

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088160.D
 Acq On : 22 Oct 2014 1:54
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
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mohammad
 10/22/2014 1:55:26 PM

Quant Time: Oct 22 04:25:20 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	31672	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	122757	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	57106	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	81744	5.00	ng	0.00
16) Chrysene-d12	18.38	240	54054	5.00	ng	0.00
22) Perylene-d12	21.44	264	46314	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	8905	1.01	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	16480	1.04	ng	0.00
18) Terphenyl-d14	16.14	244	10316	1.19	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.34	88	4651	1.02	ng	99
5) Naphthalene	8.72	128	26273	1.04	ng	100
6) 2-Methylnaphthalene	9.58	142	16012	1.06	ng	99
9) Acenaphthylene	10.67	152	90835	1.04	ng	100
10) Acenaphthene	10.88	154	13904	1.04	ng	99
11) Fluorene	11.55	166	14543	1.02	ng	99
13) Phenanthrene	13.00	178	81402m	1.18	ng	
14) Anthracene	13.09	178	76111	1.19	ng	99
15) Fluoranthene	15.25	202	16223	1.04	ng	100
17) Pyrene	15.70	202	17618	1.20	ng	100
19) Benzo(a)anthracene	18.36	228	44288	0.92	ng	99
20) Chrysene	18.44	228	49016	1.04	ng	98
21) Indeno(1,2,3-cd)pyrene	23.64	276	44598m	0.85	ng	
23) Benzo(b)fluoranthene	20.68	252	9634	0.87	ng	99
24) Benzo(k)fluoranthene	20.74	252	11673	0.99	ng	99
25) Benzo(a)pyrene	21.32	252	8967	0.88	ng	100
26) Dibenzo(a,h)anthracene	23.73	278	8895	0.89	ng	100
27) Benzo(g,h,i)perylene	24.26	276	43367	0.99	ng	99

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

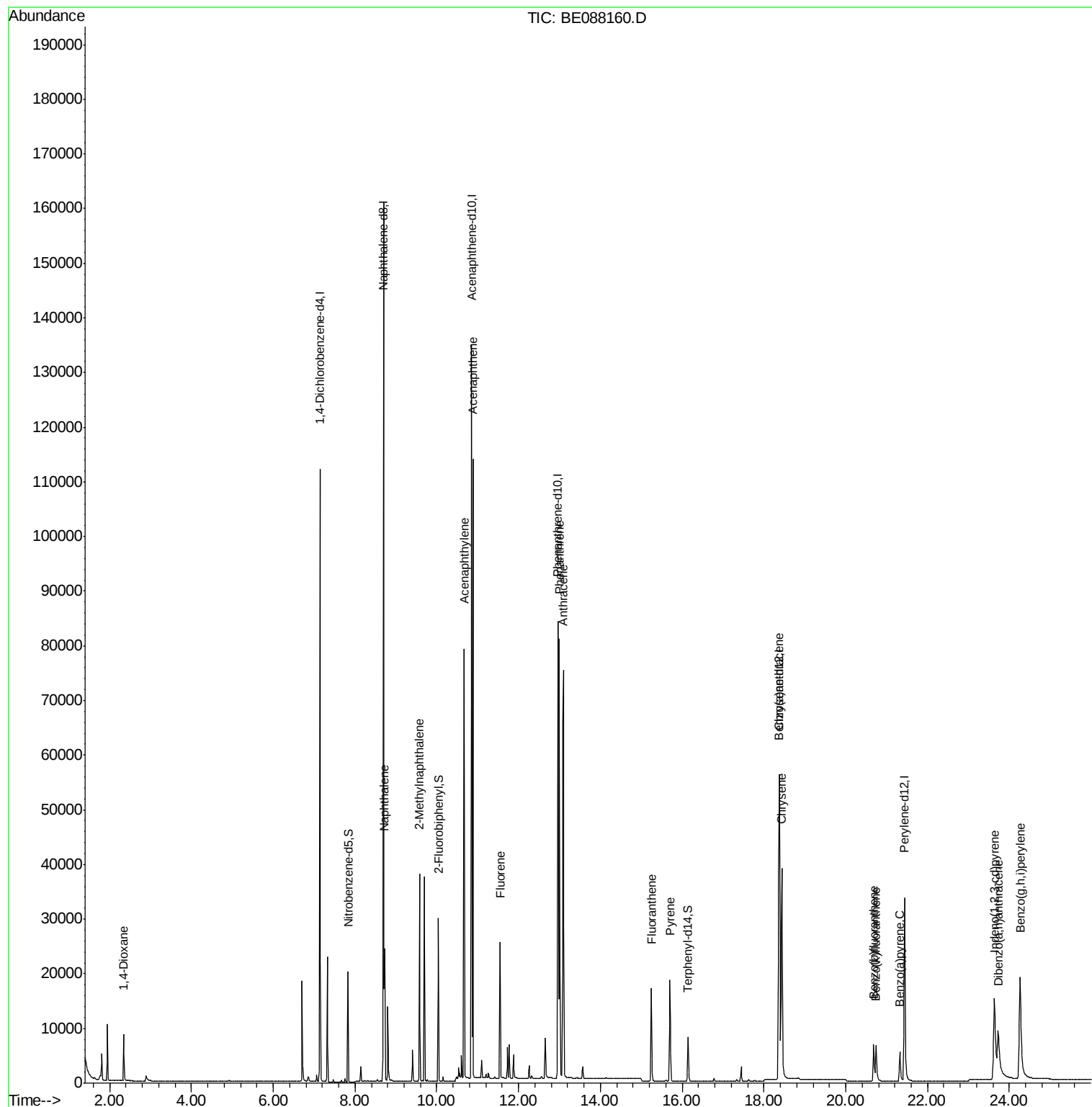
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
Data File : BE088160.D
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ALS Vial : 2 Sample Multiplier: 1

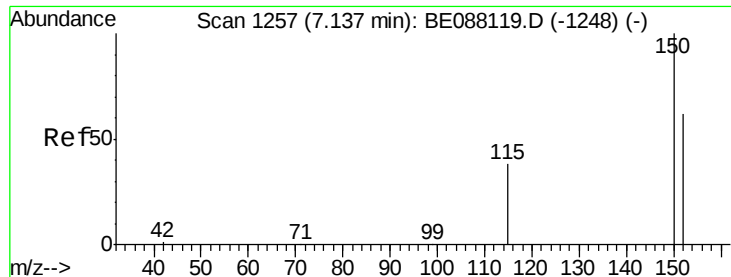
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088160.D

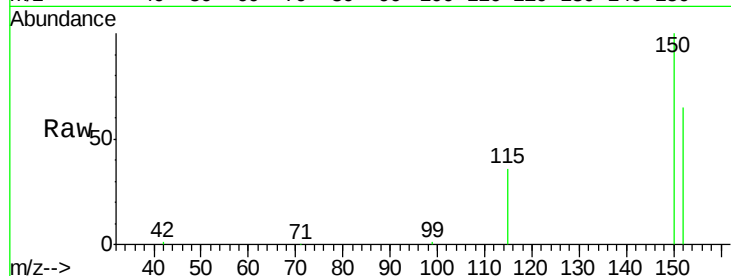
Acq: 22 Oct 2014 1:54

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001



Tgt Ion: 152 Resp: 31672

Ion Ratio Lower Upper

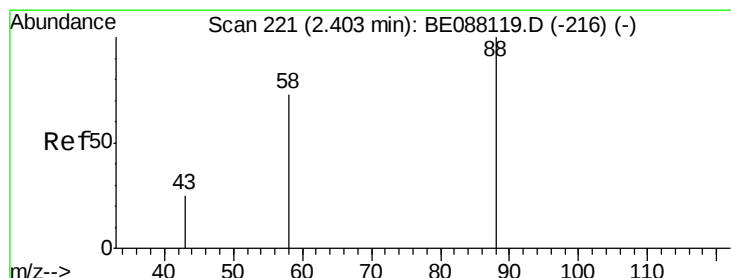
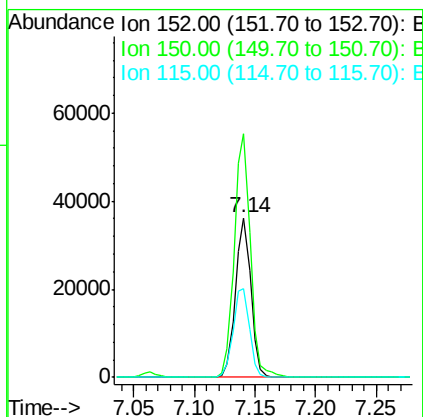
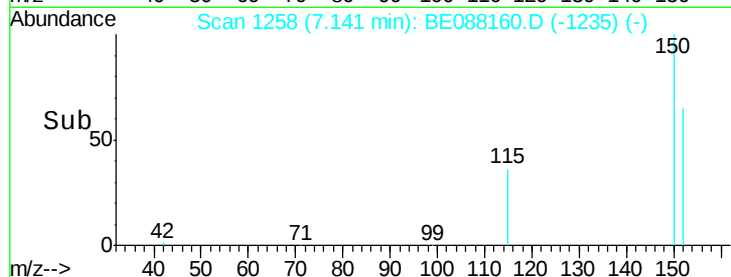
152 100

150 152.8 129.2 193.8

115 55.7 49.3 73.9

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#2

1,4-Dioxane

Concen: 1.02 ng

RT: 2.34 min Scan# 207

Delta R.T. -0.06 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

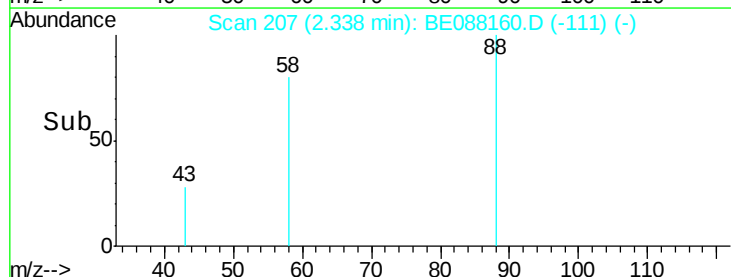
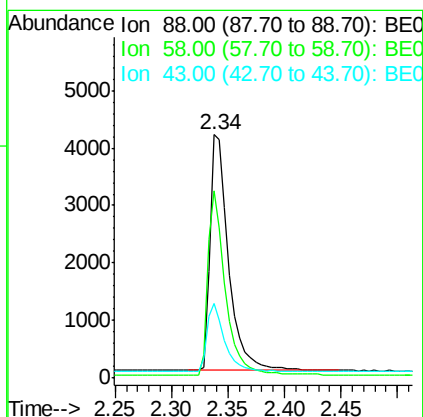
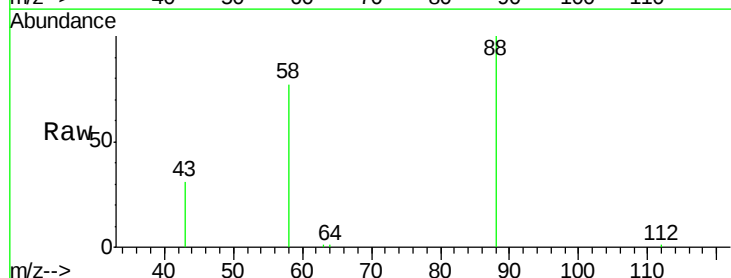
Tgt Ion: 88 Resp: 4651

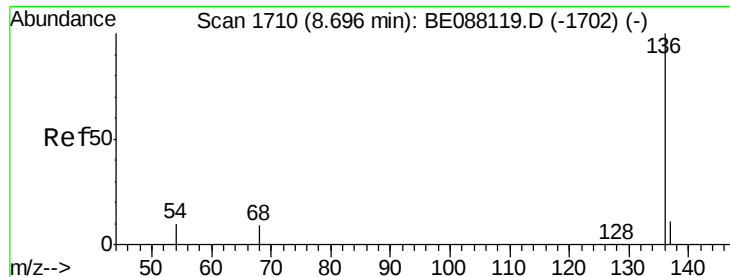
Ion Ratio Lower Upper

88 100

58 75.1 59.5 89.3

43 27.3 21.2 31.8





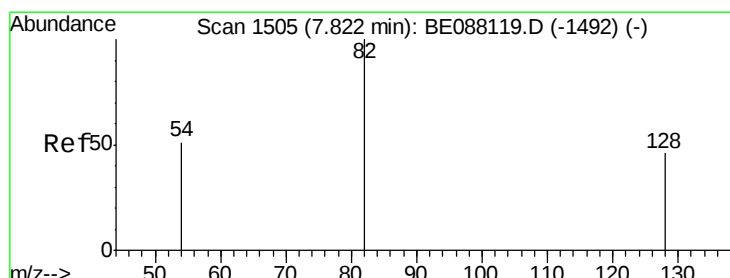
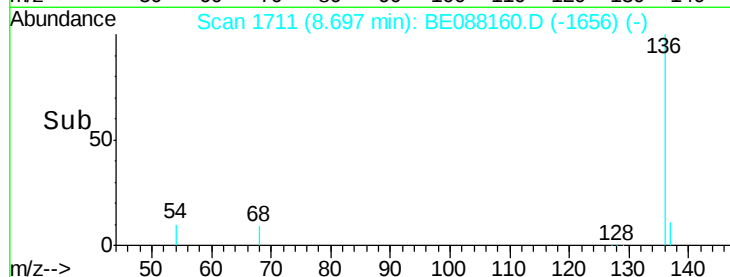
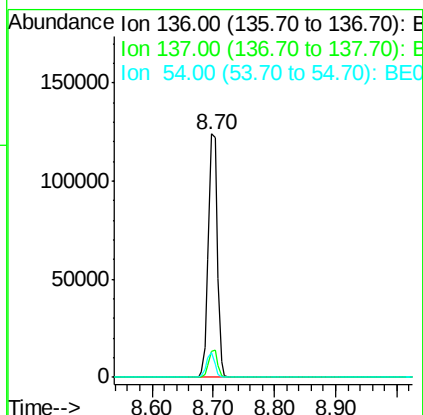
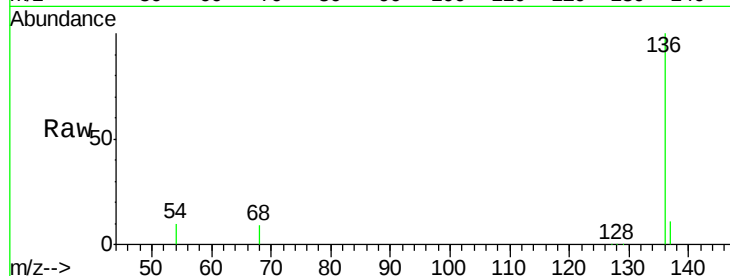
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088160.D
Acq: 22 Oct 2014 1:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	122757		
137	10.6	8.6	12.8	
54	10.1	7.7	11.5	

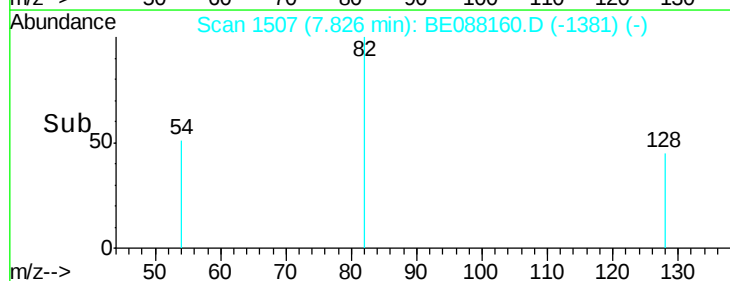
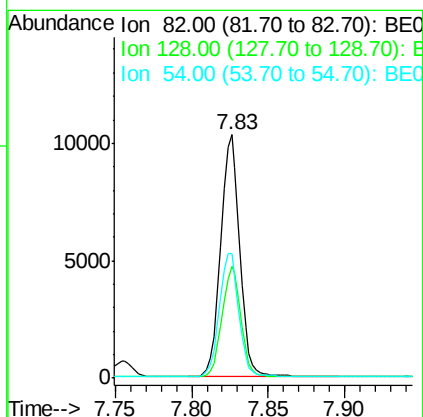
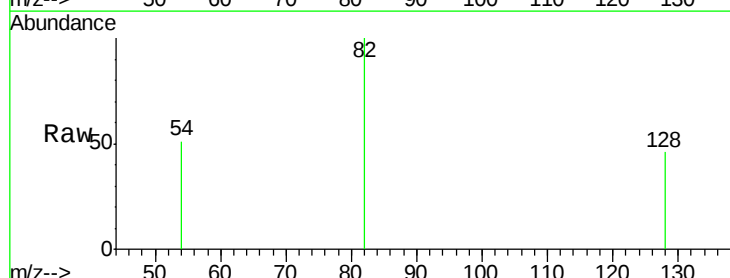
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#4
Nitrobenzene-d5
Concen: 1.01 ng
RT: 7.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE088160.D
Acq: 22 Oct 2014 1:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	8905		
128	45.7	37.1	55.7	
54	51.3	41.1	61.7	





#5

Naphthalene

Concen: 1.04 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

Instrument :

BNA_E

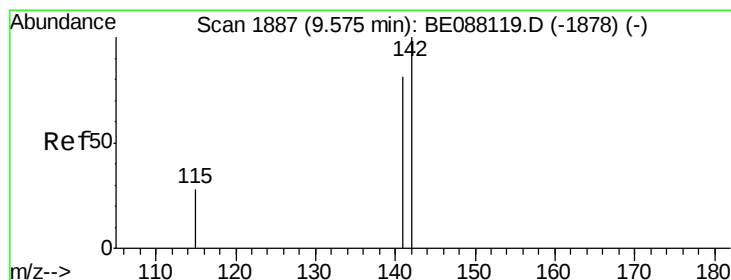
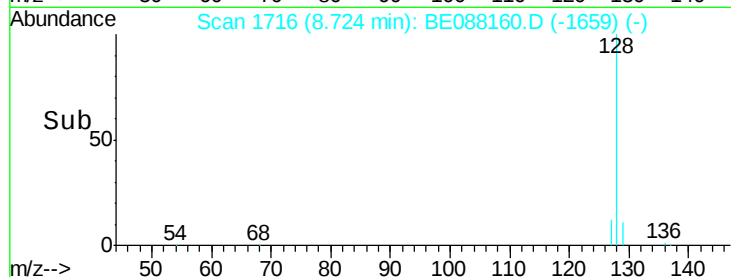
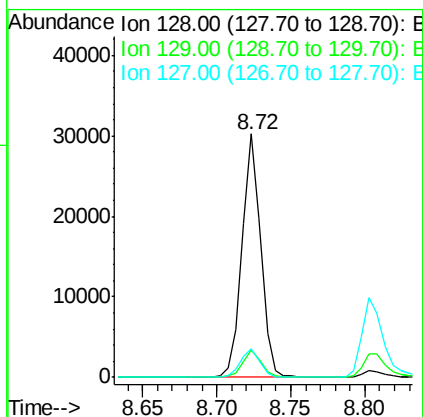
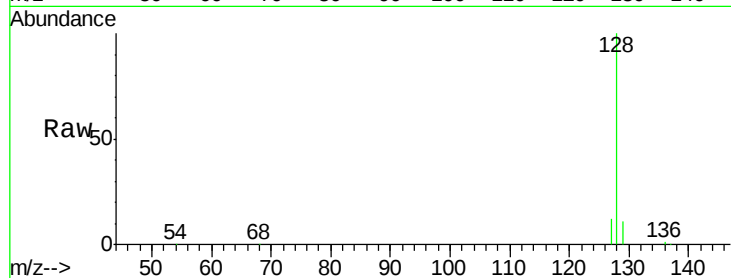
ClientSampleId :

SSTDCCC001

Tgt Ion:	128	Resp:	26273
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.9	13.3
127	11.9	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 1.06 ng

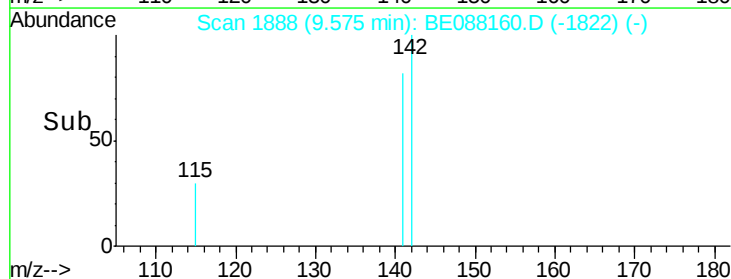
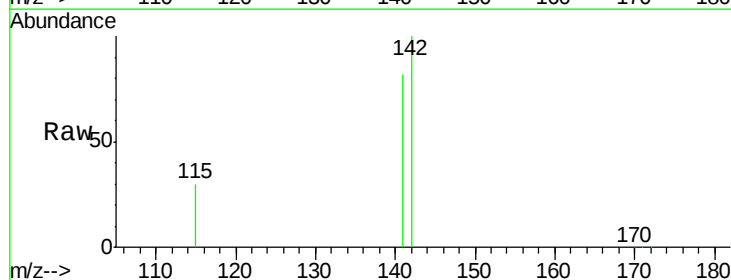
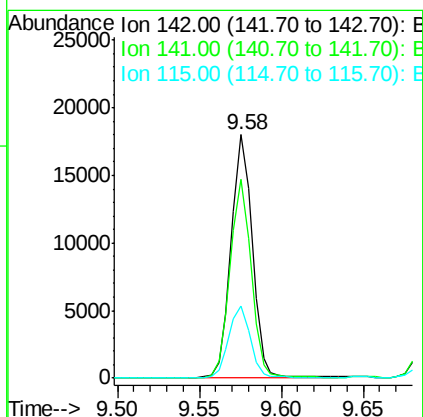
RT: 9.58 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

Tgt Ion:	142	Resp:	16012
Ion Ratio	Lower	Upper	
142	100		
141	81.7	64.6	97.0
115	29.8	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: BE088160.D

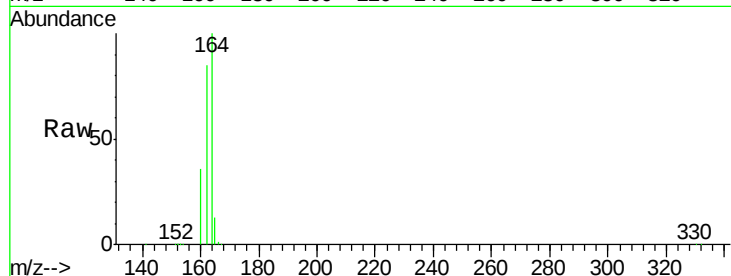
Acq: 22 Oct 2014 1:54

Instrument :

BNA_E

ClientSampleId :

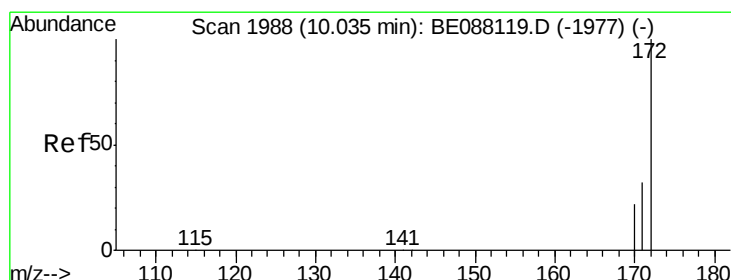
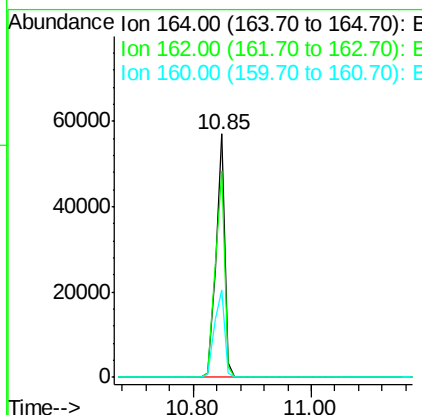
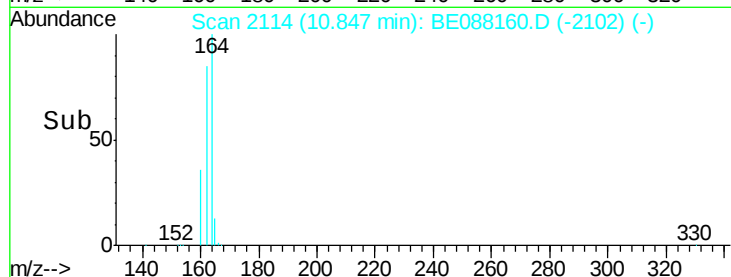
SSTDCCC001



Tgt Ion:	164	Resp:	57106
Ion Ratio	Lower	Upper	
164	100		
162	84.9	68.3	102.5
160	36.1	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 1.04 ng

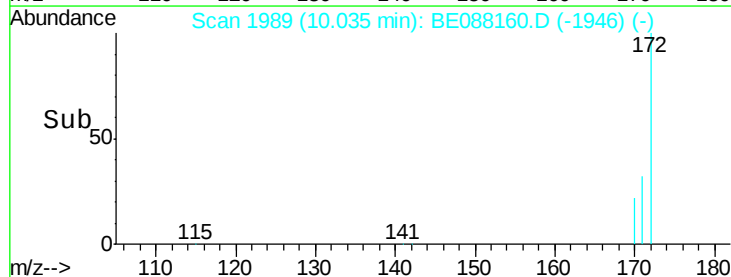
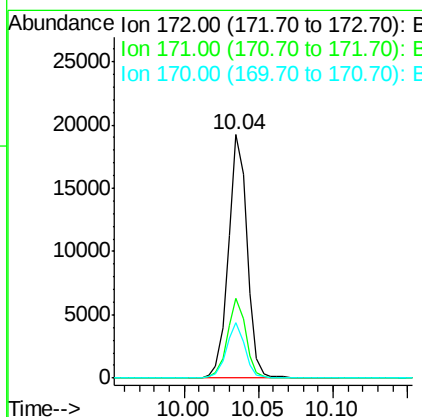
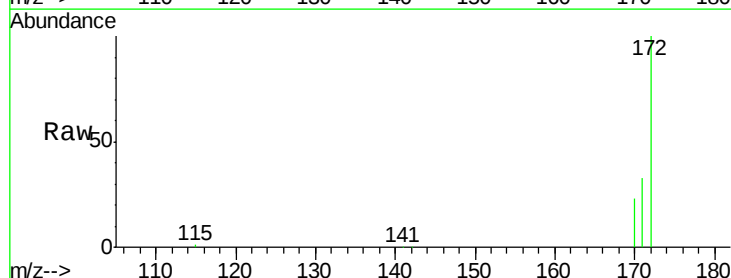
RT: 10.04 min Scan# 1989

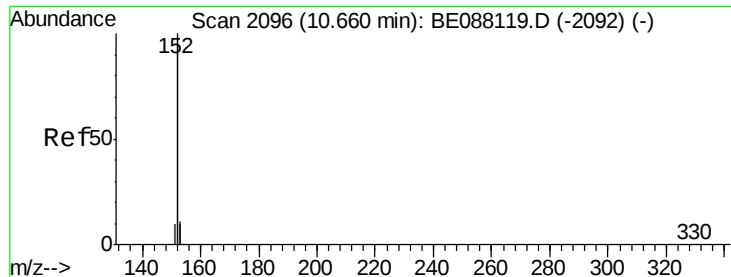
Delta R.T. 0.00 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

Tgt Ion:	172	Resp:	16480
Ion Ratio	Lower	Upper	
172	100		
171	32.6	25.4	38.2
170	22.7	17.4	26.2





#9

Acenaphthylene

Concen: 1.04 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

Instrument :

BNA_E

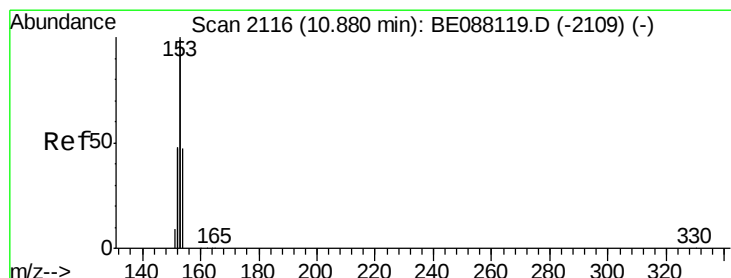
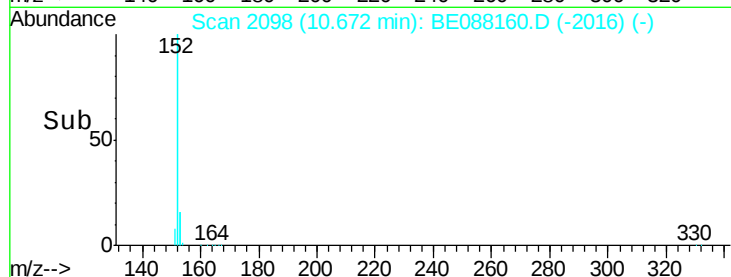
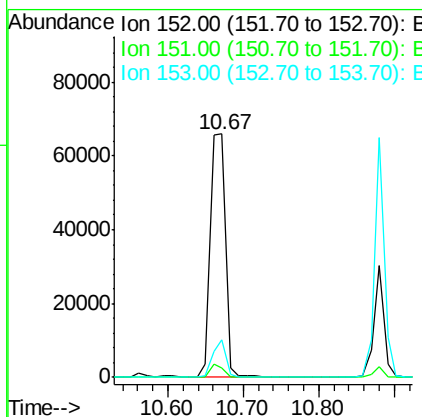
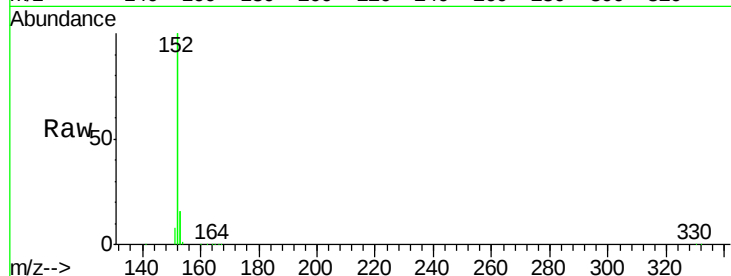
ClientSampleId :

SSTDCCC001

Tgt Ion:	152	Resp:	90835
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: 1.04 ng

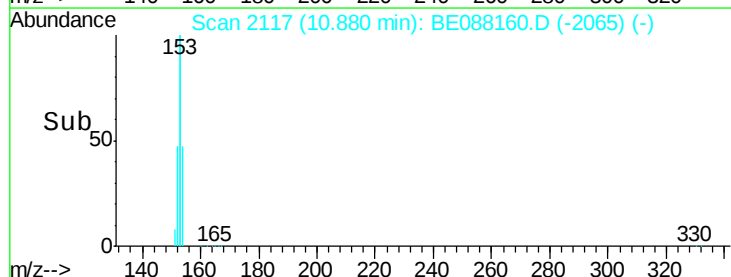
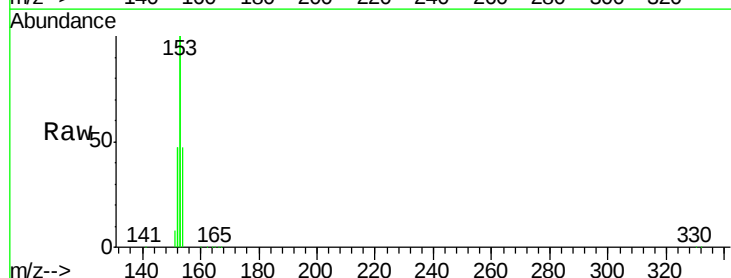
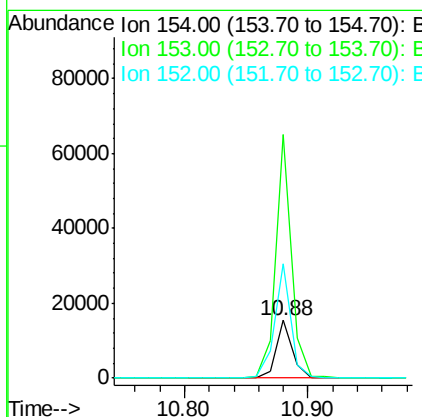
RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

Tgt Ion:	154	Resp:	13904
Ion Ratio	Lower	Upper	
154	100		
153	407.6	327.8	491.6
152	194.1	157.6	236.4





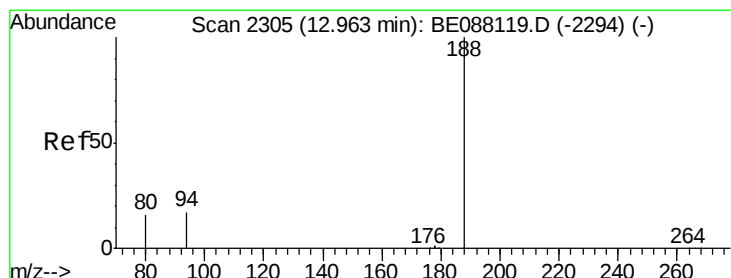
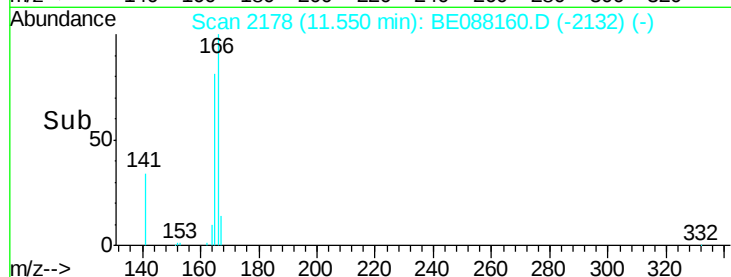
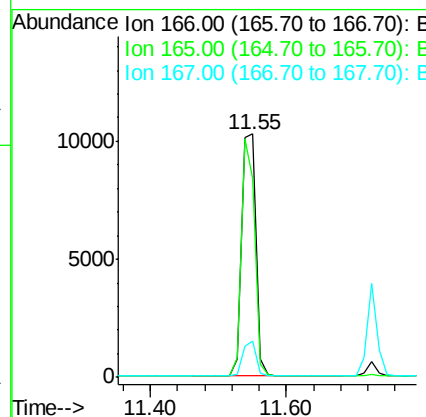
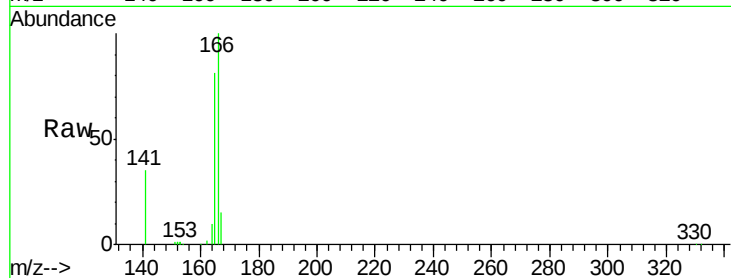
#11
Fluorene
 Concen: 1.02 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BE088160.D
 Acq: 22 Oct 2014 1:54

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.5	71.4	107.2
167	13.6	10.6	16.0

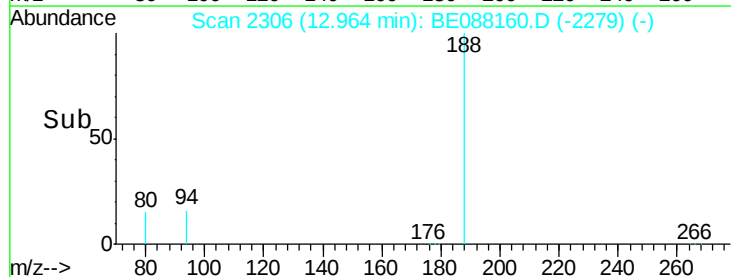
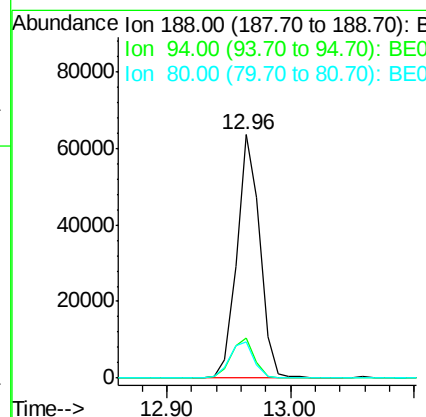
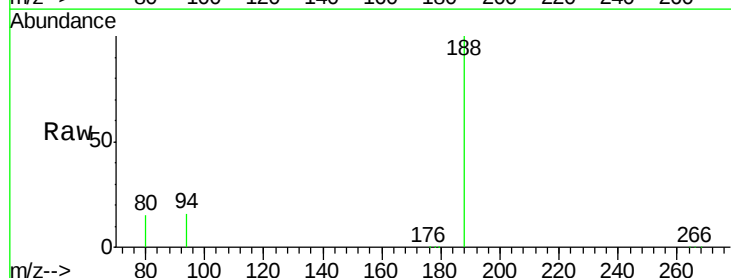
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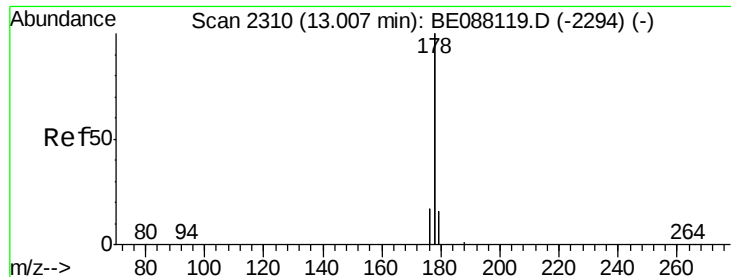
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BE088160.D
 Acq: 22 Oct 2014 1:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	16.3	13.9	20.9
80	15.1	12.9	19.3





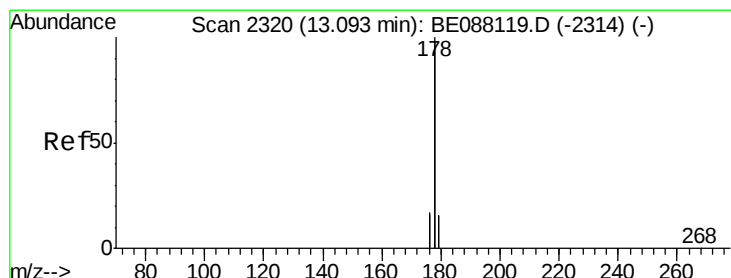
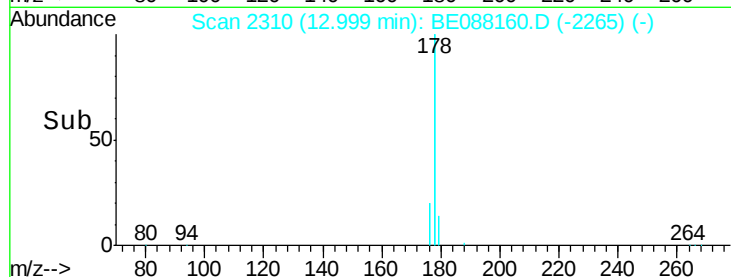
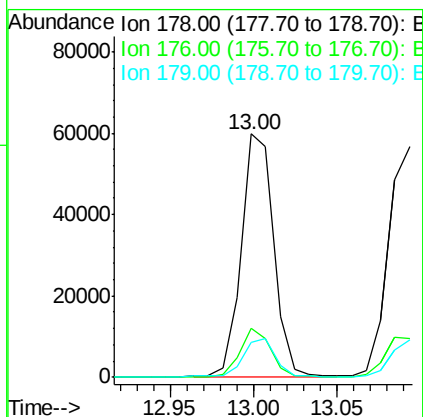
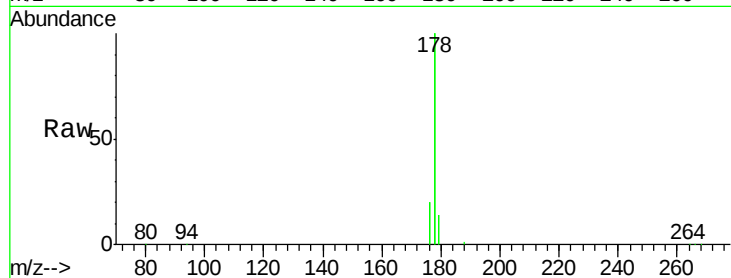
#13
Phenanthrene
Concen: 1.18 ng m
RT: 13.00 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BE088160.D
Acq: 22 Oct 2014 1:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	12.5	18.7
179	15.3	13.5	20.3

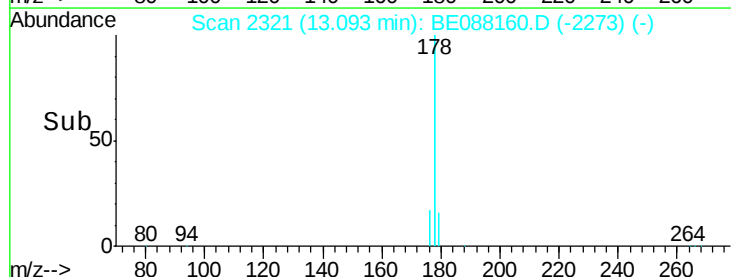
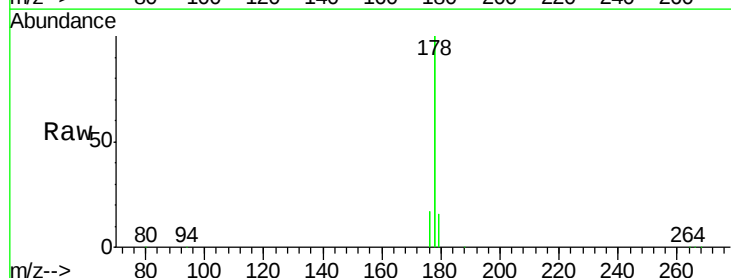
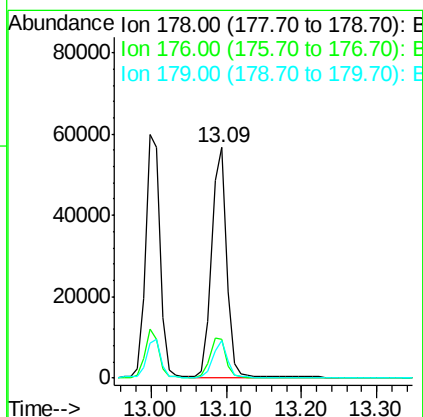
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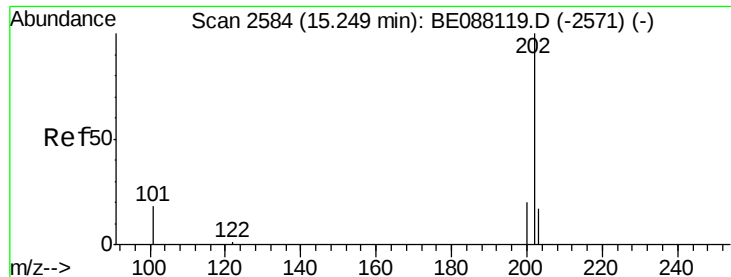
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#14
Anthracene
Concen: 1.19 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088160.D
Acq: 22 Oct 2014 1:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	16.4	12.5	18.7





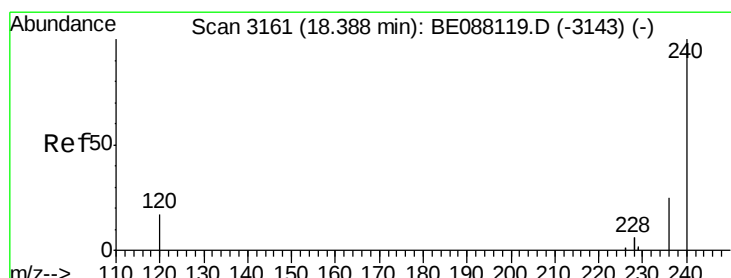
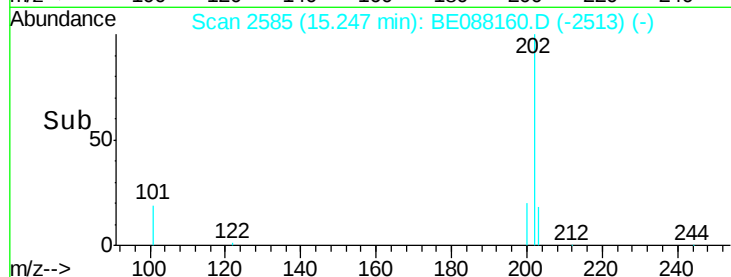
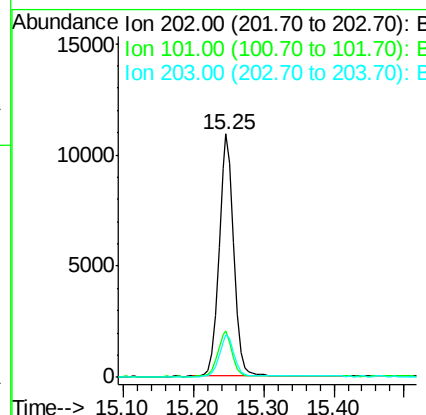
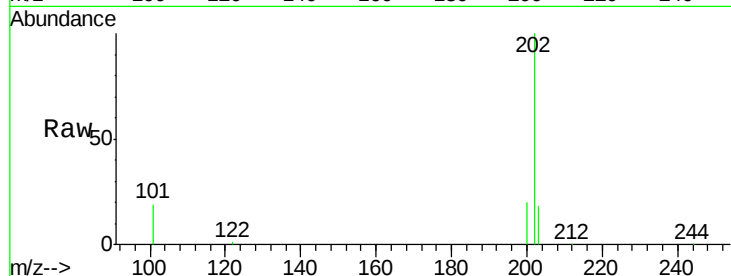
#15
 Fluoranthene
 Concen: 1.04 ng
 RT: 15.25 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: BE088160.D
 Acq: 22 Oct 2014 1:54

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

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

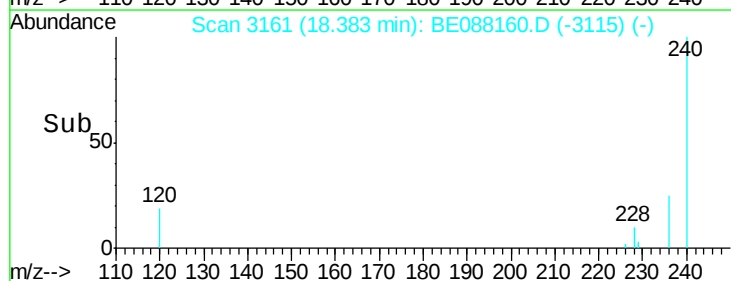
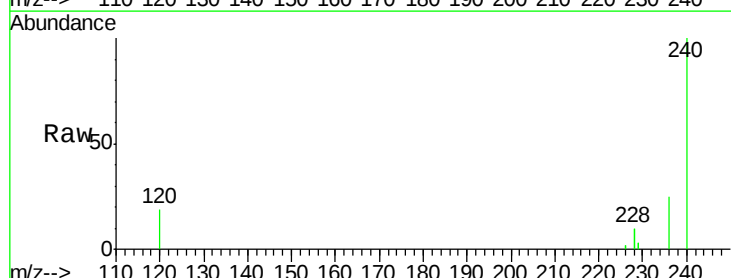
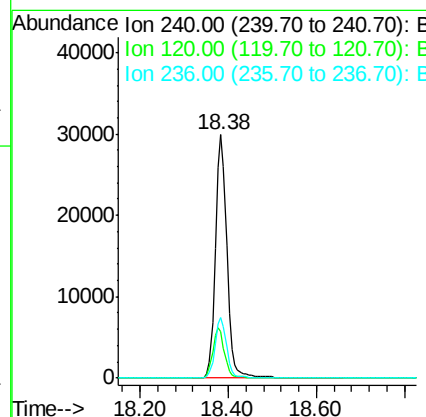
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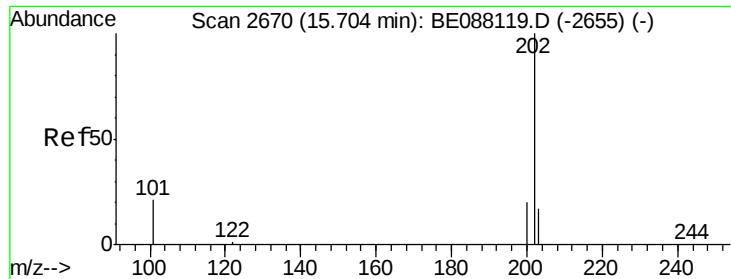
mohammad
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.38 min Scan# 3161
 Delta R.T. -0.00 min
 Lab File: BE088160.D
 Acq: 22 Oct 2014 1:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	18.9	13.9	20.9
236	25.1	19.9	29.9





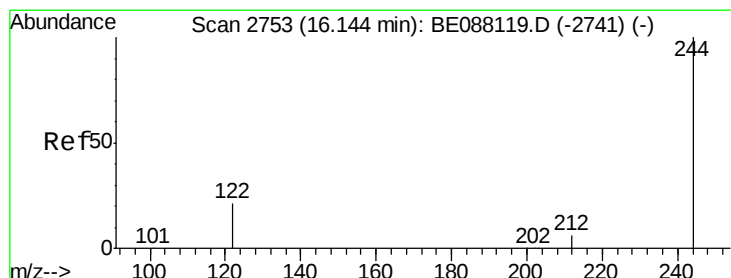
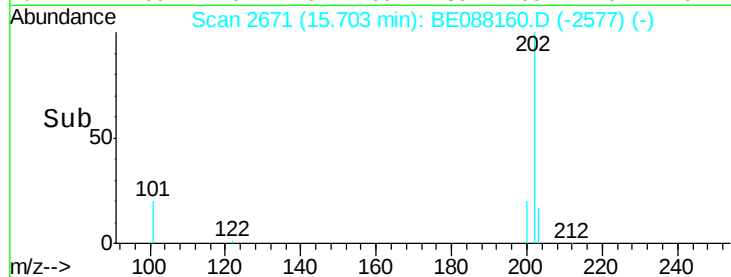
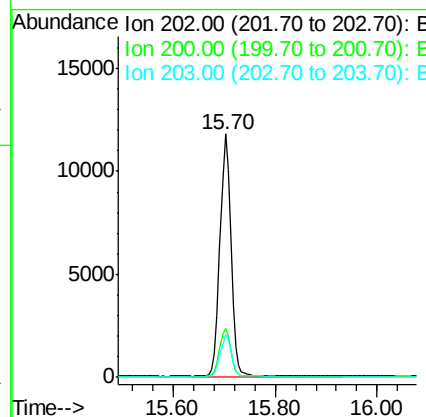
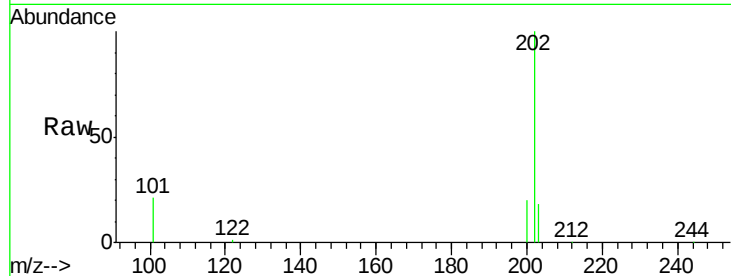
#17
 Pyrene
 Concen: 1.20 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088160.D
 Acq: 22 Oct 2014 1:54

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.0	16.1	24.1
203	17.2	13.9	20.9

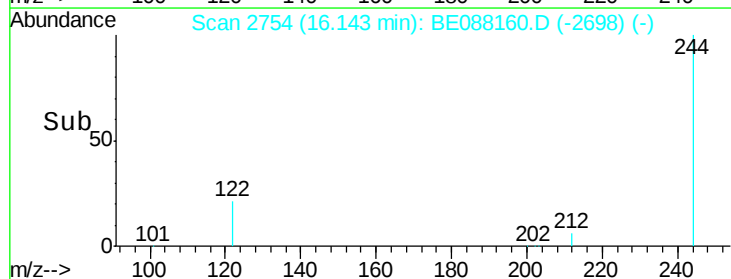
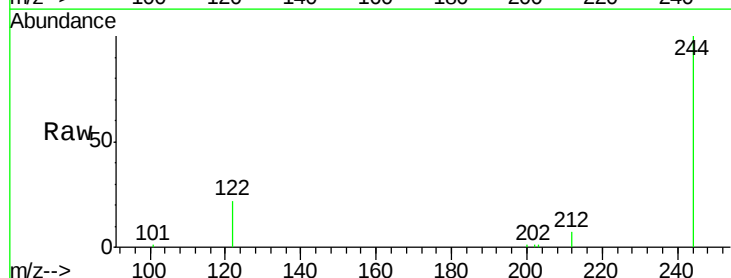
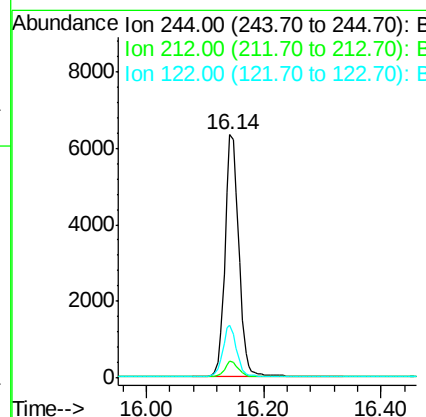
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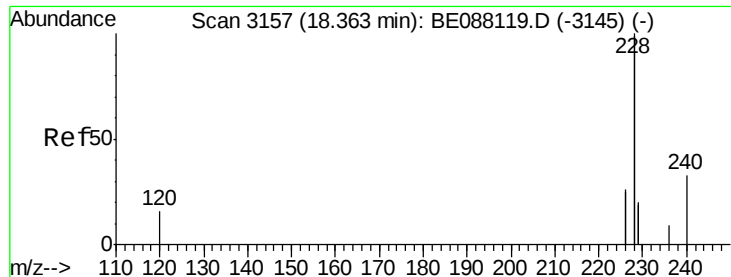
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#18
 Terphenyl-d14
 Concen: 1.19 ng
 RT: 16.14 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE088160.D
 Acq: 22 Oct 2014 1:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.4	8.0
122	21.6	17.5	26.3





#19

Benzo(a)anthracene

Concen: 0.92 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088160.D

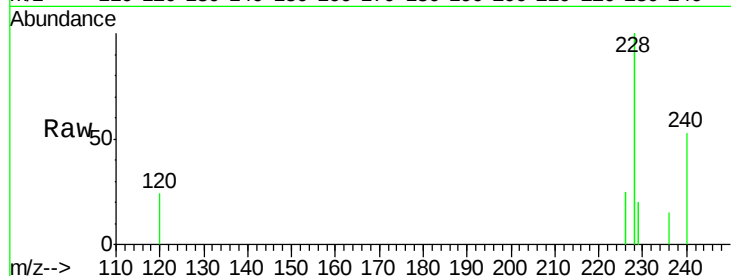
Acq: 22 Oct 2014 1:54

Instrument :

BNA_E

ClientSampleId :

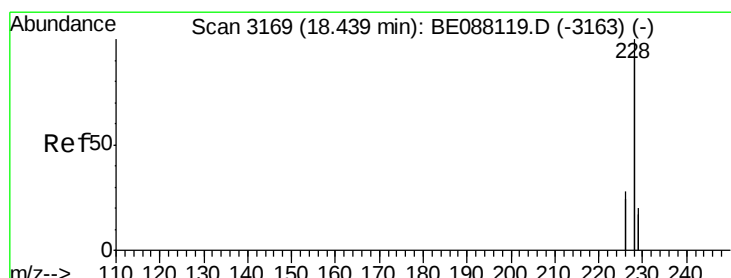
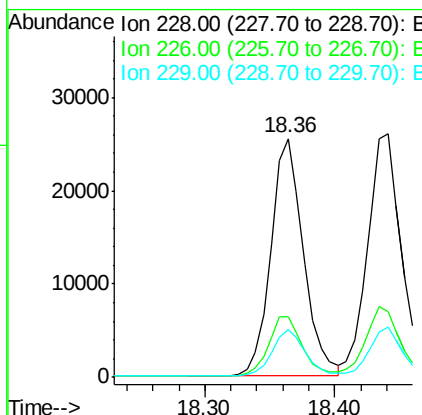
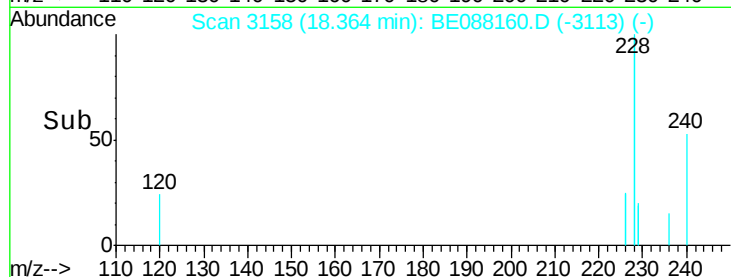
SSTDCCC001



Tgt Ion:	228	Resp:	44288
Ion Ratio	Lower	Upper	
228	100		
226	25.4	20.8	31.2
229	20.0	15.6	23.4

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#20

Chrysene

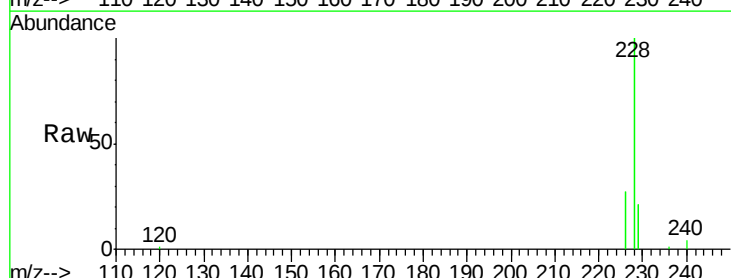
Concen: 1.04 ng

RT: 18.44 min Scan# 3170

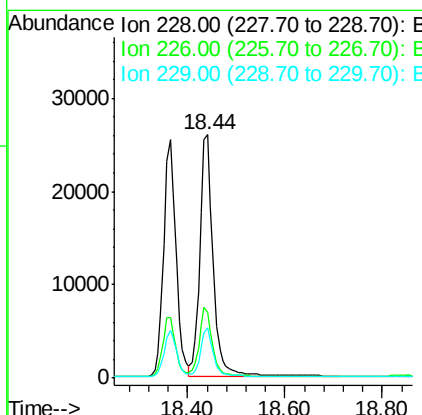
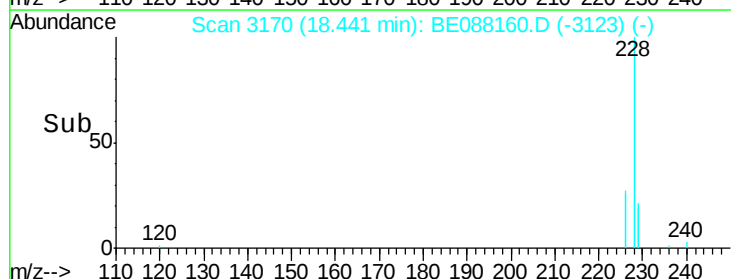
Delta R.T. 0.00 min

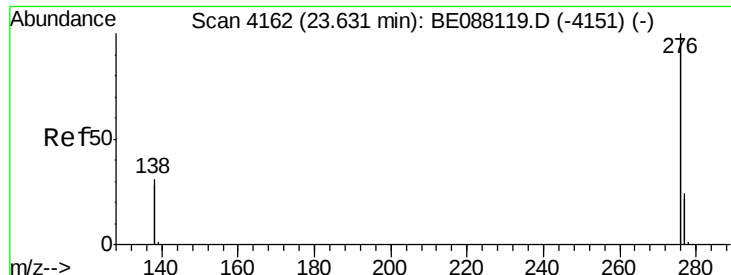
Lab File: BE088160.D

Acq: 22 Oct 2014 1:54



Tgt Ion:	228	Resp:	49016
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.7	34.1
229	20.6	15.8	23.6





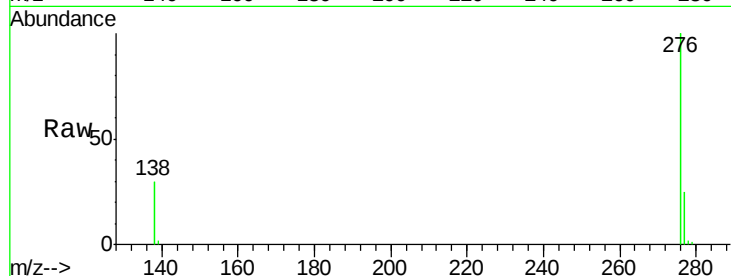
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.85 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088160.D
Acq: 22 Oct 2014 1:54

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

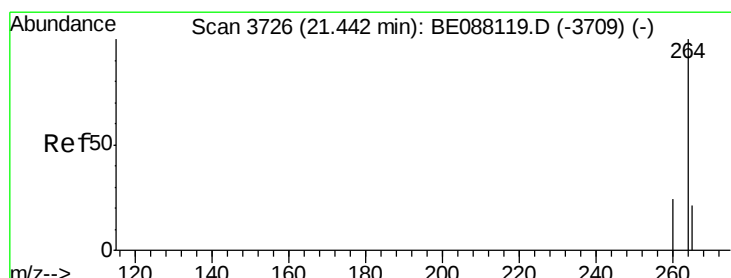
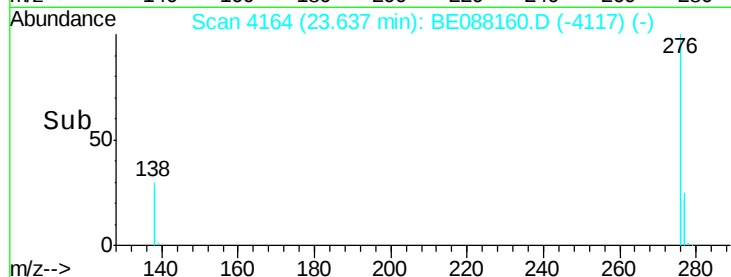
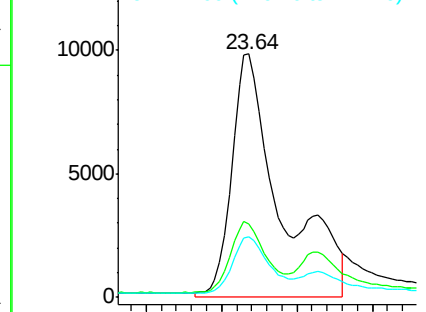
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	18.5	27.7
277	17.3	14.6	21.8

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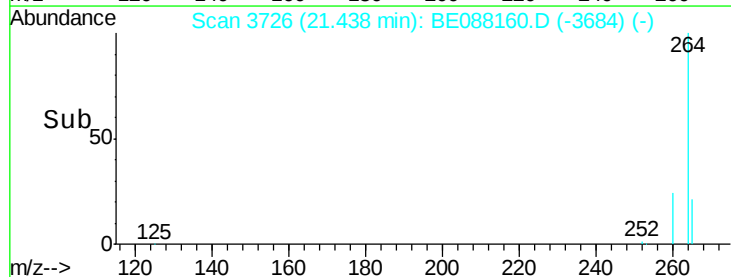
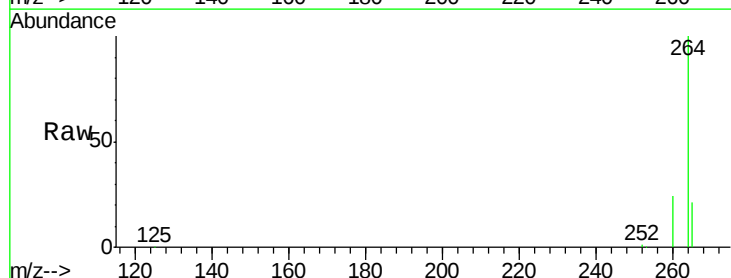
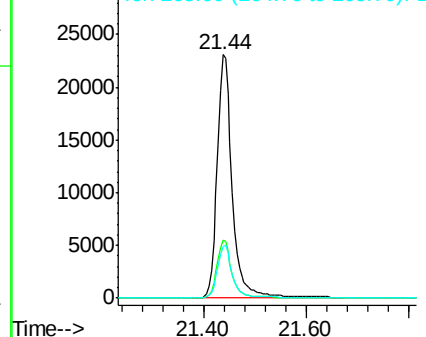
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

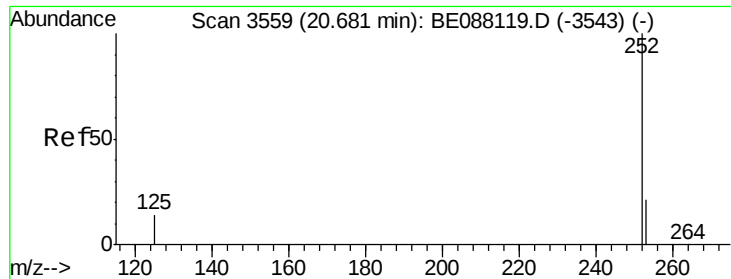


#22
Perylene-d12
Concen: 5.00 ng
RT: 21.44 min Scan# 3726
Delta R.T. -0.00 min
Lab File: BE088160.D
Acq: 22 Oct 2014 1:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.3	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.87 ng

RT: 20.68 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

Instrument :

BNA_E

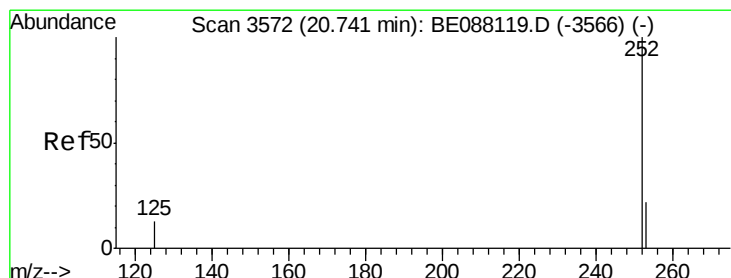
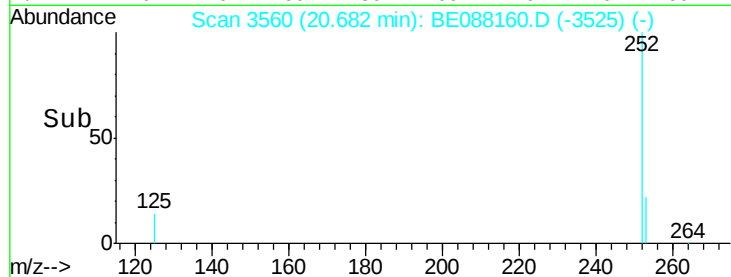
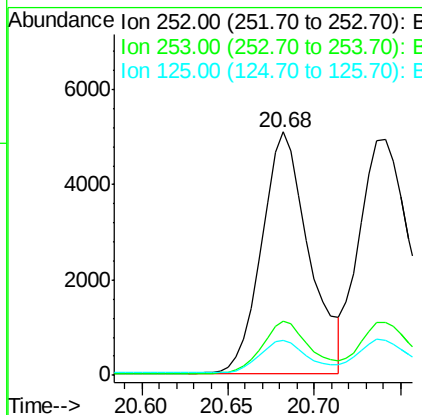
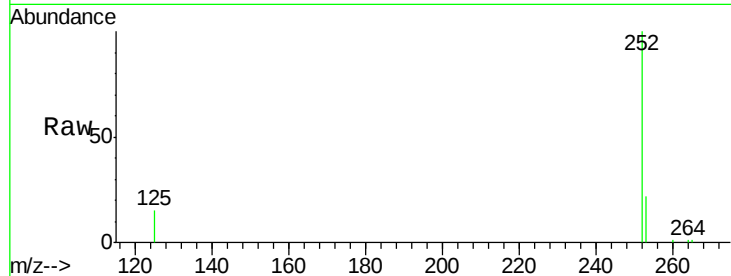
ClientSampleId :

SSTDCCC001

Tgt Ion:	252	Resp:	9634
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	14.6	11.8	17.8

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#24

Benzo(k)fluoranthene

Concen: 0.99 ng

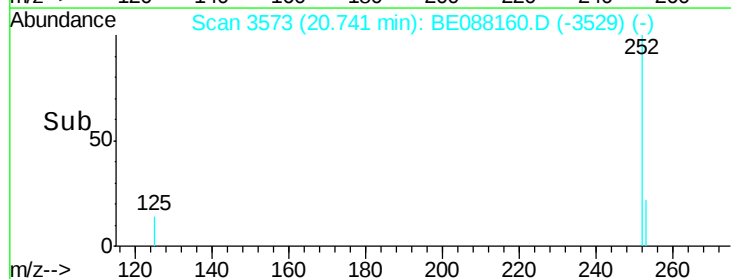
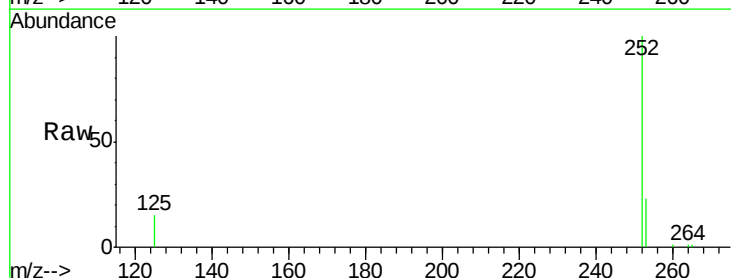
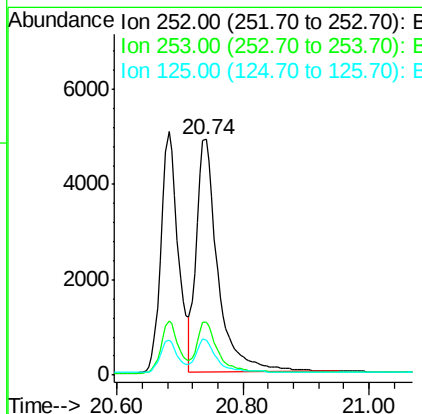
RT: 20.74 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

Tgt Ion:	252	Resp:	11673
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	14.9	11.5	17.3





#25

Benzo(a)pyrene

Concen: 0.88 ng

RT: 21.32 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BE088160.D

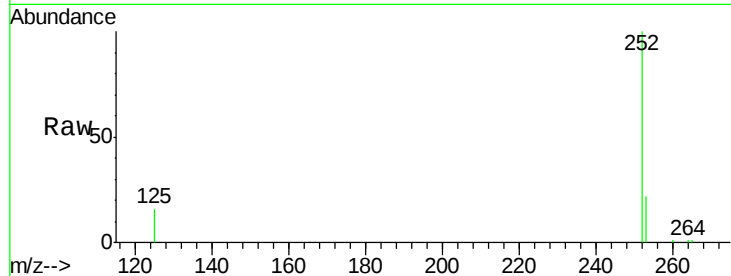
Acq: 22 Oct 2014 1:54

Instrument :

BNA_E

ClientSampleId :

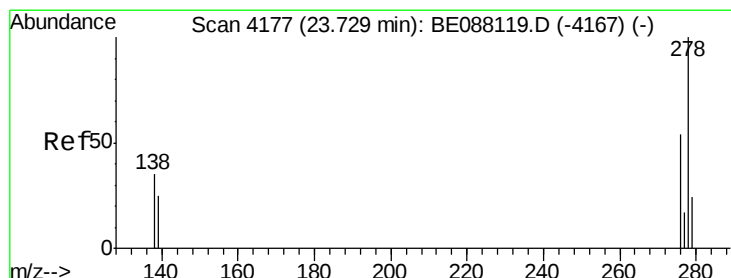
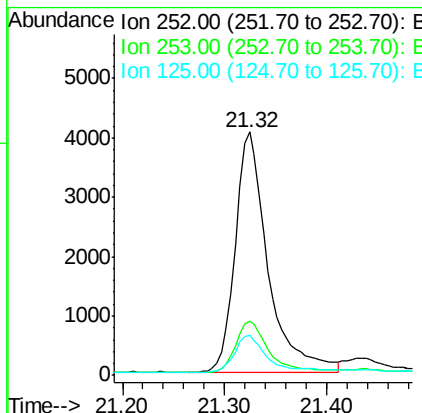
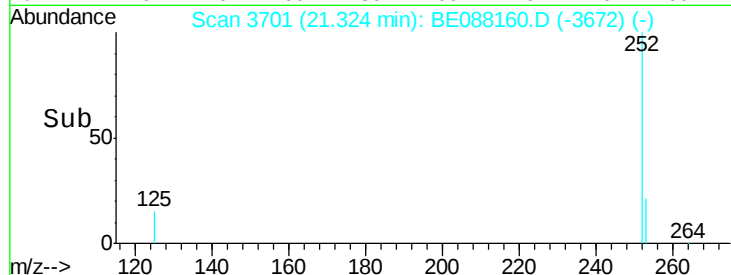
SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	16.3	13.0	19.6

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#26

Dibenzo(a,h)anthracene

Concen: 0.89 ng

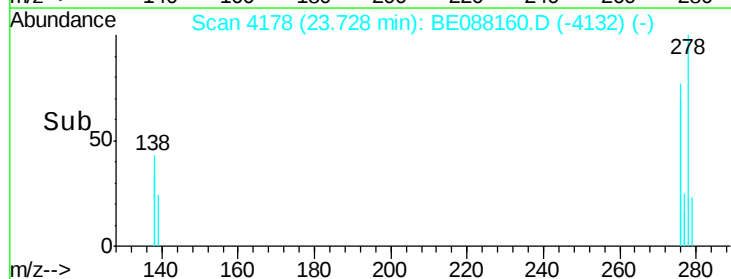
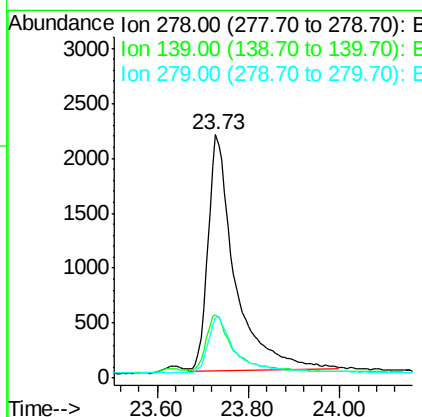
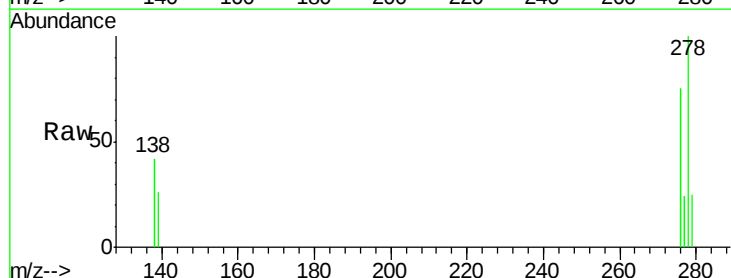
RT: 23.73 min Scan# 4178

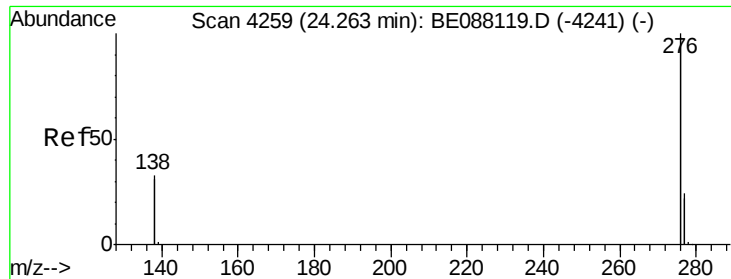
Delta R.T. -0.00 min

Lab File: BE088160.D

Acq: 22 Oct 2014 1:54

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





#27
 Benzo(g,h,i)perylene
 Concen: 0.99 ng
 RT: 24.26 min Scan# 4260
 Delta R.T. -0.00 min
 Lab File: BE088160.D
 Acq: 22 Oct 2014 1:54

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		43367		
277	24.7	19.2	28.8		
138	33.2	26.6	40.0		

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