

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088198.D
 Acq On : 23 Oct 2014 00:24
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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Quant Time: Oct 27 04:56:57 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	32771	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	129787	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	64969	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	93716	5.00	ng	0.00
16) Chrysene-d12	18.39	240	65080	5.00	ng	0.00
22) Perylene-d12	21.45	264	61812	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	19031	2.03	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	62957	3.51	ng	0.00
18) Terphenyl-d14	16.15	244	48146	4.60	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.33	88	4638	0.98	ng	98
5) Naphthalene	8.72	128	26122	0.98	ng	99
6) 2-Methylnaphthalene	9.58	142	15930	0.99	ng	96
9) Acenaphthylene	10.67	152	89436	0.90	ng	100
10) Acenaphthene	10.88	154	13581	0.89	ng	98
11) Fluorene	11.55	166	14374	0.89	ng	99
13) Phenanthrene	13.01	178	82622m	1.02	ng	
14) Anthracene	13.09	178	76514	1.05	ng	99
15) Fluoranthene	15.25	202	17678	0.99	ng	100
17) Pyrene	15.70	202	17558	0.99	ng	100
19) Benzo(a)anthracene	18.36	228	50687	0.88	ng	99
20) Chrysene	18.44	228	52317	0.92	ng	100
21) Indeno(1,2,3-cd)pyrene	23.64	276	58345m	0.93	ng	
23) Benzo(b)fluoranthene	20.69	252	12784	0.87	ng	100
24) Benzo(k)fluoranthene	20.74	252	13551	0.86	ng	99
25) Benzo(a)pyrene	21.33	252	11840	0.87	ng	99
26) Dibenzo(a,h)anthracene	23.73	278	11009	0.83	ng	99
27) Benzo(g,h,i)perylene	24.27	276	53628	0.91	ng	100

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

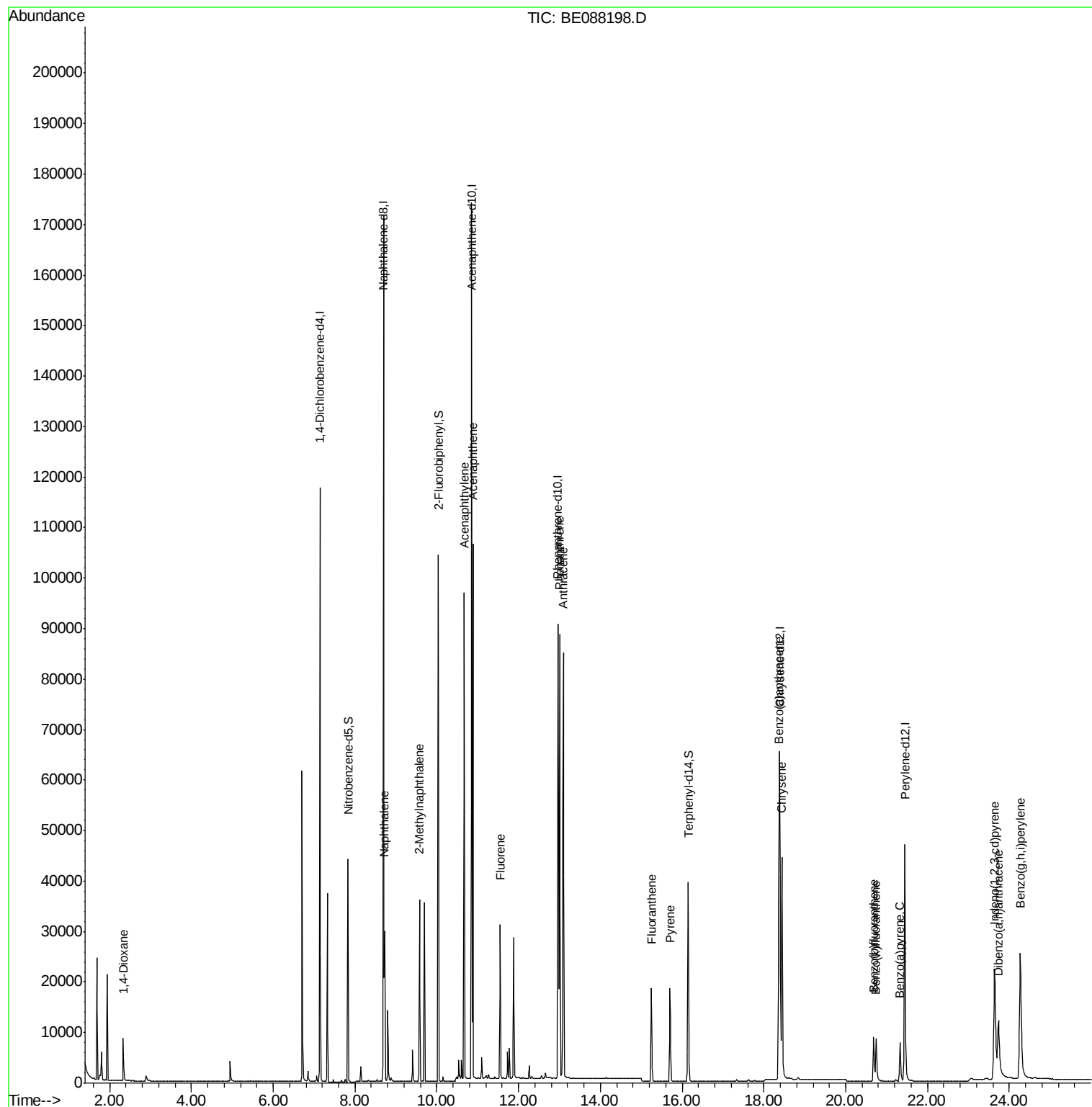
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
Data File : BE088198.D
Acq On : 23 Oct 2014 00:24
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

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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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088198.D

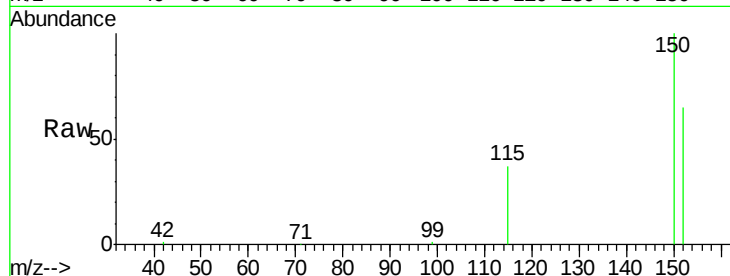
Acq: 23 Oct 2014 00:24

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC



Tgt Ion: 152 Resp: 32771

Ion Ratio Lower Upper

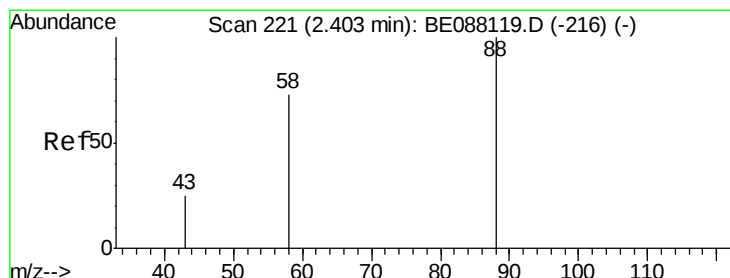
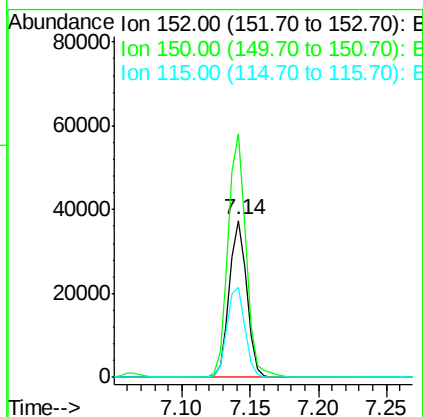
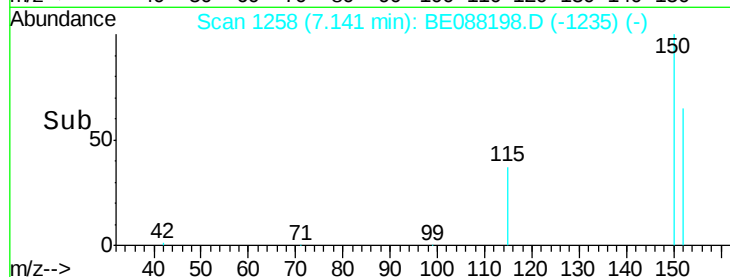
152 100

150 154.9 129.2 193.8

115 57.1 49.3 73.9

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#2

1,4-Dioxane

Concen: 0.98 ng

RT: 2.33 min Scan# 206

Delta R.T. -0.07 min

Lab File: BE088198.D

Acq: 23 Oct 2014 00:24

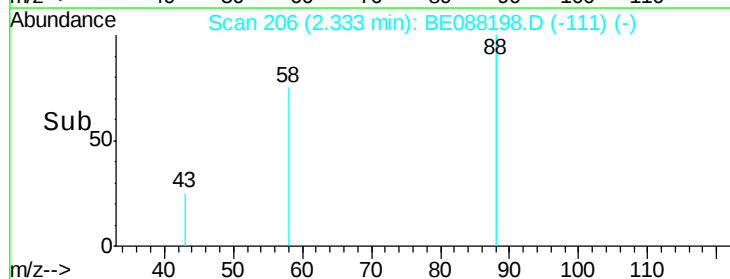
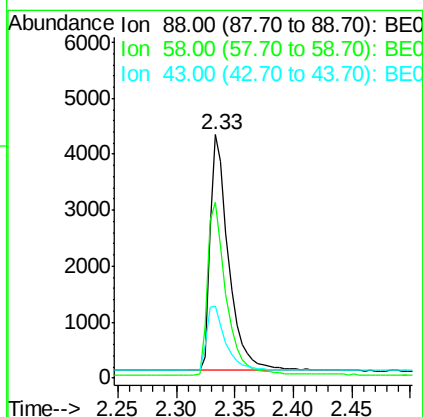
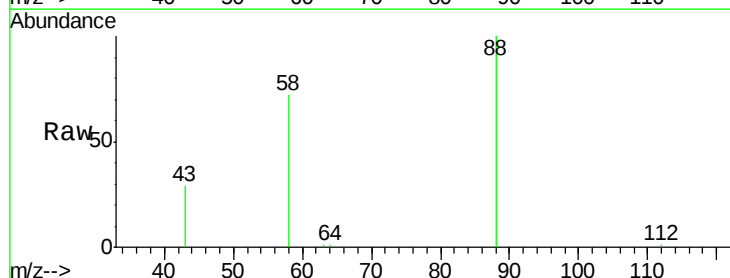
Tgt Ion: 88 Resp: 4638

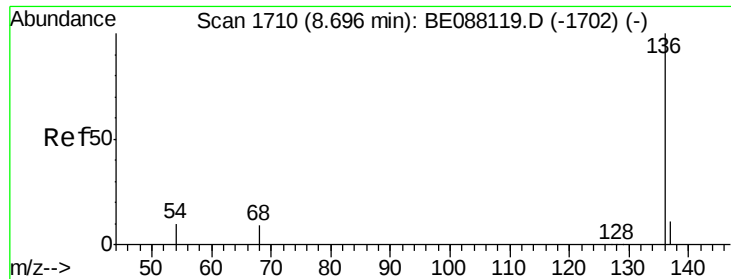
Ion Ratio Lower Upper

88 100

58 75.8 59.5 89.3

43 28.7 21.2 31.8





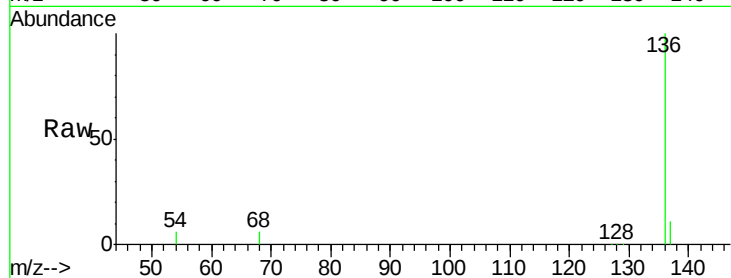
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

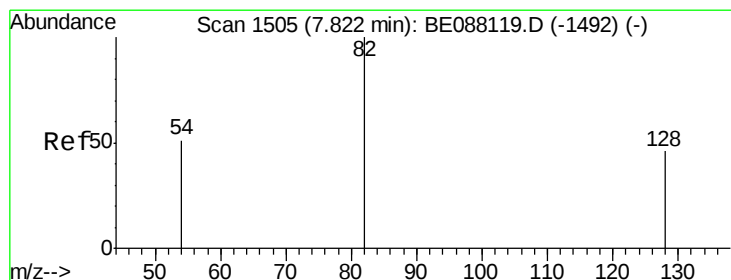
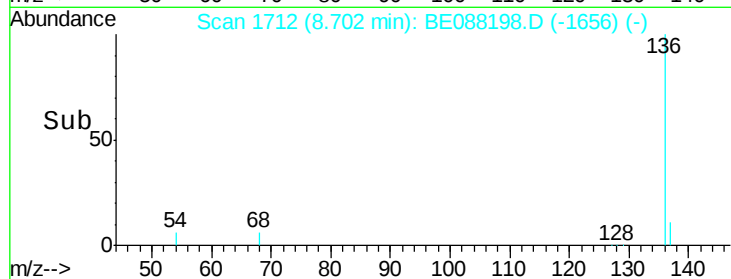
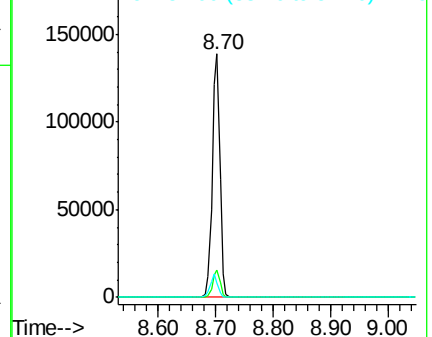
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	129787		
137	11.2	8.6	12.8	
54	6.2	7.7	11.5	

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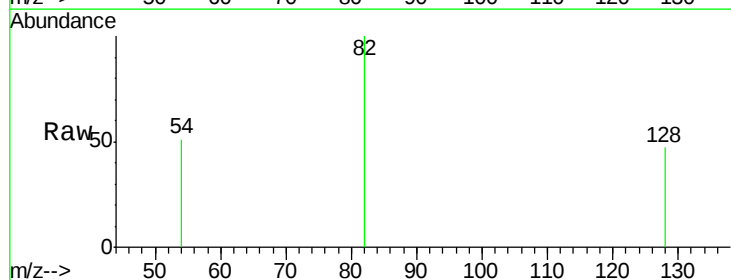


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

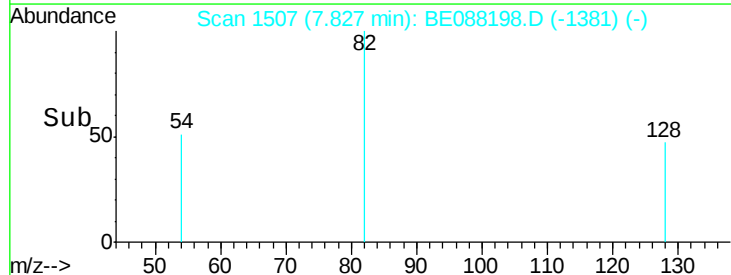
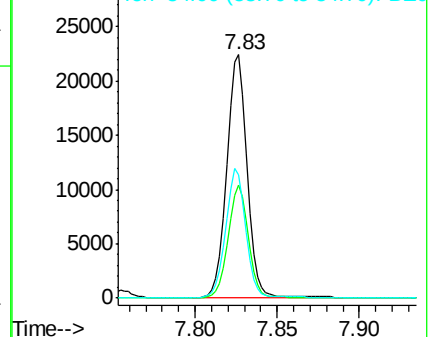


#4
Nitrobenzene-d5
Concen: 2.03 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	19031		
128	46.7	37.1	55.7	
54	50.7	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: 0.98 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088198.D

Acq: 23 Oct 2014 00:24

Instrument :

BNA_E

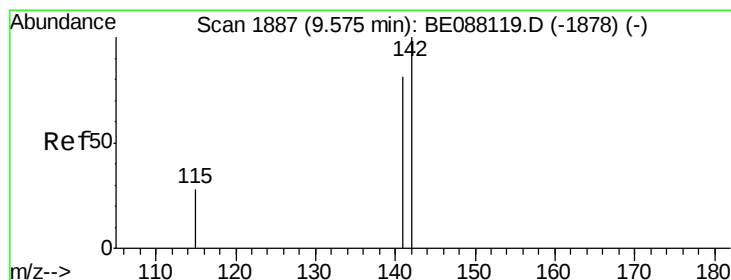
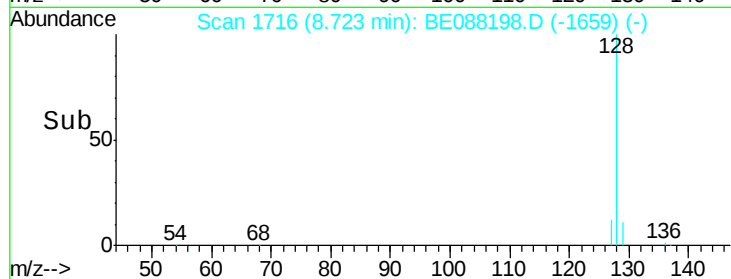
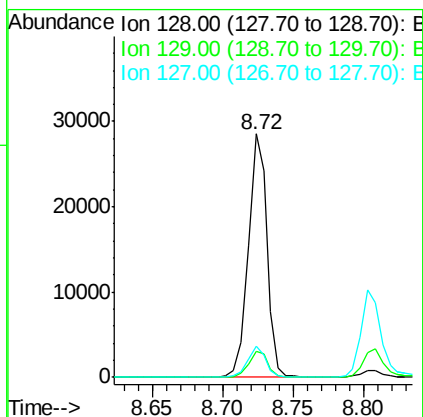
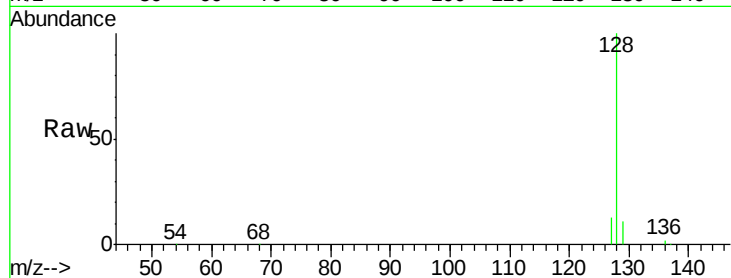
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	128	Resp:	26122
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	12.6	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 0.99 ng

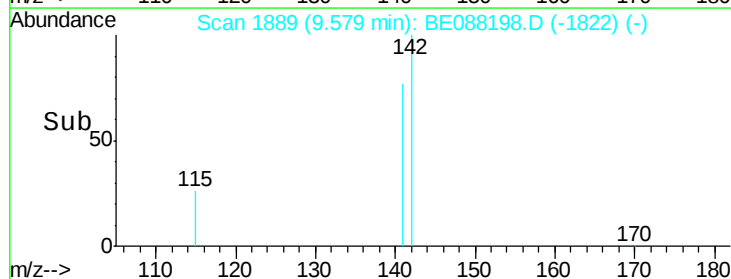
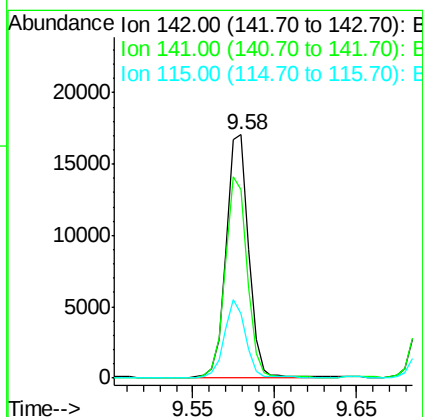
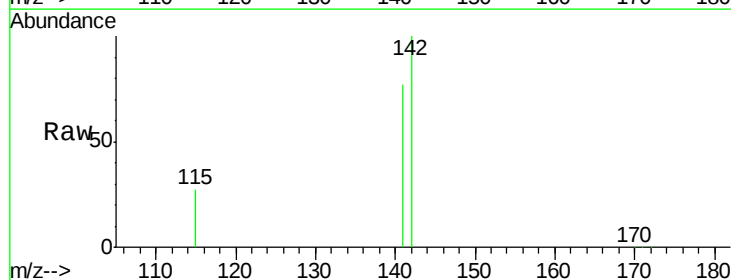
RT: 9.58 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BE088198.D

Acq: 23 Oct 2014 00:24

Tgt Ion:	142	Resp:	15930
Ion Ratio	Lower	Upper	
142	100		
141	77.4	64.6	97.0
115	26.7	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: BE088198.D

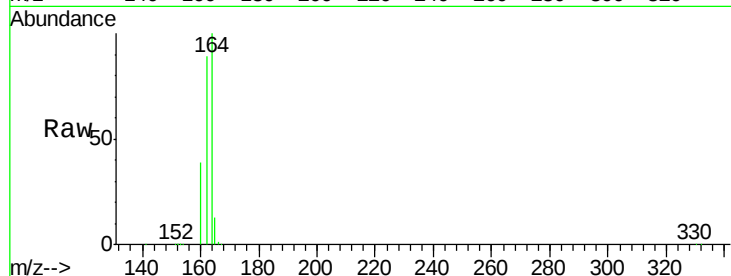
Acq: 23 Oct 2014 00:24

Instrument :

BNA_E

ClientSampleId :

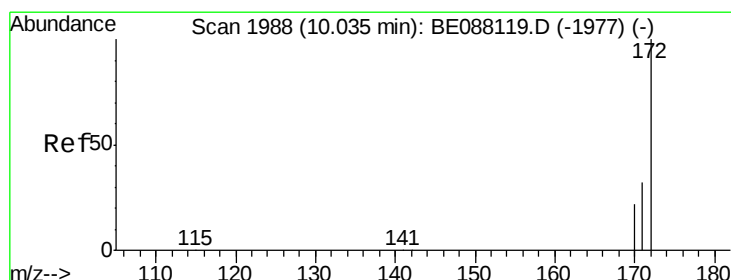
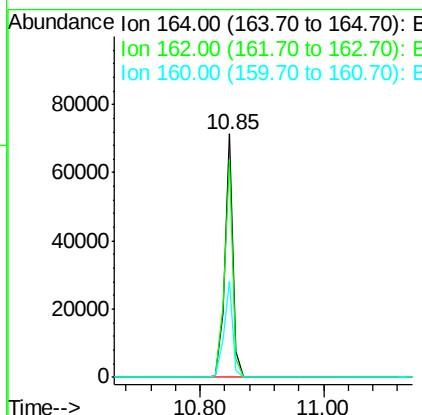
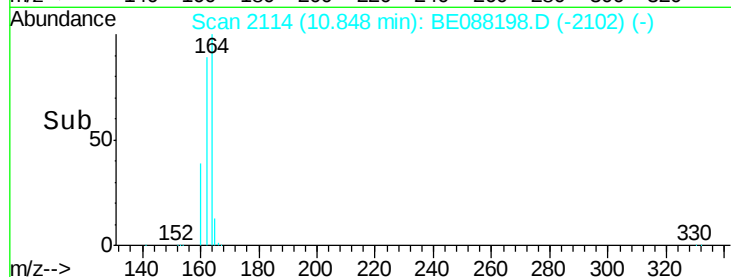
SSTDCCC001EC



Tgt Ion:	164	Resp:	64969
Ion	Ratio	Lower	Upper
164	100		
162	89.5	68.3	102.5
160	39.4	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 3.51 ng

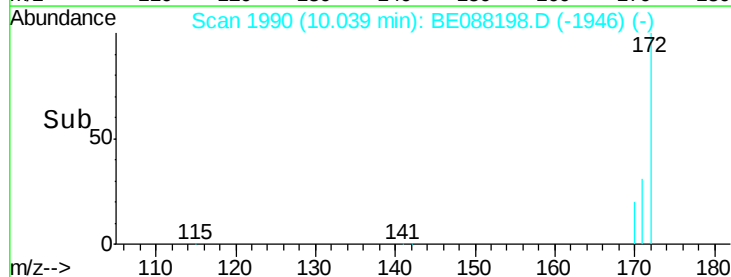
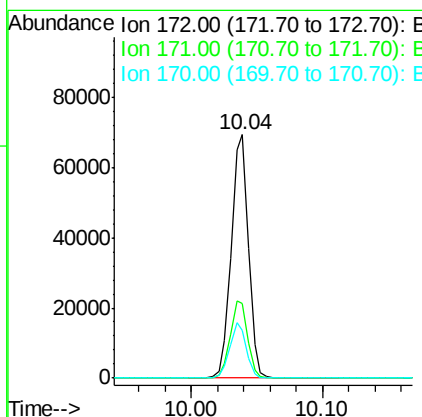
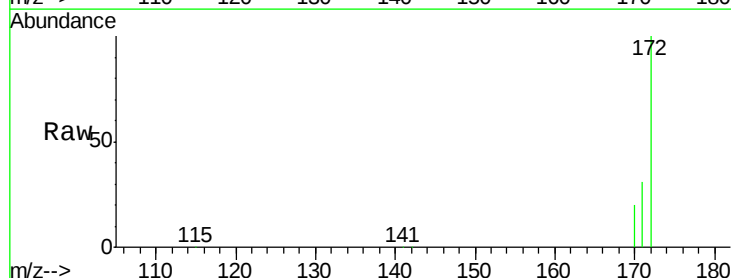
RT: 10.04 min Scan# 1990

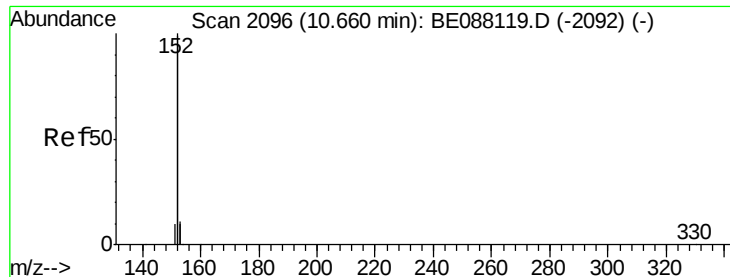
Delta R.T. 0.00 min

Lab File: BE088198.D

Acq: 23 Oct 2014 00:24

Tgt Ion:	172	Resp:	62957
Ion	Ratio	Lower	Upper
172	100		
171	30.6	25.4	38.2
170	19.6	17.4	26.2





#9

Acenaphthylene

Concen: 0.90 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088198.D

Acq: 23 Oct 2014 00:24

Instrument :

BNA_E

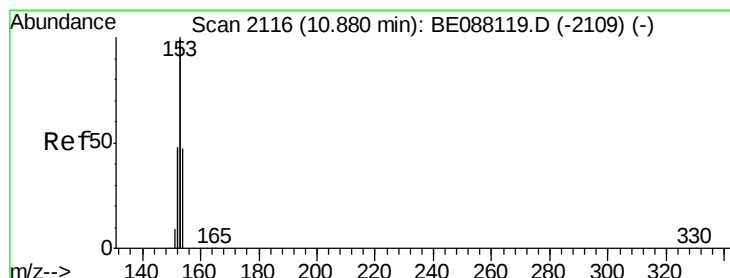
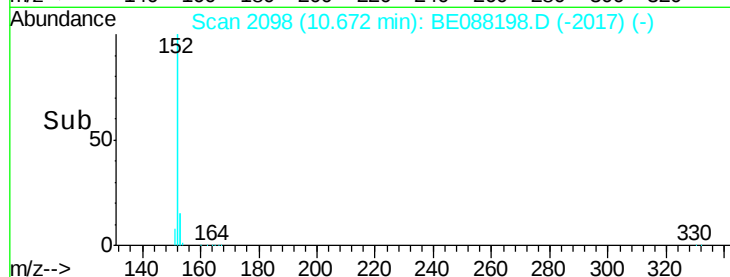
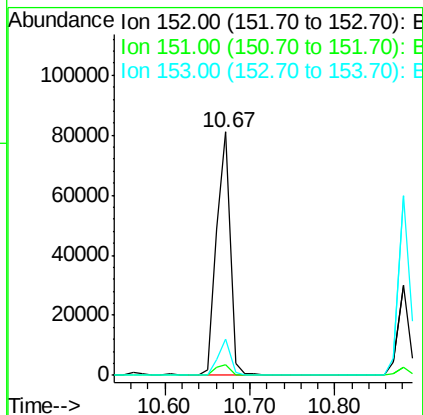
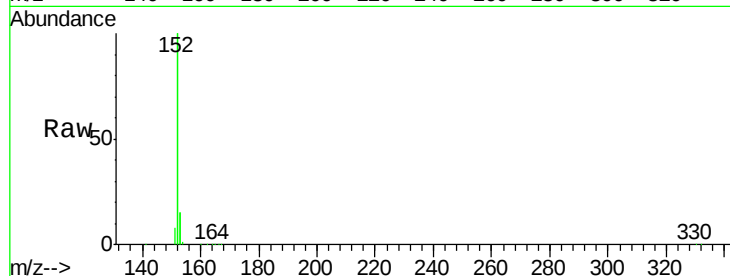
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	152	Resp:	89436
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: 0.89 ng

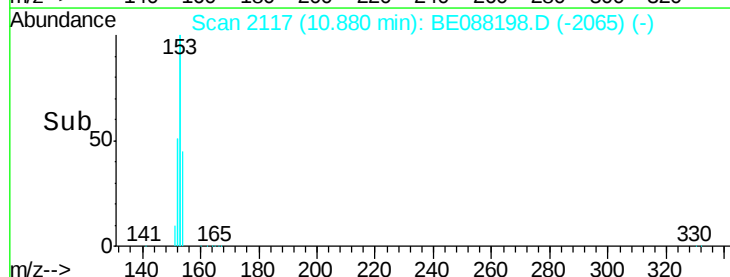
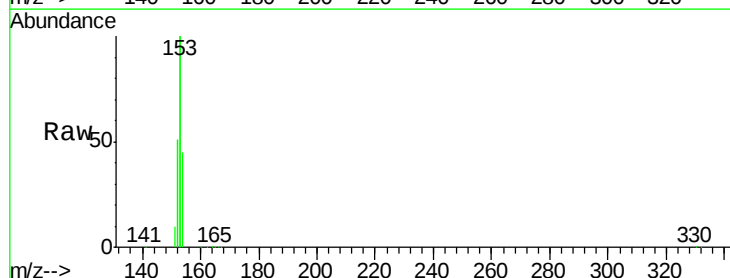
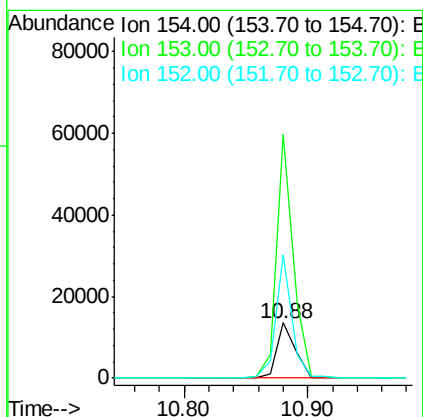
RT: 10.88 min Scan# 2117

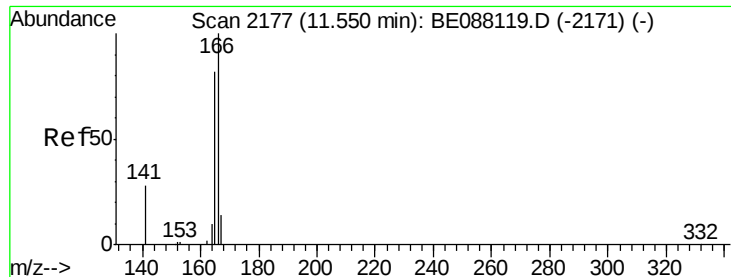
Delta R.T. 0.00 min

Lab File: BE088198.D

Acq: 23 Oct 2014 00:24

Tgt Ion:	154	Resp:	13581
Ion Ratio	Lower	Upper	
154	100		
153	405.3	327.8	491.6
152	193.7	157.6	236.4





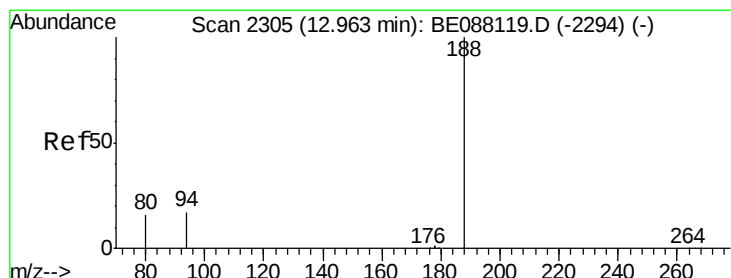
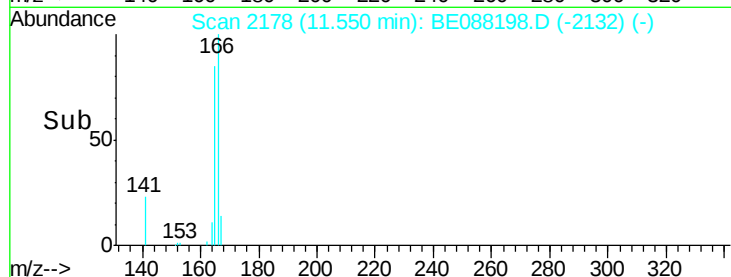
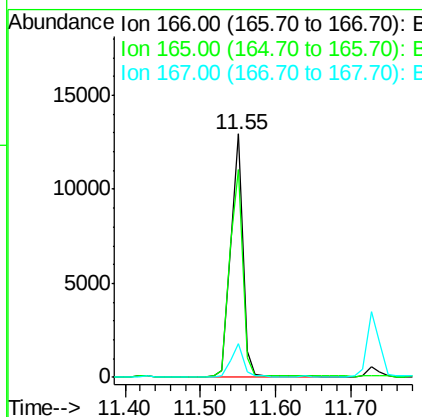
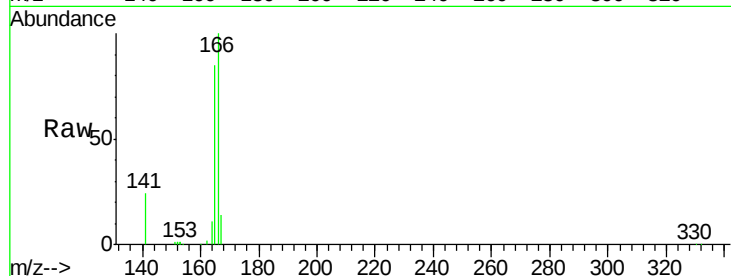
#11
Fluorene
 Concen: 0.89 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BE088198.D
 Acq: 23 Oct 2014 00:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.3	71.4	107.2
167	13.5	10.6	16.0

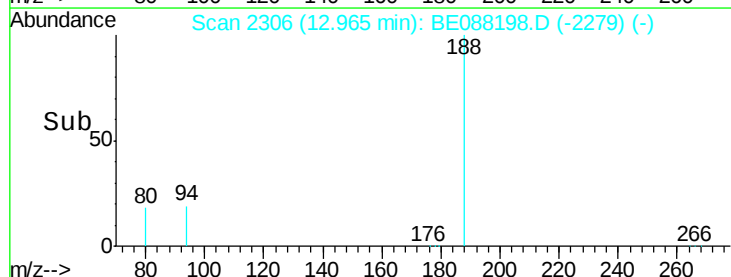
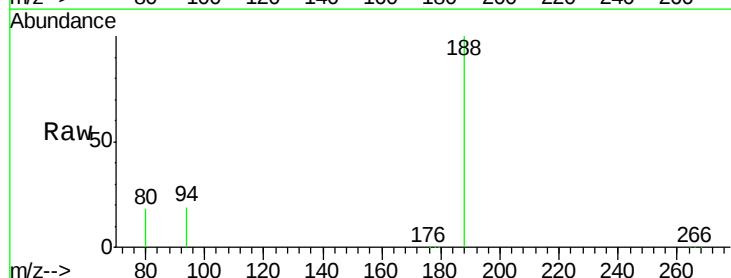
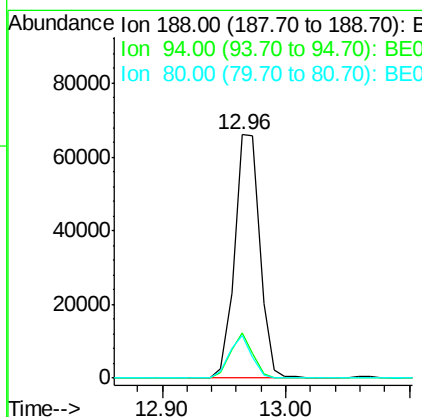
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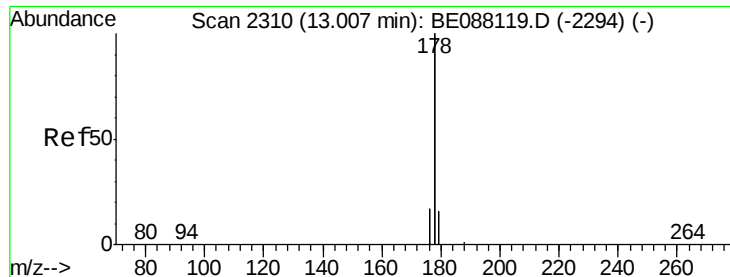
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BE088198.D
 Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.5	13.9	20.9
80	17.7	12.9	19.3





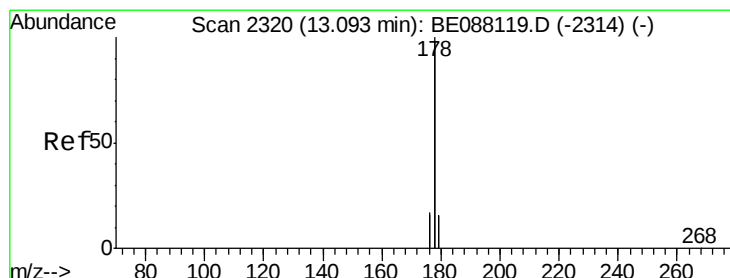
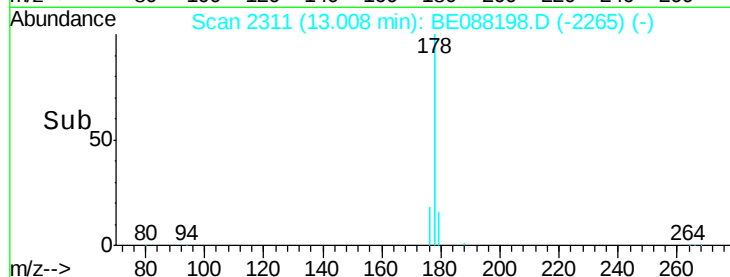
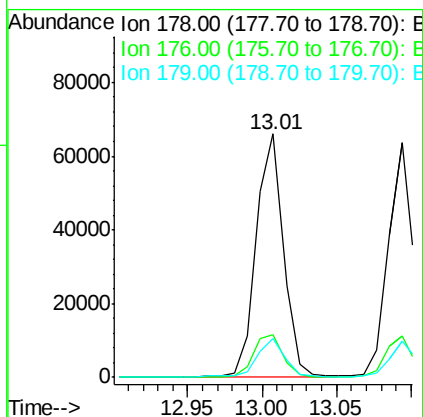
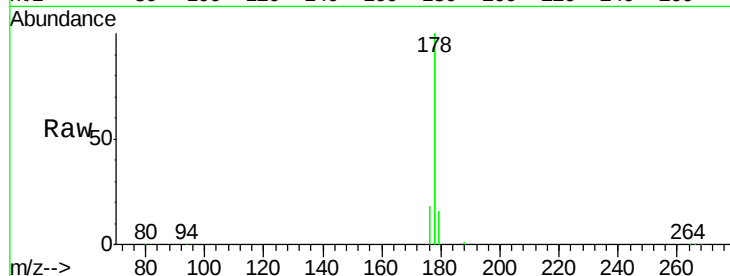
#13
Phenanthrene
Concen: 1.02 ng m
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	12.5	18.7
179	14.0	13.5	20.3

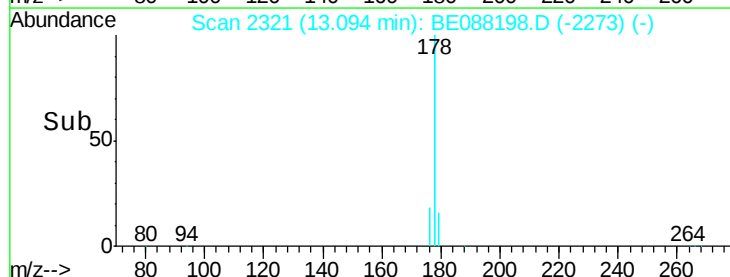
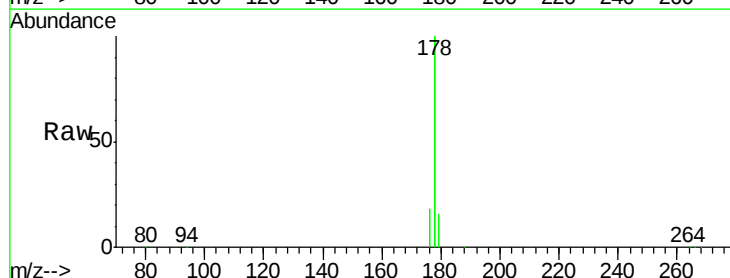
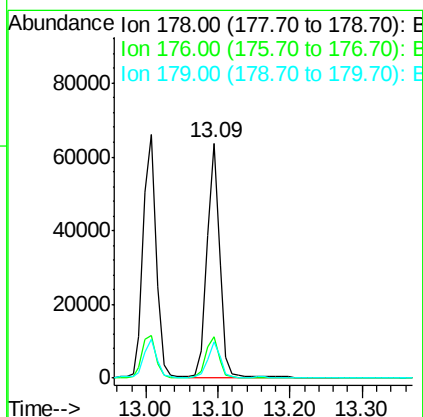
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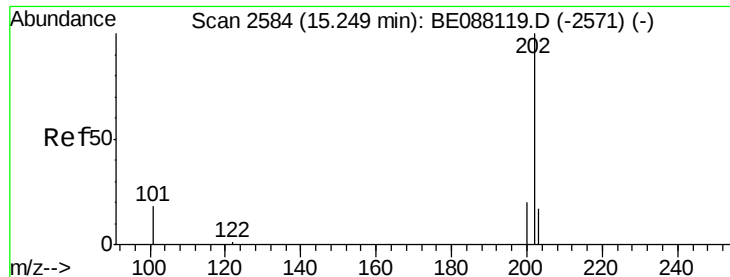
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#14
Anthracene
Concen: 1.05 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.1	12.5	18.7





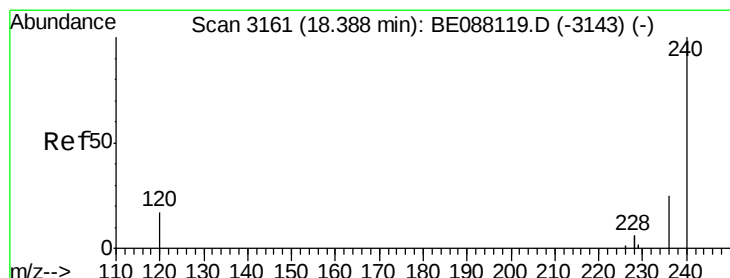
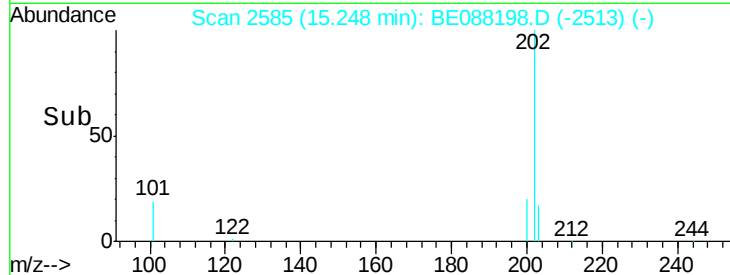
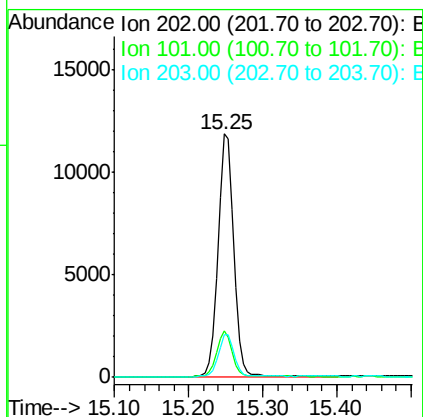
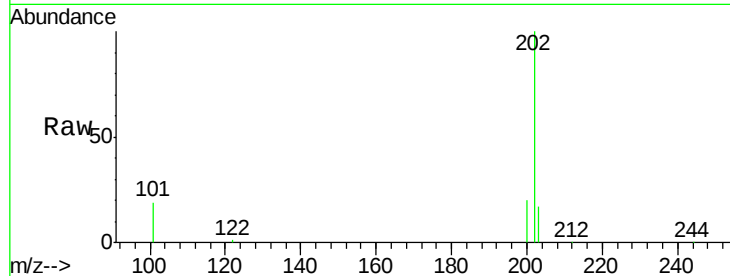
#15
 Fluoranthene
 Concen: 0.99 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088198.D
 Acq: 23 Oct 2014 00:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.3	14.8	22.2
203	17.1	13.5	20.3

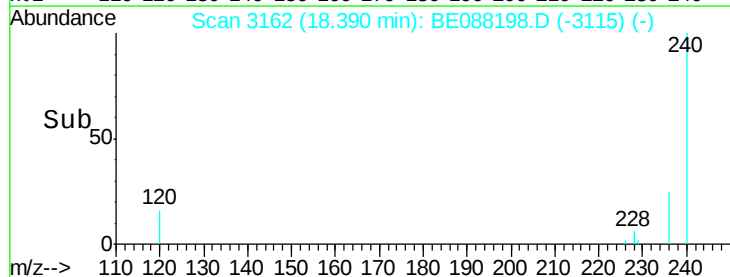
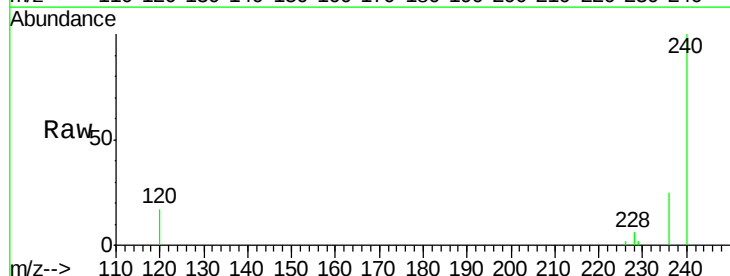
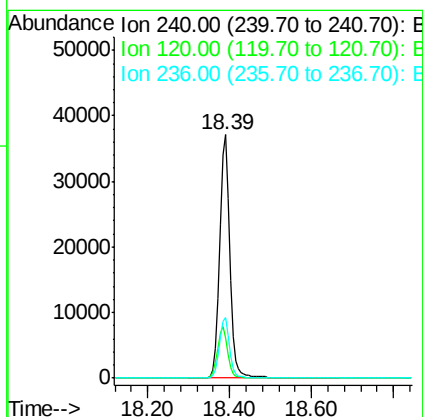
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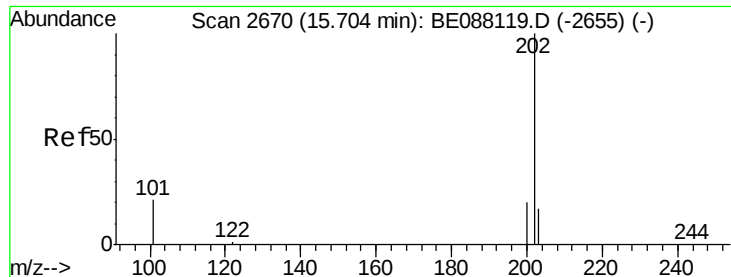
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.39 min Scan# 3162
 Delta R.T. 0.00 min
 Lab File: BE088198.D
 Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.6	13.9	20.9
236	24.9	19.9	29.9





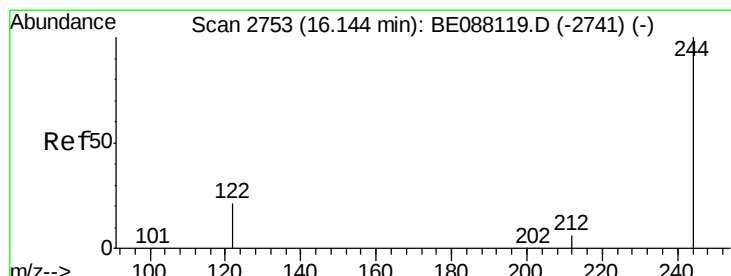
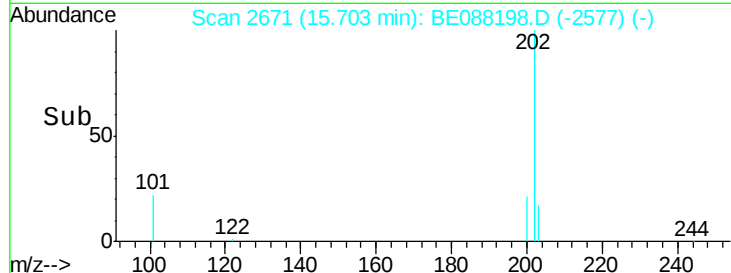
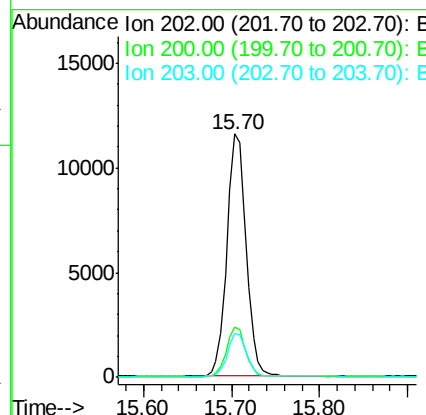
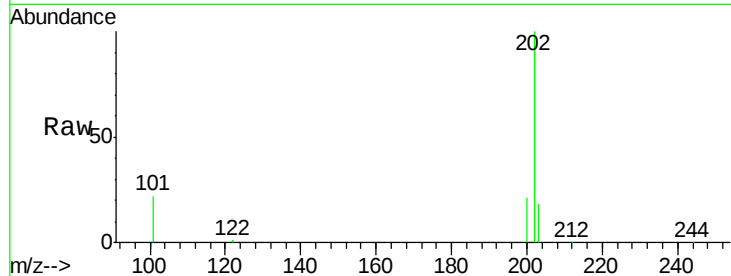
#17
Pyrene
Concen: 0.99 ng
RT: 15.70 min Scan# 2671
Delta R.T. -0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	17558		
200	20.1	16.1	24.1	
203	17.5	13.9	20.9	

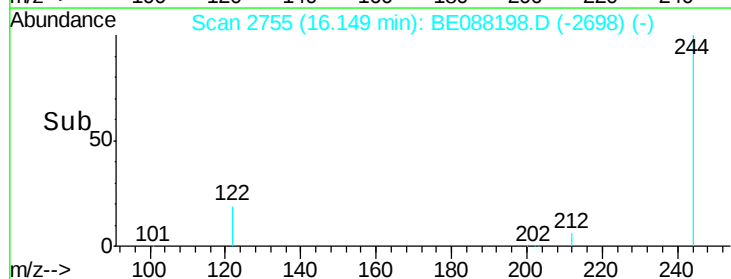
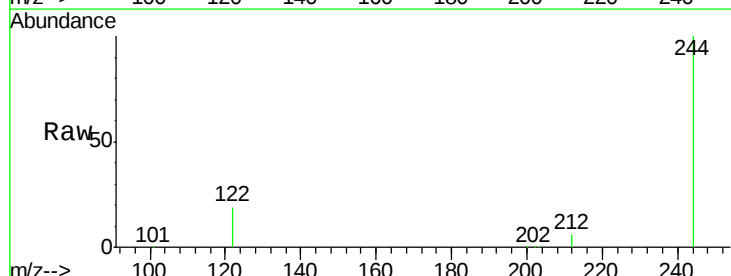
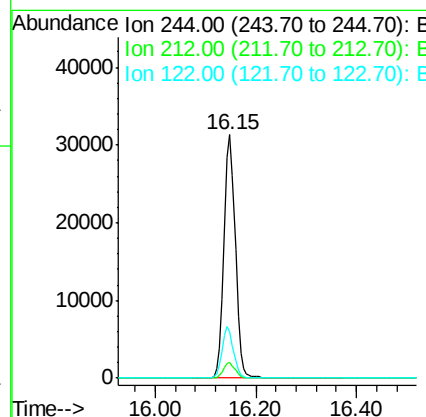
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#18
Terphenyl-d14
Concen: 4.60 ng
RT: 16.15 min Scan# 2755
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	48146		
212	6.5	5.4	8.0	
122	19.2	17.5	26.3	





#19

Benzo(a)anthracene

Concen: 0.88 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088198.D

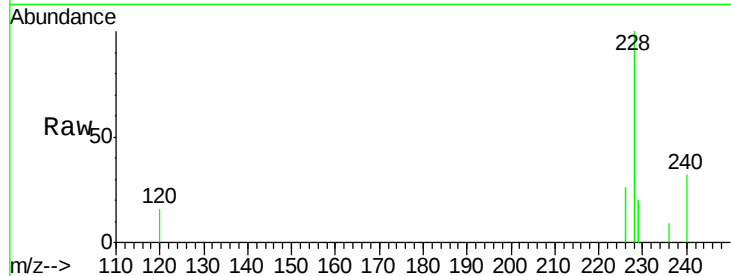
Acq: 23 Oct 2014 00:24

Instrument :

BNA_E

ClientSampleId :

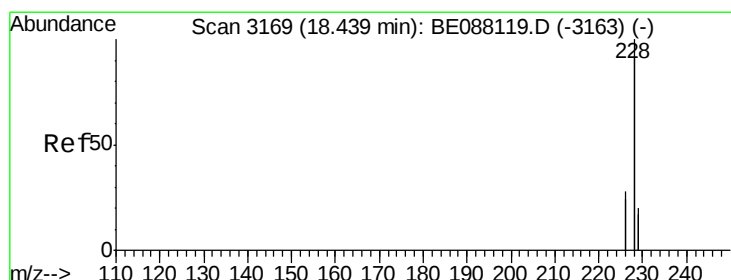
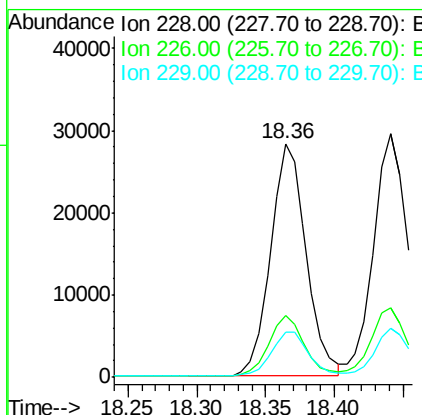
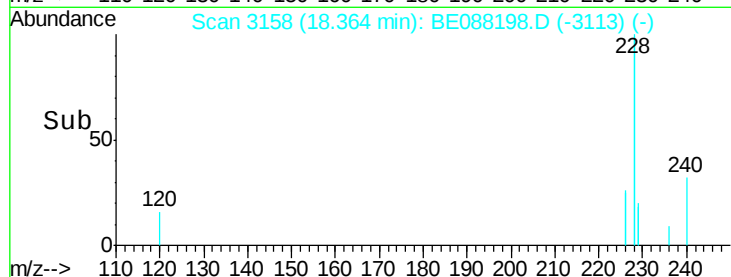
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.8	31.2
229	19.5	15.6	23.4

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#20

Chrysene

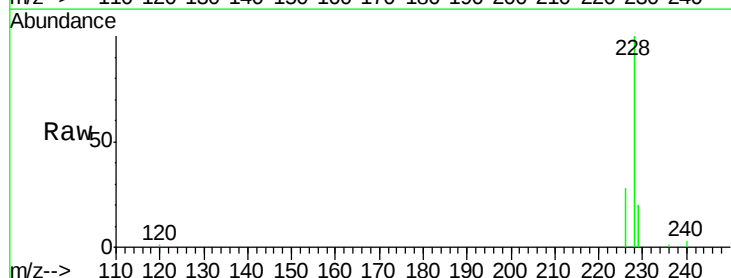
Concen: 0.92 ng

RT: 18.44 min Scan# 3170

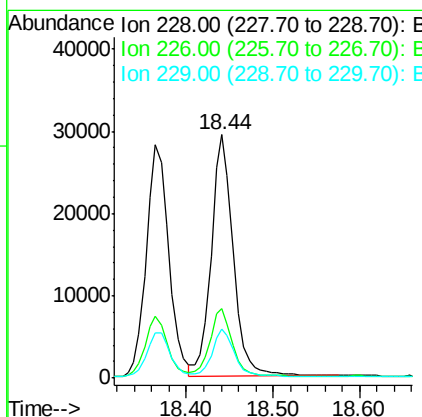
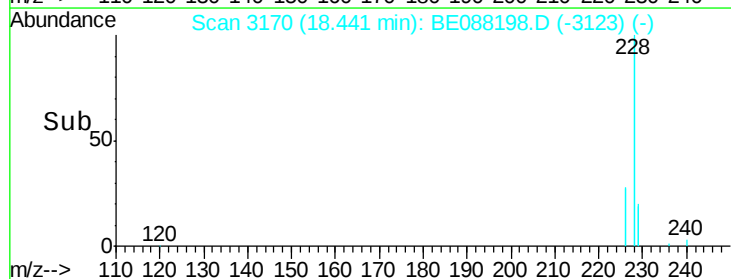
Delta R.T. 0.00 min

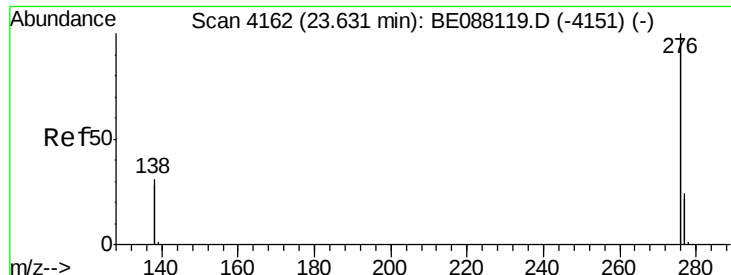
Lab File: BE088198.D

Acq: 23 Oct 2014 00:24



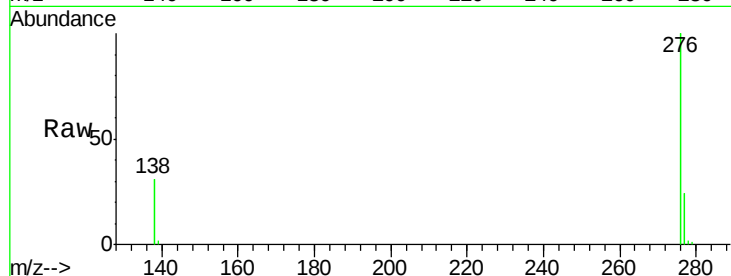
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.7	34.1
229	20.2	15.8	23.6





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.93 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

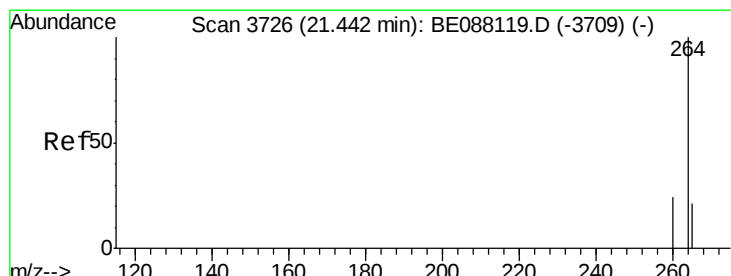
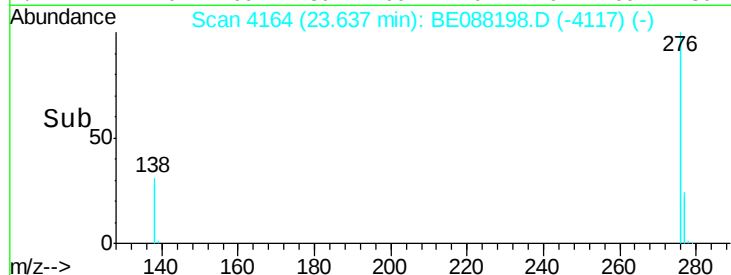
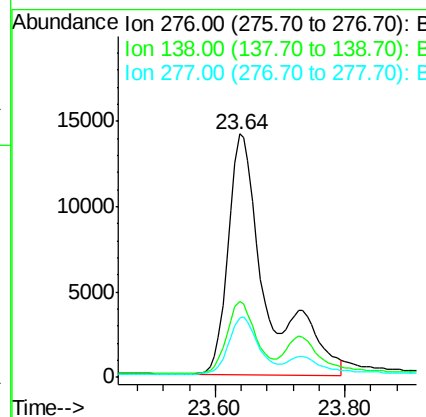
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.5	27.7
277	18.3	14.6	21.8

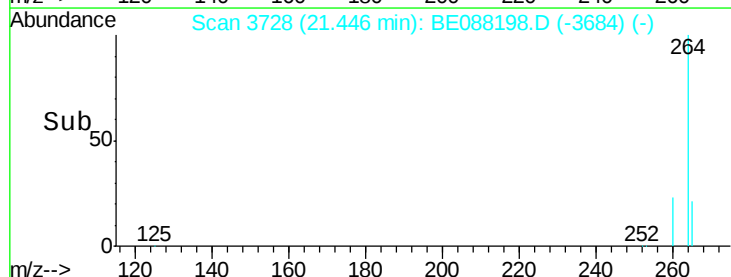
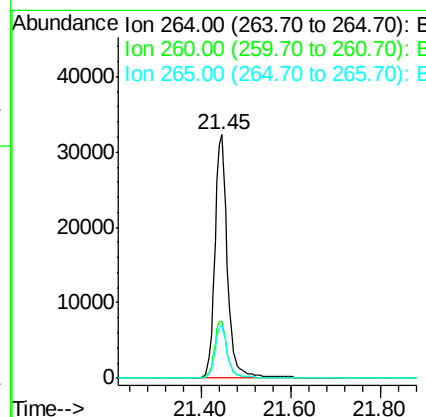
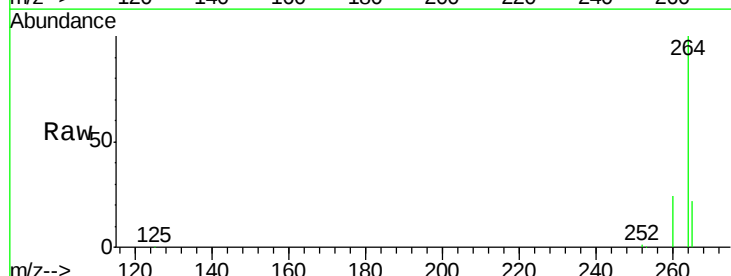
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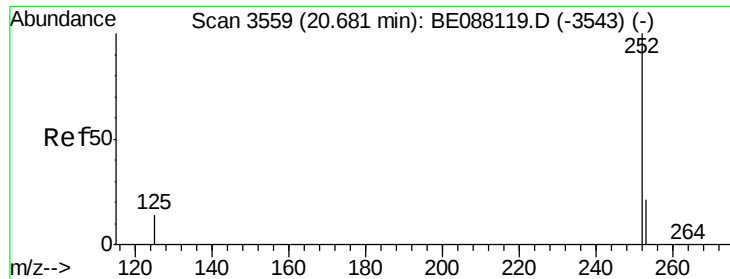
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3728
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.5	17.2	25.8





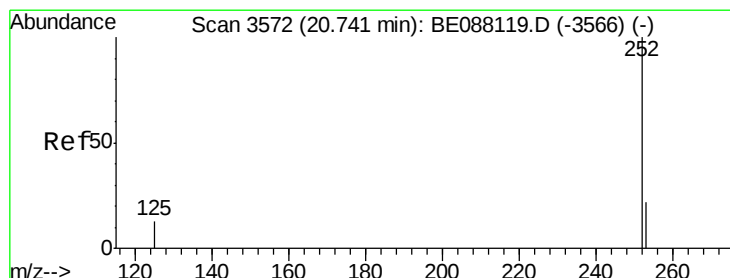
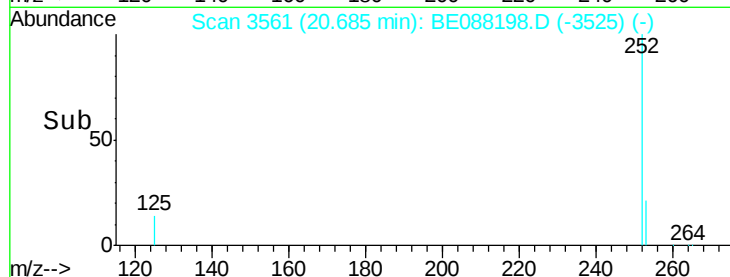
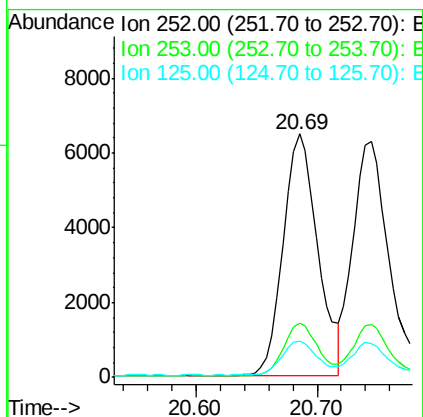
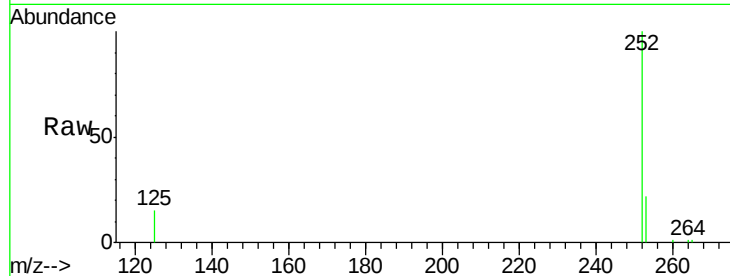
#23
Benzo(b)fluoranthene
Concen: 0.87 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	14.8	11.8	17.8

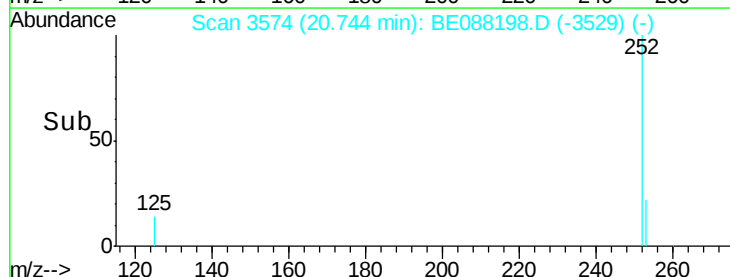
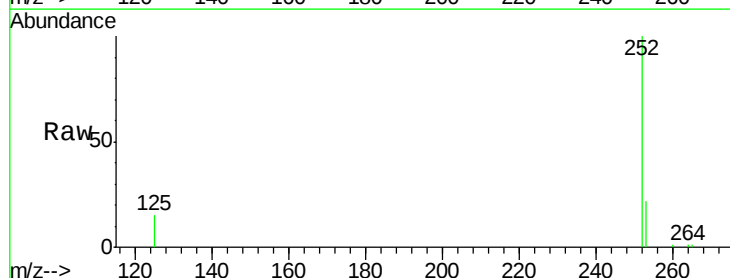
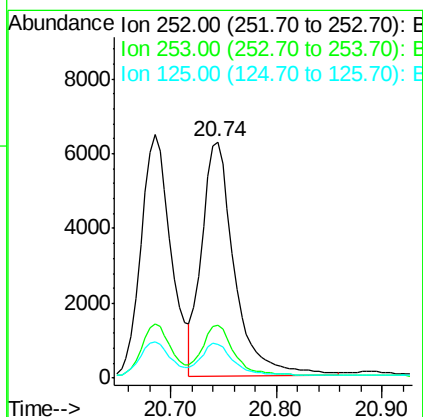
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#24
Benzo(k)fluoranthene
Concen: 0.86 ng
RT: 20.74 min Scan# 3574
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	14.5	11.5	17.3





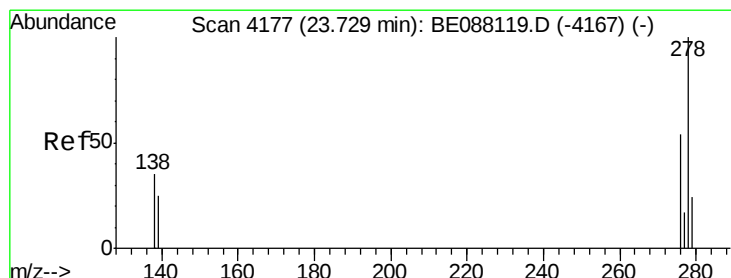
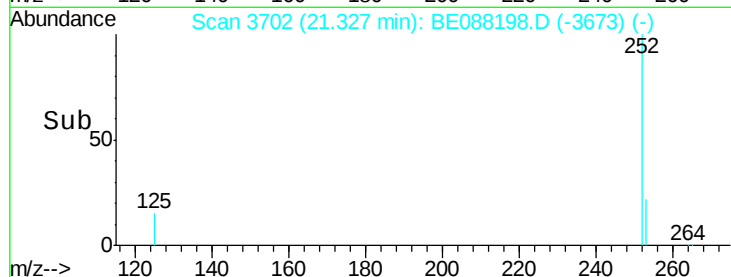
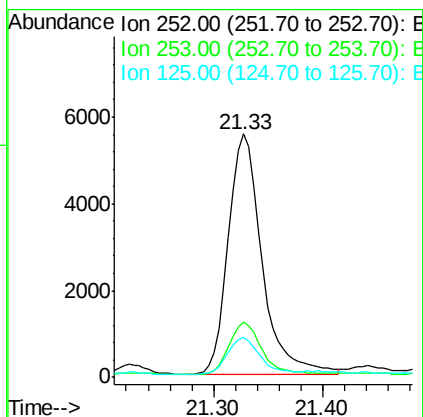
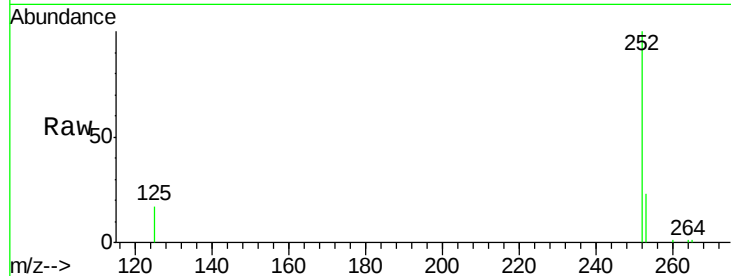
#25
Benzo(a)pyrene
Concen: 0.87 ng
RT: 21.33 min Scan# 3702
Delta R.T. 0.00 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.6	13.0	19.6

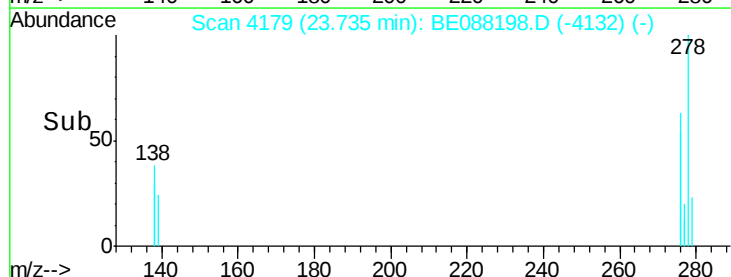
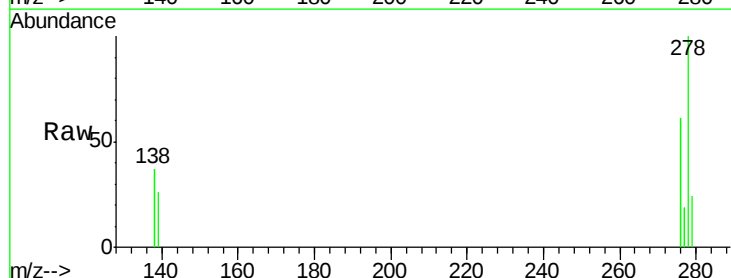
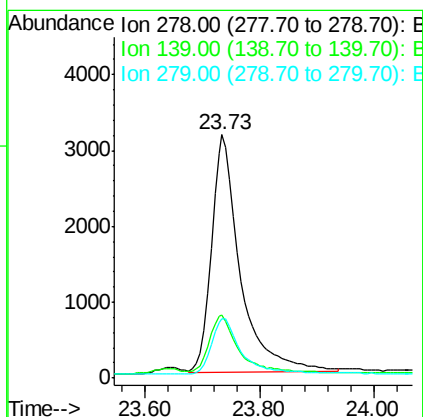
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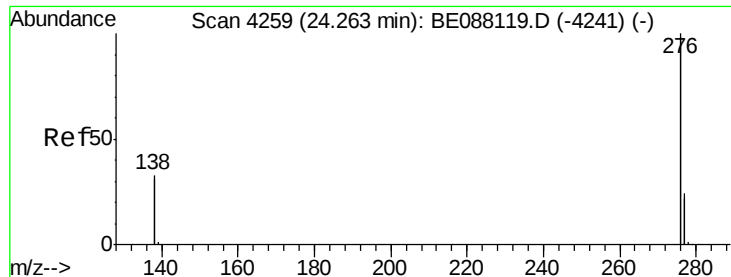
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#26
Dibenzo(a,h)anthracene
Concen: 0.83 ng
RT: 23.73 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088198.D
Acq: 23 Oct 2014 00:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.8	20.9	31.3
279	24.4	19.8	29.8





#27
 Benzo(g,h,i)perylene
 Concen: 0.91 ng
 RT: 24.27 min Scan# 4261
 Delta R.T. 0.01 min
 Lab File: BE088198.D
 Acq: 23 Oct 2014 00:24

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	33.2	26.6	40.0

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