Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
Data File : BE090378.D
Acq On : 6 Aug 2015 6:08
Operator : TP/UM
Sample : SSTDCCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:11:02 AM

Quant Time: Aug 06 13:38:45 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 02:22:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	20267	5.00	ng		0.00
6) Naphthalene-d8	10.34	136	89646	5.00	ng		0.00
12) Acenaphthene-d10	14.20	164	49696	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	115390	5.00	ng		0.00
25) Chrysene-d12	21.10	240	139861	5.00	ng		0.00
32) Perylene-d12	23.40	264	121181	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	3122	1.06	ng		0.00
5) Phenol-d6	6.77	99	4844	0.96	ng		0.00
7) Nitrobenzene-d5	8.73	82	5669	0.95	ng		0.00
13) 2,4,6-Tribromophenol	15.71	330	838	1.02	ng		0.00
14) 2-Fluorobiphenyl	12.82	172	14388	1.05	ng		0.00
27) Terphenyl-d14	19.56	244	21118	1.02	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.20	88	2912	1.11	ng		96
3) n-Nitrosodimethylamine	3.49	42	3137	1.00	ng	#	96
8) Nitrobenzene	8.78	77	5646	0.90	ng		100
9) Naphthalene	10.39	128	19830	1.00	ng		98
10) Hexachlorobutadiene	10.69	225	3489	1.11	ng		100
11) 2-Methylnaphthalene	12.01	142	11706	1.02	ng		97
15) Acenaphthylene	13.91	152	82512	1.03	ng		100
16) Acenaphthene	14.26	154	12600	1.01	ng		96
17) Fluorene	15.26	166	16653	1.02	ng		98
19) 4-Bromophenyl-phenylether	16.14	248	4707	1.05	ng		96
20) Hexachlorobenzene	16.27	284	23713	1.02	ng		100
21) Pentachlorophenol	16.61	266	1025	1.28	ng		97
22) Phenanthrene	16.98	178	29495	1.02	ng		99
23) Anthracene	17.07	178	24049	1.01	ng		99
24) Fluoranthene	18.99	202	29408	1.03	ng		100
26) Pyrene	19.35	202	30816	1.02	ng		100
28) Benzo(a)anthracene	21.08	228	30759	0.99	ng		99
29) Chrysene	21.13	228	36380	0.97	ng		99
30) Bis(2-ethylhexyl)phthalate	21.03	149	6270	0.90	ng		99
31) Indeno(1,2,3-cd)pyrene	25.79	276	23767	0.92	ng		98
33) Benzo(b)fluoranthene	22.70	252	23774	1.03	ng		98
34) Benzo(k)fluoranthene	22.75	252	32502	0.98	ng		99
35) Benzo(a)pyrene	23.30	252	20617	0.99	ng		98
36) Dibenzo(a,h)anthracene	25.81	278	17891	0.95	ng		98
37) Benzo(g,h,i)perylene	26.52	276	22421	1.01	ng		98

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

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Operator : TP/UM
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Misc :
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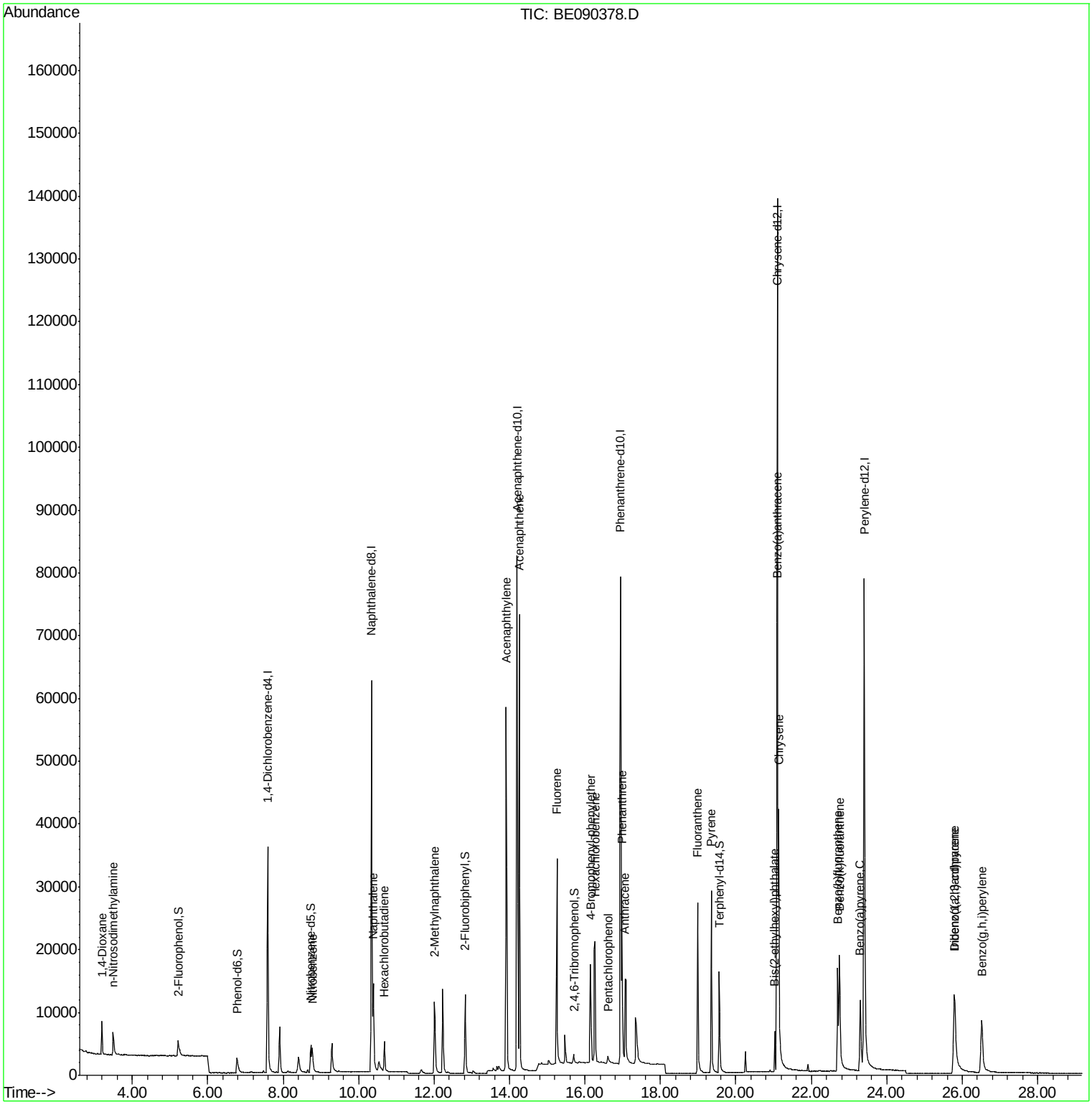
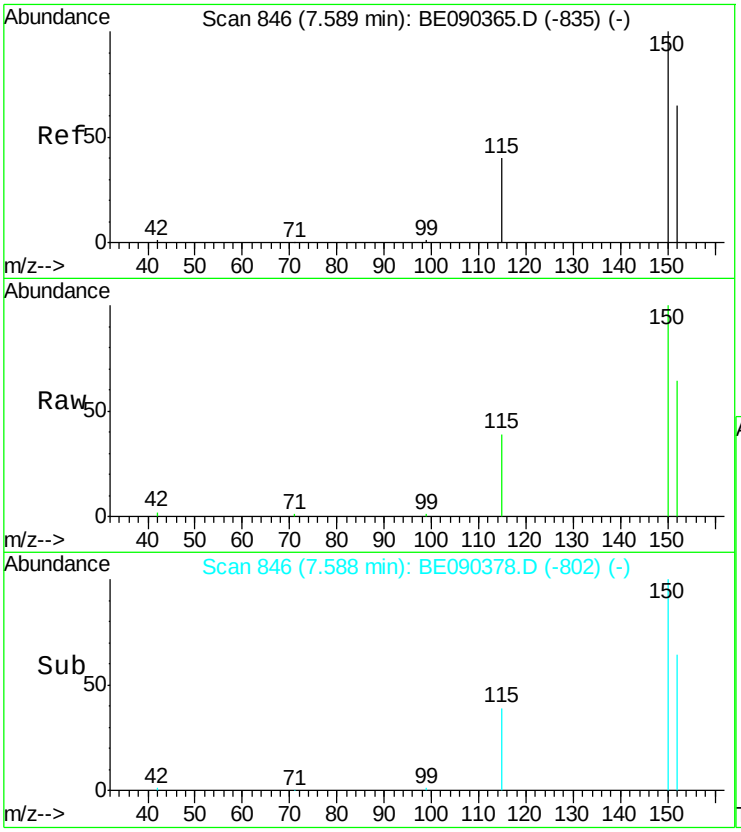
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:11:02 AM

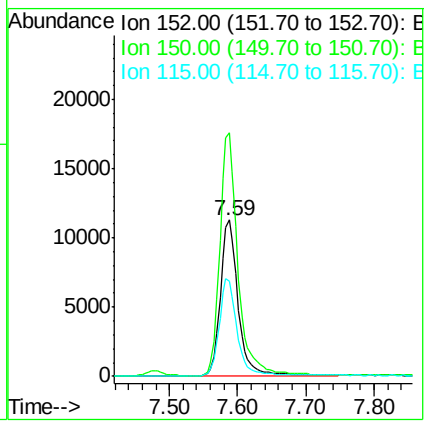




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.59 min Scan# 846
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:152 Resp: 20267

Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.0	184.4
115	60.9	48.9	73.3



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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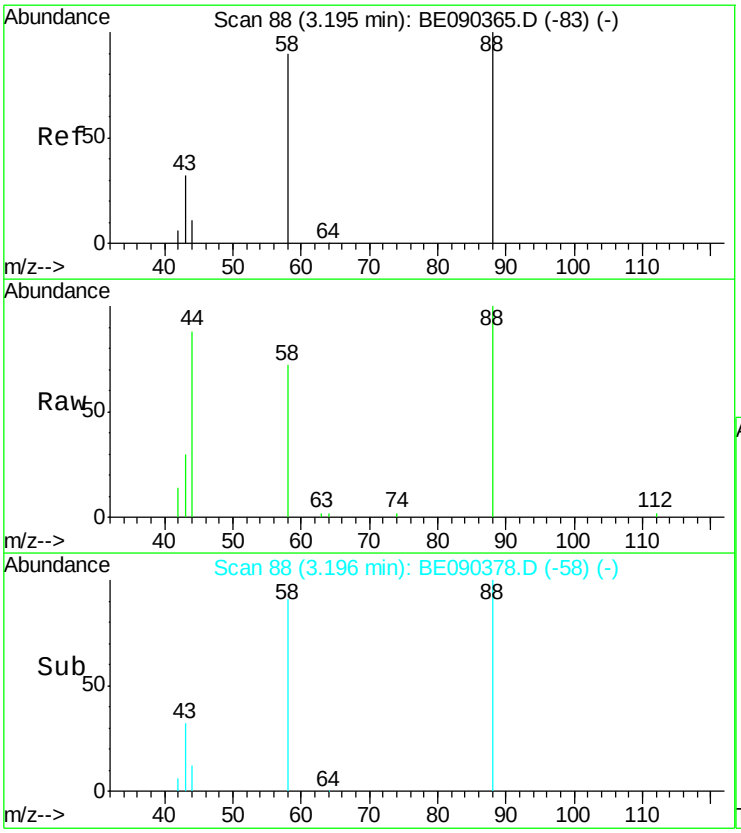
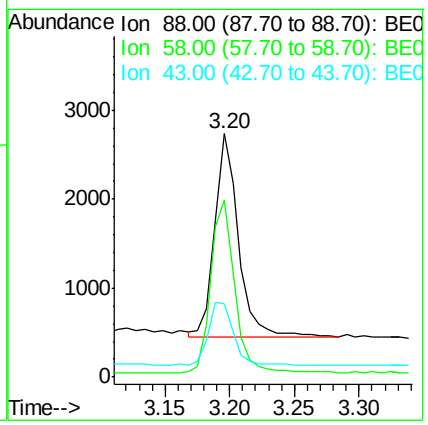
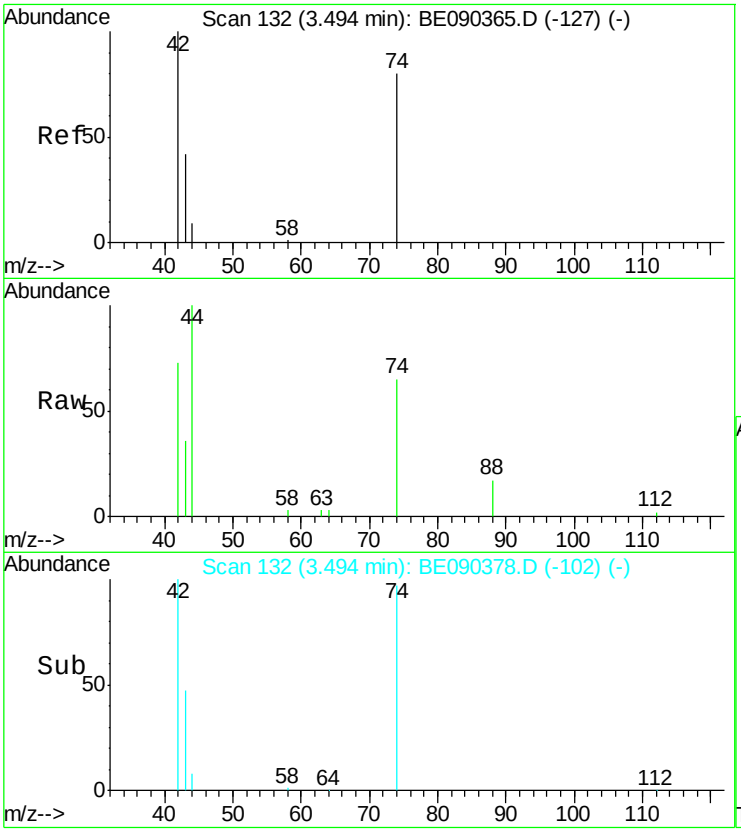


#2
1,4-Dioxane
Concen: 1.11 ng
RT: 3.20 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion: 88 Resp: 2912

Ion	Ratio	Lower	Upper
88	100		
58	84.8	70.0	105.0
43	32.5	28.4	42.6

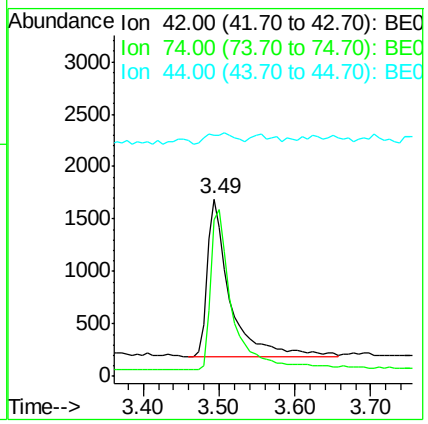




#3
n-Nitrosodimethylamine
Concen: 1.00 ng
RT: 3.49 min Scan# 132
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion: 42 Resp: 3137

Ion	Ratio	Lower	Upper
42	100		
74	96.0	75.2	112.8
44	4.2	8.7	13.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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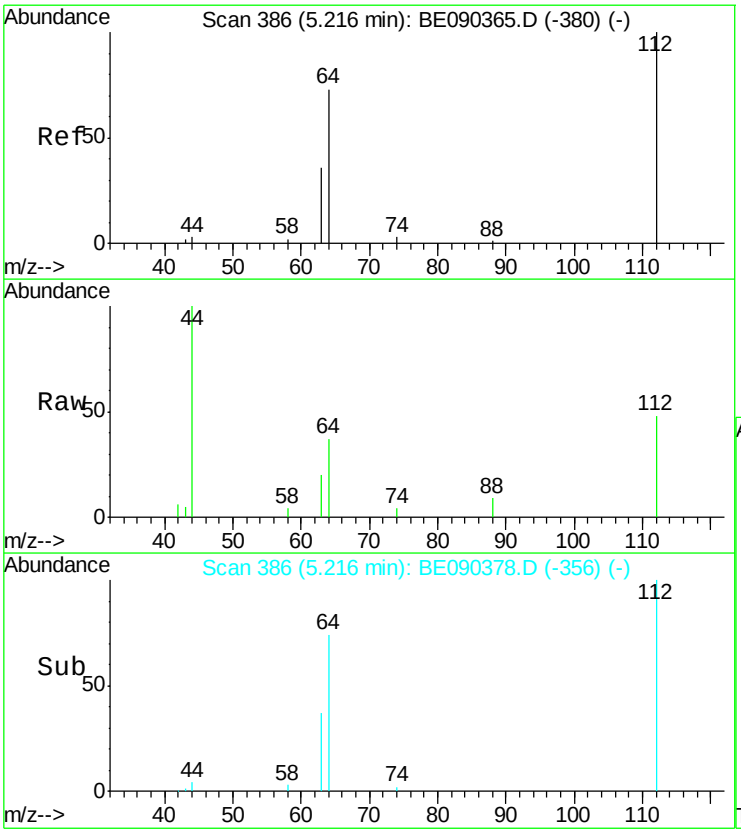
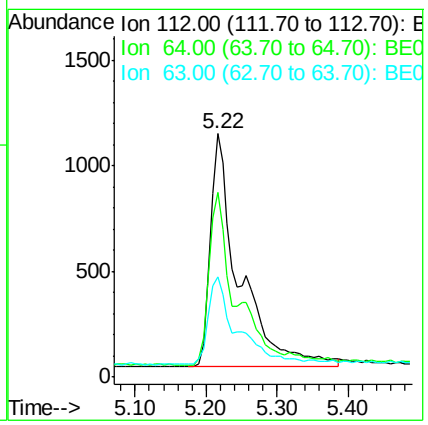
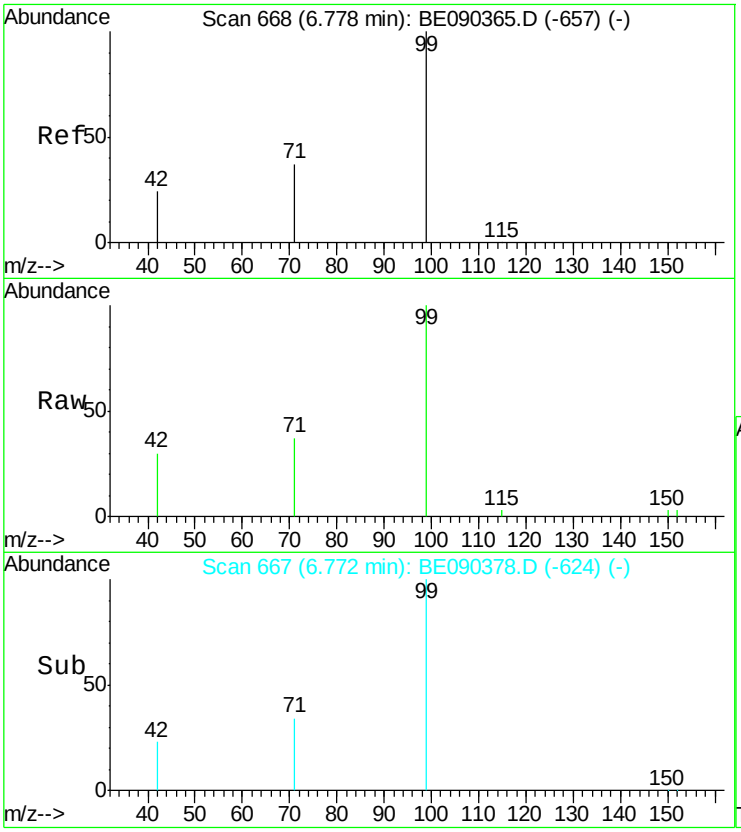


#4
2-Fluorophenol
Concen: 1.06 ng
RT: 5.22 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:112 Resp: 3122

Ion	Ratio	Lower	Upper
112	100		
64	47.9	37.1	55.7
63	37.0	19.5	29.3#

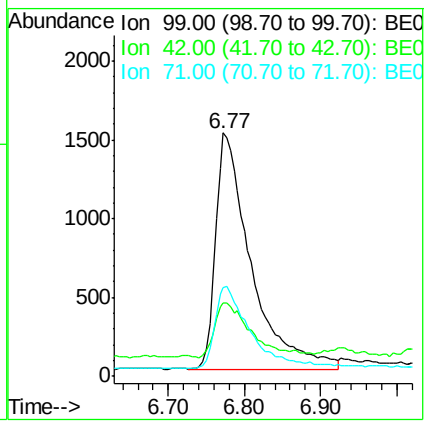




#5
Phenol-d6
Concen: 0.96 ng
RT: 6.77 min Scan# 667
Delta R.T. -0.01 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion: 99 Resp: 4844

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.2	27.4
71	35.4	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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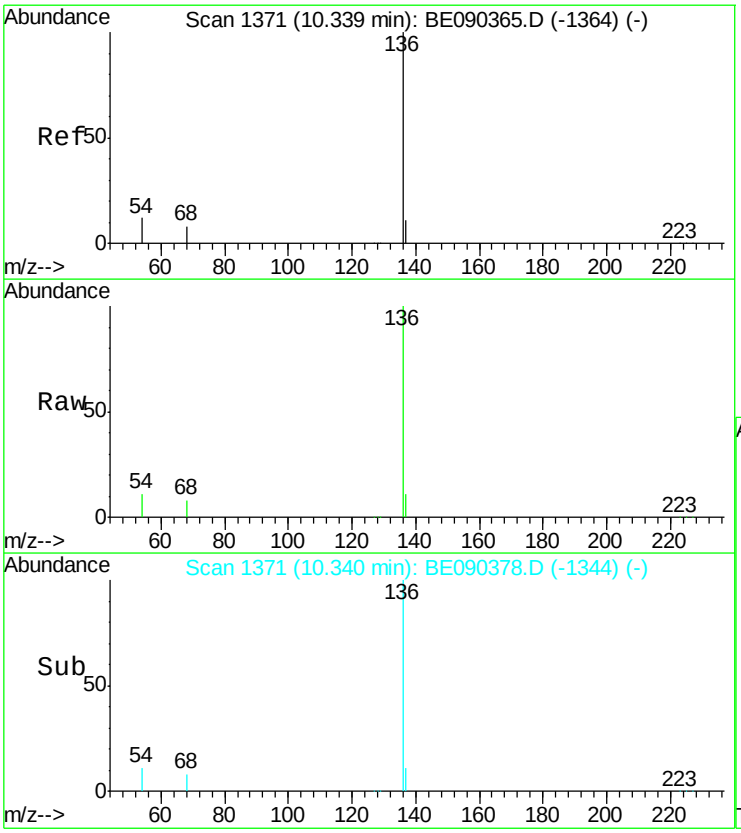
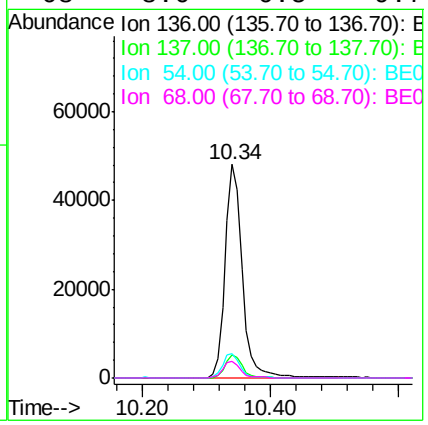
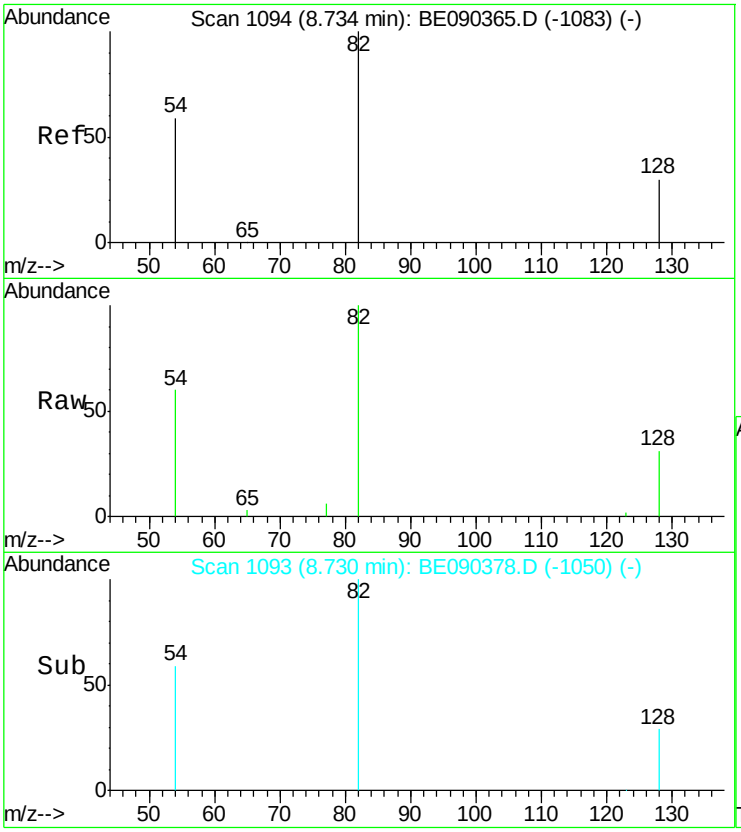


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:136 Resp: 89646

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	11.2	9.4	14.0
68	8.0	6.5	9.7

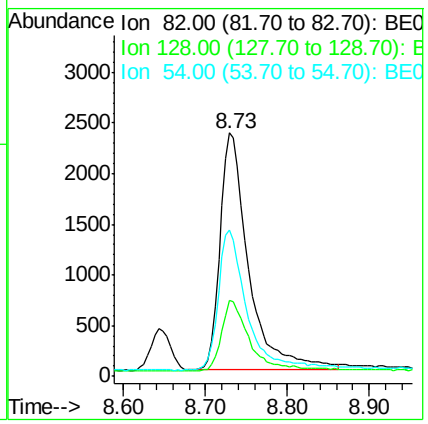




#7
Nitrobenzene-d5
Concen: 0.95 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion: 82 Resp: 5669

Ion	Ratio	Lower	Upper
82	100		
128	31.0	25.0	37.6
54	60.3	48.8	73.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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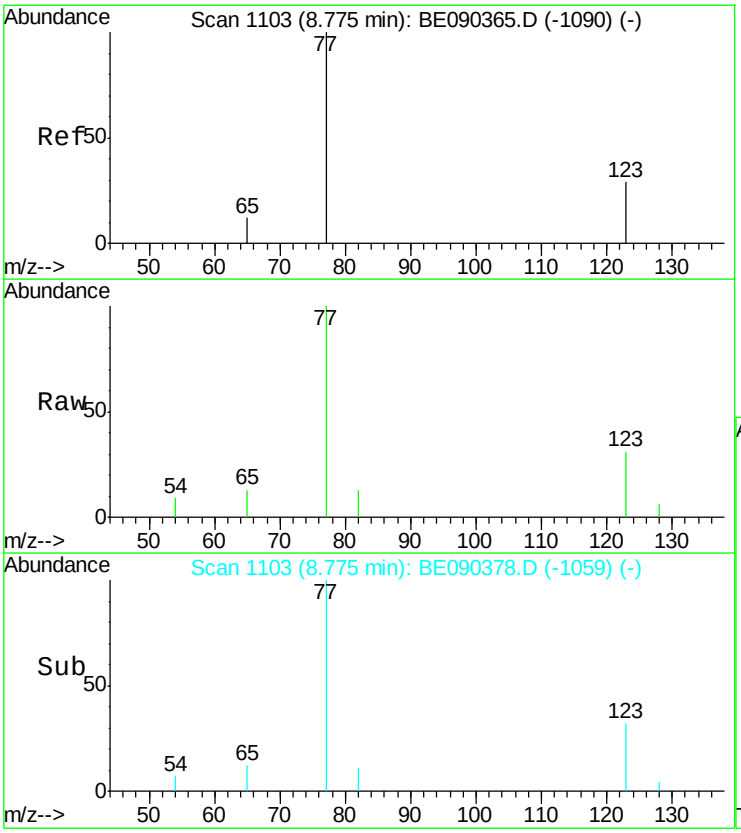
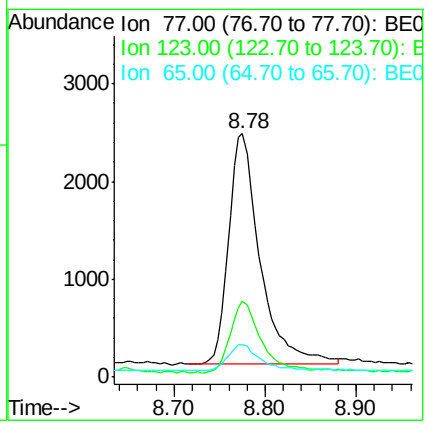
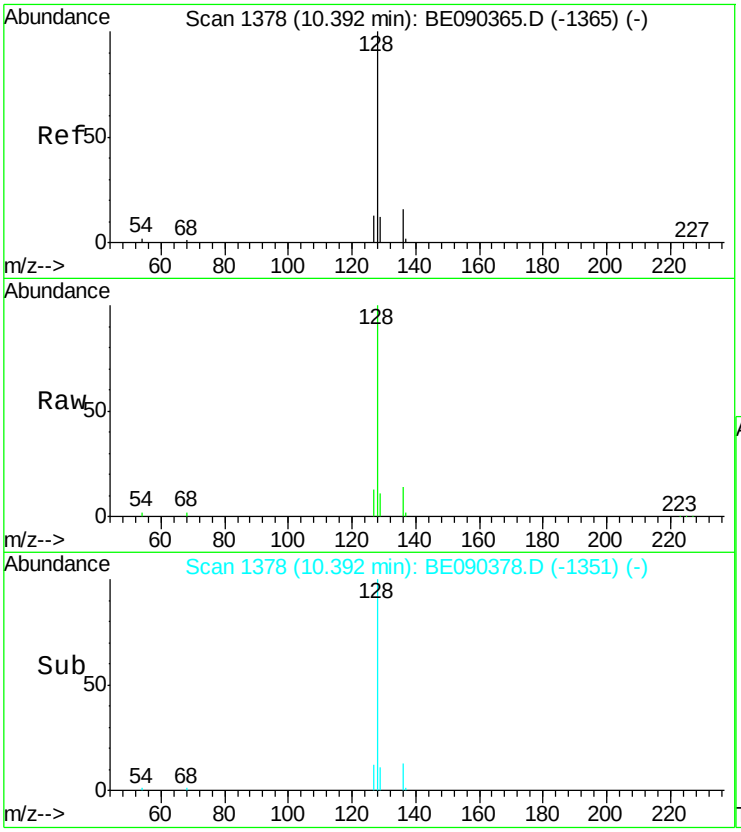


#8
Nitrobenzene
Concen: 0.90 ng
RT: 8.78 min Scan# 1103
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion: 77 Resp: 5646

Ion	Ratio	Lower	Upper
77	100		
123	31.1	25.1	37.7
65	11.7	9.3	13.9

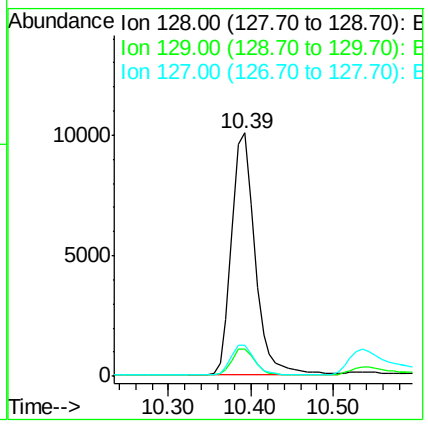




#9
Naphthalene
Concen: 1.00 ng
RT: 10.39 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:128 Resp: 19830

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.8	14.6
127	12.7	10.6	16.0



Instrument :
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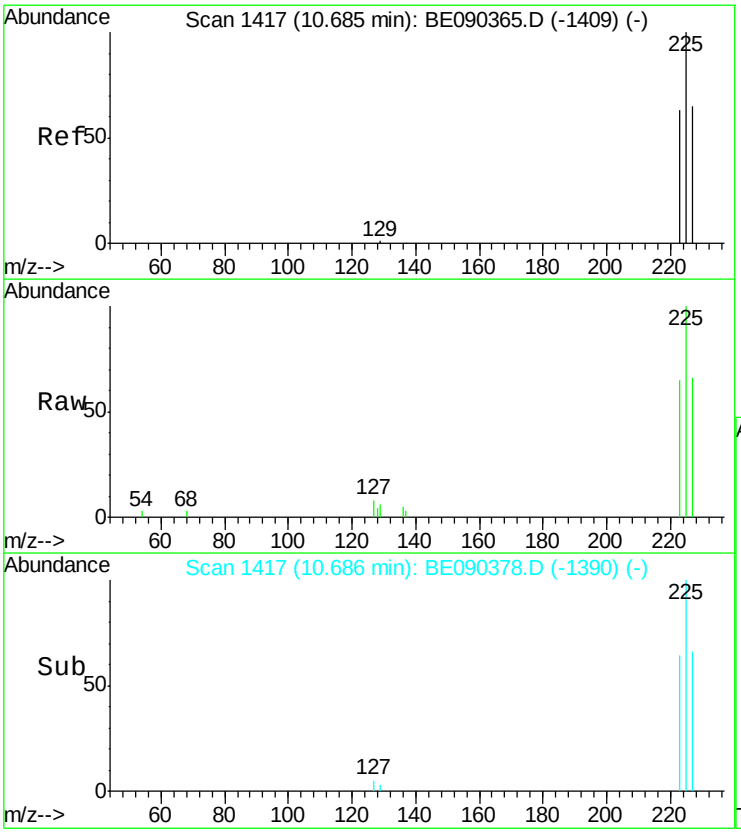
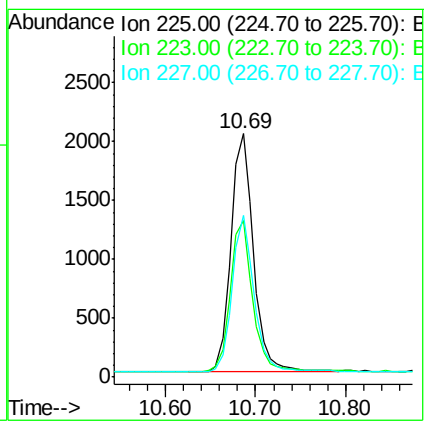
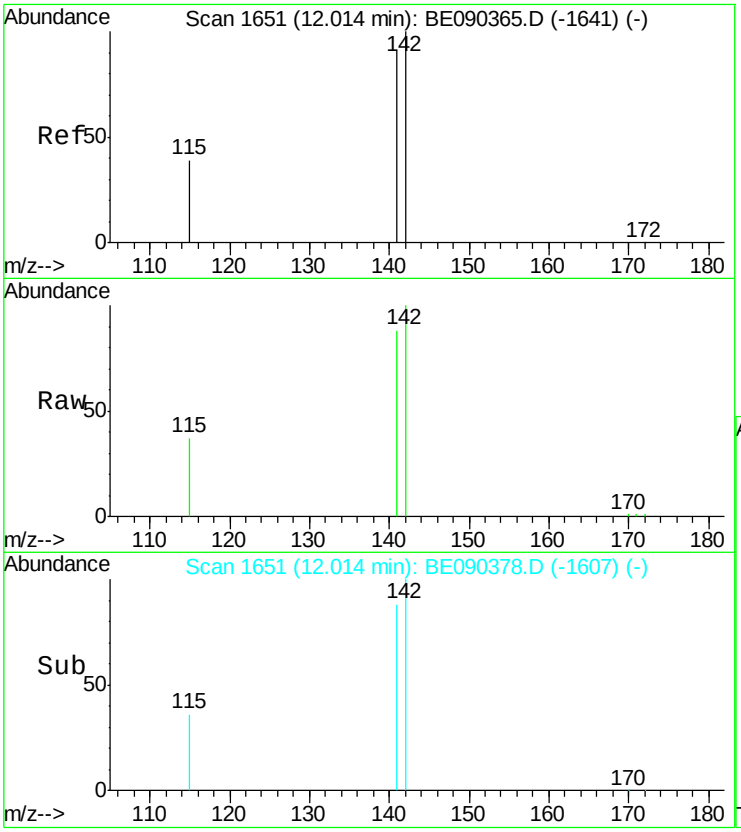


#10
Hexachlorobutadiene
Concen: 1.11 ng
RT: 10.69 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:225 Resp: 3489

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	75.8
227	63.7	50.7	76.1

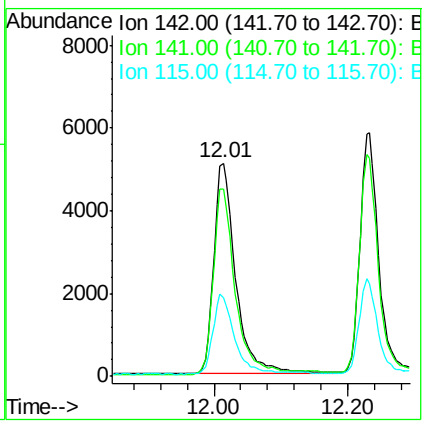




#11
2-Methylnaphthalene
Concen: 1.02 ng
RT: 12.01 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:142 Resp: 11706

Ion	Ratio	Lower	Upper
142	100		
141	87.9	72.6	109.0
115	36.8	31.6	47.4



Instrument :
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ClientSampleId :
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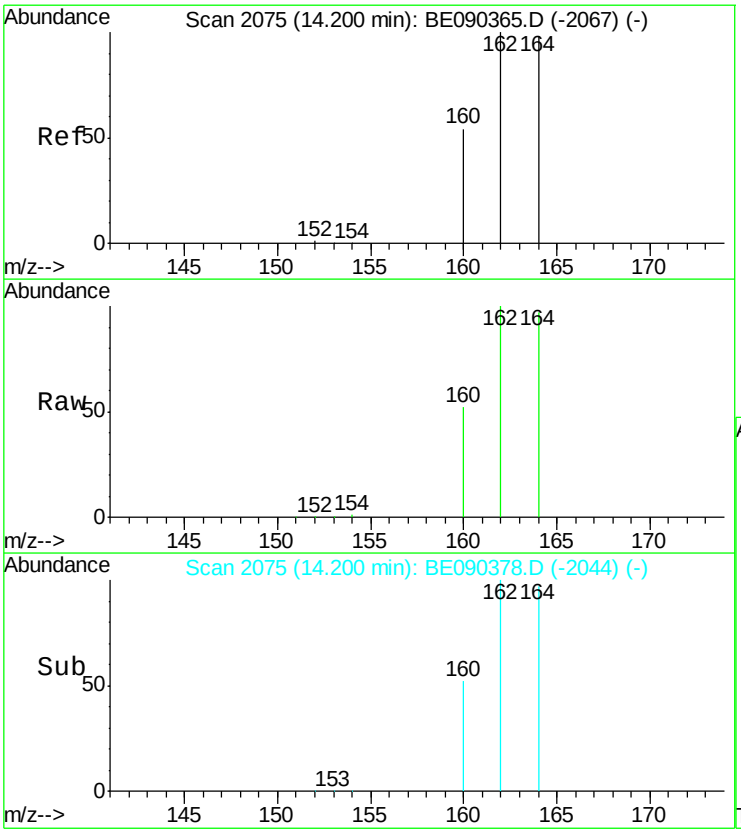
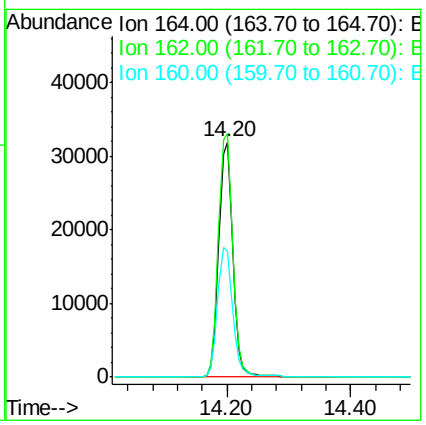
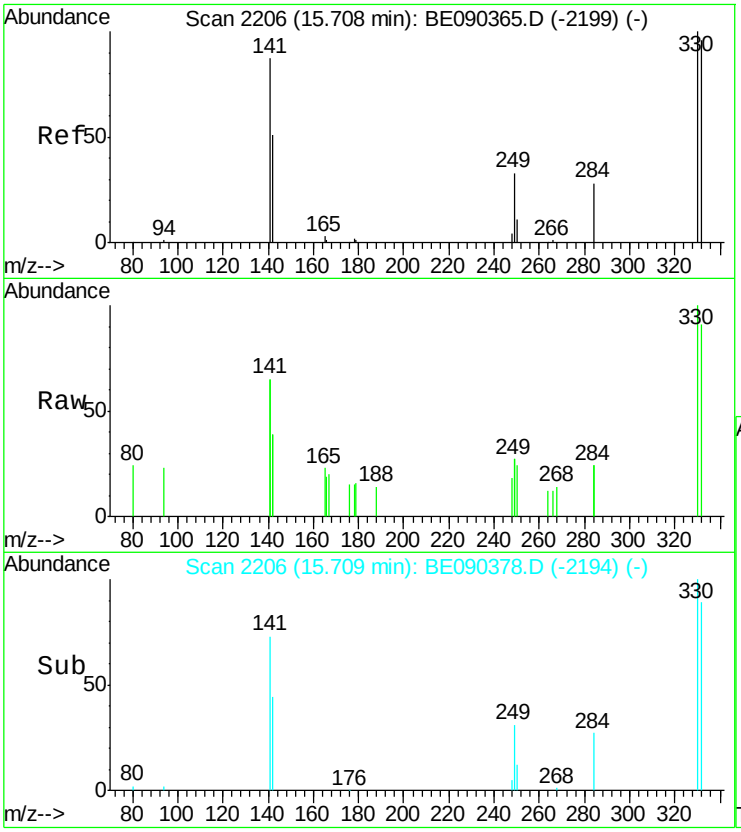


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:164 Resp: 49696

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.8	122.8
160	53.4	44.2	66.4





#13
2,4,6-Tribromophenol
Concen: 1.02 ng
RT: 15.71 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:330 Resp: 838

Ion	Ratio	Lower	Upper
330	100		
332	91.5	75.8	113.6
141	157.9	114.4	171.6

Instrument :
BNA_E
ClientSampleId :
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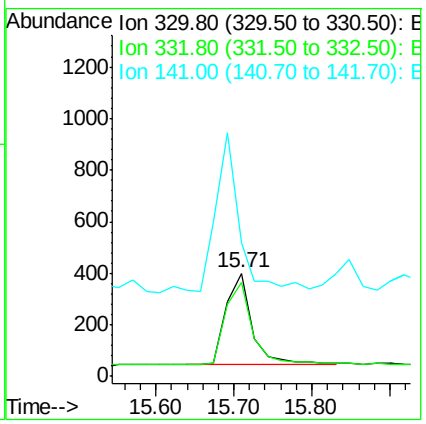
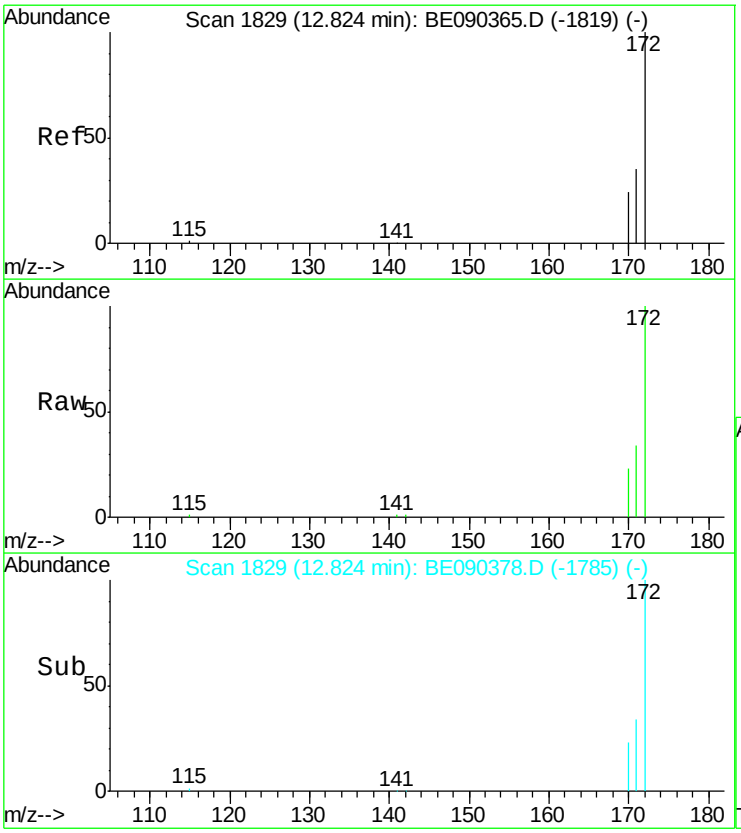
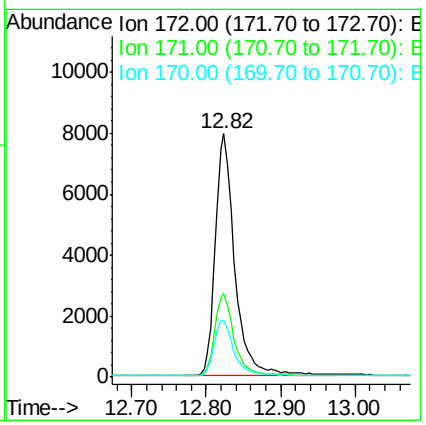


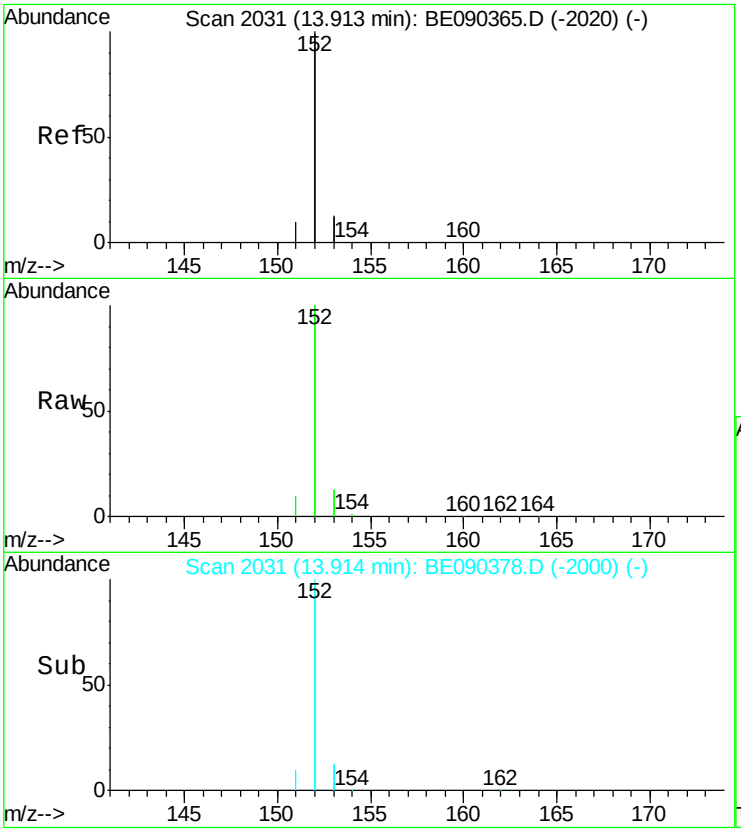


#14
2-Fluorobiphenyl
Concen: 1.05 ng
RT: 12.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:172 Resp: 14388

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.5	42.7
170	23.4	19.8	29.8

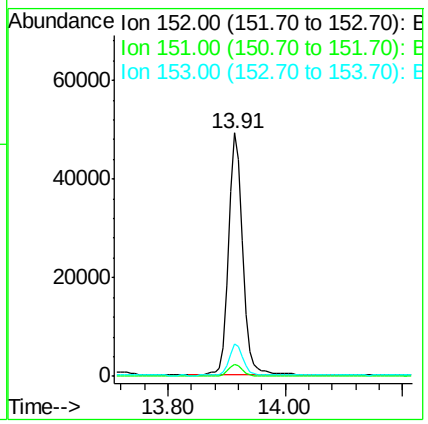




#15
Acenaphthylene
Concen: 1.03 ng
RT: 13.91 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:152 Resp: 82512

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.7	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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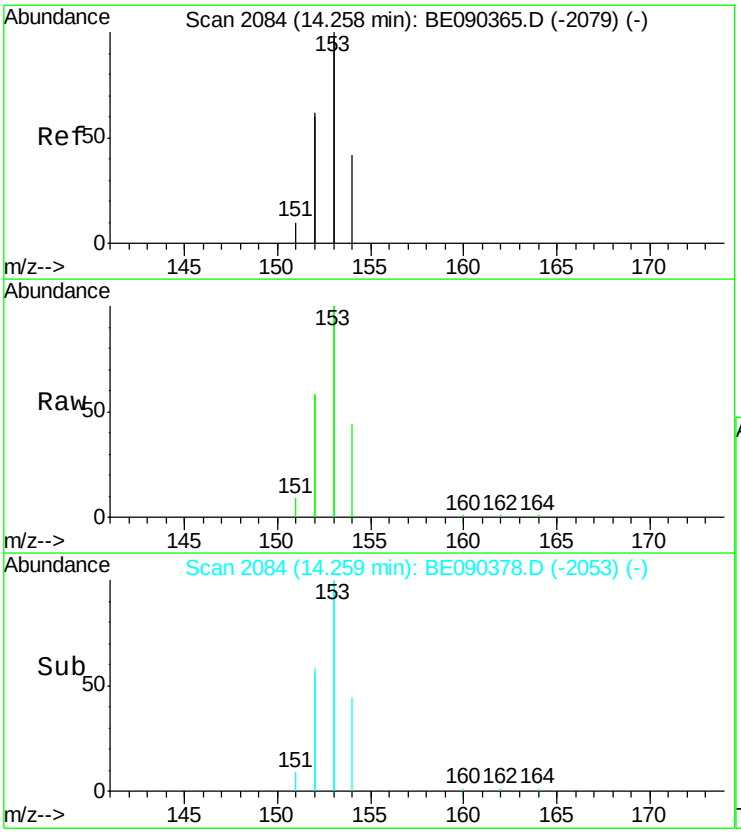
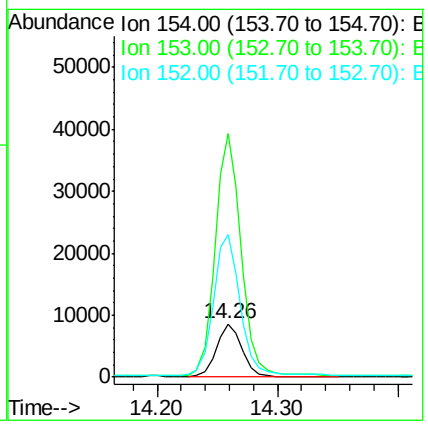
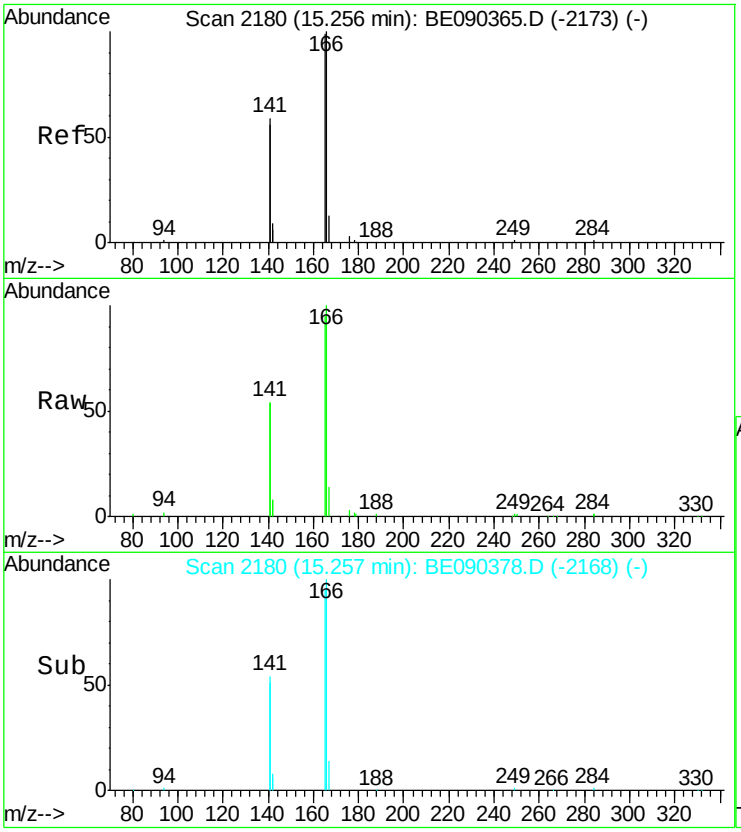


#16
Acenaphthene
Concen: 1.01 ng
RT: 14.26 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:154 Resp: 12600

Ion	Ratio	Lower	Upper
154	100		
153	466.6	376.2	564.2
152	279.7	235.0	352.4

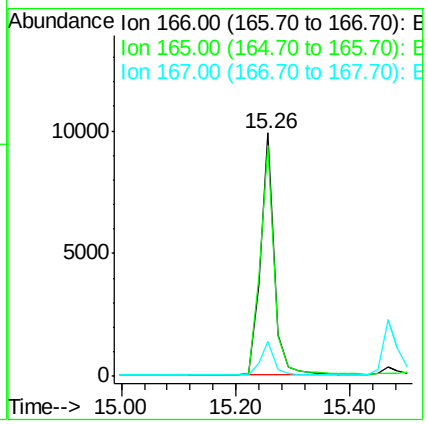




#17
Fluorene
Concen: 1.02 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:166 Resp: 16653

Ion	Ratio	Lower	Upper
166	100		
165	99.1	81.5	122.3
167	14.1	11.4	17.0



Instrument :
BNA_E
ClientSampleId :
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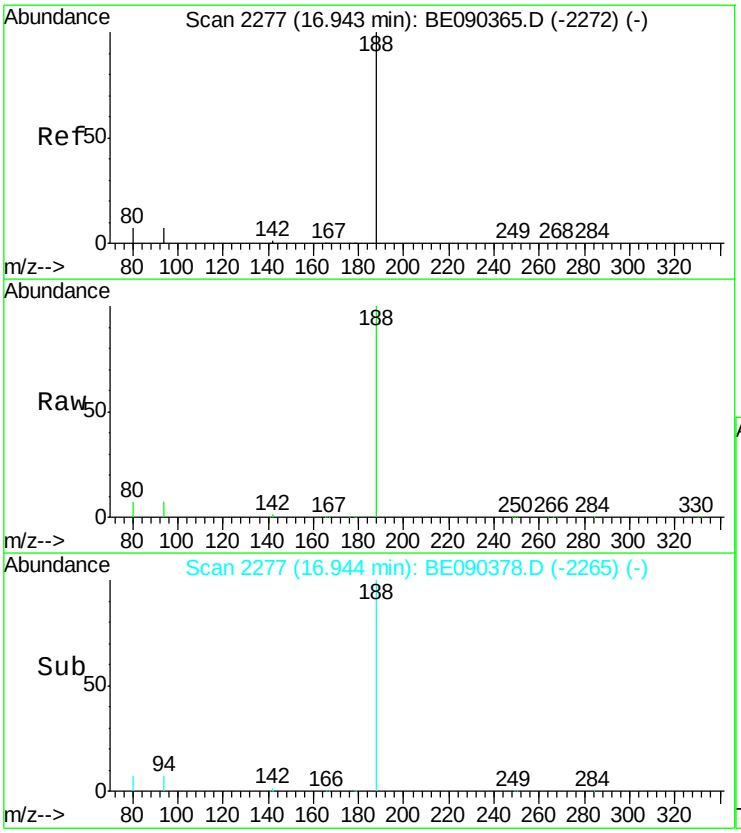
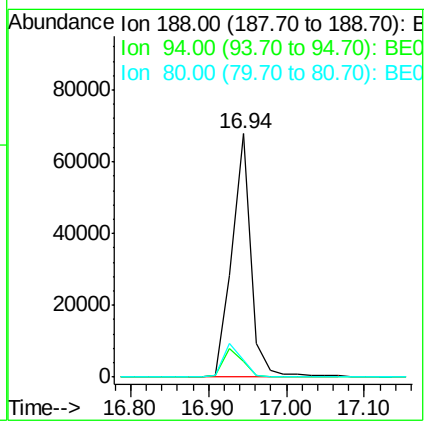
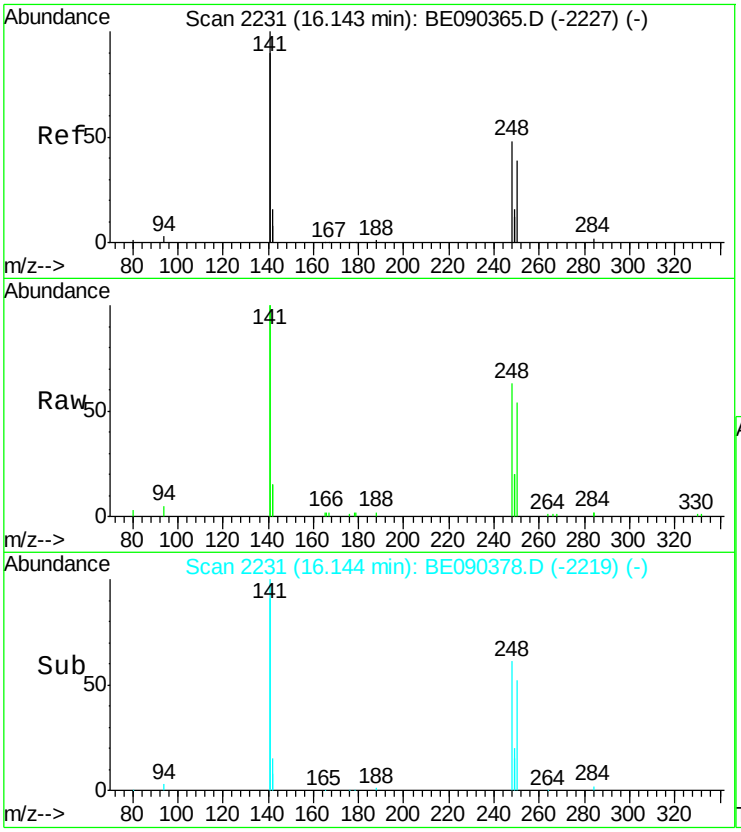


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:188 Resp: 115390

Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.7	8.5
80	6.9	5.8	8.8

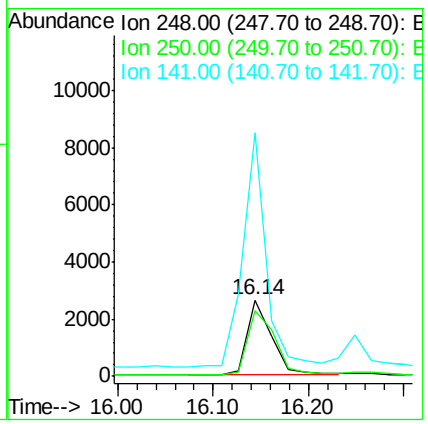




#19
4-Bromophenyl-phenylether
Concen: 1.05 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:248 Resp: 4707

Ion	Ratio	Lower	Upper
248	100		
250	95.4	79.0	118.6
141	290.1	239.5	359.3



Instrument :
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ClientSampleId :
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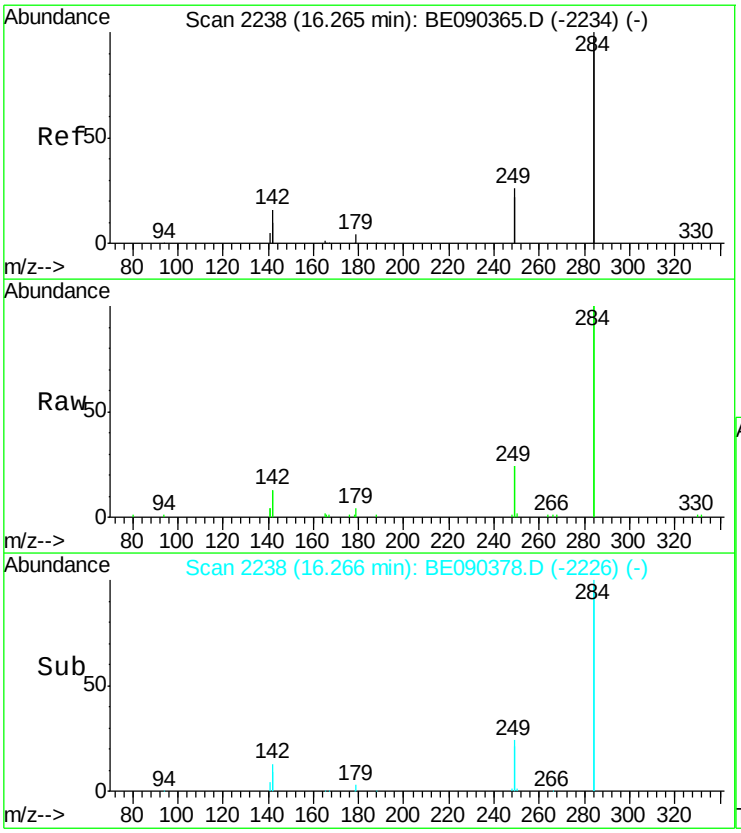
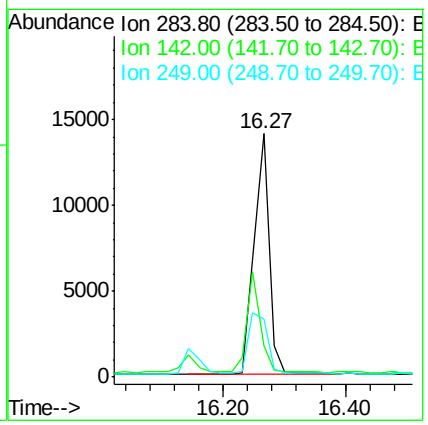
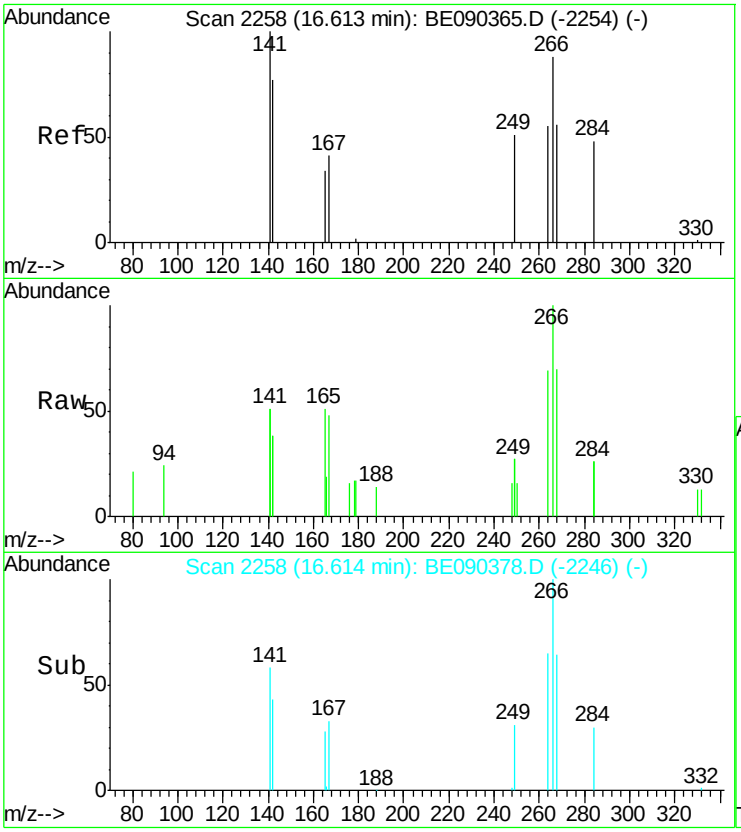


#20
Hexachlorobenzene
Concen: 1.02 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:284 Resp: 23713

Ion	Ratio	Lower	Upper
284	100		
142	37.5	30.1	45.1
249	31.6	25.7	38.5

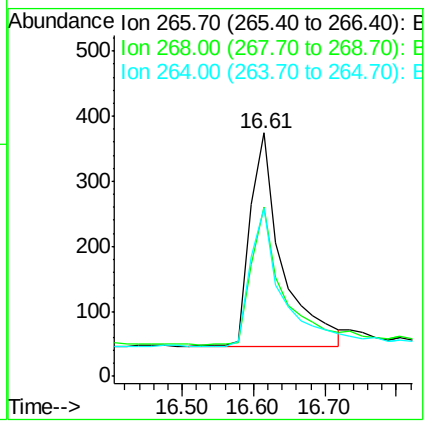




#21
Pentachlorophenol
Concen: 1.28 ng
RT: 16.61 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:266 Resp: 1025

Ion	Ratio	Lower	Upper
266	100		
268	69.5	58.5	87.7
264	69.3	56.0	84.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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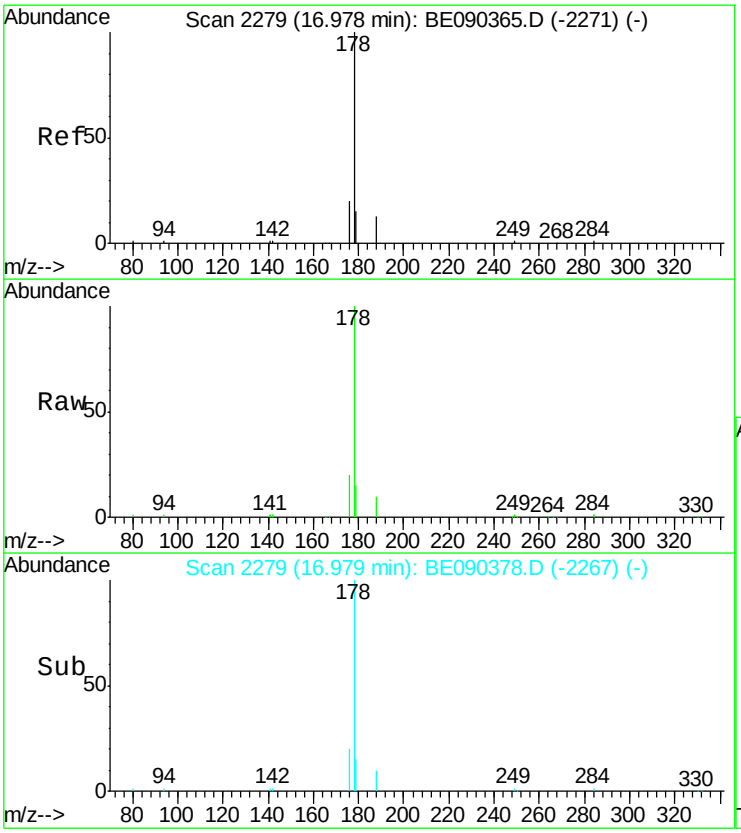
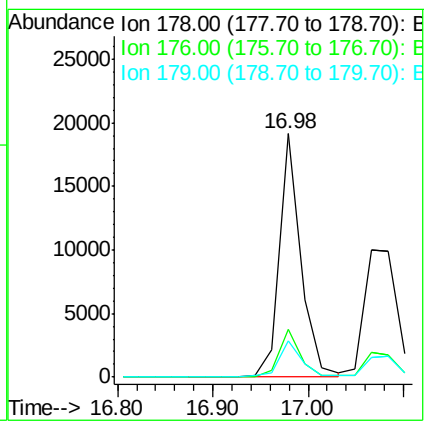
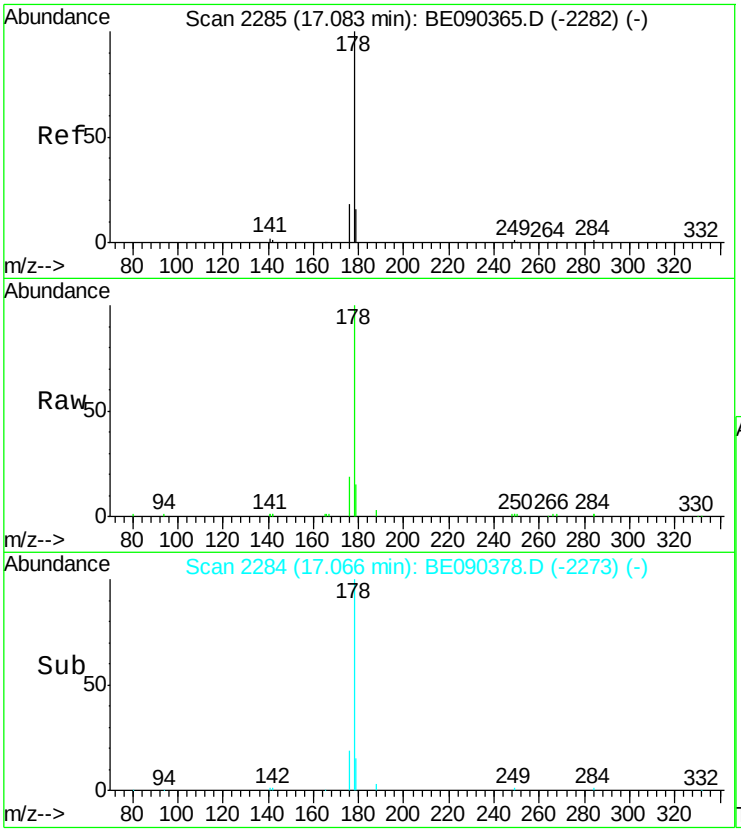


#22
Phenanthrene
Concen: 1.02 ng
RT: 16.98 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:178 Resp: 29495

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.5	18.7

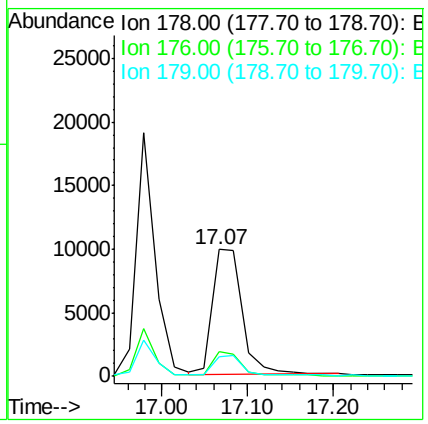




#23
Anthracene
Concen: 1.01 ng
RT: 17.07 min Scan# 2284
Delta R.T. -0.02 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:178 Resp: 24049

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.4	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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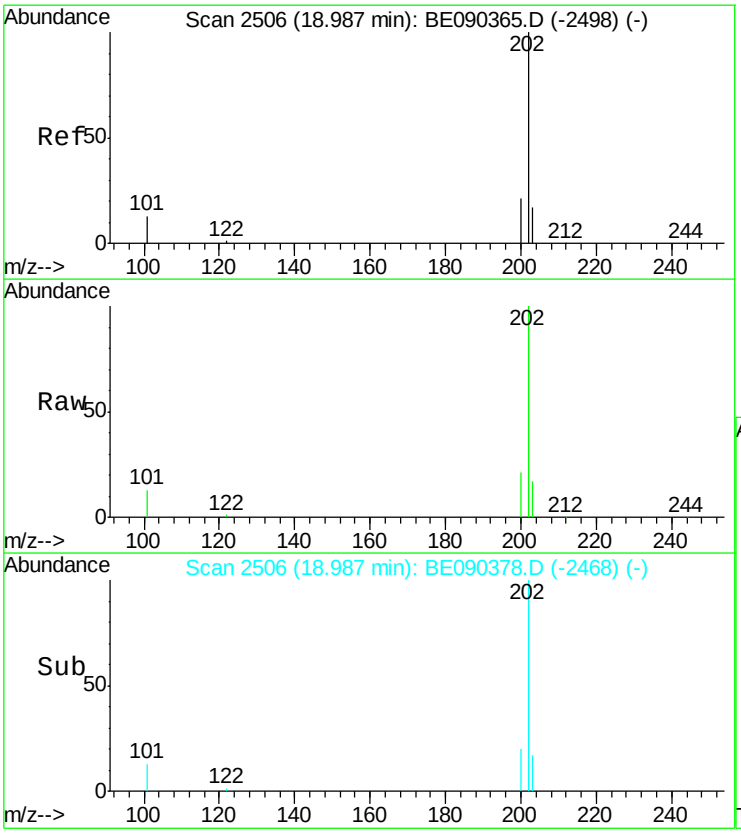
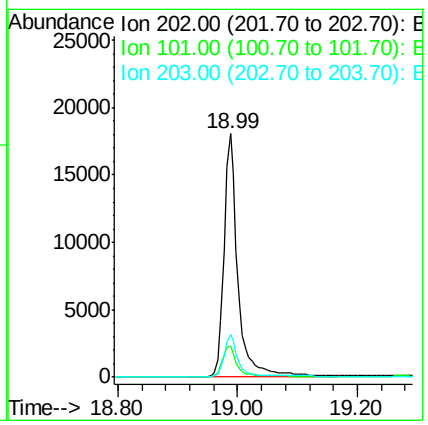
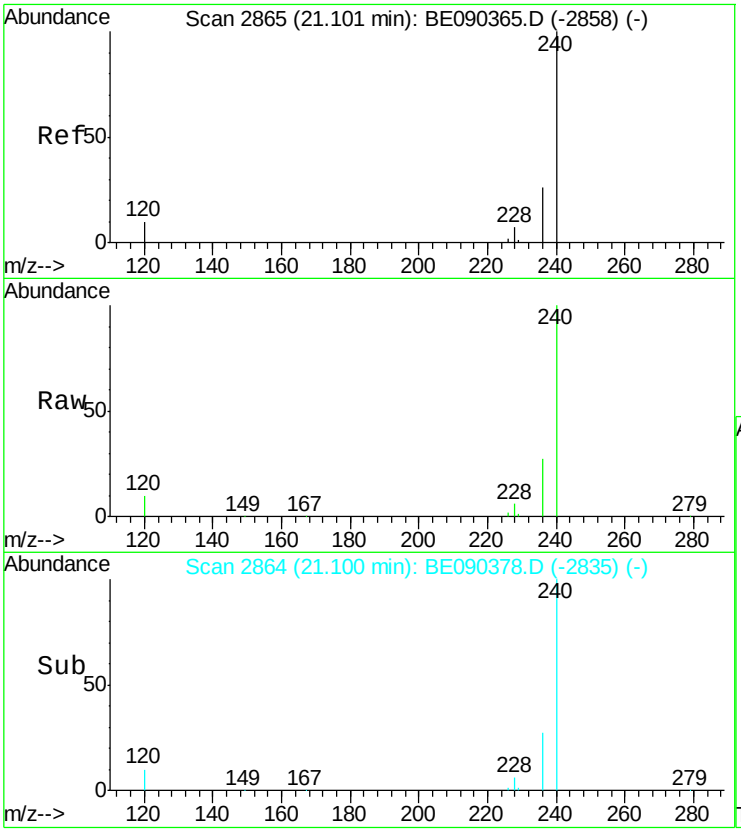


#24
Fluoranthene
Concen: 1.03 ng
RT: 18.99 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:202 Resp: 29408

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.3	15.5
203	17.0	13.7	20.5

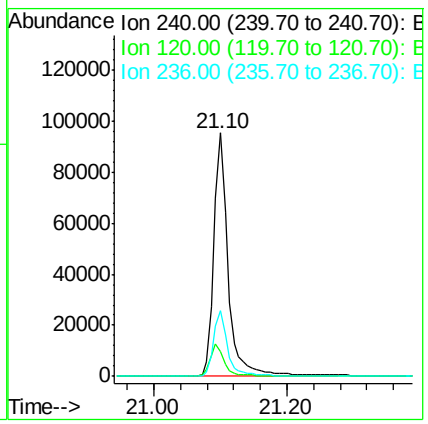




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2864
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:240 Resp: 139861

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.3	12.5
236	26.8	21.0	31.4



Instrument :
BNA_E
ClientSampleId :
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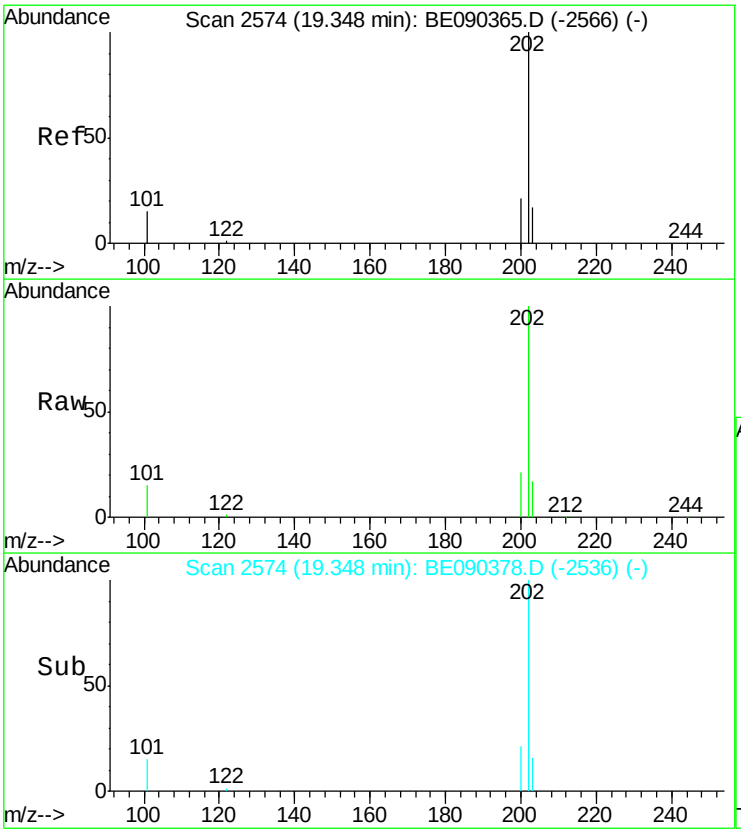
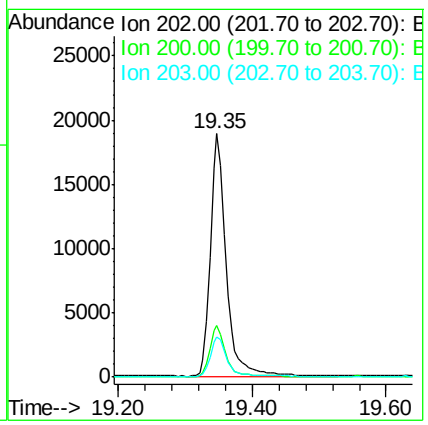
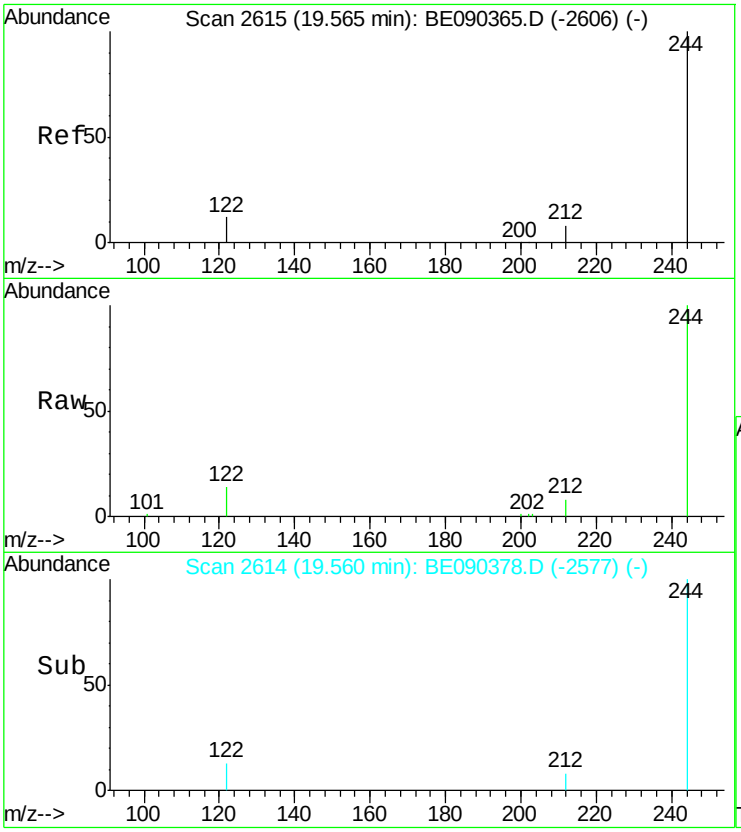


#26
Pyrene
Concen: 1.02 ng
RT: 19.35 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:202 Resp: 30816

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.0	13.8	20.8

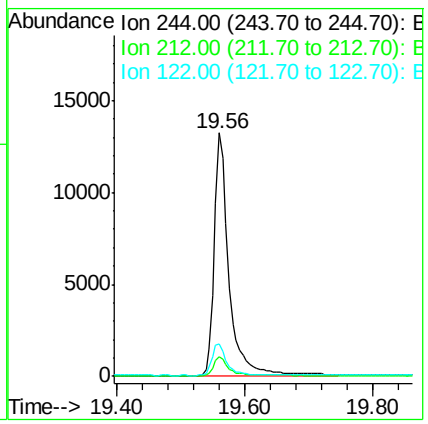




#27
Terphenyl-d14
Concen: 1.02 ng
RT: 19.56 min Scan# 2614
Delta R.T. -0.01 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:244 Resp: 21118

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	9.8
122	13.5	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
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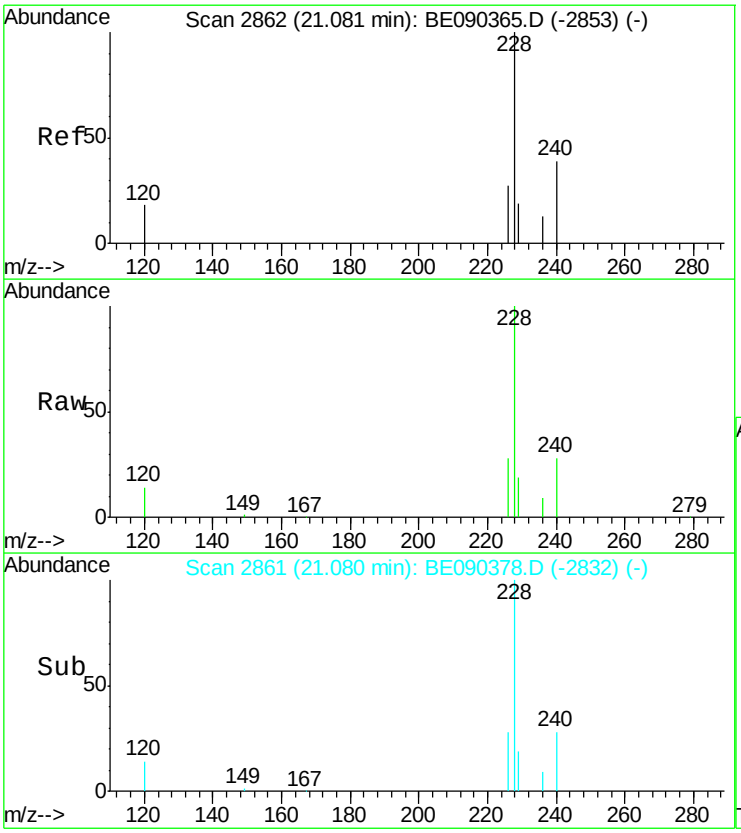
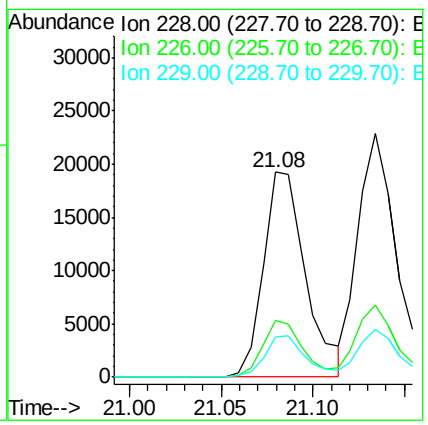
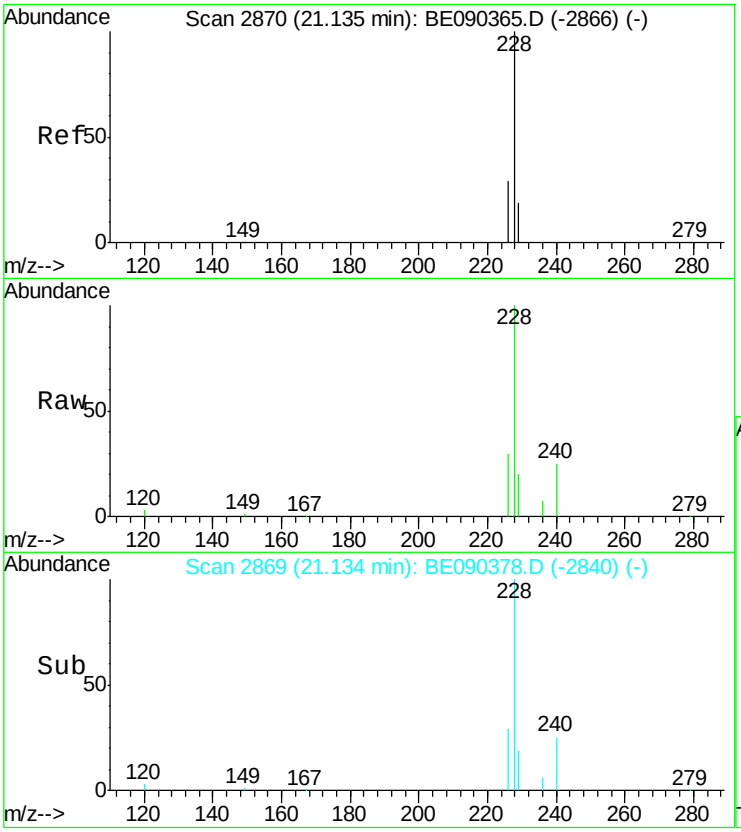


#28
Benzo(a)anthracene
Concen: 0.99 ng
RT: 21.08 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:228 Resp: 30759

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	19.3	15.4	23.0





#29
Chrysene
Concen: 0.97 ng
RT: 21.13 min Scan# 2869
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:228 Resp: 36380

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.1	34.7
229	19.5	15.8	23.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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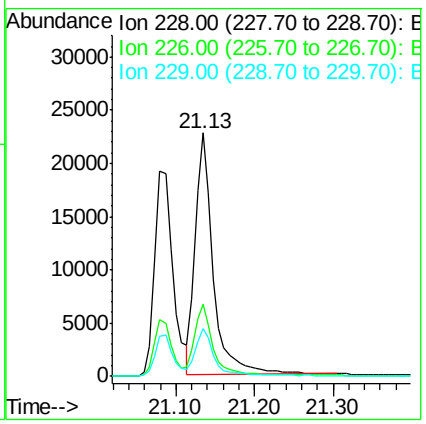
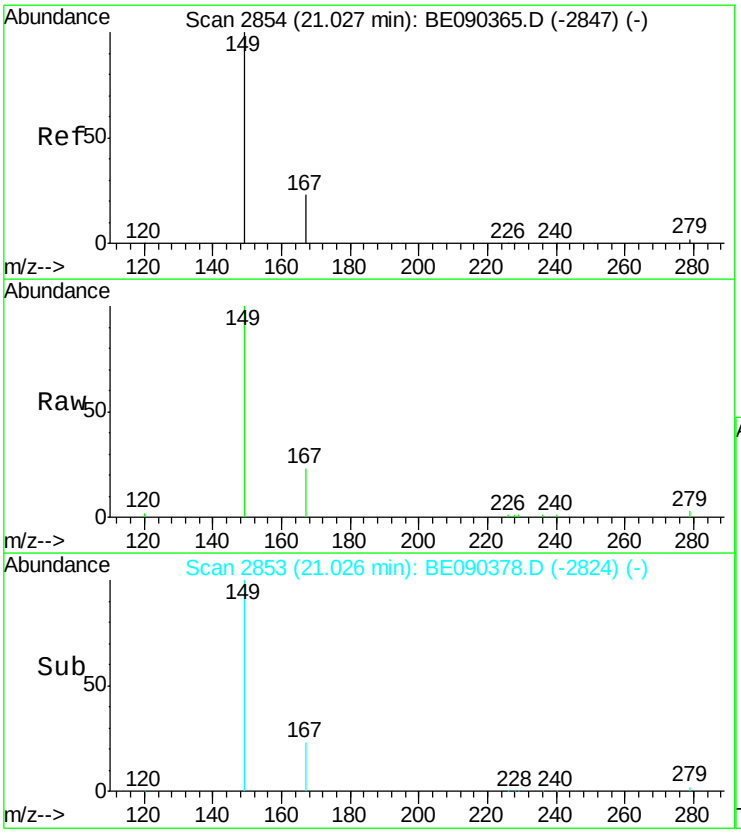
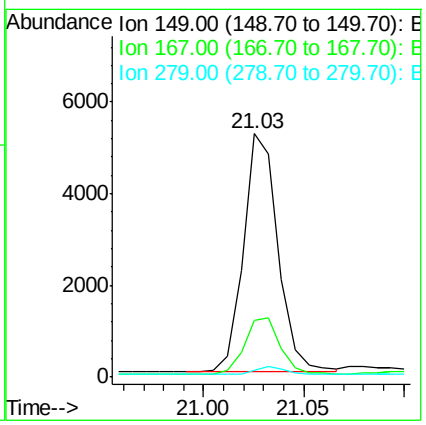


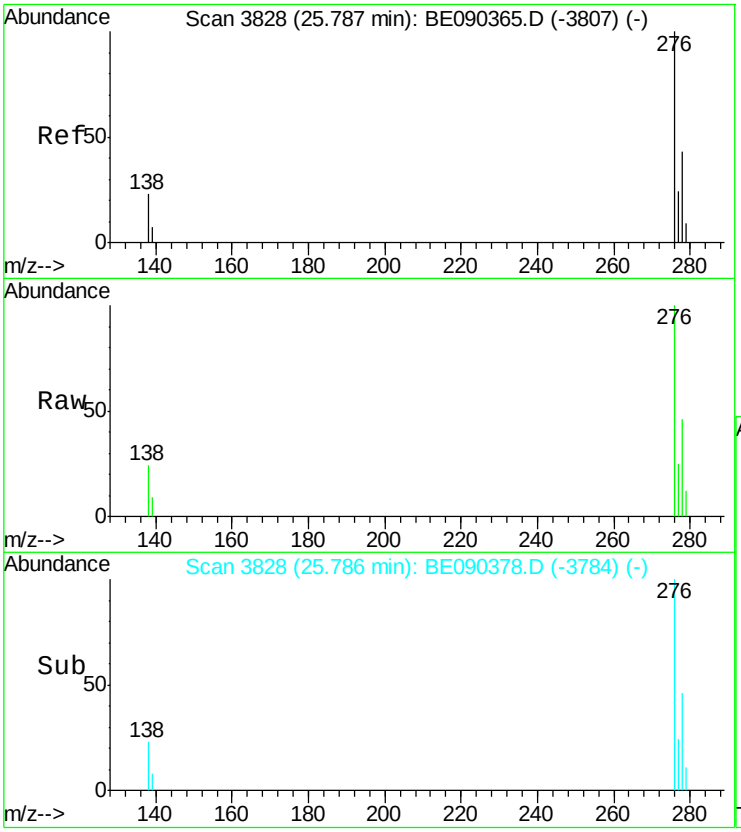


#30
Bis(2-ethylhexyl)phthalate
Concen: 0.90 ng
RT: 21.03 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:149 Resp: 6270

Ion	Ratio	Lower	Upper
149	100		
167	24.5	19.8	29.8
279	3.4	2.4	3.6

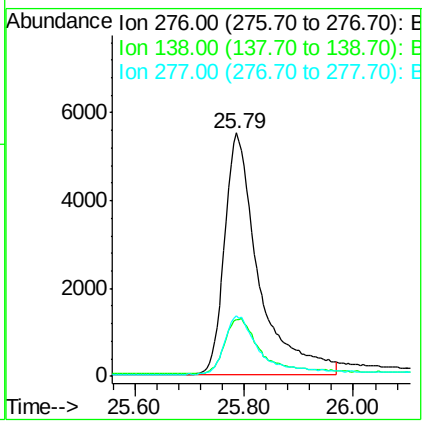




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.92 ng
RT: 25.79 min Scan# 3828
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:276 Resp: 23767

Ion	Ratio	Lower	Upper
276	100		
138	24.0	18.8	28.2
277	24.6	18.2	27.4



Instrument :
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ClientSampleId :
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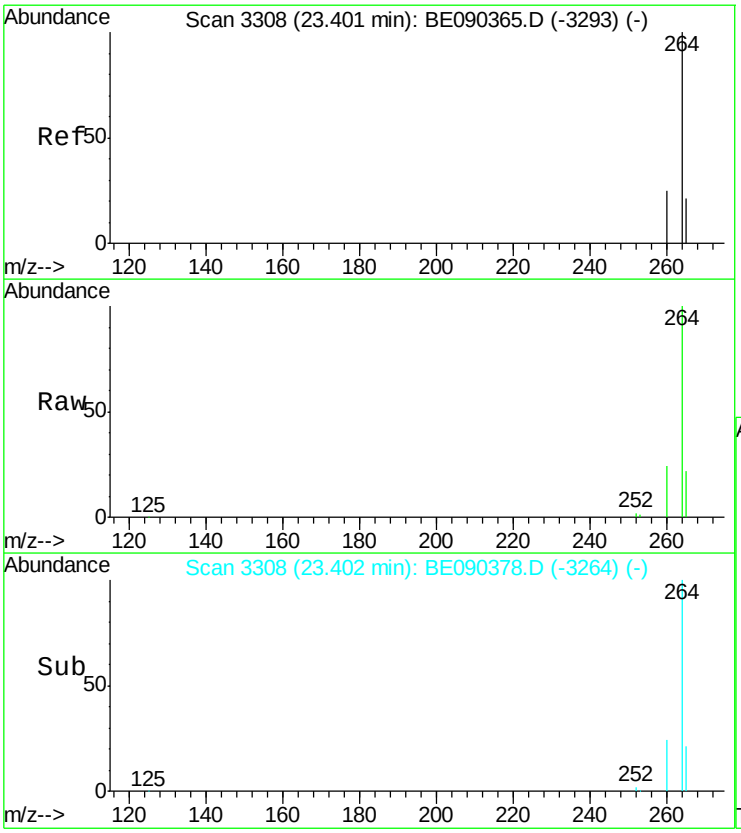
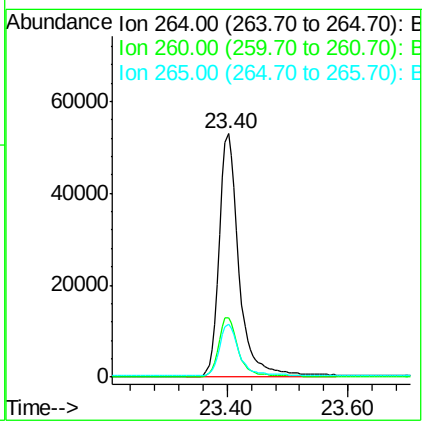
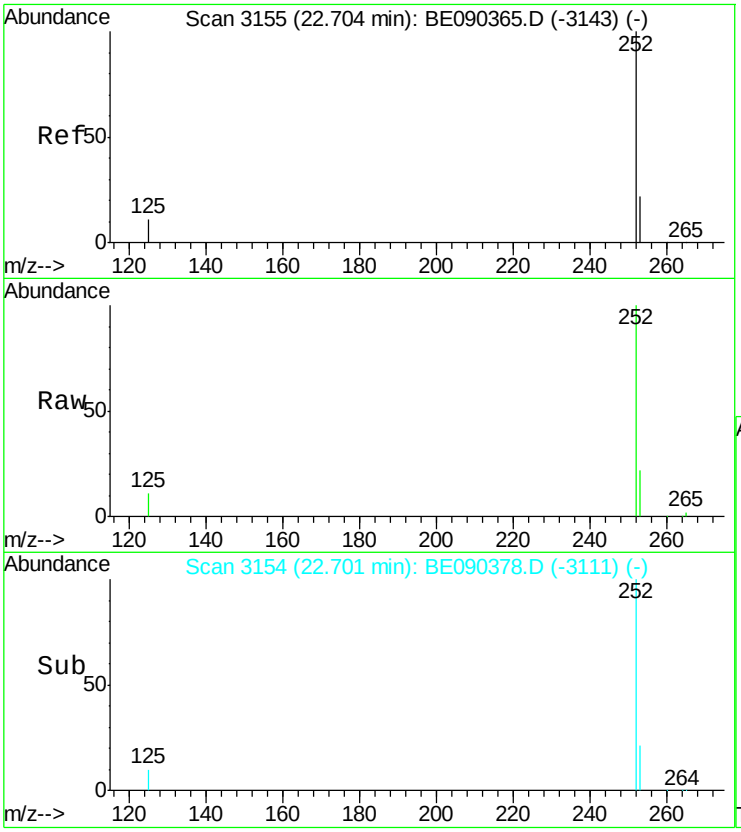


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:264 Resp: 121181

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.1	30.1
265	21.9	17.2	25.8





#33
Benzo(b)fluoranthene
Concen: 1.03 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:252 Resp: 23774

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.8	9.4	14.2

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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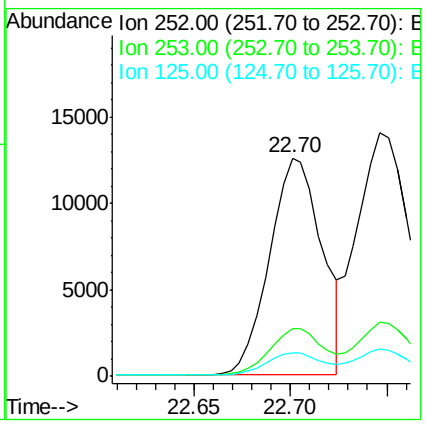
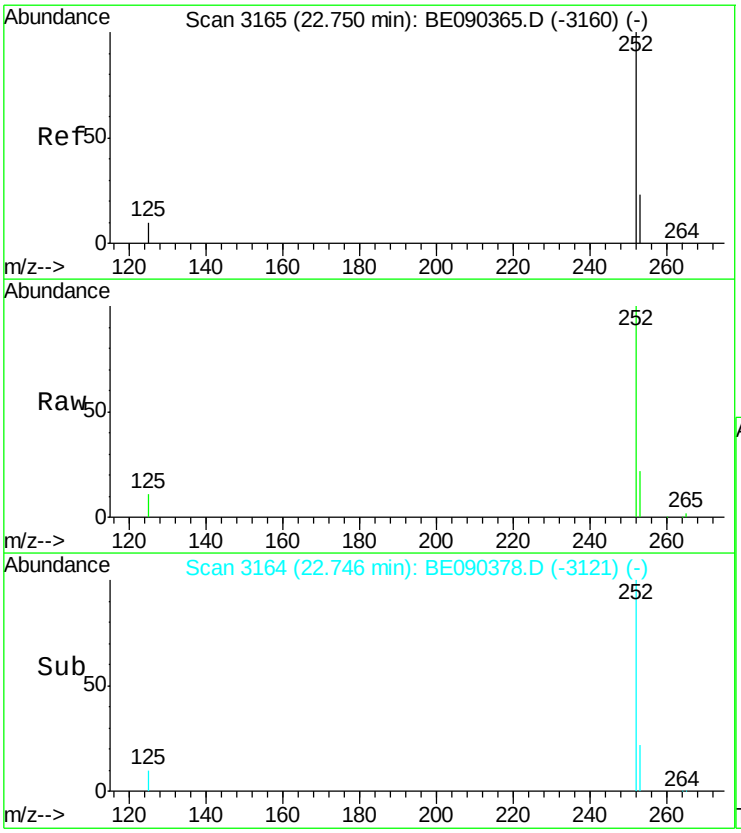
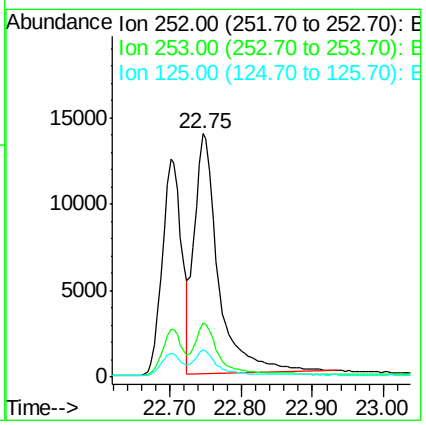


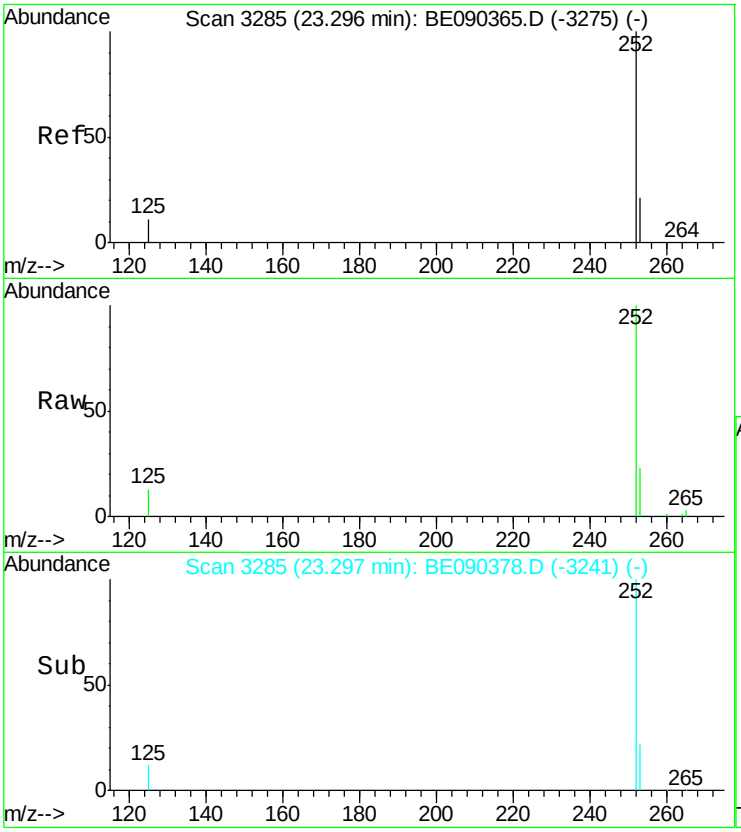


#34
Benzo(k)fluoranthene
Concen: 0.98 ng
RT: 22.75 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:252 Resp: 32502

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.1	9.1	13.7





#35
Benzo(a)pyrene
Concen: 0.99 ng
RT: 23.30 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:252 Resp: 20617

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	12.8	9.8	14.6

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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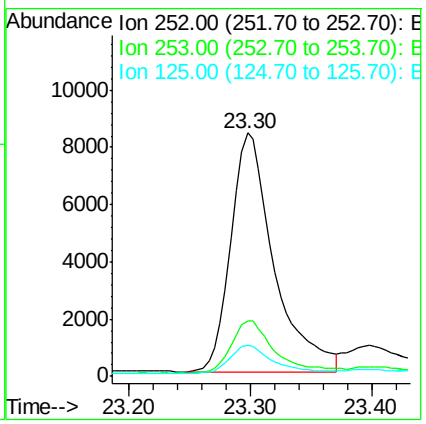
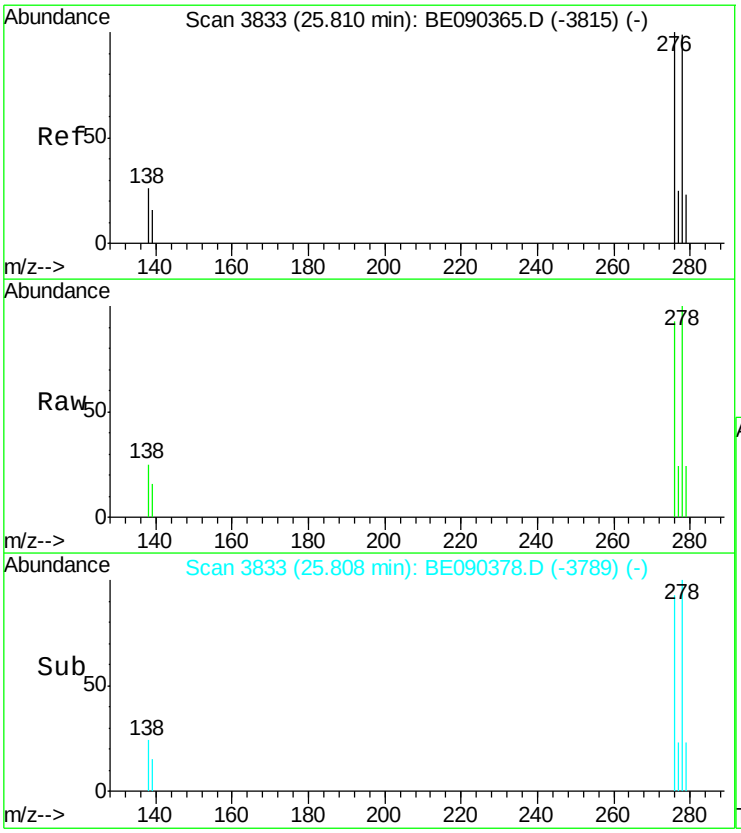
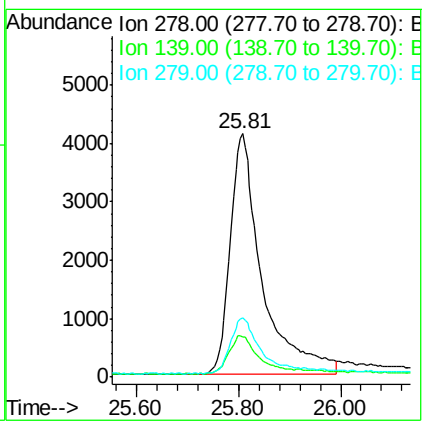


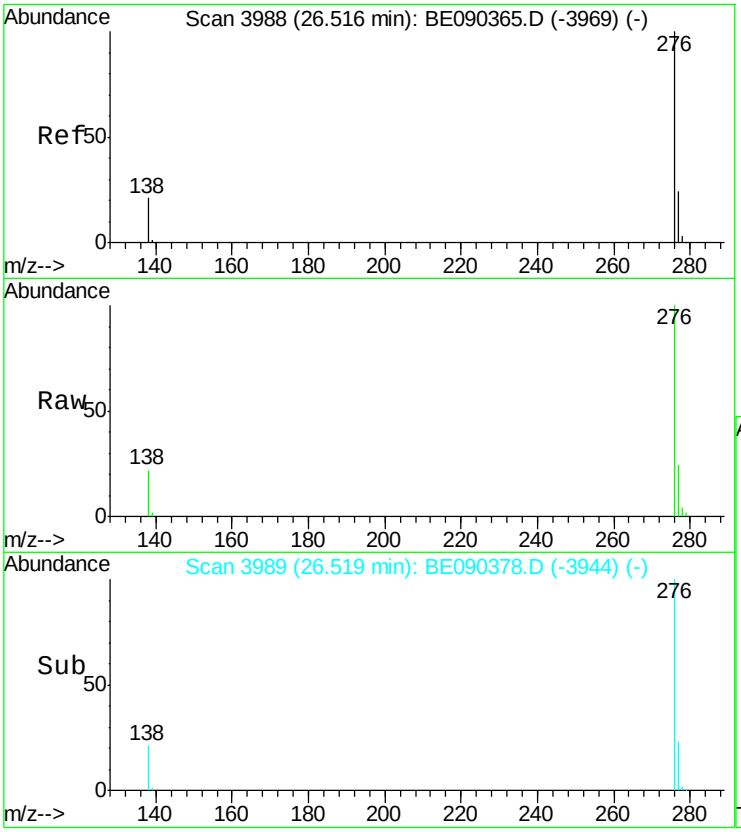


#36
Dibenzo(a,h)anthracene
Concen: 0.95 ng
RT: 25.81 min Scan# 3833
Delta R.T. -0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:278 Resp: 17891

Ion	Ratio	Lower	Upper
278	100		
139	16.4	14.2	21.4
279	24.1	20.1	30.1

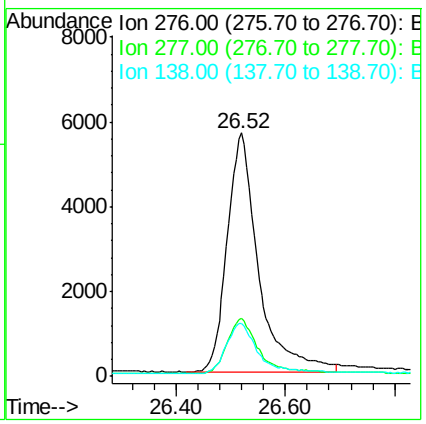




#37
Benzo(g,h,i)perylene
Concen: 1.01 ng
RT: 26.52 min Scan# 3989
Delta R.T. 0.00 min
Lab File: BE090378.D
Acq: 6 Aug 2015 6:08

Tgt Ion:276 Resp: 22421

Ion	Ratio	Lower	Upper
276	100		
277	23.9	20.1	30.1
138	21.7	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
MMDadoda
8/10/2015 10:11:02 AM