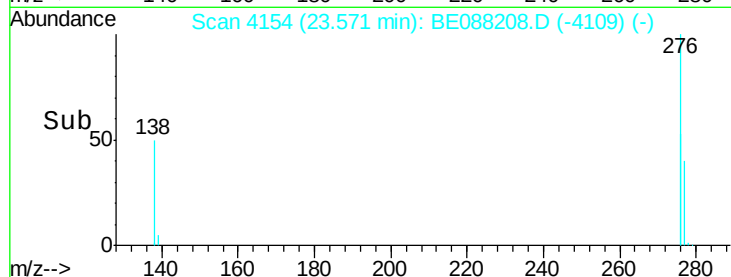
276 100

138 20.3 13.9 20.9

277 14.1 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: BE088208.D

Acq: 24 Oct 2014 12:40

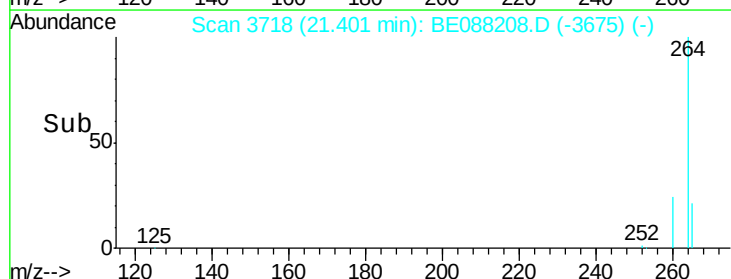
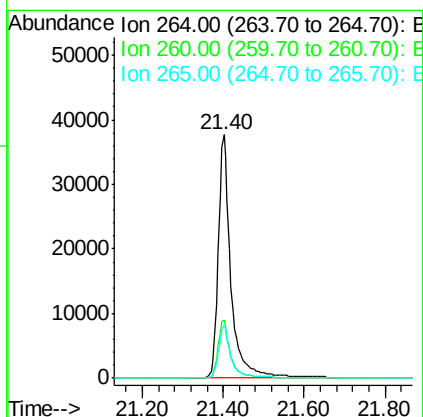
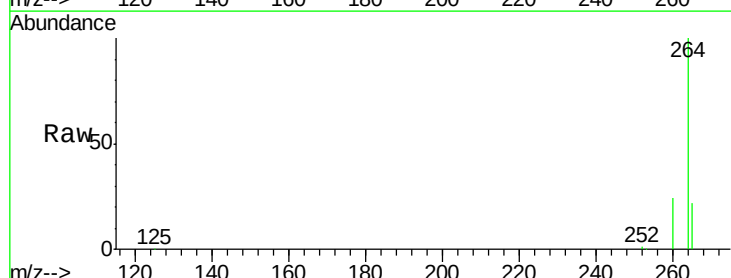
Tgt Ion: 264 Resp: 82054

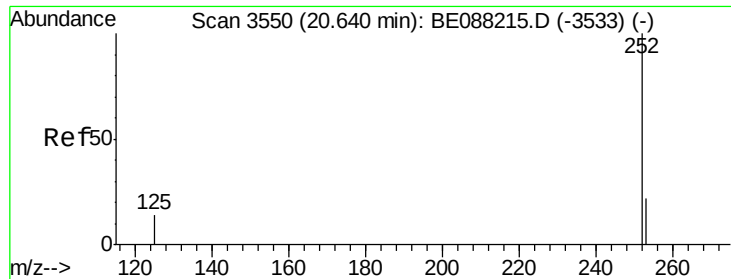
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.6 17.4 26.2





#23

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 20.64 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE088208.D

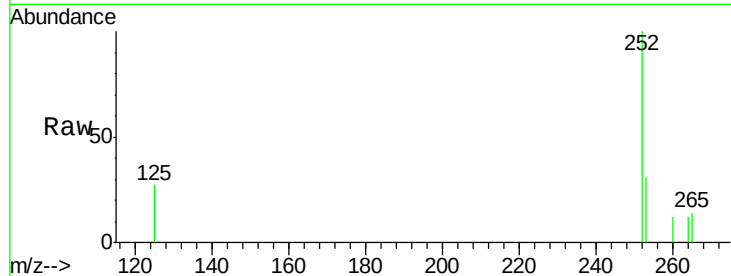
Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

ClientSampleId :

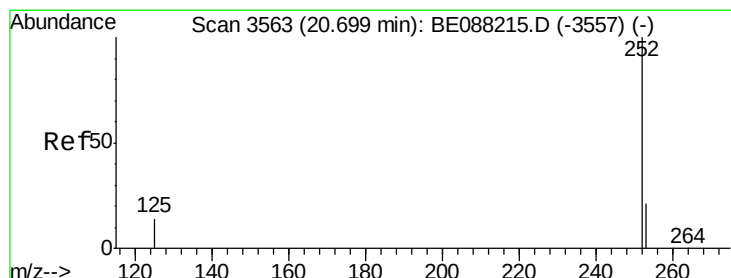
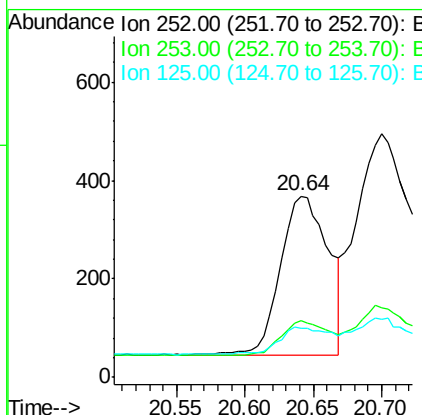
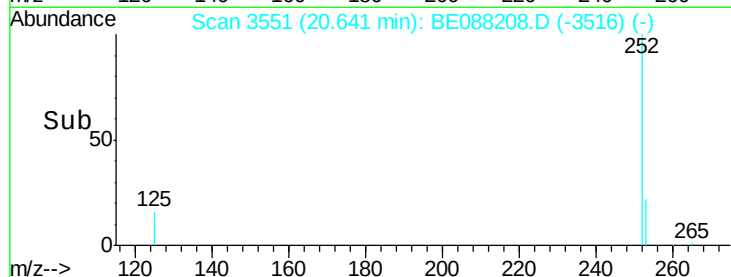
SSTDIC0.1



Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.9	26.9#
125	27.1	12.2	18.2#

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#24

Benzo(k)fluoranthene

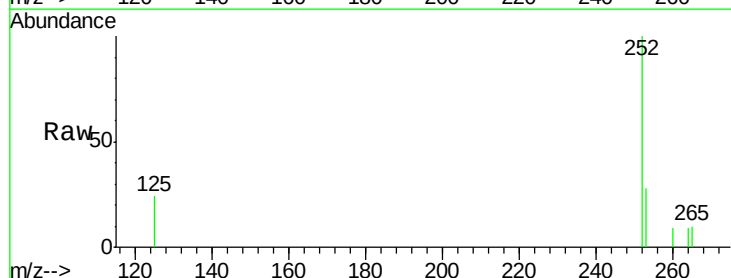
Concen: 0.10 ng

RT: 20.70 min Scan# 3564

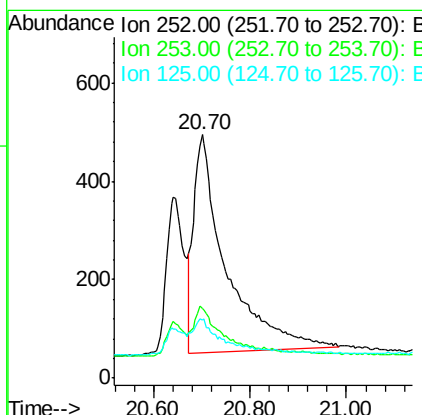
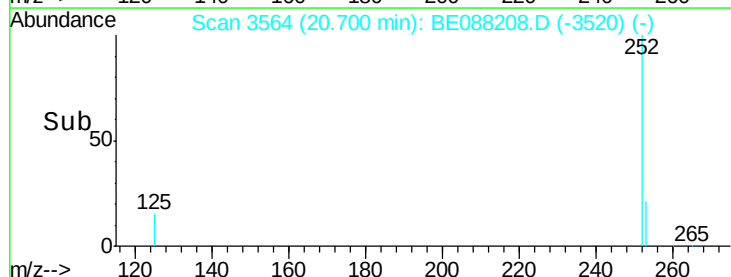
Delta R.T. 0.00 min

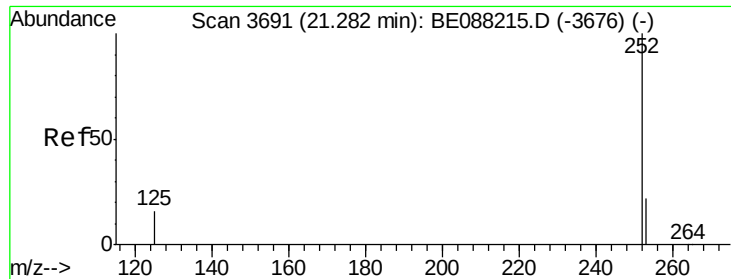
Lab File: BE088208.D

Acq: 24 Oct 2014 12:40



Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.6	26.4#
125	23.6	12.1	18.1#





#25

Benzo(a)pyrene

Concen: 0.05 ng

RT: 21.28 min Scan# 3691

Delta R.T. -0.00 min

Lab File: BE088208.D

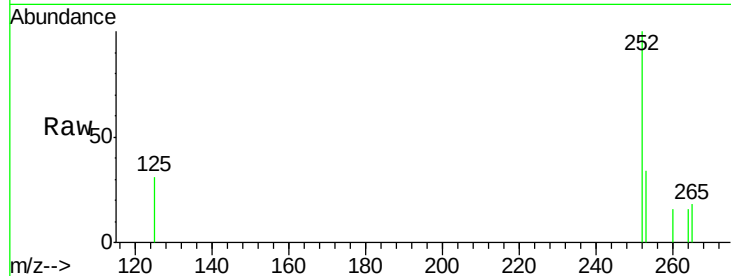
Acq: 24 Oct 2014 12:40

Instrument :

BNA_E

ClientSampleId :

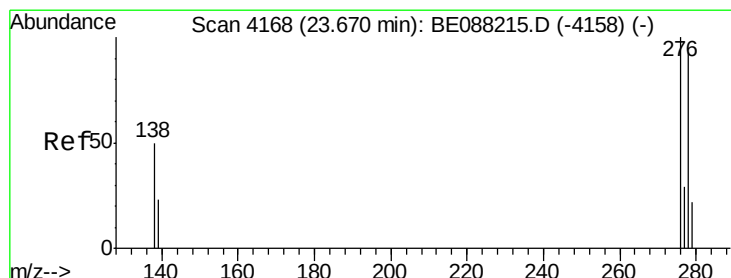
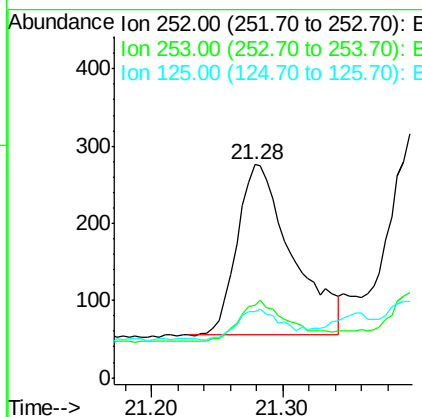
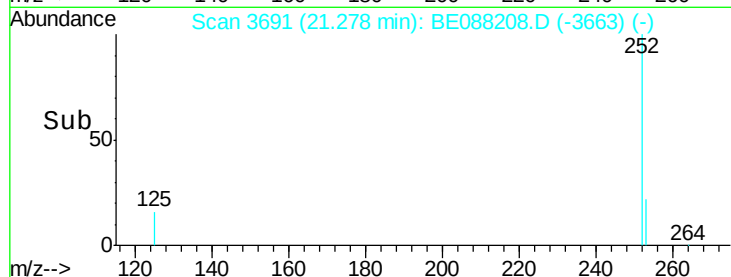
SSTDIC0.1



Tgt Ion:	252	Resp:	646
Ion Ratio	Lower	Upper	
252	100		
253	34.1	17.8	26.8#
125	31.2	13.5	20.3#

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#26

Dibenzo(a,h)anthracene

Concen: 0.05 ng

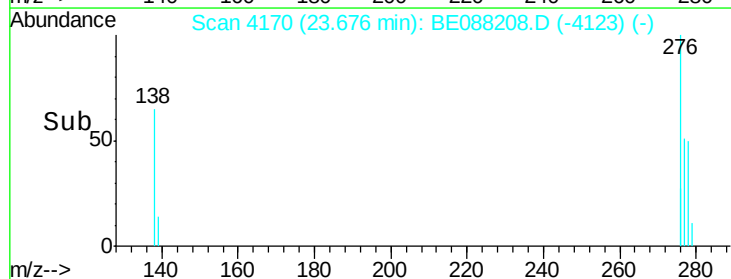
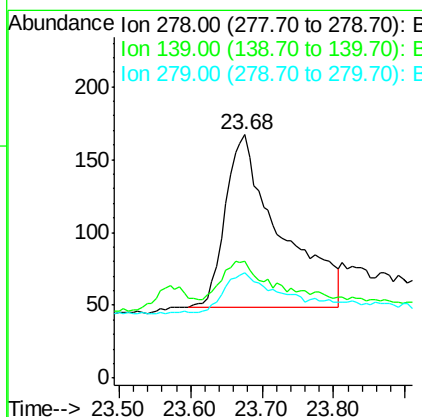
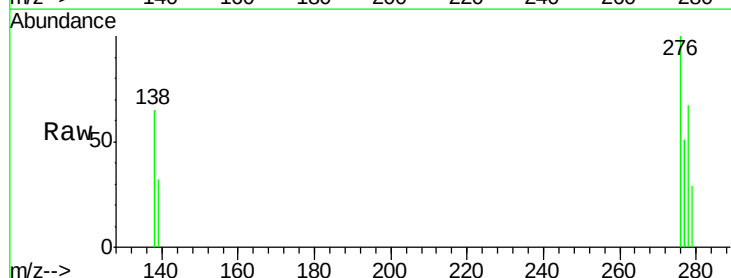
RT: 23.68 min Scan# 4170

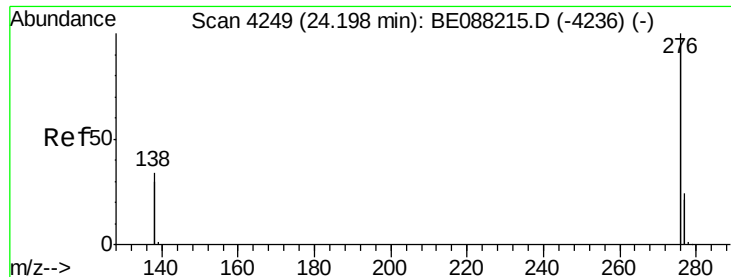
Delta R.T. 0.01 min

Lab File: BE088208.D

Acq: 24 Oct 2014 12:40

Tgt Ion:	278	Resp:	620
Ion Ratio	Lower	Upper	
278	100		
139	47.9	22.1	33.1#
279	43.1	20.2	30.2#





#27
 Benzo(g,h,i)perylene
 Concen: 0.08 ng
 RT: 24.20 min Scan# 4251
 Delta R.T. 0.01 min
 Lab File: BE088208.D
 Acq: 24 Oct 2014 12:40

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	35.9	19.4	29.2#	
138	45.6	27.3	40.9#	

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