

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088141.D
 Acq On : 21 Oct 2014 14:10
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

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 10/22/2014 1:53:30 PM

Quant Time: Oct 22 04:36:16 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	38169	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	142442	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	63619	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	115323	5.00	ng	0.00
16) Chrysene-d12	18.38	240	84537	5.00	ng	0.00
22) Perylene-d12	21.44	264	75993	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	10283	1.00	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	18432	1.05	ng	0.00
18) Terphenyl-d14	16.14	244	13592	1.00	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	5707	1.04	ng	98
5) Naphthalene	8.72	128	30519	1.04	ng	100
6) 2-Methylnaphthalene	9.58	142	18285	1.04	ng	98
9) Acenaphthylene	10.66	152	101555	1.05	ng	100
10) Acenaphthene	10.88	154	15516	1.04	ng	98
11) Fluorene	11.55	166	16453	1.04	ng	100
13) Phenanthrene	13.00	178	94551m	0.93	ng	
14) Anthracene	13.09	178	89904	1.00	ng	100
15) Fluoranthene	15.25	202	21344	0.97	ng	99
17) Pyrene	15.70	202	22894	1.00	ng	100
19) Benzo(a)anthracene	18.36	228	70622	0.94	ng	98
20) Chrysene	18.43	228	75702	1.03	ng	98
21) Indeno(1,2,3-cd)pyrene	23.63	276	71824m	0.88	ng	
23) Benzo(b)fluoranthene	20.68	252	16627	0.92	ng	99
24) Benzo(k)fluoranthene	20.74	252	19565	1.01	ng	100
25) Benzo(a)pyrene	21.32	252	15328	0.92	ng	99
26) Dibenzo(a,h)anthracene	23.73	278	14604	0.89	ng	100
27) Benzo(g,h,i)perylene	24.26	276	67751	0.94	ng	99

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

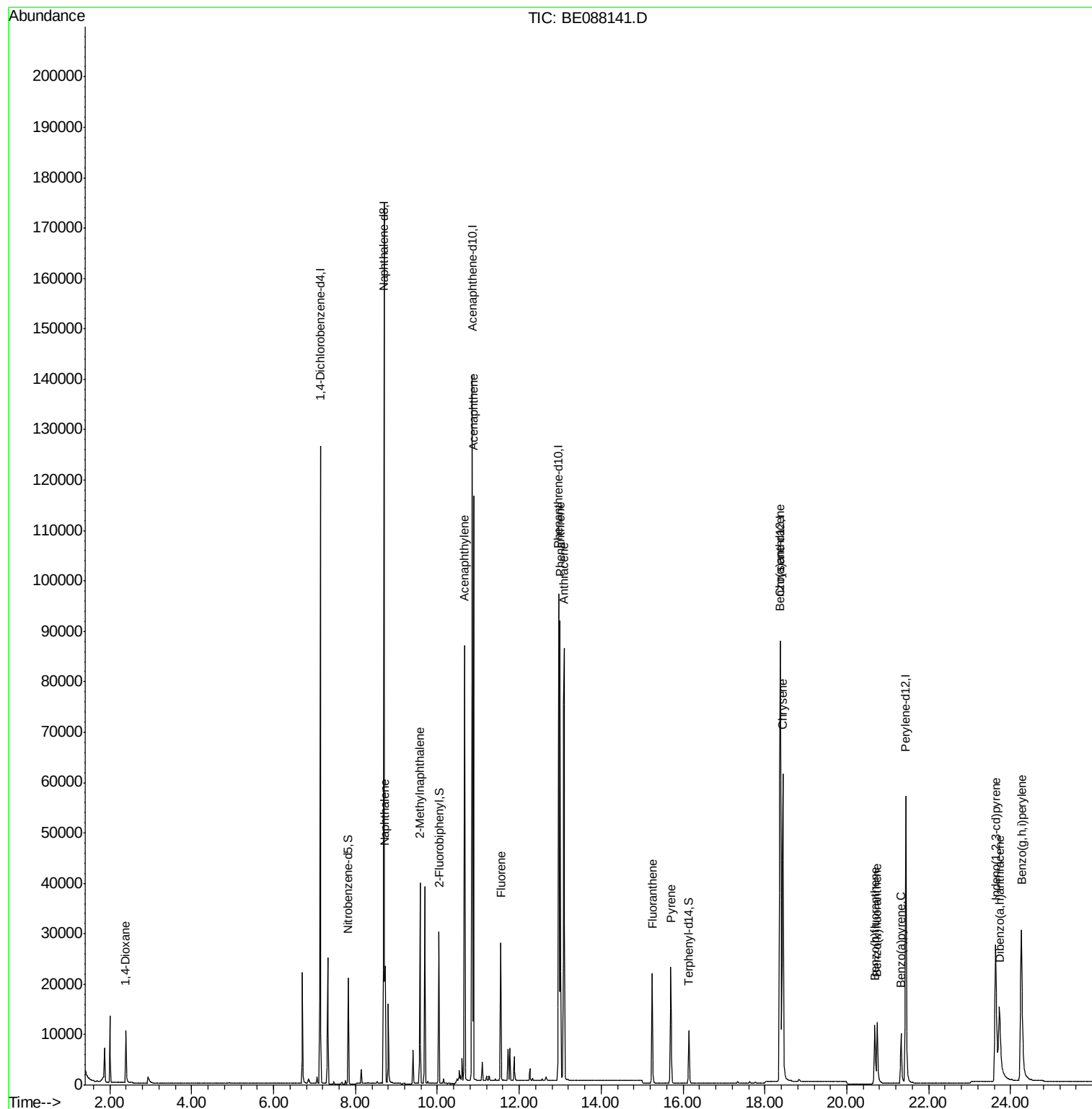
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
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Acq On : 21 Oct 2014 14:10
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Sample : SSTDCCC001
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ALS Vial : 2 Sample Multiplier: 1

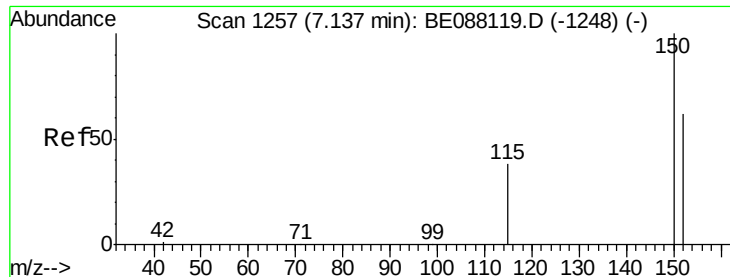
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088141.D

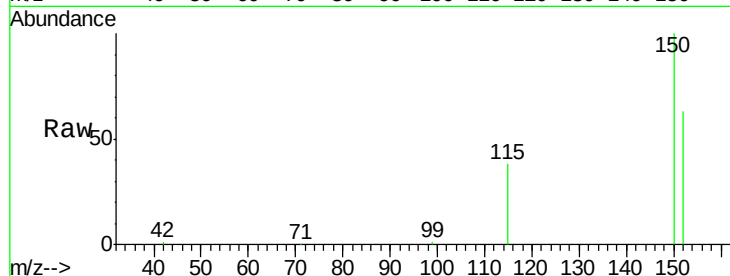
Acq: 21 Oct 2014 14:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 38169

Ion Ratio Lower Upper

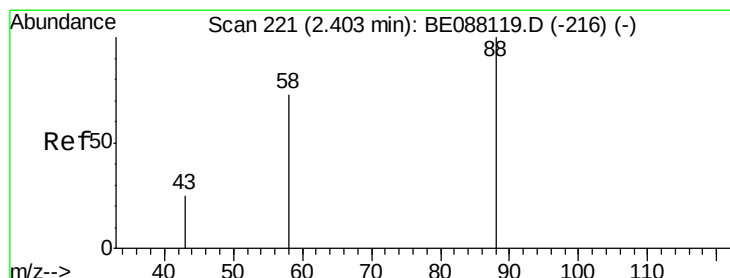
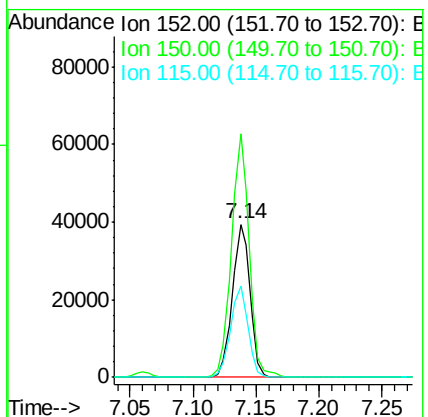
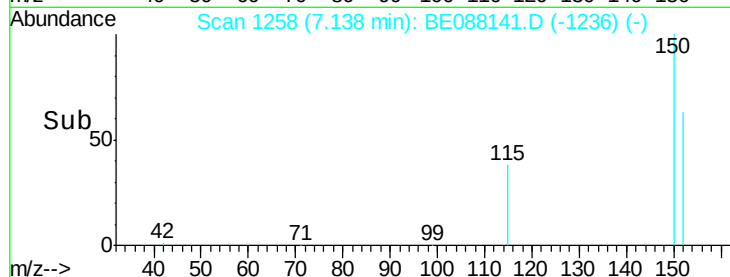
152 100

150 158.9 129.2 193.8

115 59.8 49.3 73.9

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#2

1,4-Dioxane

Concen: 1.04 ng

RT: 2.39 min Scan# 219

Delta R.T. -0.01 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

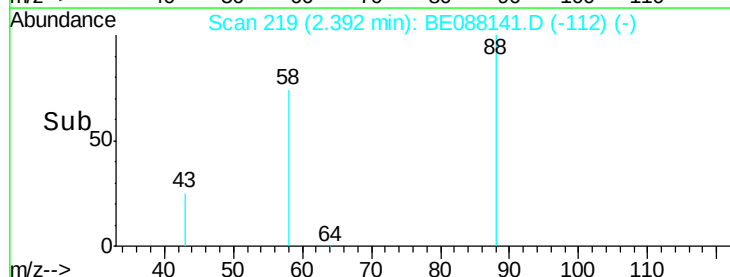
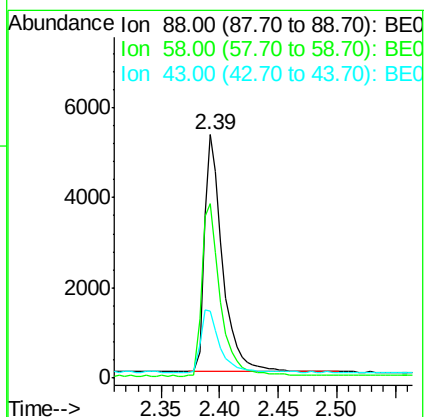
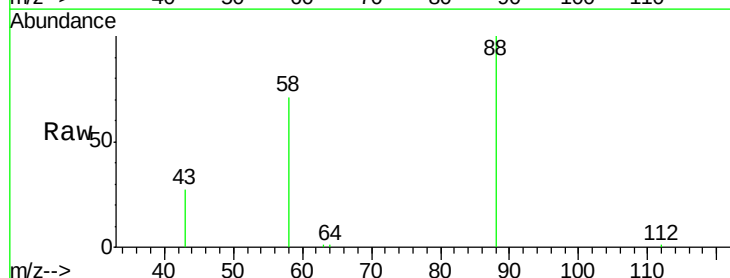
Tgt Ion: 88 Resp: 5707

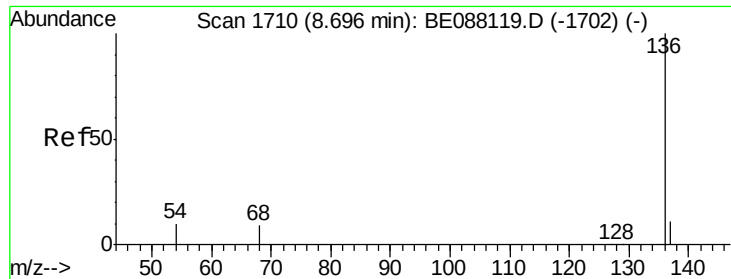
Ion Ratio Lower Upper

88 100

58 75.3 59.5 89.3

43 28.0 21.2 31.8





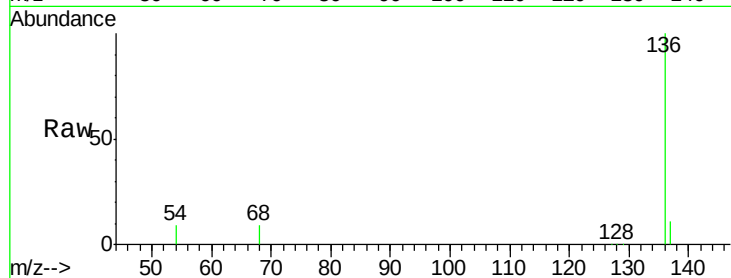
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088141.D
Acq: 21 Oct 2014 14:10

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

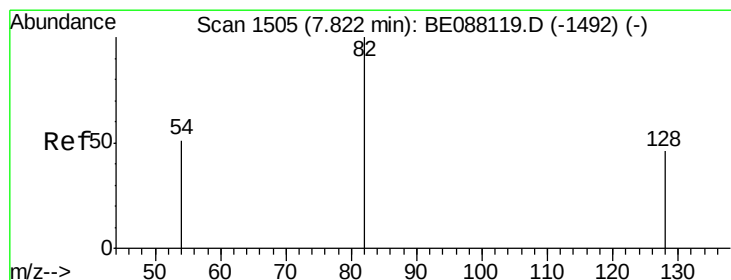
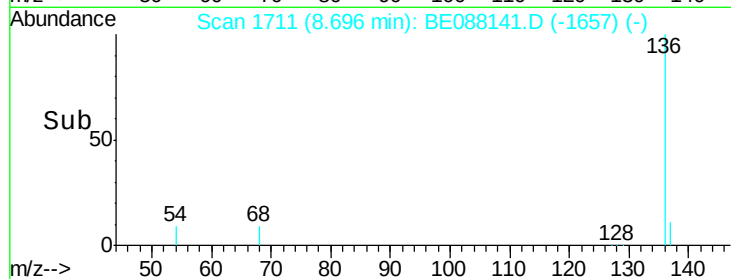
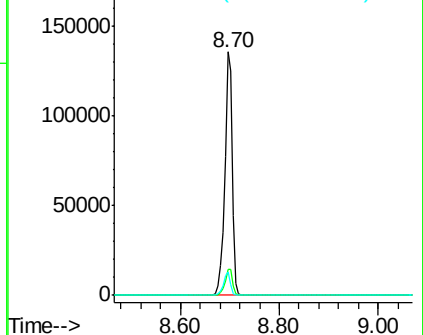
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	142442		
137	10.7	8.6	12.8	
54	9.5	7.7	11.5	

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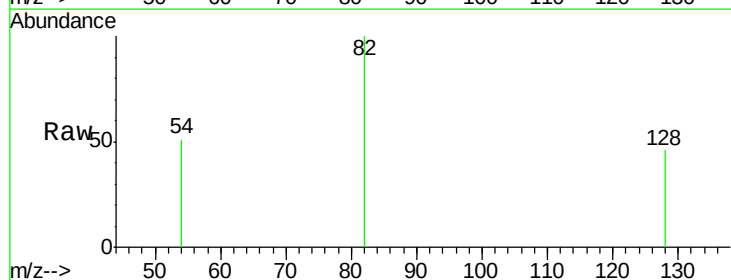


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

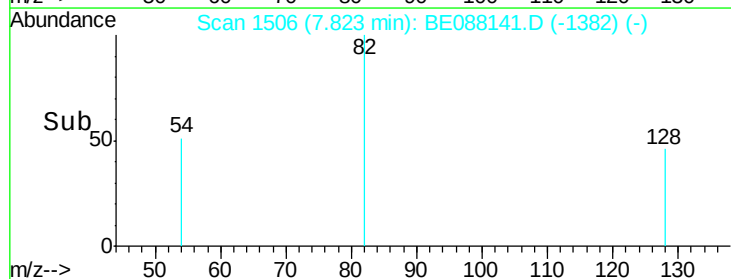
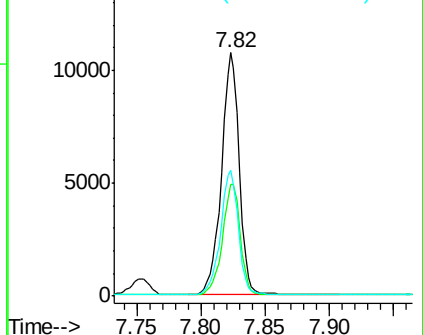


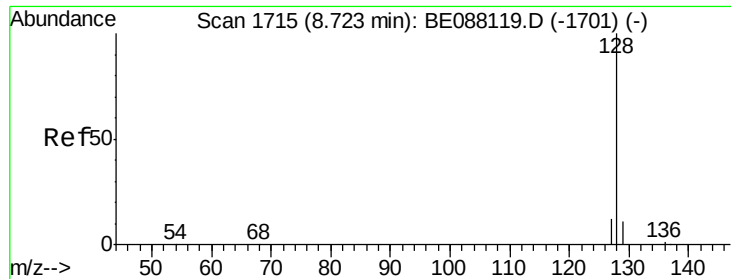
#4
Nitrobenzene-d5
Concen: 1.00 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088141.D
Acq: 21 Oct 2014 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	10283		
128	45.9	37.1	55.7	
54	51.5	41.1	61.7	



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: 1.04 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Instrument :

BNA_E

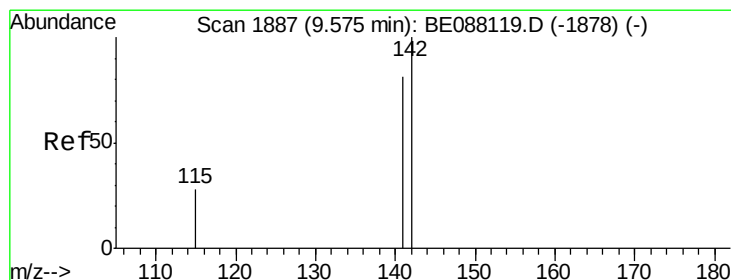
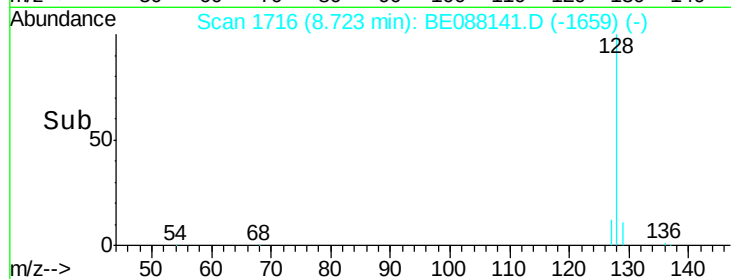
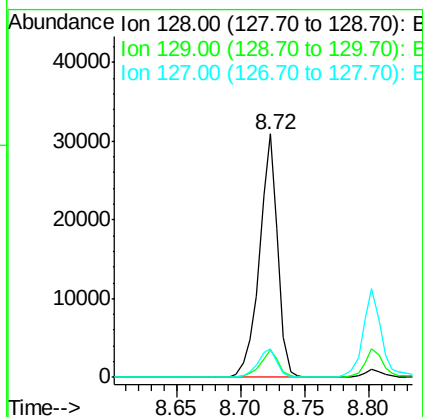
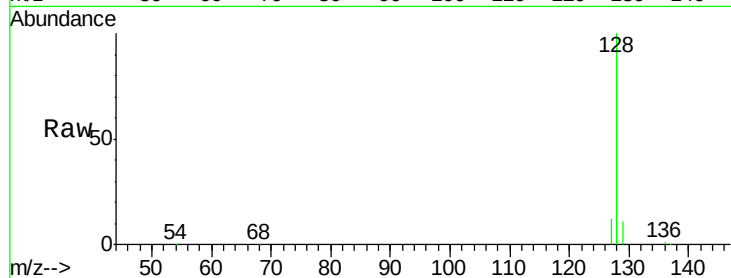
ClientSampleId :

SSTDCCC001

Tgt Ion:	128	Resp:	30519
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.9	13.3
127	11.9	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 1.04 ng

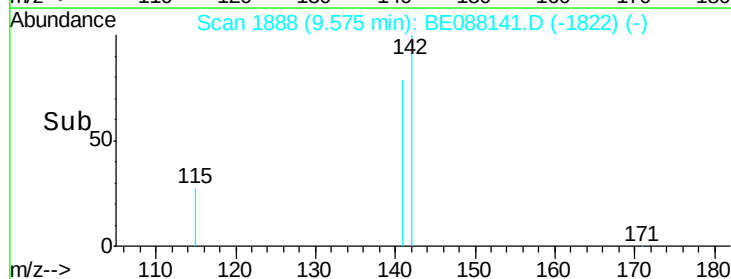
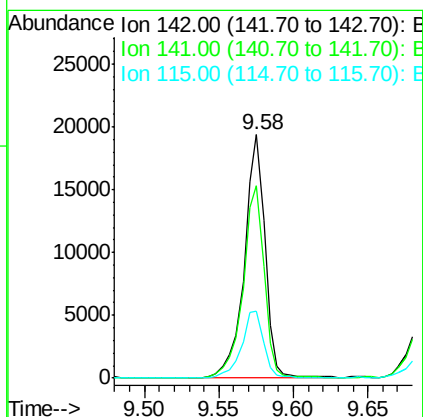
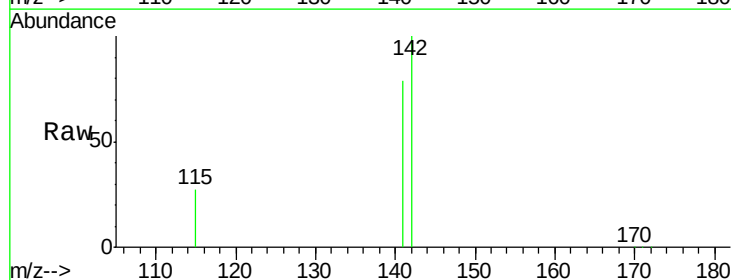
RT: 9.58 min Scan# 1888

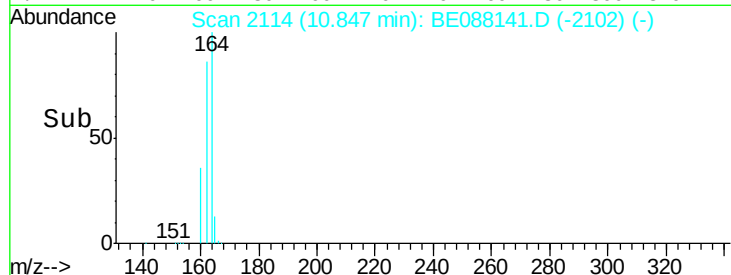
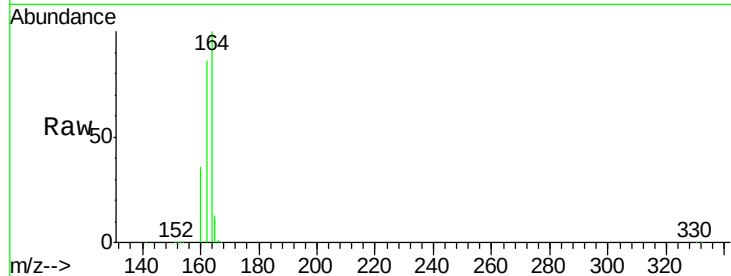
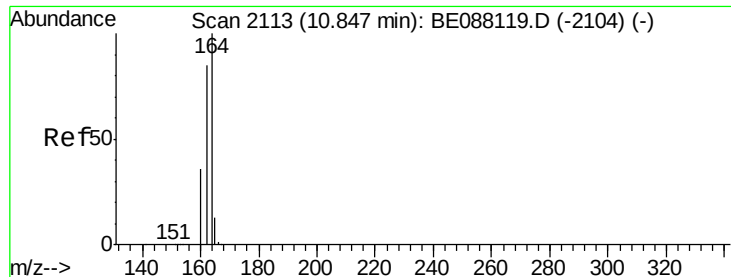
Delta R.T. 0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Tgt Ion:	142	Resp:	18285
Ion Ratio	Lower	Upper	
142	100		
141	79.0	64.6	97.0
115	27.5	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Tgt Ion:	164	Resp:	63619
Ion Ratio	Lower	Upper	
164	100		
162	85.7	68.3	102.5
160	36.0	28.7	43.1

Instrument :

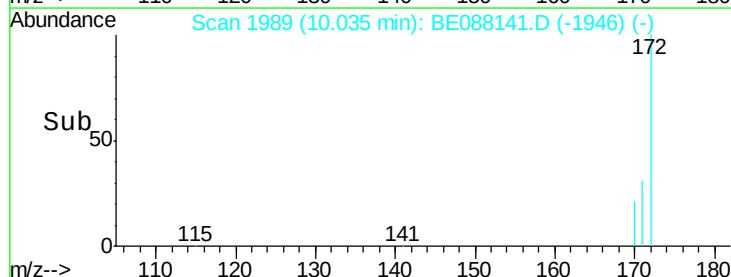
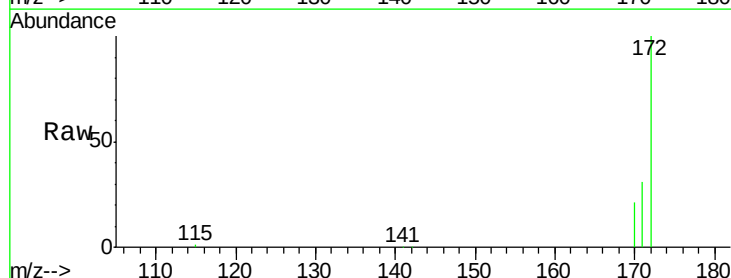
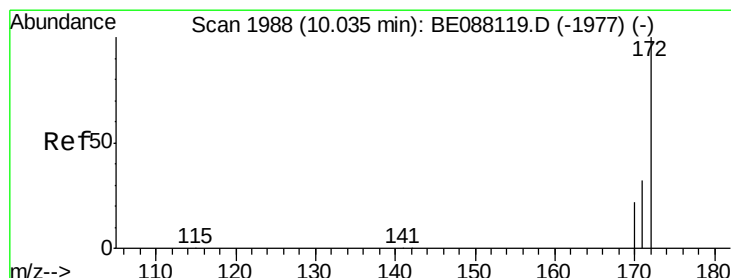
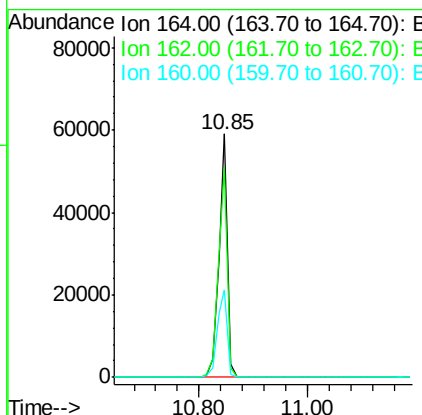
BNA_E

ClientSampleId :

SSTDCCC001

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#8

2-Fluorobiphenyl

Concen: 1.05 ng

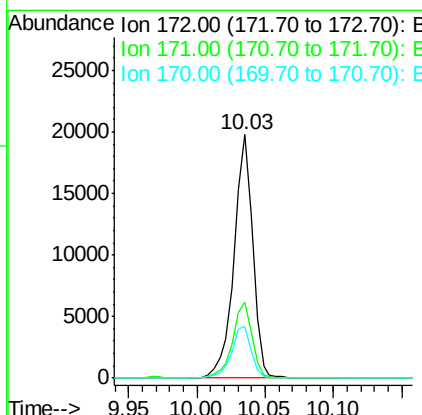
RT: 10.03 min Scan# 1989

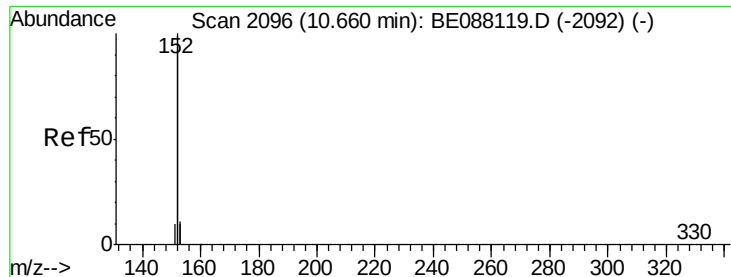
Delta R.T. 0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Tgt Ion:	172	Resp:	18432
Ion Ratio	Lower	Upper	
172	100		
171	31.3	25.4	38.2
170	20.9	17.4	26.2





#9

Acenaphthylene

Concen: 1.05 ng

RT: 10.66 min Scan# 2097

Delta R.T. -0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Instrument :

BNA_E

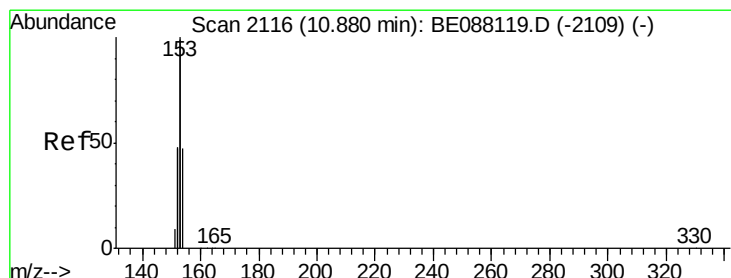
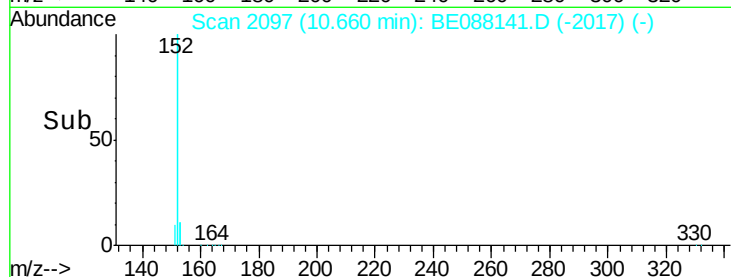
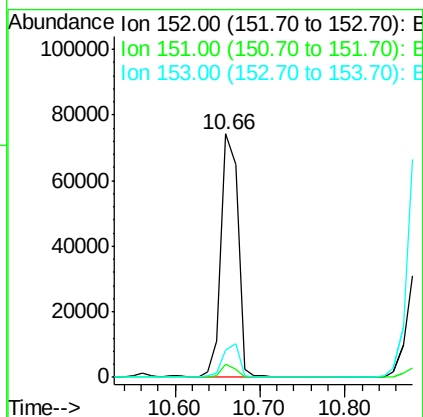
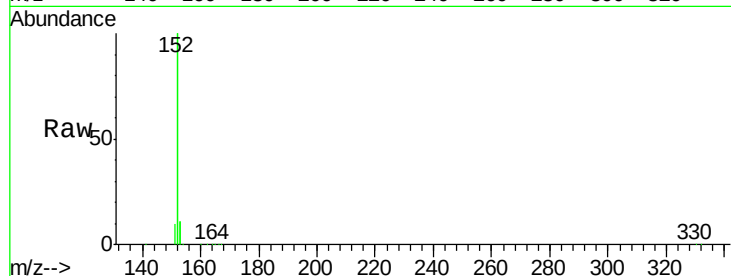
ClientSampleId :

SSTDCCC001

Tgt Ion:	152	Resp:	101555
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.4	15.6

Manual Integrations
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#10

Acenaphthene

Concen: 1.04 ng

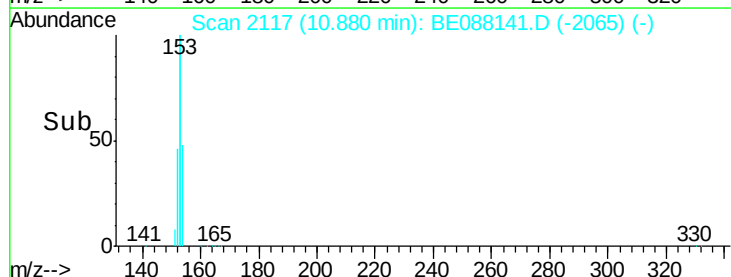
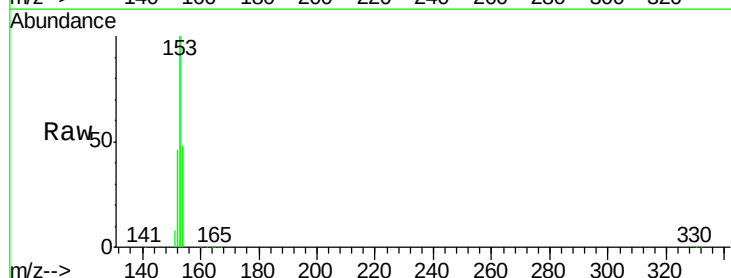
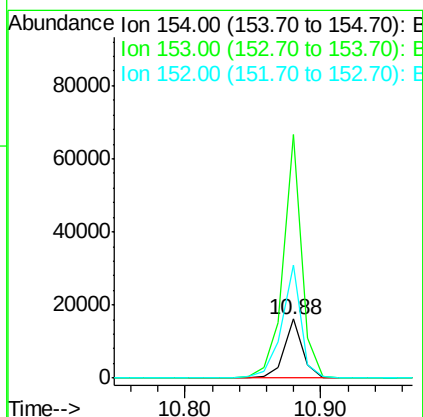
RT: 10.88 min Scan# 2117

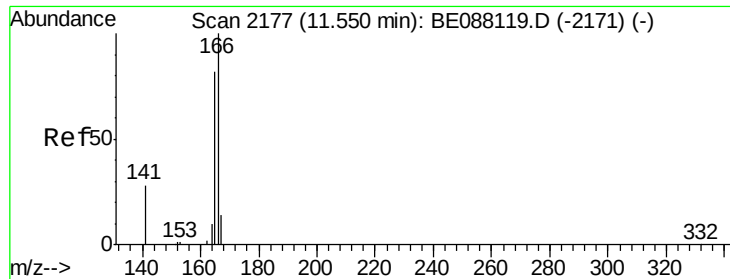
Delta R.T. -0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Tgt Ion:	154	Resp:	15516
Ion Ratio	Lower	Upper	
154	100		
153	405.6	327.8	491.6
152	193.3	157.6	236.4





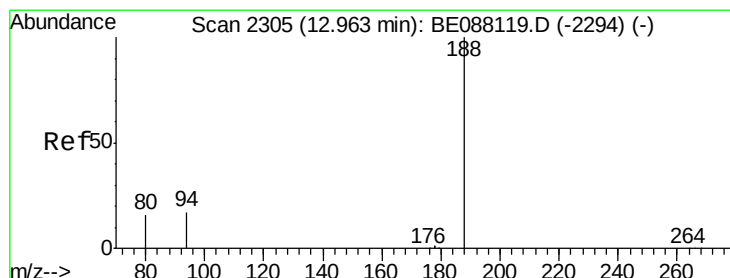
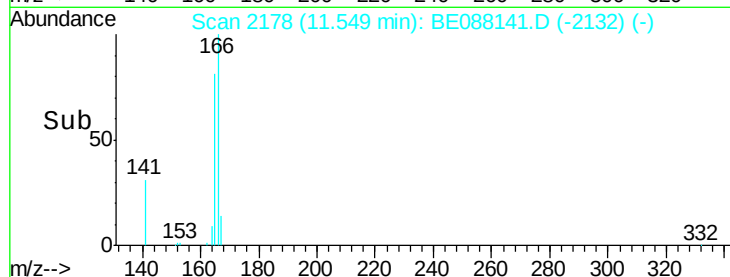
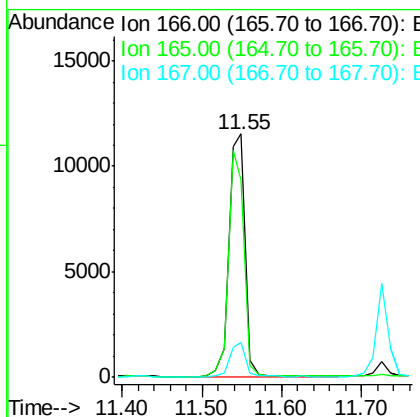
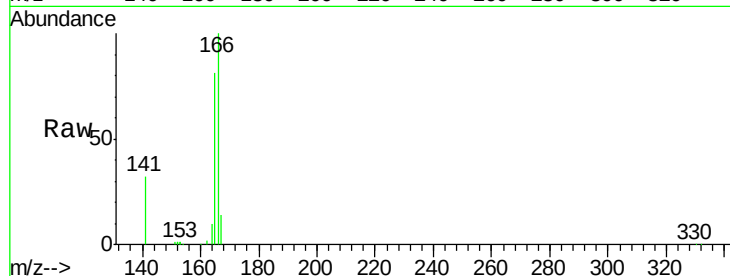
#11
 Fluorene
 Concen: 1.04 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BE088141.D
 Acq: 21 Oct 2014 14:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.5	71.4	107.2
167	13.4	10.6	16.0

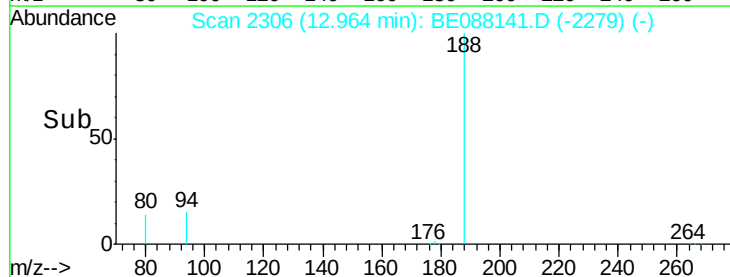
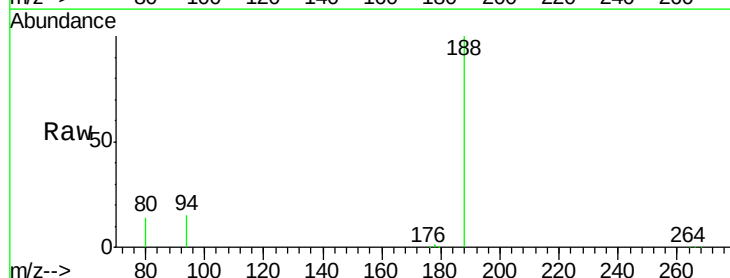
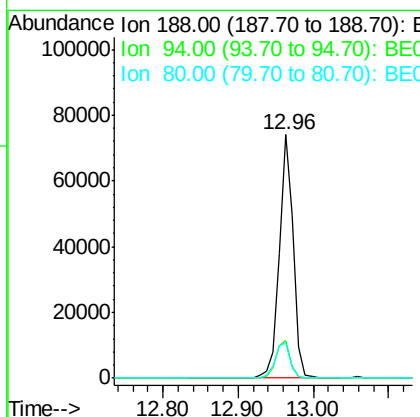
Manual Integrations
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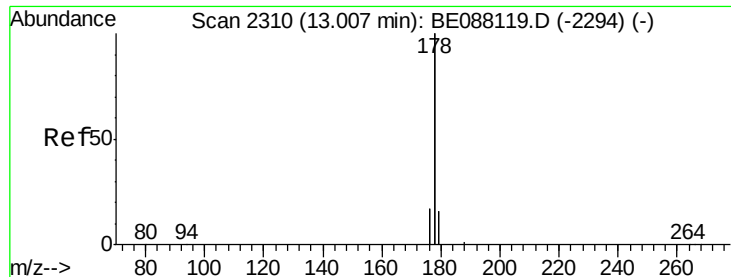
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#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BE088141.D
 Acq: 21 Oct 2014 14:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.2	13.9	20.9
80	14.2	12.9	19.3





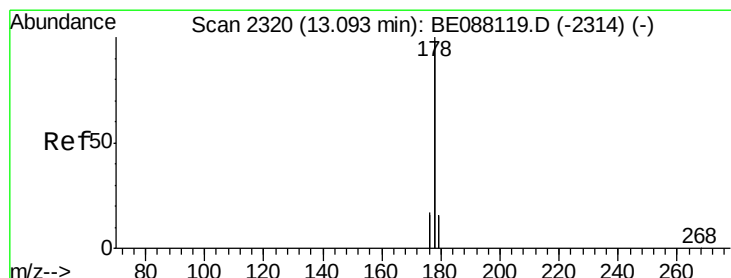
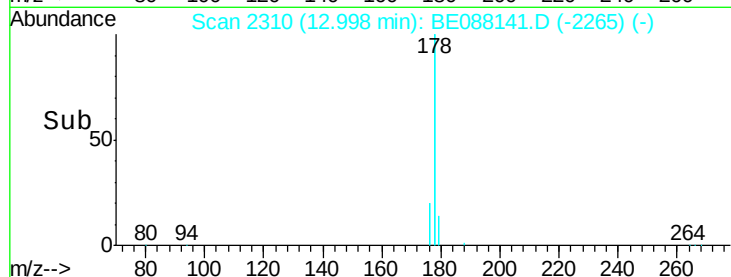
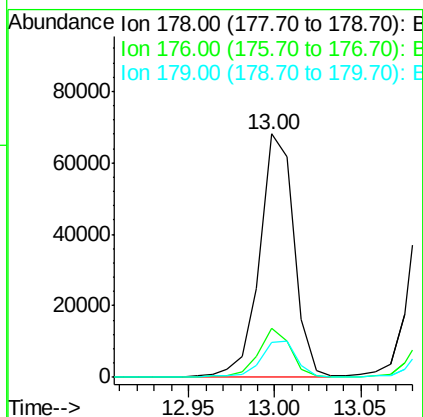
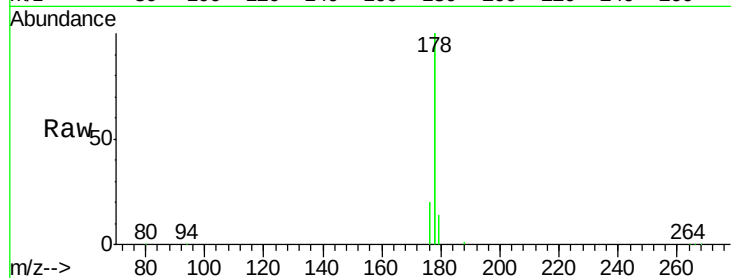
#13
Phenanthrene
Concen: 0.93 ng m
RT: 13.00 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BE088141.D
Acq: 21 Oct 2014 14:10

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	12.5	18.7
179	14.8	13.5	20.3

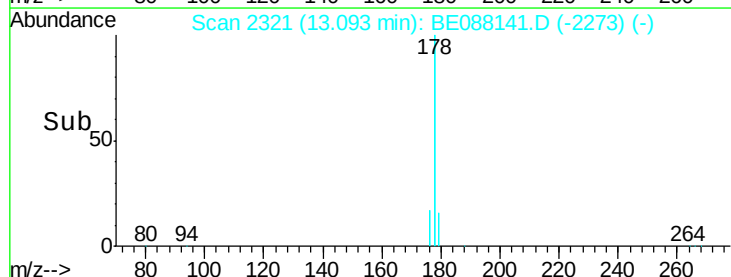
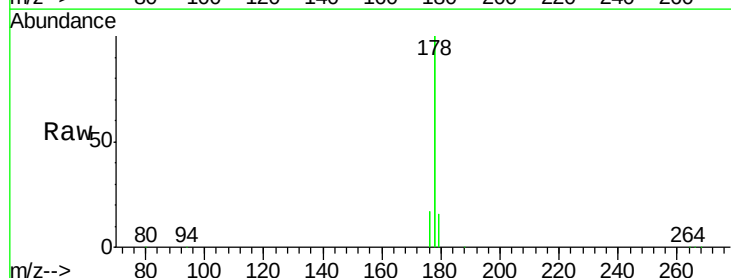
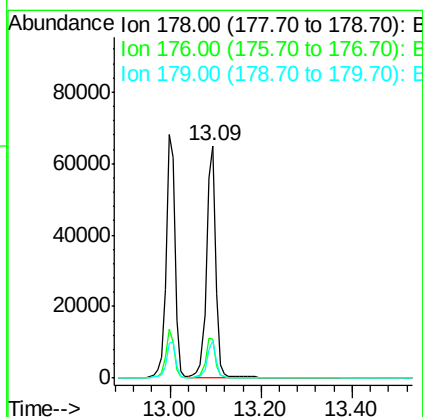
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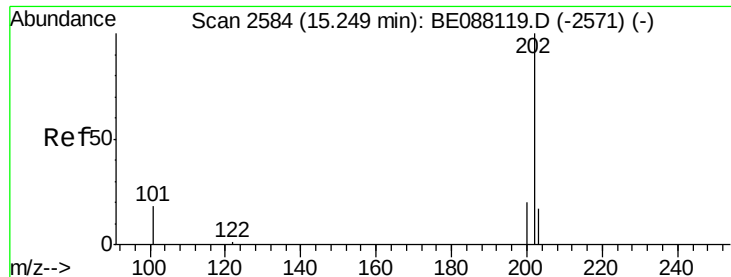
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#14
Anthracene
Concen: 1.00 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088141.D
Acq: 21 Oct 2014 14:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.5	12.5	18.7





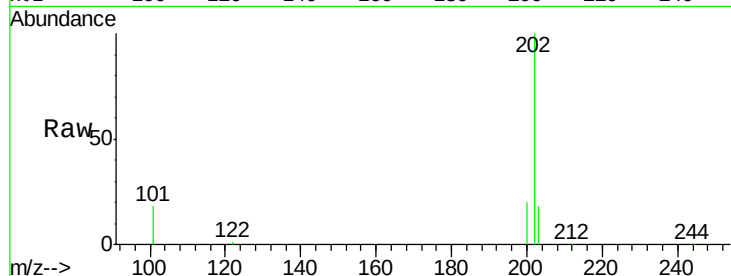
#15
 Fluoranthene
 Concen: 0.97 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088141.D
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Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

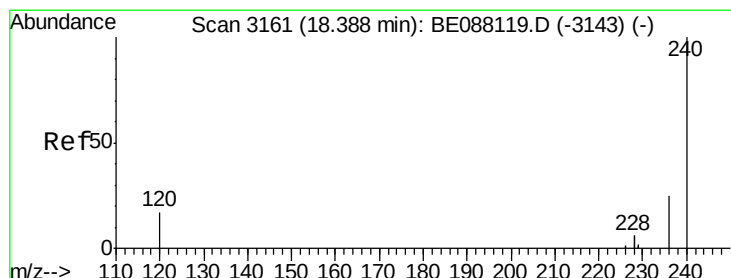
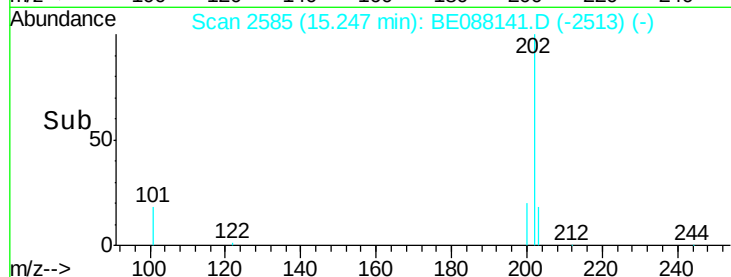
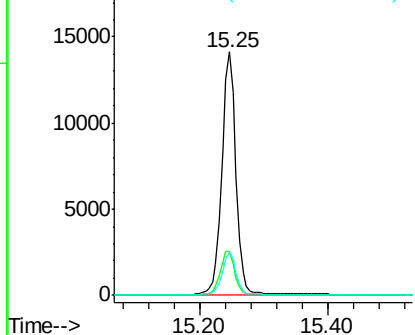
Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.8	22.2
203	17.2	13.5	20.3

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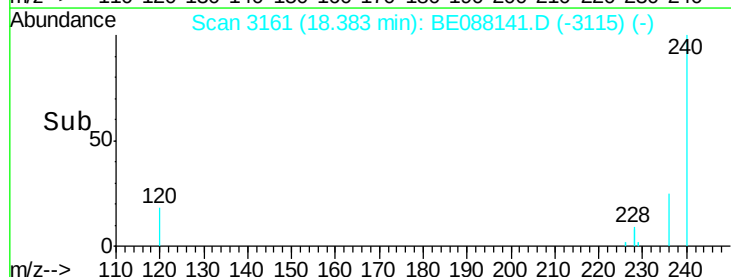
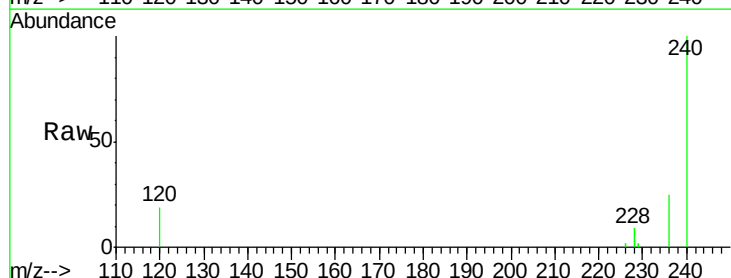
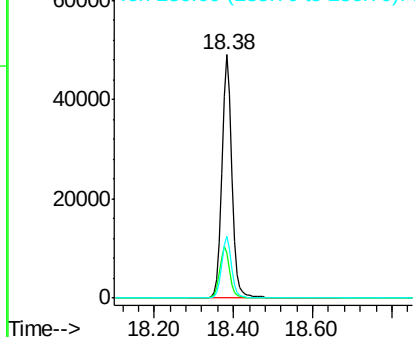
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

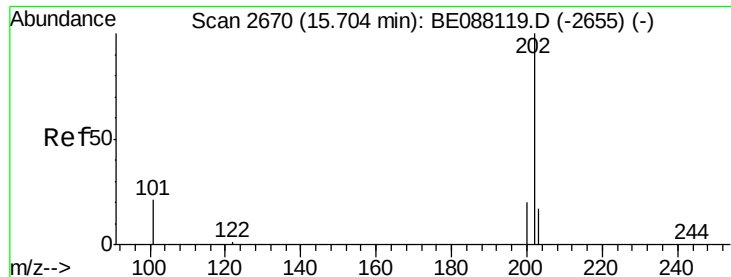


#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.38 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BE088141.D
 Acq: 21 Oct 2014 14:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.6	13.9	20.9
236	25.2	19.9	29.9

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





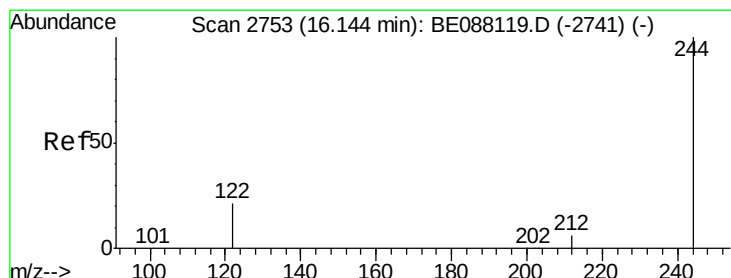
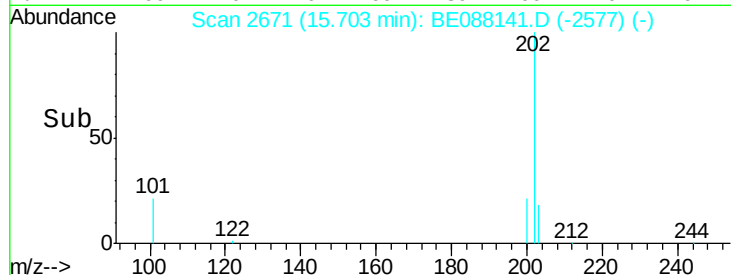
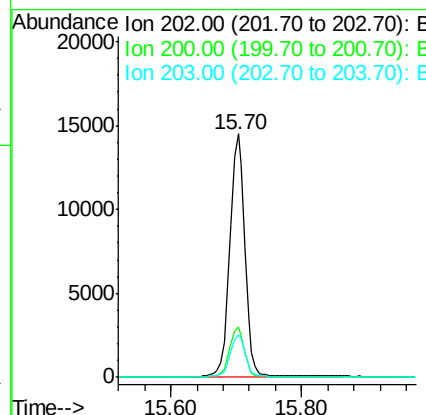
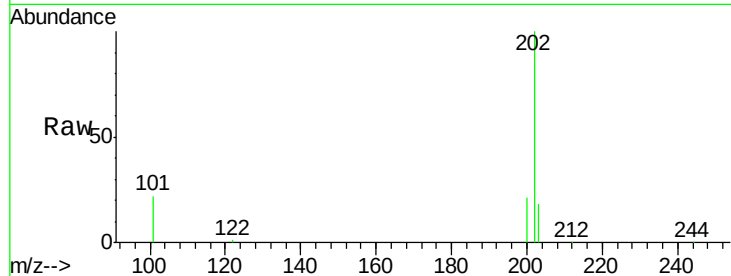
#17
 Pyrene
 Concen: 1.00 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088141.D
 Acq: 21 Oct 2014 14:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	22894		
200	20.2	16.1	24.1	
203	17.3	13.9	20.9	

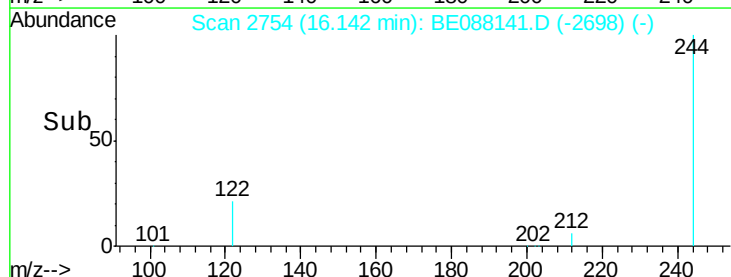
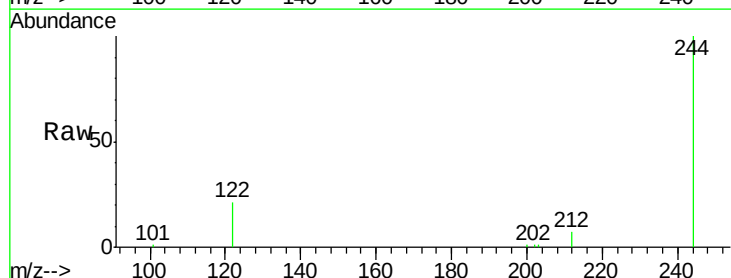
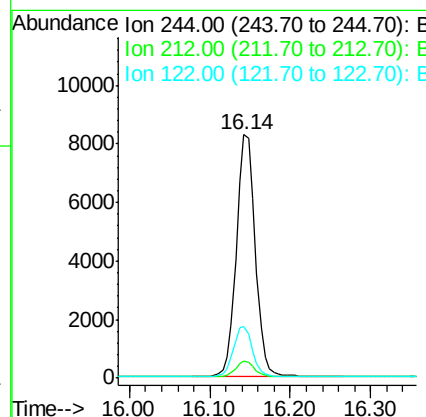
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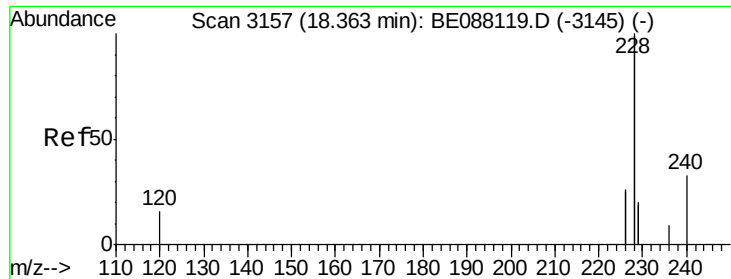
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#18
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 16.14 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE088141.D
 Acq: 21 Oct 2014 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	13592		
212	6.8	5.4	8.0	
122	21.3	17.5	26.3	





#19

Benzo(a)anthracene

Concen: 0.94 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Instrument :

BNA_E

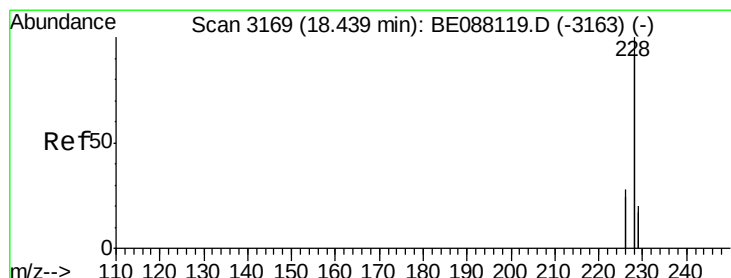
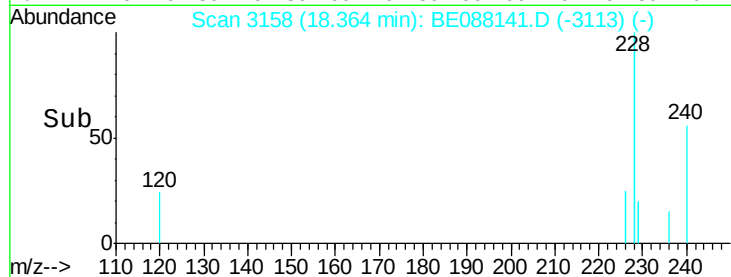
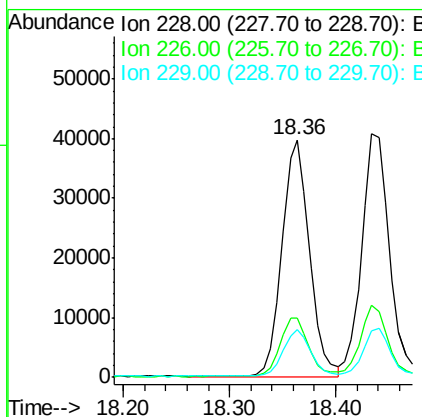
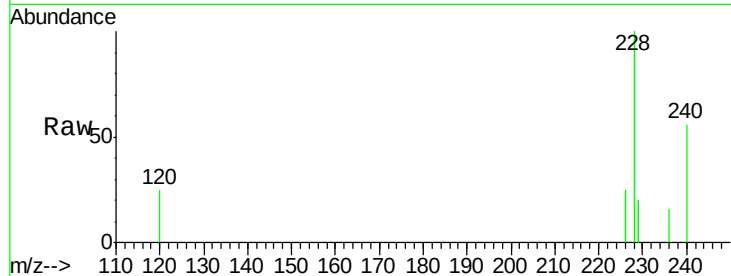
ClientSampleId :

SSTDCCC001

Tgt Ion:	228	Resp:	70622
Ion Ratio	Lower	Upper	
228	100		
226	25.0	20.8	31.2
229	20.2	15.6	23.4

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#20

Chrysene

Concen: 1.03 ng

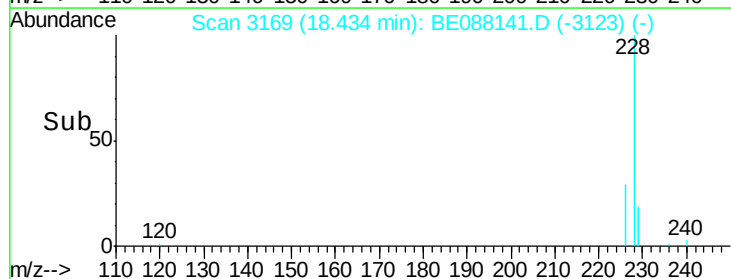
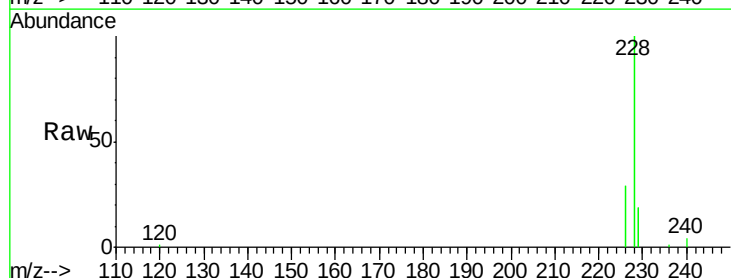
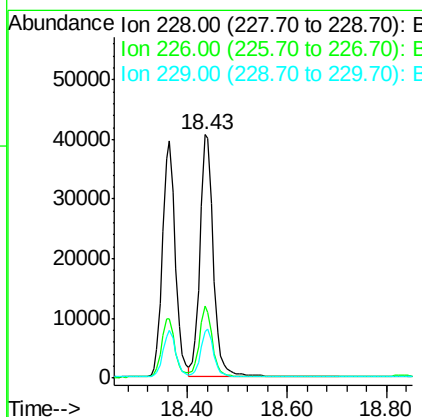
RT: 18.43 min Scan# 3169

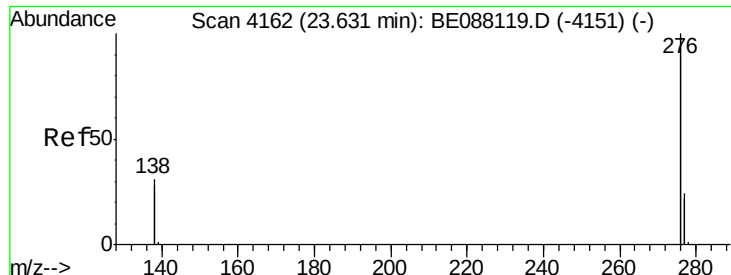
Delta R.T. -0.01 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Tgt Ion:	228	Resp:	75702
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.7	34.1
229	19.1	15.8	23.6





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.88 ng m

RT: 23.63 min Scan# 4163

Delta R.T. -0.00 min

Lab File: BE088141.D

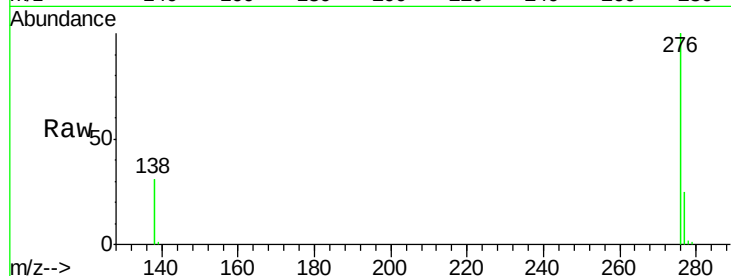
Acq: 21 Oct 2014 14:10

Instrument :

BNA_E

ClientSampleId :

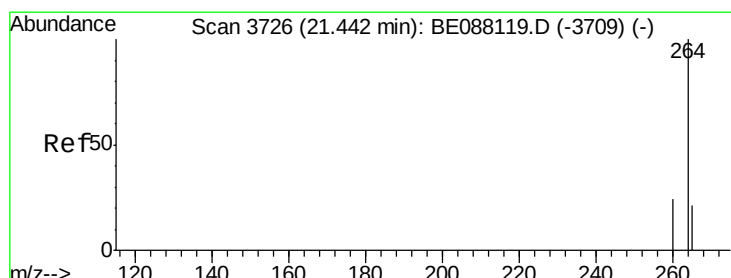
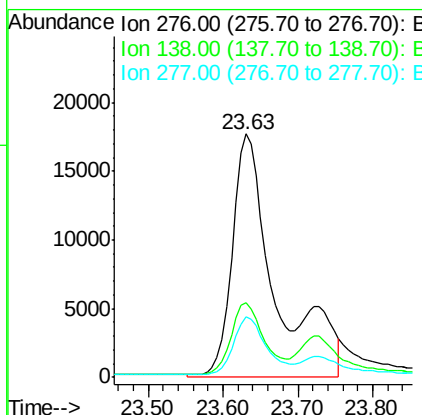
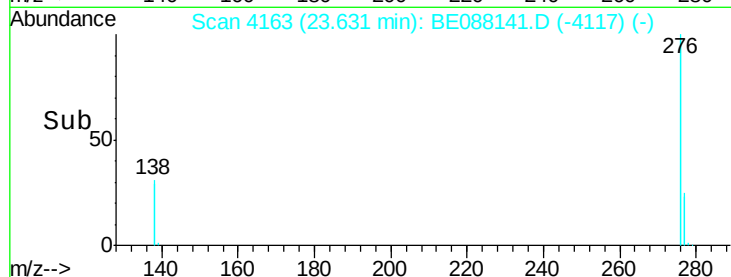
SSTDCCC001



Tgt Ion:	276	Resp:	71824
Ion Ratio	Lower	Upper	
276	100		
138	22.2	18.5	27.7
277	17.8	14.6	21.8

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#22

Perylene-d12

Concen: 5.00 ng

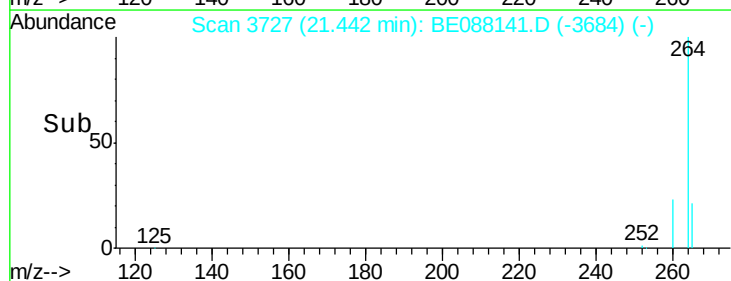
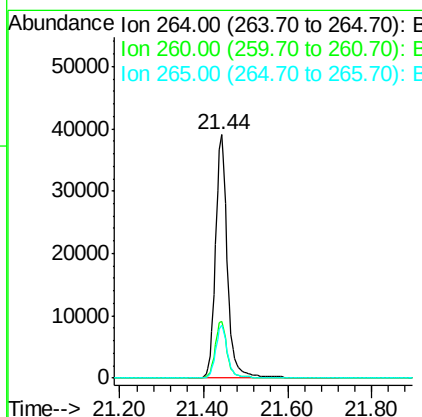
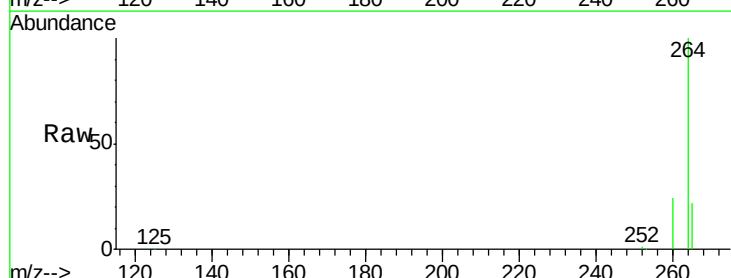
RT: 21.44 min Scan# 3727

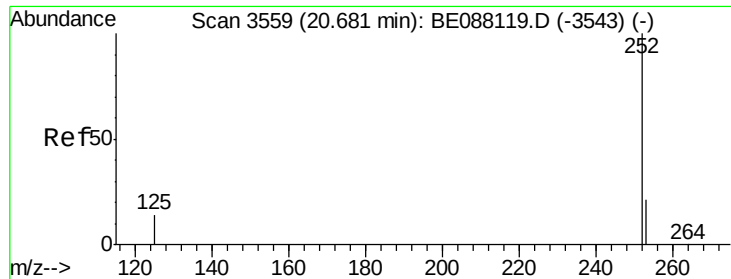
Delta R.T. -0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Tgt Ion:	264	Resp:	75993
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.4
265	21.6	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.92 ng

RT: 20.68 min Scan# 3560

Delta R.T. -0.00 min

Lab File: BE088141.D

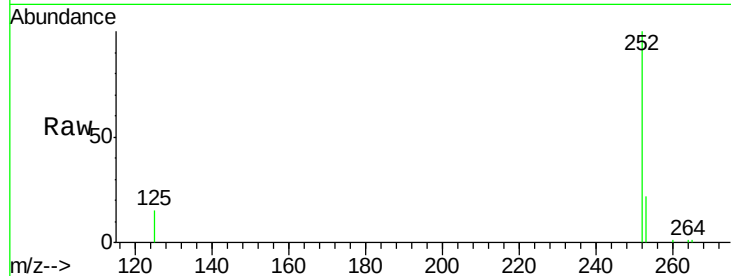
Acq: 21 Oct 2014 14:10

Instrument :

BNA_E

ClientSampleId :

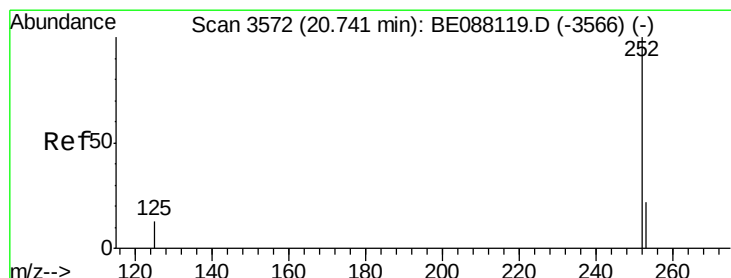
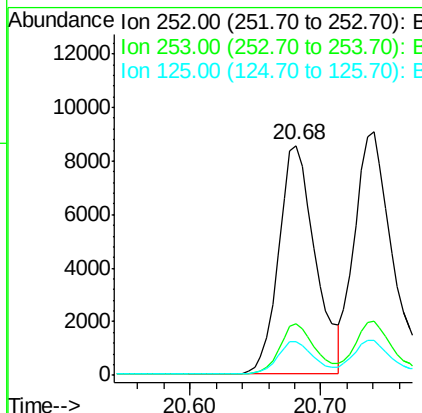
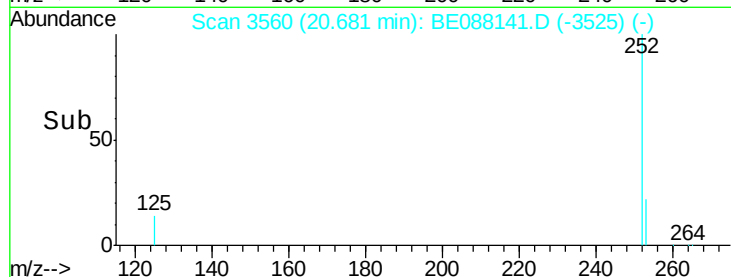
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	14.7	11.8	17.8

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#24

Benzo(k)fluoranthene

Concen: 1.01 ng

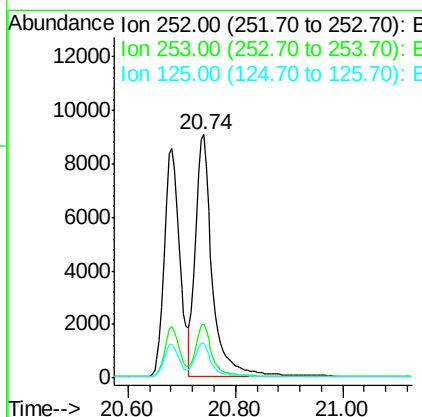
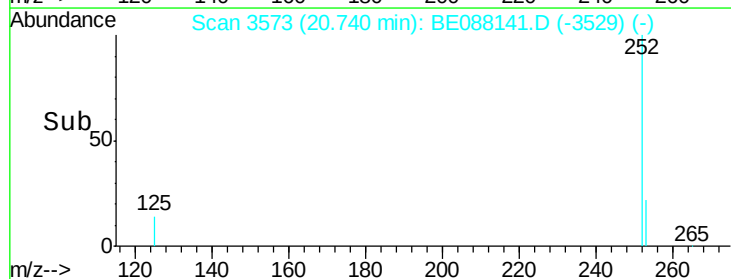
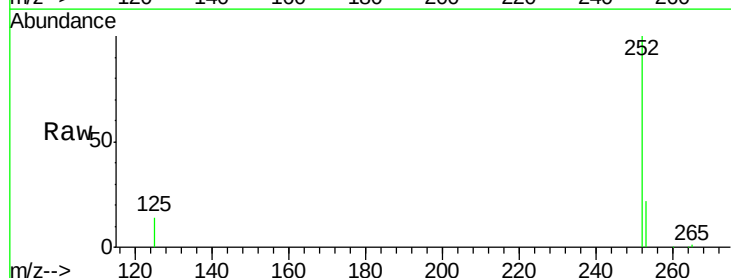
RT: 20.74 min Scan# 3573

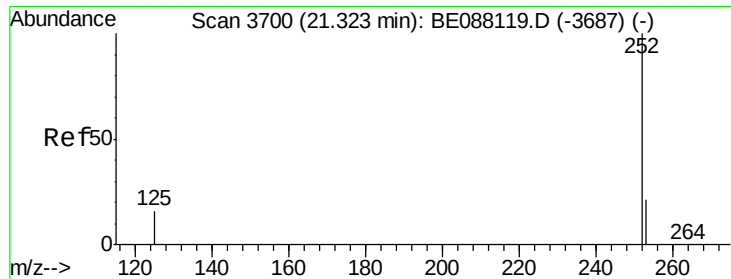
Delta R.T. -0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	14.1	11.5	17.3





#25

Benzo(a)pyrene

Concen: 0.92 ng

RT: 21.32 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BE088141.D

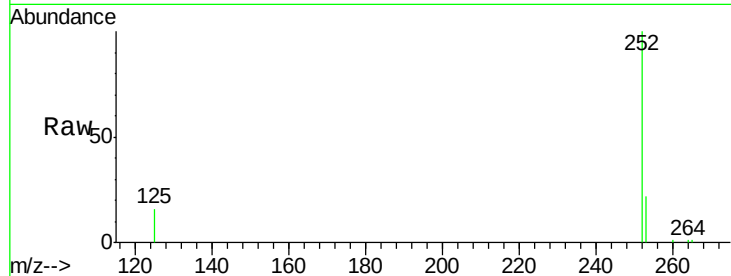
Acq: 21 Oct 2014 14:10

Instrument :

BNA_E

ClientSampleId :

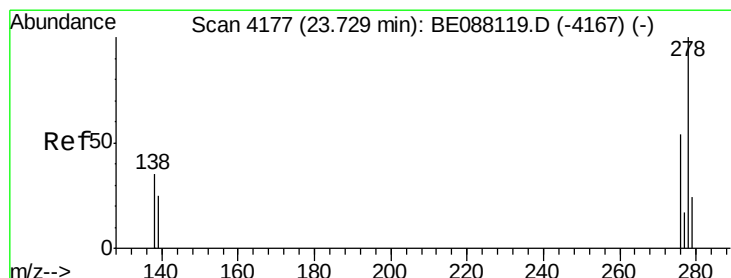
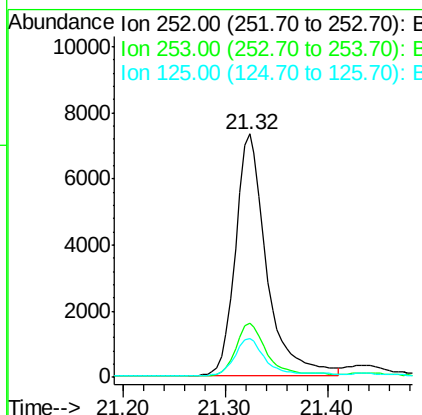
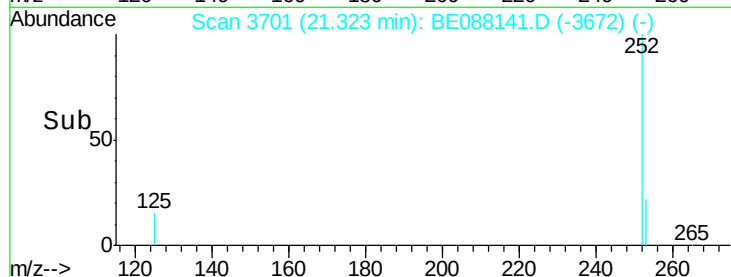
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.0	13.0	19.6

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#26

Dibenzo(a,h)anthracene

Concen: 0.89 ng

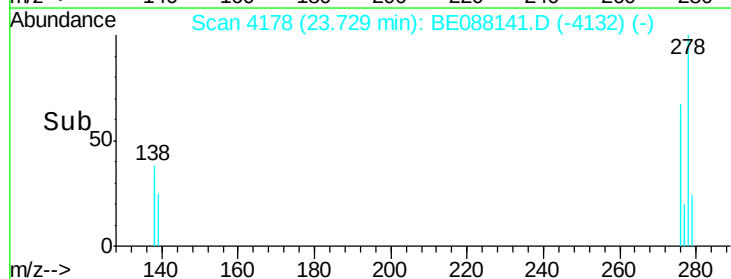
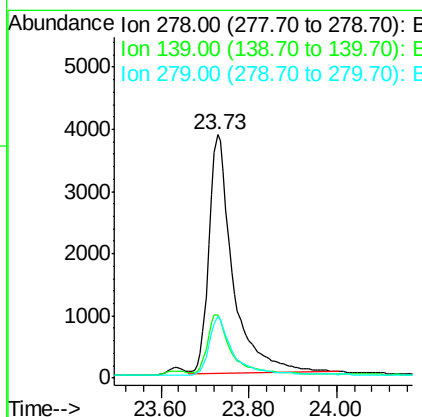
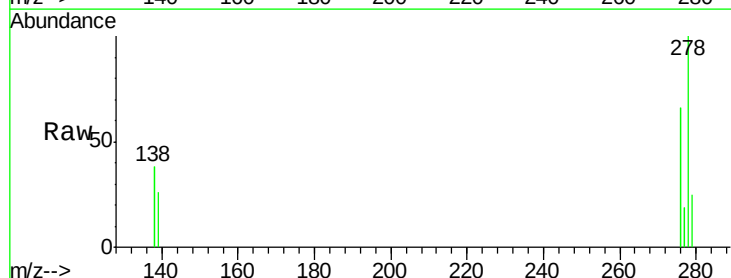
RT: 23.73 min Scan# 4178

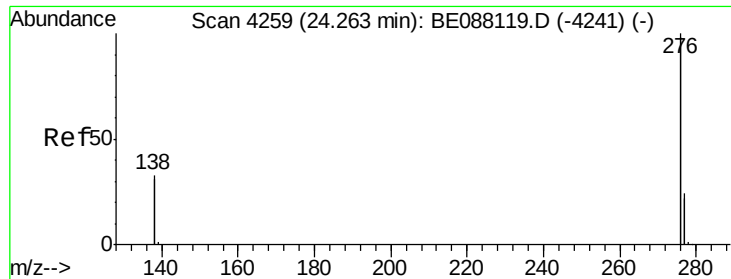
Delta R.T. -0.00 min

Lab File: BE088141.D

Acq: 21 Oct 2014 14:10

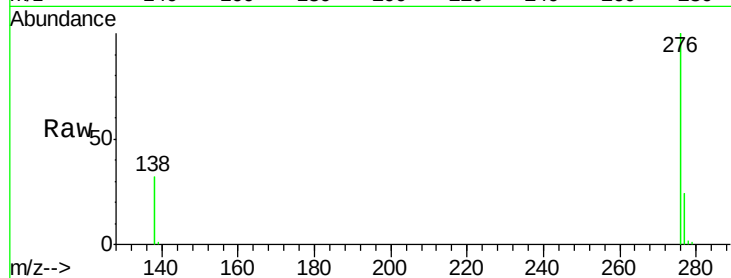
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.1	20.9	31.3
279	25.3	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 0.94 ng
 RT: 24.26 min Scan# 4260
 Delta R.T. -0.00 min
 Lab File: BE088141.D
 Acq: 21 Oct 2014 14:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001



Tgt Ion:	276	Resp:	67751
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.2	28.8
138	32.3	26.6	40.0

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