

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088121.D
 Acq On : 20 Oct 2014 22:56
 Operator : TP/JJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
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Quant Time: Oct 21 02:07:24 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	52398	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	197925	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	88814	5.00	ng	0.00
12) Phenanthrene-d10	12.97	188	166438	5.00	ng	0.00
16) Chrysene-d12	18.39	240	123662	5.00	ng	0.00
22) Perylene-d12	21.45	264	119048	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	75107	6.27	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	121100	4.94	ng	0.00
18) Terphenyl-d14	16.15	244	100251	5.22	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	37996	5.07	ng	99
5) Naphthalene	8.72	128	197220	4.91	ng	99
6) 2-Methylnaphthalene	9.58	142	121936	5.16	ng	96
9) Acenaphthylene	10.67	152	687784	5.46	ng	100
10) Acenaphthene	10.88	154	99716	4.83	ng	99
11) Fluorene	11.55	166	112489	5.36	ng	99
13) Phenanthrene	13.01	178	628228	4.05	ng	95
14) Anthracene	13.09	178	643715	4.75	ng	99
15) Fluoranthene	15.25	202	151246	4.61	ng	99
17) Pyrene	15.71	202	161337	5.07	ng	100
19) Benzo(a)anthracene	18.37	228	529631	5.60	ng	99
20) Chrysene	18.45	228	514686	4.46	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	604588m	6.43	ng	
23) Benzo(b)fluoranthene	20.69	252	134637	6.04	ng	99
24) Benzo(k)fluoranthene	20.75	252	146972	4.73	ng	99
25) Benzo(a)pyrene	21.33	252	130326	6.77	ng	99
26) Dibenzo(a,h)anthracene	23.73	278	126727	6.22	ng	98
27) Benzo(g,h,i)perylene	24.28	276	546610	5.57	ng	98

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

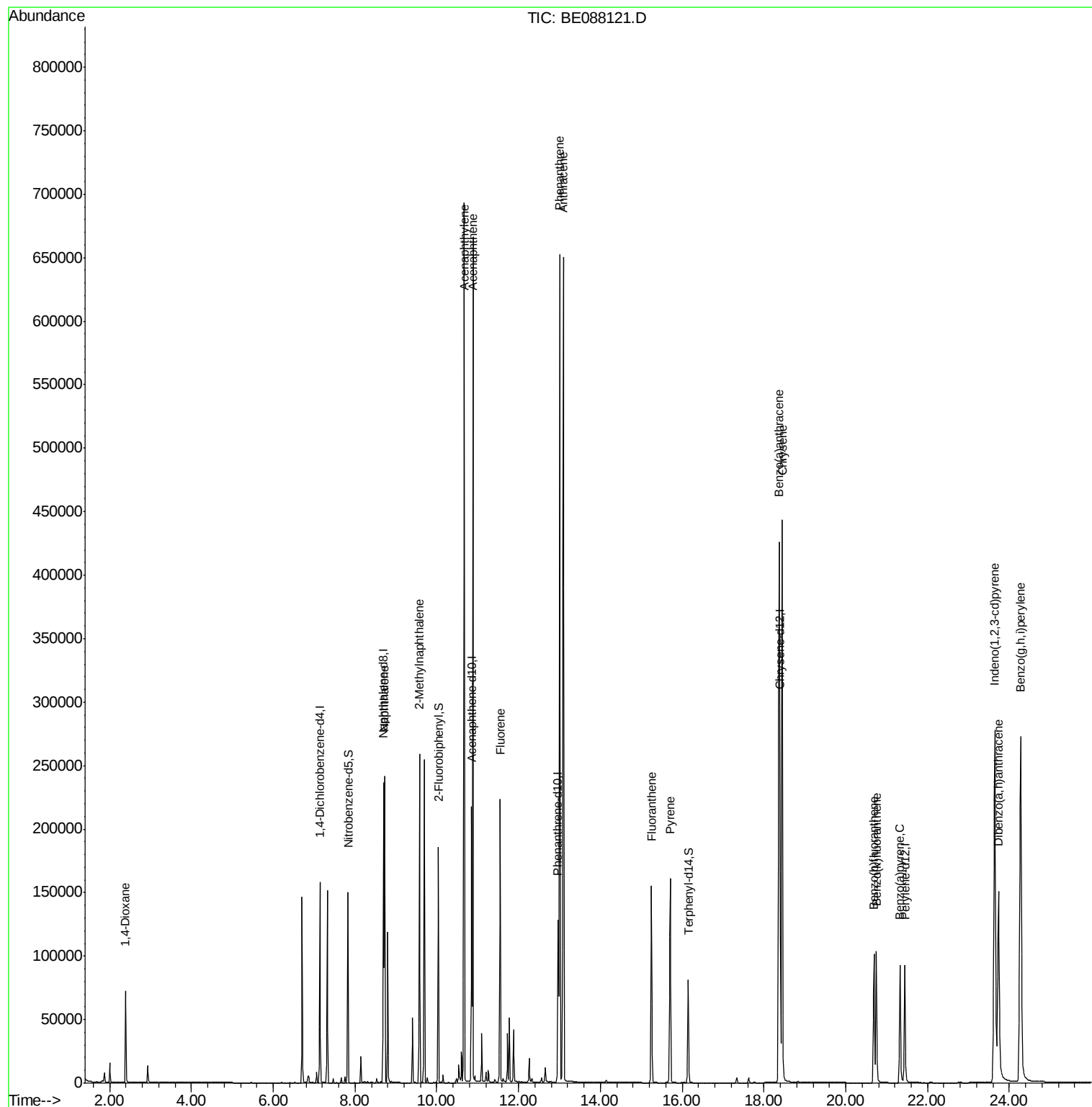
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088121.D

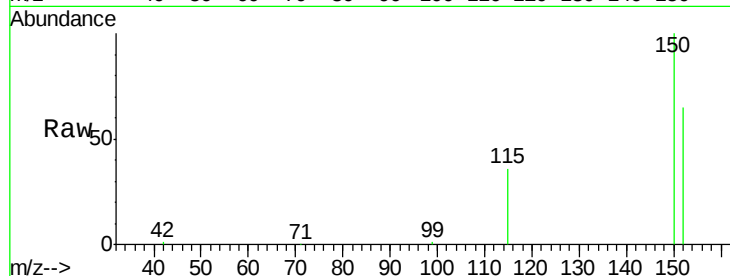
Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion:152 Resp: 52398

Ion Ratio Lower Upper

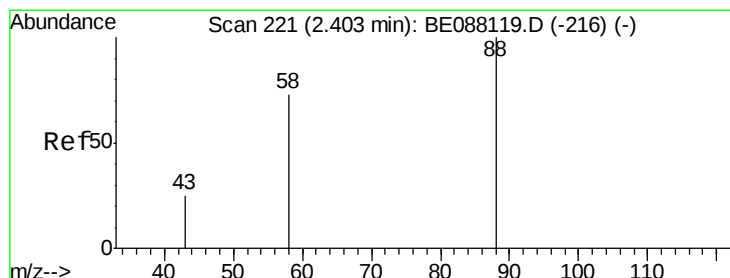
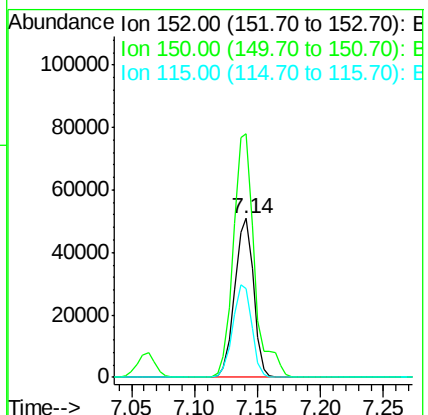
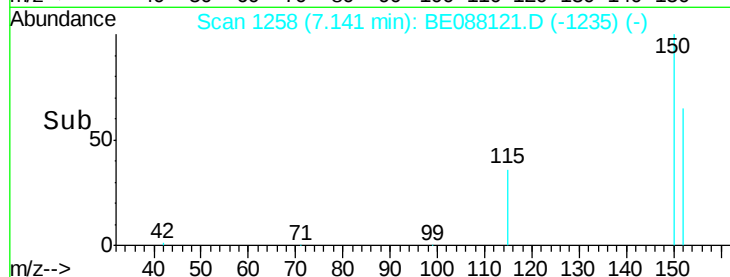
152 100

150 153.1 129.2 193.8

115 55.6 49.3 73.9

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#2

1,4-Dioxane

Concen: 5.07 ng

RT: 2.39 min Scan# 218

Delta R.T. -0.01 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

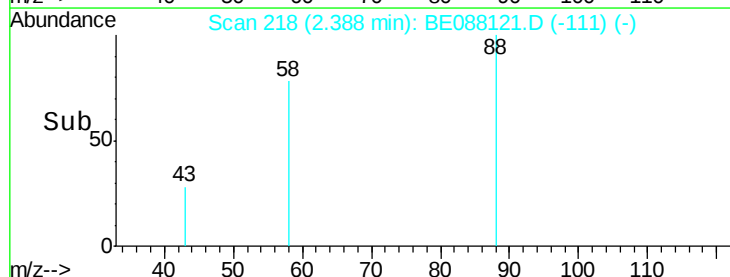
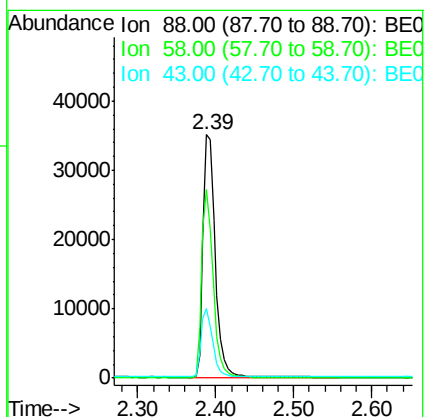
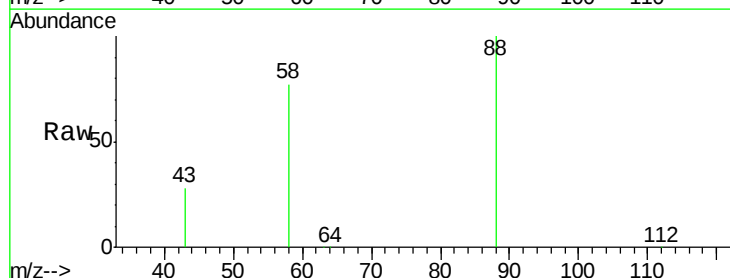
Tgt Ion: 88 Resp: 37996

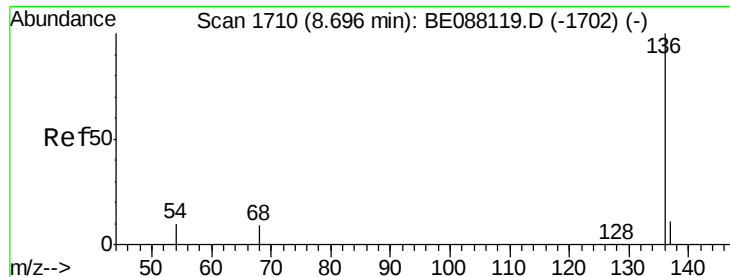
Ion Ratio Lower Upper

88 100

58 73.8 59.5 89.3

43 27.1 21.2 31.8





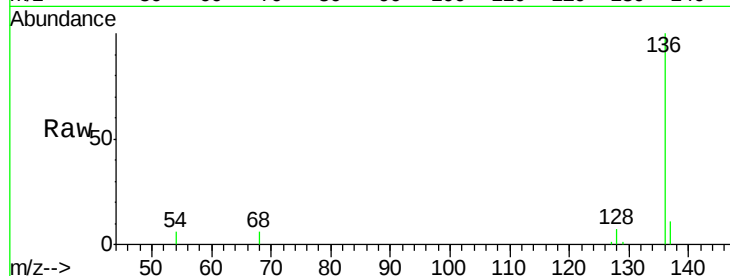
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088121.D
Acq: 20 Oct 2014 22:56

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

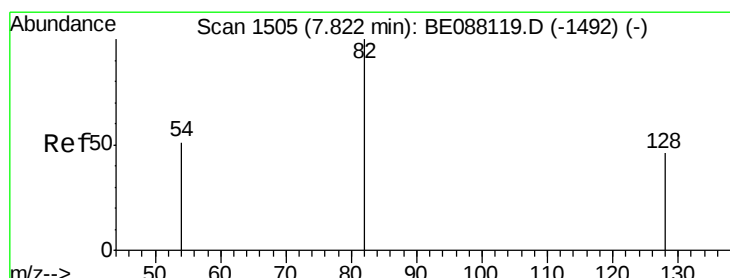
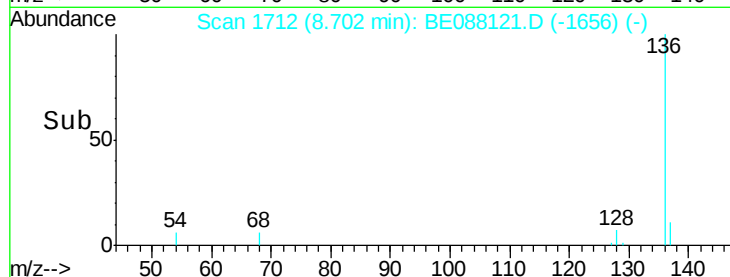
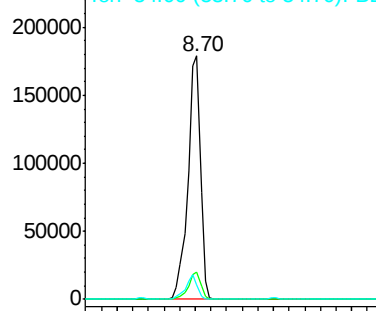
Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	11.4	8.6	12.8
54	5.7	7.7	11.5

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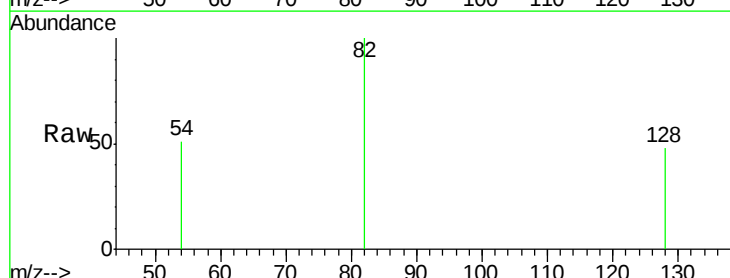


Abundance Ion 136.00 (135.70 to 136.70): BE088121.D (-1656) (-)

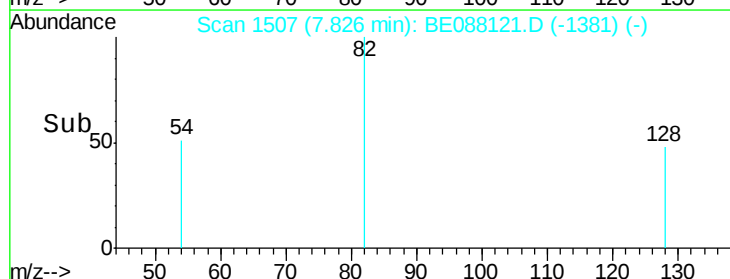
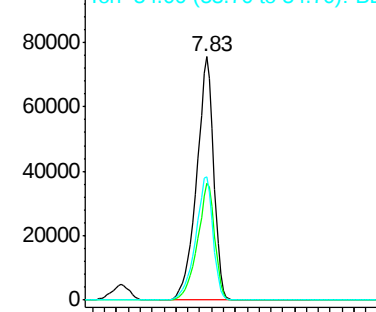


#4
Nitrobenzene-d5
Concen: 6.27 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088121.D
Acq: 20 Oct 2014 22:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	48.2	37.1	55.7
54	50.7	41.1	61.7



Abundance Ion 82.00 (81.70 to 82.70): BE088121.D (-1381) (-)





#5

Naphthalene

Concen: 4.91 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

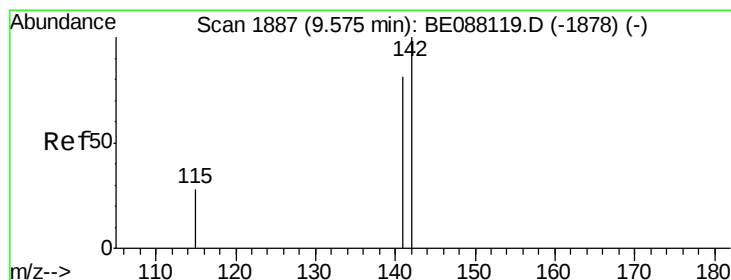
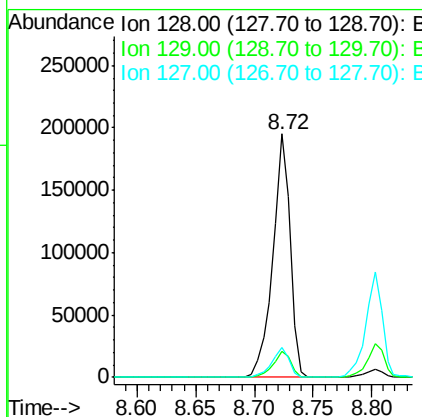
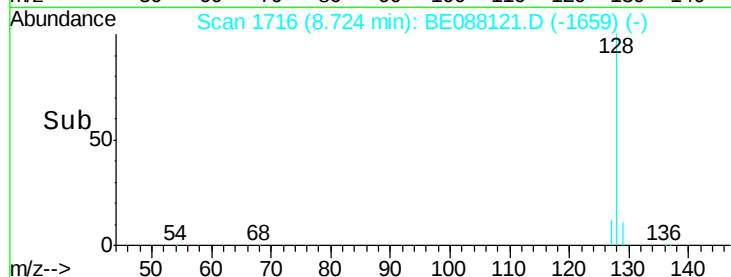
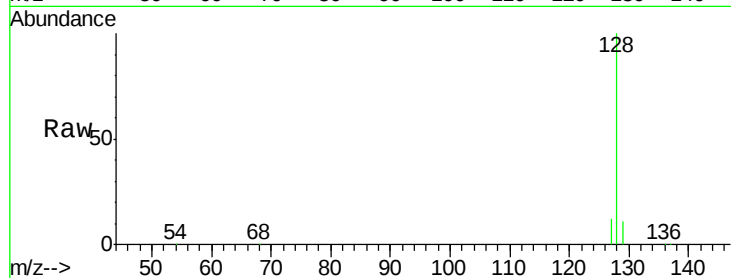
ClientSampleId :

SSTDICC005

Tgt Ion:	128	Resp:	197220
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.9	13.3
127	12.5	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 5.16 ng

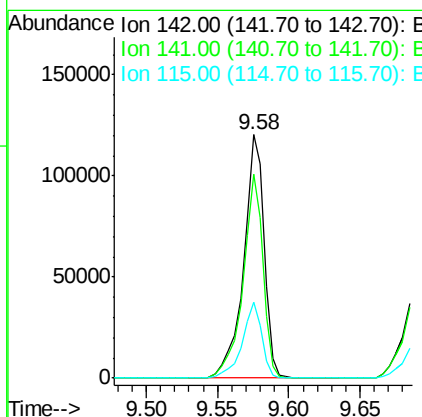
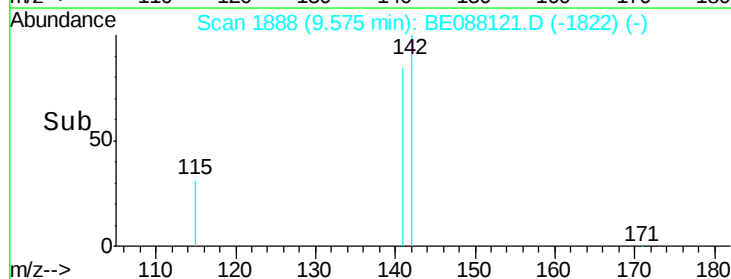
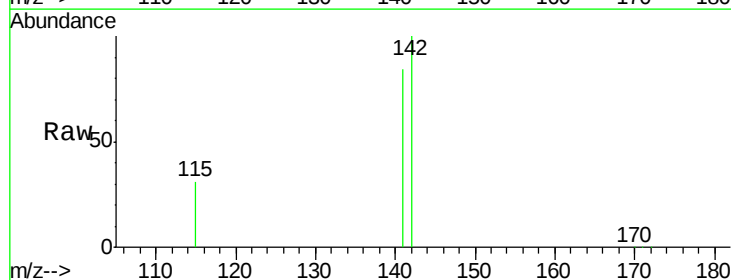
RT: 9.58 min Scan# 1888

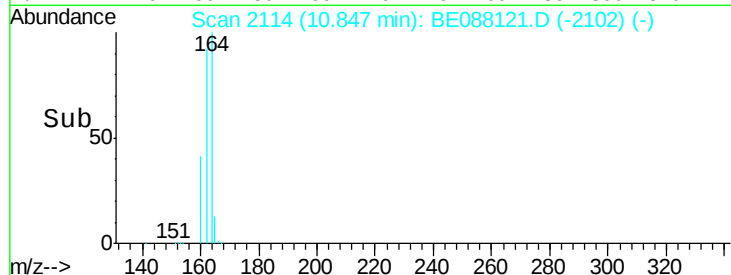
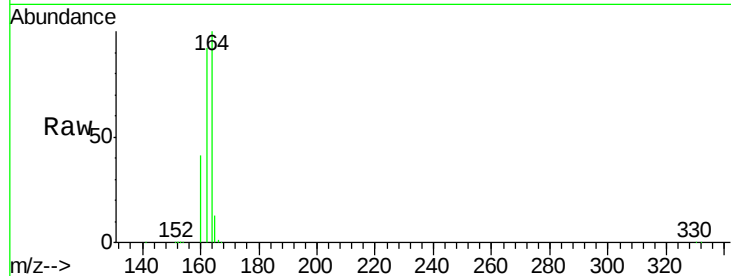
Delta R.T. 0.00 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

Tgt Ion:	142	Resp:	121936
Ion Ratio	Lower	Upper	
142	100		
141	83.6	64.6	97.0
115	31.2	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: BE088121.D

Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

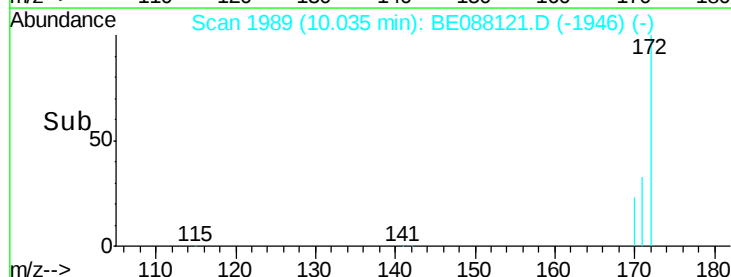
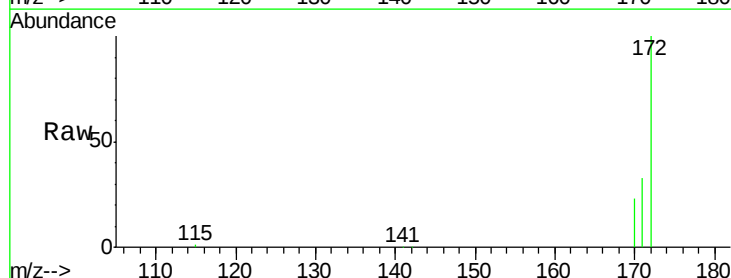
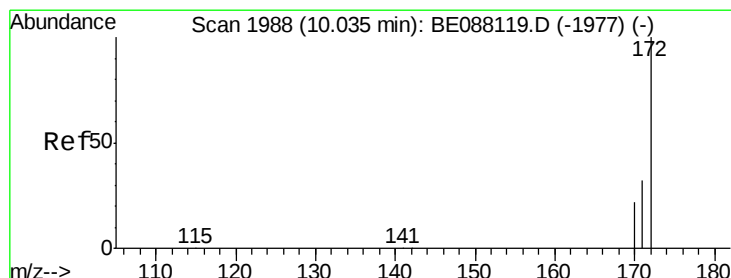
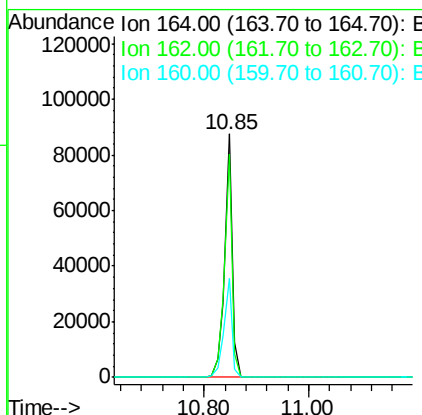
ClientSampleId :

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Tgt Ion:	164	Resp:	88814
Ion Ratio	Lower	Upper	
164	100		
162	91.5	68.3	102.5
160	40.7	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 4.94 ng

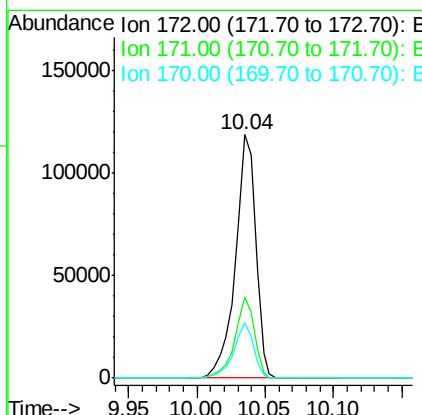
RT: 10.04 min Scan# 1989

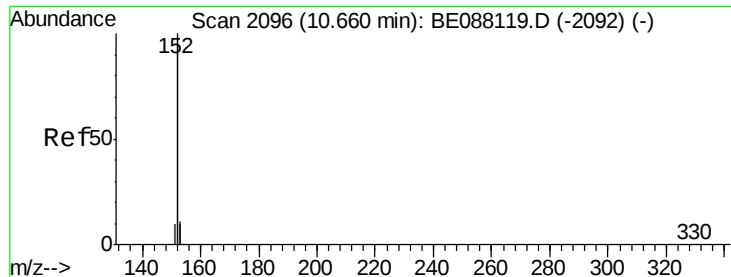
Delta R.T. 0.00 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

Tgt Ion:	172	Resp:	121100
Ion Ratio	Lower	Upper	
172	100		
171	33.2	25.4	38.2
170	23.0	17.4	26.2





#9

Acenaphthylene

Concen: 5.46 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088121.D

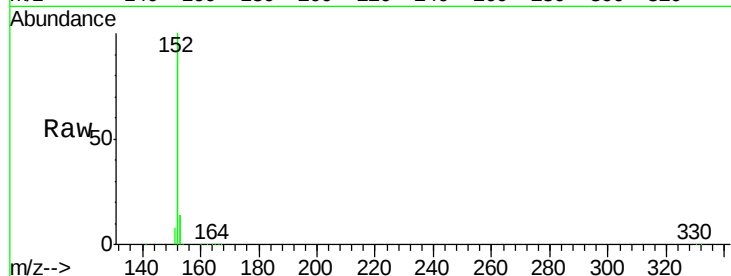
Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

ClientSampleId :

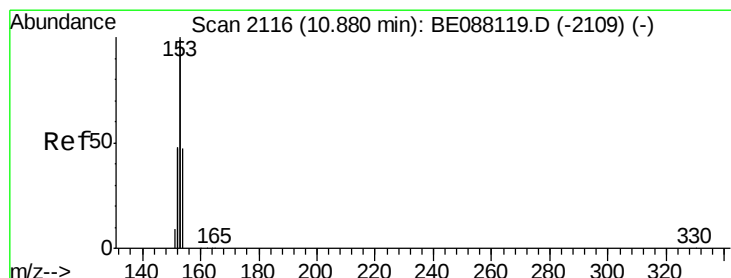
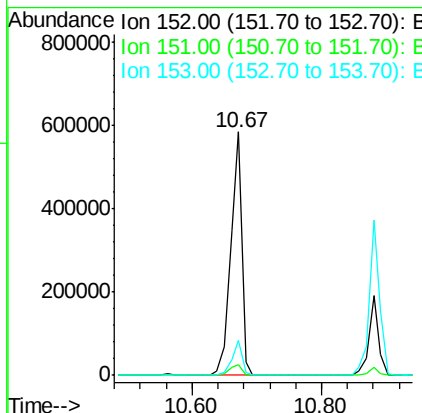
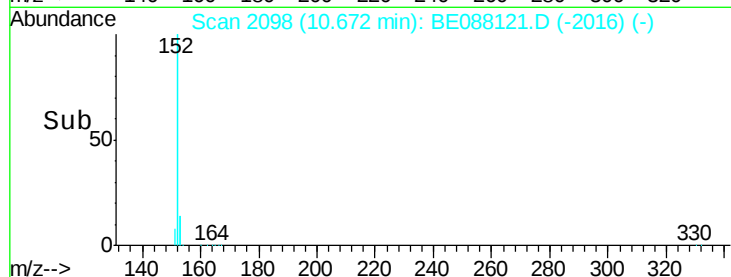
SSTDIC005



Tgt Ion:	152	Resp:	687784
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.1	10.4	15.6

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#10

Acenaphthene

Concen: 4.83 ng

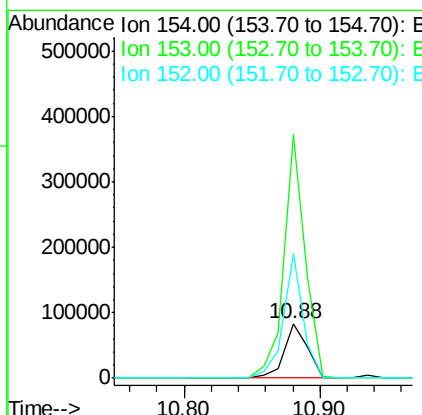
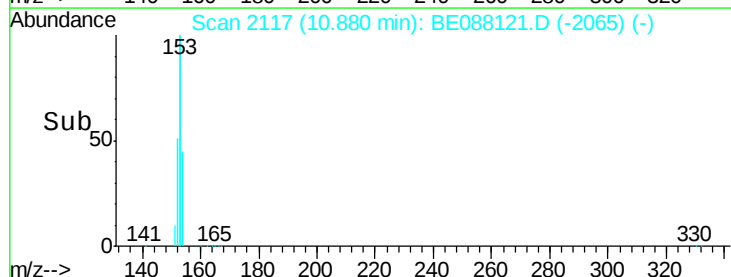
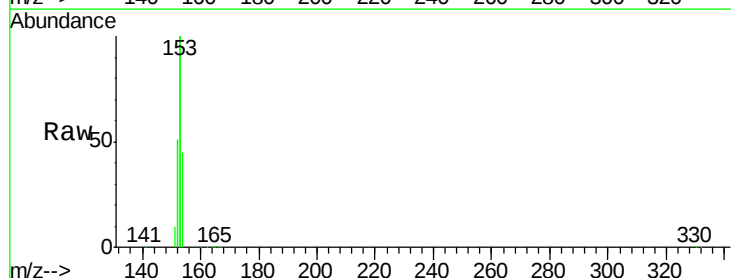
RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

Tgt Ion:	154	Resp:	99716
Ion Ratio	Lower	Upper	
154	100		
153	408.5	327.8	491.6
152	195.2	157.6	236.4





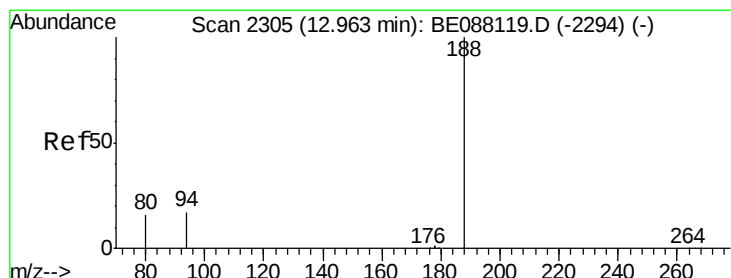
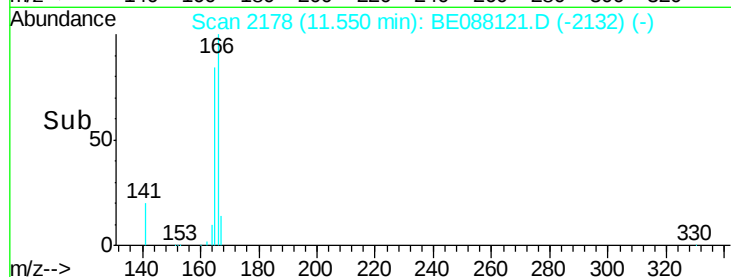
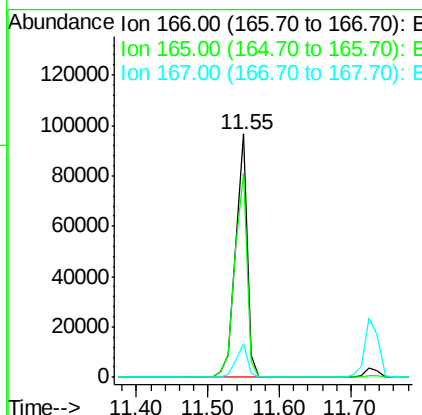
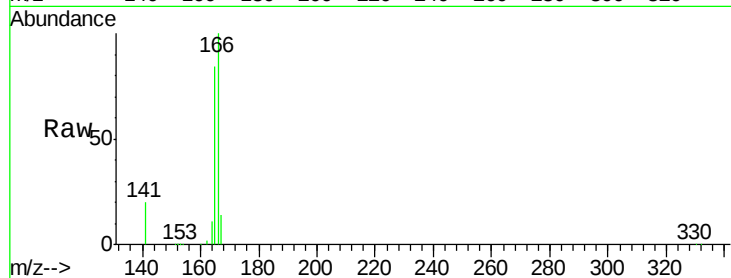
#11
Fluorene
 Concen: 5.36 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BE088121.D
 Acq: 20 Oct 2014 22:56

Instrument :
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 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.2	71.4	107.2
167	13.5	10.6	16.0

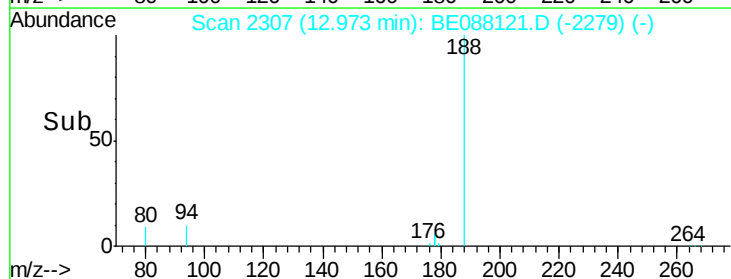
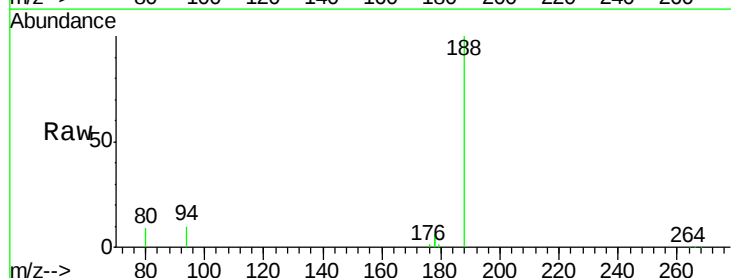
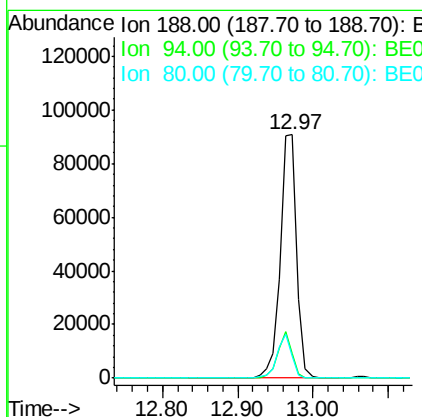
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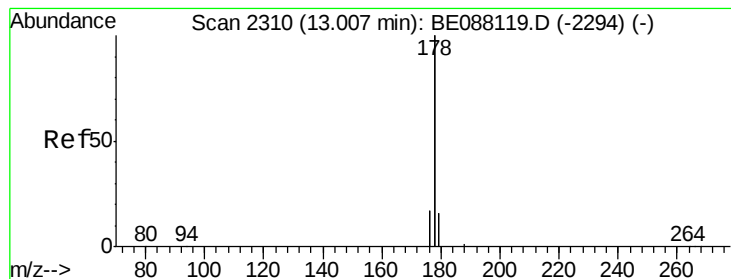
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.97 min Scan# 2307
 Delta R.T. 0.01 min
 Lab File: BE088121.D
 Acq: 20 Oct 2014 22:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	13.9	20.9#
80	8.9	12.9	19.3#





#13

Phenanthrene

Concen: 4.05 ng

RT: 13.01 min Scan# 2311

Delta R.T. 0.00 min

Lab File: BE088121.D

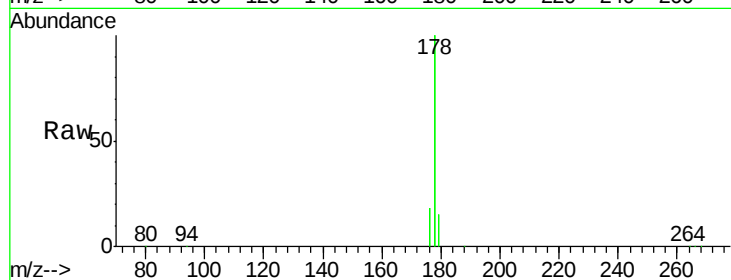
Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

ClientSampleId :

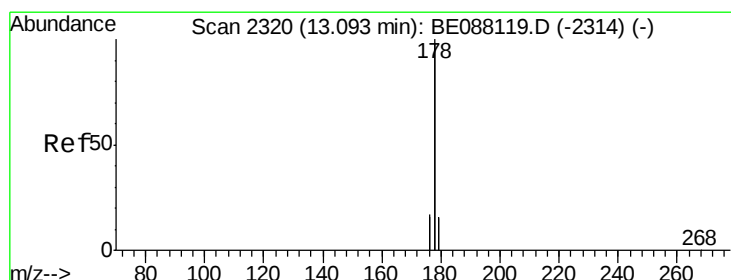
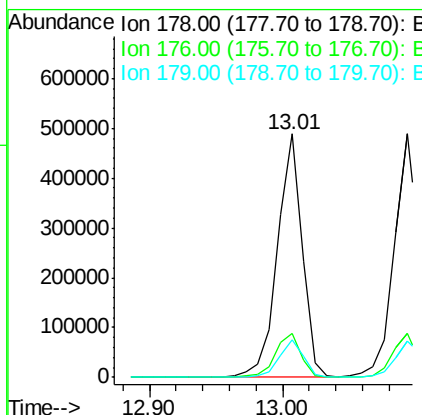
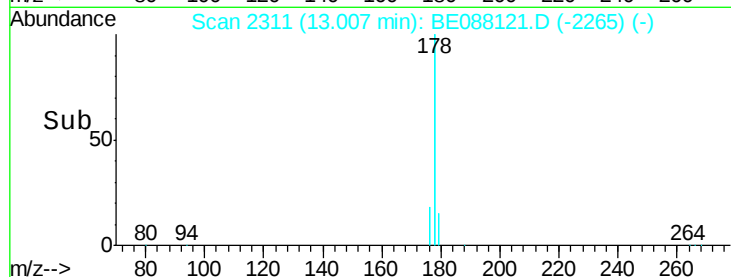
SSTDICC005



Tgt Ion:	178	Resp:	628228
Ion Ratio	Lower	Upper	
178	100		
176	18.6	12.5	18.7
179	15.3	13.5	20.3

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#14

Anthracene

Concen: 4.75 ng

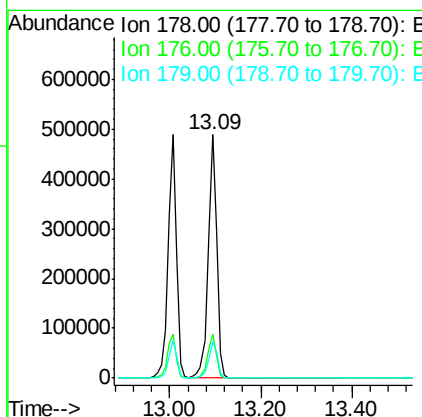
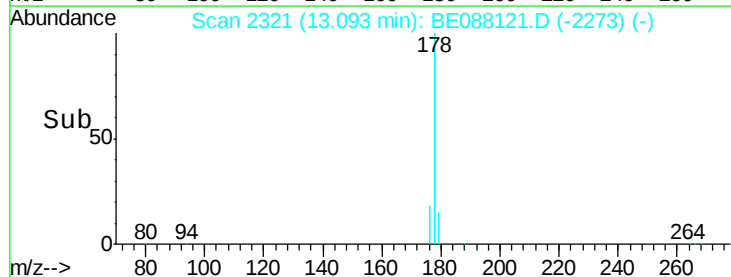
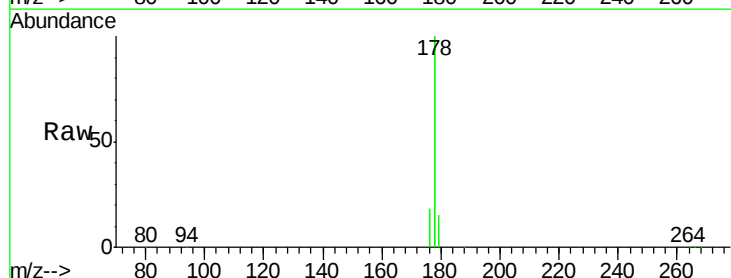
RT: 13.09 min Scan# 2321

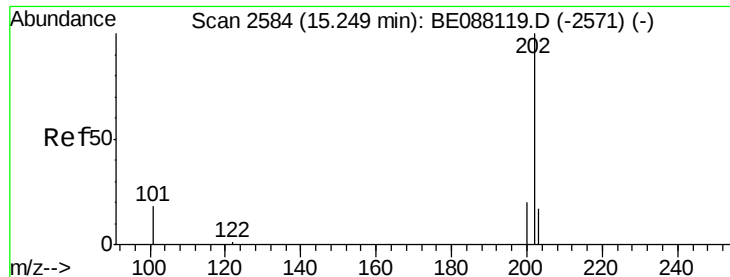
Delta R.T. 0.00 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

Tgt Ion:	178	Resp:	643715
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.6	21.8
179	15.2	12.5	18.7





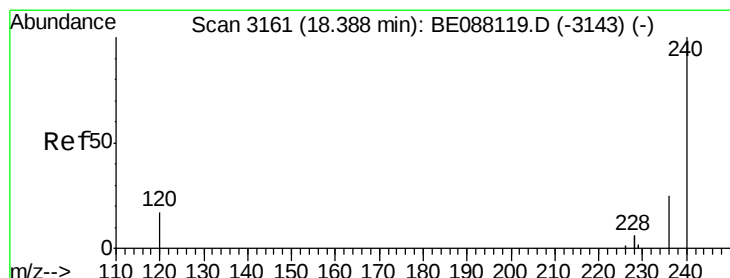
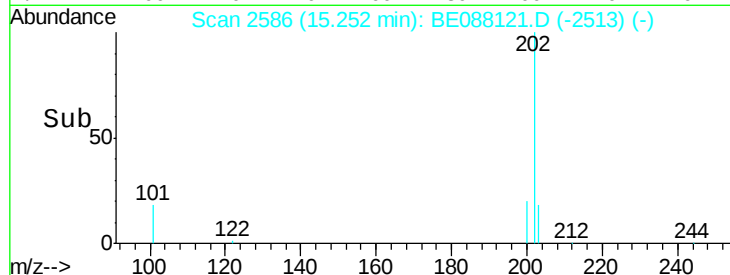
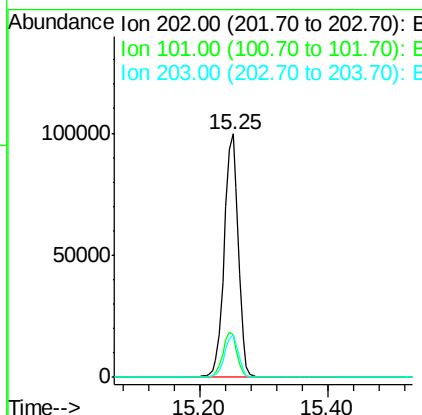
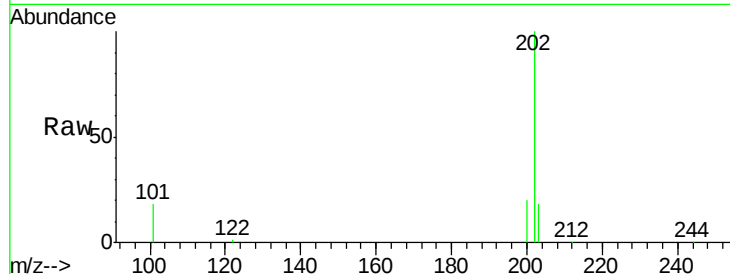
#15
 Fluoranthene
 Concen: 4.61 ng
 RT: 15.25 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: BE088121.D
 Acq: 20 Oct 2014 22:56

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		151246		
101	18.6	14.8	22.2		
203	17.4	13.5	20.3		

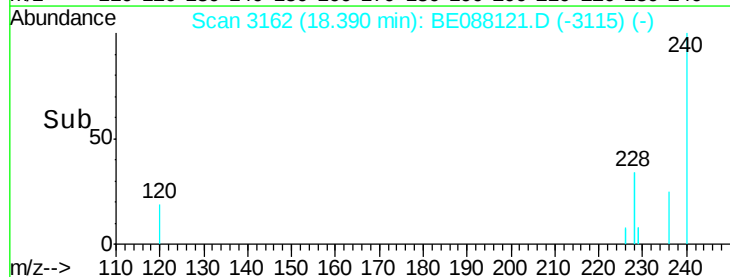
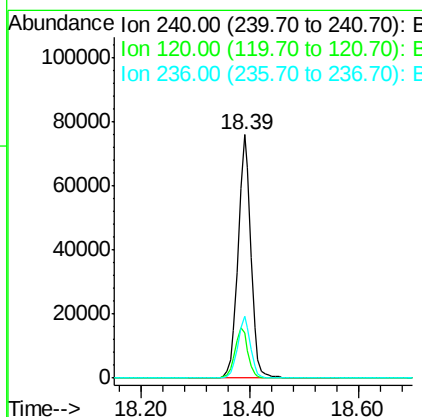
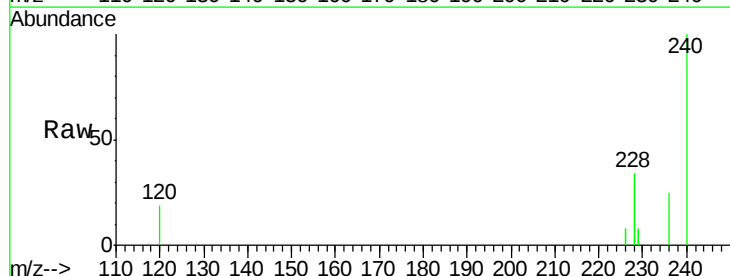
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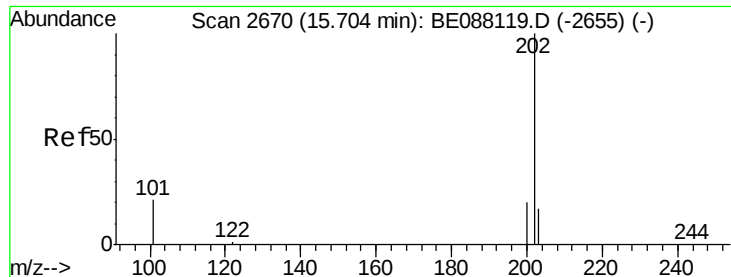
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.39 min Scan# 3162
 Delta R.T. 0.00 min
 Lab File: BE088121.D
 Acq: 20 Oct 2014 22:56

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		123662		
120	18.6	13.9	20.9		
236	25.3	19.9	29.9		





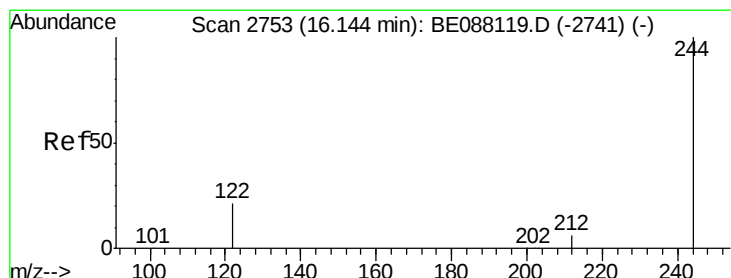
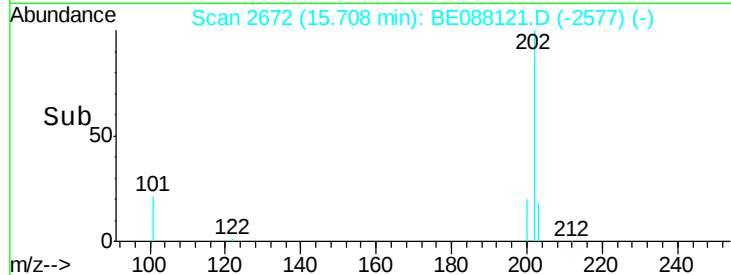
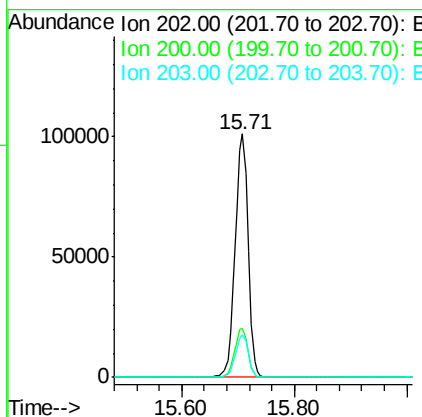
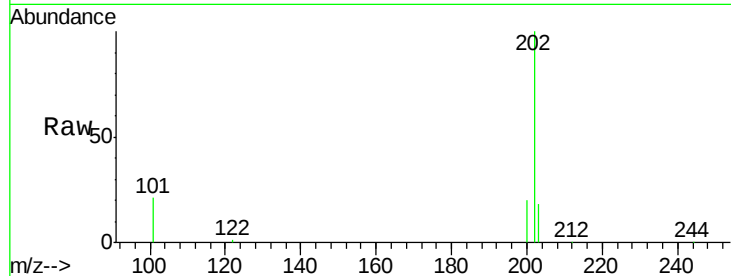
#17
Pyrene
Concen: 5.07 ng
RT: 15.71 min Scan# 2672
Delta R.T. 0.00 min
Lab File: BE088121.D
Acq: 20 Oct 2014 22:56

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.2	16.1	24.1
203	17.4	13.9	20.9

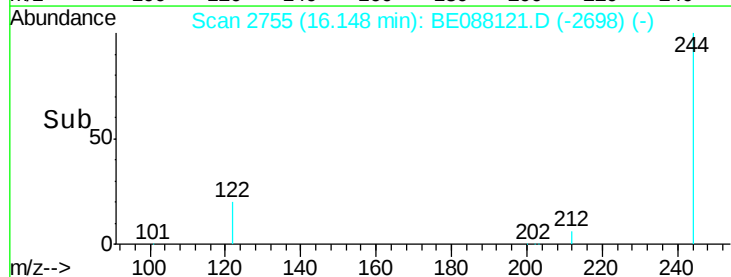
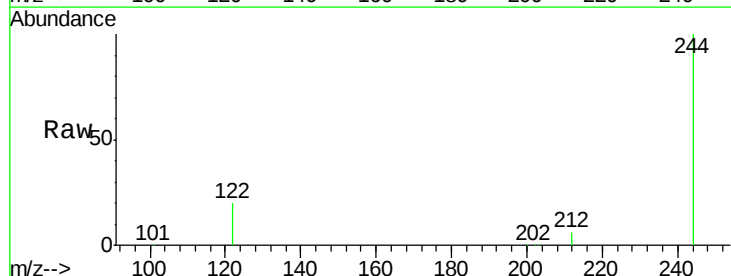
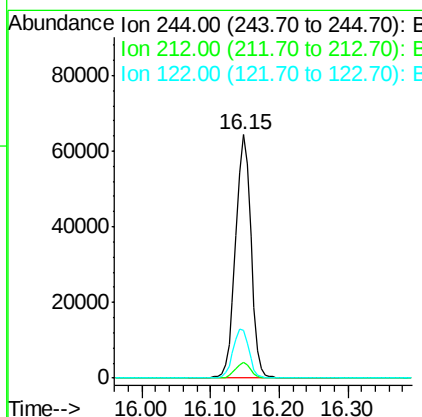
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#18
Terphenyl-d14
Concen: 5.22 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088121.D
Acq: 20 Oct 2014 22:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	5.4	8.0
122	19.6	17.5	26.3





#19

Benzo(a)anthracene

Concen: 5.60 ng

RT: 18.37 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BE088121.D

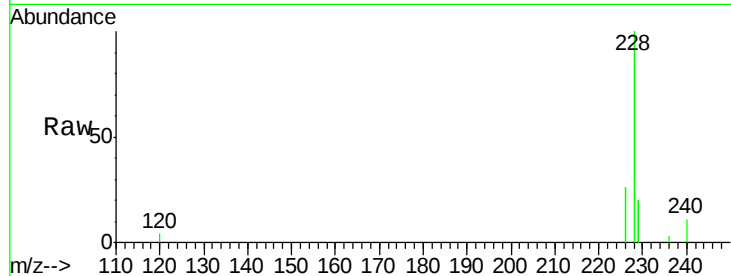
Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

ClientSampleId :

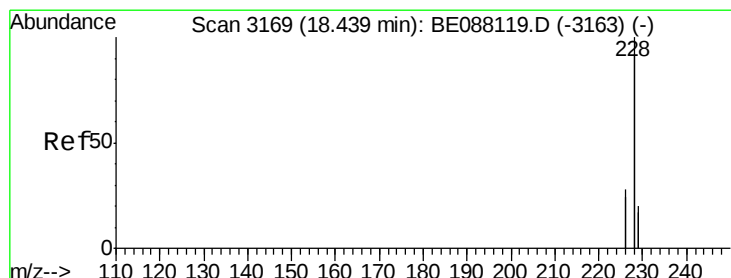
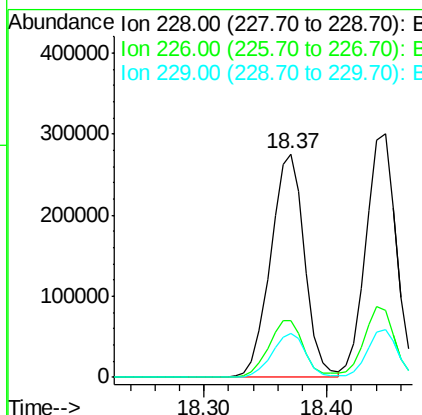
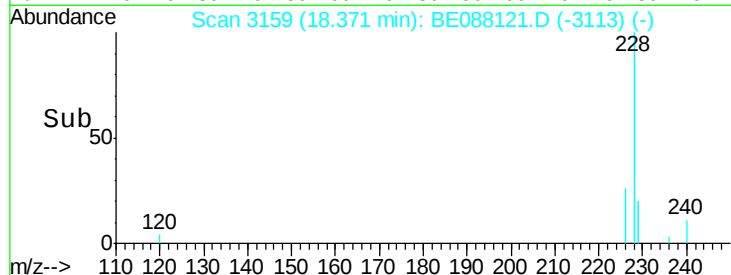
SSTDICC005



Tgt	Ion	Ratio	Lower	Upper
228	100			
226	25.6	20.8	31.2	
229	19.8	15.6	23.4	

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#20

Chrysene

Concen: 4.46 ng

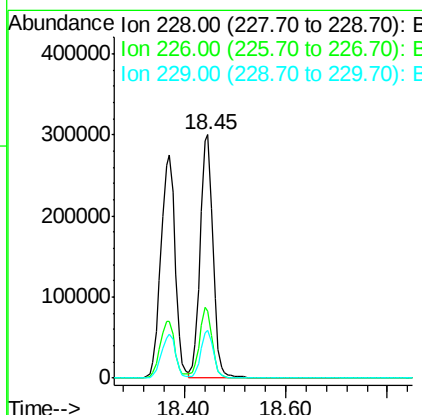
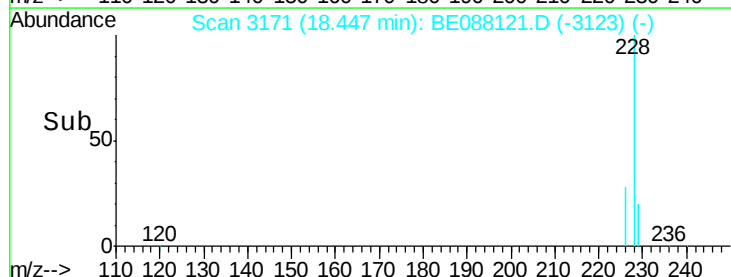
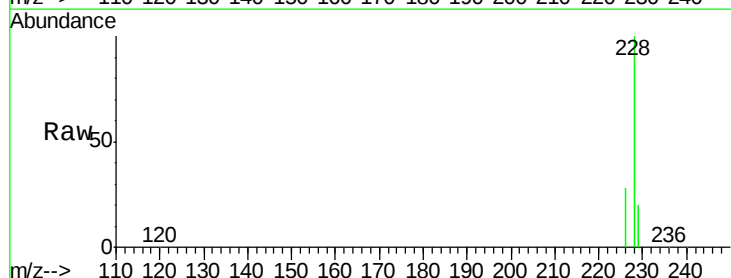
RT: 18.45 min Scan# 3171

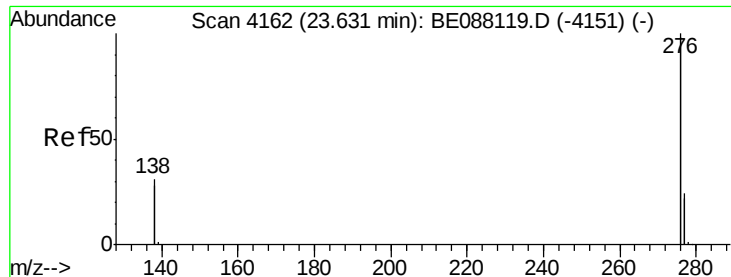
Delta R.T. 0.01 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	27.6	22.7	34.1	
229	19.7	15.8	23.6	





#21

Indeno(1,2,3-cd)pyrene

Concen: 6.43 ng m

RT: 23.64 min Scan# 4165

Delta R.T. 0.01 min

Lab File: BE088121.D

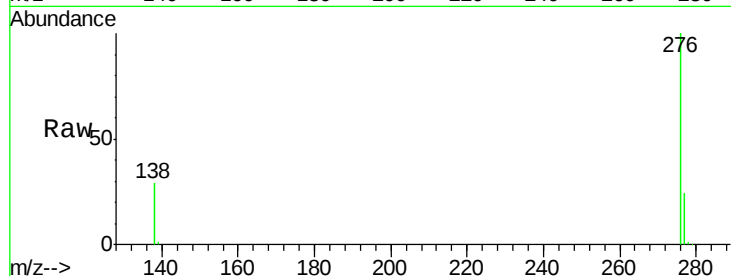
Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

ClientSampleId :

SSTDIC005



Tgt Ion: 276 Resp: 604588

Ion Ratio Lower Upper

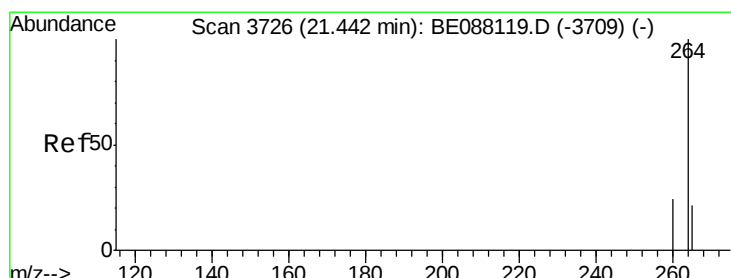
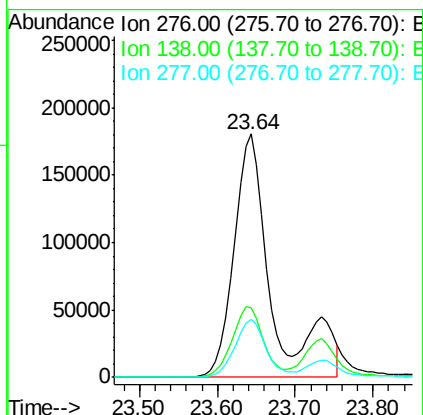
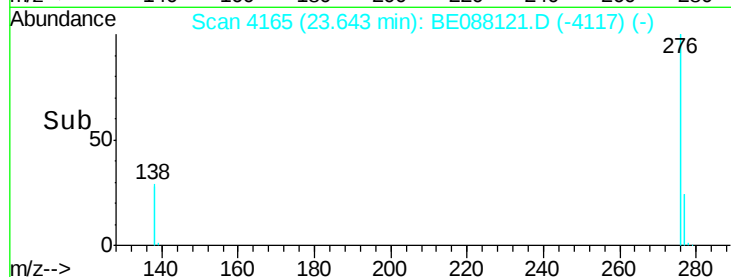
276 100

138 23.9 18.5 27.7

277 19.3 14.6 21.8

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.45 min Scan# 3728

Delta R.T. 0.01 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

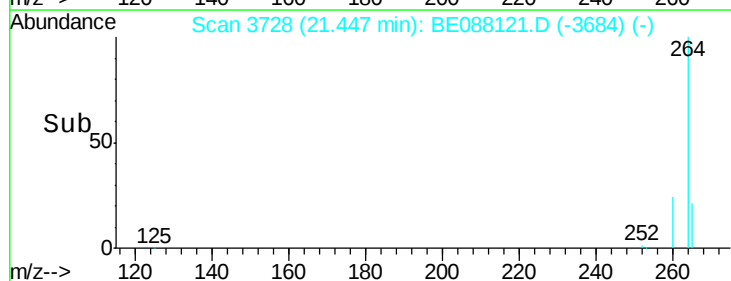
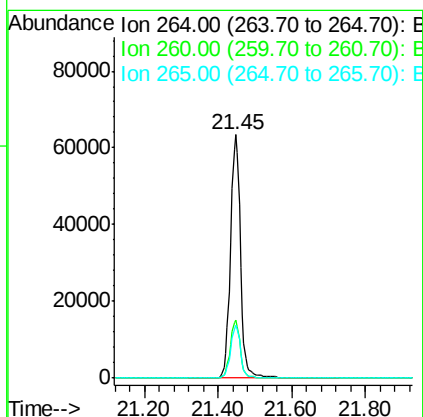
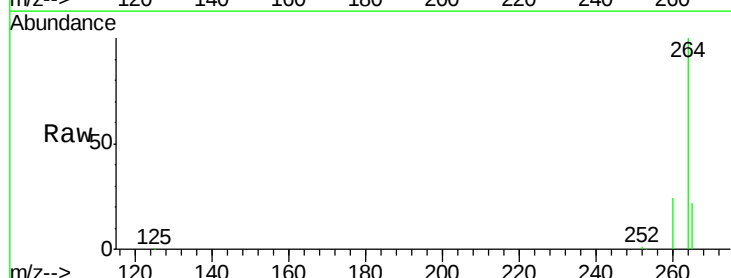
Tgt Ion: 264 Resp: 119048

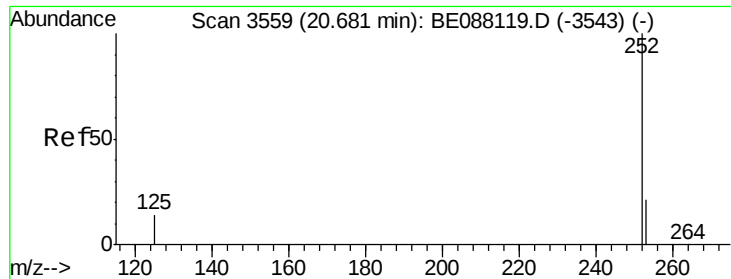
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.5 17.2 25.8





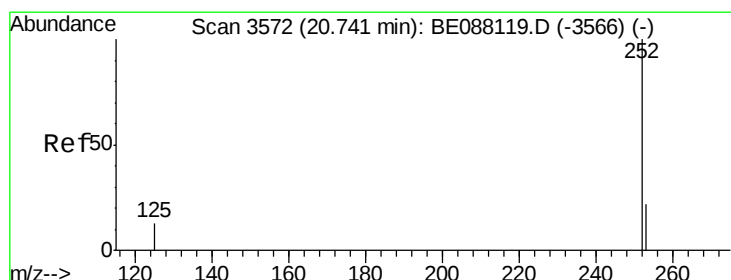
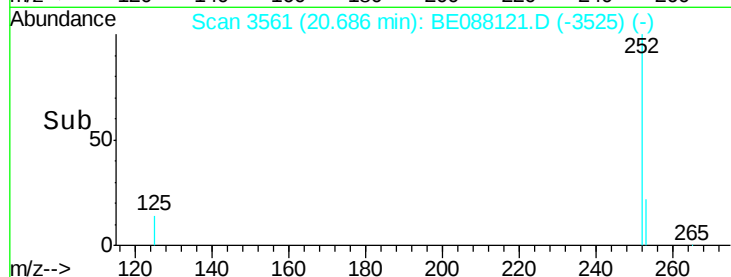
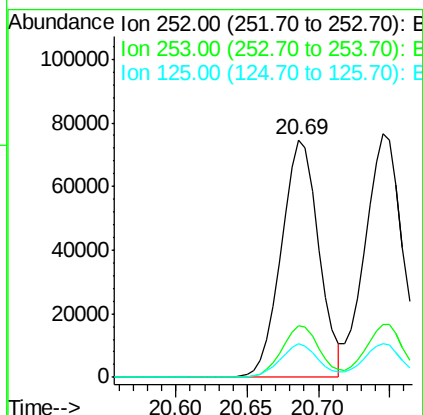
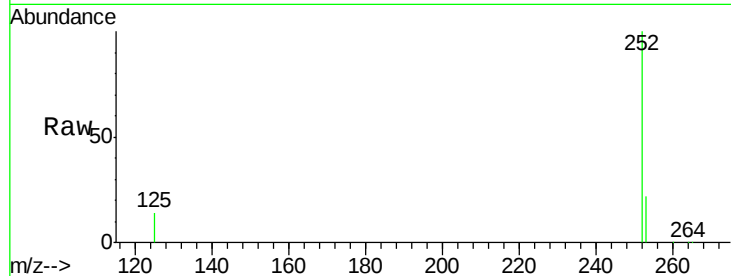
#23
Benzo(b)fluoranthene
Concen: 6.04 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BE088121.D
Acq: 20 Oct 2014 22:56

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	14.1	11.8	17.8

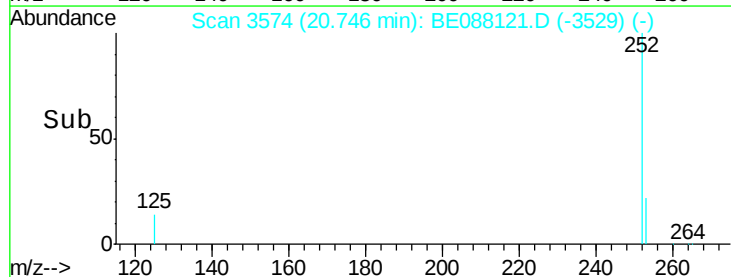
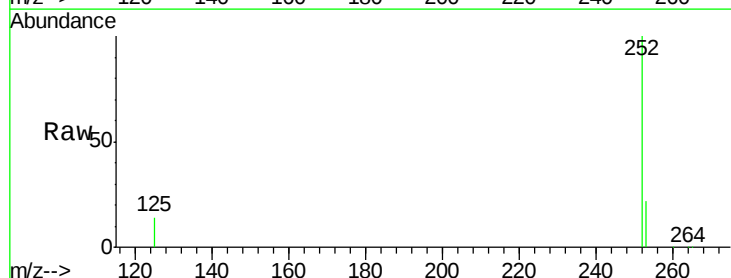
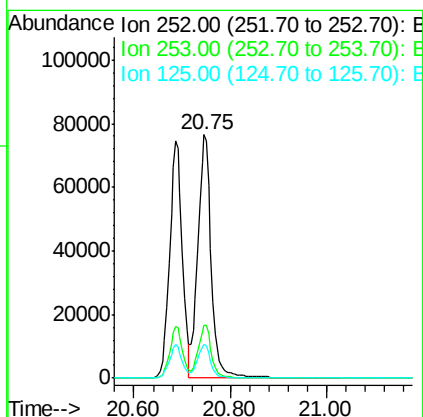
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#24
Benzo(k)fluoranthene
Concen: 4.73 ng
RT: 20.75 min Scan# 3574
Delta R.T. 0.01 min
Lab File: BE088121.D
Acq: 20 Oct 2014 22:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	14.0	11.5	17.3





#25

Benzo(a)pyrene

Concen: 6.77 ng

RT: 21.33 min Scan# 3702

Delta R.T. 0.01 min

Lab File: BE088121.D

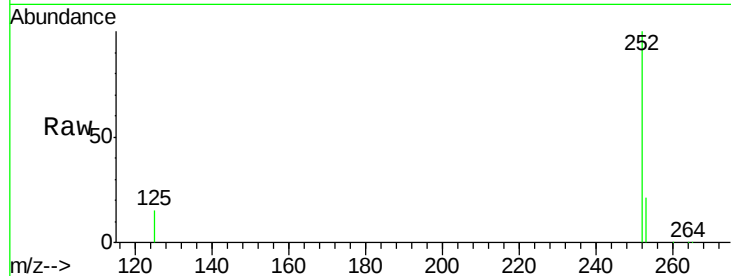
Acq: 20 Oct 2014 22:56

Instrument :

BNA_E

ClientSampleId :

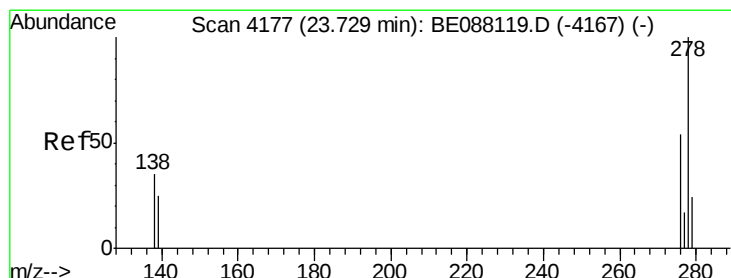
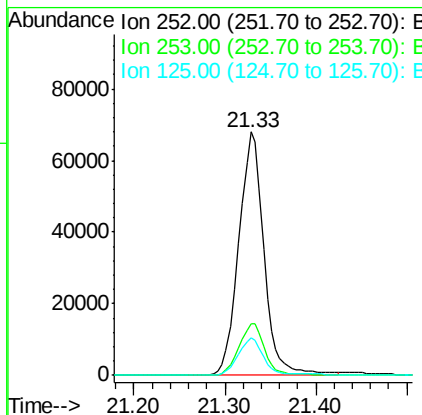
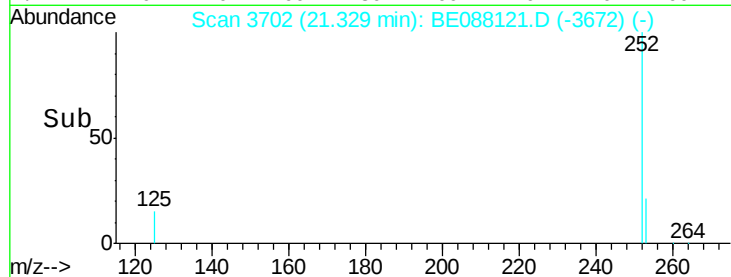
SSTDIC005



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	15.5	13.0	19.6

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#26

Dibenzo(a,h)anthracene

Concen: 6.22 ng

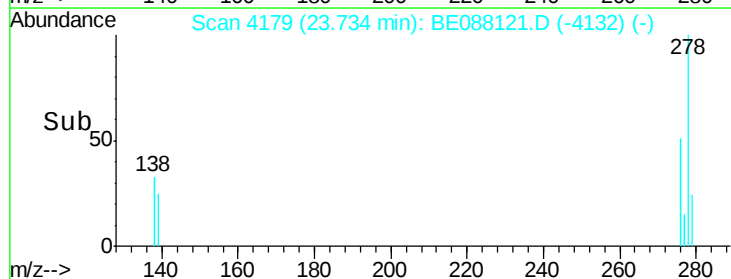
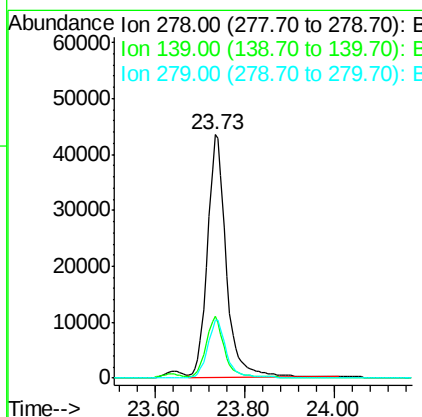
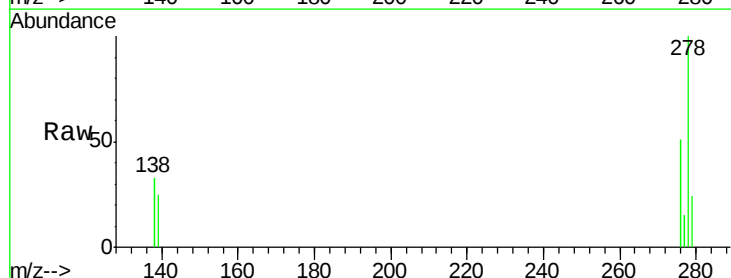
RT: 23.73 min Scan# 4179

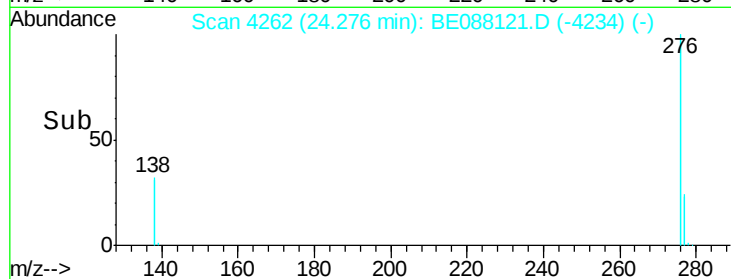
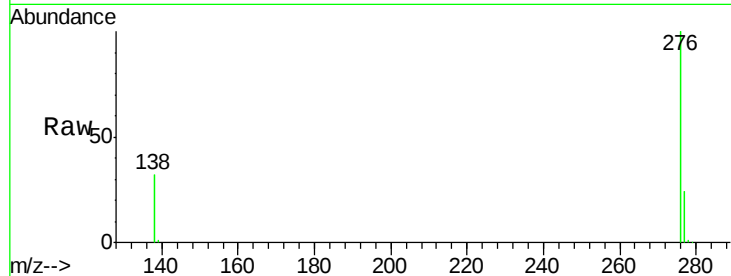
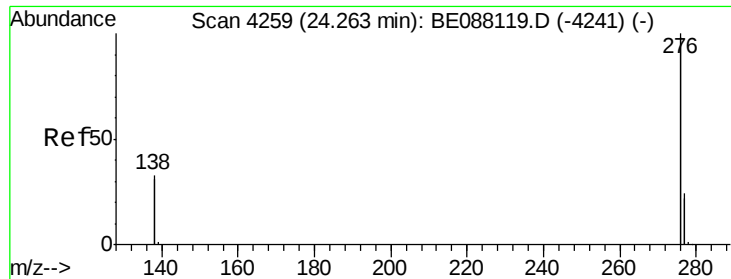
Delta R.T. 0.01 min

Lab File: BE088121.D

Acq: 20 Oct 2014 22:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.3	20.9	31.3
279	23.9	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 5.57 ng
 RT: 24.28 min Scan# 4262
 Delta R.T. 0.01 min
 Lab File: BE088121.D
 Acq: 20 Oct 2014 22:56

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	23.7	19.2	28.8	
138	31.8	26.6	40.0	

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