

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088227.D
 Acq On : 25 Oct 2014 1:40
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
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mohammad
 10/28/2014 12:22:45 PM

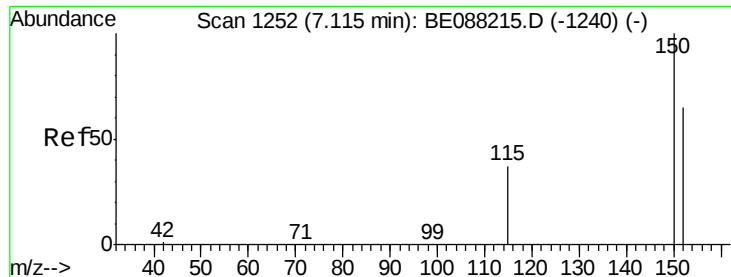
Quant Time: Oct 27 13:50:42 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 13:04:40 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	31735	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	123744	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	59059	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	111341	5.00	ng	0.00
16) Chrysene-d12	18.35	240	53635	5.00	ng	0.00
22) Perylene-d12	21.40	264	43848	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	8649	1.05	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	17327	1.05	ng	0.00
18) Terphenyl-d14	16.11	244	10266	1.17	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.34	88	4641	1.05	ng	97
5) Naphthalene	8.70	128	26821	1.07	ng	97
6) 2-Methylnaphthalene	9.55	142	16548	1.09	ng	99
9) Acenaphthylene	10.64	152	96287	1.09	ng	100
10) Acenaphthene	10.86	154	14908	1.07	ng	99
11) Fluorene	11.52	166	16042	1.13	ng	99
13) Phenanthrene	12.97	178	110772	1.03	ng	95
14) Anthracene	13.06	178	84997	1.07	ng	99
15) Fluoranthene	15.21	202	16655	1.02	ng	99
17) Pyrene	15.66	202	18203	1.24	ng	100
19) Benzo(a)anthracene	18.33	228	47213	1.12	ng	99
20) Chrysene	18.40	228	52577	1.10	ng	100
21) Indeno(1,2,3-cd)pyrene	23.58	276	40319m	1.01	ng	
23) Benzo(b)fluoranthene	20.64	252	8304	1.03	ng	100
24) Benzo(k)fluoranthene	20.70	252	12842	1.13	ng	99
25) Benzo(a)pyrene	21.28	252	8317	1.05	ng	99
26) Dibenzo(a,h)anthracene	23.67	278	8142	1.10	ng	99
27) Benzo(g,h,i)perylene	24.20	276	41922	1.19	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088227.D

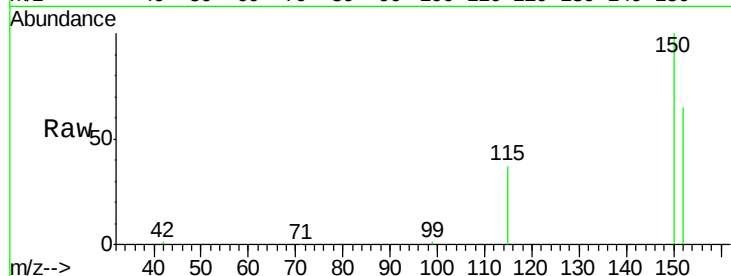
Acq: 25 Oct 2014 1:40

Instrument :

BNA_E

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SSTDCCC001



Tgt Ion: 152 Resp: 31735

Ion Ratio Lower Upper

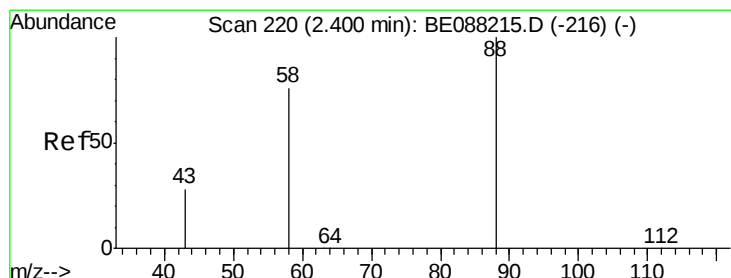
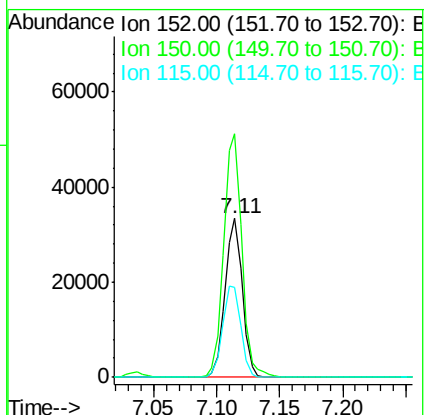
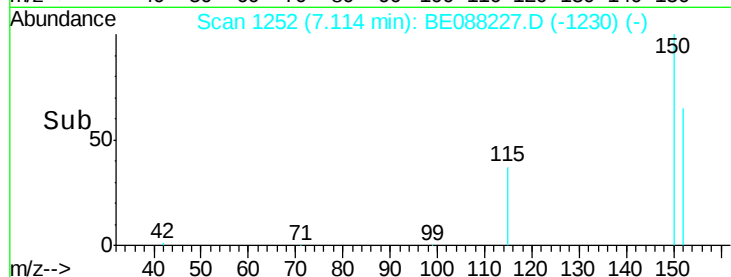
152 100

150 153.2 123.2 184.8

115 56.5 45.3 67.9

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#2

1,4-Dioxane

Concen: 1.05 ng

RT: 2.34 min Scan# 207

Delta R.T. -0.06 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

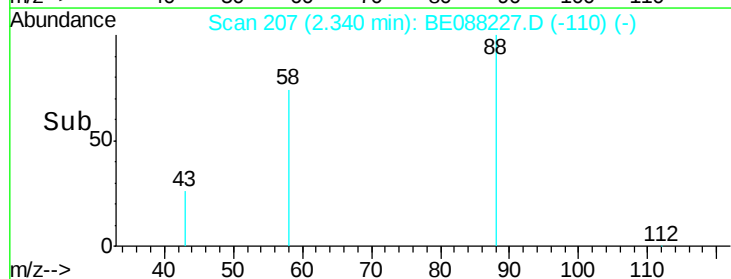
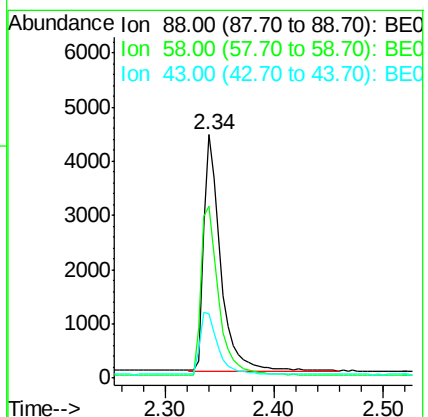
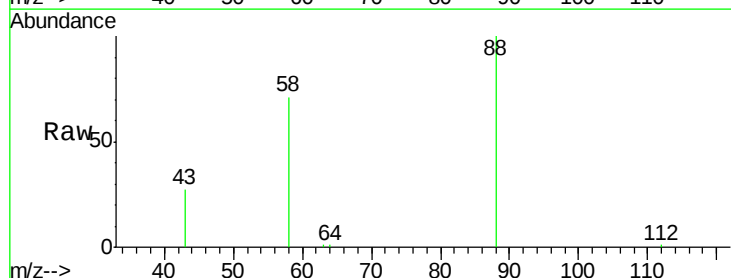
Tgt Ion: 88 Resp: 4641

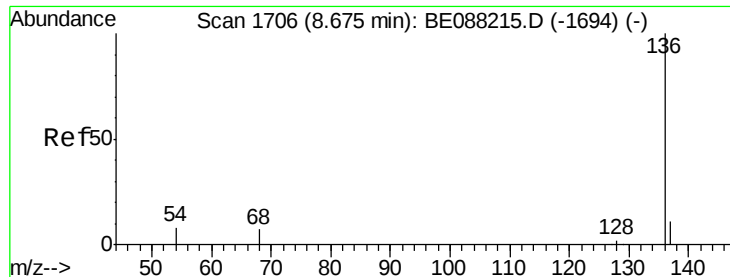
Ion Ratio Lower Upper

88 100

58 76.6 59.0 88.4

43 29.1 21.9 32.9





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.67 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Instrument :

BNA_E

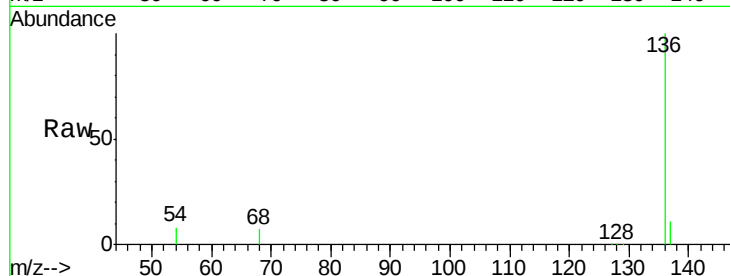
ClientSampleId :

SSTDCCC001

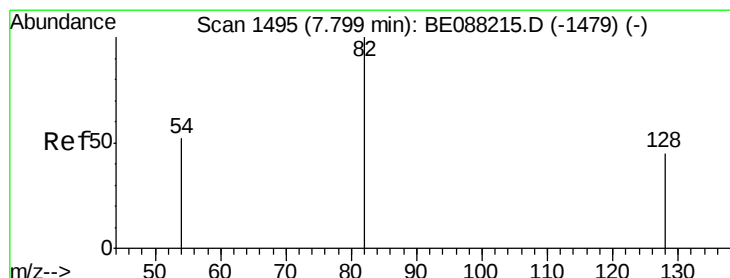
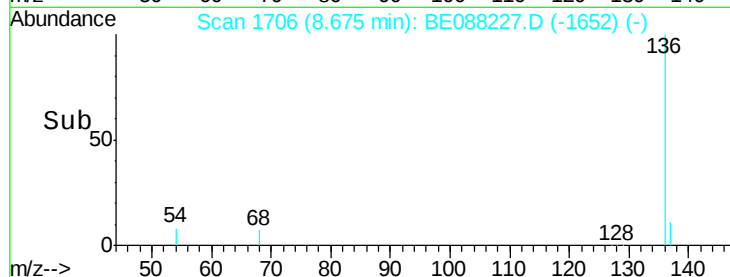
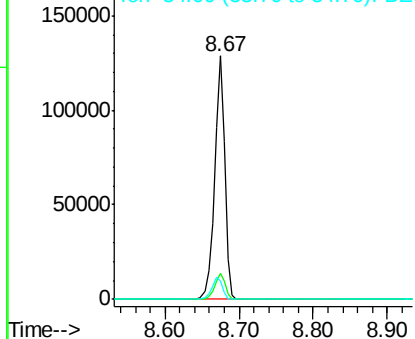
Tgt Ion:	136	Resp:	123744
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	7.6	6.1	9.1

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



#4

Nitrobenzene-d5

Concen: 1.05 ng

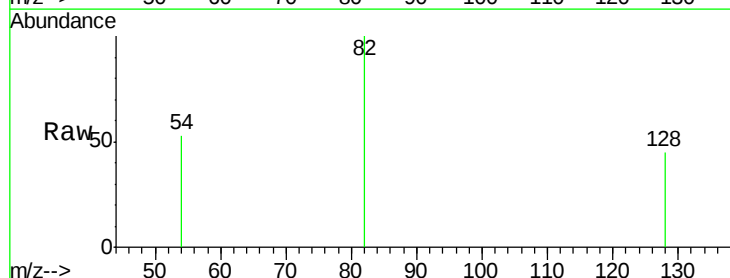
RT: 7.80 min Scan# 1495

Delta R.T. 0.00 min

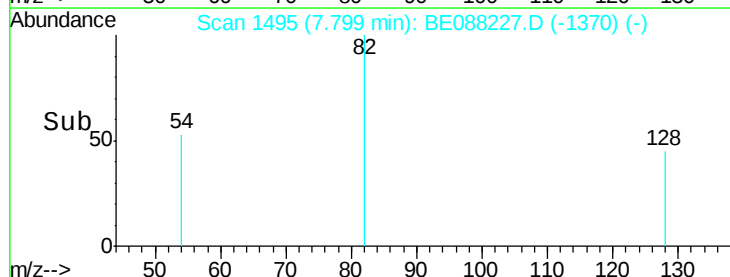
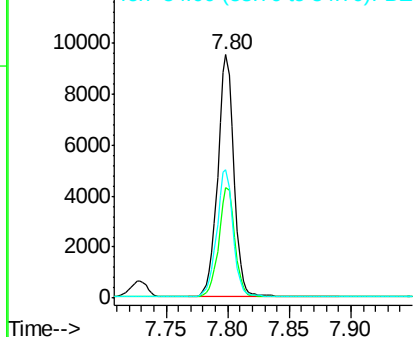
Lab File: BE088227.D

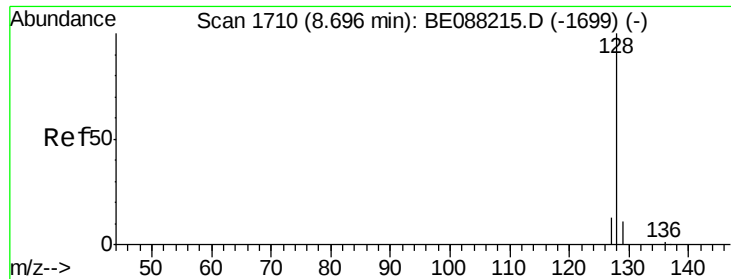
Acq: 25 Oct 2014 1:40

Tgt Ion:	82	Resp:	8649
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.2	54.2
54	52.8	41.8	62.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 1.07 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Instrument :

BNA_E

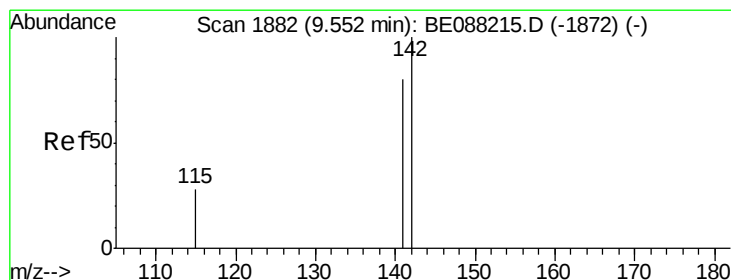
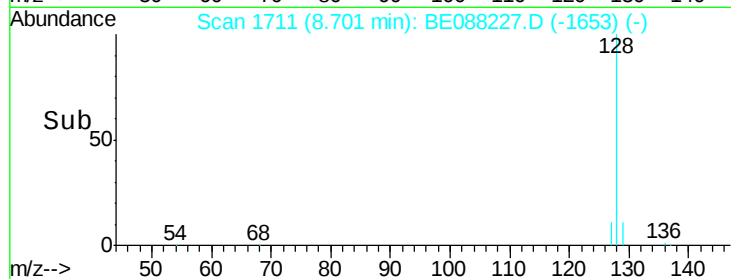
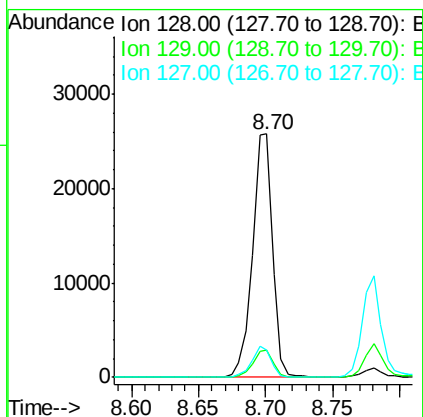
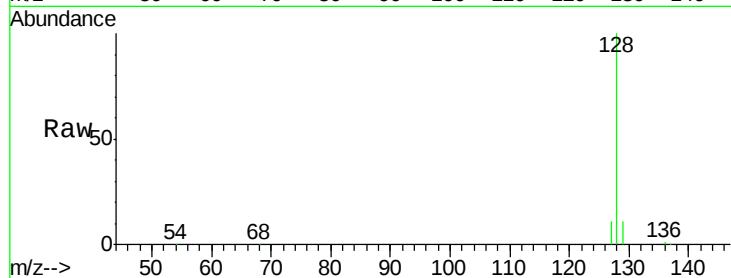
ClientSampleId :

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Tgt Ion:	128	Resp:	26821
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	12.8
127	11.5	10.4	15.6

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#6

2-Methylnaphthalene

Concen: 1.09 ng

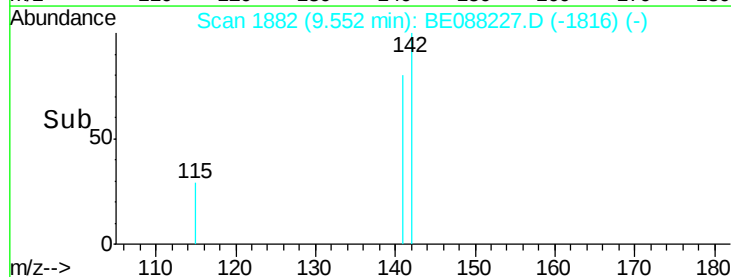
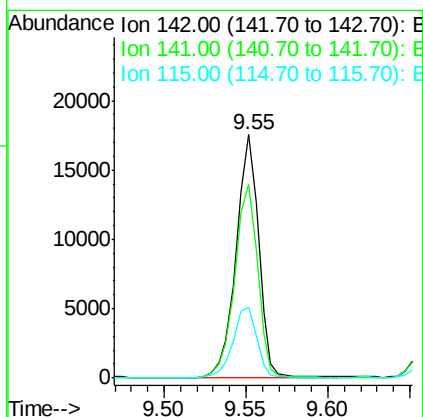
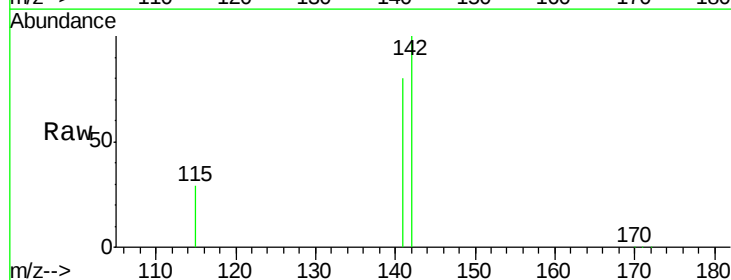
RT: 9.55 min Scan# 1882

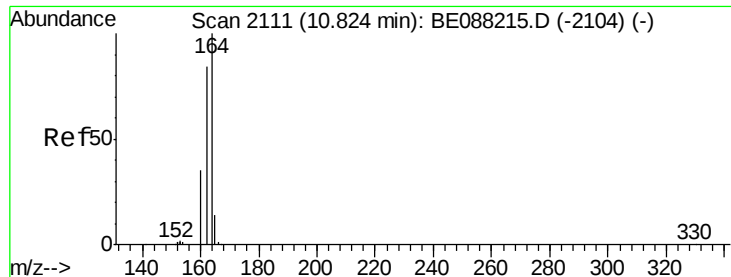
Delta R.T. -0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Tgt Ion:	142	Resp:	16548
Ion Ratio	Lower	Upper	
142	100		
141	79.6	63.7	95.5
115	29.3	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.82 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088227.D

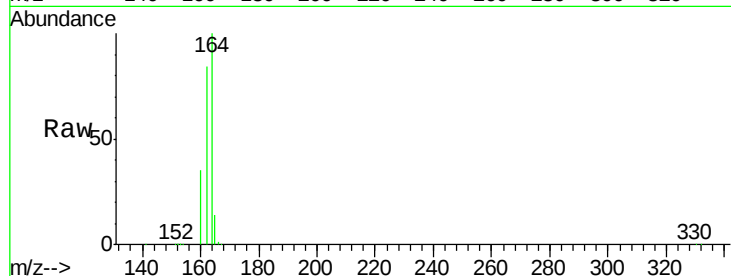
Acq: 25 Oct 2014 1:40

Instrument :

BNA_E

ClientSampleId :

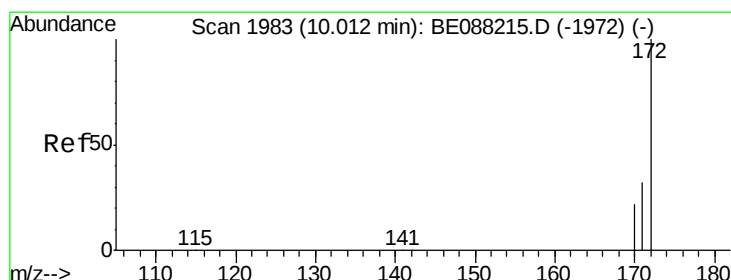
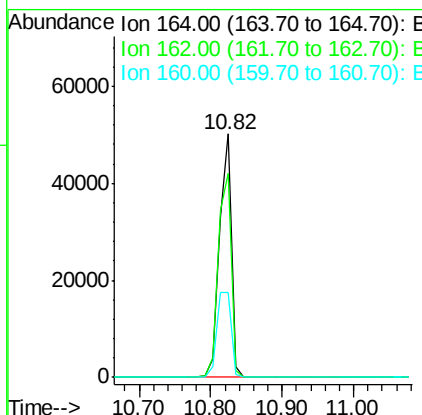
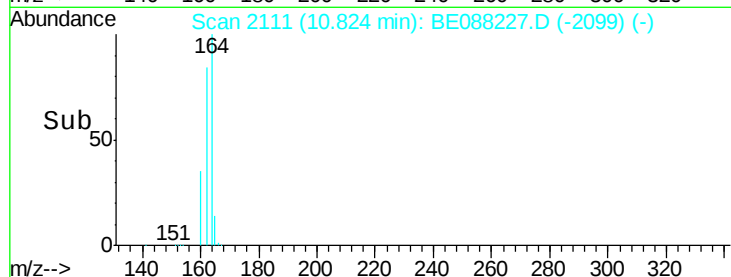
SSTDCCC001



Tgt Ion:	164	Resp:	59059
Ion Ratio	Lower	Upper	
164	100		
162	83.8	67.4	101.0
160	34.6	27.7	41.5

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#8

2-Fluorobiphenyl

Concen: 1.05 ng

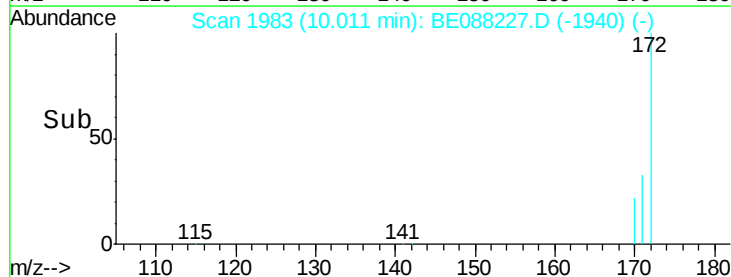
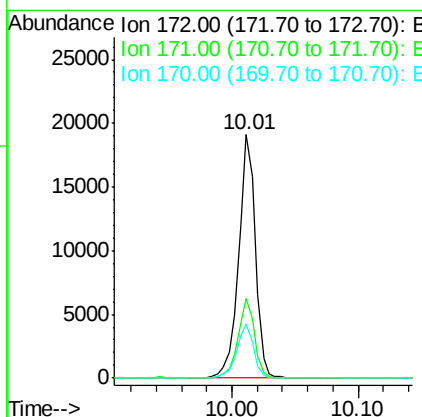
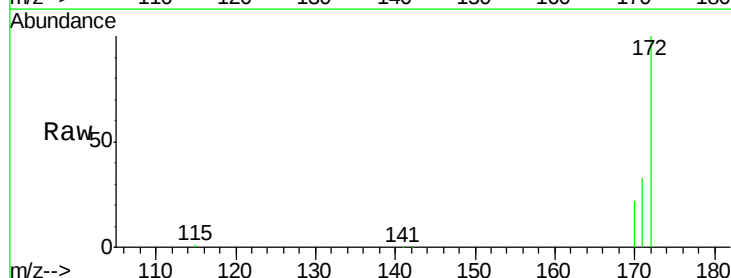
RT: 10.01 min Scan# 1983

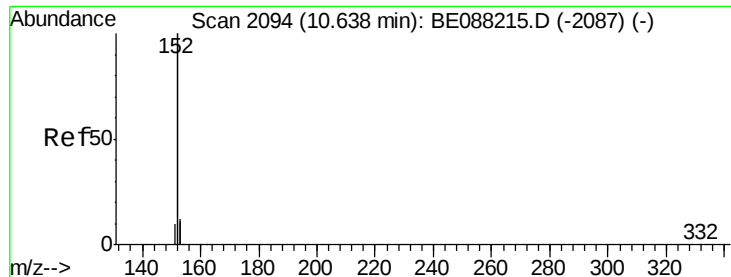
Delta R.T. -0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Tgt Ion:	172	Resp:	17327
Ion Ratio	Lower	Upper	
172	100		
171	33.0	25.8	38.6
170	22.2	17.4	26.0





#9

Acenaphthylene

Concen: 1.09 ng

RT: 10.64 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BE088227.D

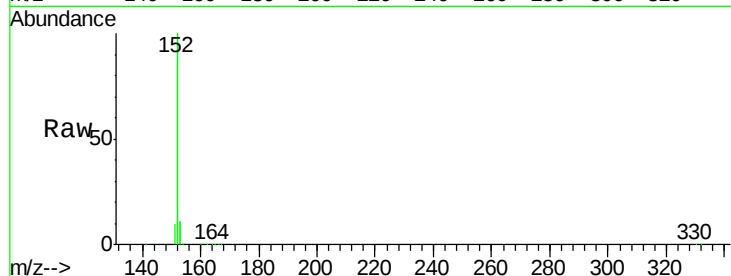
Acq: 25 Oct 2014 1:40

Instrument :

BNA_E

ClientSampleId :

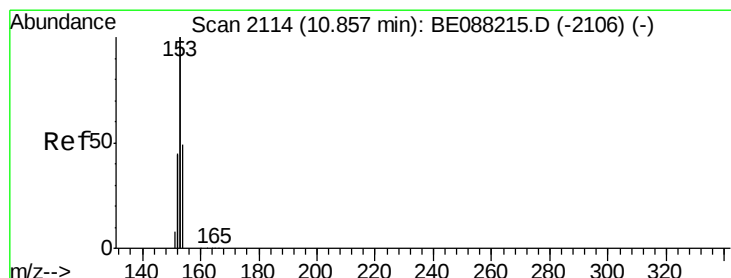
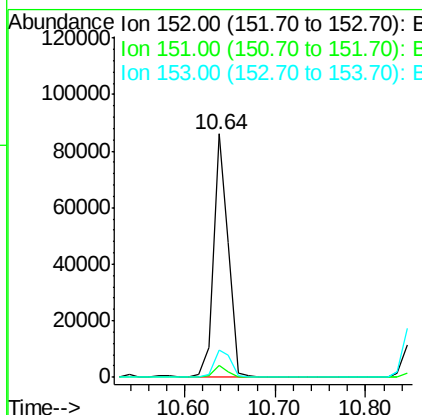
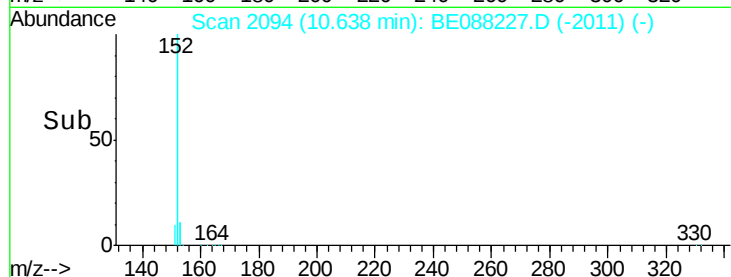
SSTDCCC001



Tgt Ion:	152	Resp:	96287
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.3	15.5

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#10

Acenaphthene

Concen: 1.07 ng

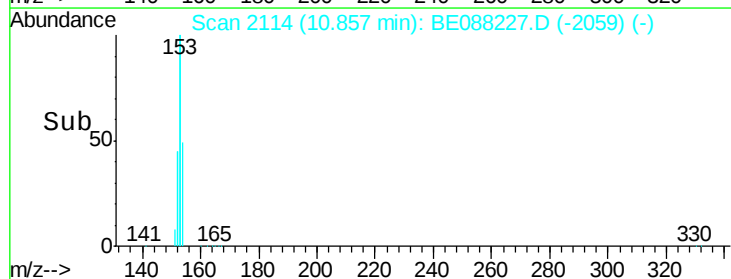
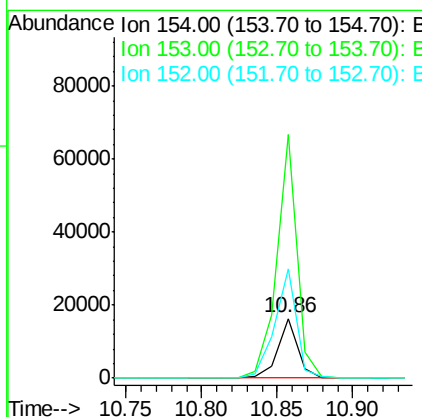
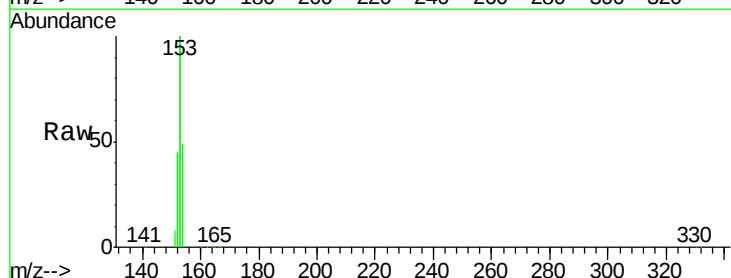
RT: 10.86 min Scan# 2114

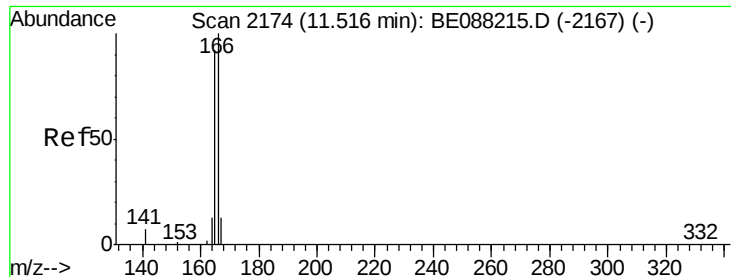
Delta R.T. 0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Tgt Ion:	154	Resp:	14908
Ion Ratio	Lower	Upper	
154	100		
153	410.6	326.0	489.0
152	195.3	155.6	233.4





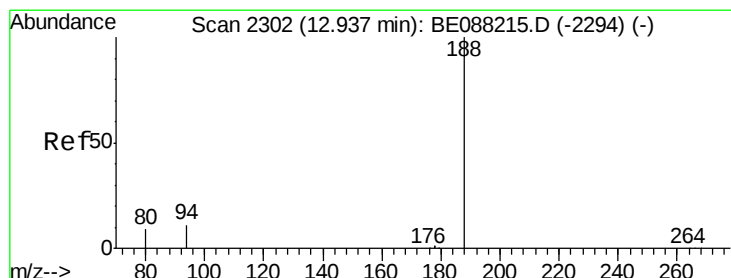
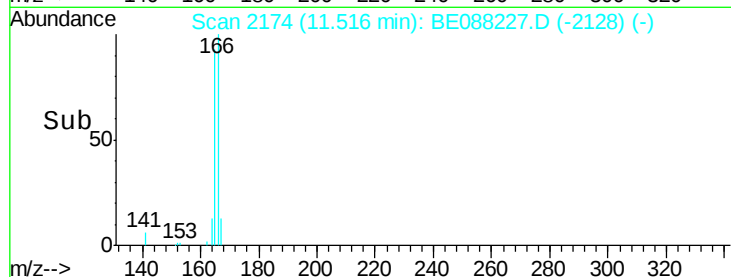
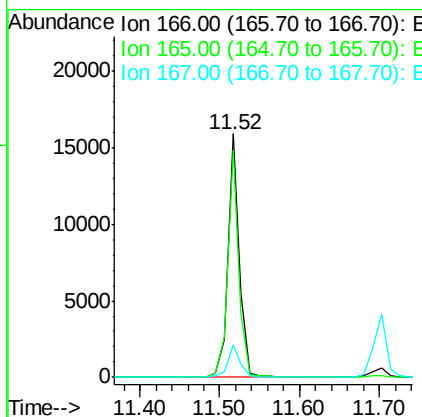
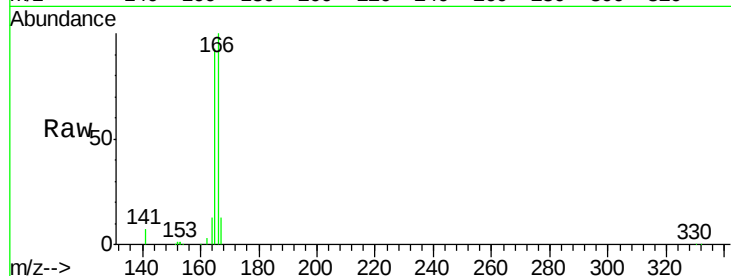
#11
Fluorene
 Concen: 1.13 ng
 RT: 11.52 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: BE088227.D
 Acq: 25 Oct 2014 1:40

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.6	71.8	107.6
167	13.5	10.7	16.1

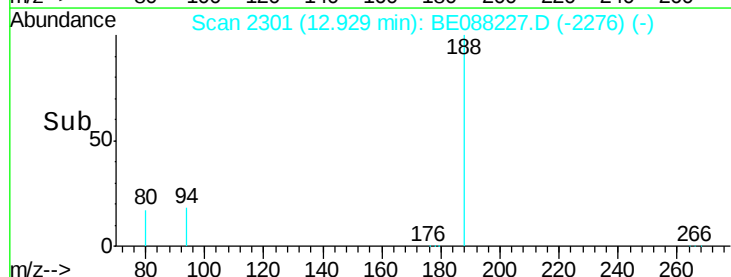
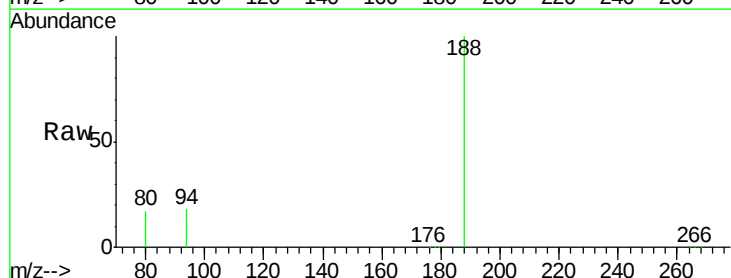
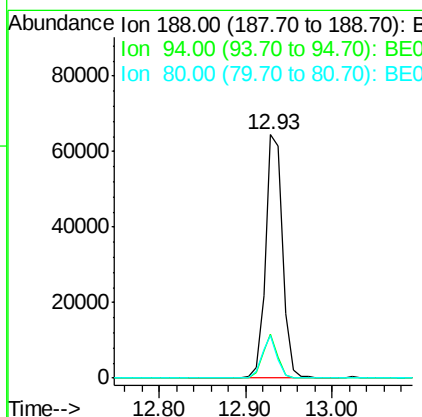
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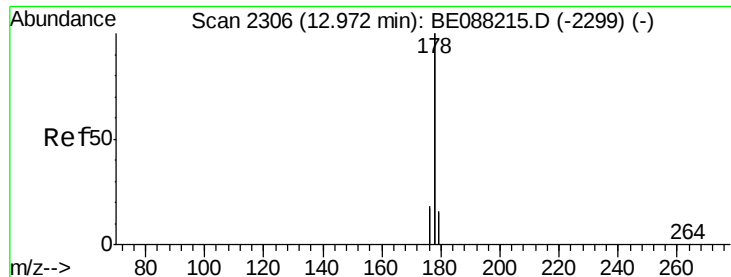
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.93 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BE088227.D
 Acq: 25 Oct 2014 1:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.1	8.5	12.7#
80	17.3	7.4	11.0#





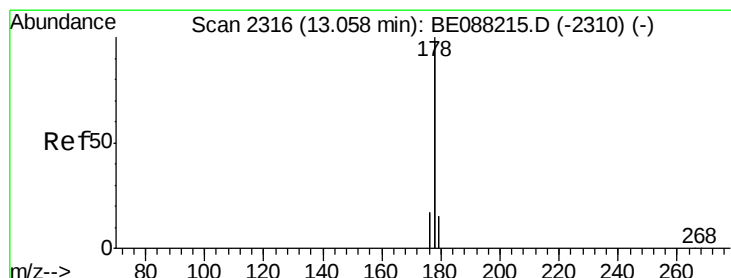
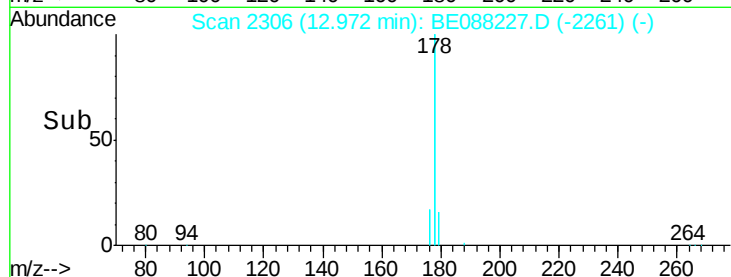
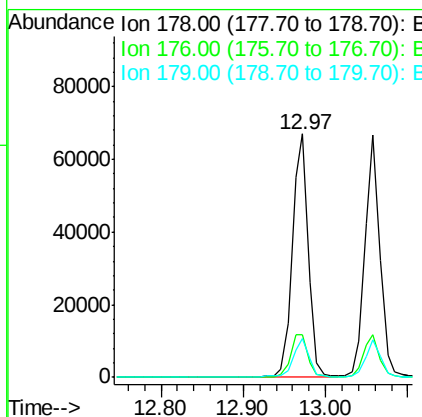
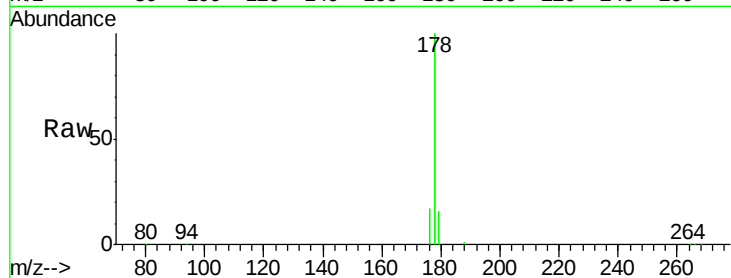
#13
Phenanthrene
Concen: 1.03 ng
RT: 12.97 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.4	14.0	21.0
179	16.8	11.8	17.6

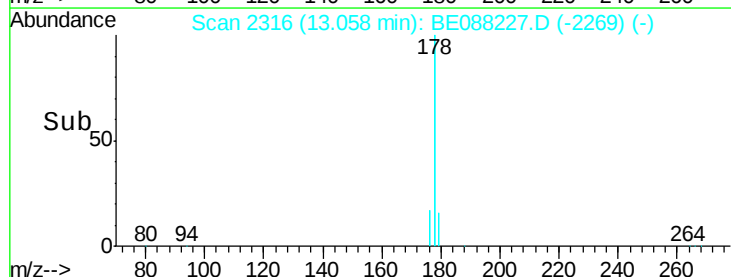
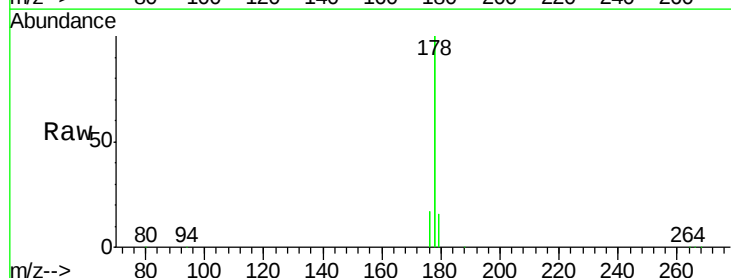
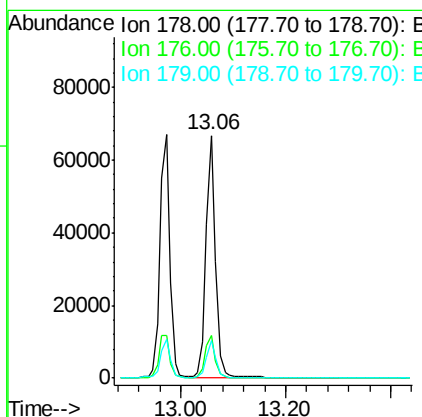
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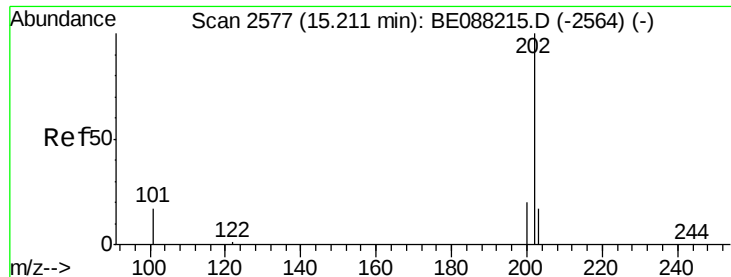
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#14
Anthracene
Concen: 1.07 ng
RT: 13.06 min Scan# 2316
Delta R.T. 0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	16.2	12.3	18.5





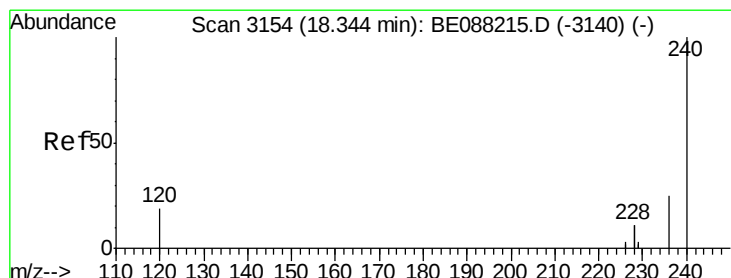
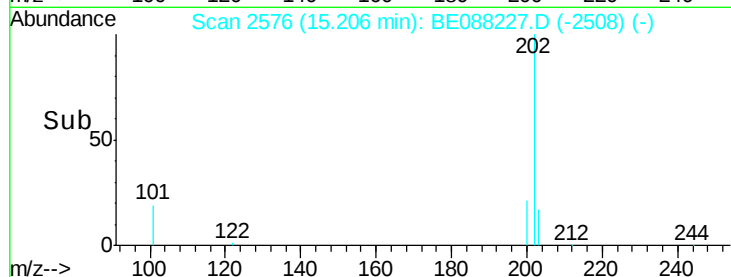
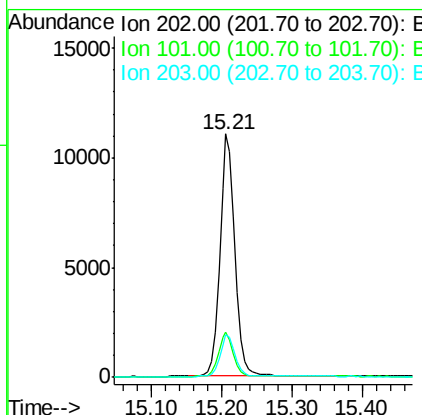
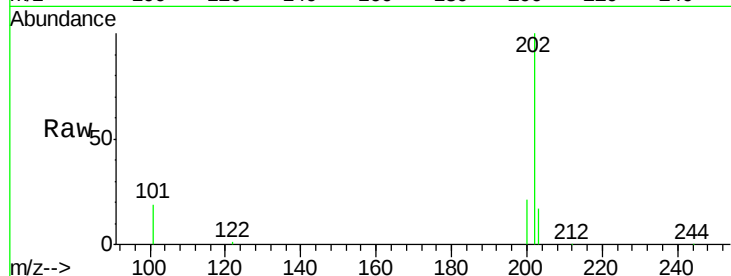
#15
 Fluoranthene
 Concen: 1.02 ng
 RT: 15.21 min Scan# 2576
 Delta R.T. -0.00 min
 Lab File: BE088227.D
 Acq: 25 Oct 2014 1:40

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	17.8	14.4	21.6
203	17.1	13.4	20.2

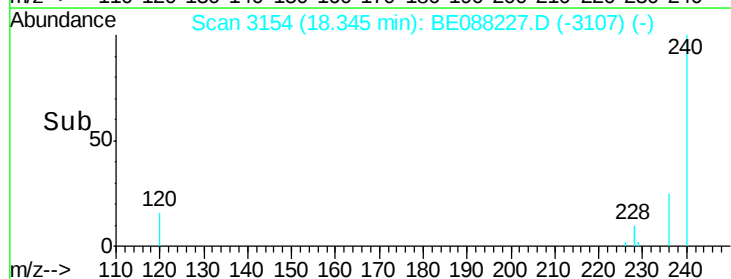
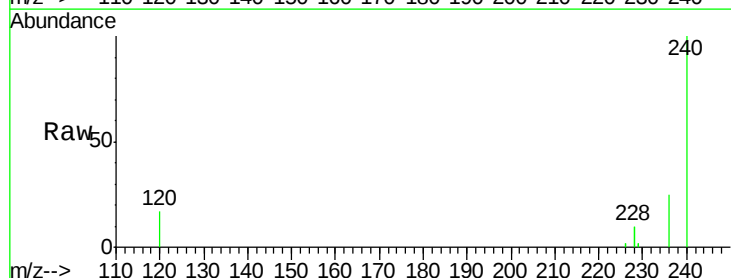
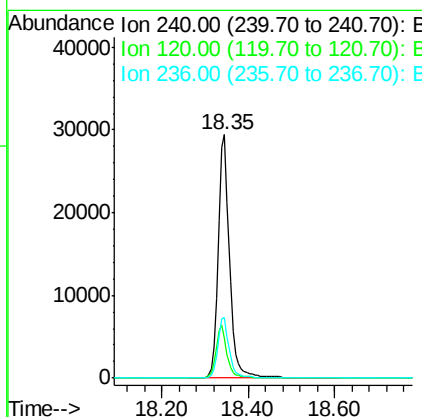
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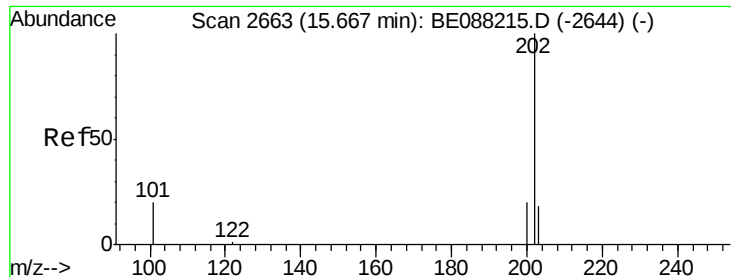
mohammad
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.35 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: BE088227.D
 Acq: 25 Oct 2014 1:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	16.6	15.1	22.7
236	24.7	20.1	30.1





#17

Pyrene

Concen: 1.24 ng

RT: 15.66 min Scan# 2662

Delta R.T. -0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Instrument :

BNA_E

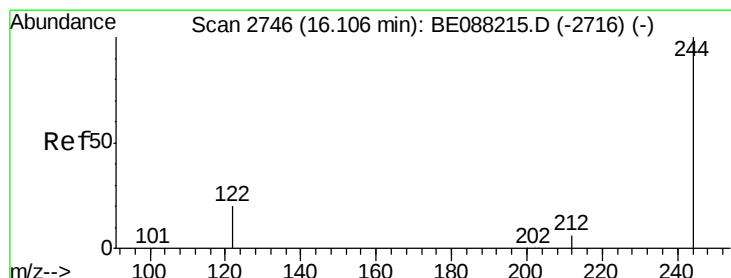
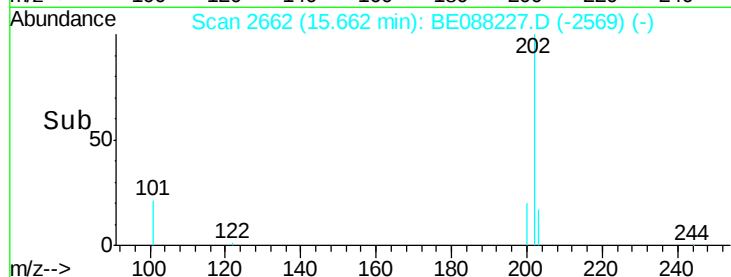
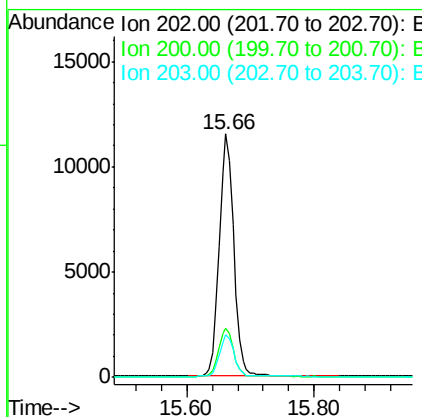
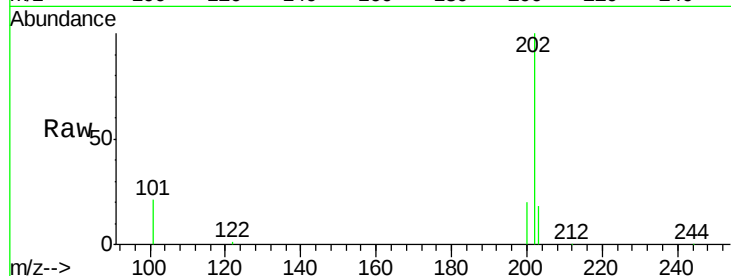
ClientSampleId :

SSTDCCC001

Tgt Ion:	202	Resp:	18203
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.2	24.2
203	17.2	13.8	20.8

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#18

Terphenyl-d14

Concen: 1.17 ng

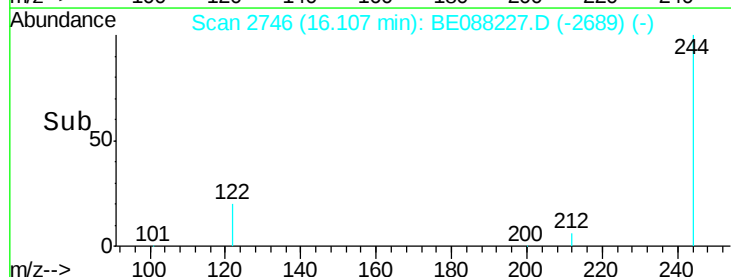
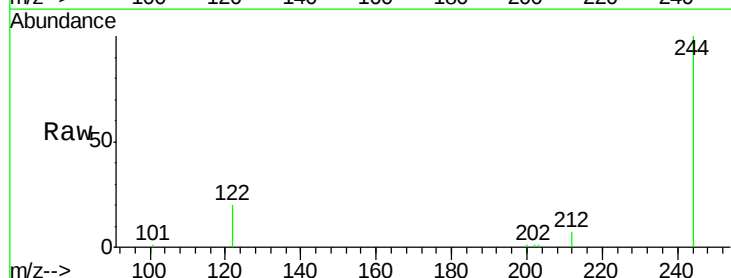
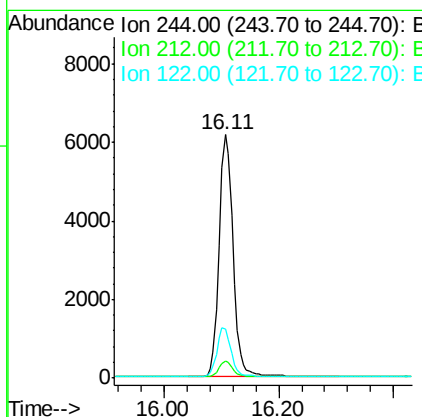
RT: 16.11 min Scan# 2746

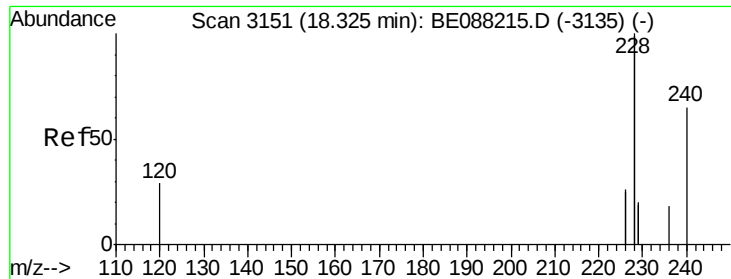
Delta R.T. 0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Tgt Ion:	244	Resp:	10266
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.2
122	20.4	16.7	25.1





#19

Benzo(a)anthracene

Concen: 1.12 ng

RT: 18.33 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Instrument :

BNA_E

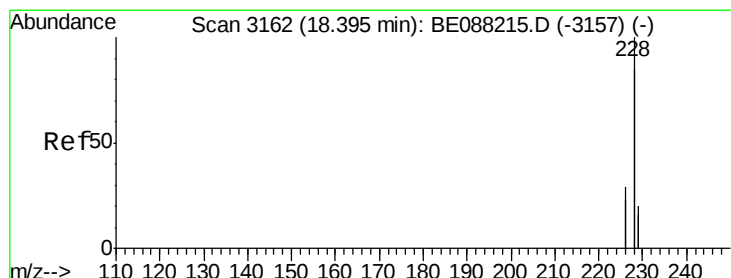
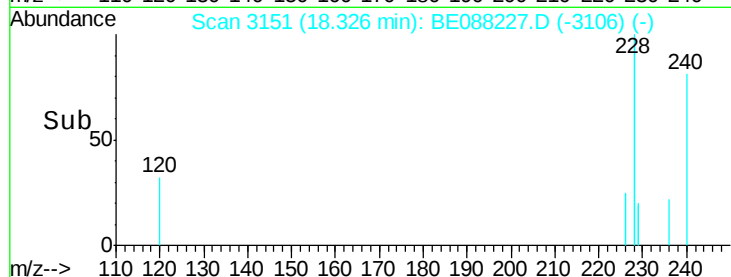
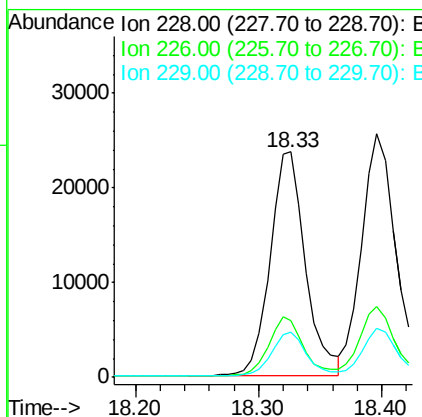
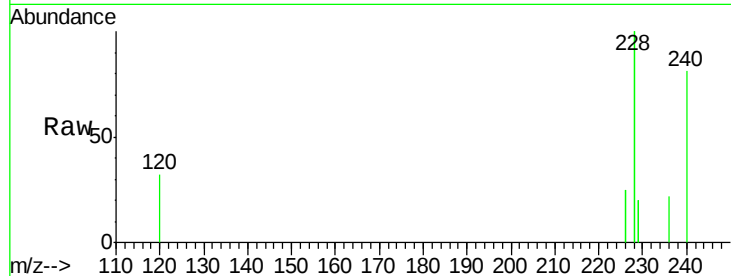
ClientSampleId :

SSTDCCC001

Tgt Ion:	228	Resp:	47213
Ion Ratio	Lower	Upper	
228	100		
226	25.1	20.5	30.7
229	20.2	16.1	24.1

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#20

Chrysene

Concen: 1.10 ng

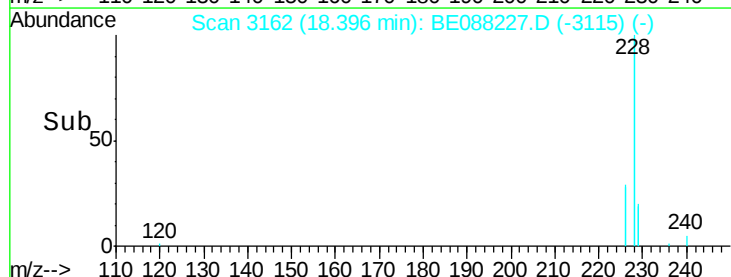
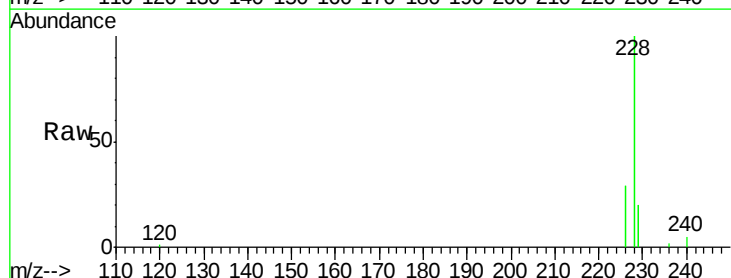
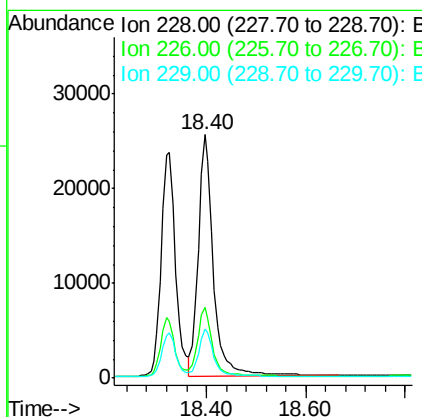
RT: 18.40 min Scan# 3162

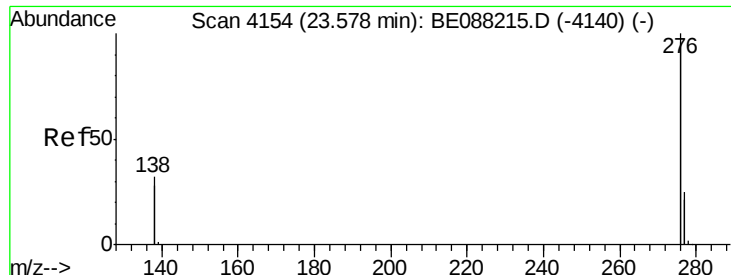
Delta R.T. 0.00 min

Lab File: BE088227.D

Acq: 25 Oct 2014 1:40

Tgt Ion:	228	Resp:	52577
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.3	34.9
229	19.9	15.6	23.4





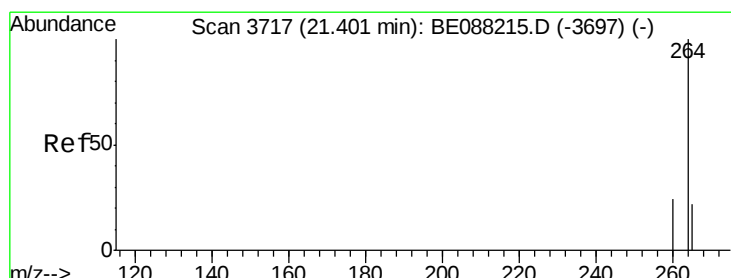
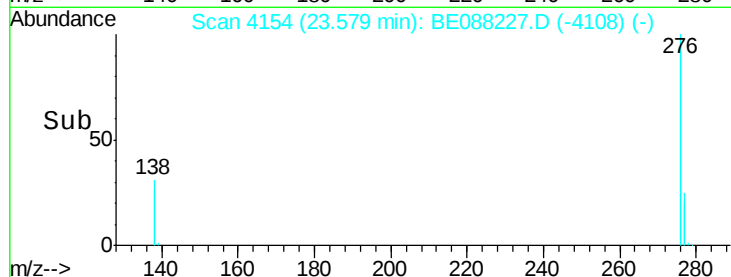
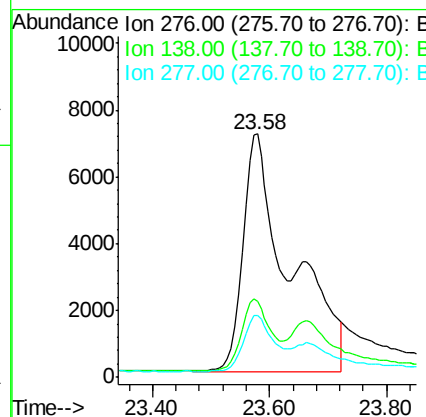
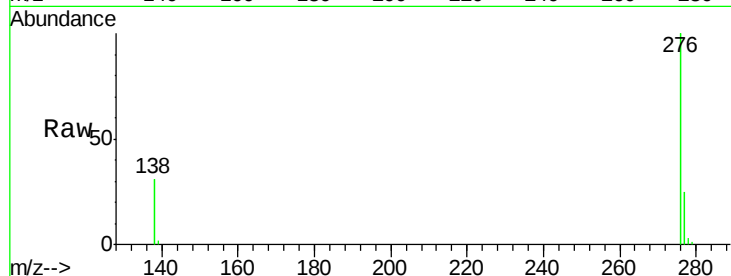
#21
Indeno(1,2,3-cd)pyrene
Concen: 1.01 ng m
RT: 23.58 min Scan# 4154
Delta R.T. 0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.3	13.9	20.9
277	15.2	10.7	16.1

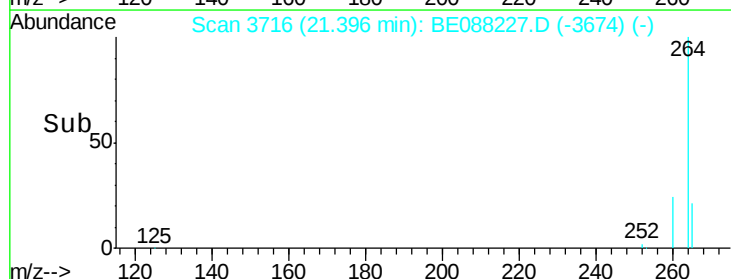
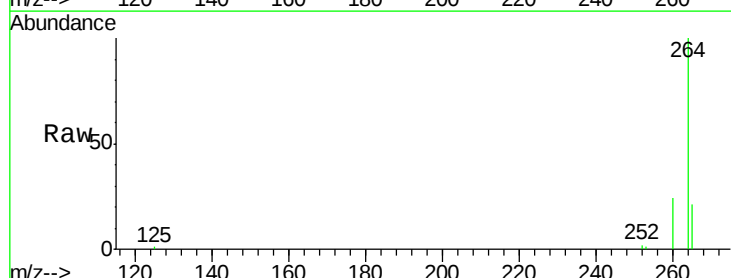
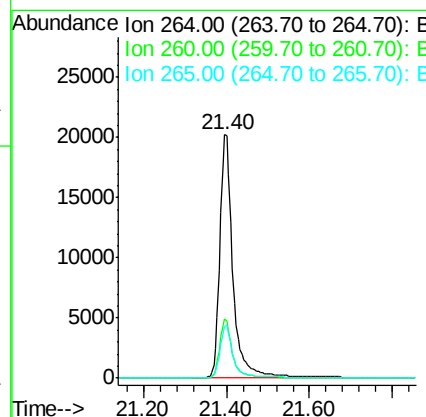
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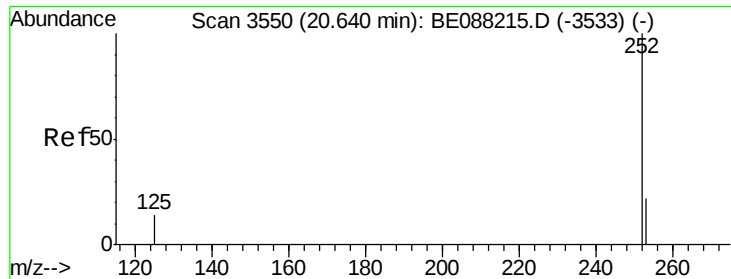
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3716
Delta R.T. -0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.0	17.4	26.2





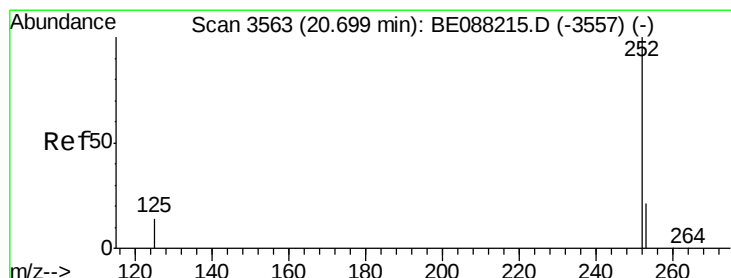
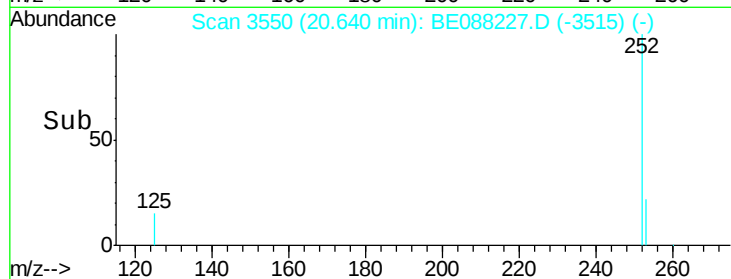
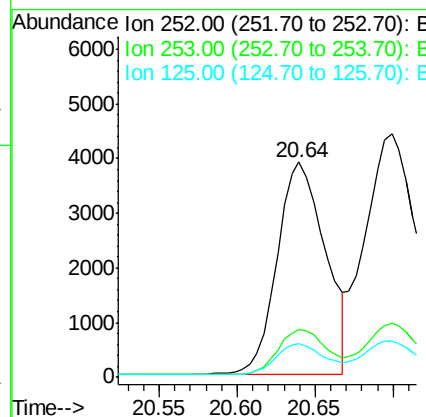
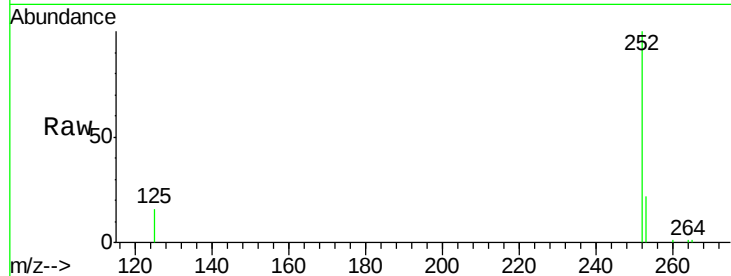
#23
Benzo(b)fluoranthene
Concen: 1.03 ng
RT: 20.64 min Scan# 3550
Delta R.T. -0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	15.6	12.2	18.2

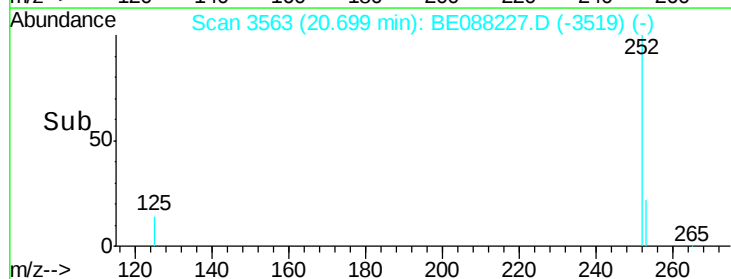
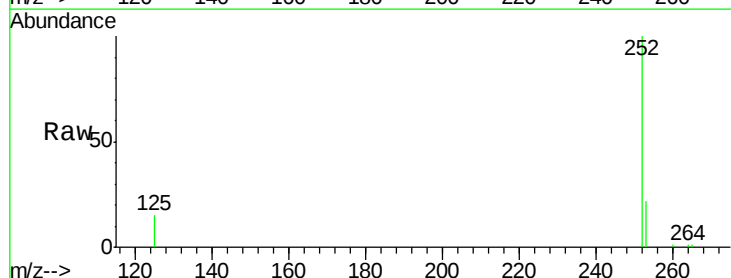
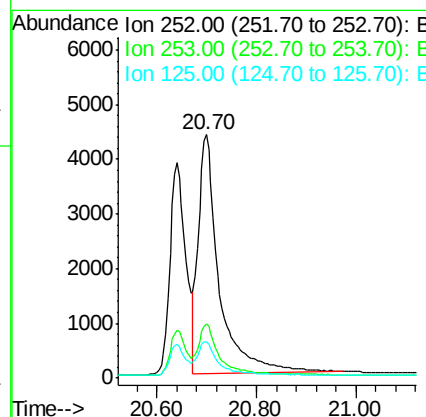
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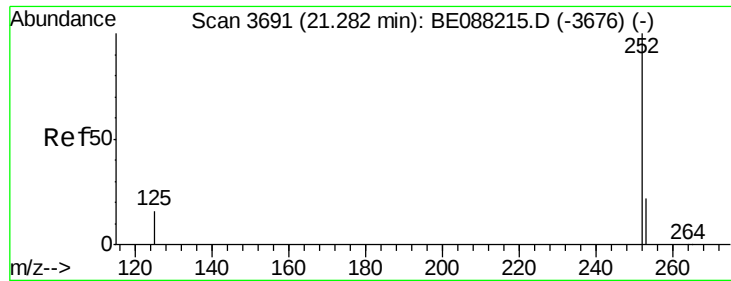
mohammad
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#24
Benzo(k)fluoranthene
Concen: 1.13 ng
RT: 20.70 min Scan# 3563
Delta R.T. -0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	15.0	12.1	18.1





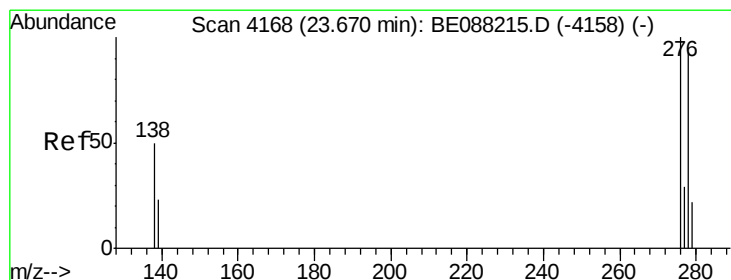
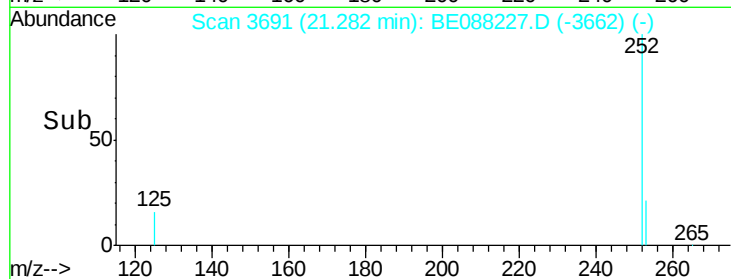
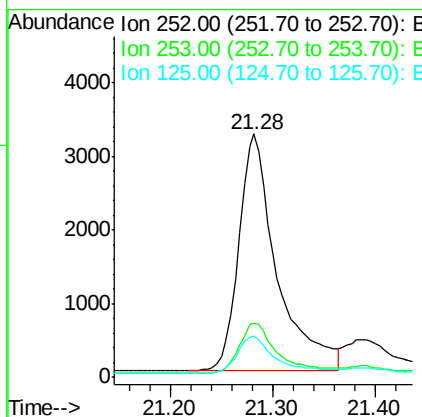
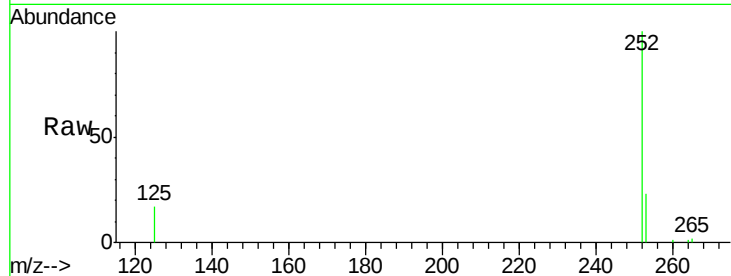
#25
Benzo(a)pyrene
Concen: 1.05 ng
RT: 21.28 min Scan# 3691
Delta R.T. -0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	17.2	13.5	20.3

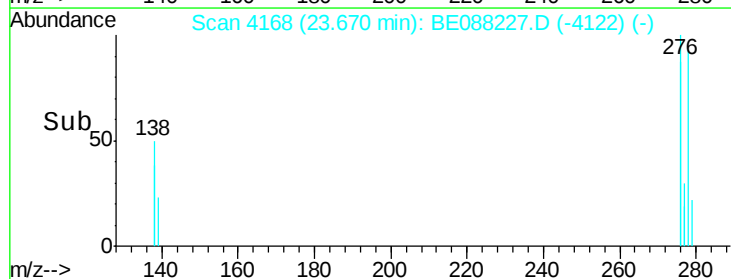
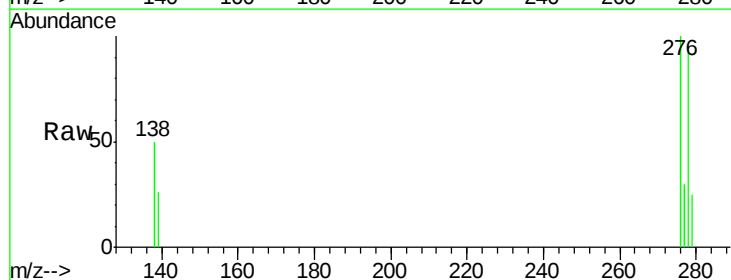
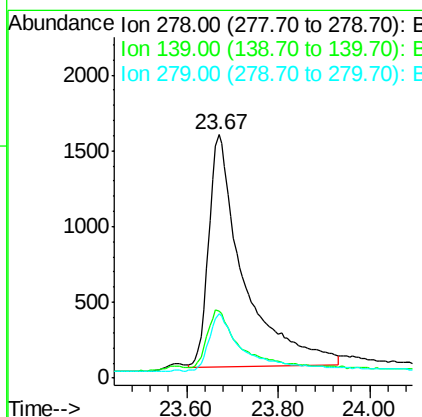
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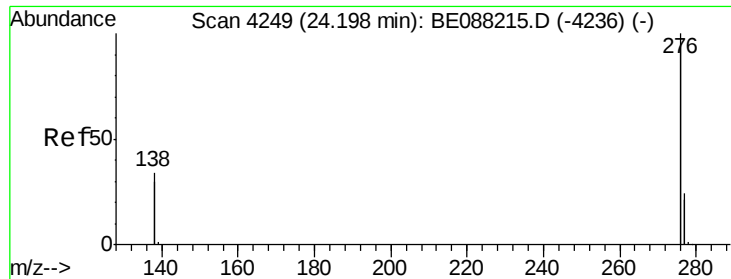
mohammad
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#26
Dibenzo(a,h)anthracene
Concen: 1.10 ng
RT: 23.67 min Scan# 4168
Delta R.T. 0.00 min
Lab File: BE088227.D
Acq: 25 Oct 2014 1:40

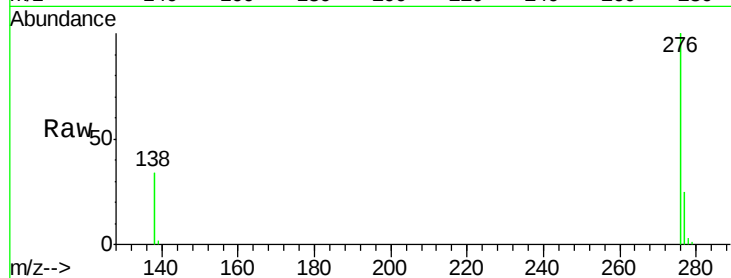
Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	22.1	33.1
279	26.4	20.2	30.2





#27
 Benzo(g,h,i)perylene
 Concen: 1.19 ng
 RT: 24.20 min Scan# 4249
 Delta R.T. 0.00 min
 Lab File: BE088227.D
 Acq: 25 Oct 2014 1:40

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.2
138	34.0	27.3	40.9

Manual Integrations
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