

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088180.D
 Acq On : 22 Oct 2014 13:40
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

mohammad
 10/28/2014 12:05:36 PM

Quant Time: Oct 27 04:18:20 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	29860	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	113496	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	51329	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	85726	5.00	ng	0.00
16) Chrysene-d12	18.39	240	52882	5.00	ng	0.00
22) Perylene-d12	21.45	264	48641	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	8401	1.03	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	14961	1.06	ng	0.00
18) Terphenyl-d14	16.15	244	9193	1.08	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.34	88	4345	1.01	ng	98
5) Naphthalene	8.72	128	24234	1.04	ng	100
6) 2-Methylnaphthalene	9.57	142	14684	1.05	ng	96
9) Acenaphthylene	10.67	152	83071	1.06	ng	100
10) Acenaphthene	10.88	154	12333	1.02	ng	99
11) Fluorene	11.55	166	13042	1.02	ng	100
13) Phenanthrene	13.01	178	70103	0.93	ng	96
14) Anthracene	13.09	178	66605	1.00	ng	99
15) Fluoranthene	15.25	202	14063	0.86	ng	100
17) Pyrene	15.70	202	15308	1.06	ng	100
19) Benzo(a)anthracene	18.36	228	44506	0.95	ng	99
20) Chrysene	18.44	228	46992	1.02	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	52512m	1.02	ng	
23) Benzo(b)fluoranthene	20.69	252	10576	0.91	ng	99
24) Benzo(k)fluoranthene	20.74	252	12433	1.00	ng	99
25) Benzo(a)pyrene	21.33	252	10227	0.96	ng	99
26) Dibenzo(a,h)anthracene	23.73	278	10332	0.99	ng	99
27) Benzo(g,h,i)perylene	24.27	276	48189	1.04	ng	99

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

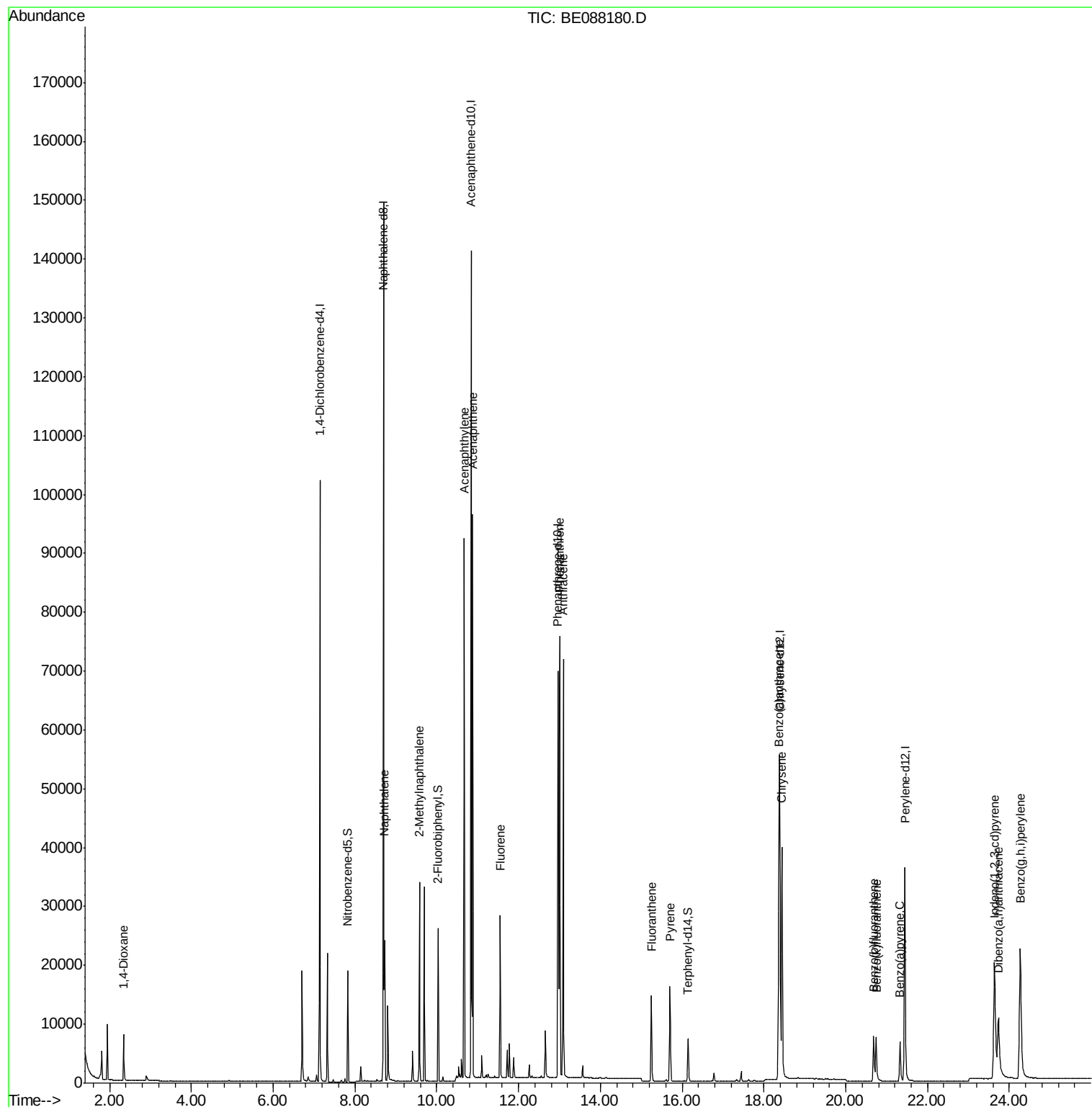
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088180.D
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ALS Vial : 2 Sample Multiplier: 1

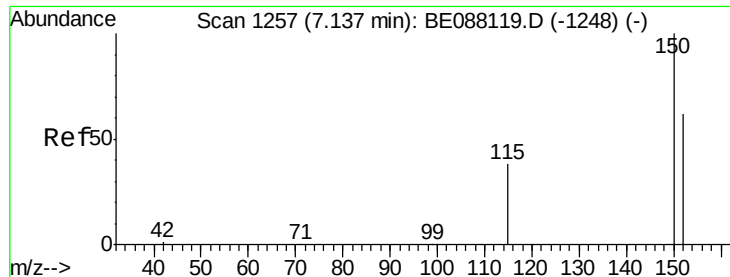
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
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QLast Update : Tue Oct 21 02:11:14 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088180.D

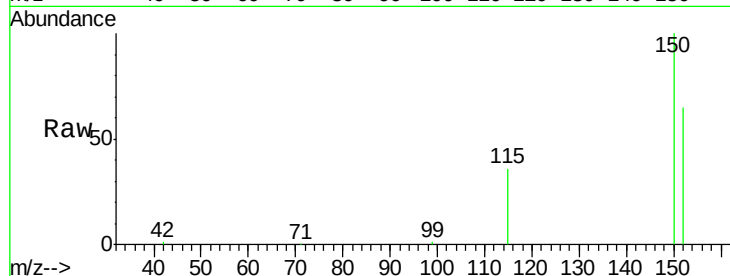
Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 29860

Ion Ratio Lower Upper

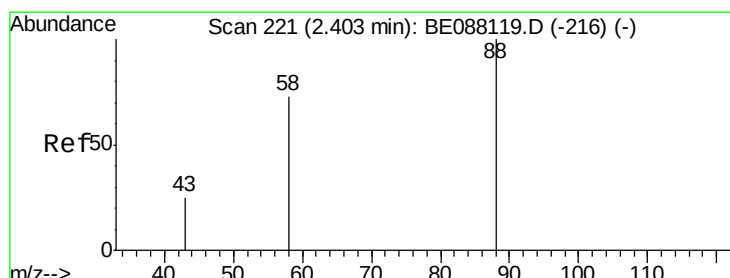
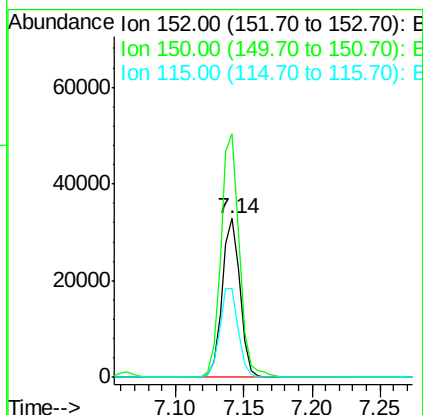
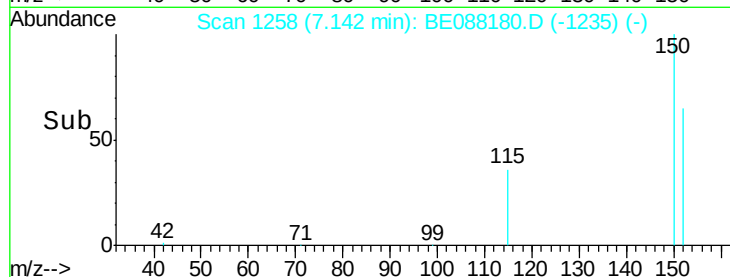
152 100

150 153.0 129.2 193.8

115 55.8 49.3 73.9

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#2

1,4-Dioxane

Concen: 1.01 ng

RT: 2.34 min Scan# 207

Delta R.T. -0.06 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

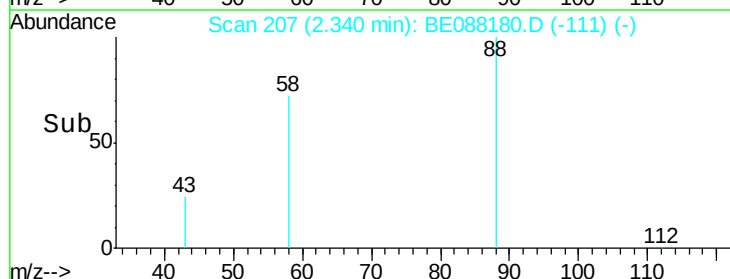
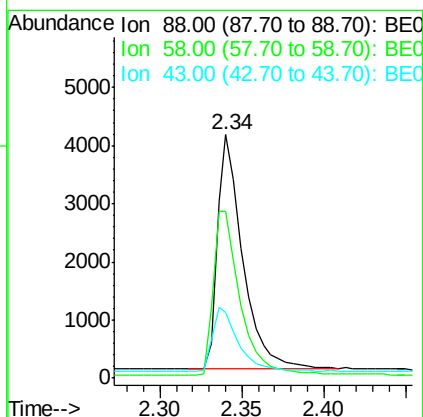
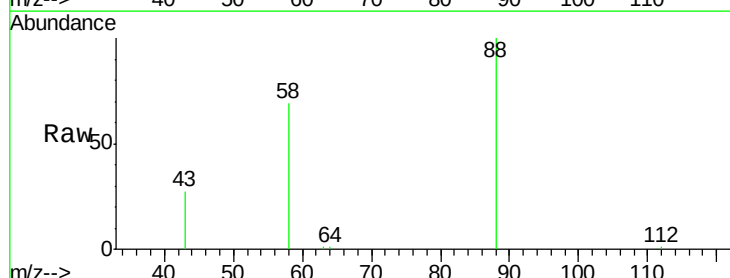
Tgt Ion: 88 Resp: 4345

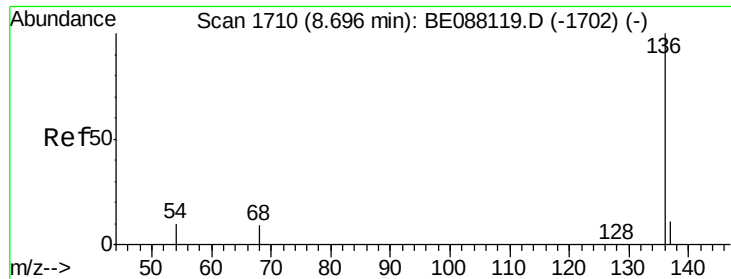
Ion Ratio Lower Upper

88 100

58 76.3 59.5 89.3

43 28.1 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: BE088180.D

Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

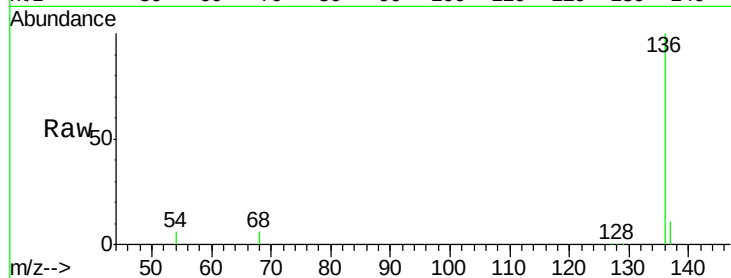
ClientSampleId :

SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	113496		
137	11.3	8.6	12.8	
54	5.6	7.7	11.5	

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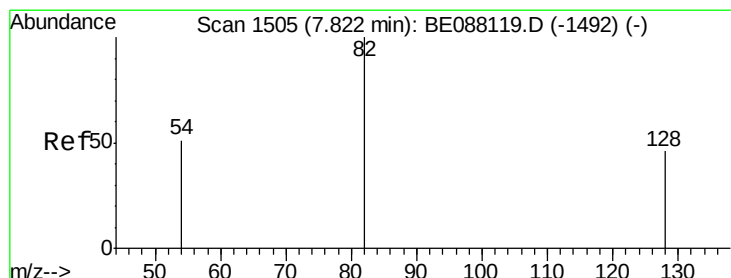
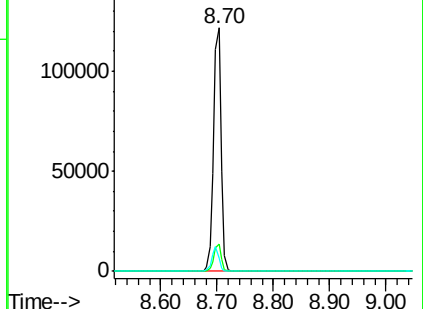
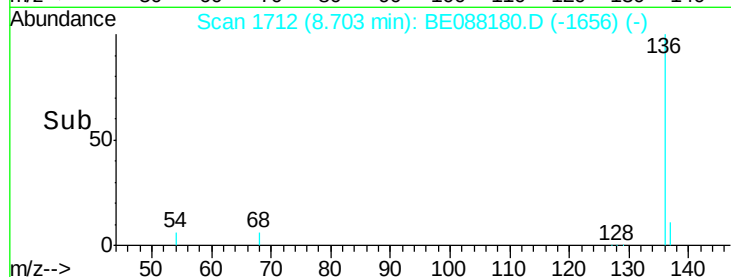


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#4

Nitrobenzene-d5

Concen: 1.03 ng

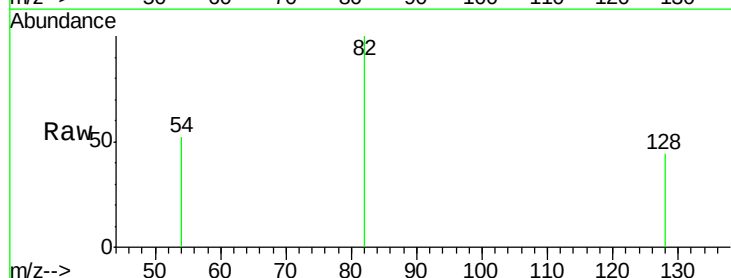
RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	8401		
128	44.4	37.1	55.7	
54	52.4	41.1	61.7	

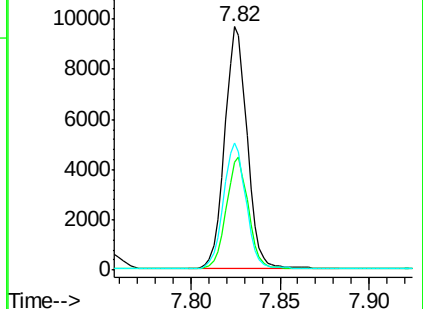
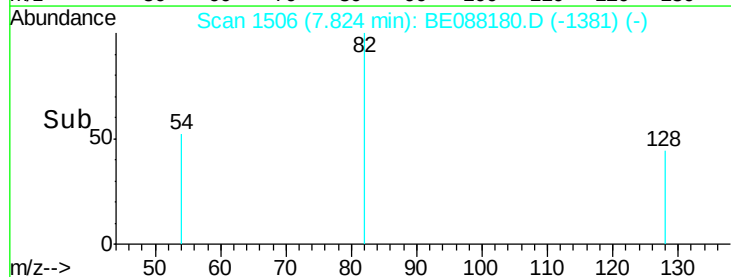


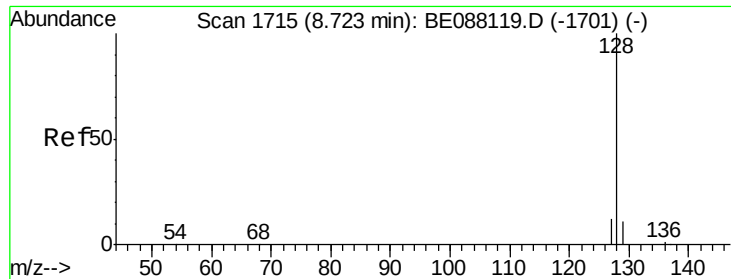
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->





#5

Naphthalene

Concen: 1.04 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

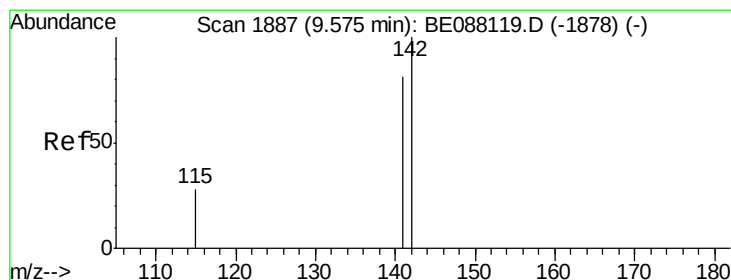
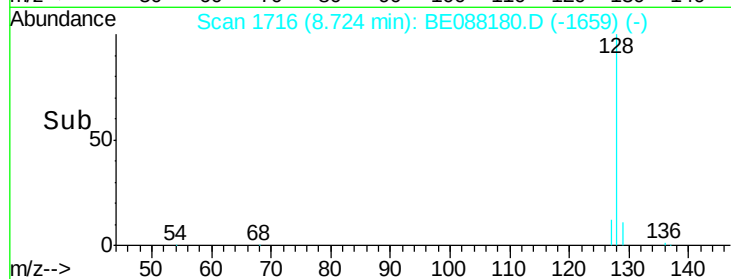
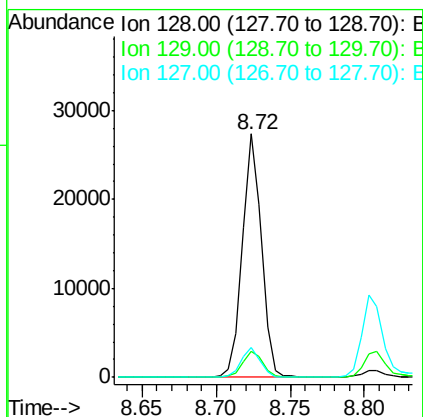
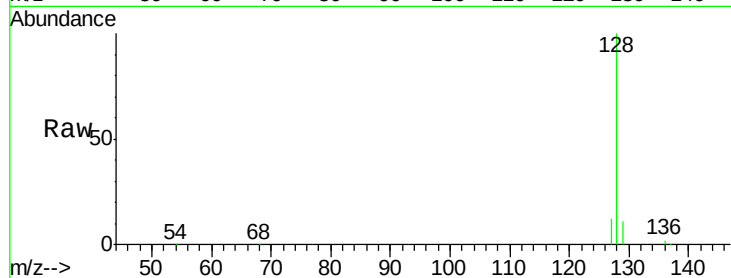
ClientSampleId :

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Tgt Ion:	128	Resp:	24234
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.9	13.3
127	12.2	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 1.05 ng

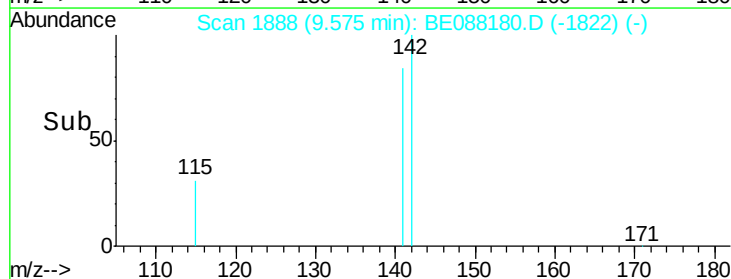
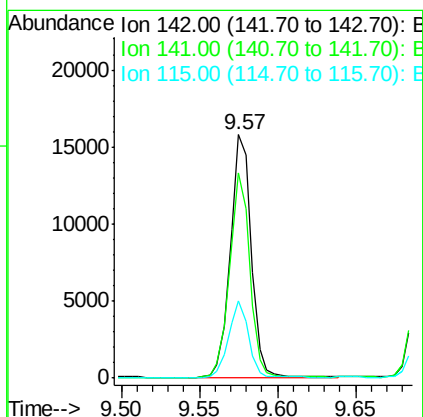
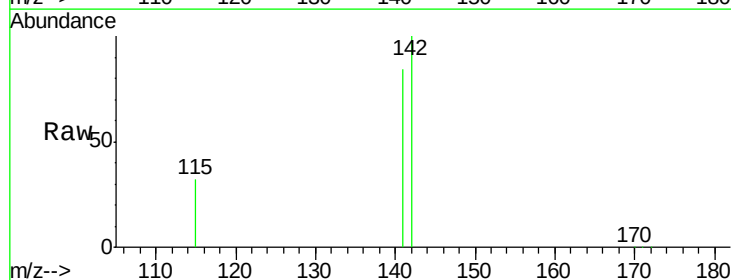
RT: 9.57 min Scan# 1888

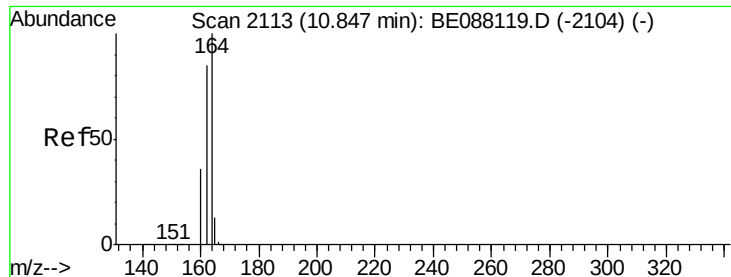
Delta R.T. -0.00 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

Tgt Ion:	142	Resp:	14684
Ion Ratio	Lower	Upper	
142	100		
141	84.2	64.6	97.0
115	31.6	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: BE088180.D

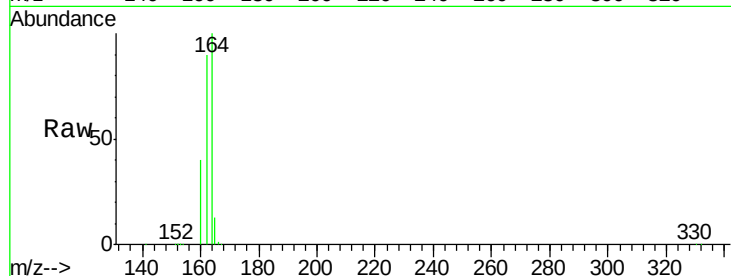
Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

ClientSampleId :

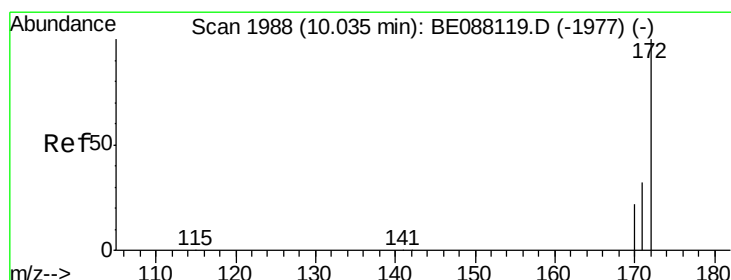
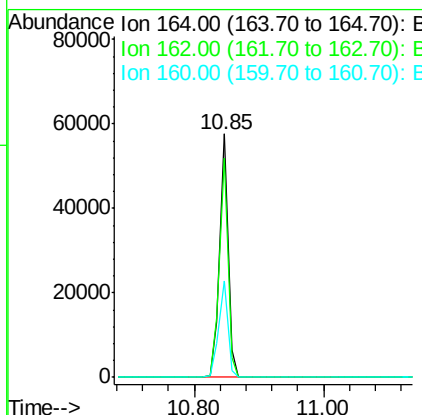
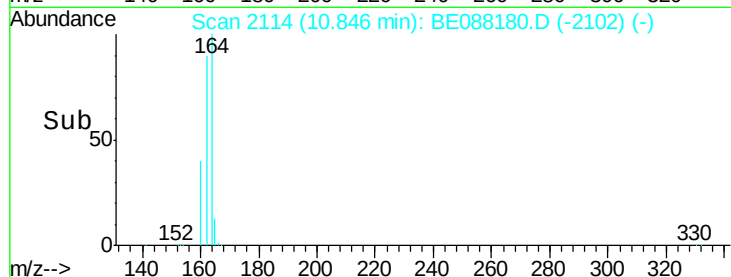
SSTDCCC001



Tgt Ion:	164	Resp:	51329
Ion Ratio	Lower	Upper	
164	100		
162	90.0	68.3	102.5
160	39.8	28.7	43.1

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#8

2-Fluorobiphenyl

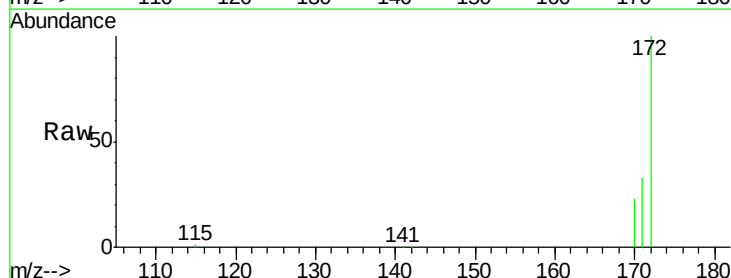
Concen: 1.06 ng

RT: 10.03 min Scan# 1989

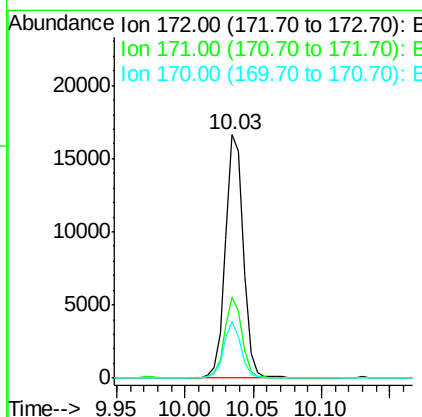
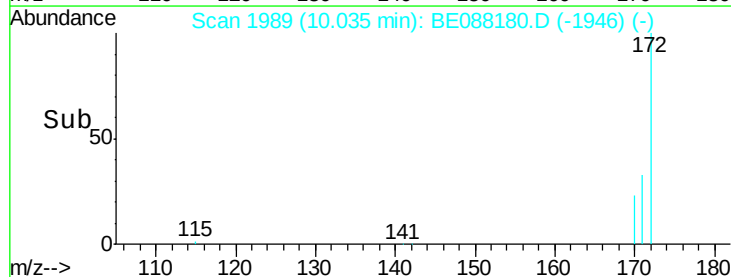
Delta R.T. -0.00 min

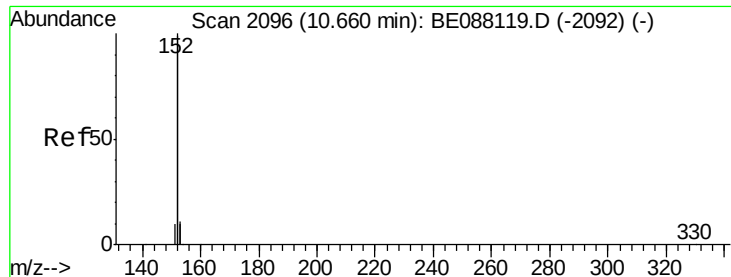
Lab File: BE088180.D

Acq: 22 Oct 2014 13:40



Tgt Ion:	172	Resp:	14961
Ion Ratio	Lower	Upper	
172	100		
171	33.1	25.4	38.2
170	23.1	17.4	26.2





#9

Acenaphthylene

Concen: 1.06 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088180.D

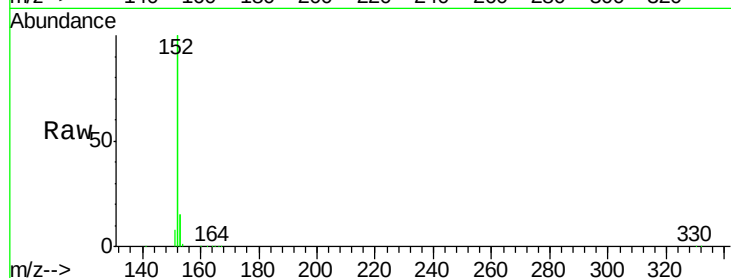
Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

ClientSampleId :

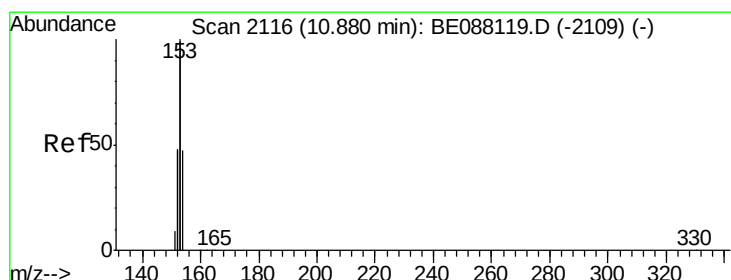
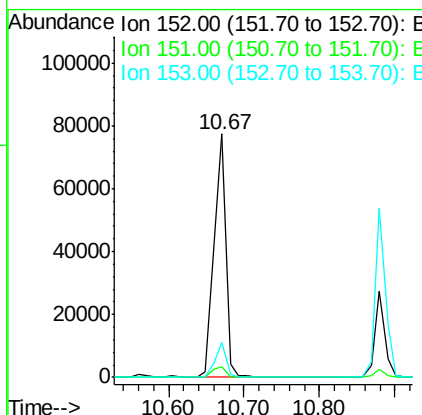
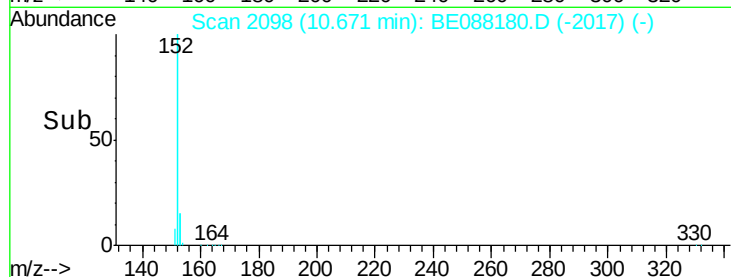
SSTDCCC001



Tgt Ion:	152	Resp:	83071
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: 1.02 ng

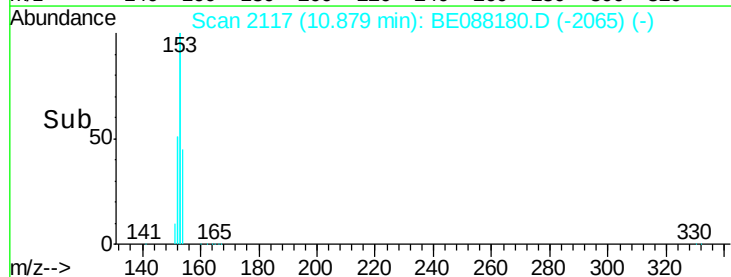
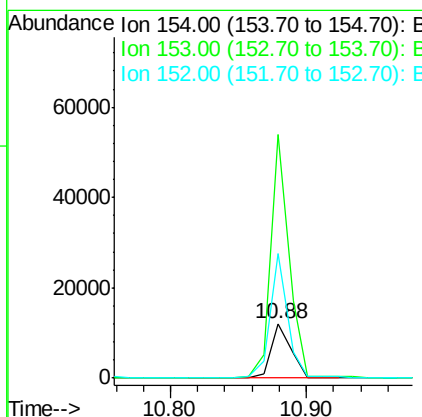
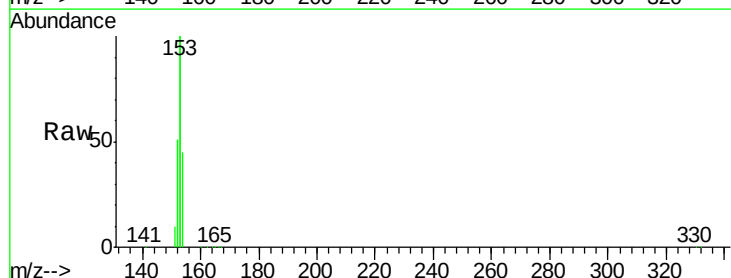
RT: 10.88 min Scan# 2117

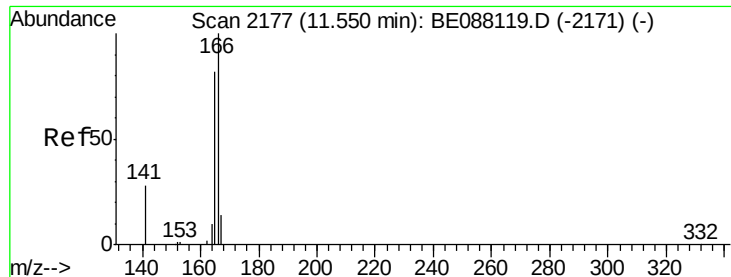
Delta R.T. -0.00 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

Tgt Ion:	154	Resp:	12333
Ion Ratio	Lower	Upper	
154	100		
153	407.1	327.8	491.6
152	196.6	157.6	236.4





#11

Fluorene

Concen: 1.02 ng

RT: 11.55 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

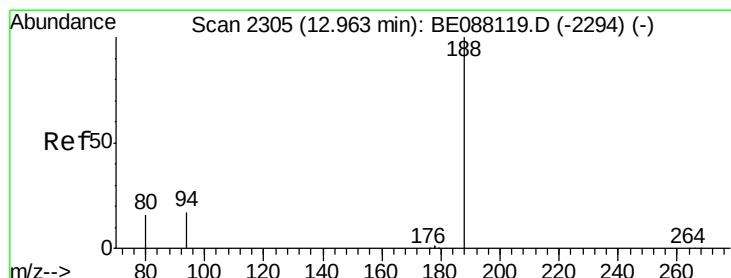
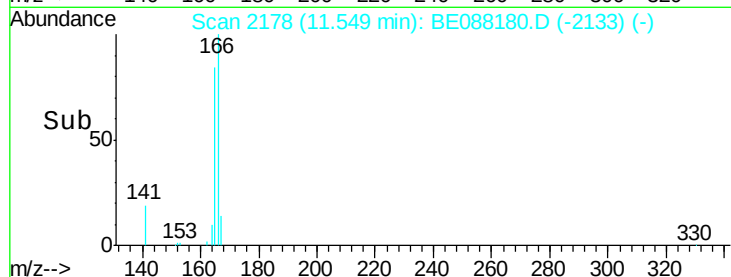
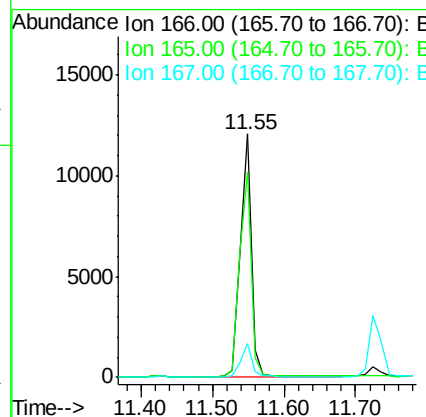
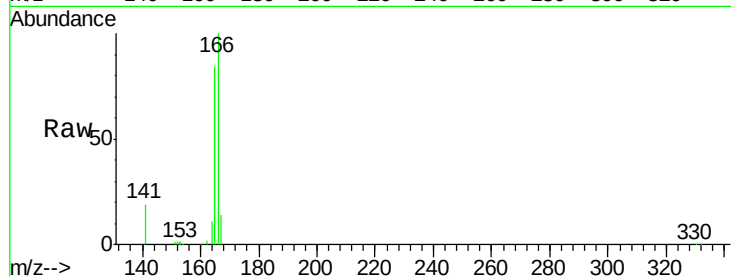
ClientSampleId :

SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.4	71.4	107.2
167	13.5	10.6	16.0

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#12

Phenanthrene-d10

Concen: 5.00 ng

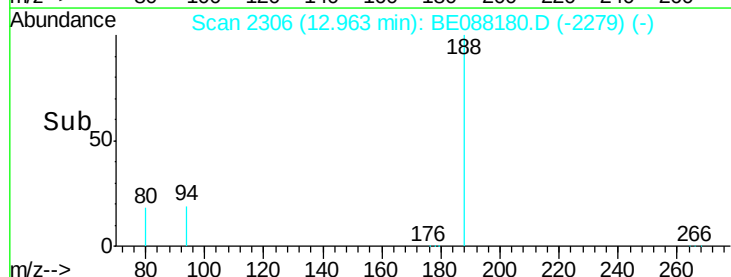
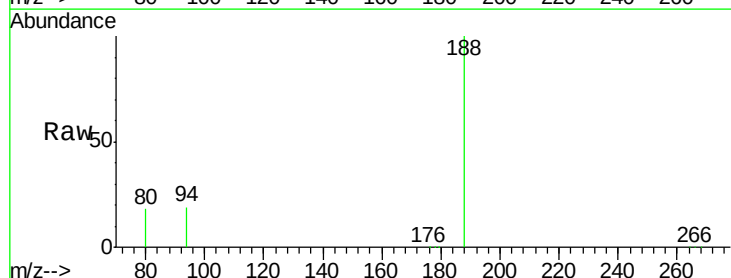
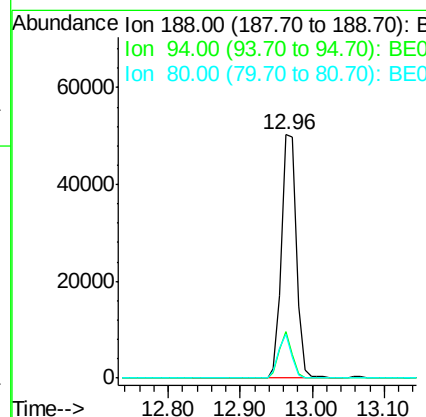
RT: 12.96 min Scan# 2306

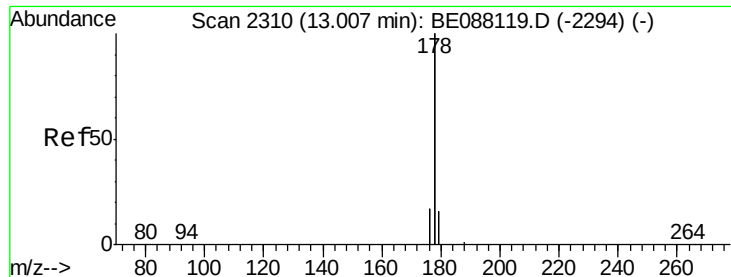
Delta R.T. -0.00 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	19.0	13.9	20.9
80	18.3	12.9	19.3





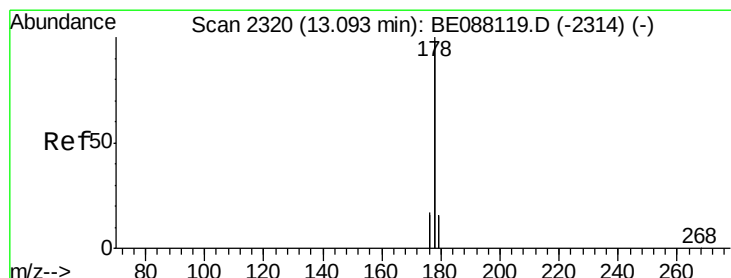
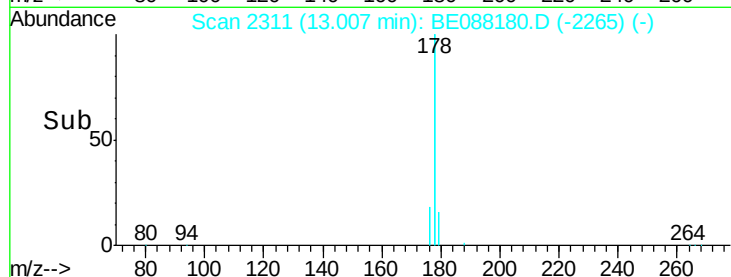
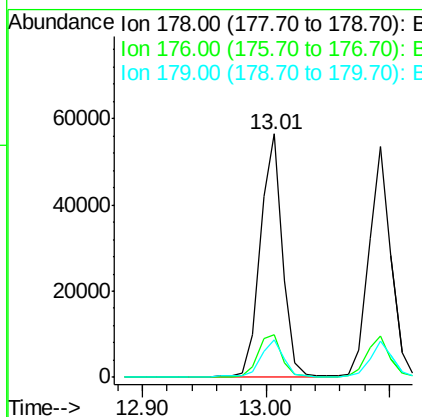
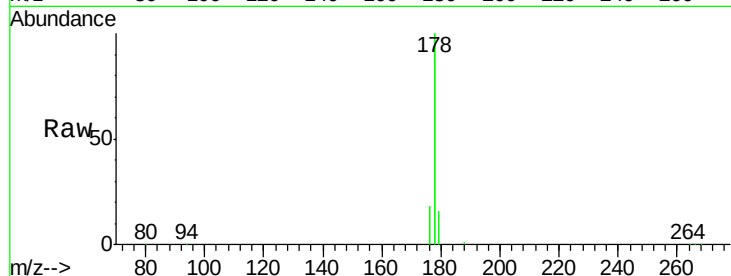
#13
Phenanthrene
Concen: 0.93 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	12.5	18.7
179	15.9	13.5	20.3

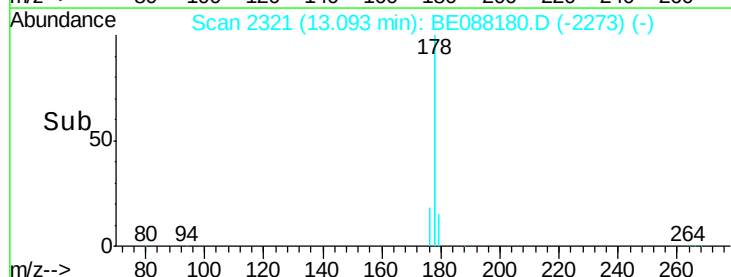
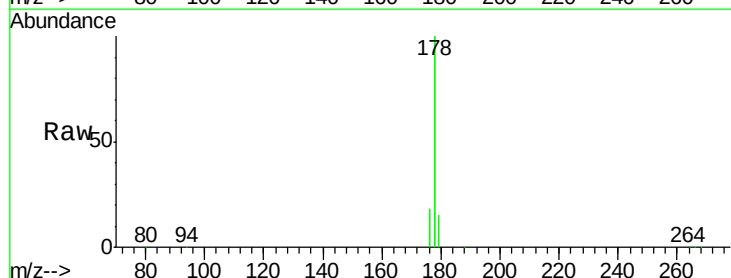
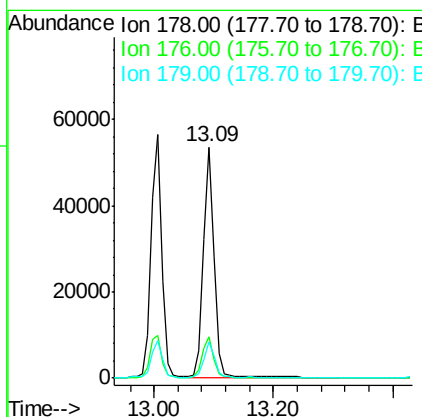
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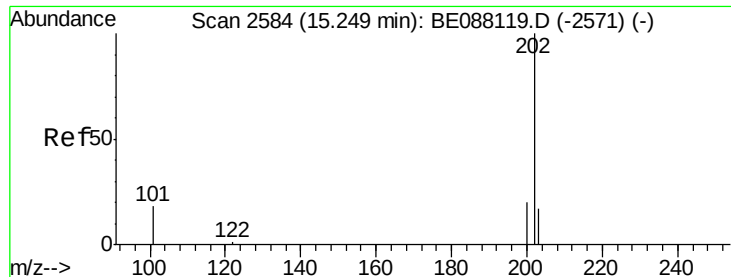
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#14
Anthracene
Concen: 1.00 ng
RT: 13.09 min Scan# 2321
Delta R.T. -0.00 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.0	12.5	18.7





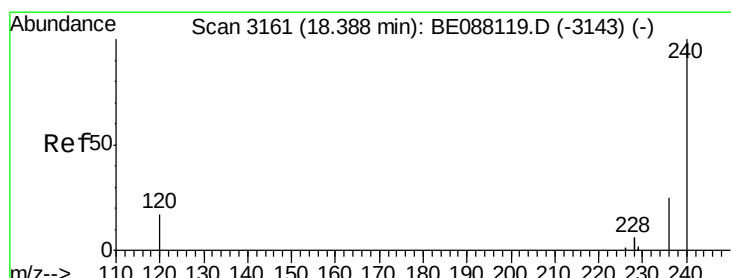
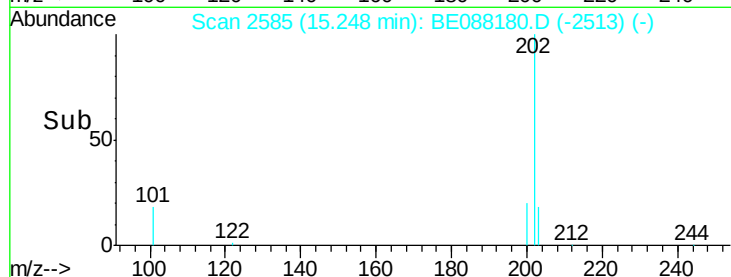
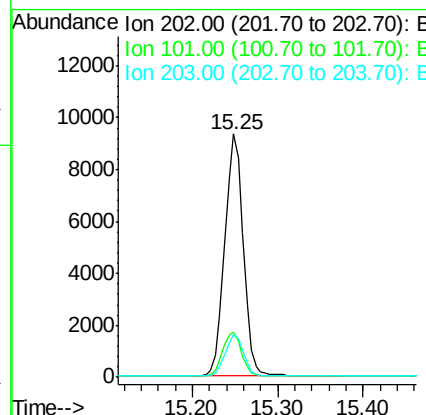
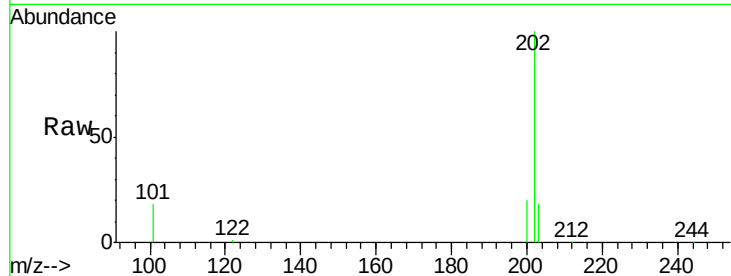
#15
 Fluoranthene
 Concen: 0.86 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088180.D
 Acq: 22 Oct 2014 13:40

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	14.8	22.2
203	17.0	13.5	20.3

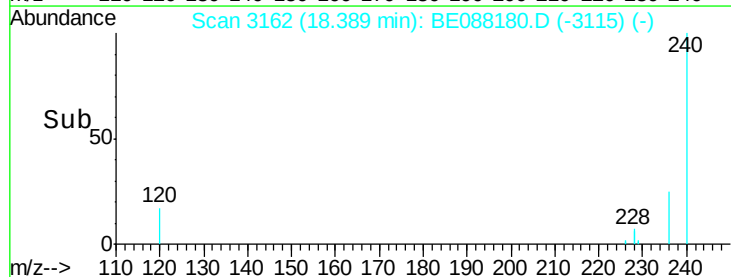
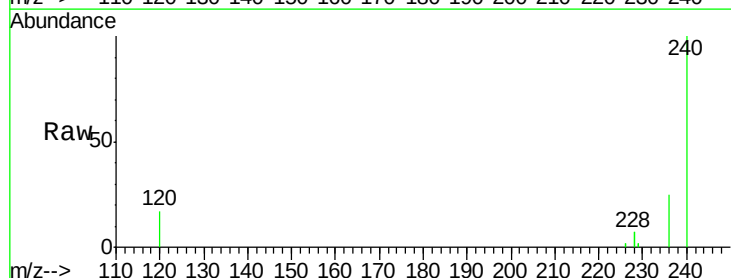
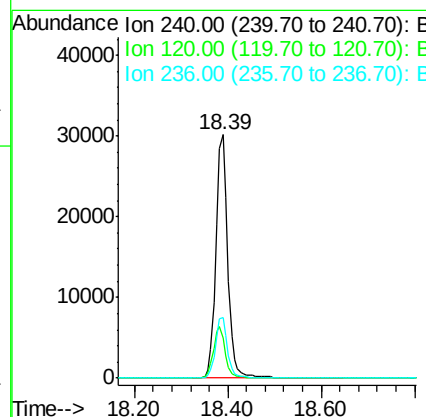
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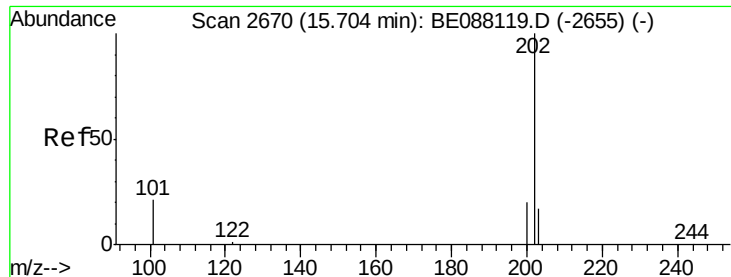
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.39 min Scan# 3162
 Delta R.T. 0.00 min
 Lab File: BE088180.D
 Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.7	13.9	20.9
236	24.8	19.9	29.9





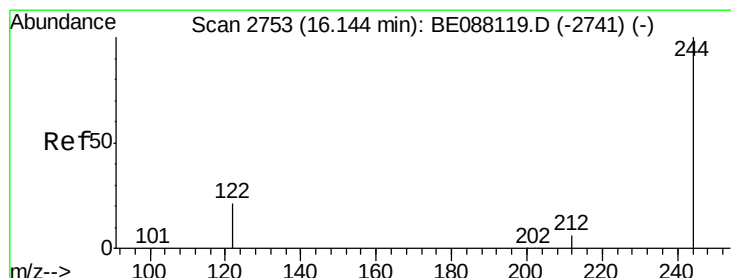
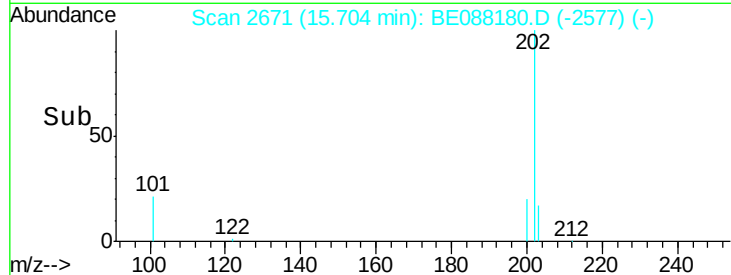
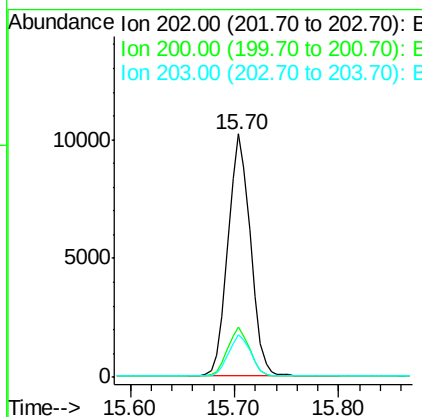
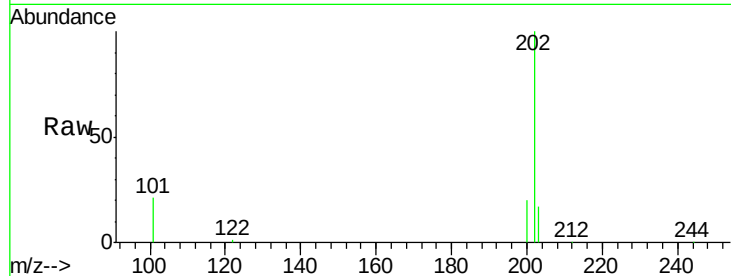
#17
Pyrene
Concen: 1.06 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	16.1	24.1
203	17.3	13.9	20.9

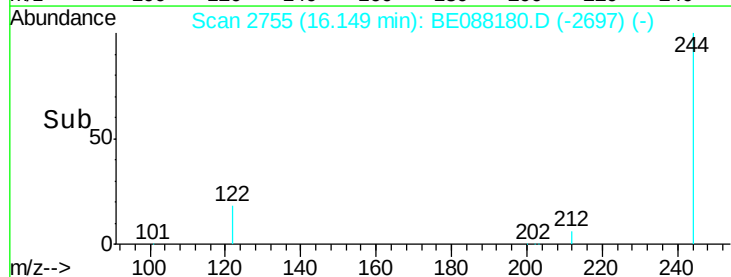
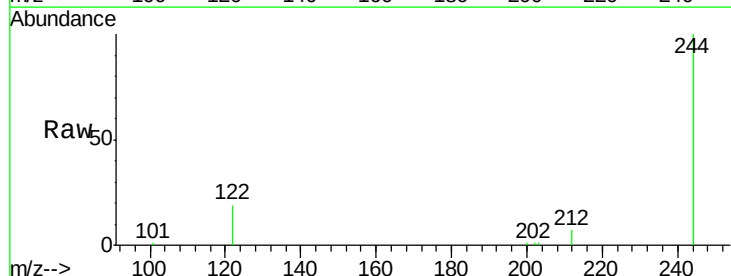
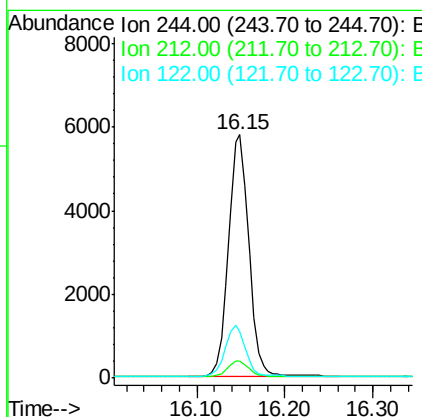
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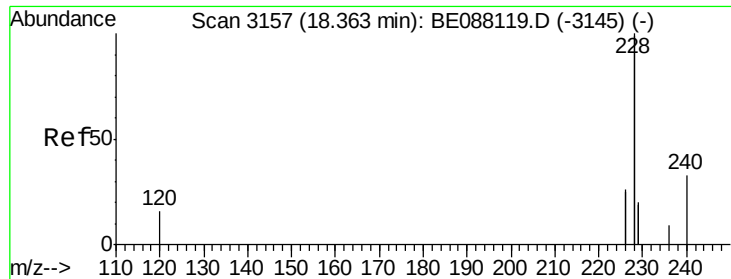
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#18
Terphenyl-d14
Concen: 1.08 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.0	5.4	8.0
122	18.8	17.5	26.3





#19

Benzo(a)anthracene

Concen: 0.95 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088180.D

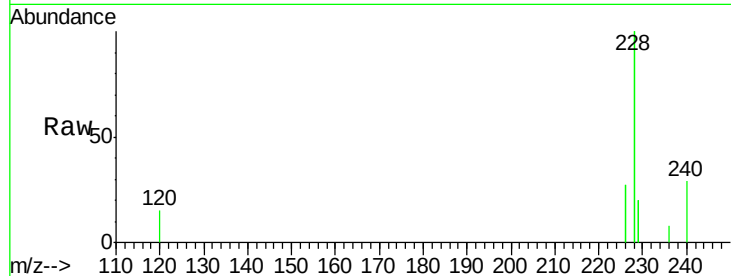
Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

ClientSampleId :

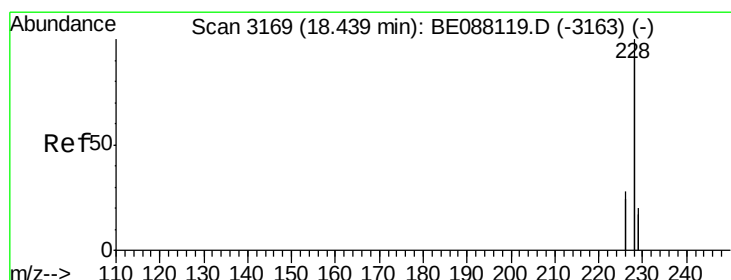
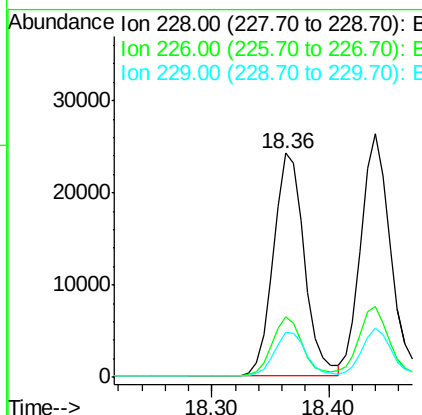
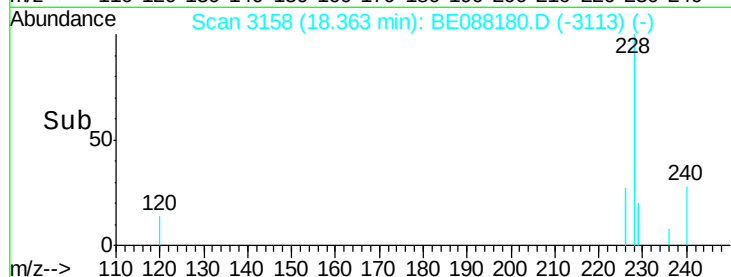
SSTDCCC001



Tgt Ion:	228	Resp:	44506
Ion Ratio	Lower	Upper	
228	100		
226	27.0	20.8	31.2
229	19.9	15.6	23.4

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#20

Chrysene

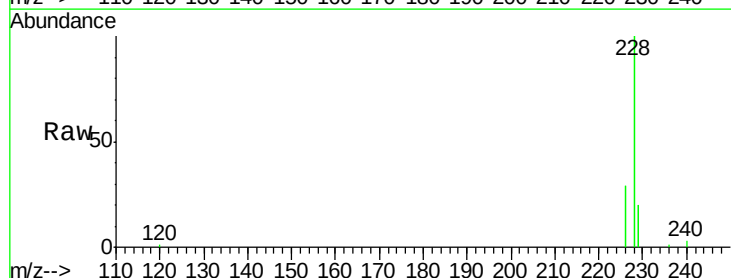
Concen: 1.02 ng

RT: 18.44 min Scan# 3170

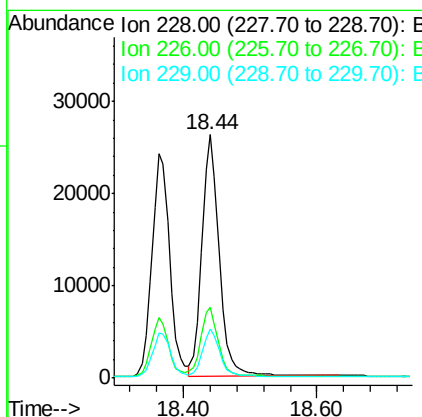
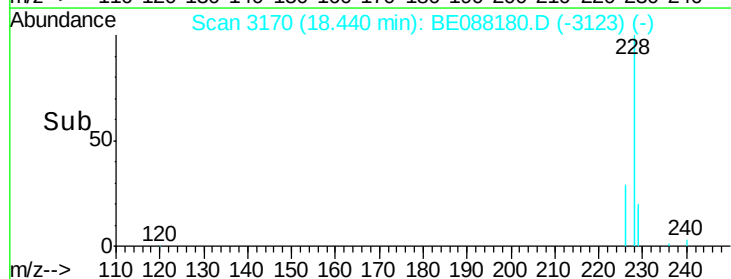
Delta R.T. 0.00 min

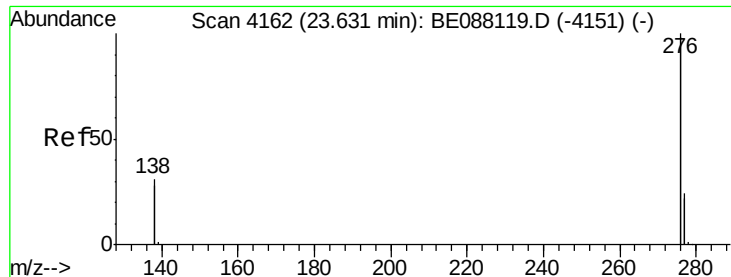
Lab File: BE088180.D

Acq: 22 Oct 2014 13:40



Tgt Ion:	228	Resp:	46992
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.7	34.1
229	20.1	15.8	23.6





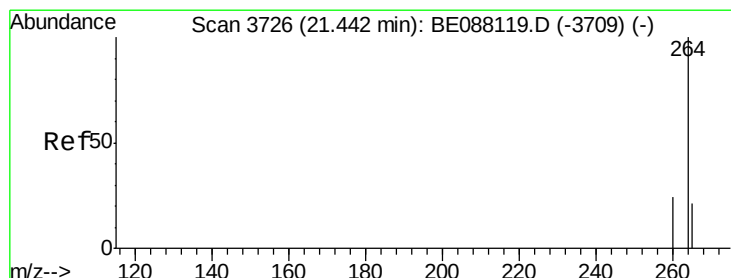
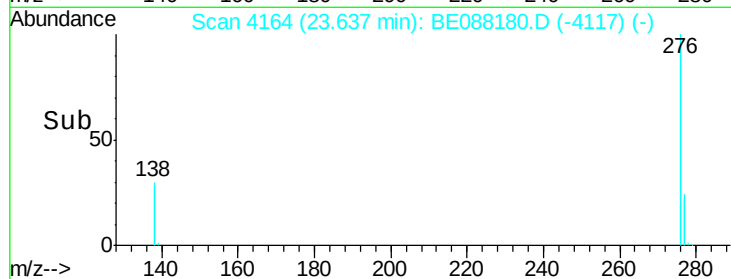
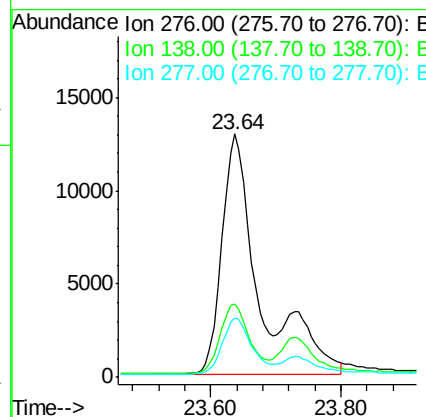
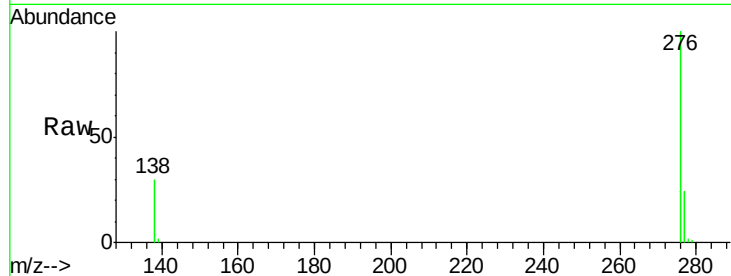
#21
Indeno(1,2,3-cd)pyrene
Concen: 1.02 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.5	27.7
277	18.0	14.6	21.8

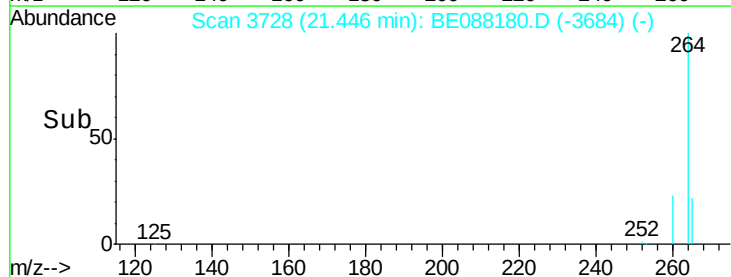
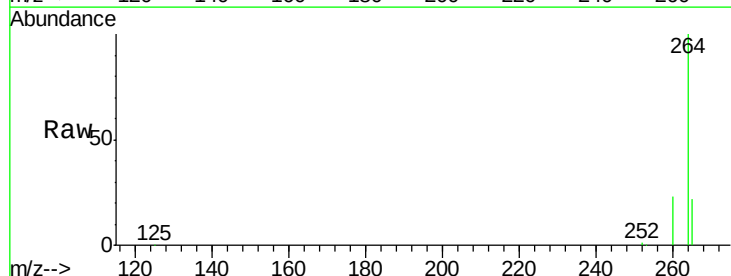
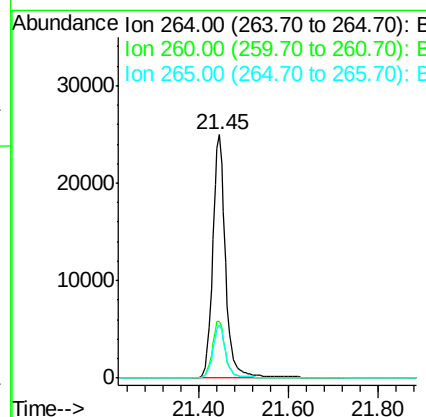
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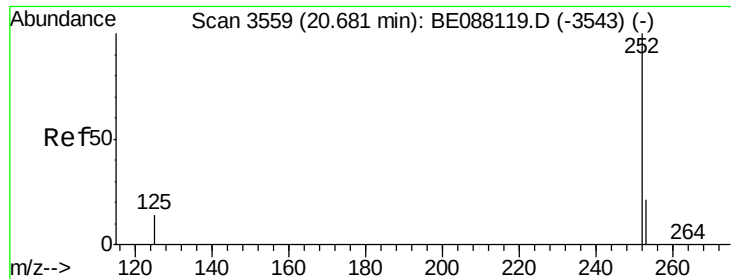
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3728
Delta R.T. 0.00 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.7	17.2	25.8





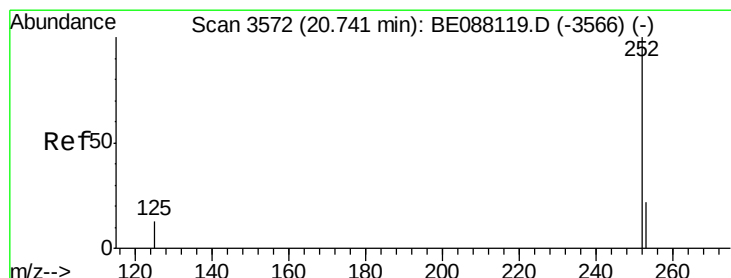
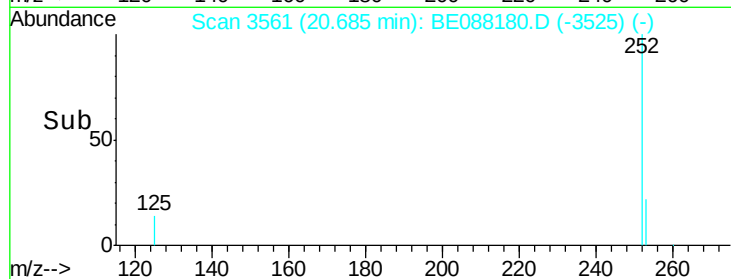
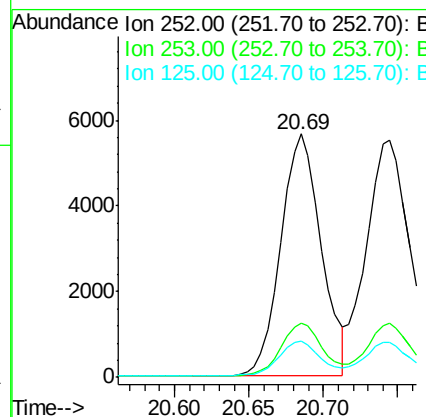
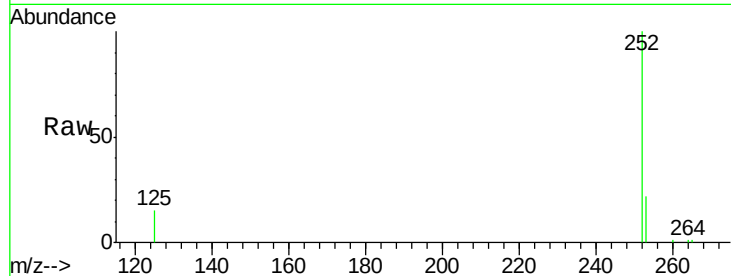
#23
Benzo(b)fluoranthene
Concen: 0.91 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.00 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	14.8	11.8	17.8

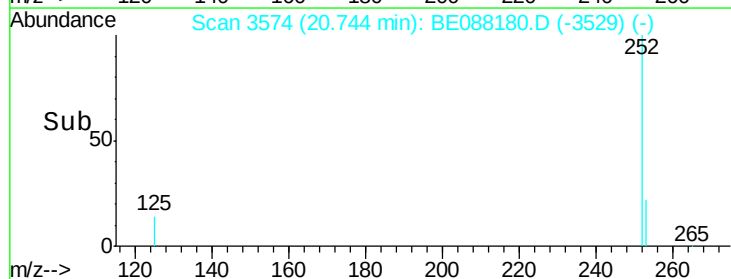
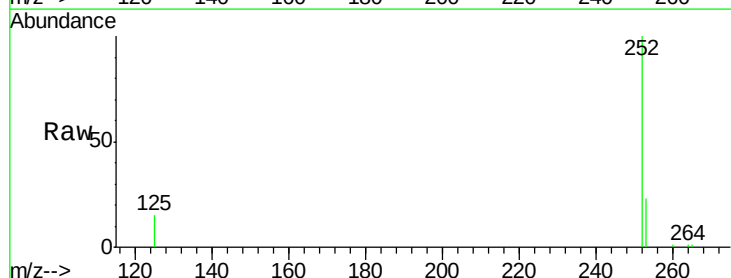
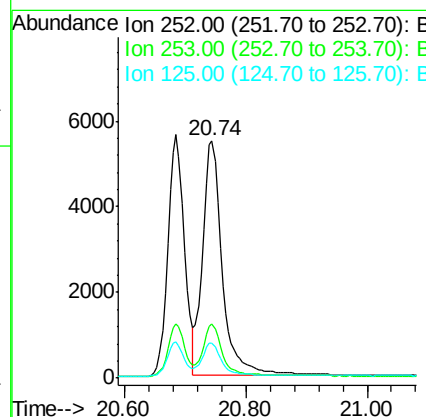
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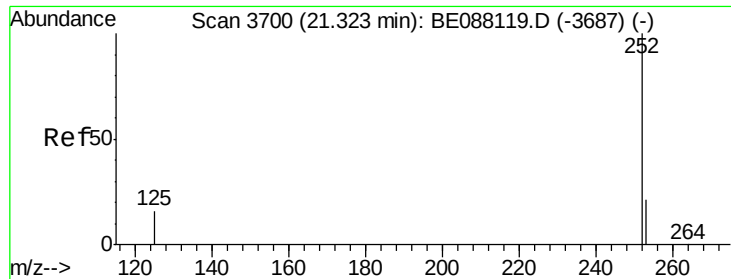
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#24
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 20.74 min Scan# 3574
Delta R.T. 0.00 min
Lab File: BE088180.D
Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	14.7	11.5	17.3





#25

Benzo(a)pyrene

Concen: 0.96 ng

RT: 21.33 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BE088180.D

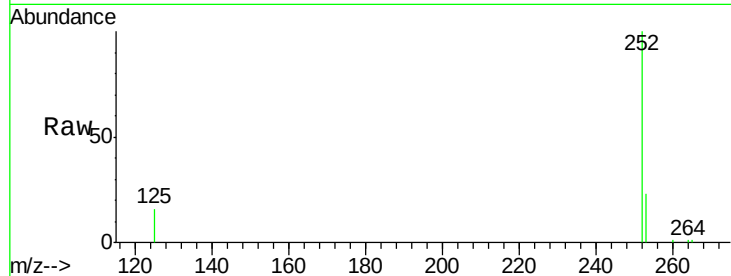
Acq: 22 Oct 2014 13:40

Instrument :

BNA_E

ClientSampleId :

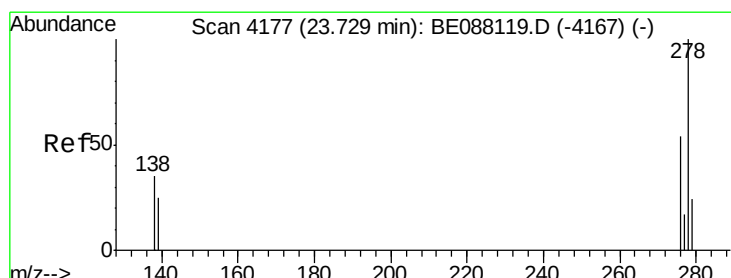
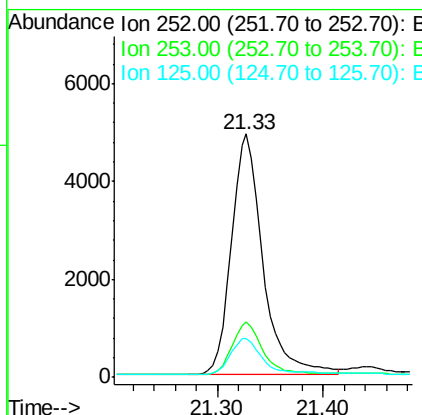
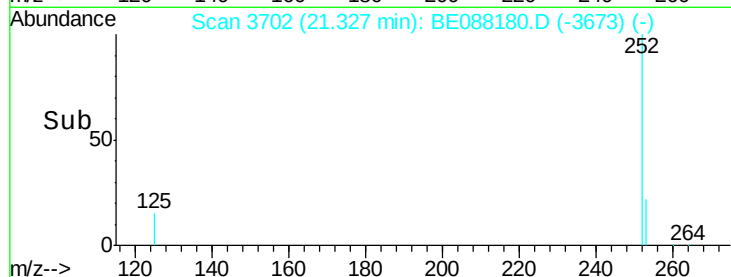
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.9	13.0	19.6

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#26

Dibenzo(a,h)anthracene

Concen: 0.99 ng

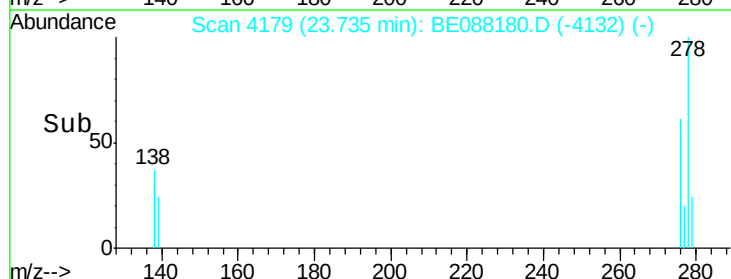
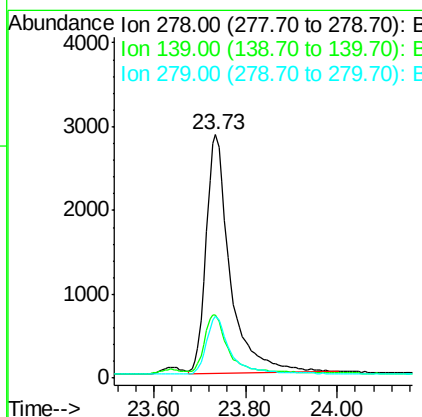
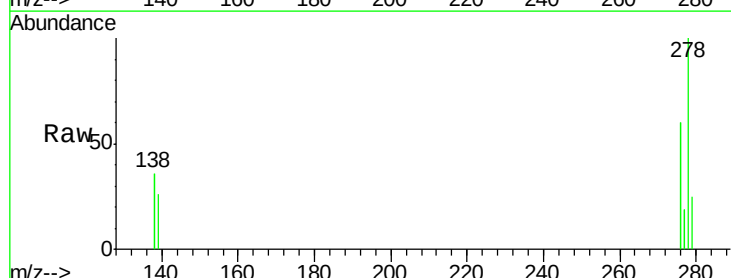
RT: 23.73 min Scan# 4179

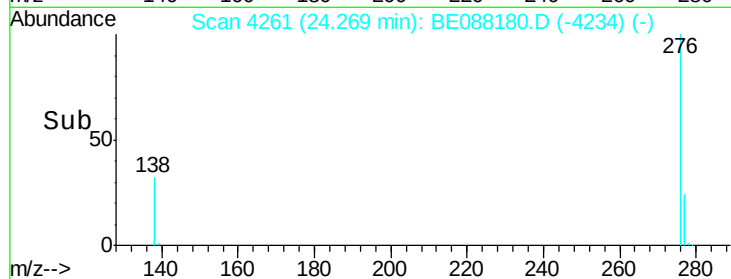
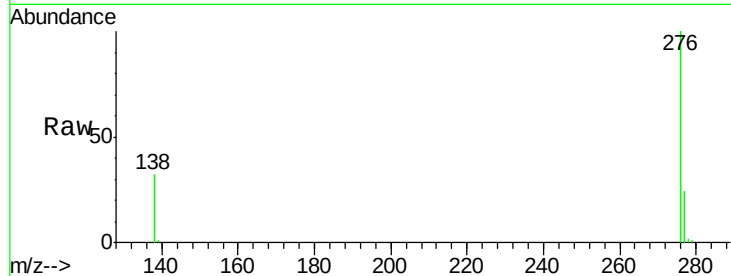
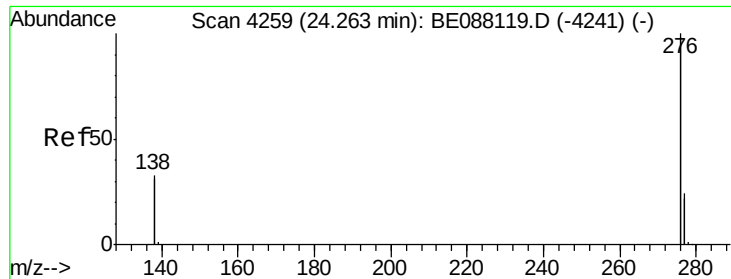
Delta R.T. 0.01 min

Lab File: BE088180.D

Acq: 22 Oct 2014 13:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.8	20.9	31.3
279	25.2	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 1.04 ng
 RT: 24.27 min Scan# 4261
 Delta R.T. 0.01 min
 Lab File: BE088180.D
 Acq: 22 Oct 2014 13:40

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.4	19.2	28.8
138	32.4	26.6	40.0

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