

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088422.D
 Acq On : 31 Oct 2014 14:46
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:05:32 AM

Quant Time: Oct 31 23:34:13 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	39301	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	149770	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	68851	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	125343	5.00	ng	0.00
16) Chrysene-d12	18.31	240	59649	5.00	ng	0.00
22) Perylene-d12	21.37	264	53837	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.78	82	995	0.09	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	1927	0.10	ng	0.00
18) Terphenyl-d14	16.08	244	1016	0.09	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	503	0.10	ng	# 84
5) Naphthalene	8.68	128	3095	0.10	ng	98
6) 2-Methylnaphthalene	9.53	142	1846	0.10	ng	99
9) Acenaphthylene	10.62	152	11982	0.11	ng	98
10) Acenaphthene	10.84	154	1807	0.11	ng	86
11) Fluorene	11.50	166	1700	0.10	ng	98
13) Phenanthrene	12.94	178	9050m	0.07	ng	
14) Anthracene	13.03	178	9516	0.10	ng	99
15) Fluoranthene	15.18	202	1696	0.09	ng	100
17) Pyrene	15.63	202	1801	0.09	ng	100
19) Benzo(a)anthracene	18.29	228	5828	0.10	ng	# 91
20) Chrysene	18.36	228	5507	0.10	ng	# 92
21) Indeno(1,2,3-cd)pyrene	23.55	276	5198m	0.10	ng	
23) Benzo(b)fluoranthene	20.62	252	1109	0.09	ng	# 84
24) Benzo(k)fluoranthene	20.68	252	1215	0.09	ng	# 84
25) Benzo(a)pyrene	21.26	252	1066	0.09	ng	# 83
26) Dibenzo(a,h)anthracene	23.64	278	1004	0.10	ng	# 73
27) Benzo(g,h,i)perylene	24.17	276	4952	0.10	ng	# 85

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

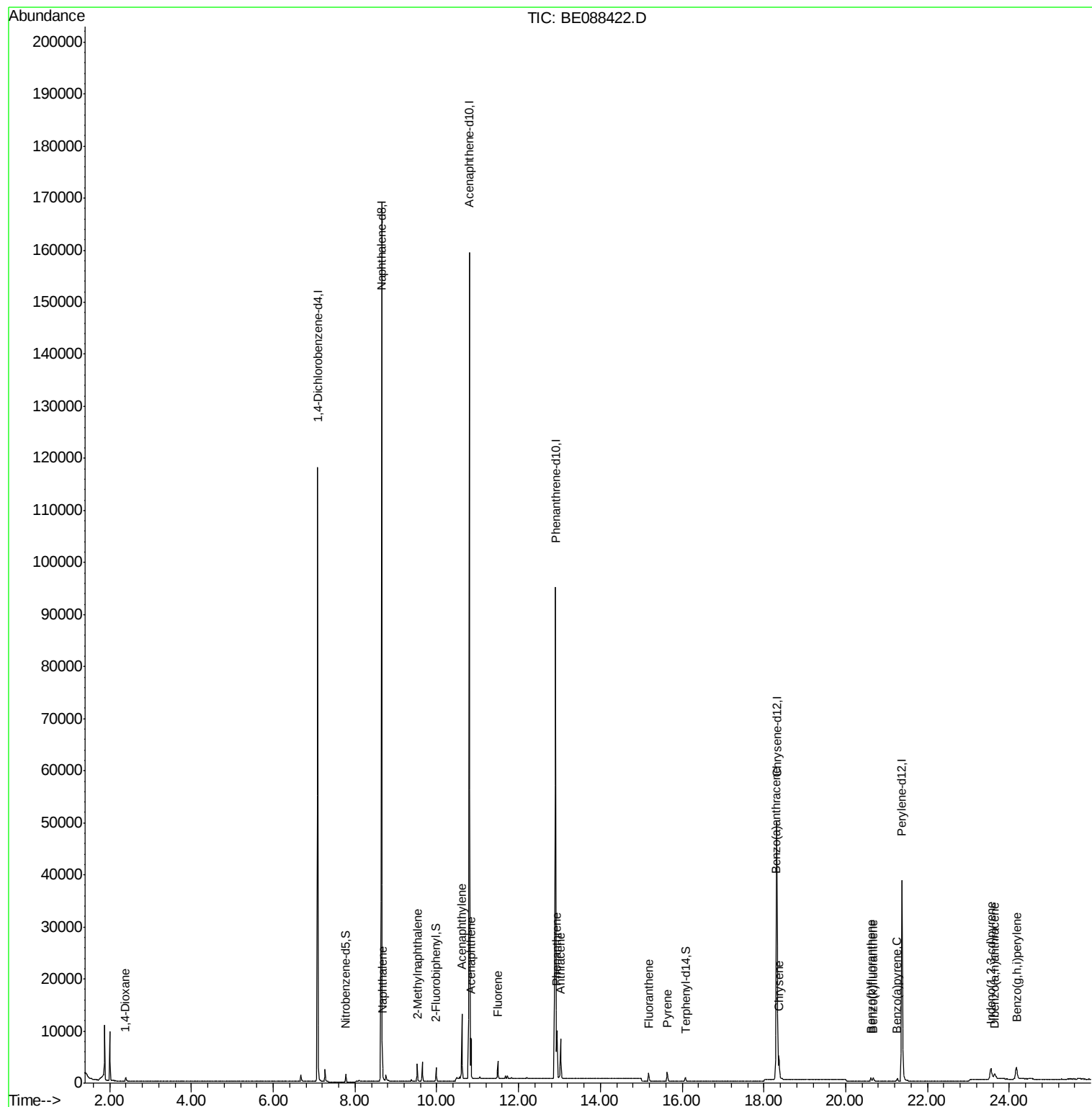
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088422.D
Acq On : 31 Oct 2014 14:46
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Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

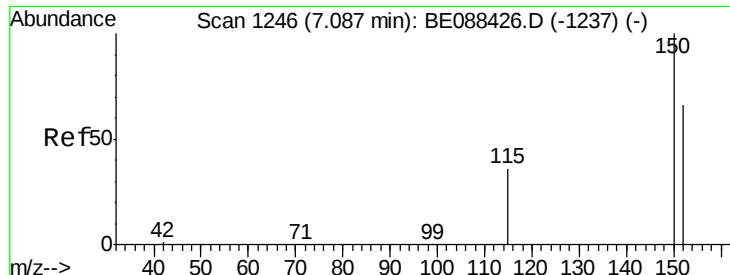
Instrument :
BNA_E
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SSTDICC0.1

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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: BE088422.D

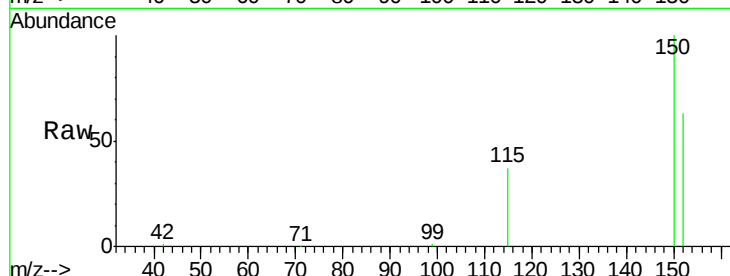
Acq: 31 Oct 2014 14:46

Instrument :

BNA_E

ClientSampleId :

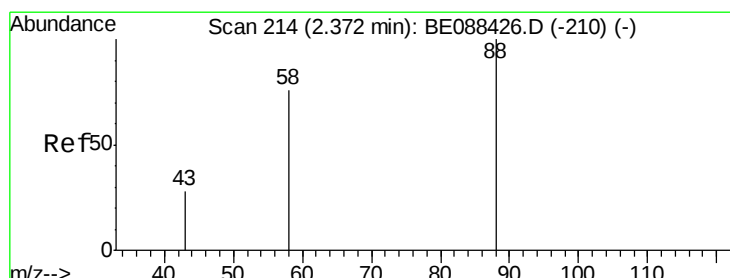
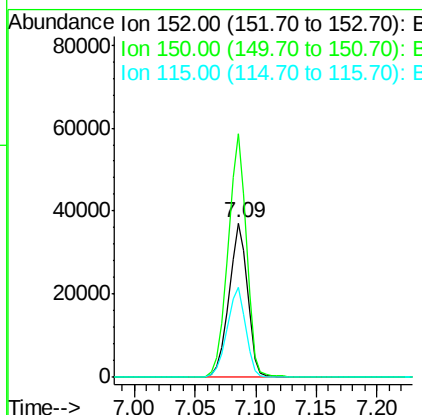
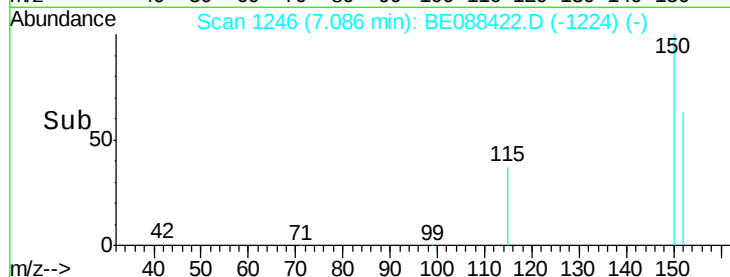
SSTDICC0.1



Tgt Ion:	152	Resp:	39301
Ion Ratio	Lower	Upper	
152	100		
150	157.8	121.8	182.8
115	58.8	43.9	65.9

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#2

1,4-Dioxane

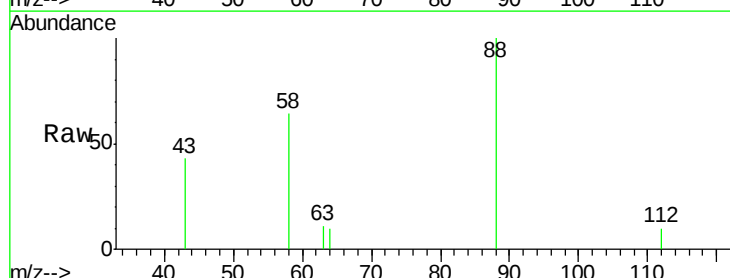
Concen: 0.10 ng

RT: 2.39 min Scan# 218

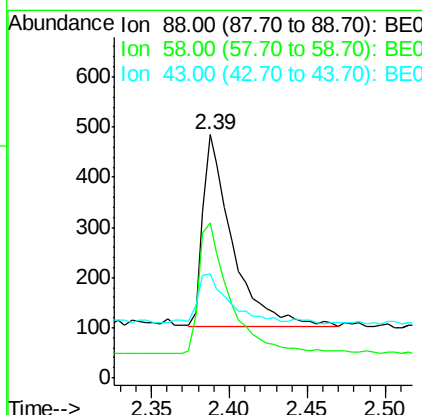
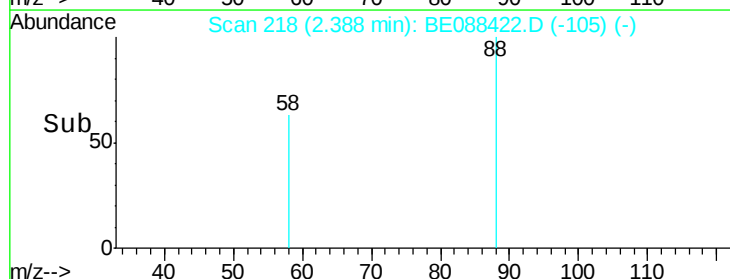
Delta R.T. 0.02 min

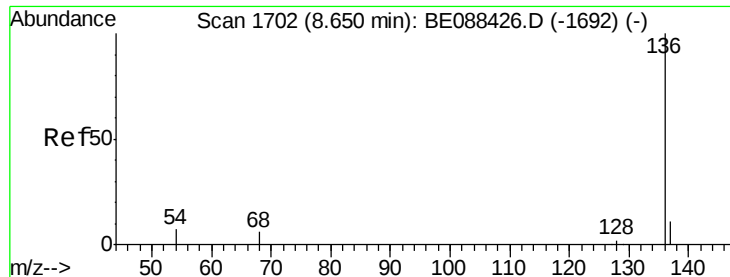
Lab File: BE088422.D

Acq: 31 Oct 2014 14:46



Tgt Ion:	88	Resp:	503
Ion Ratio	Lower	Upper	
88	100		
58	72.0	59.1	88.7
43	0.0	21.9	32.9#





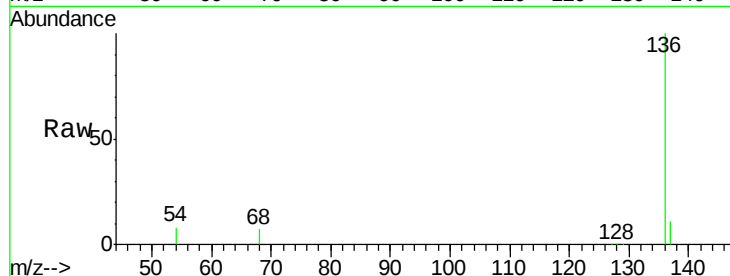
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1701
Delta R.T. -0.00 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

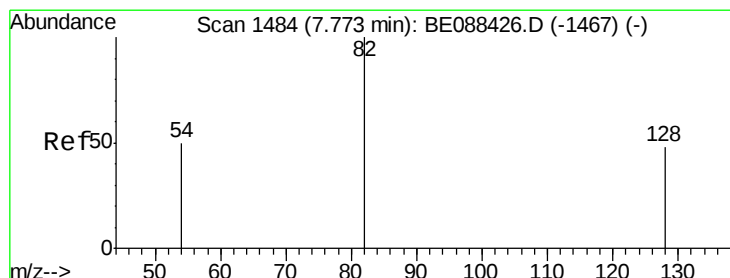
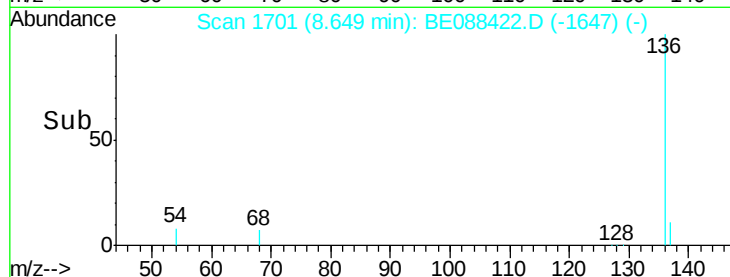
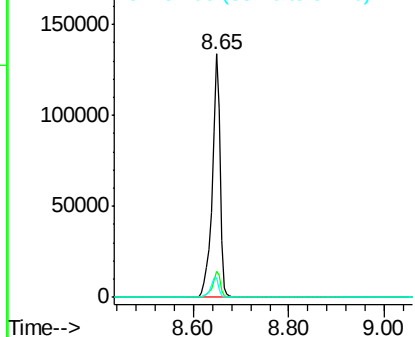
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	149770		
137	10.8	8.8	13.2	
54	7.8	5.3	7.9	

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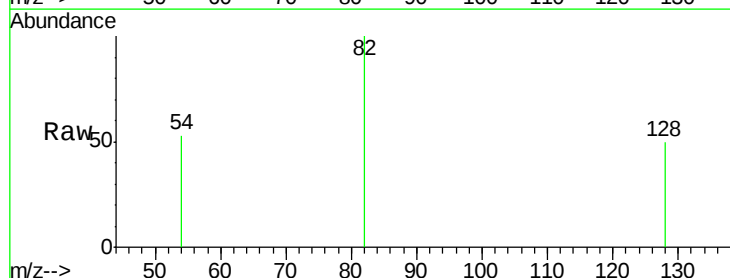


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

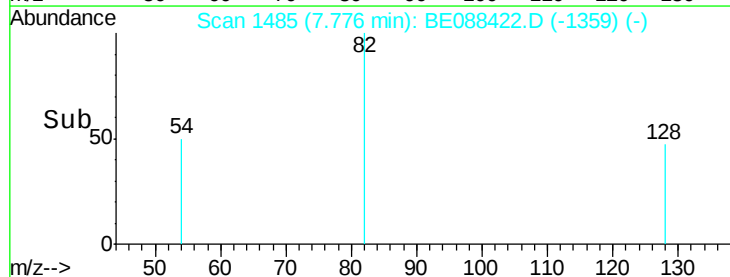
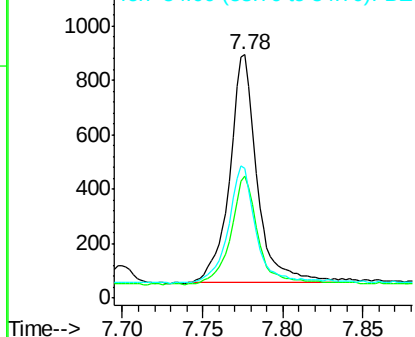


#4
Nitrobenzene-d5
Concen: 0.09 ng
RT: 7.78 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	995		
128	49.9	38.4	57.6	
54	53.2	40.2	60.2	



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





#5

Naphthalene

Concen: 0.10 ng

RT: 8.68 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Instrument :

BNA_E

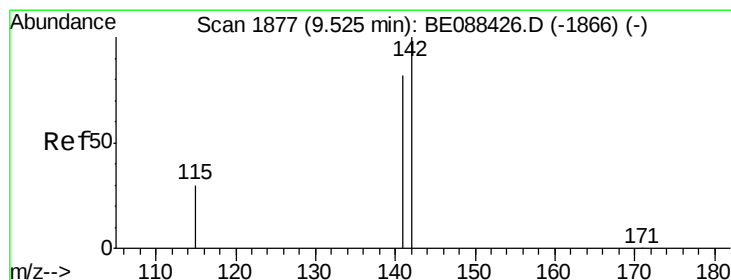
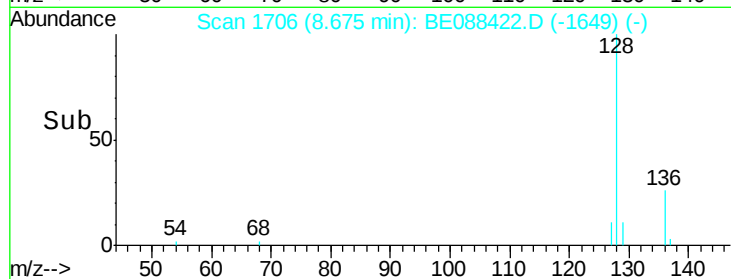
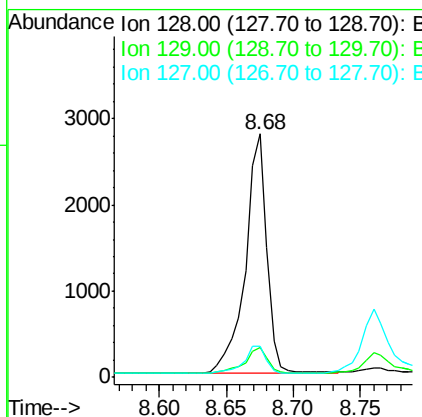
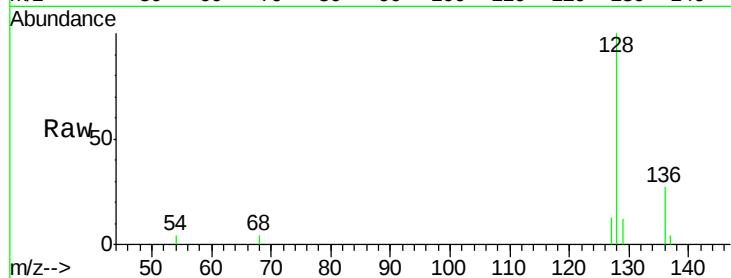
ClientSampleId :

SSTDICC0.1

Tgt Ion:	128	Resp:	3095
Ion Ratio	Lower	Upper	
128	100		
129	12.5	8.6	12.8
127	12.8	10.1	15.1

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#6

2-Methylnaphthalene

Concen: 0.10 ng

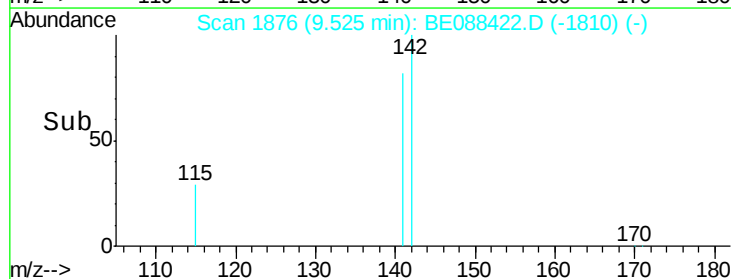
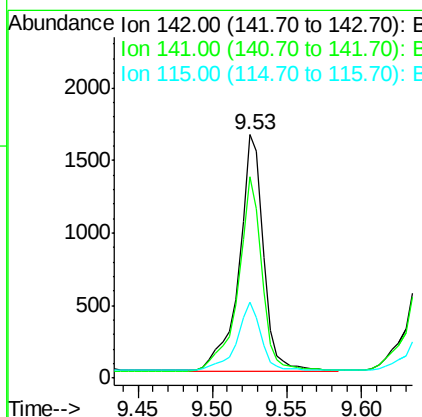
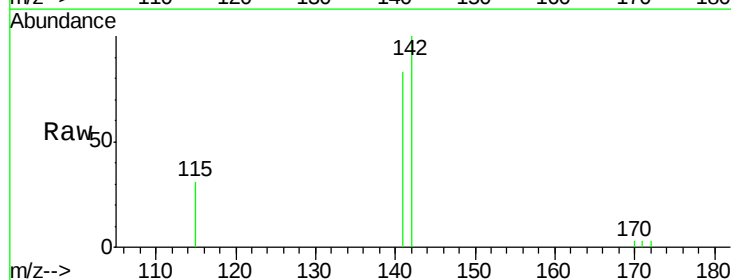
RT: 9.53 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Tgt Ion:	142	Resp:	1846
Ion Ratio	Lower	Upper	
142	100		
141	82.8	65.8	98.8
115	31.3	24.2	36.4





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088422.D

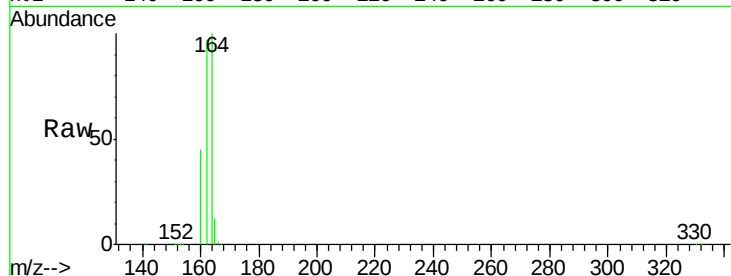
Acq: 31 Oct 2014 14:46

Instrument :

BNA_E

ClientSampleId :

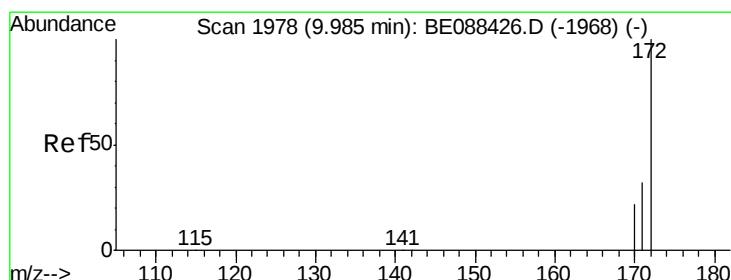
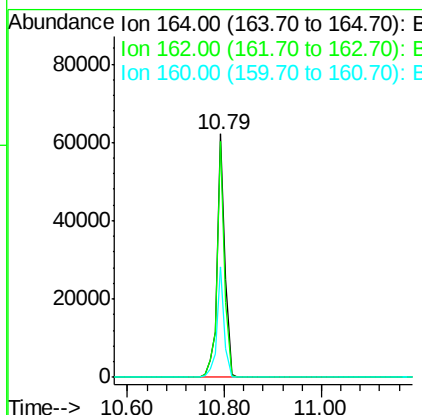
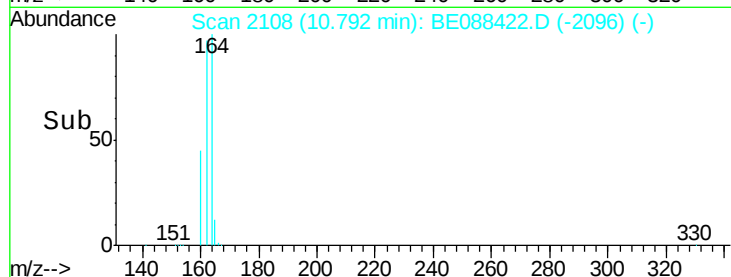
SSTDIC0.1



Tgt Ion:	164	Resp:	68851
Ion Ratio	Lower	Upper	
164	100		
162	96.8	77.0	115.4
160	45.3	36.8	55.2

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#8

2-Fluorobiphenyl

Concen: 0.10 ng

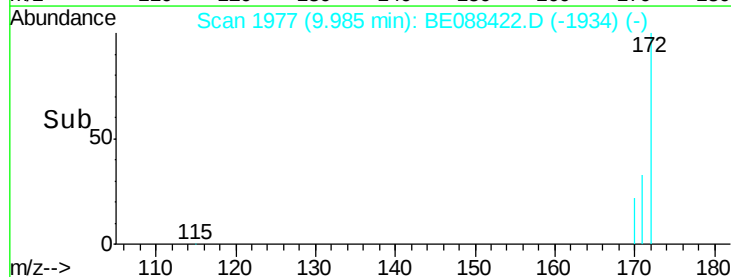
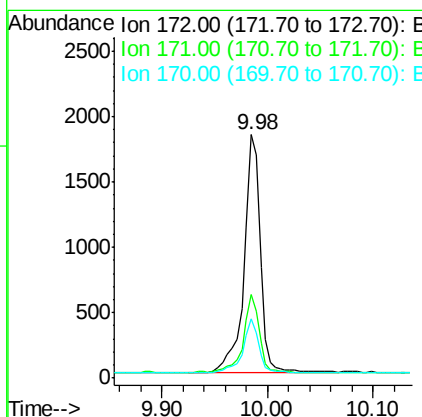
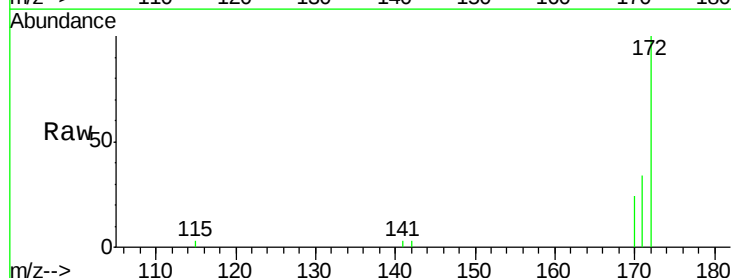
RT: 9.98 min Scan# 1977

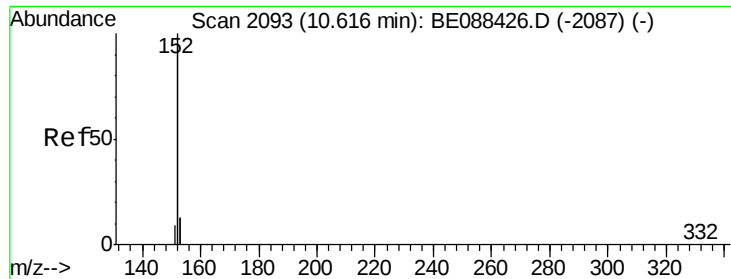
Delta R.T. 0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Tgt Ion:	172	Resp:	1927
Ion Ratio	Lower	Upper	
172	100		
171	34.2	26.0	39.0
170	24.2	17.6	26.4





#9

Acenaphthylene

Concen: 0.11 ng

RT: 10.62 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE088422.D

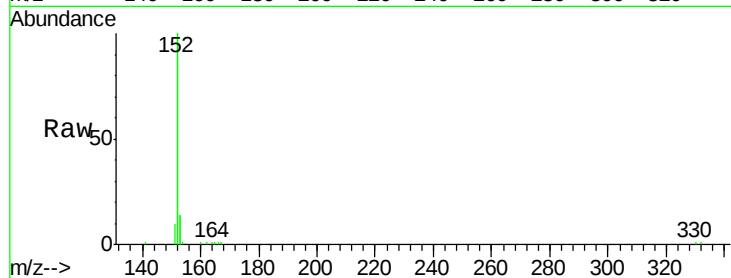
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Instrument :

BNA_E

ClientSampled :

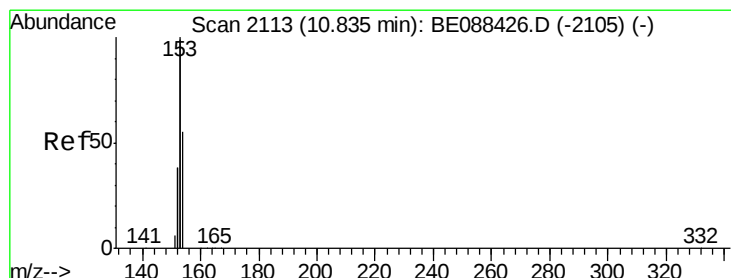
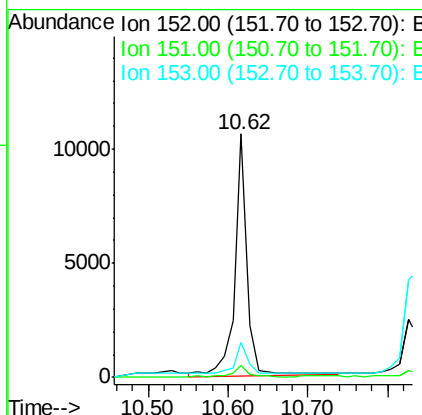
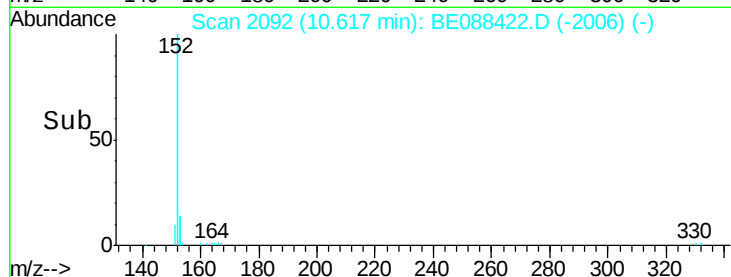
SSTDICC0.1



Tgt Ion:	152	Resp:	11982
Ion Ratio	Lower	Upper	
152	100		
151	4.7	4.4	6.6
153	13.6	10.5	15.7

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#10

Acenaphthene

Concen: 0.11 ng

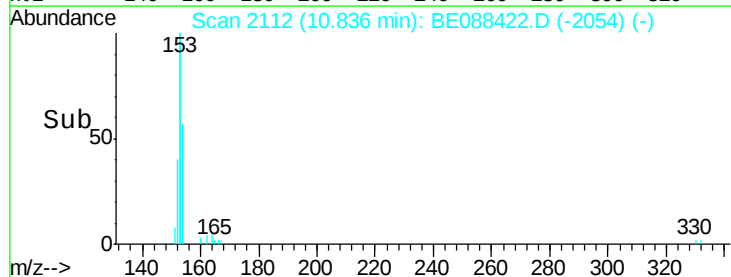
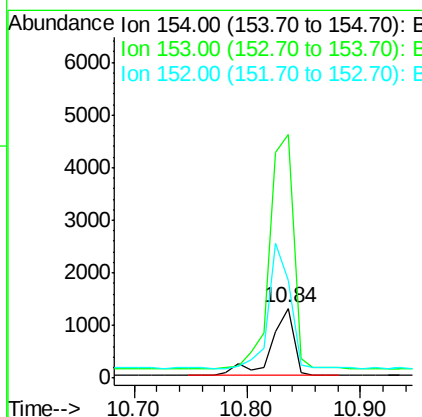
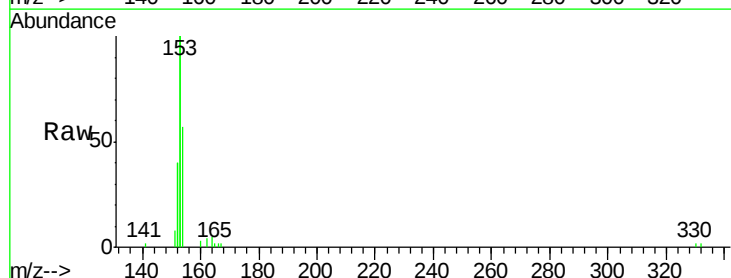
RT: 10.84 min Scan# 2112

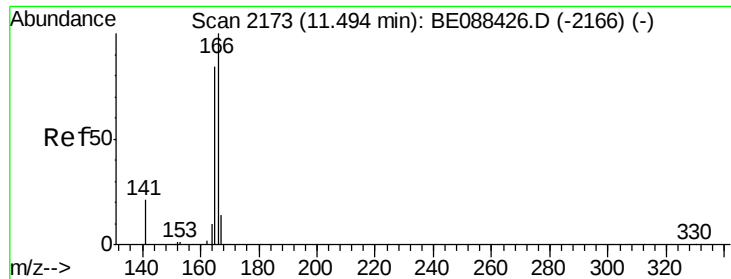
Delta R.T. 0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Tgt Ion:	154	Resp:	1807
Ion Ratio	Lower	Upper	
154	100		
153	357.3	324.3	486.5
152	194.6	154.9	232.3





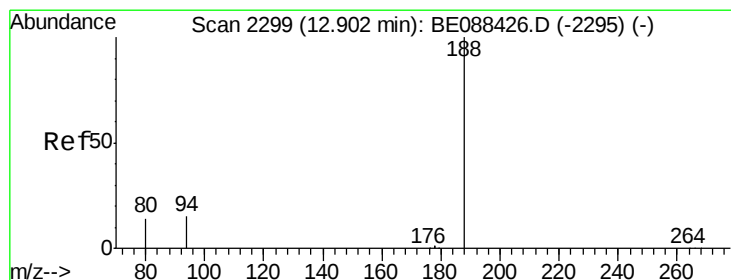
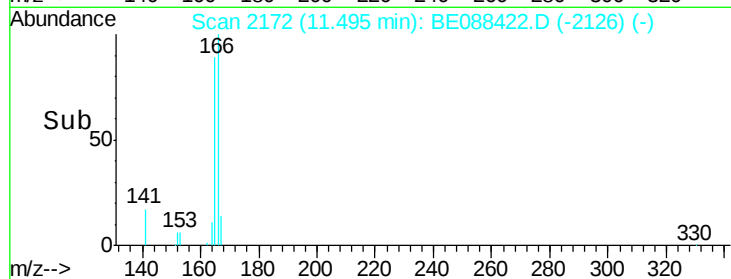
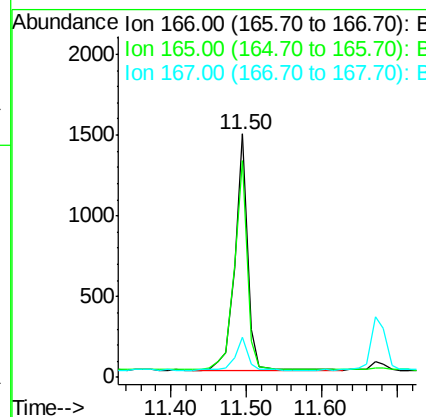
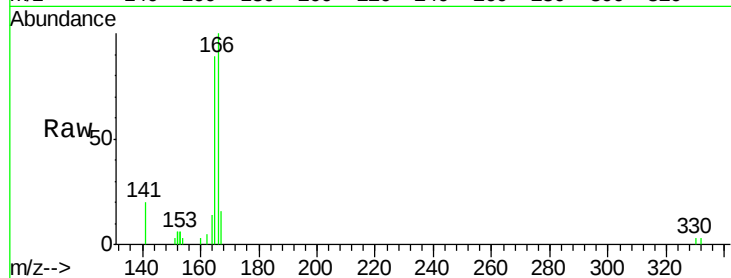
#11
Fluorene
 Concen: 0.10 ng
 RT: 11.50 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: BE088422.D
 Acq: 31 Oct 2014 14:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.0	71.3	106.9
167	13.5	10.7	16.1

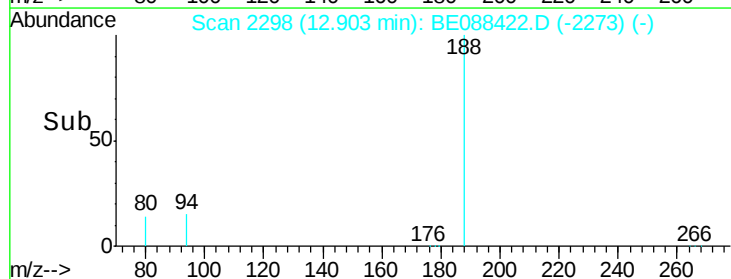
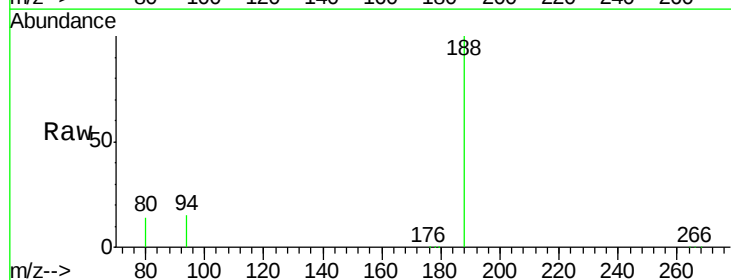
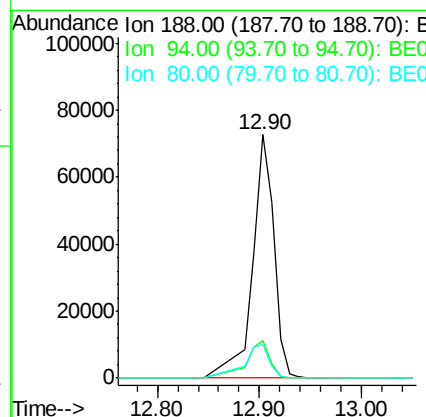
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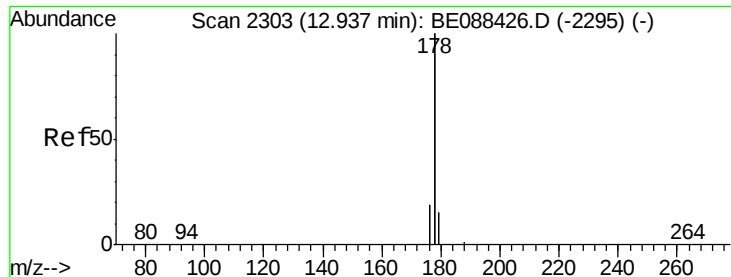
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2298
 Delta R.T. 0.00 min
 Lab File: BE088422.D
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Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.3	11.8	17.8
80	14.1	10.9	16.3





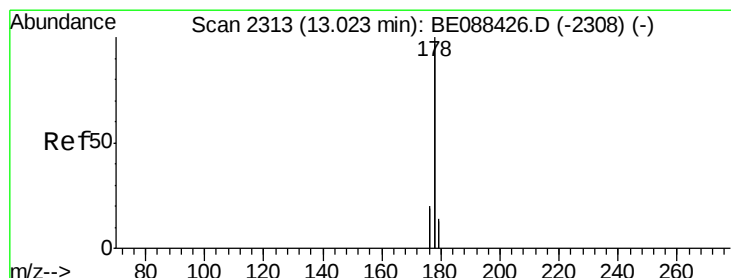
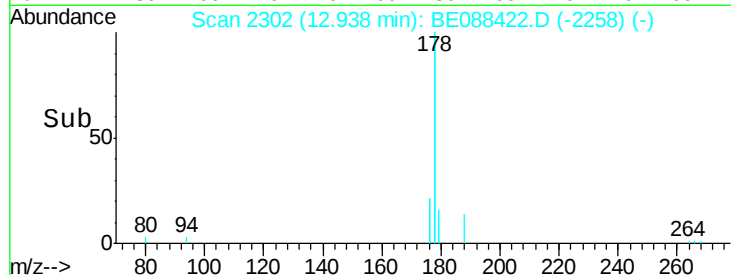
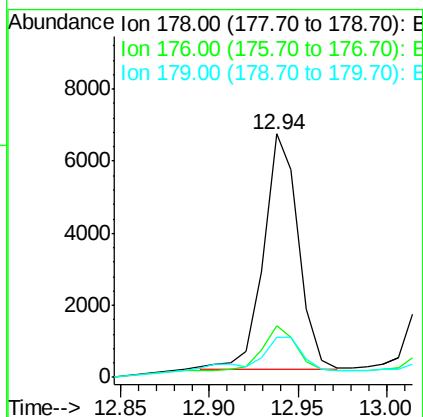
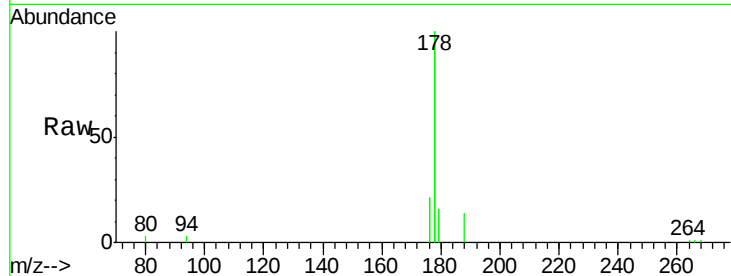
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Phenanthrene
Concen: 0.07 ng m
RT: 12.94 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	17.2	12.8	19.2

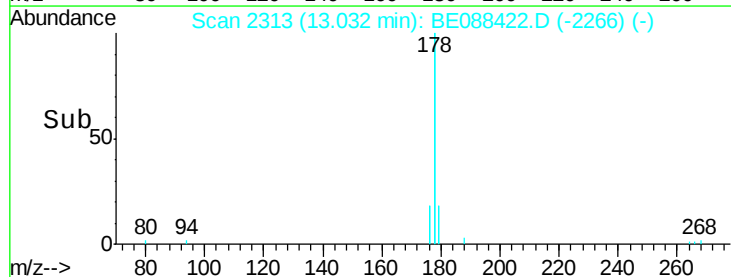
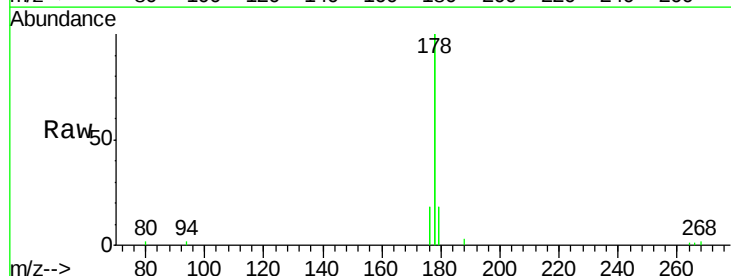
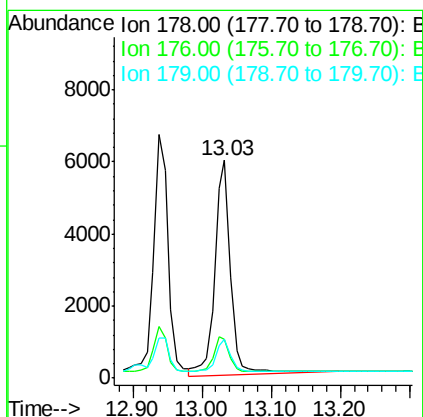
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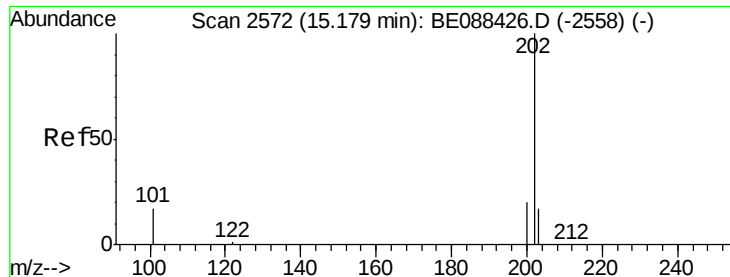
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#14
Anthracene
Concen: 0.10 ng
RT: 13.03 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	16.4	12.5	18.7





#15

Fluoranthene

Concen: 0.09 ng

RT: 15.18 min Scan# 2571

Delta R.T. -0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Instrument :

BNA_E

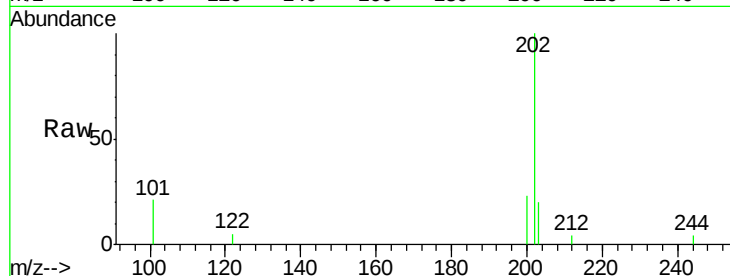
ClientSampleId :

SSTDIC0.1

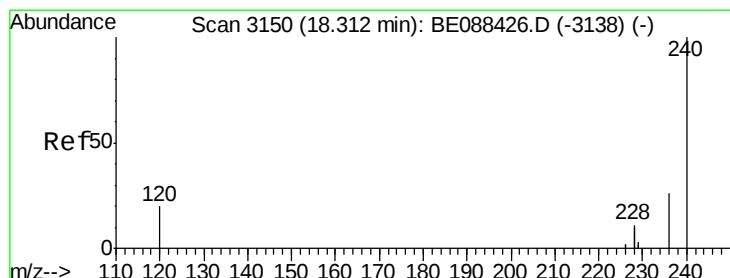
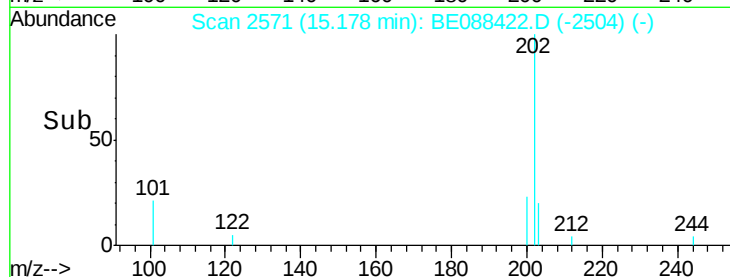
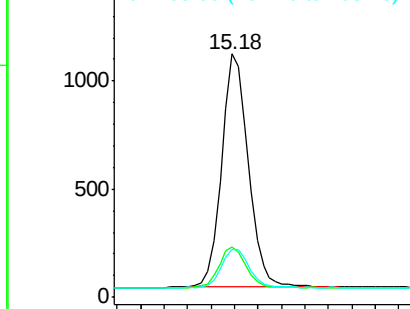
Tgt Ion:	202	Resp:	1696
Ion Ratio	Lower	Upper	
202	100		
101	17.7	14.3	21.5
203	16.9	13.6	20.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#16

Chrysene-d12

Concen: 5.00 ng

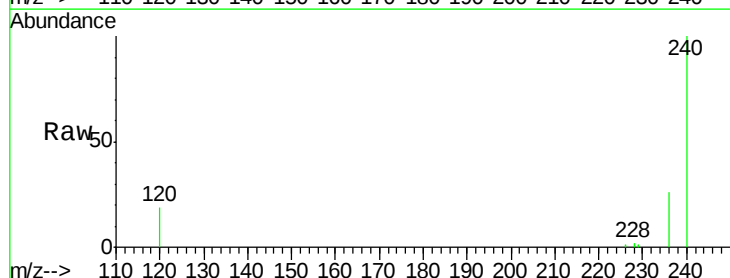
RT: 18.31 min Scan# 3149

Delta R.T. 0.00 min

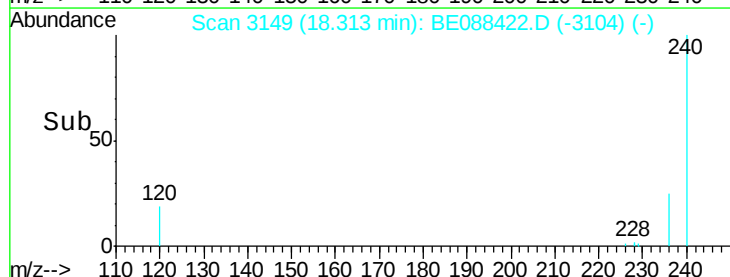
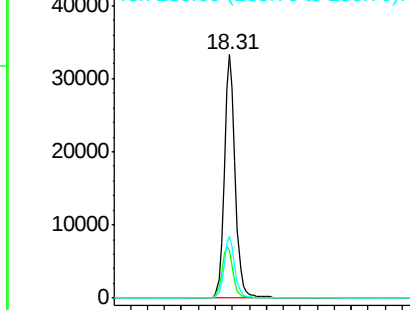
Lab File: BE088422.D

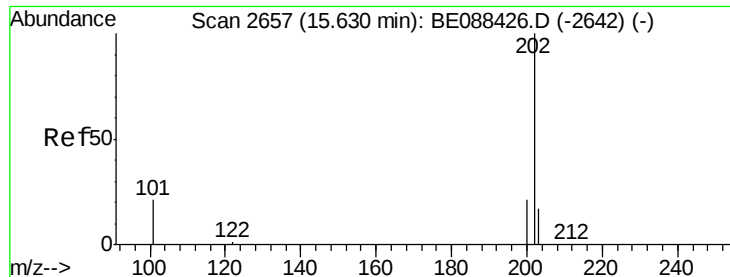
Acq: 31 Oct 2014 14:46

Tgt Ion:	240	Resp:	59649
Ion Ratio	Lower	Upper	
240	100		
120	19.5	16.4	24.6
236	25.5	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





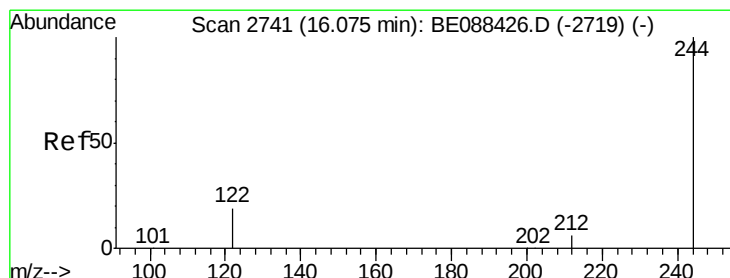
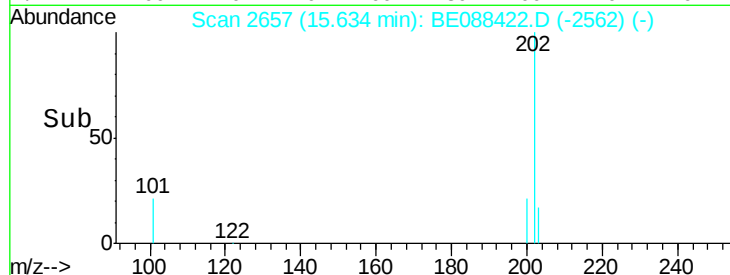
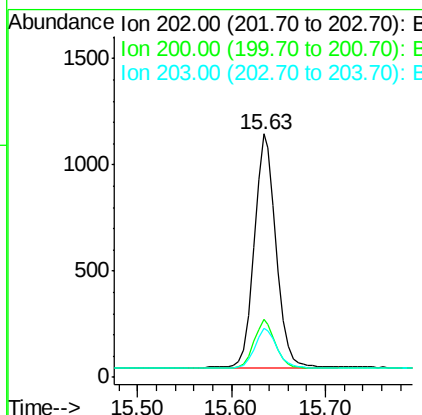
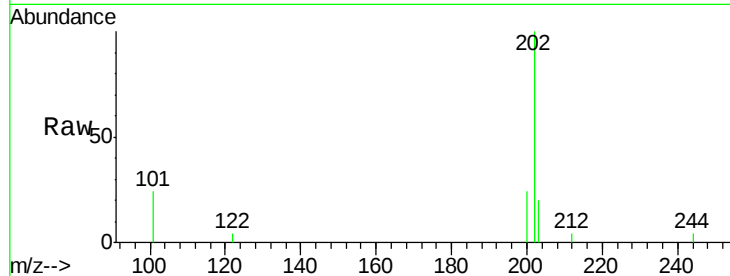
#17
Pyrene
Concen: 0.09 ng
RT: 15.63 min Scan# 2657
Delta R.T. 0.00 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

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

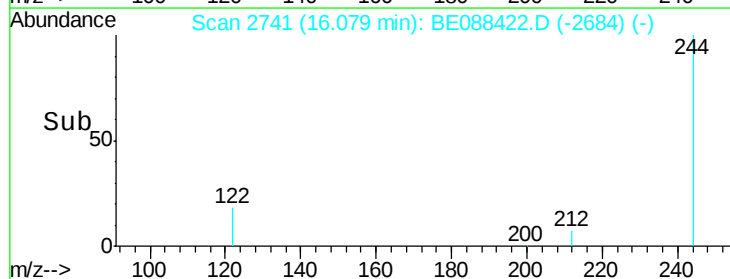
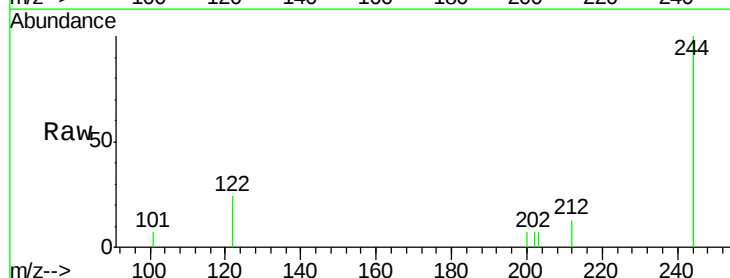
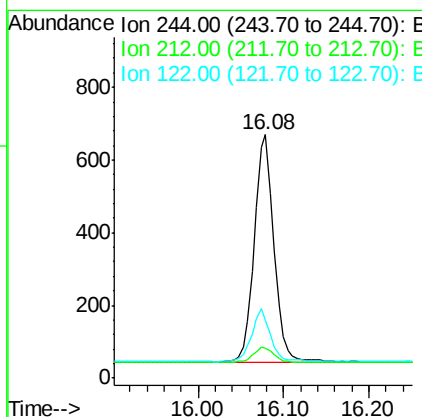
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#18
Terphenyl-d14
Concen: 0.09 ng
RT: 16.08 min Scan# 2741
Delta R.T. 0.00 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	12.5	5.5	8.3#
122	24.0	15.6	23.4#





#19

Benzo(a)anthracene

Concen: 0.10 ng

RT: 18.29 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BE088422.D

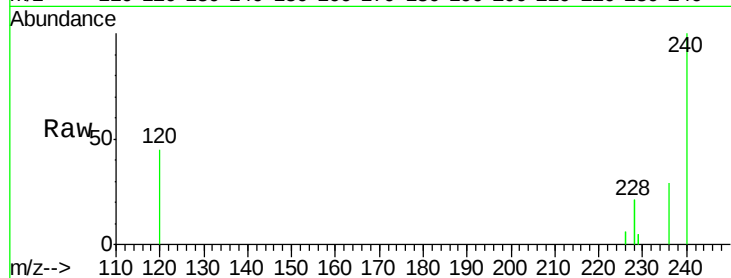
Acq: 31 Oct 2014 14:46

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1



Tgt Ion:228 Resp: 5828

Ion Ratio Lower Upper

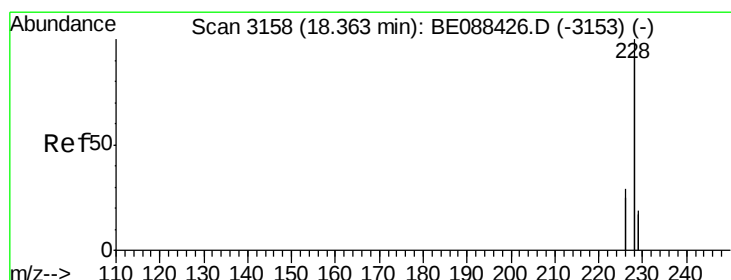
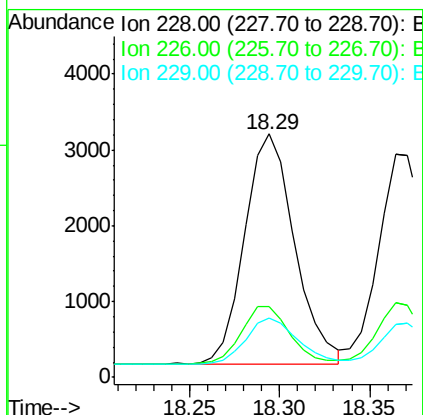
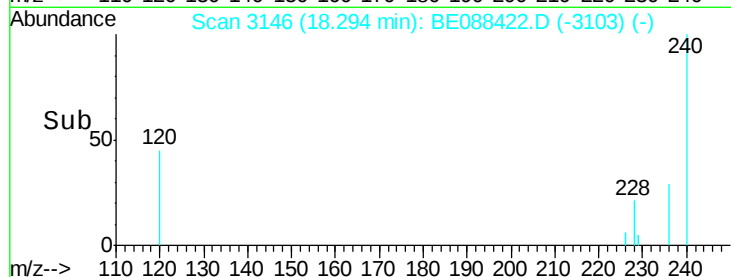
228 100

226 29.0 19.8 29.6

229 24.2 16.0 24.0#

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#20

Chrysene

Concen: 0.10 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

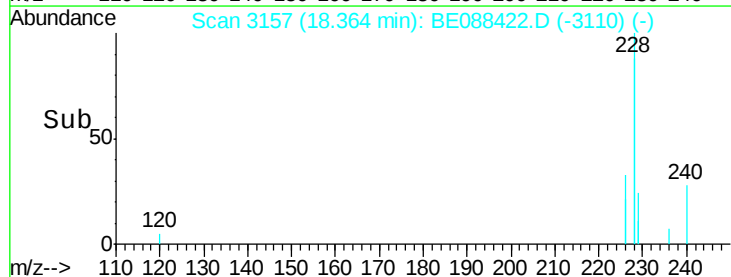
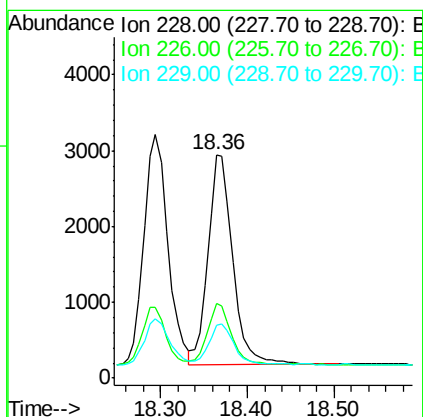
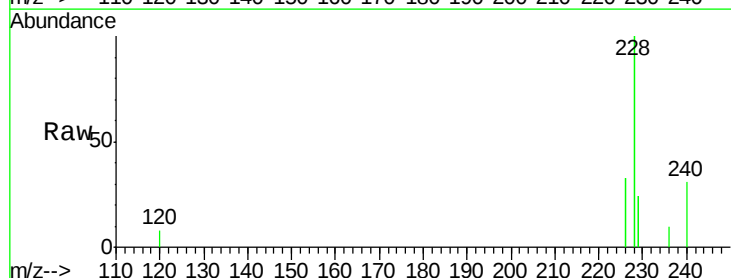
Tgt Ion:228 Resp: 5507

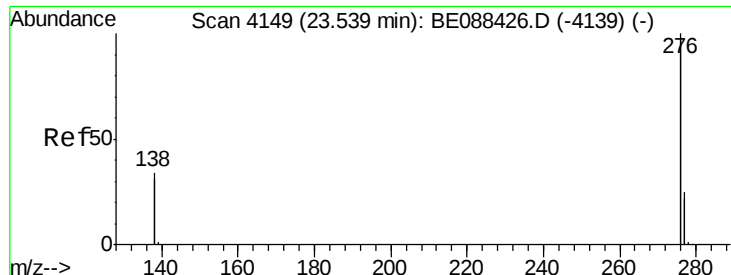
Ion Ratio Lower Upper

228 100

226 33.2 23.6 35.4

229 23.6 15.4 23.2#





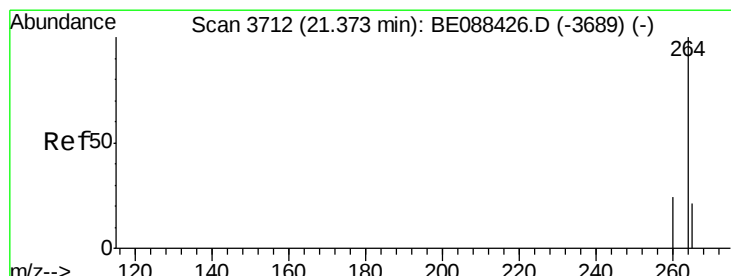
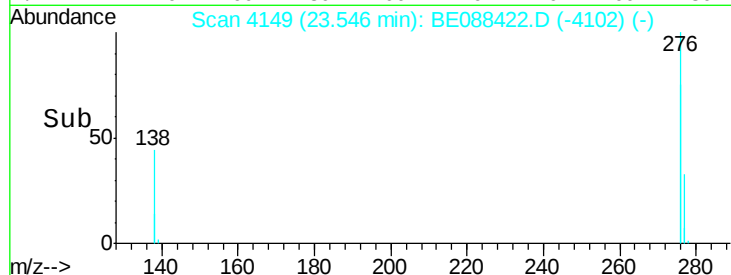
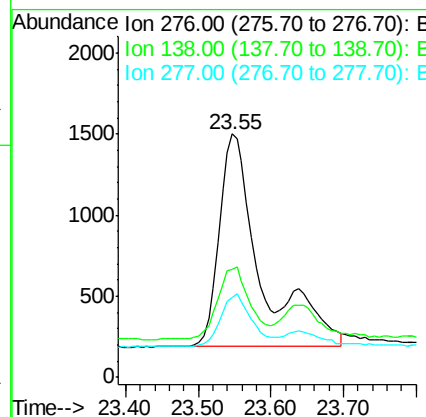
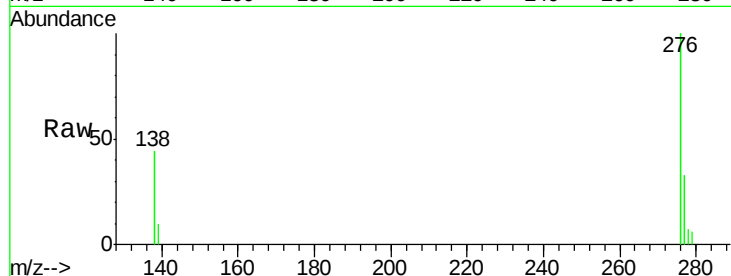
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.10 ng m
RT: 23.55 min Scan# 4149
Delta R.T. 0.01 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	20.2	30.2
277	17.9	14.8	22.2

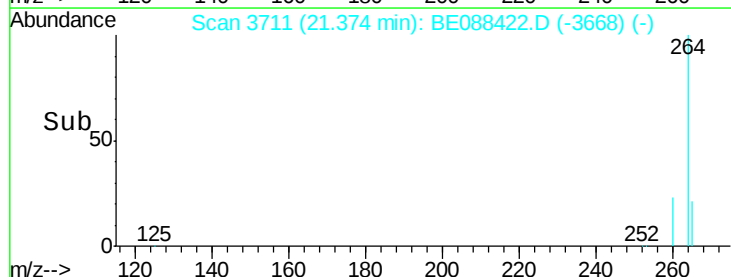
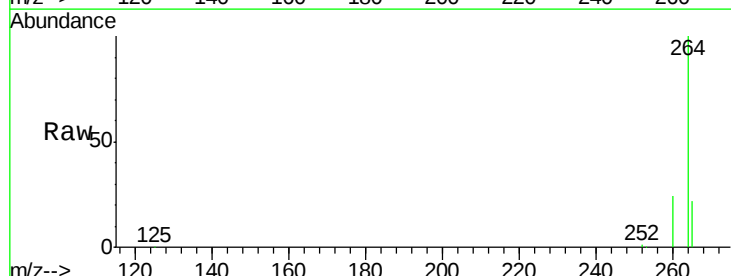
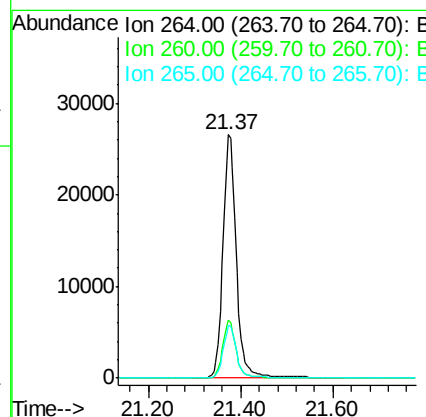
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3711
Delta R.T. 0.00 min
Lab File: BE088422.D
Acq: 31 Oct 2014 14:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.6	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.09 ng

RT: 20.62 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Instrument :

BNA_E

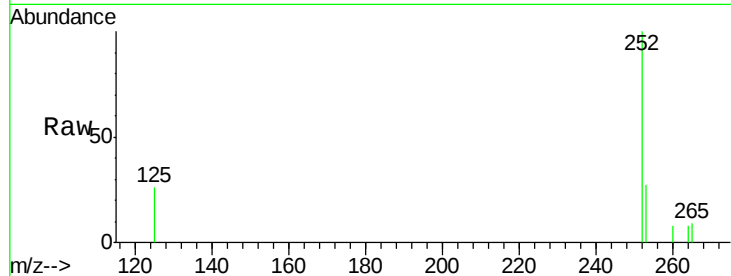
ClientSampleId :

SSTDIC0.1

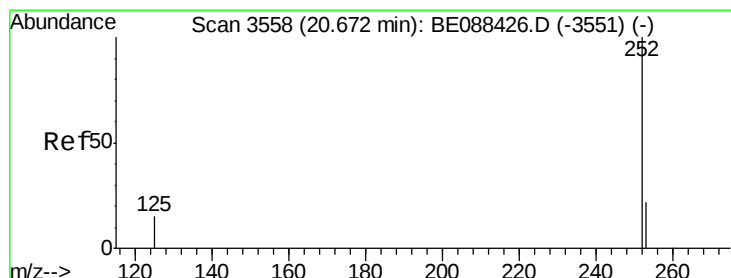
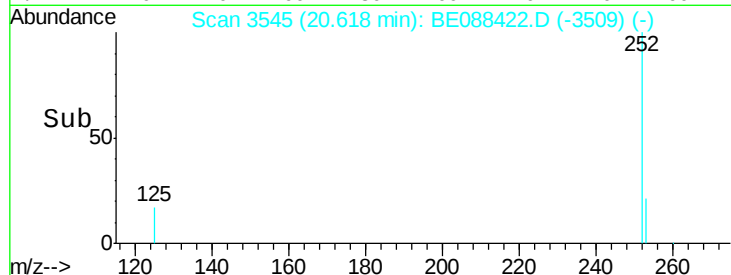
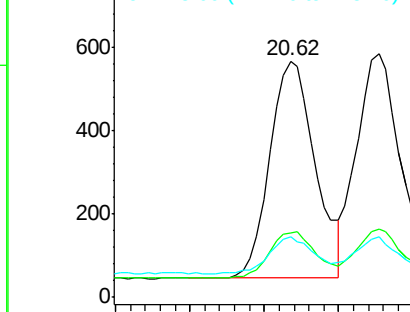
Tgt Ion:	252	Resp:	1109
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.8	26.8#
125	25.7	12.3	18.5#

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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



#24

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 20.68 min Scan# 3558

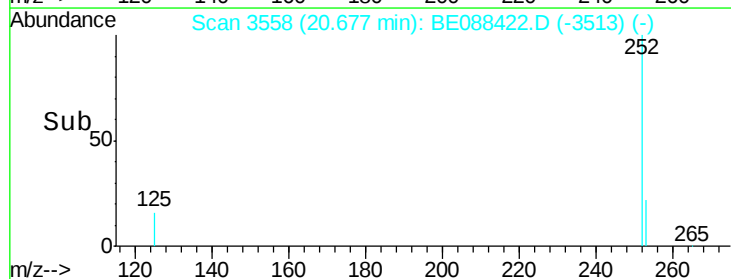
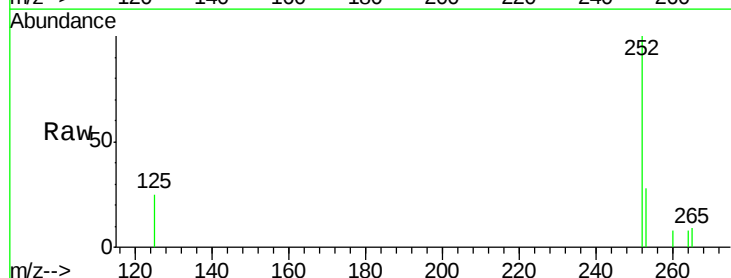
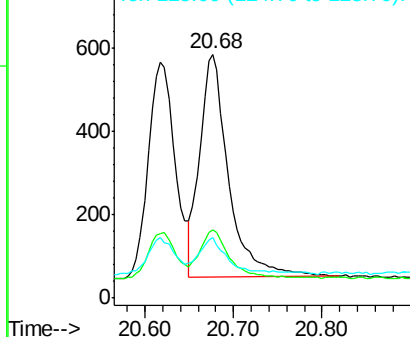
Delta R.T. 0.00 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Tgt Ion:	252	Resp:	1215
Ion Ratio	Lower	Upper	
252	100		
253	27.8	17.8	26.8#
125	24.9	12.2	18.4#

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





#25

Benzo(a)pyrene

Concen: 0.09 ng

RT: 21.26 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BE088422.D

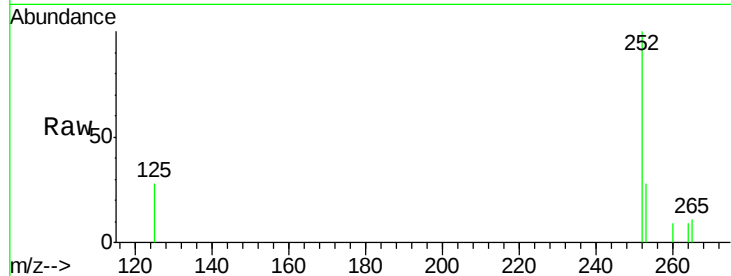
Acq: 31 Oct 2014 14:46

Instrument :

BNA_E

ClientSampleId :

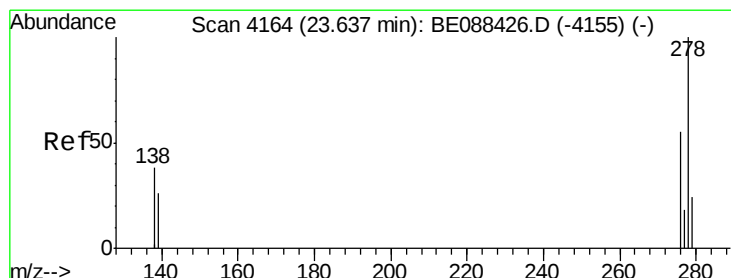
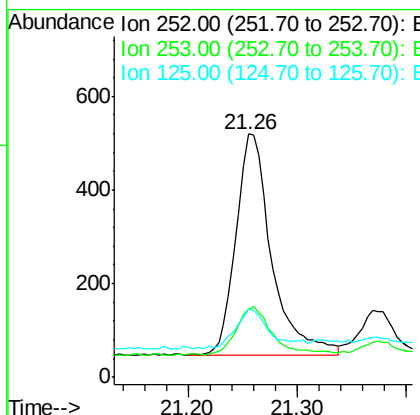
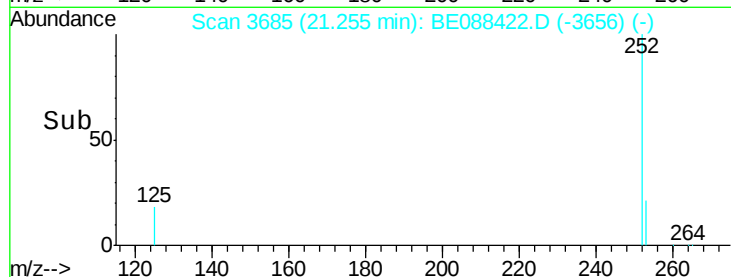
SSTDIC0.1



Tgt Ion:	252	Resp:	1066
Ion Ratio	Lower	Upper	
252	100		
253	27.9	18.2	27.4#
125	28.1	13.7	20.5#

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#26

Dibenzo(a,h)anthracene

Concen: 0.10 ng

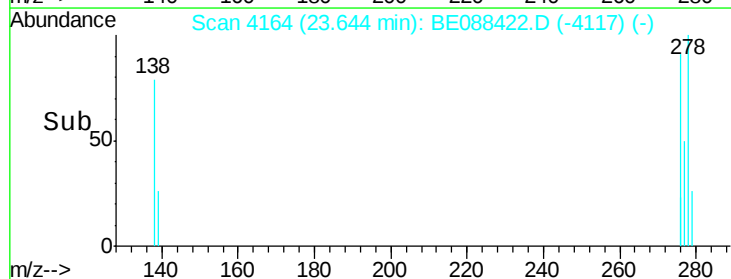
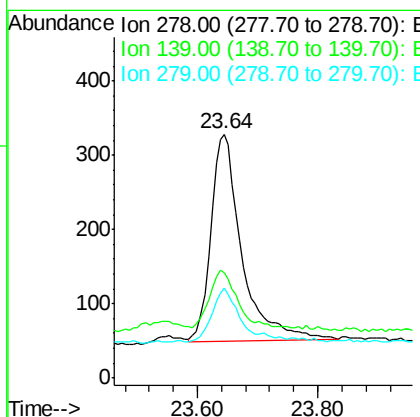
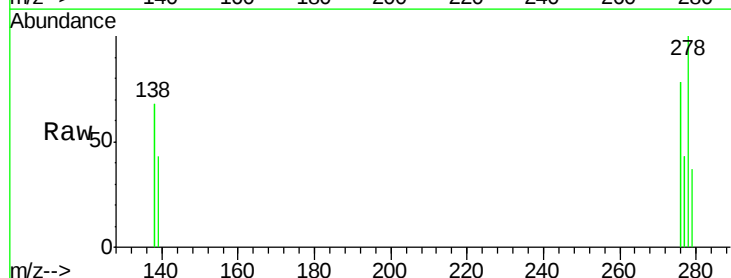
RT: 23.64 min Scan# 4164

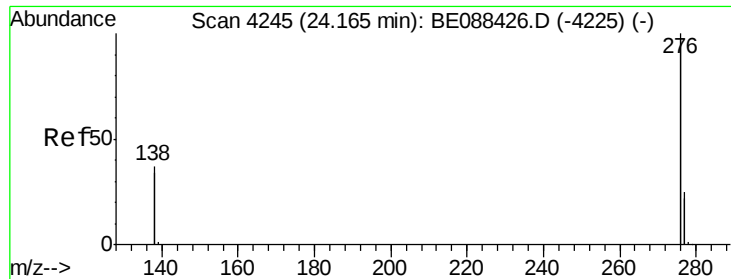
Delta R.T. 0.01 min

Lab File: BE088422.D

Acq: 31 Oct 2014 14:46

Tgt Ion:	278	Resp:	1004
Ion Ratio	Lower	Upper	
278	100		
139	43.0	22.1	33.1#
279	36.9	19.7	29.5#





#27
 Benzo(g,h,i)perylene
 Concen: 0.10 ng
 RT: 24.17 min Scan# 4245
 Delta R.T. 0.01 min
 Lab File: BE088422.D
 Acq: 31 Oct 2014 14:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.0	19.8	29.6#
138	45.8	29.3	43.9#

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