

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088119.D
 Acq On : 20 Oct 2014 21:47
 Operator : TP/JJ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC001

Manual Integrations
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 10/22/2014 1:51:35 PM

Quant Time: Oct 21 02:06:02 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 01:52:35 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	38915	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	146030	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	65417	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	118158	5.00	ng	0.00
16) Chrysene-d12	18.39	240	88310	5.00	ng	0.00
22) Perylene-d12	21.44	264	82108	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	10914	1.24	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	18840	1.04	ng	0.00
18) Terphenyl-d14	16.14	244	14391	1.05	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.40	88	5882	1.06	ng	100
5) Naphthalene	8.72	128	31287	1.06	ng	100
6) 2-Methylnaphthalene	9.58	142	18867	1.08	ng	100
9) Acenaphthylene	10.66	152	104425	1.13	ng	100
10) Acenaphthene	10.88	154	15575	1.02	ng	100
11) Fluorene	11.55	166	16942	1.10	ng	100
13) Phenanthrene	13.01	178	119073	1.08	ng	100
14) Anthracene	13.09	178	94317	0.98	ng	100
15) Fluoranthene	15.25	202	22456	0.97	ng	100
17) Pyrene	15.70	202	23923	1.05	ng	100
19) Benzo(a)anthracene	18.36	228	76406	1.13	ng	100
20) Chrysene	18.44	228	76931	0.93	ng	100
21) Indeno(1,2,3-cd)pyrene	23.63	276	85010m	1.27	ng	
23) Benzo(b)fluoranthene	20.68	252	19661	1.28	ng	100
24) Benzo(k)fluoranthene	20.74	252	20968	0.98	ng	100
25) Benzo(a)pyrene	21.32	252	18469	1.39	ng	100
26) Dibenzo(a,h)anthracene	23.73	278	17686	1.26	ng	100
27) Benzo(g,h,i)perylene	24.26	276	78333	1.16	ng	100

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

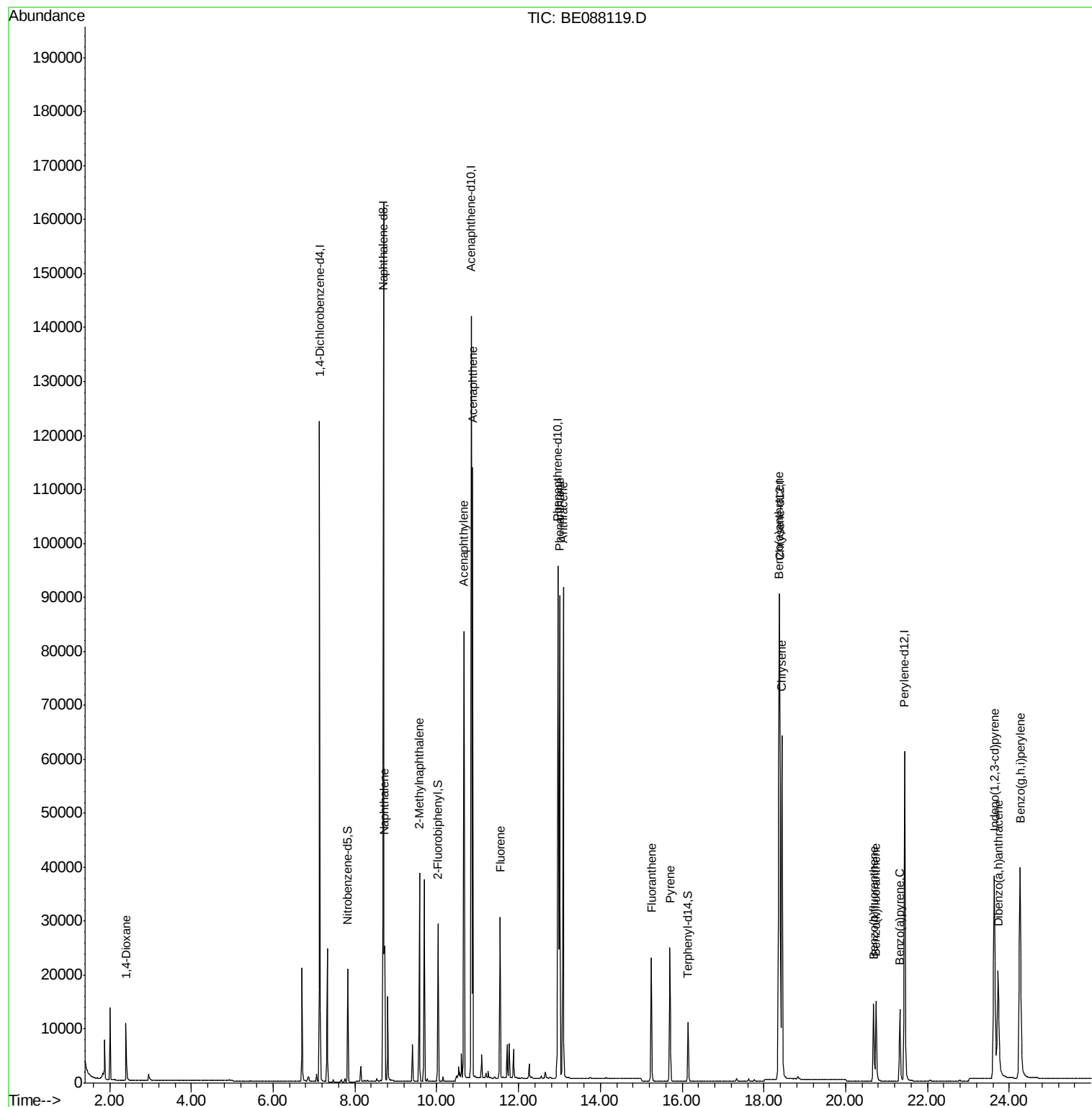
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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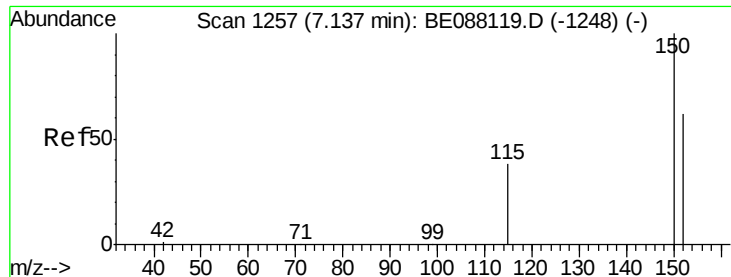
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. 0.00 min

Lab File: BE088119.D

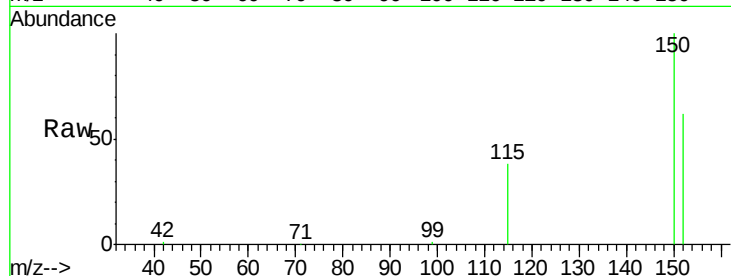
Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion: 152 Resp: 38915

Ion Ratio Lower Upper

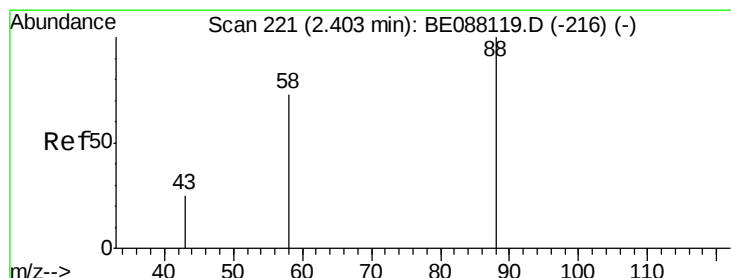
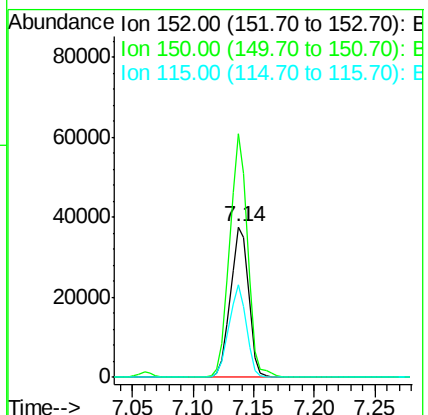
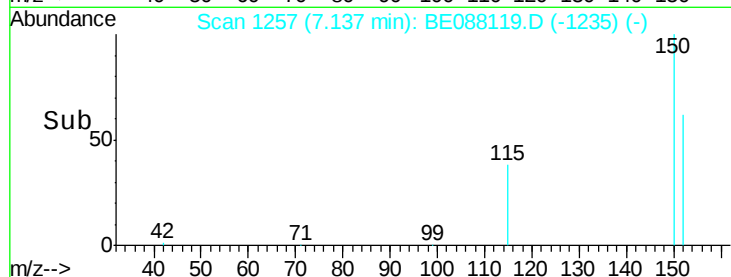
152 100

150 161.5 129.2 193.8

115 61.6 49.3 73.9

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#2

1,4-Dioxane

Concen: 1.06 ng

RT: 2.40 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

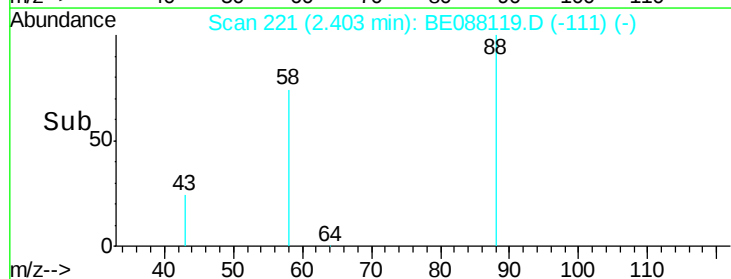
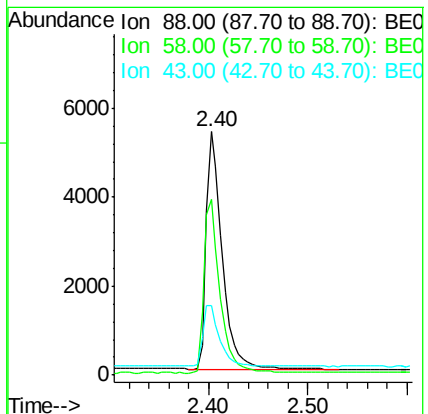
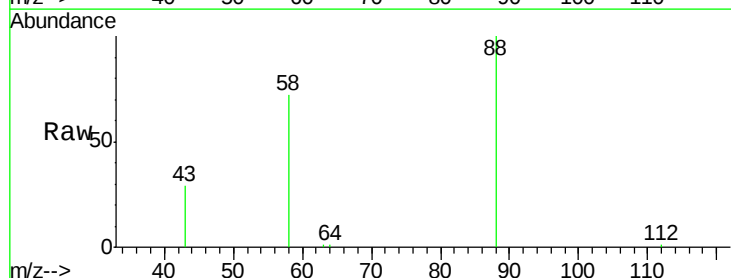
Tgt Ion: 88 Resp: 5882

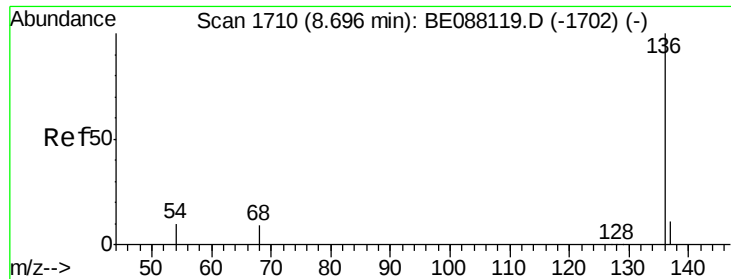
Ion Ratio Lower Upper

88 100

58 74.4 59.5 89.3

43 26.5 21.2 31.8





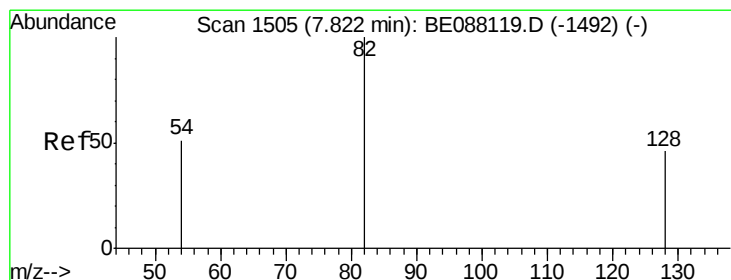
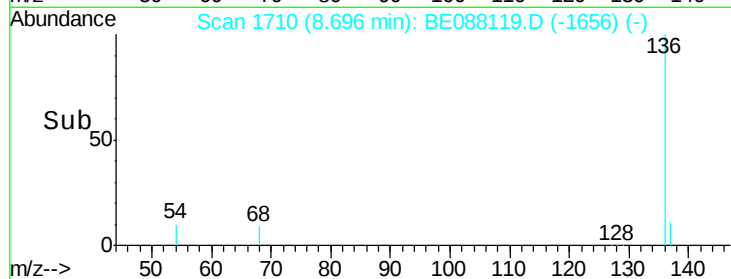
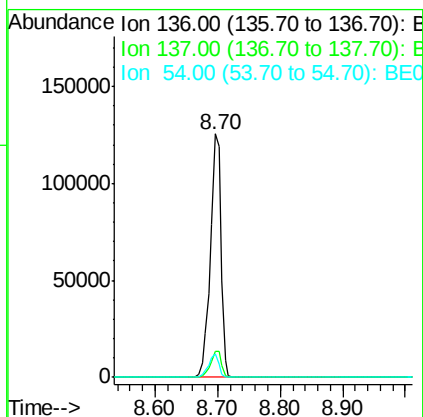
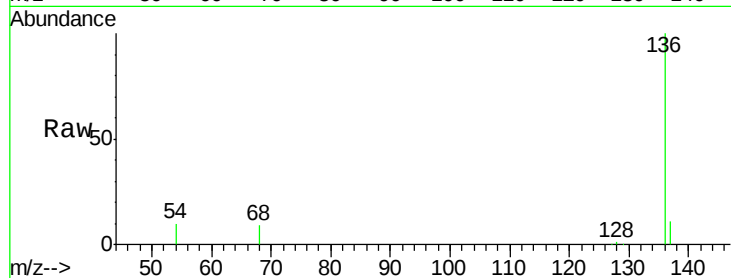
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE088119.D
Acq: 20 Oct 2014 21:47

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	146030		
137	10.7	8.6	12.8	
54	9.6	7.7	11.5	

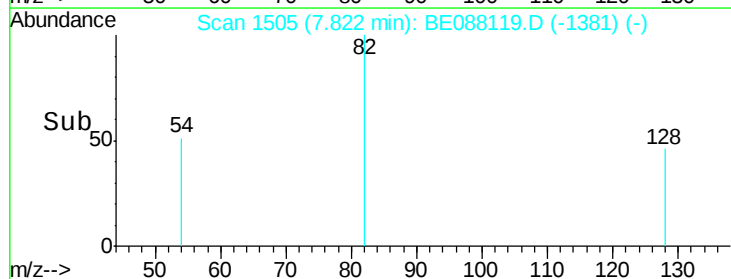
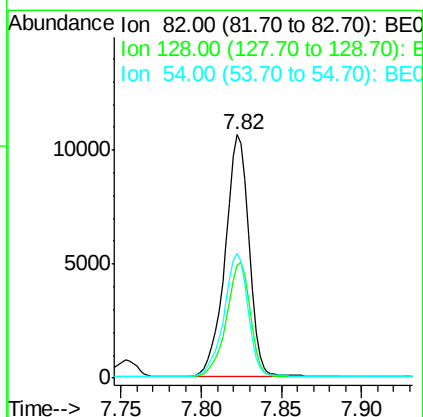
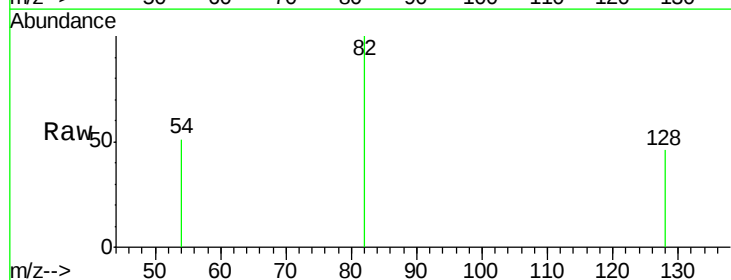
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#4
Nitrobenzene-d5
Concen: 1.24 ng
RT: 7.82 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BE088119.D
Acq: 20 Oct 2014 21:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	10914		
128	46.4	37.1	55.7	
54	51.4	41.1	61.7	





#5

Naphthalene

Concen: 1.06 ng

RT: 8.72 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

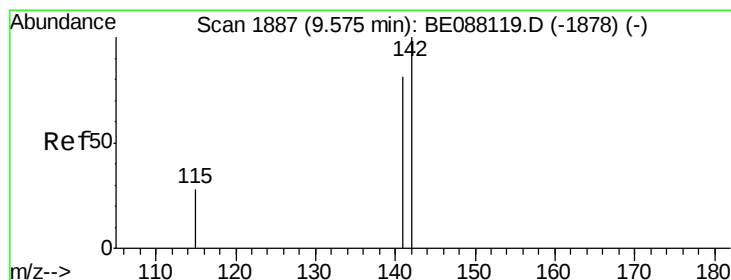
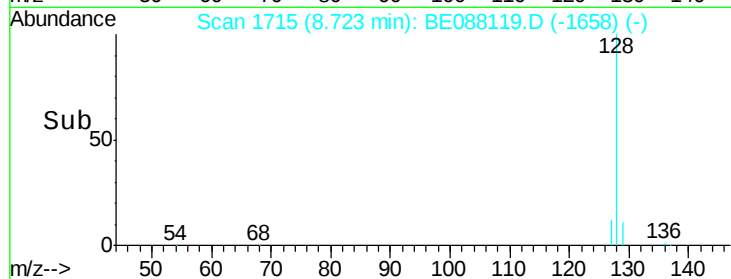
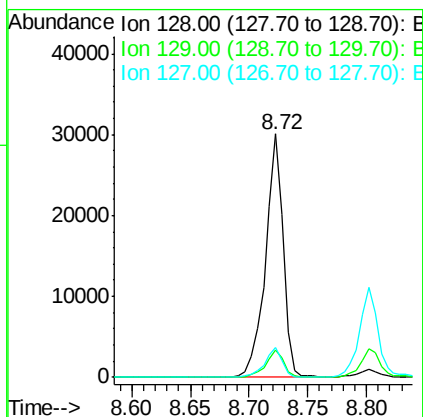
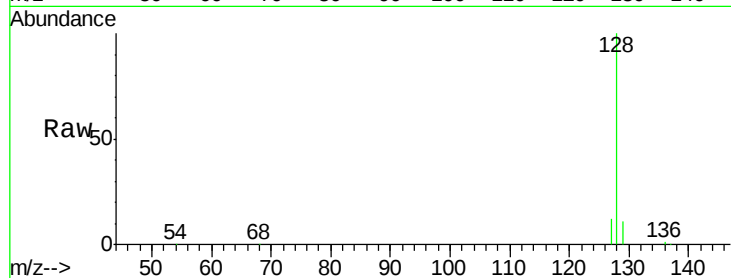
ClientSampleId :

SSTDICCC001

Tgt Ion:	128	Resp:	31287
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.9	13.3
127	12.1	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 1.08 ng

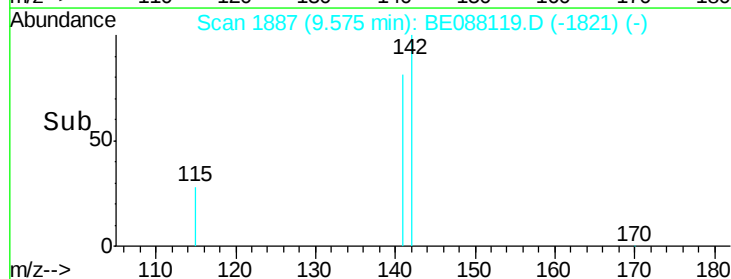
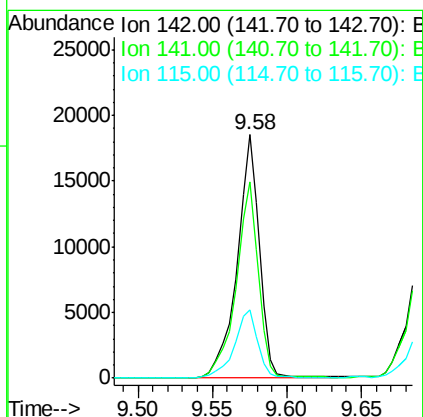
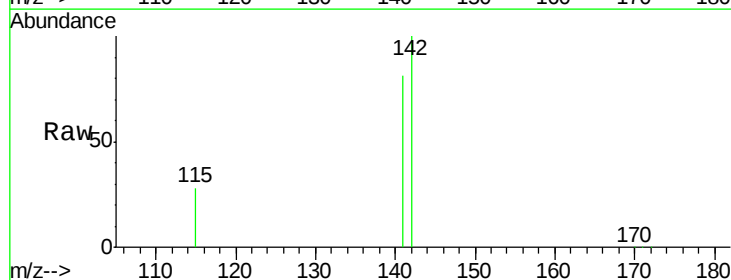
RT: 9.58 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Tgt Ion:	142	Resp:	18867
Ion Ratio	Lower	Upper	
142	100		
141	80.8	64.6	97.0
115	28.3	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088119.D

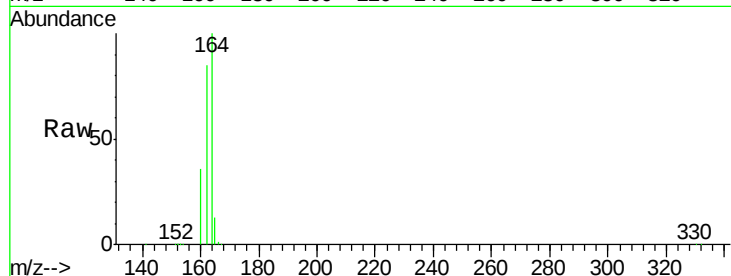
Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

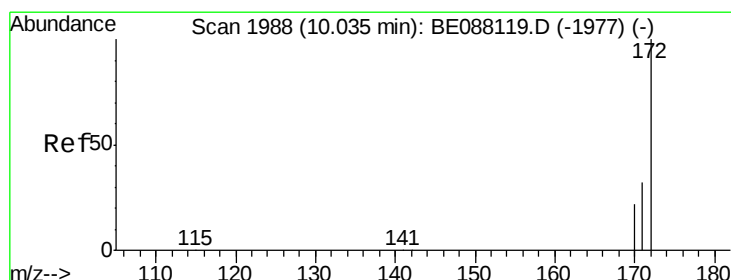
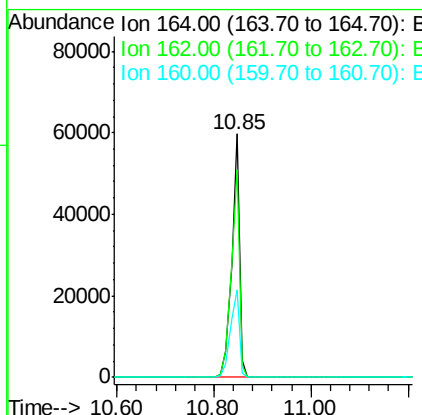
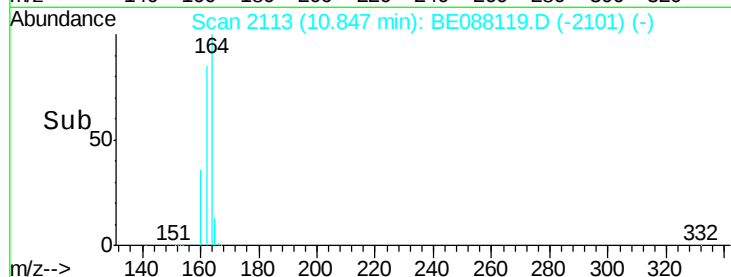
SSTDICCC001



Tgt Ion:	164	Resp:	65417
Ion Ratio	Lower	Upper	
164	100		
162	85.4	68.3	102.5
160	35.9	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 1.04 ng

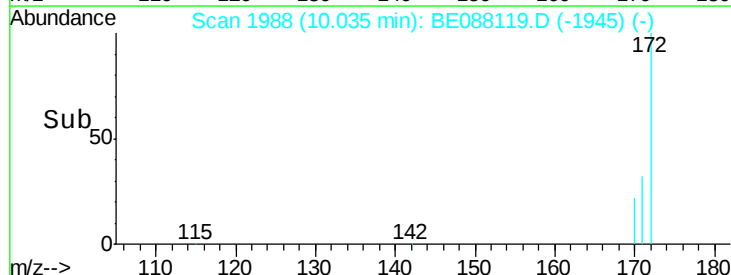
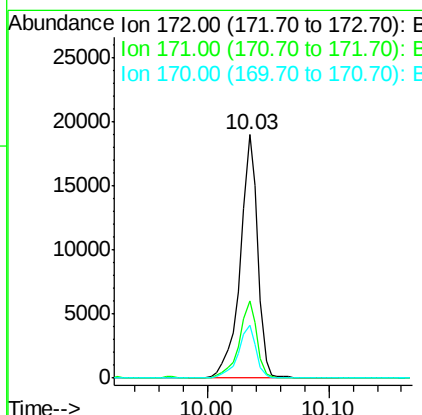
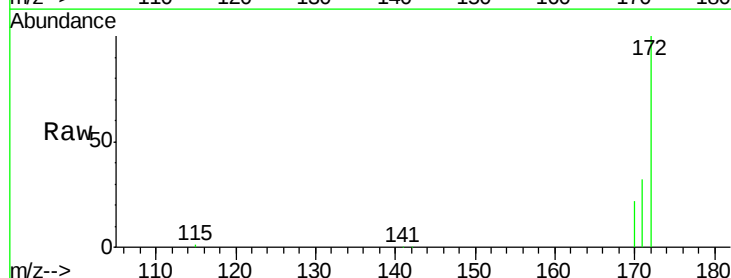
RT: 10.03 min Scan# 1988

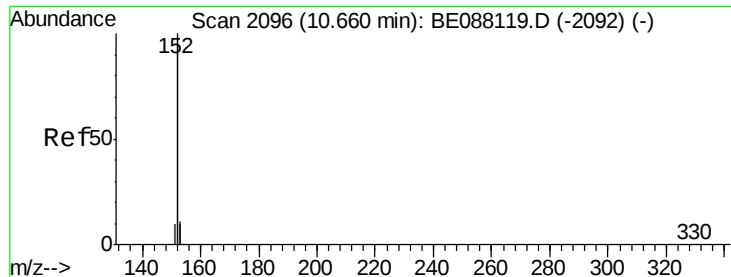
Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Tgt Ion:	172	Resp:	18840
Ion Ratio	Lower	Upper	
172	100		
171	31.8	25.4	38.2
170	21.8	17.4	26.2





#9

Acenaphthylene

Concen: 1.13 ng

RT: 10.66 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

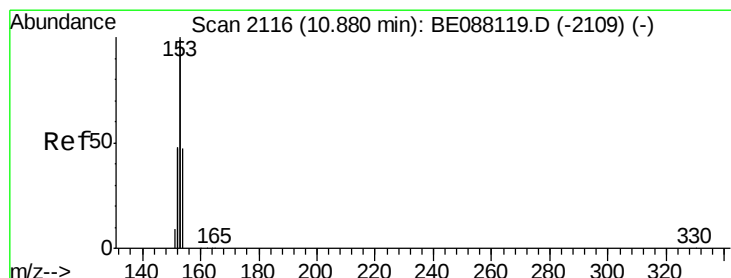
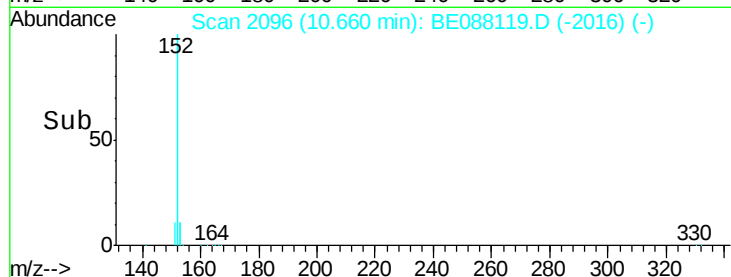
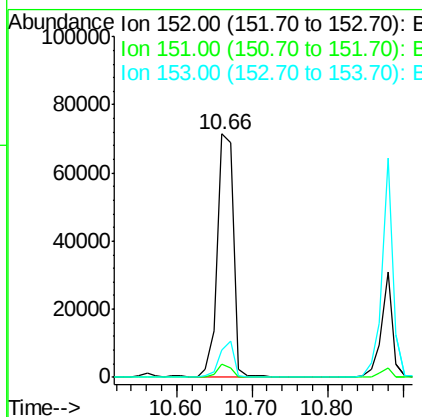
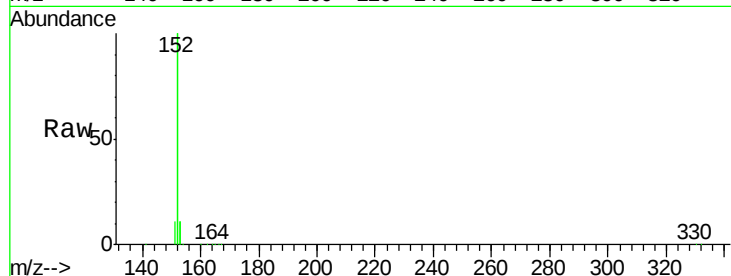
ClientSampleId :

SSTDICCC001

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Tgt Ion:	152	Resp:	104425
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.4	15.6



#10

Acenaphthene

Concen: 1.02 ng

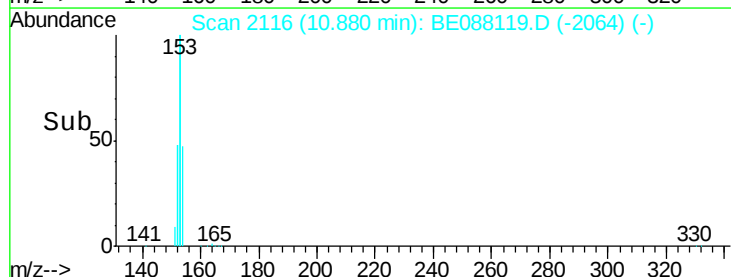
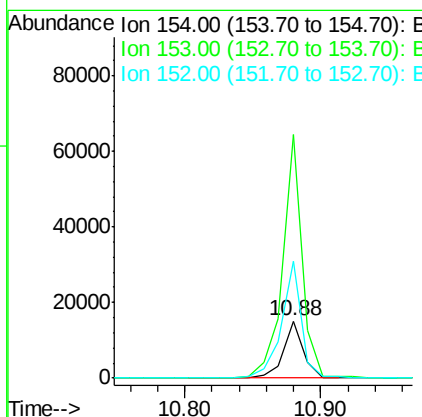
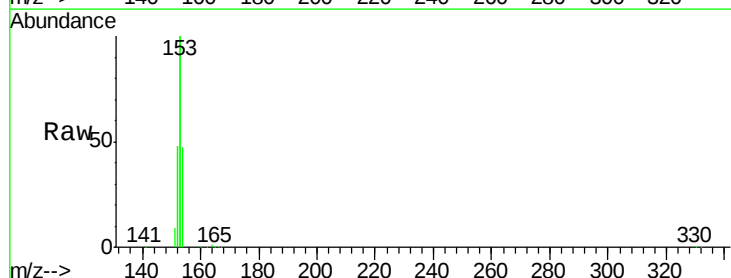
RT: 10.88 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Tgt Ion:	154	Resp:	15575
Ion Ratio	Lower	Upper	
154	100		
153	409.7	327.8	491.6
152	197.0	157.6	236.4





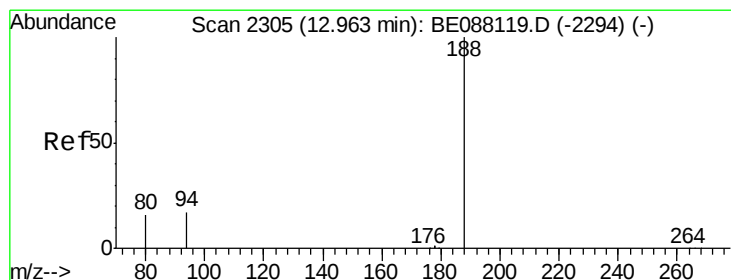
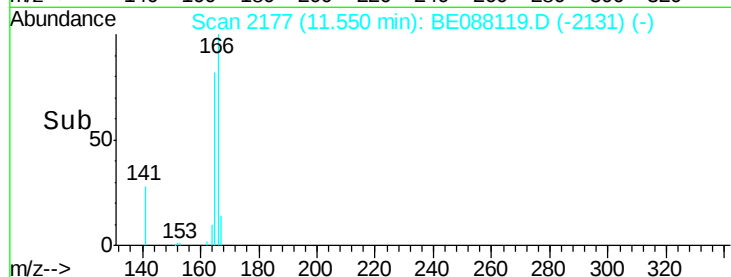
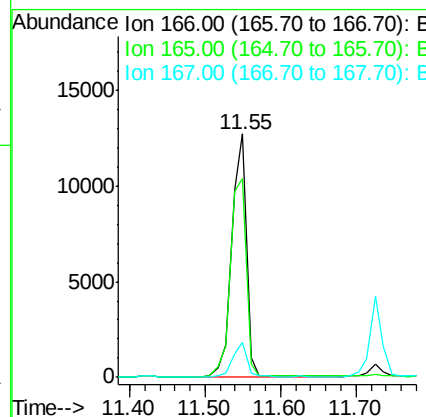
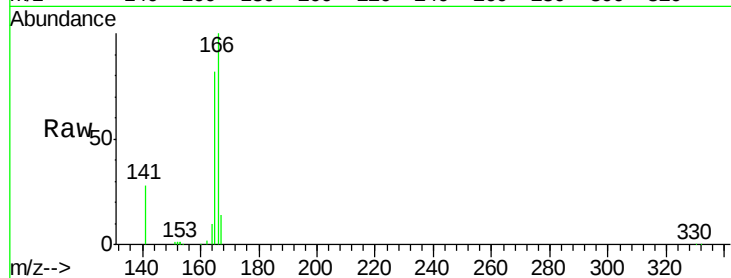
#11
Fluorene
 Concen: 1.10 ng
 RT: 11.55 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: BE088119.D
 Acq: 20 Oct 2014 21:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.3	71.4	107.2
167	13.3	10.6	16.0

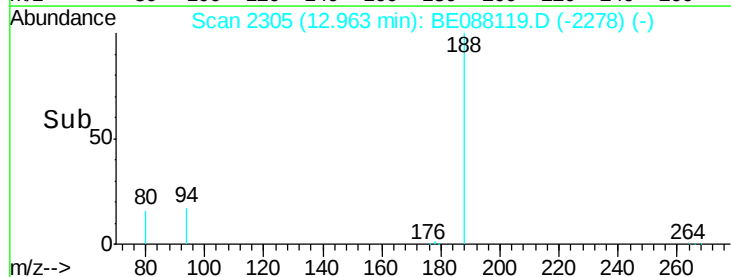
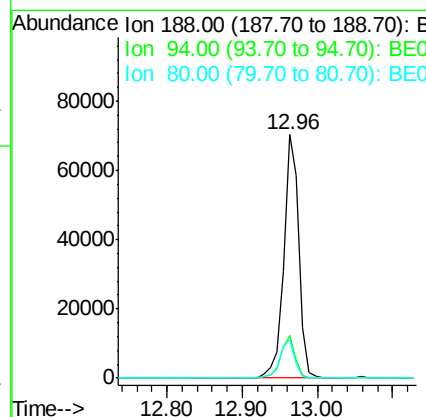
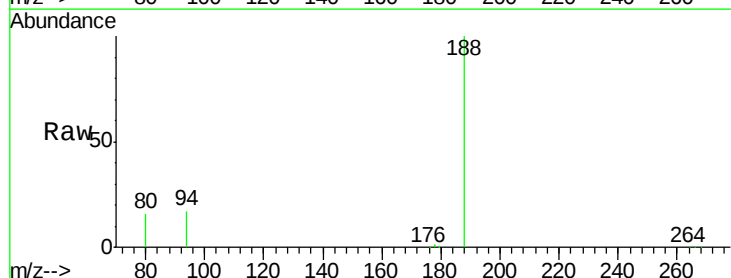
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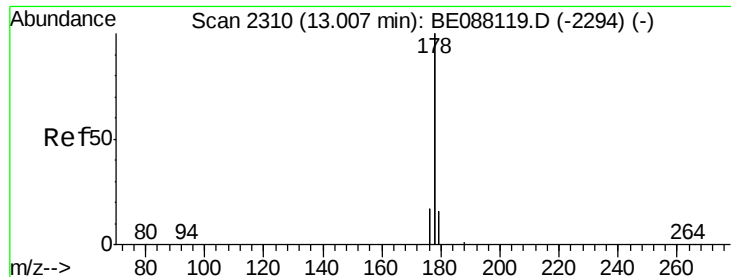
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: BE088119.D
 Acq: 20 Oct 2014 21:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.4	13.9	20.9
80	16.1	12.9	19.3





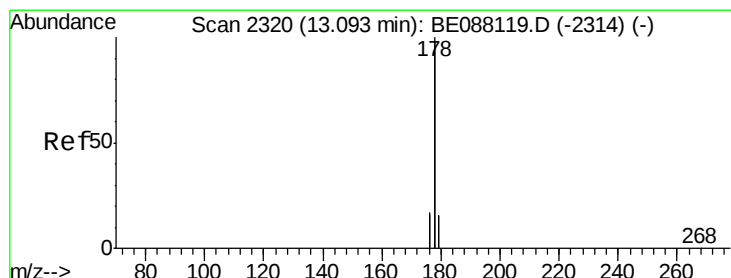
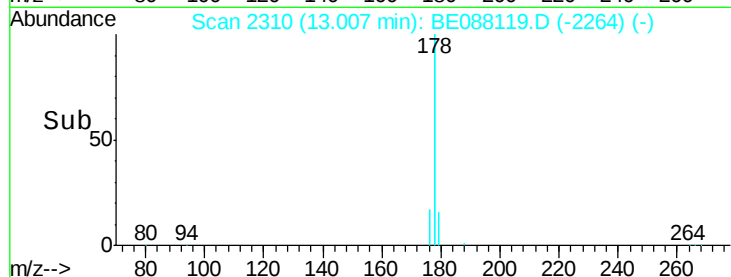
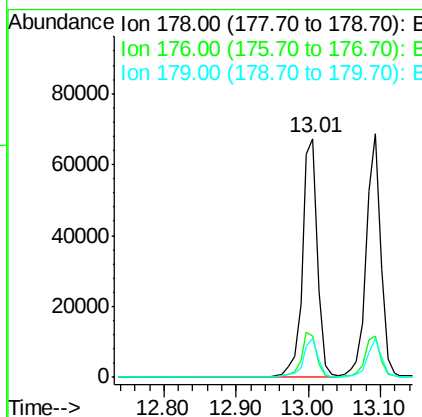
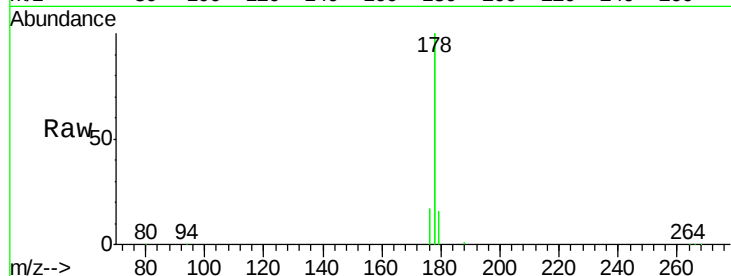
#13
Phenanthrene
Concen: 1.08 ng
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088119.D
Acq: 20 Oct 2014 21:47

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.6	12.5	18.7
179	16.9	13.5	20.3

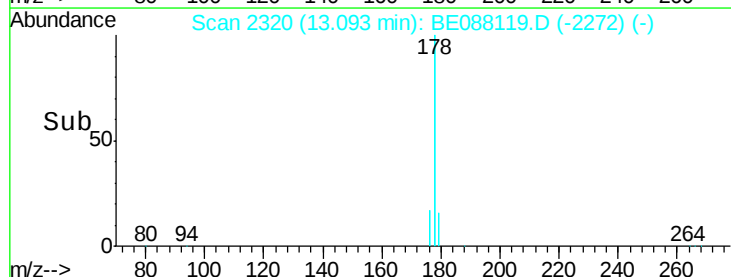
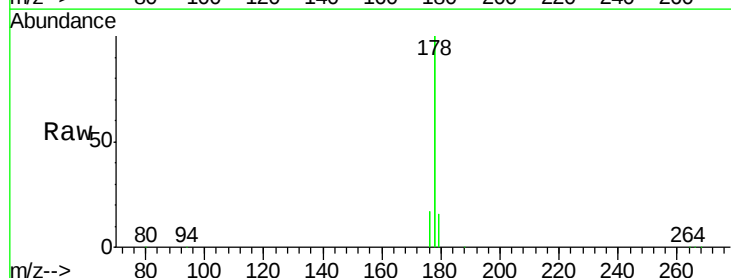
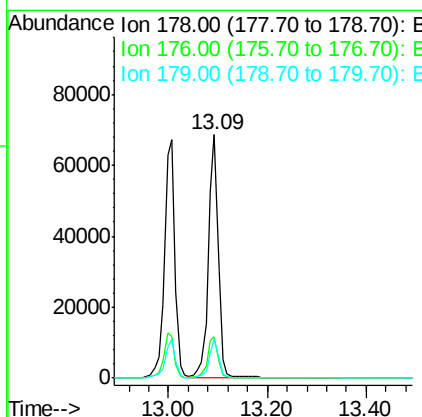
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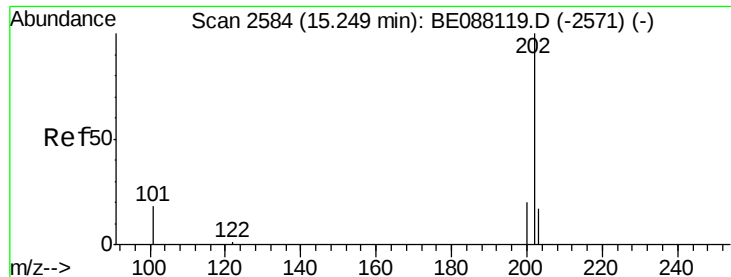
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#14
Anthracene
Concen: 0.98 ng
RT: 13.09 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BE088119.D
Acq: 20 Oct 2014 21:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.6	12.5	18.7





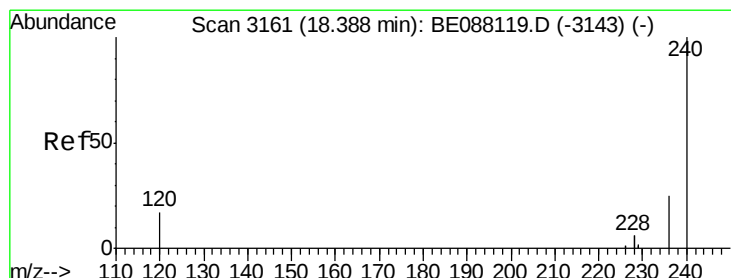
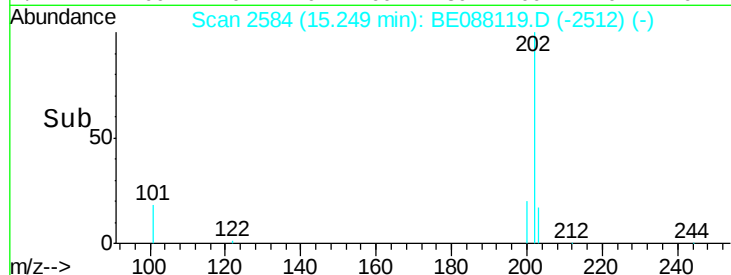
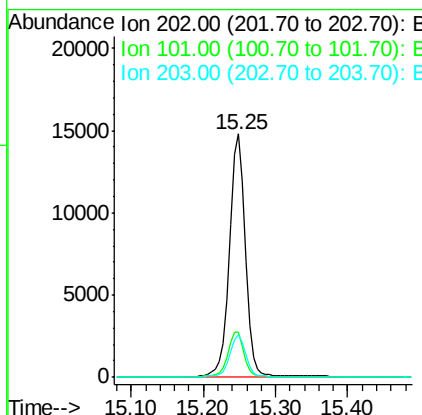
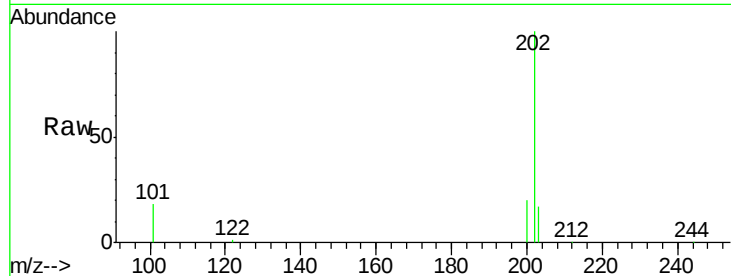
#15
Fluoranthene
Concen: 0.97 ng
RT: 15.25 min Scan# 2584
Delta R.T. 0.00 min
Lab File: BE088119.D
Acq: 20 Oct 2014 21:47

Instrument :
BNA_E
ClientSampleId :
SSTDICCC001

Tgt Ion:	202	Resp:	22456
Ion Ratio	Lower	Upper	
202	100		
101	18.5	14.8	22.2
203	16.9	13.5	20.3

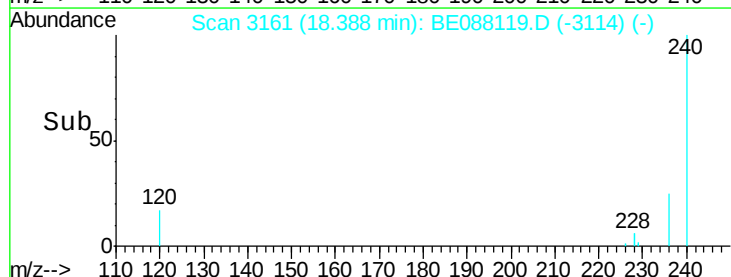
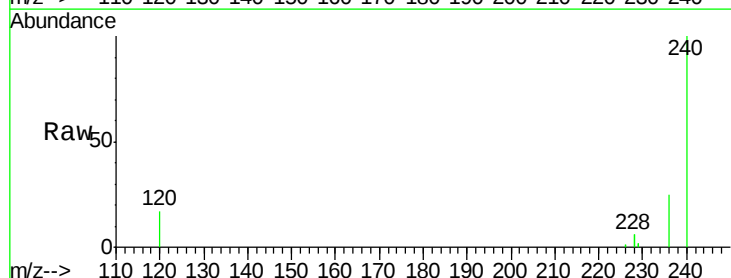
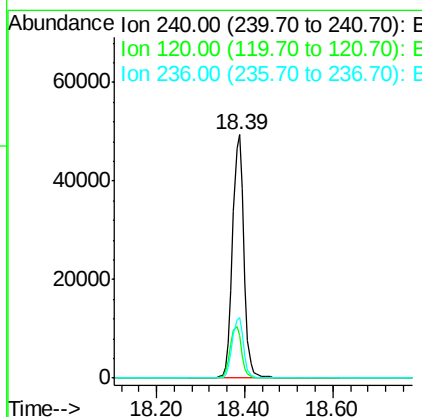
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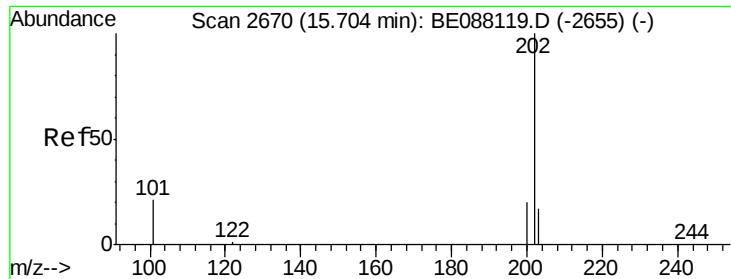
mohammad
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#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE088119.D
Acq: 20 Oct 2014 21:47

Tgt Ion:	240	Resp:	88310
Ion Ratio	Lower	Upper	
240	100		
120	17.4	13.9	20.9
236	24.9	19.9	29.9





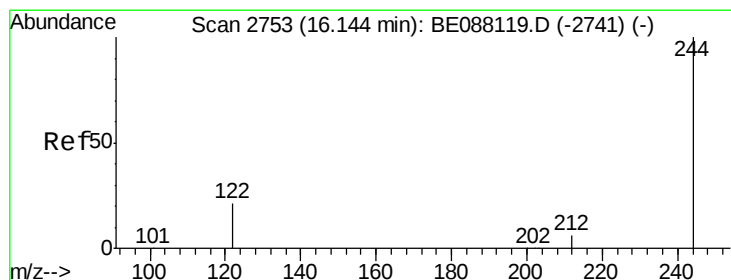
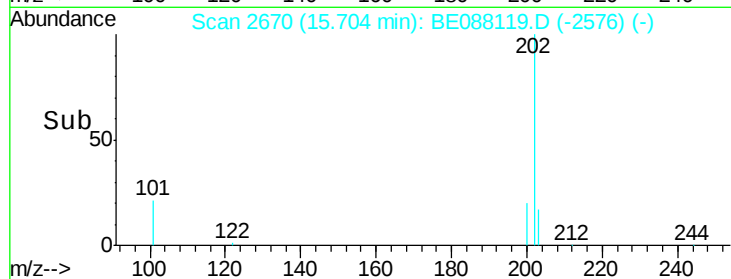
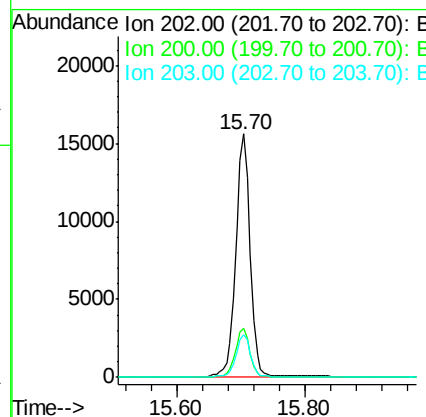
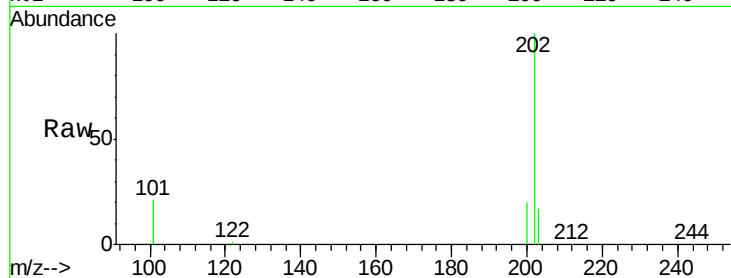
#17
 Pyrene
 Concen: 1.05 ng
 RT: 15.70 min Scan# 2670
 Delta R.T. 0.00 min
 Lab File: BE088119.D
 Acq: 20 Oct 2014 21:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC001

Tgt Ion:	202	Resp:	23923
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.1	24.1
203	17.4	13.9	20.9

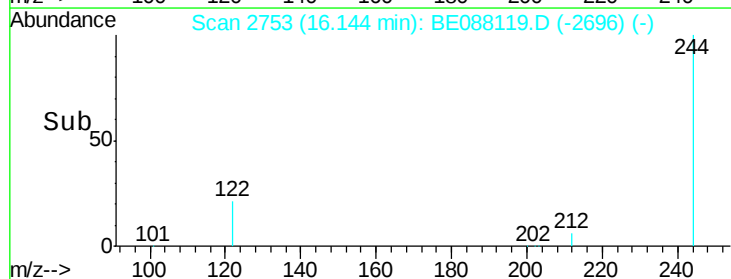
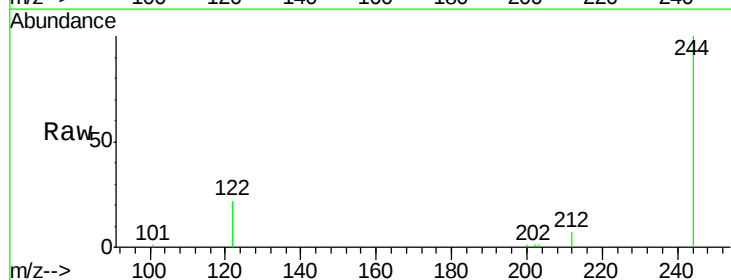
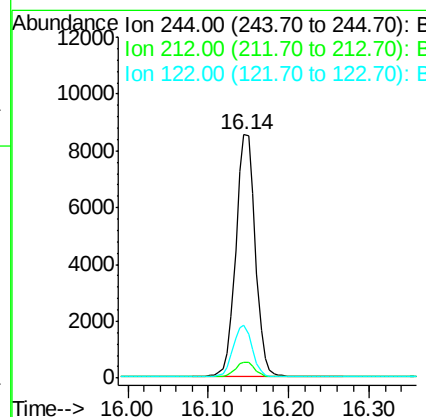
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#18
 Terphenyl-d14
 Concen: 1.05 ng
 RT: 16.14 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: BE088119.D
 Acq: 20 Oct 2014 21:47

Tgt Ion:	244	Resp:	14391
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	21.9	17.5	26.3





#19

Benzo(a)anthracene

Concen: 1.13 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088119.D

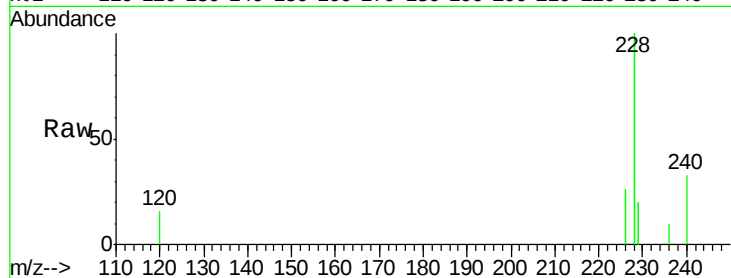
Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

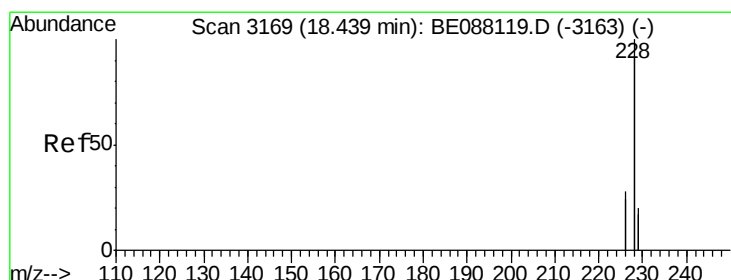
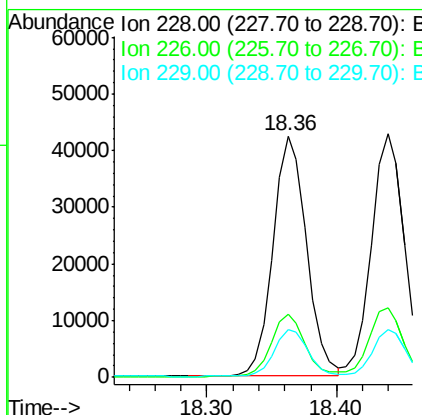
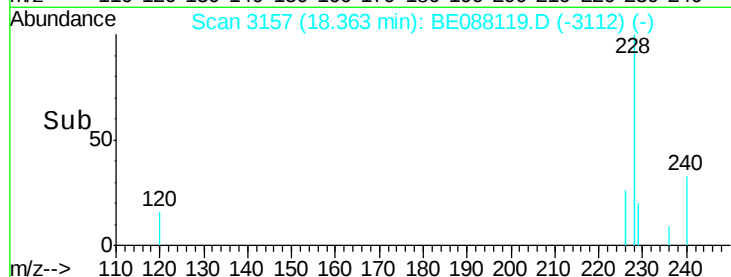
SSTDICCC001



Tgt Ion:	228	Resp:	76406
Ion Ratio	Lower	Upper	
228	100		
226	26.0	20.8	31.2
229	19.5	15.6	23.4

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#20

Chrysene

Concen: 0.93 ng

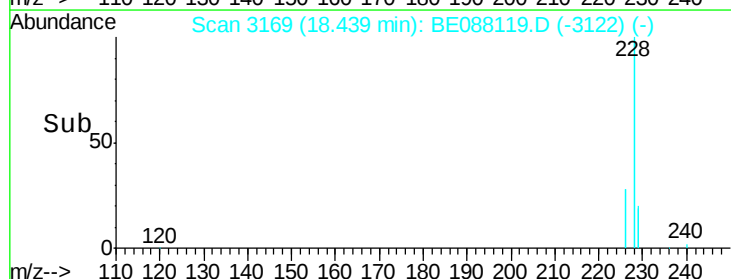
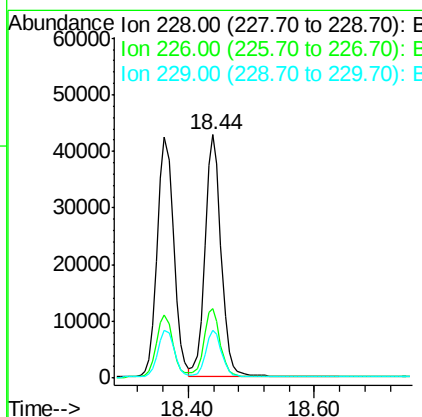
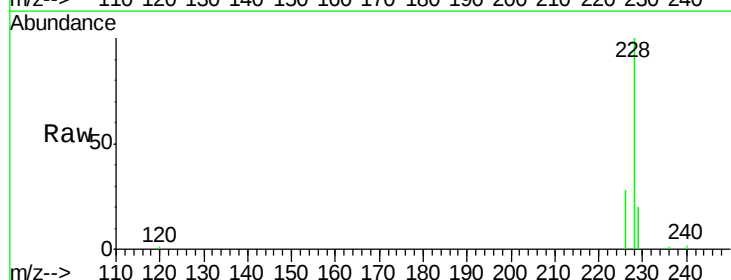
RT: 18.44 min Scan# 3169

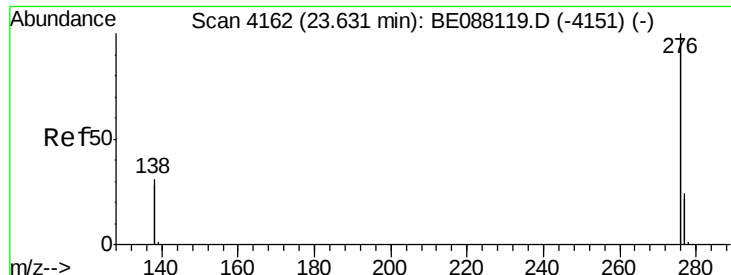
Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Tgt Ion:	228	Resp:	76931
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.7	34.1
229	19.7	15.8	23.6





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.27 ng m

RT: 23.63 min Scan# 4162

Delta R.T. 0.00 min

Lab File: BE088119.D

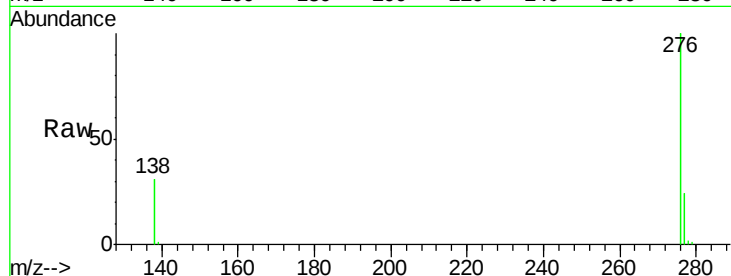
Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001



Tgt Ion: 276 Resp: 85010

Ion Ratio Lower Upper

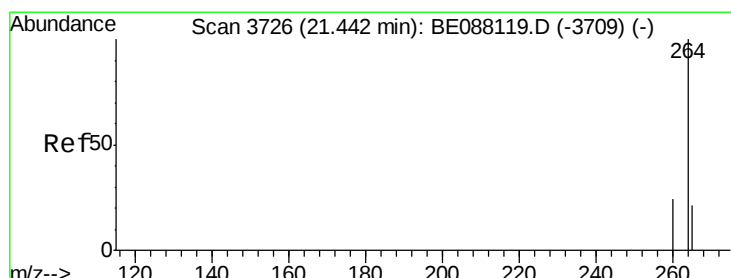
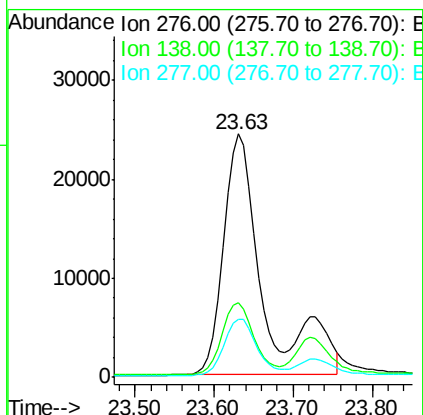
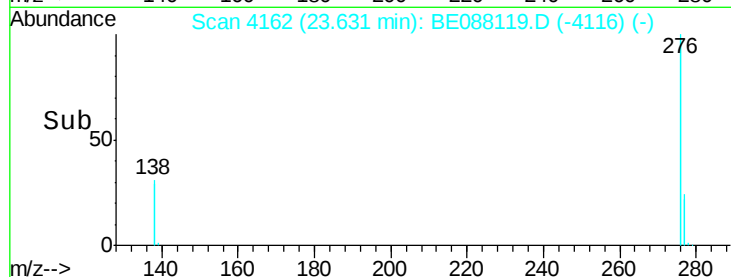
276 100

138 24.6 18.5 27.7

277 19.4 14.6 21.8

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

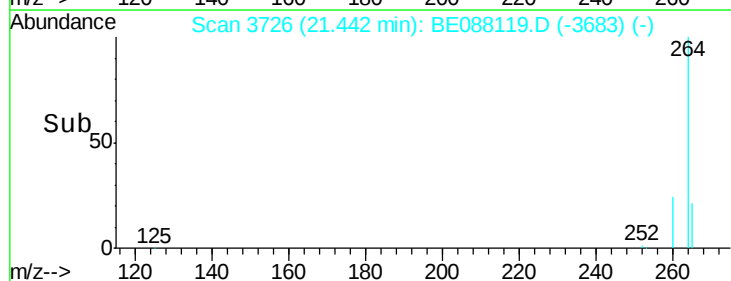
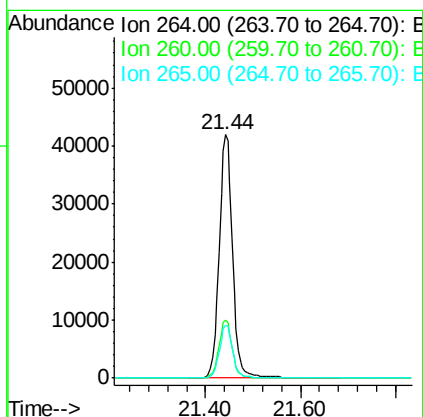
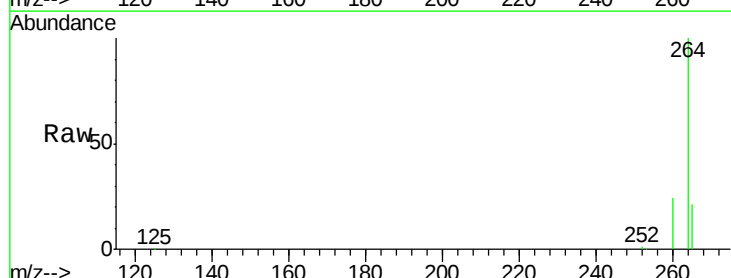
Tgt Ion: 264 Resp: 82108

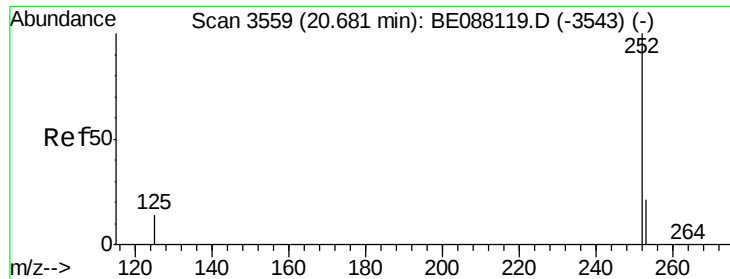
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.5 17.2 25.8





#23

Benzo(b)fluoranthene

Concen: 1.28 ng

RT: 20.68 min Scan# 3559

Delta R.T. 0.00 min

Lab File: BE088119.D

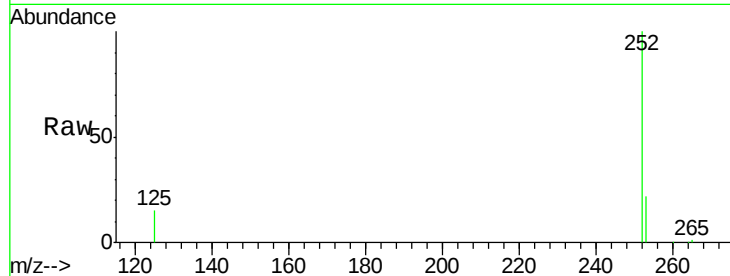
Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

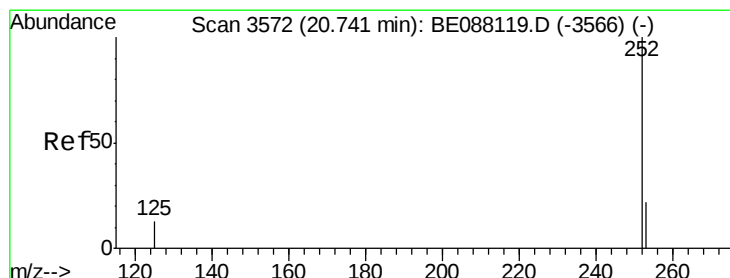
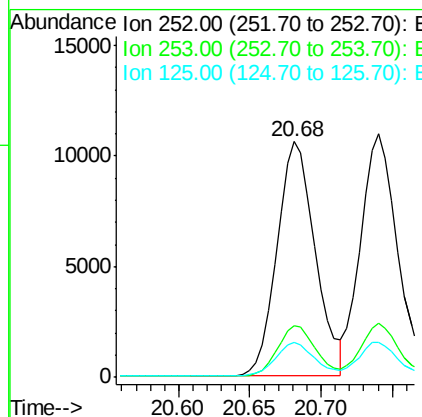
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	14.8	11.8	17.8

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#24

Benzo(k)fluoranthene

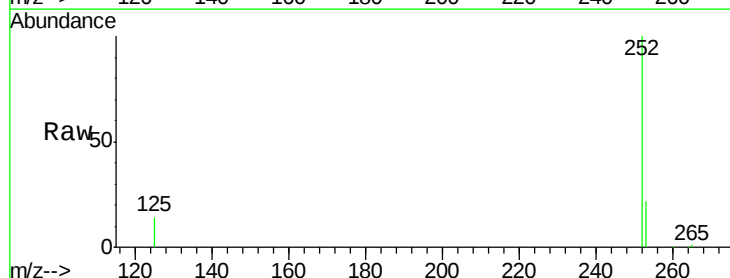
Concen: 0.98 ng

RT: 20.74 min Scan# 3572

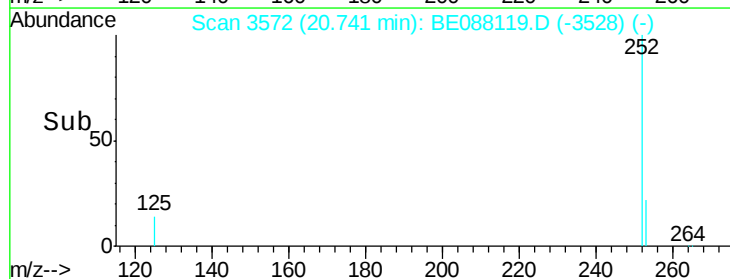
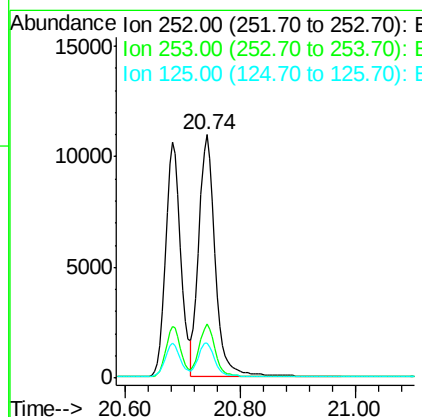
Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	14.4	11.5	17.3





#25

Benzo(a)pyrene

Concen: 1.39 ng

RT: 21.32 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BE088119.D

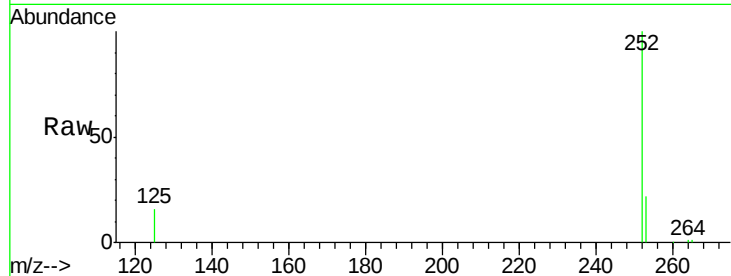
Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

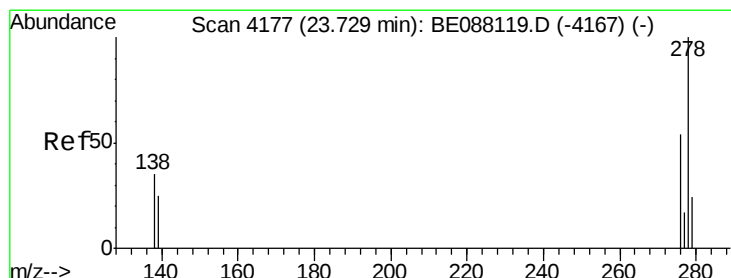
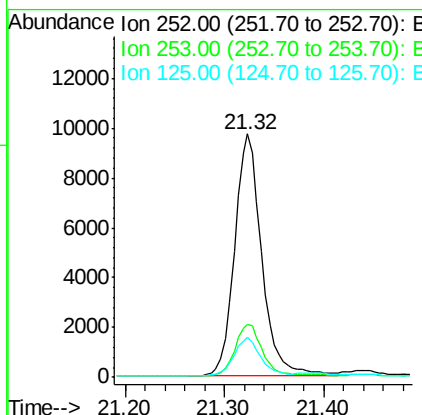
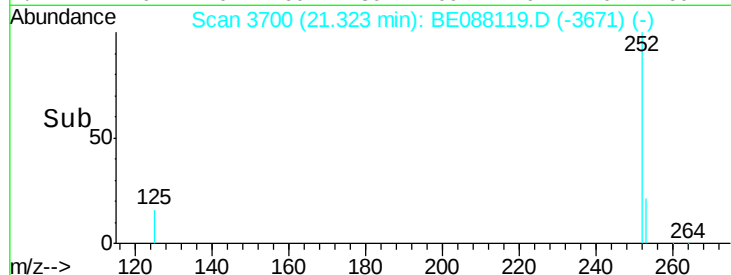
SSTDICCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	16.3	13.0	19.6

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#26

Dibenzo(a,h)anthracene

Concen: 1.26 ng

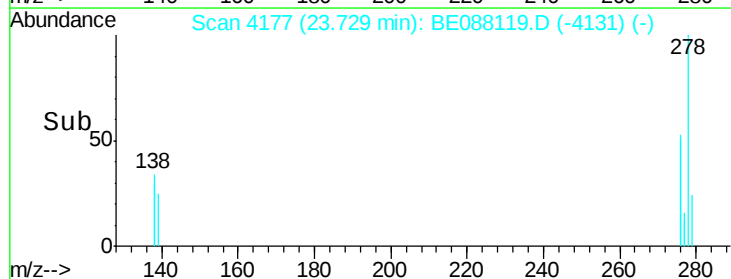
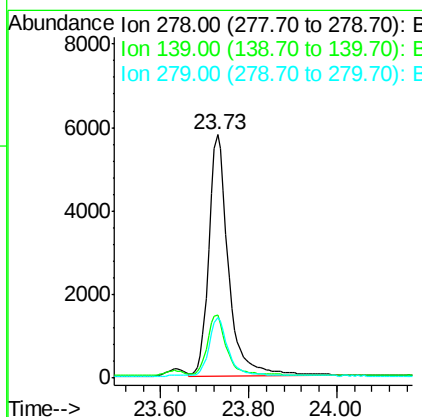
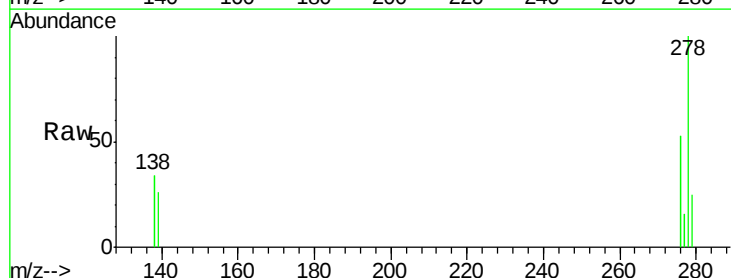
RT: 23.73 min Scan# 4177

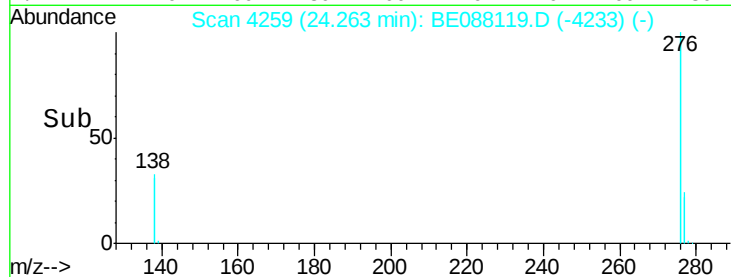
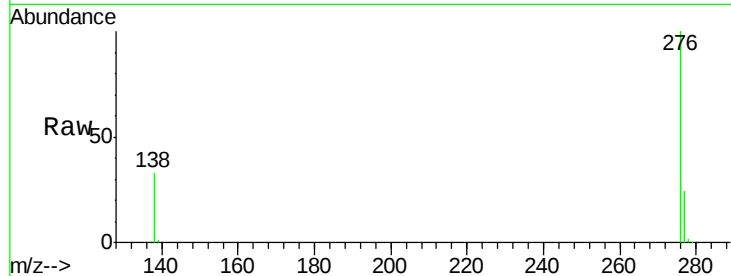
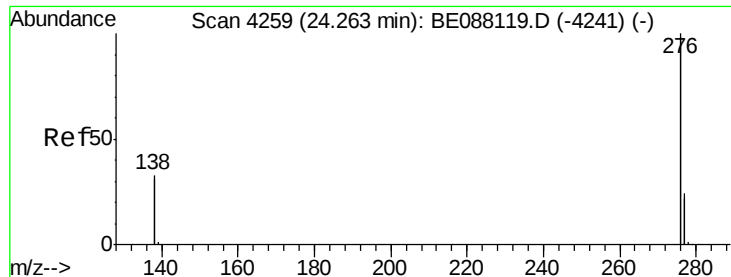
Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.1	20.9	31.3
279	24.8	19.8	29.8





#27

Benzo(g,h,i)perylene

Concen: 1.16 ng

RT: 24.26 min Scan# 4259

Delta R.T. 0.00 min

Lab File: BE088119.D

Acq: 20 Oct 2014 21:47

Instrument :

BNA_E

ClientSampleId :

SSTDICCC001

Tgt Ion: 276 Resp: 78333

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 33.3 26.6 40.0

Manual Integrations

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