Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082815\
Data File : BE090656.D
Acq On : 28 Aug 2015 11:51
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
MMDadoda
8/31/2015 1:46:38 PM

Quant Time: Aug 31 04:57:43 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE081415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 14 16:52:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	22013	5.00	ng		0.00
6) Naphthalene-d8	10.33	136	100368	5.00	ng		0.00
12) Acenaphthene-d10	14.19	164	58832	5.00	ng		0.00
18) Phenanthrene-d10	16.94	188	153497	5.00	ng		0.00
25) Chrysene-d12	21.09	240	164256	5.00	ng		0.00
32) Perylene-d12	23.39	264	136988	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	3934m	0.62	ng		0.00
5) Phenol-d6	6.78	99	5870	0.63	ng		0.00
7) Nitrobenzene-d5	8.73	82	7085	0.89	ng		0.00
13) 2,4,6-Tribromophenol	15.71	330	1425	0.63	ng		0.00
14) 2-Fluorobiphenyl	12.82	172	15485	0.88	ng		0.00
27) Terphenyl-d14	19.56	244	25888	0.86	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	3332	1.28	ng		95
3) n-Nitrosodimethylamine	3.48	42	3751	0.99	ng	#	86
8) Nitrobenzene	8.77	77	6984	0.84	ng		97
9) Naphthalene	10.38	128	22557	0.99	ng		99
10) Hexachlorobutadiene	10.67	225	3630	1.08	ng		99
11) 2-Methylnaphthalene	12.01	142	13236	0.89	ng		97
15) Acenaphthylene	13.91	152	94781	0.88	ng		100
16) Acenaphthene	14.25	154	15871	0.98	ng		84
17) Fluorene	15.26	166	20738	1.05	ng		99
19) 4-Bromophenyl-phenylether	16.14	248	5621	0.90	ng		83
20) Hexachlorobenzene	16.25	284	28003	1.01	ng		97
21) Pentachlorophenol	16.61	266	1220	0.65	ng		95
22) Phenanthrene	16.98	178	38599	0.96	ng		100
23) Anthracene	17.07	178	32946	0.89	ng		100
24) Fluoranthene	18.98	202	39175	0.91	ng		99
26) Pyrene	19.34	202	41167	0.88	ng		100
28) Benzo(a)anthracene	21.07	228	38566	0.89	ng		99
29) Chrysene	21.13	228	43824	0.99	ng		99
30) Bis(2-ethylhexyl)phthalate	21.02	149	9449	0.50	ng		99
31) Indeno(1,2,3-cd)pyrene	25.78	276	33034	0.79	ng	#	92
33) Benzo(b)fluoranthene	22.70	252	30400	0.94	ng		99
34) Benzo(k)fluoranthene	22.74	252	36682	1.00	ng		99
35) Benzo(a)pyrene	23.29	252	26955	0.89	ng	#	96
36) Dibenzo(a,h)anthracene	25.81	278	24131	0.82	ng		97
37) Benzo(g,h,i)perylene	26.51	276	27416	0.86	ng		95

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

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Data File : BE090656.D
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Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 04:57:43 2015
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QLast Update : Fri Aug 14 16:52:42 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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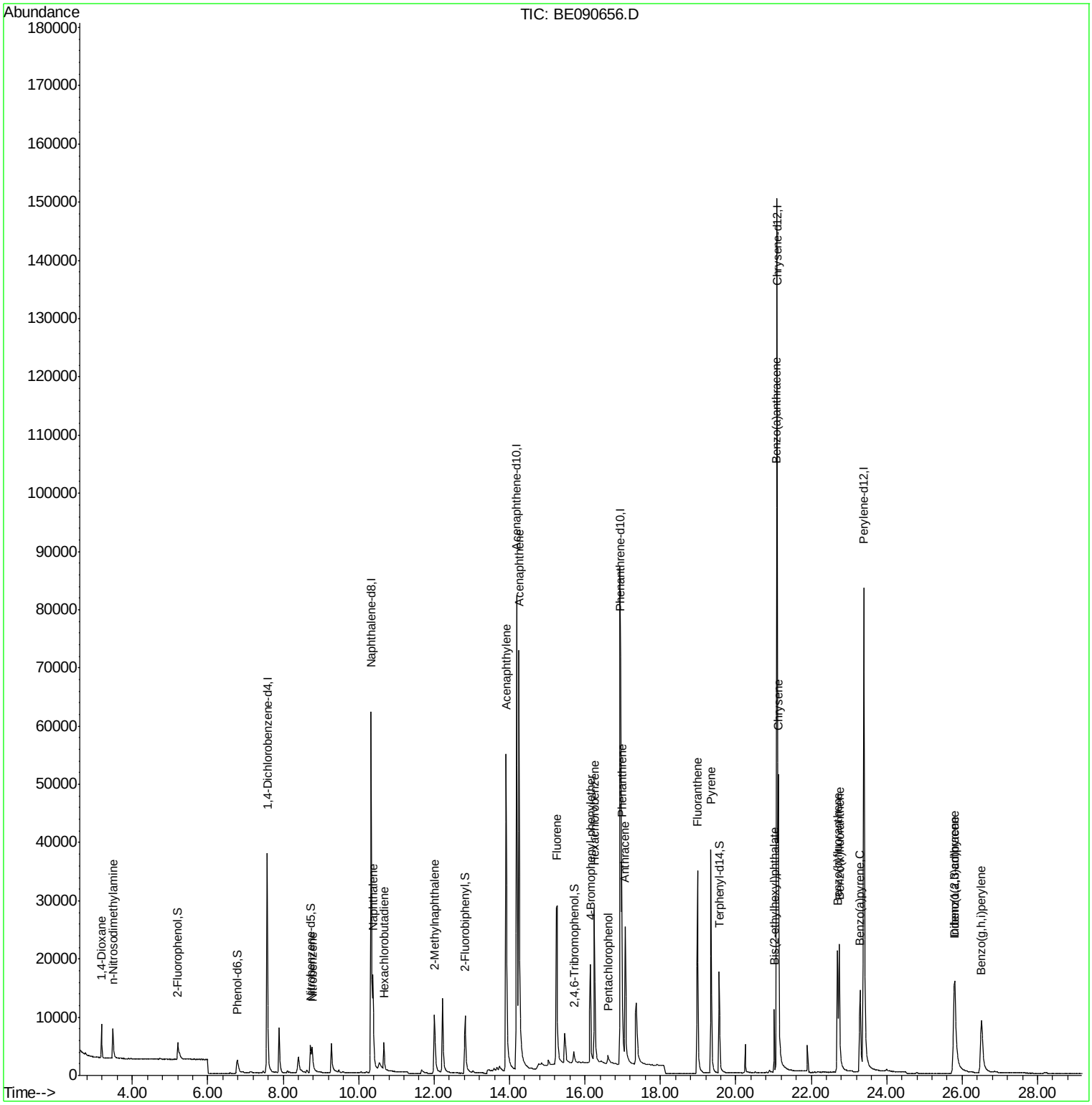
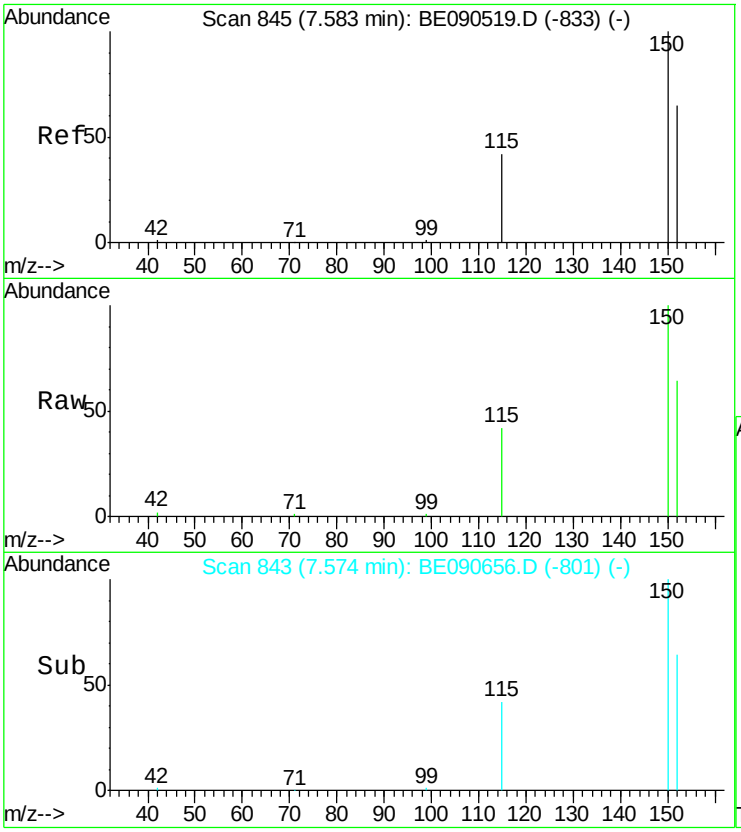
8/31/2015 1:46:38 PM

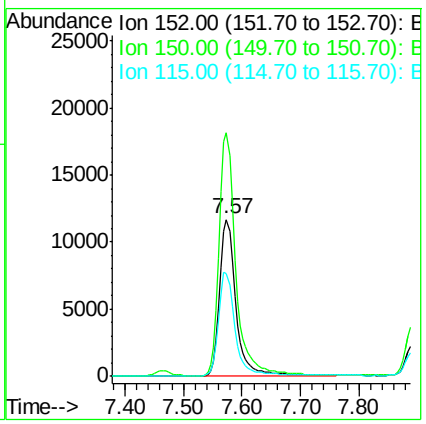




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.57 min Scan# 843
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:152 Resp: 22013

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.0	184.4
115	65.1	48.9	73.3



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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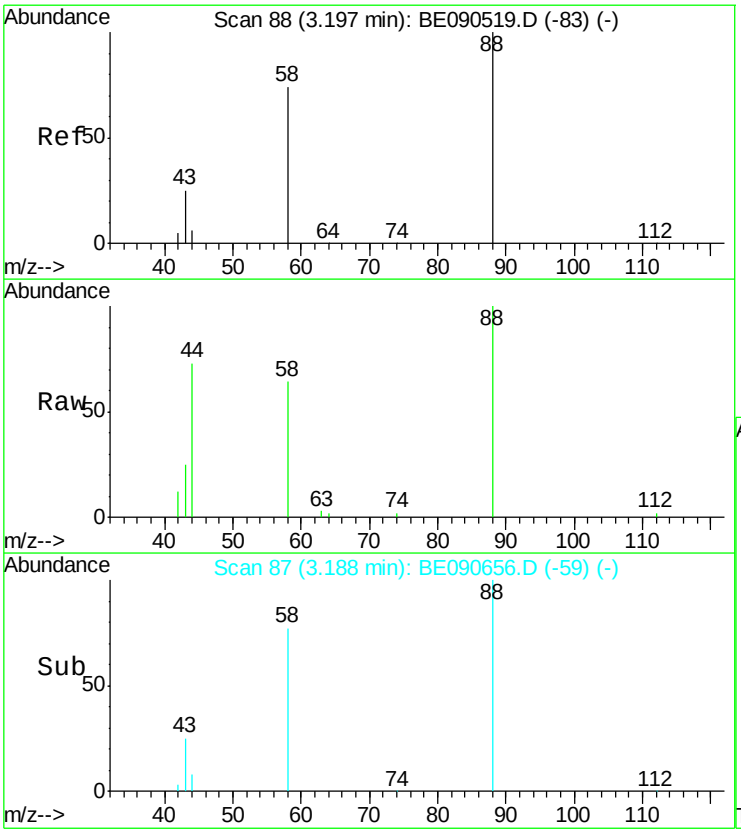
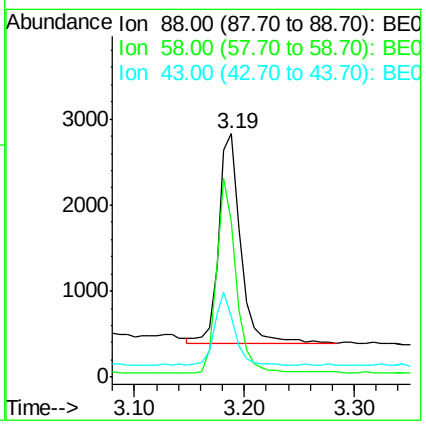
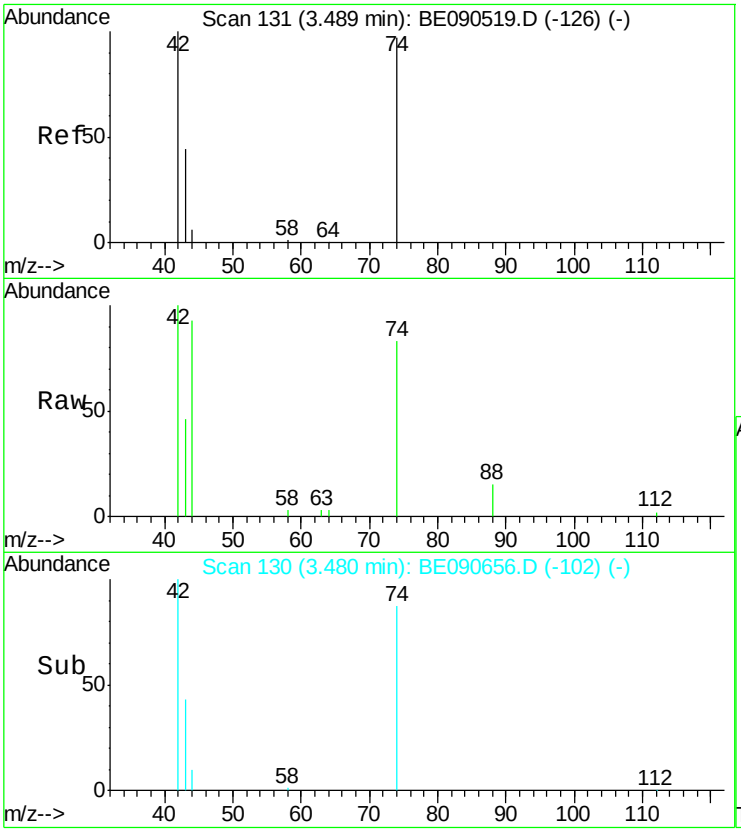


#2
1,4-Dioxane
Concen: 1.28 ng
RT: 3.19 min Scan# 87
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion: 88 Resp: 3332

Ion	Ratio	Lower	Upper
88	100		
58	83.5	70.0	105.0
43	32.6	28.4	42.6

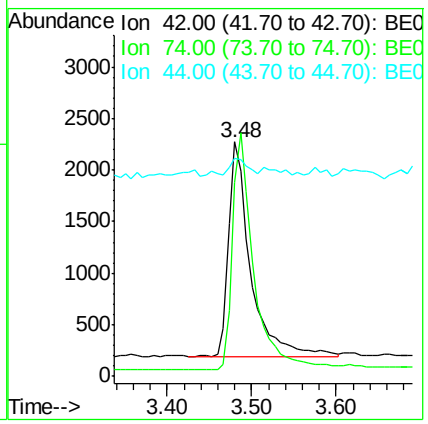




#3
n-Nitrosodimethylamine
Concen: 0.99 ng
RT: 3.48 min Scan# 130
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion: 42 Resp: 3751

Ion	Ratio	Lower	Upper
42	100		
74	108.0	75.2	112.8
44	7.9	8.7	13.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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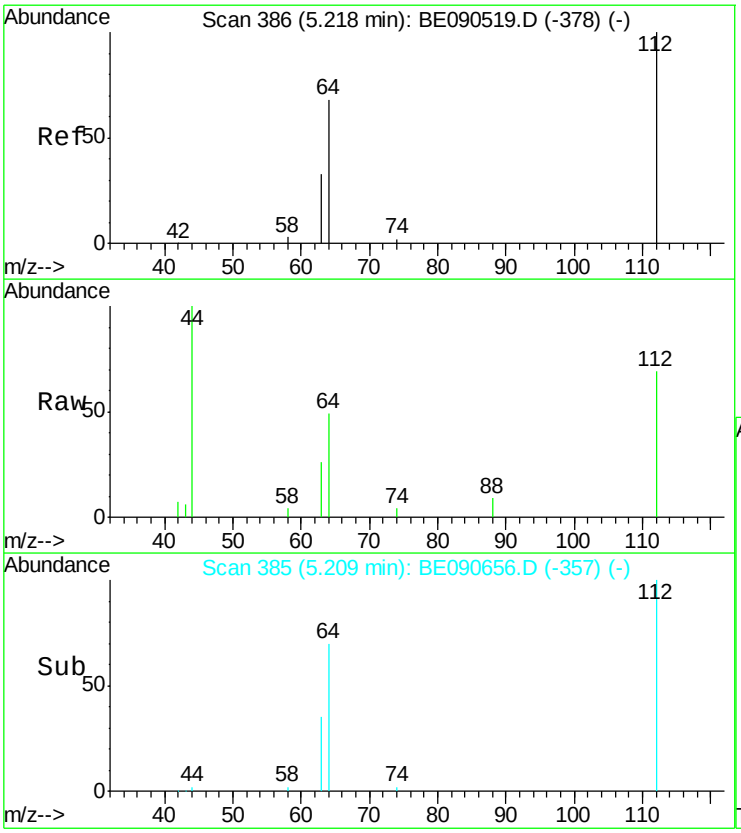
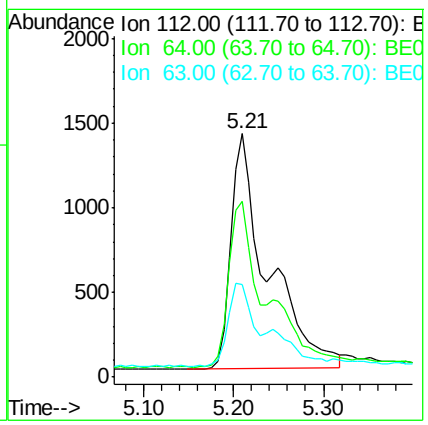
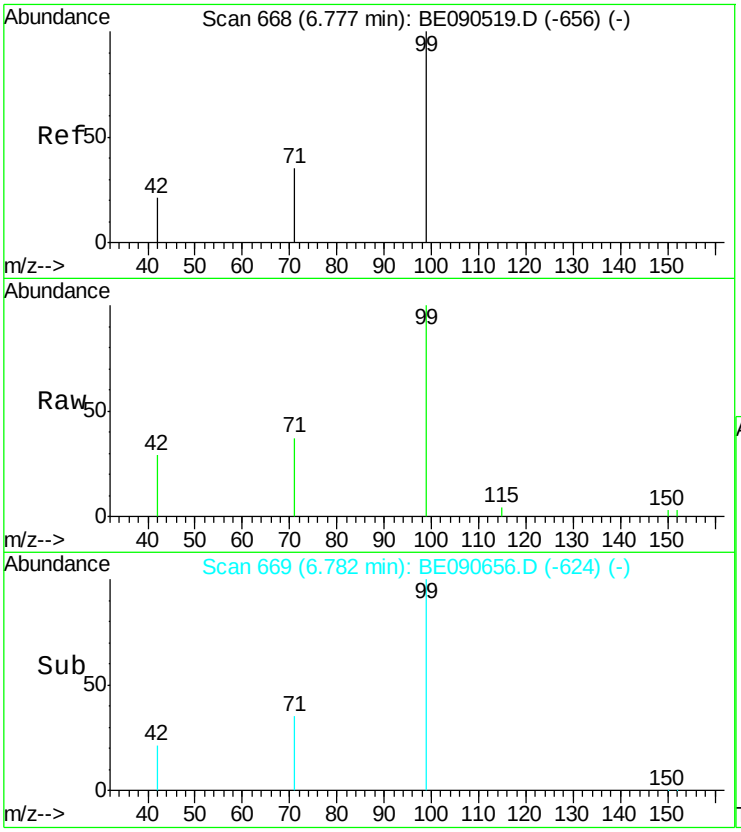


#4
2-Fluorophenol
Concen: 0.62 ng m
RT: 5.21 min Scan# 385
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:112 Resp: 3934

Ion	Ratio	Lower	Upper
112	100		
64	49.6	37.1	55.7
63	23.4	19.5	29.3

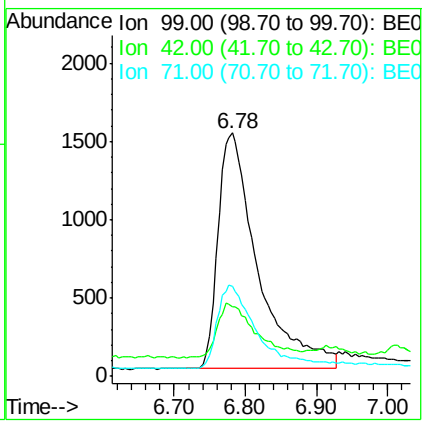




#5
Phenol-d6
Concen: 0.63 ng
RT: 6.78 min Scan# 669
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion: 99 Resp: 5870

Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.2	27.4
71	34.3	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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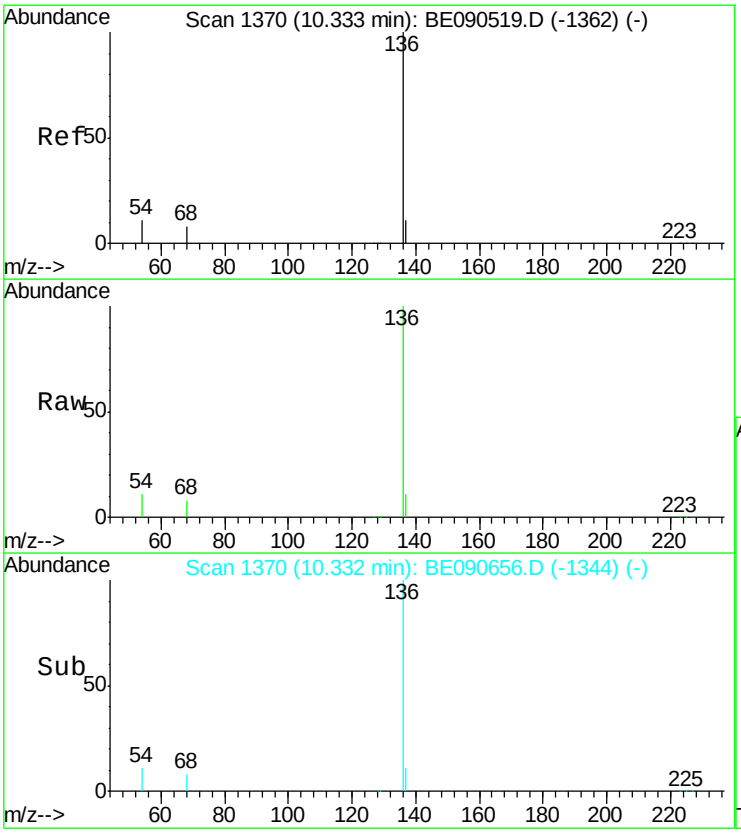
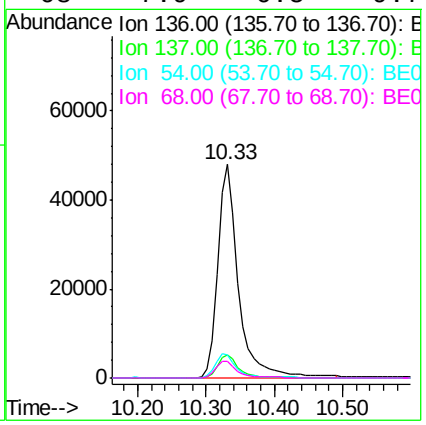
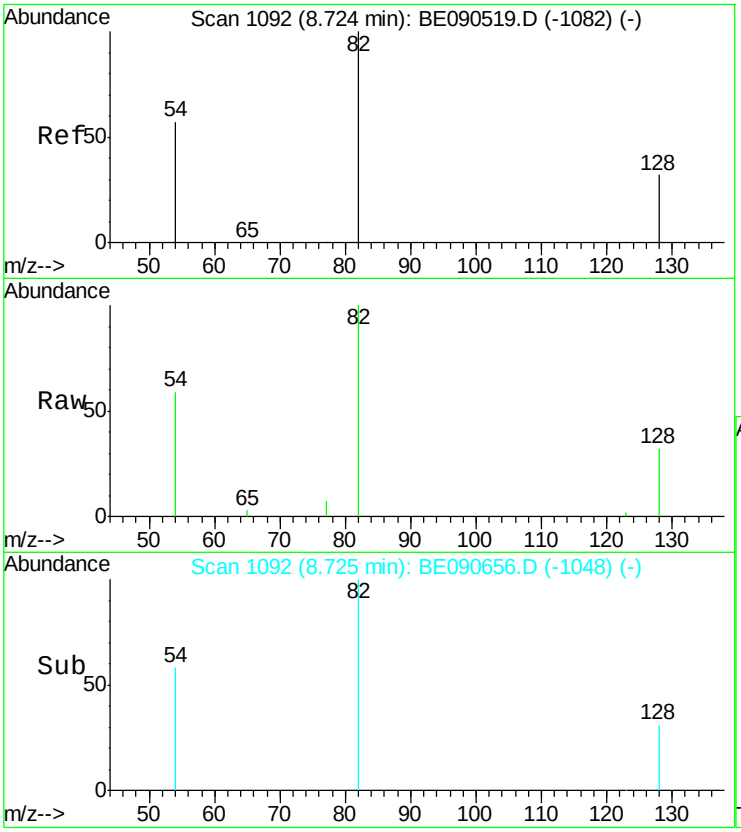


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.33 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:136 Resp: 100368

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	10.8	9.4	14.0
68	7.9	6.5	9.7

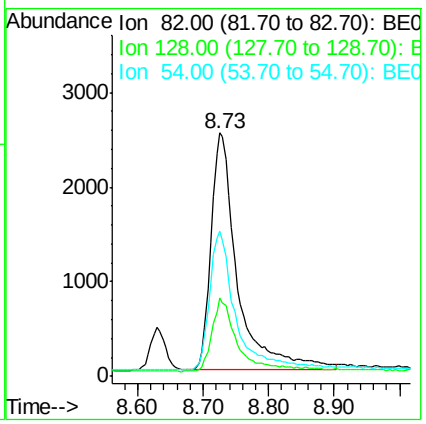




#7
Nitrobenzene-d5
Concen: 0.89 ng
RT: 8.73 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion: 82 Resp: 7085

Ion	Ratio	Lower	Upper
82	100		
128	32.3	25.0	37.6
54	59.4	48.8	73.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
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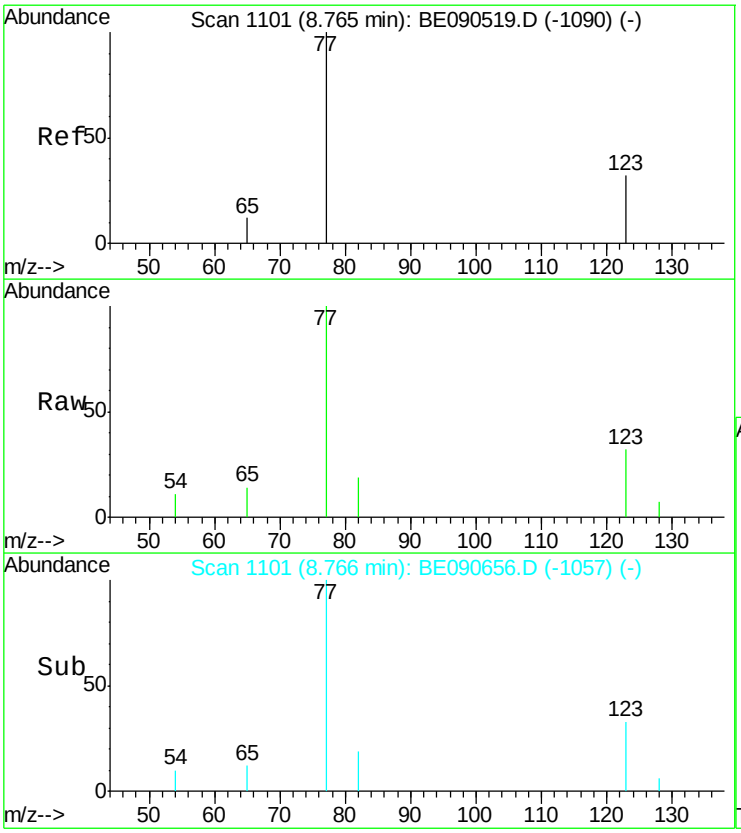
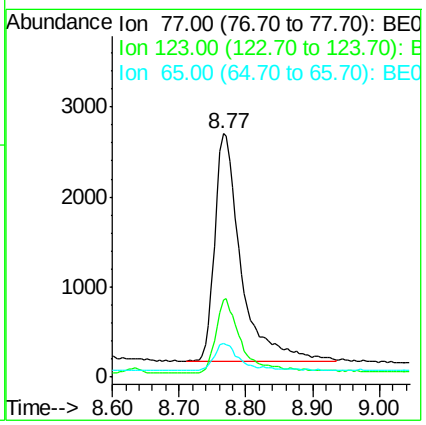
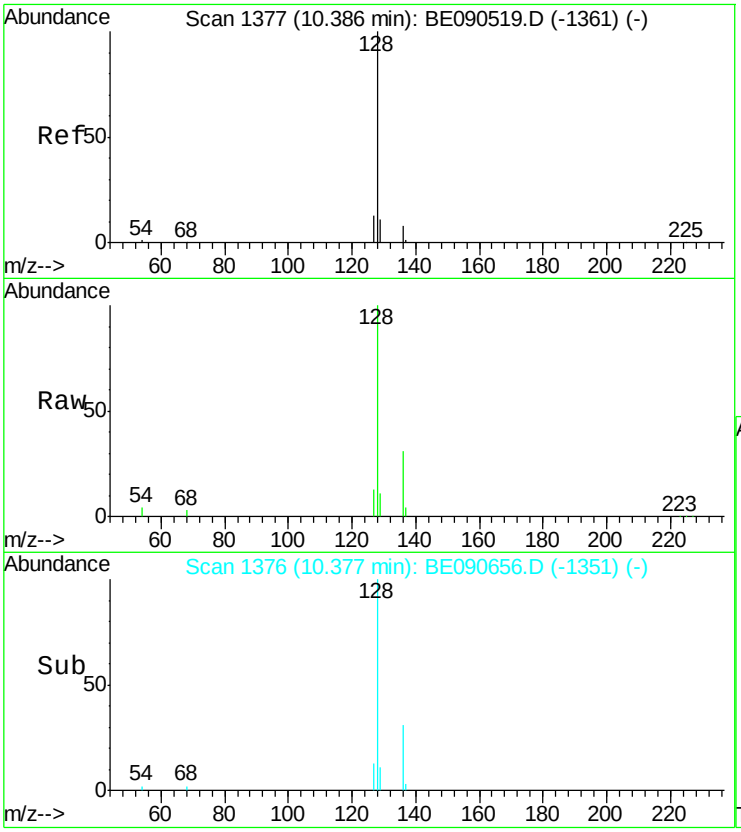


#8
Nitrobenzene
Concen: 0.84 ng
RT: 8.77 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion: 77 Resp: 6984

Ion	Ratio	Lower	Upper
77	100		
123	30.0	25.1	37.7
65	10.5	9.3	13.9

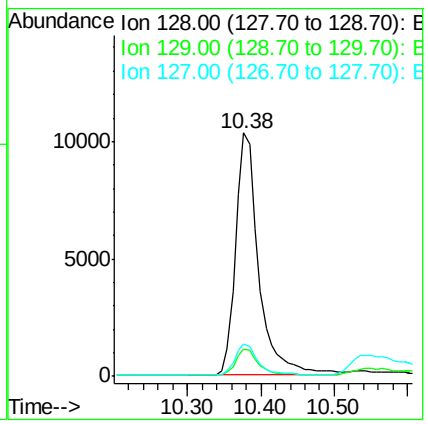




#9
Naphthalene
Concen: 0.99 ng
RT: 10.38 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:128 Resp: 22557

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.8	14.6
127	13.2	10.6	16.0



Instrument :
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ClientSampleId :
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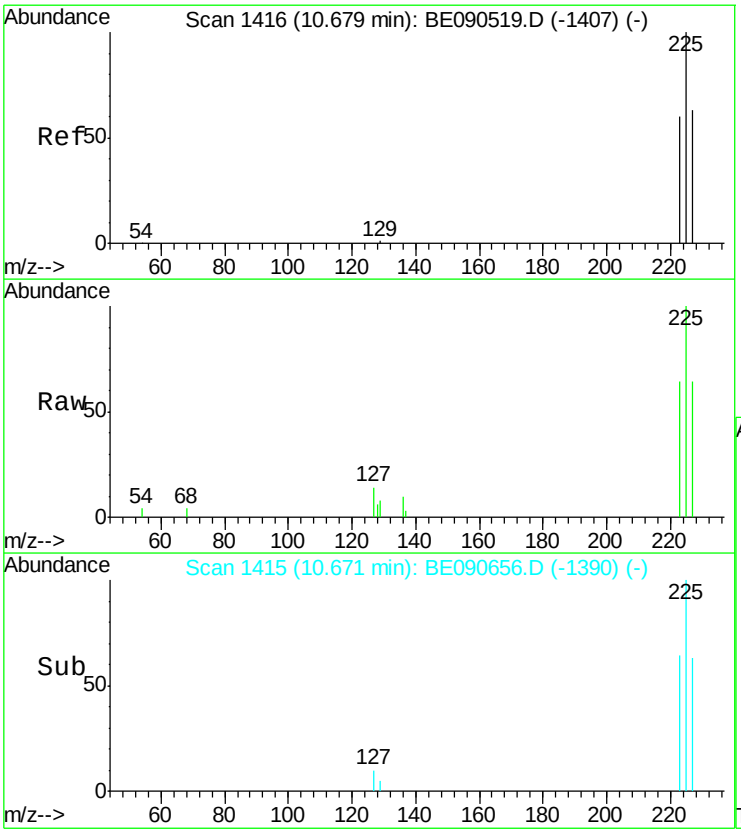
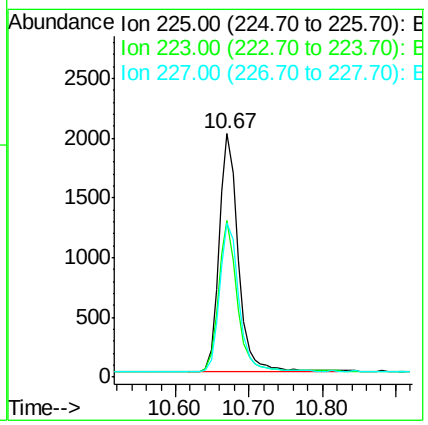
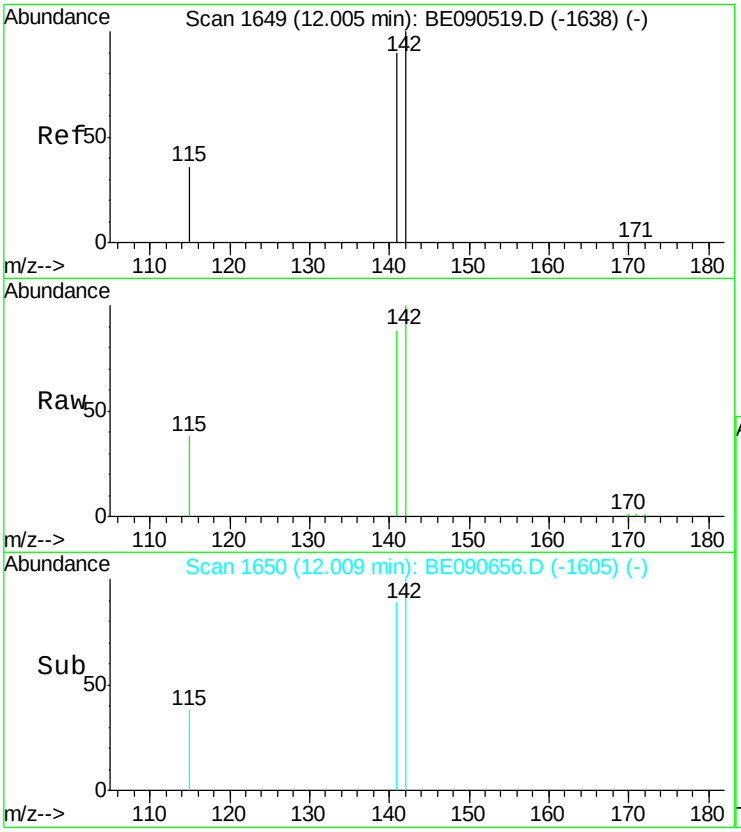


#10
Hexachlorobutadiene
Concen: 1.08 ng
RT: 10.67 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:225 Resp: 3630

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	75.8
227	63.8	50.7	76.1





#11
2-Methylnaphthalene
Concen: 0.89 ng
RT: 12.01 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Instrument :
BNA_E
ClientSampleId :
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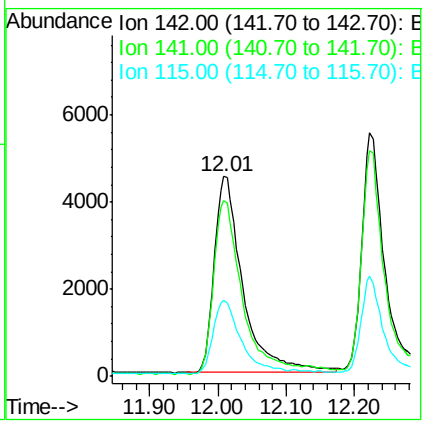
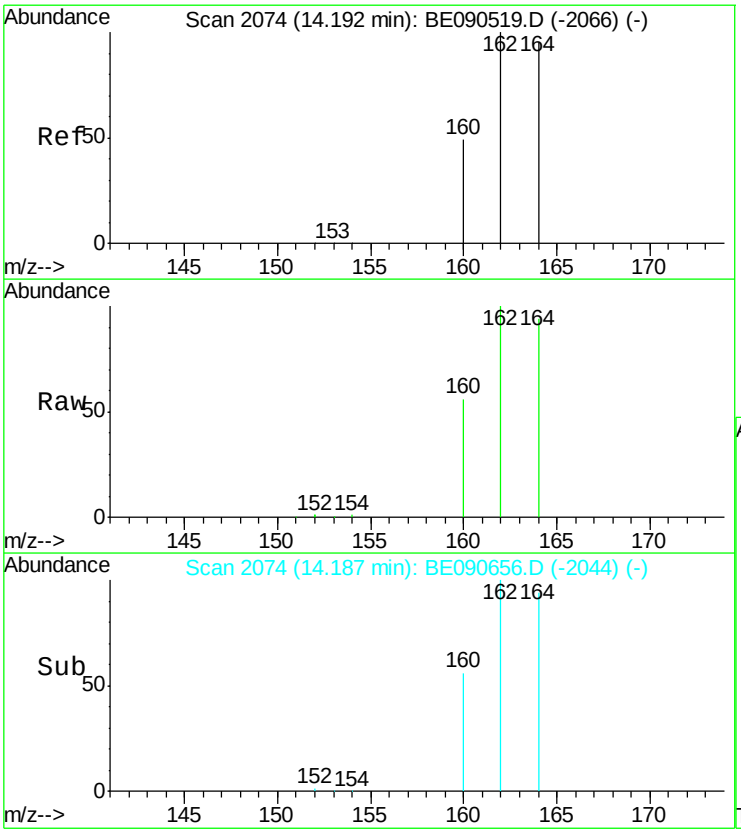
Manual Integrations APPROVED
MMDadoda
8/31/2015 1:46:38 PM

Tgt Ion:142 Resp: 13236

Ion	Ratio	Lower	Upper
142	100		
141	87.7	72.6	109.0
115	37.9	31.6	47.4

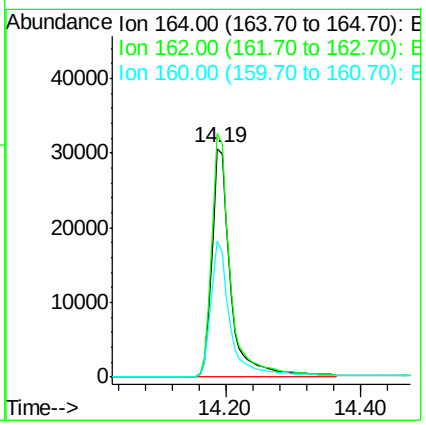


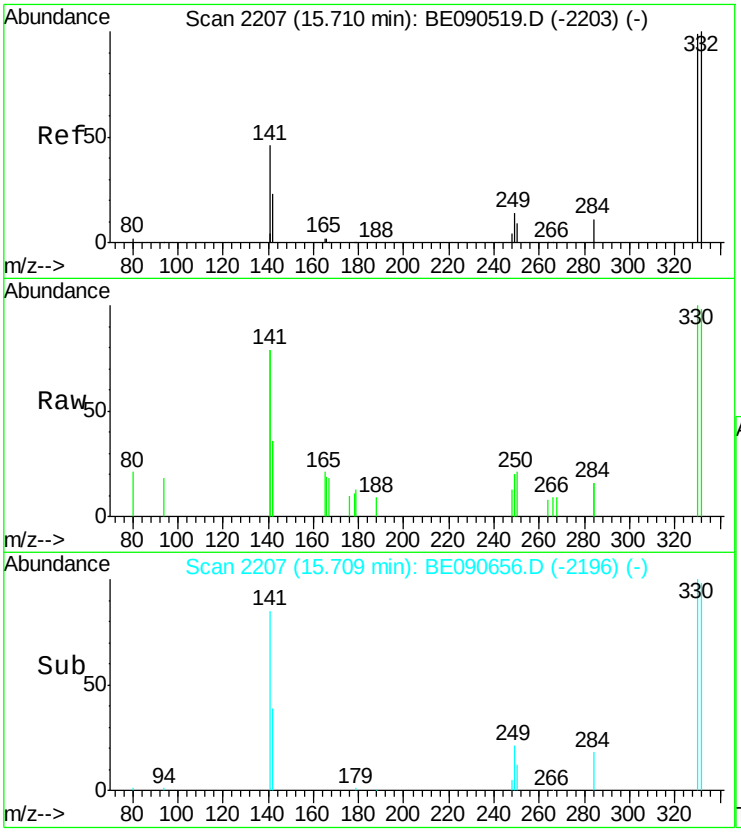


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.19 min Scan# 2074
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:164 Resp: 58832

Ion	Ratio	Lower	Upper
164	100		
162	106.6	81.8	122.8
160	59.6	44.2	66.4

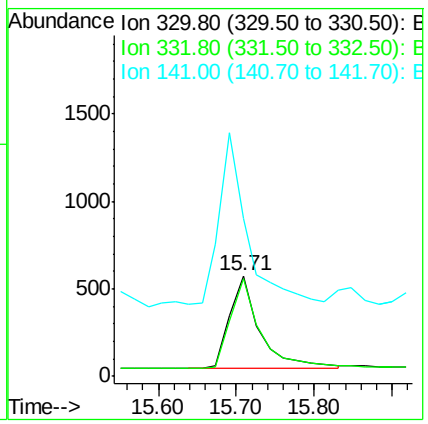




#13
2,4,6-Tribromophenol
Concen: 0.63 ng
RT: 15.71 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:330 Resp: 1425

Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.8	113.6
141	182.2	114.4	171.6#



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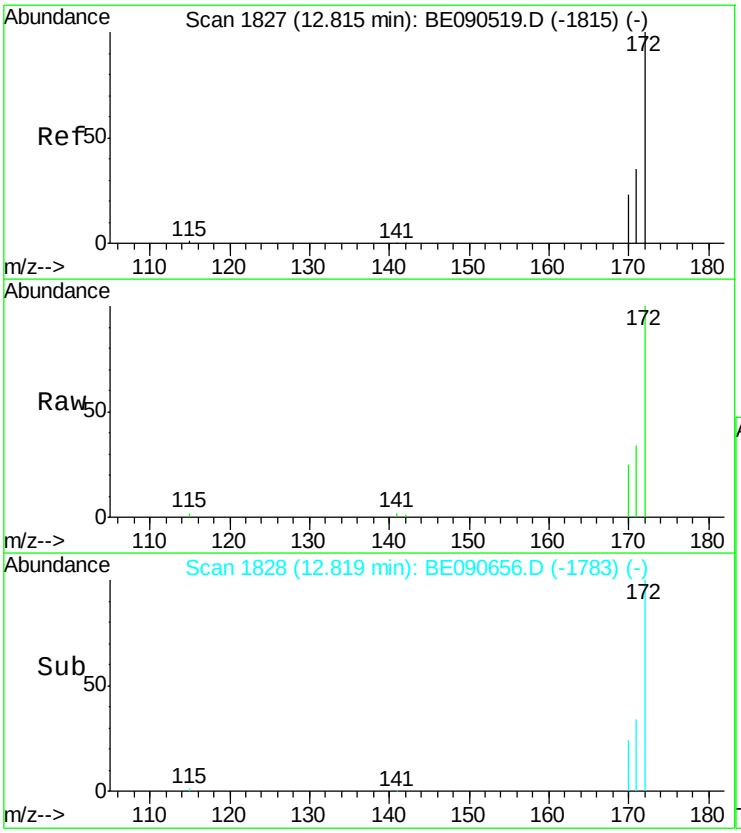
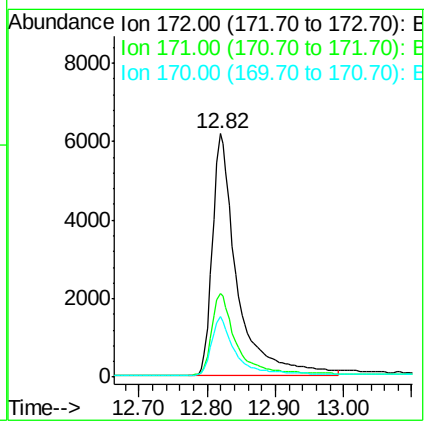
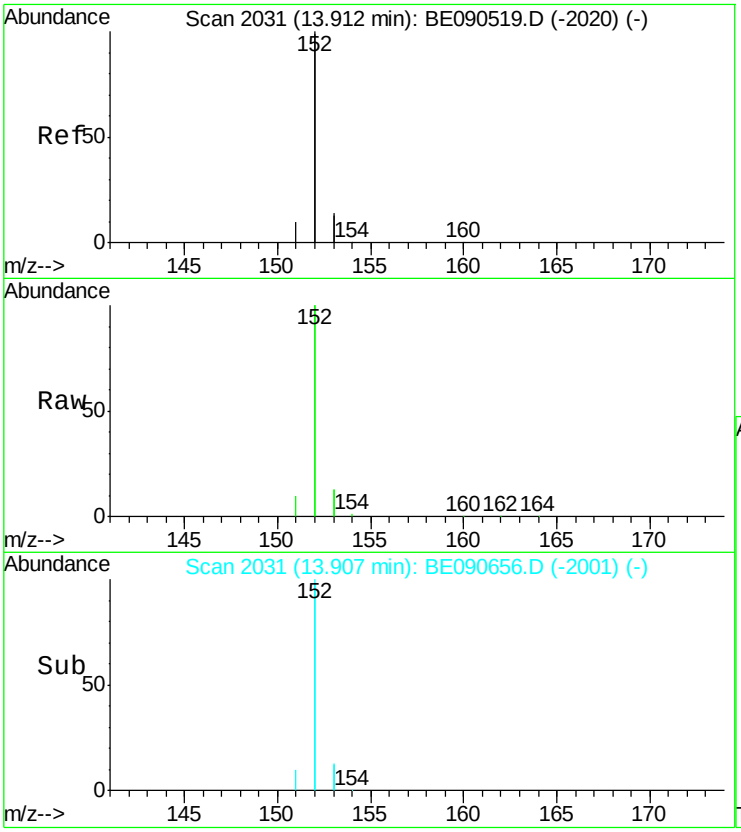


#14
2-Fluorobiphenyl
Concen: 0.88 ng
RT: 12.82 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:172 Resp: 15485

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.5	42.7
170	24.8	19.8	29.8

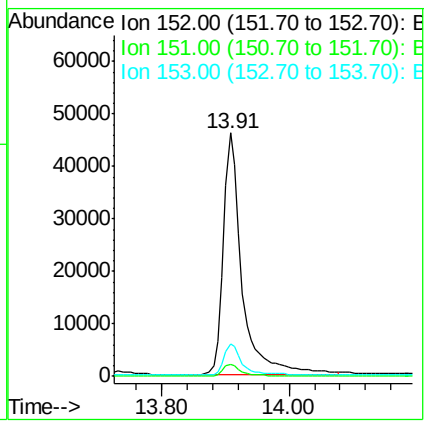




#15
Acenaphthylene
Concen: 0.88 ng
RT: 13.91 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:152 Resp: 94781

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.0	10.3	15.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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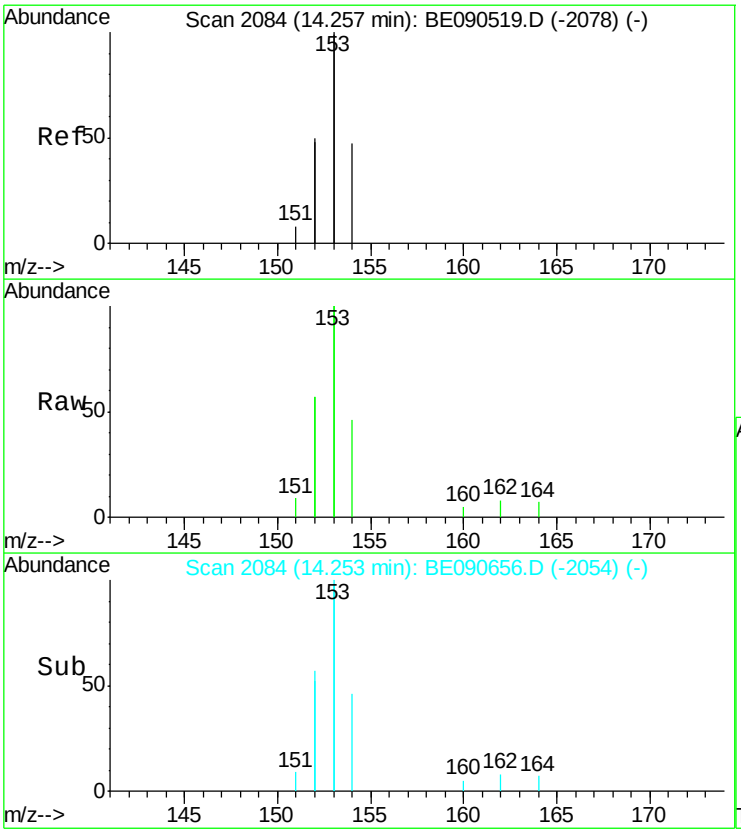
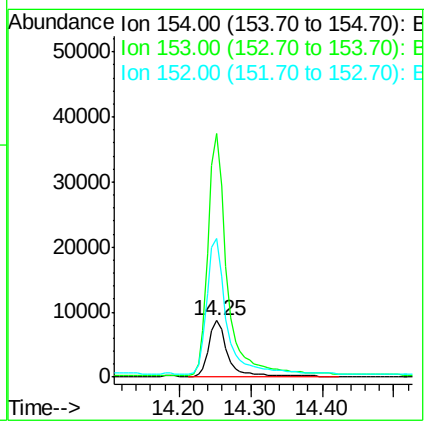
8/31/2015 1:46:38 PM

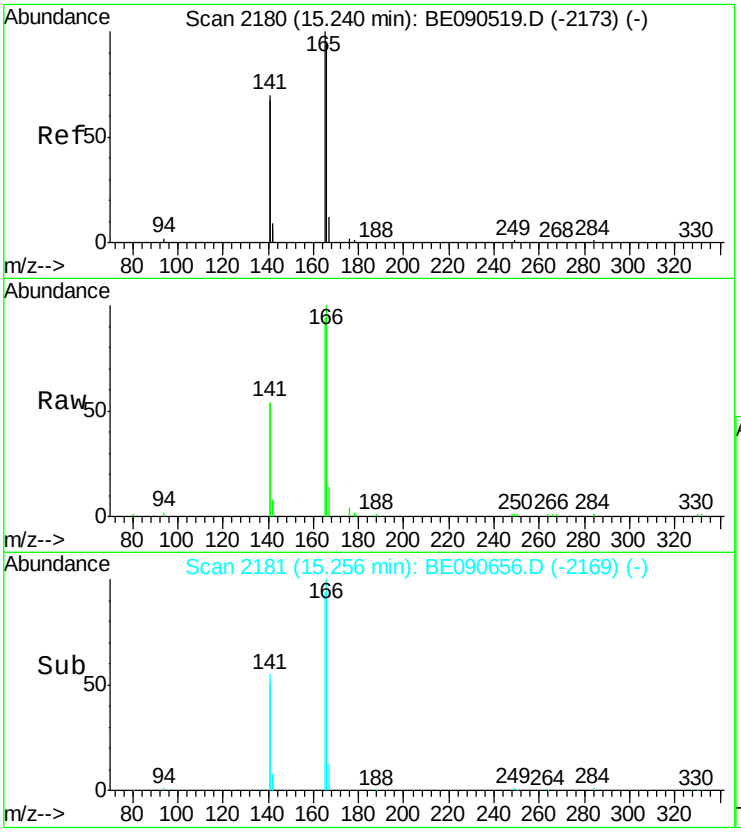


#16
Acenaphthene
Concen: 0.98 ng
RT: 14.25 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:154 Resp: 15871

Ion	Ratio	Lower	Upper
154	100		
153	441.7	376.2	564.2
152	249.0	235.0	352.4

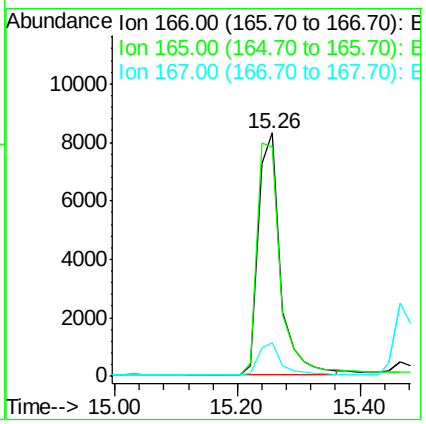




#17
Fluorene
Concen: 1.05 ng
RT: 15.26 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:166 Resp: 20738

Ion	Ratio	Lower	Upper
166	100		
165	101.2	81.5	122.3
167	13.2	11.4	17.0



Instrument :
BNA_E
ClientSampleId :
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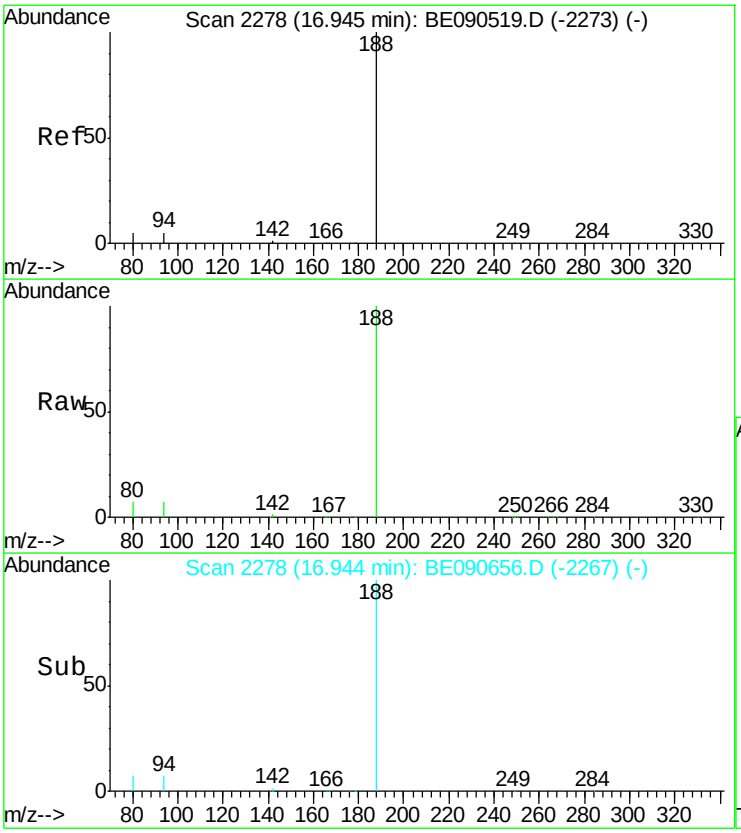
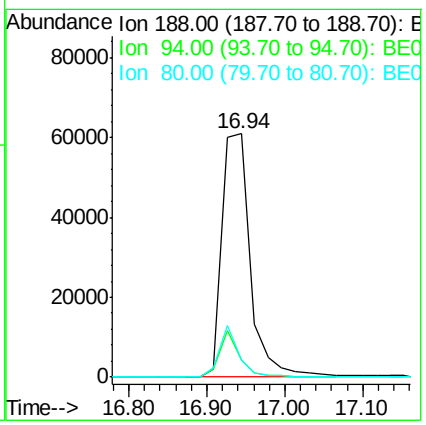
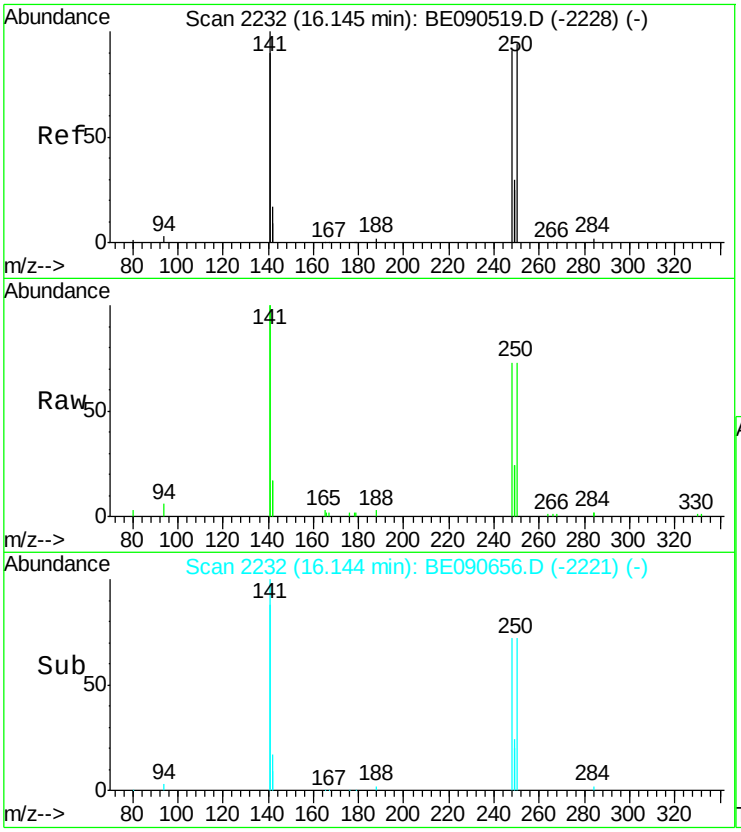


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:188 Resp: 153497

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.7	8.5
80	7.2	5.8	8.8

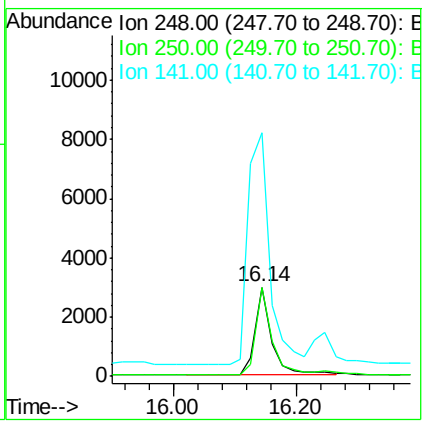




#19
4-Bromophenyl-phenylether
Concen: 0.90 ng
RT: 16.14 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:248 Resp: 5621

Ion	Ratio	Lower	Upper
248	100		
250	94.8	79.0	118.6
141	341.9	239.5	359.3



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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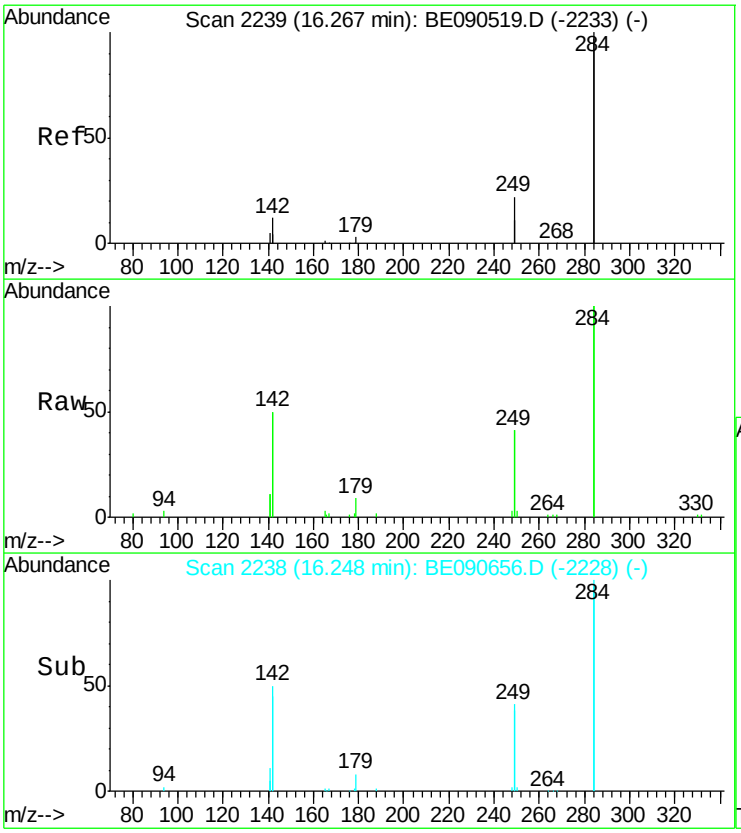
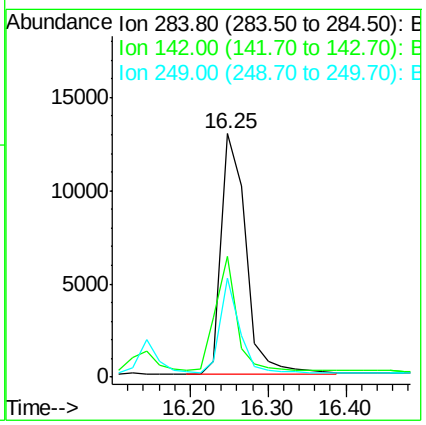
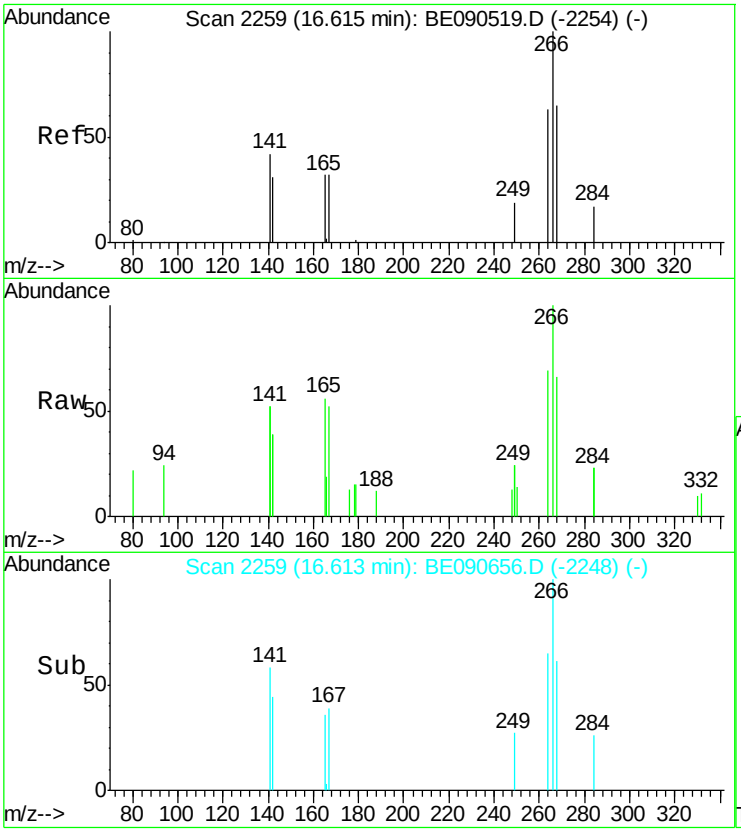


#20
Hexachlorobenzene
Concen: 1.01 ng
RT: 16.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:284 Resp: 28003

Ion	Ratio	Lower	Upper
284	100		
142	40.5	30.1	45.1
249	31.6	25.7	38.5

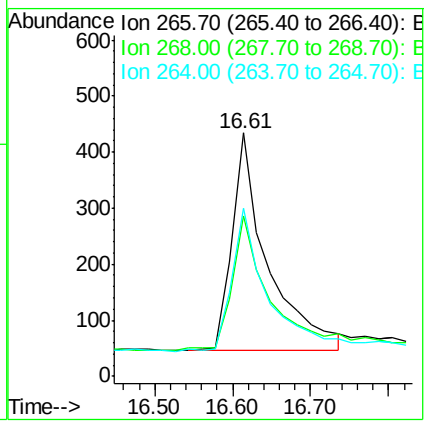




#21
Pentachlorophenol
Concen: 0.65 ng
RT: 16.61 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:266 Resp: 1220

Ion	Ratio	Lower	Upper
266	100		
268	65.9	58.5	87.7
264	68.9	56.0	84.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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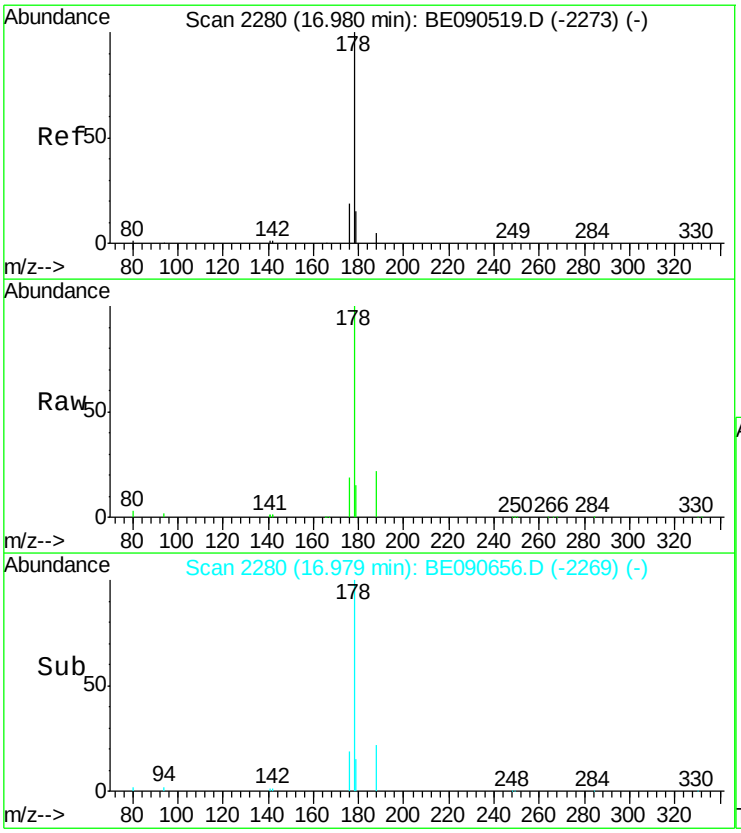
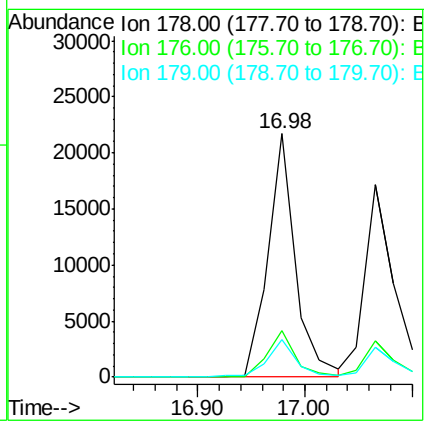
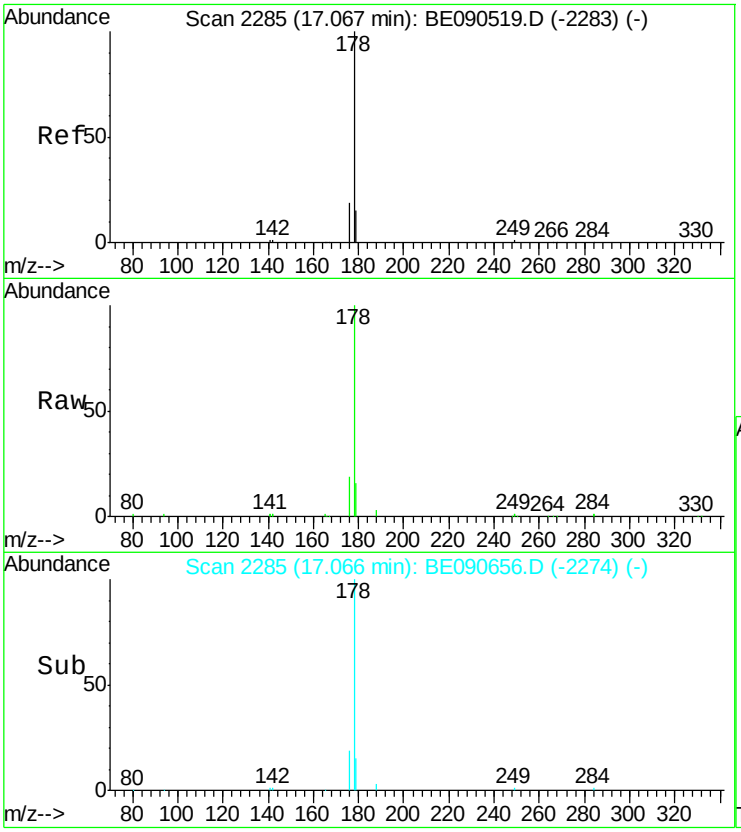


#22
Phenanthrene
Concen: 0.96 ng
RT: 16.98 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:178 Resp: 38599

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.5	12.5	18.7

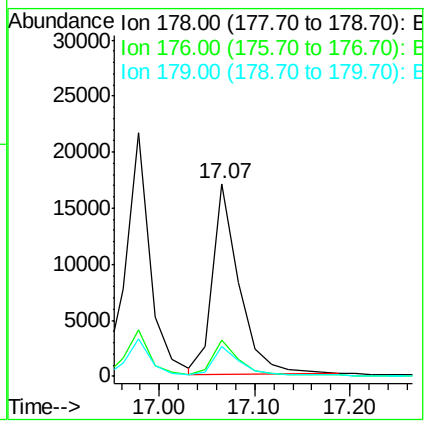




#23
Anthracene
Concen: 0.89 ng
RT: 17.07 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:178 Resp: 32946

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.2	18.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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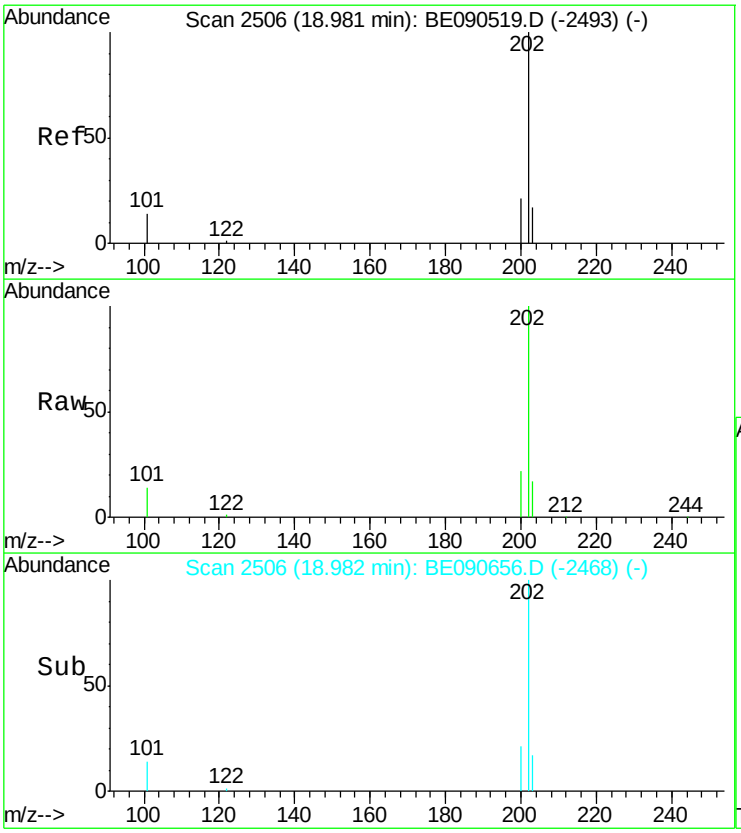
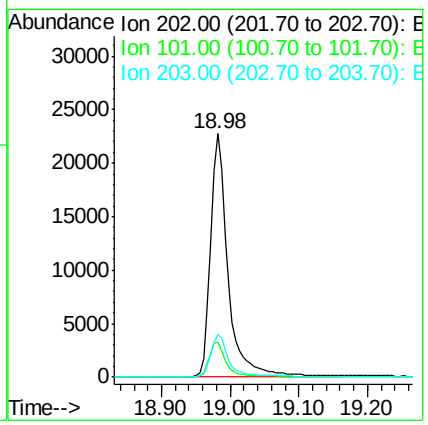
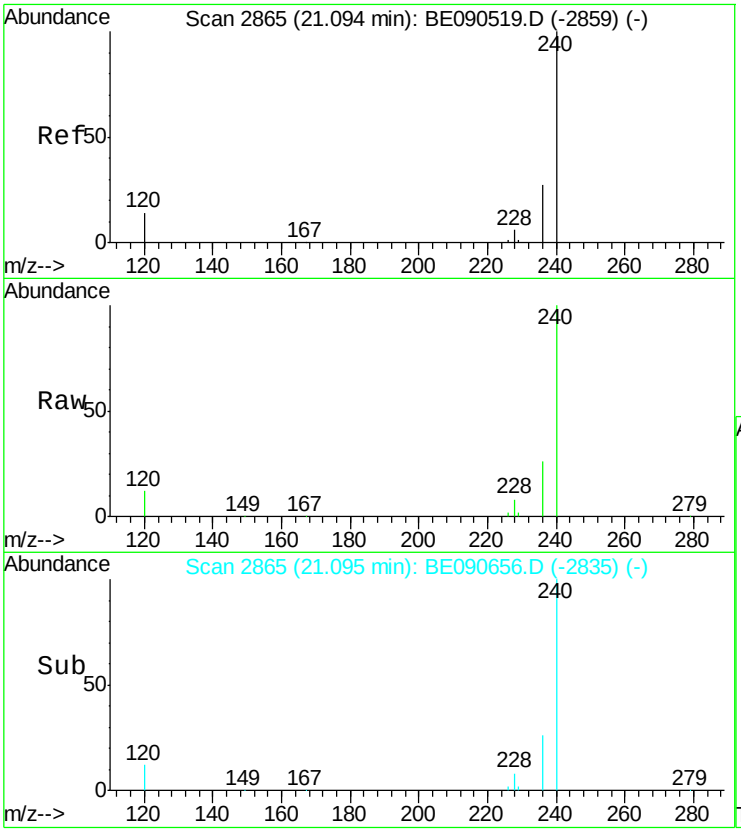


#24
Fluoranthene
Concen: 0.91 ng
RT: 18.98 min Scan# 2506
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:202 Resp: 39175

Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.3	15.5
203	17.2	13.7	20.5

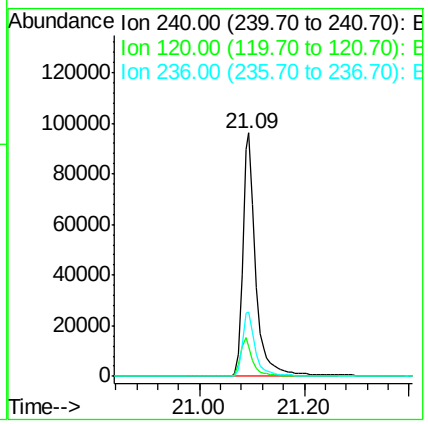




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:240 Resp: 164256

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	26.2	21.0	31.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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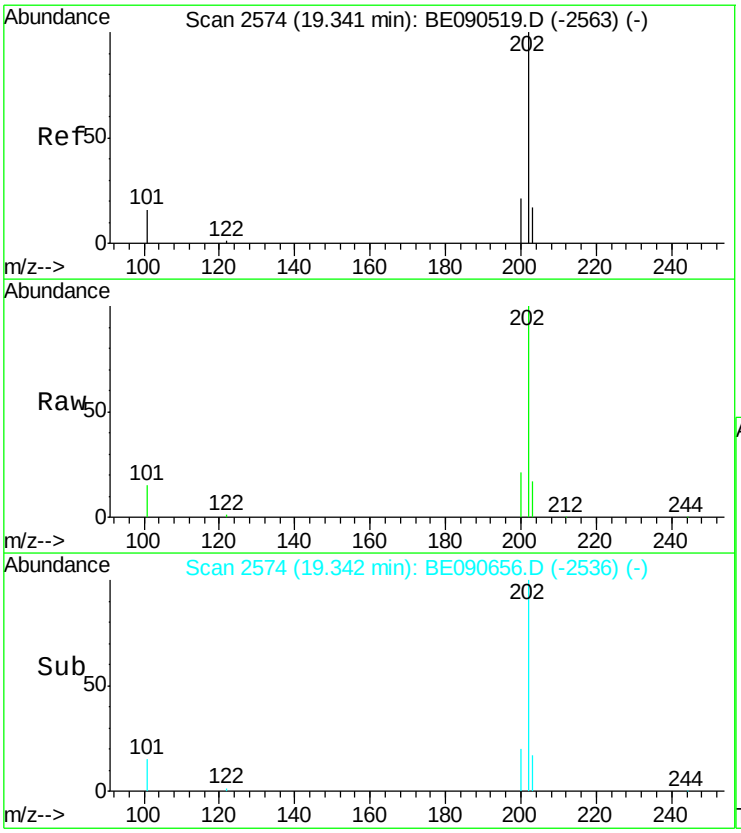
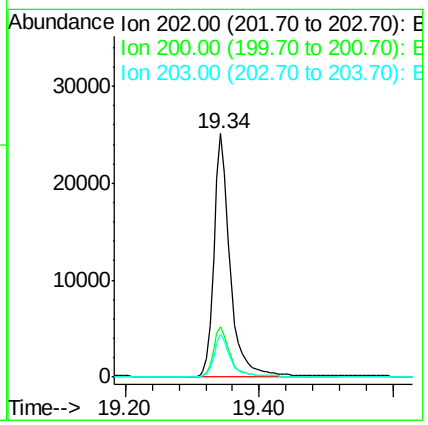
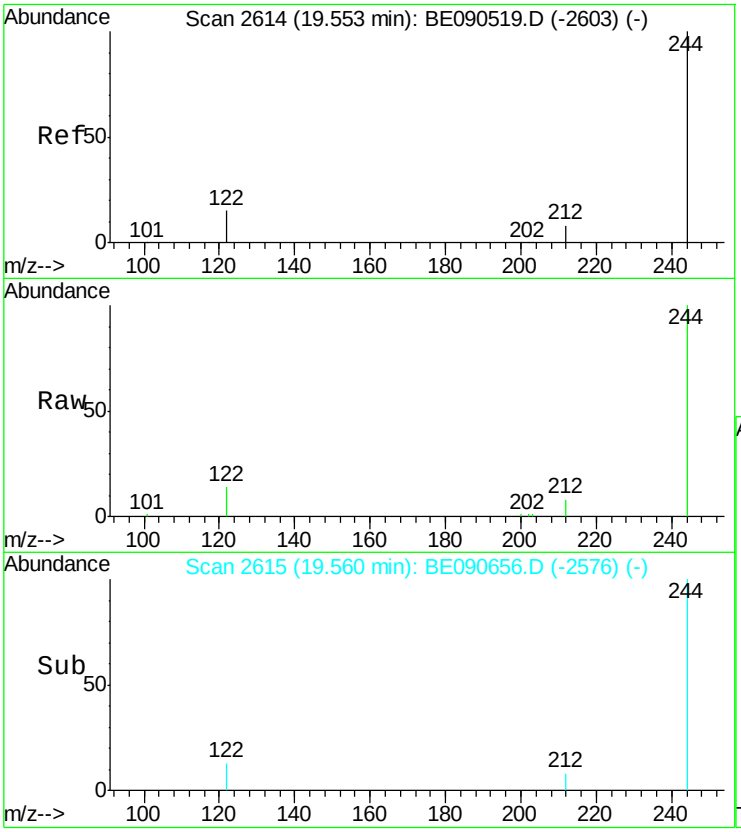


#26
Pyrene
Concen: 0.88 ng
RT: 19.34 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:202 Resp: 41167

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.4	13.8	20.8

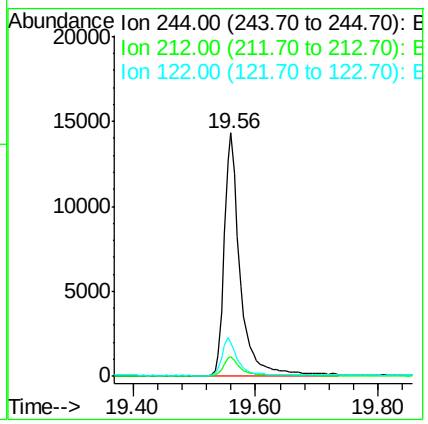




#27
Terphenyl-d14
Concen: 0.86 ng
RT: 19.56 min Scan# 2615
Delta R.T. 0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:244 Resp: 25888

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.6	9.8
122	13.7	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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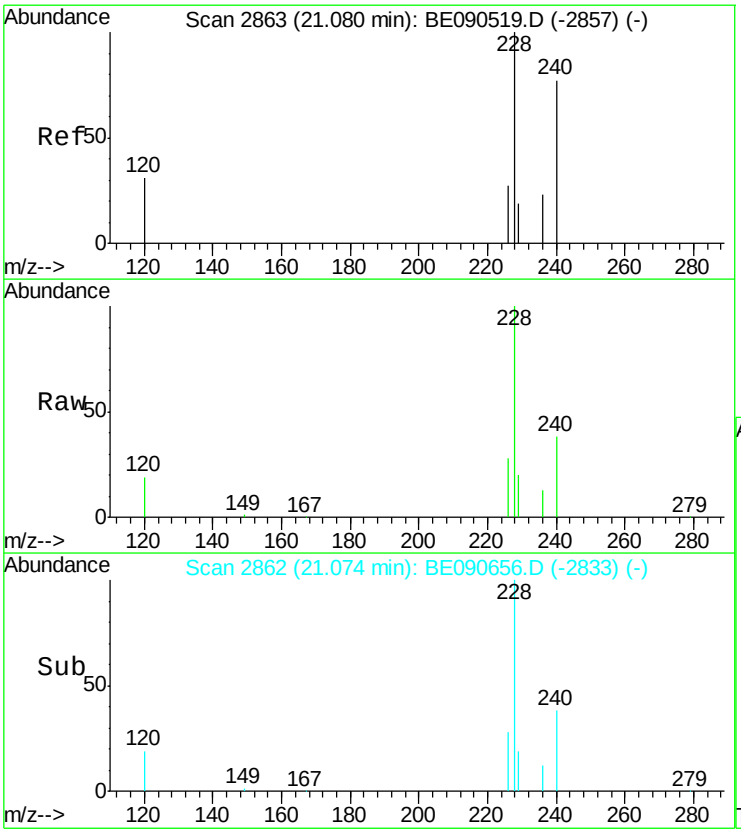
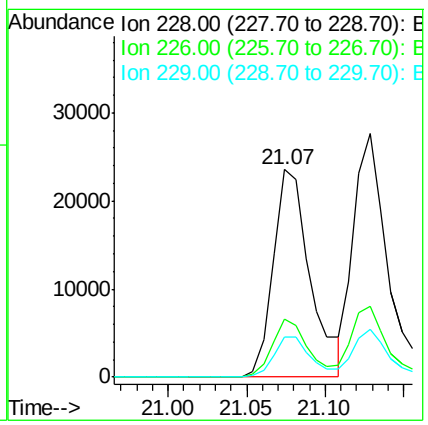
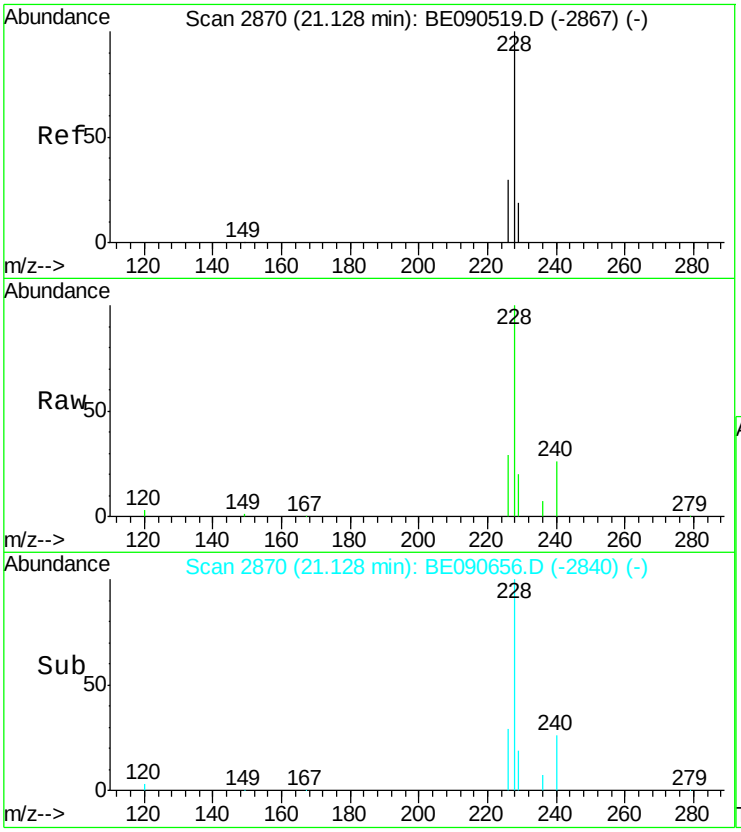


#28
Benzo(a)anthracene
Concen: 0.89 ng
RT: 21.07 min Scan# 2862
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:228 Resp: 38566

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	19.6	15.4	23.0





#29
Chrysene
Concen: 0.99 ng
RT: 21.13 min Scan# 2870
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:228 Resp: 43824

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.1	34.7
229	19.6	15.8	23.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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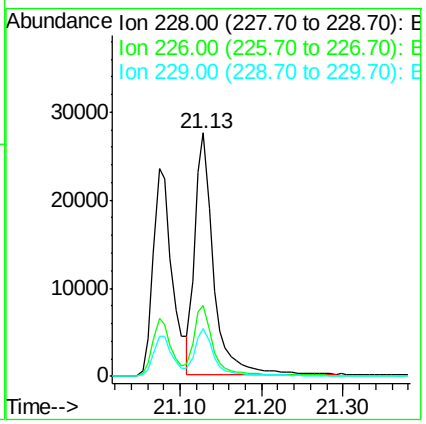
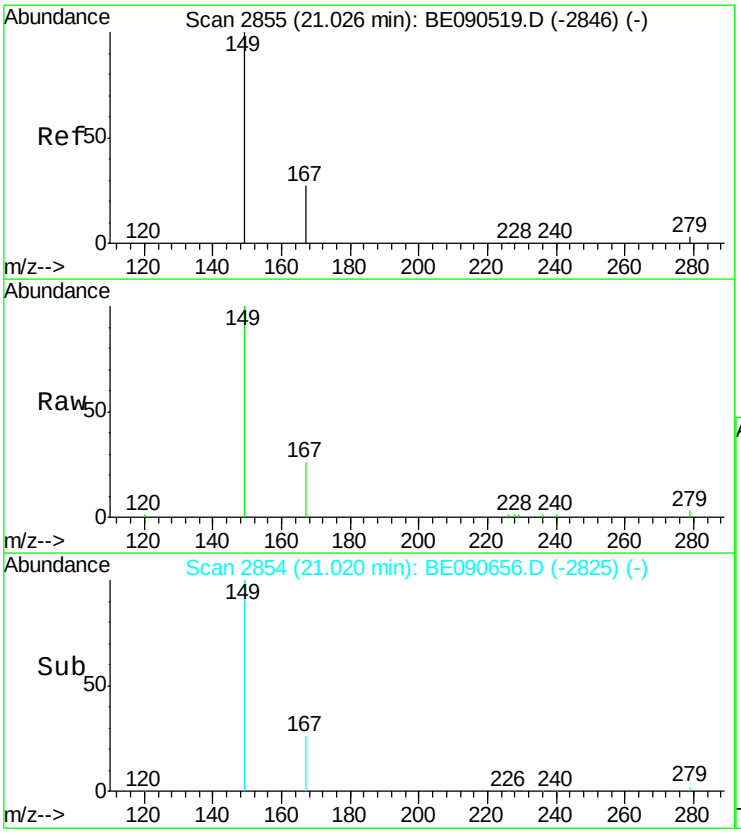
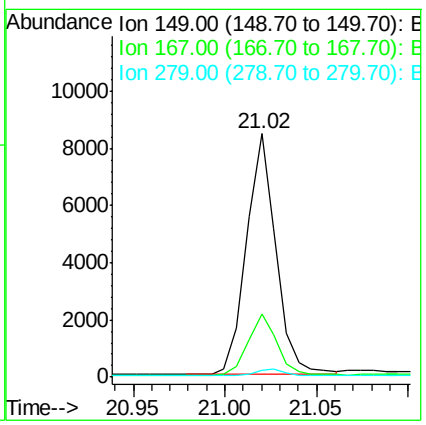


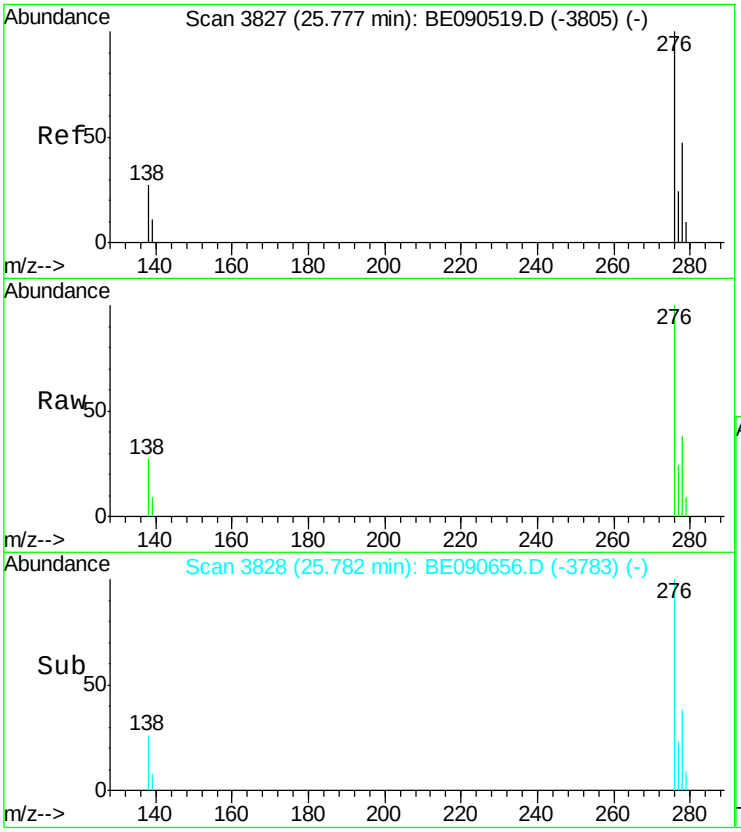


#30
Bis(2-ethylhexyl)phthalate
Concen: 0.50 ng
RT: 21.02 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:149 Resp: 9449

Ion	Ratio	Lower	Upper
149	100		
167	25.4	19.8	29.8
279	2.9	2.4	3.6





#31
Indeno(1,2,3-cd)pyrene
Concen: 0.79 ng
RT: 25.78 min Scan# 3828
Delta R.T. 0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:276 Resp: 33034

Ion	Ratio	Lower	Upper
276	100		
138	29.1	18.8	28.2#
277	24.6	18.2	27.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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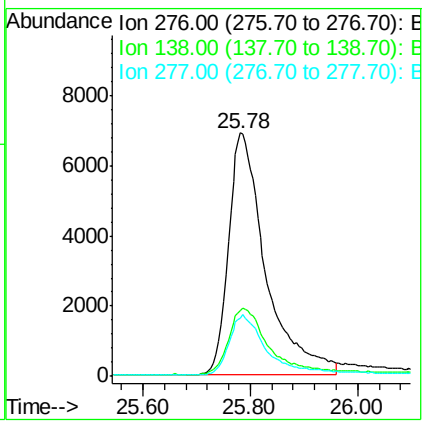
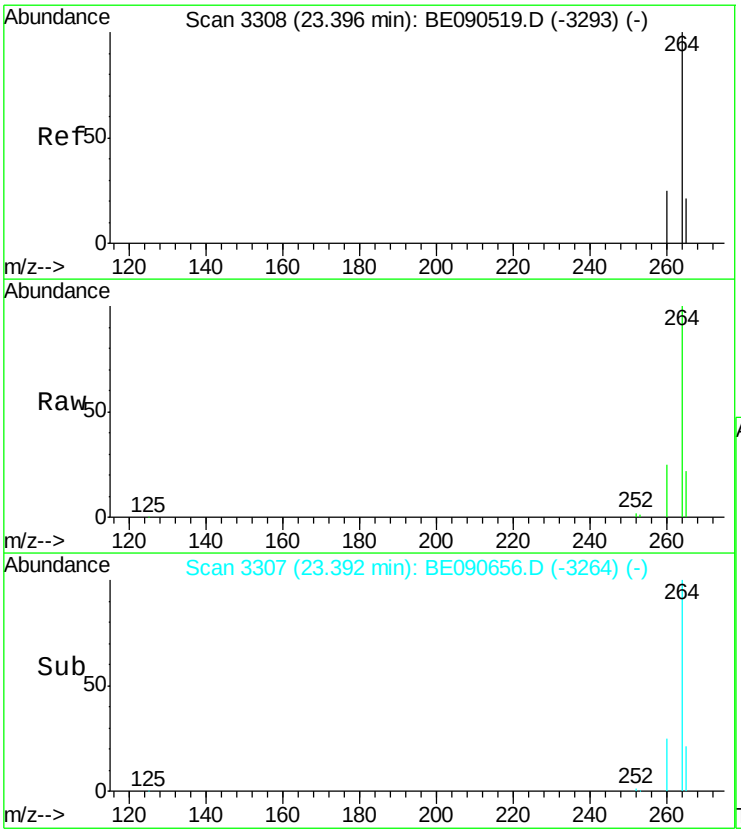
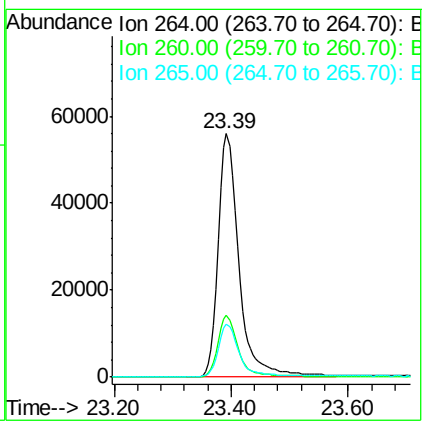


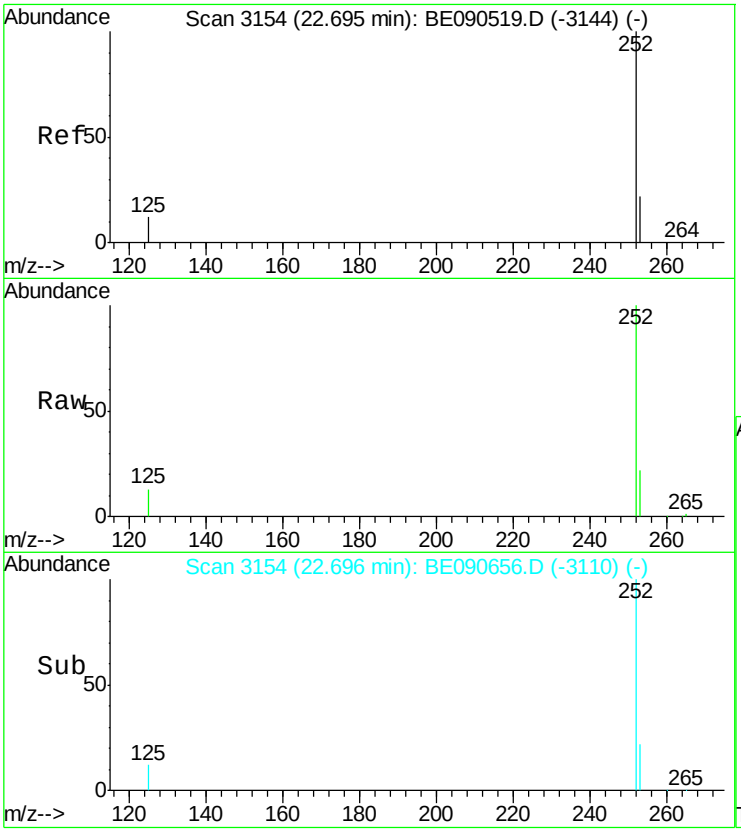


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.39 min Scan# 3307
Delta R.T. -0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:264 Resp: 136988

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.6	17.2	25.8





#33
Benzo(b)fluoranthene
Concen: 0.94 ng
RT: 22.70 min Scan# 3154
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:252 Resp: 30400

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	13.0	9.4	14.2

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

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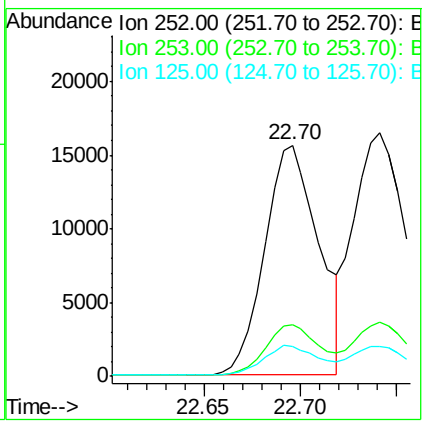
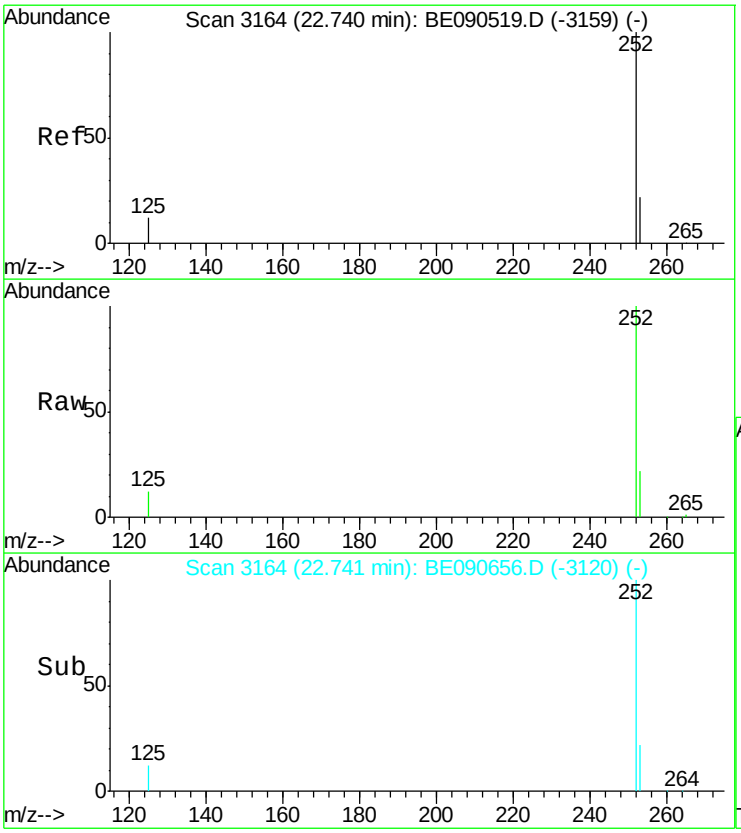
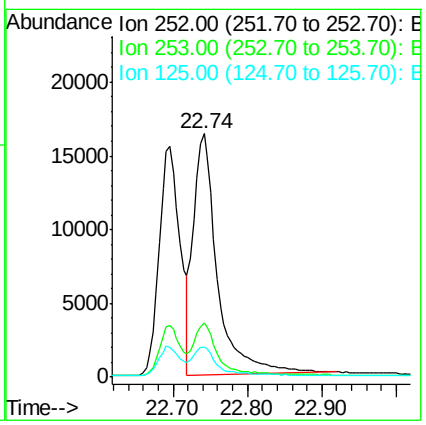


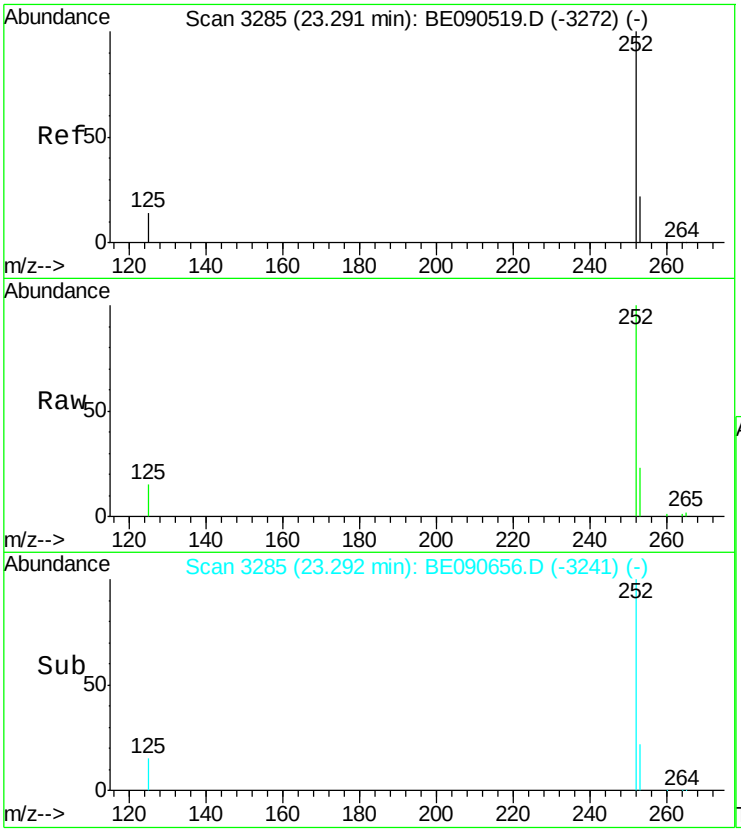


#34
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 22.74 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:252 Resp: 36682

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.3	9.1	13.7





#35
Benzo(a)pyrene
Concen: 0.89 ng
RT: 23.29 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:252 Resp: 26955

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	15.5	9.8	14.6#

Instrument :
BNA_E
ClientSampleId :
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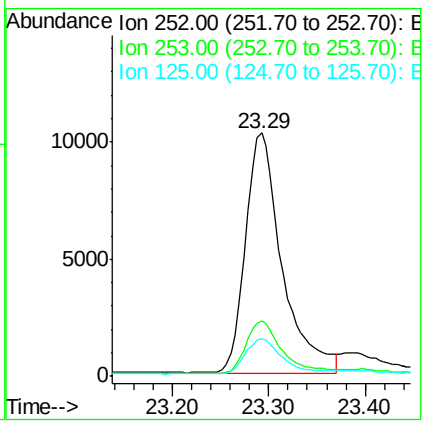
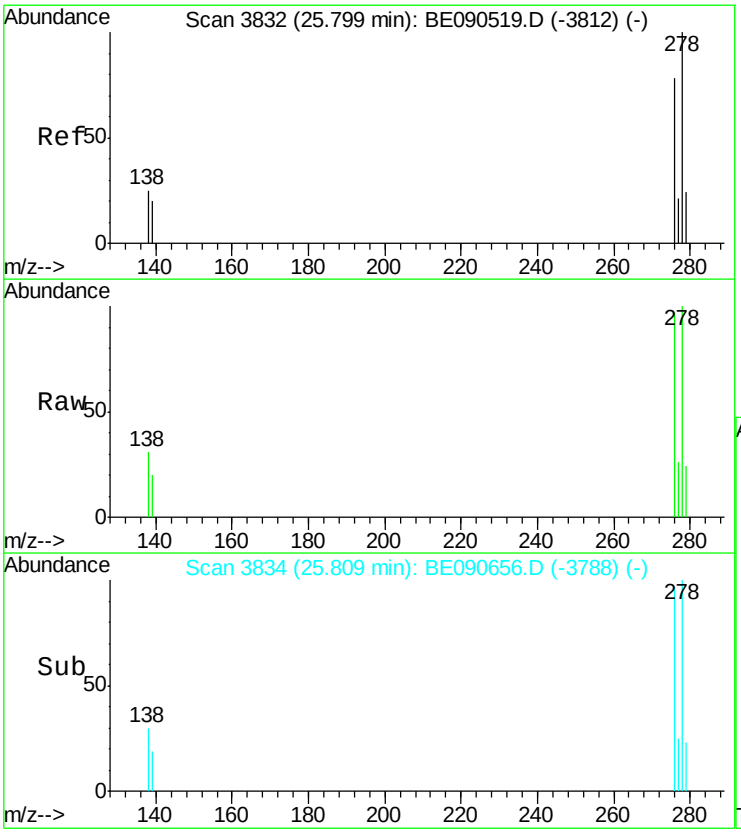
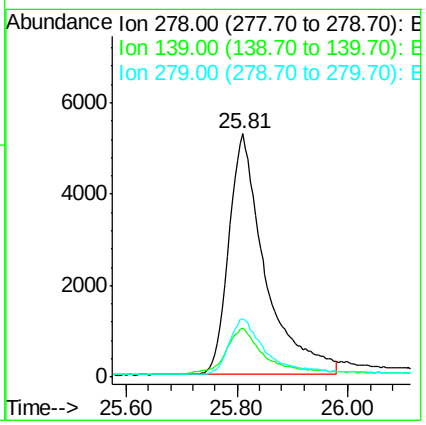


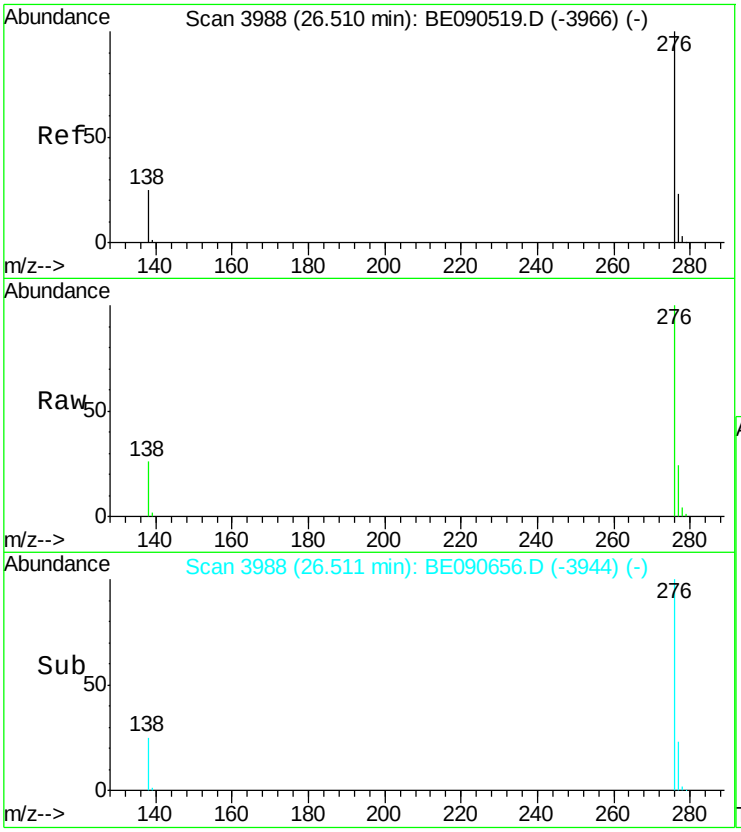


#36
Dibenzo(a,h)anthracene
Concen: 0.82 ng
RT: 25.81 min Scan# 3834
Delta R.T. 0.01 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:278 Resp: 24131

Ion	Ratio	Lower	Upper
278	100		
139	20.2	14.2	21.4
279	24.0	20.1	30.1

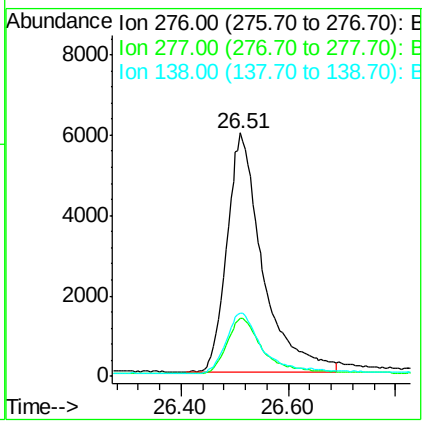




#37
Benzo(g,h,i)perylene
Concen: 0.86 ng
RT: 26.51 min Scan# 3988
Delta R.T. 0.00 min
Lab File: BE090656.D
Acq: 28 Aug 2015 11:51

Tgt Ion:276 Resp: 27416

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.1	30.1
138	25.9	18.1	27.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Manual Integrations APPROVED
MMDadoda
8/31/2015 1:46:38 PM