Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE093015\
Data File : BE090981.D
Acq On : 30 Sep 2015 16:31
Operator : UM/IZ
Sample : PB85802BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85802BS

Manual Integrations APPROVED
MMDadoda
10/1/2015 2:25:34 PM

Quant Time: Oct 01 01:39:32 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 16:01:03 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	25167	5.00	ng		0.00
7) Naphthalene-d8	10.23	136	114396	5.00	ng		-0.02
13) Acenaphthene-d10	14.11	164	65183	5.00	ng		0.00
19) Phenanthrene-d10	16.86	188	160382	5.00	ng		0.00
26) Chrysene-d12	21.02	240	209698	5.00	ng		0.00
35) Perylene-d12	23.27	264	182687	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.11	112	37995	7.45	ng		0.00
5) Phenol-d6	6.68	99	57198	8.88	ng		-0.04
8) Nitrobenzene-d5	8.63	82	29331	3.93	ng		-0.02
14) 2,4,6-Tribromophenol	15.62	330	17746	7.86	ng		-0.02
15) 2-Fluorobiphenyl	12.73	172	68410	3.87	ng		-0.02
29) Terphenyl-d14	19.49	244	105883	4.10	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	12701	3.87	ng		97
3) n-Nitrosodimethylamine	3.38	42	14688	3.73	ng		100
6) bis(2-Chloroethyl)ether	6.92	93	23826	3.49	ng	#	75
9) Nitrobenzene	8.67	77	29999	3.57	ng		99
10) Naphthalene	10.29	128	88357	4.01	ng		99
11) Hexachlorobutadiene	10.58	225	13904	3.98	ng		99
12) 2-Methylnaphthalene	11.91	142	56309	3.88	ng		99
16) Acenaphthylene	13.82	152	405707	3.73	ng		100
17) Acenaphthene	14.17	154	64591	3.71	ng		99
18) Fluorene	15.17	166	82425	3.83	ng		99
20) 4-Bromophenyl-phenylether	16.06	248	21365	3.53	ng		89
21) Hexachlorobenzene	16.18	284	112061m	4.13	ng		
22) Pentachlorophenol	16.53	266	18617	7.31	ng		90
23) Phenanthrene	16.89	178	154859	4.24	ng		100
24) Anthracene	17.00	178	139851	4.02	ng		99
25) Fluoranthene	18.91	202	172163	4.13	ng		100
27) Benzidine	19.12	184	65126	7.69	ng	#	79
28) Pyrene	19.27	202	194273	4.03	ng		99
30) Benzo(a)anthracene	21.00	228	192122	4.12	ng		97
31) 3,3'-Dichlorobenzidine	20.96	252	38235	4.26	ng	#	98
32) Chrysene	21.05	228	200987	4.09	ng		99
33) Bis(2-ethylhexyl)phthalate	20.95	149	72403	3.75	ng		97
34) Indeno(1,2,3-cd)pyrene	25.59	276	203997	3.91	ng		99
36) Benzo(b)fluoranthene	22.59	252	177457	4.41	ng		100
37) Benzo(k)fluoranthene	22.63	252	203086	4.16	ng		100
38) Benzo(a)pyrene	23.17	252	163446	4.38	ng		99
39) Dibenzo(a,h)anthracene	25.61	278	165377	4.48	ng		99
40) Benzo(g,h,i)perylene	26.30	276	171617	4.29	ng		99

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

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Data File : BE090981.D
Acq On : 30 Sep 2015 16:31
Operator : UM/IZ
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 01 01:39:32 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 16:01:03 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB85802BS

Manual Integrations APPROVED
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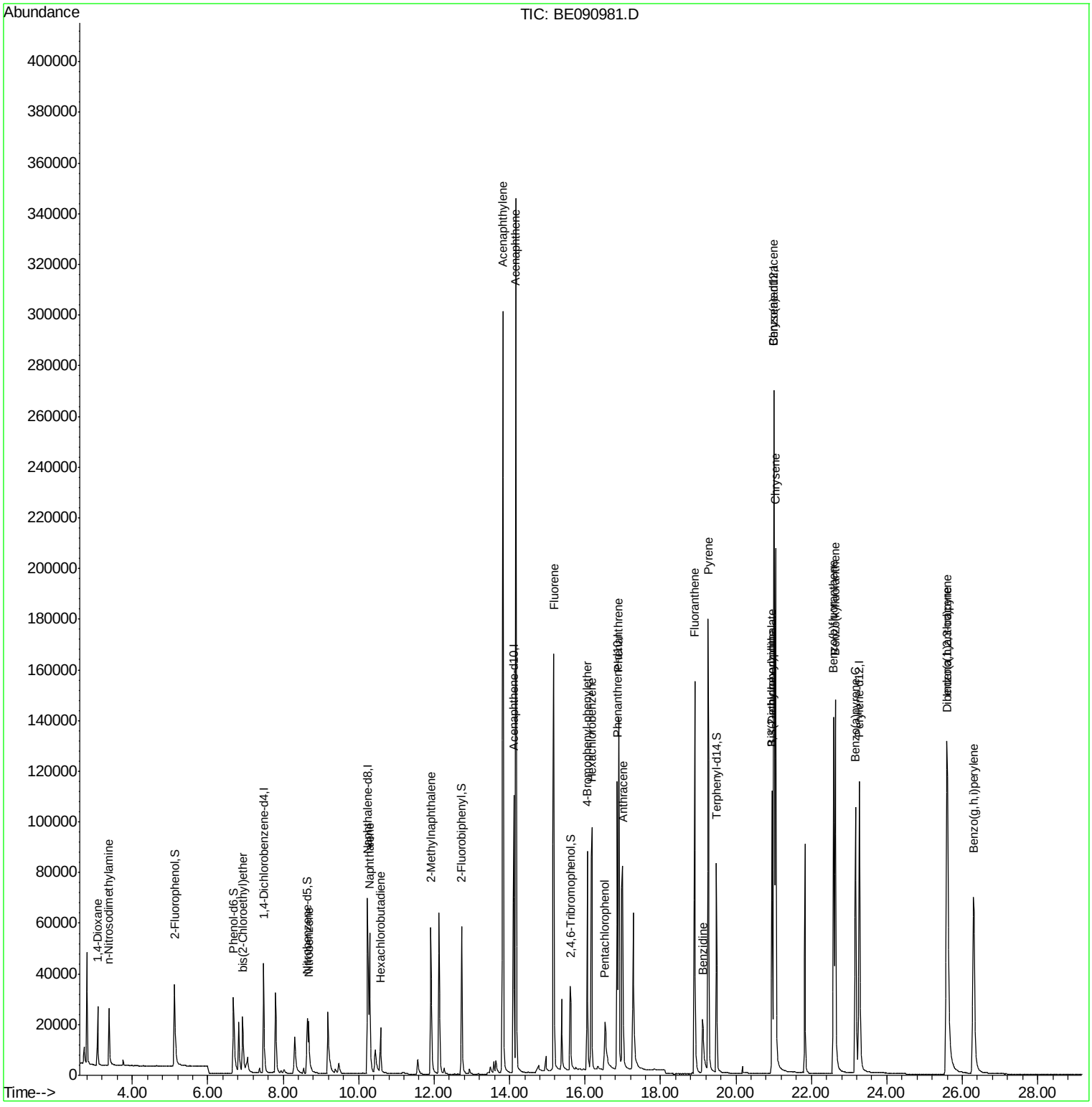
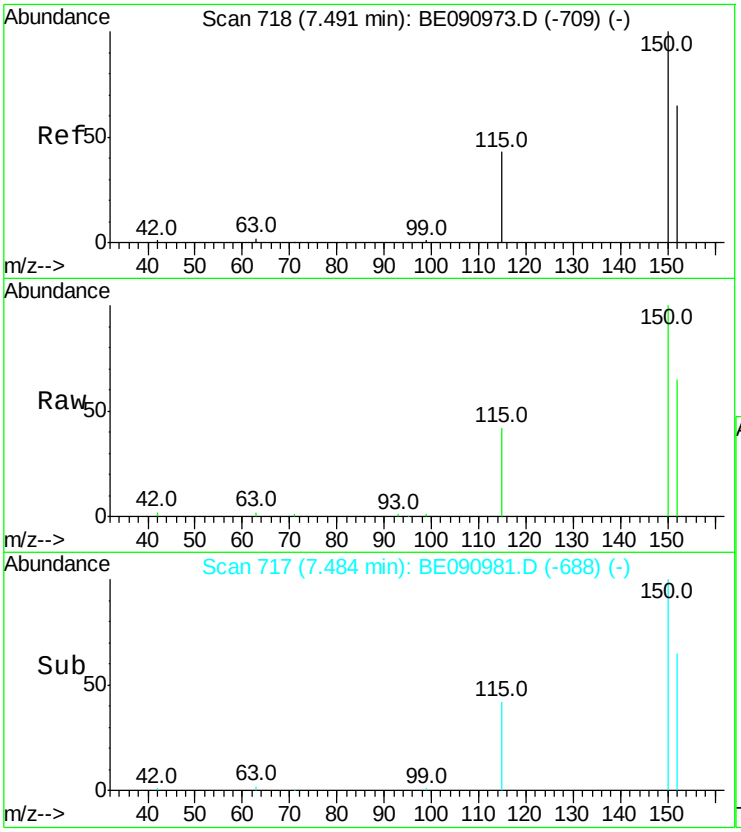
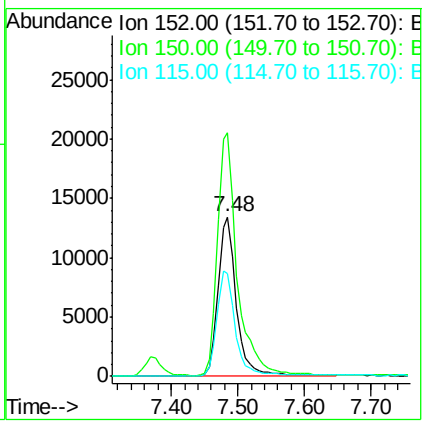




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.48 min Scan# 717
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:152 Resp: 25167

Ion	Ratio	Lower	Upper
152	100		
150	152.7	122.6	183.8
115	64.4	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
PB85802BS

Manual Integrations APPROVED
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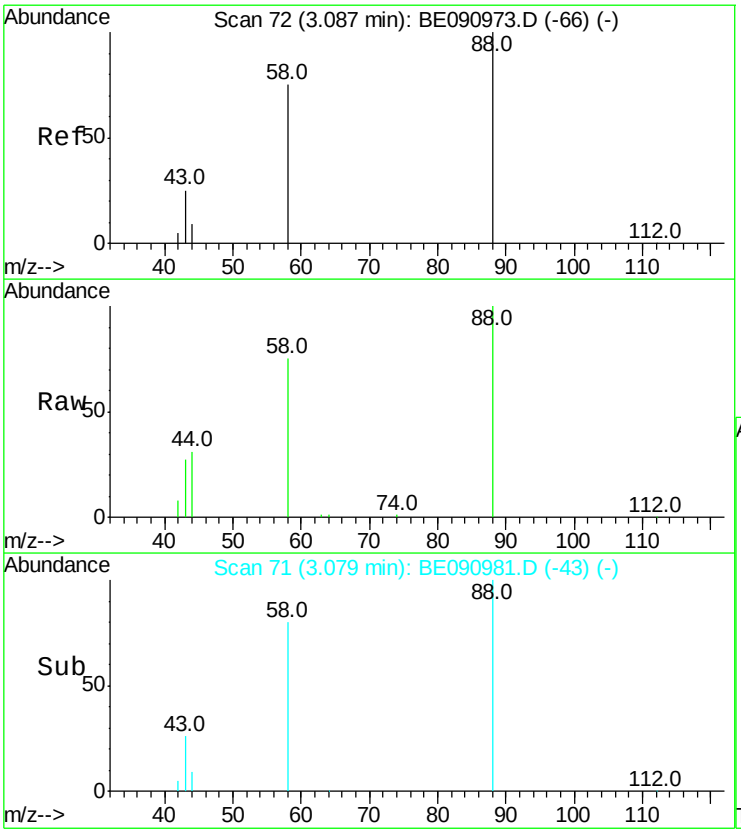
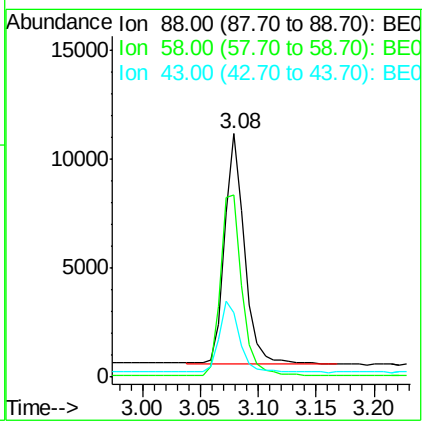
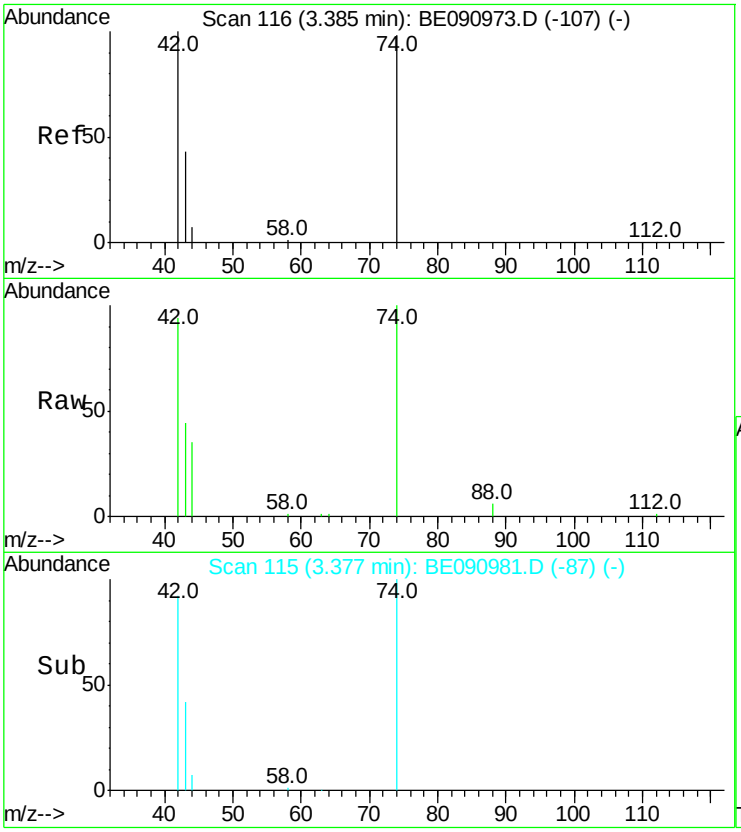


#2
1,4-Dioxane
Concen: 3.87 ng
RT: 3.08 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion: 88 Resp: 12701

Ion	Ratio	Lower	Upper
88	100		
58	86.3	65.8	98.6
43	31.2	25.3	37.9

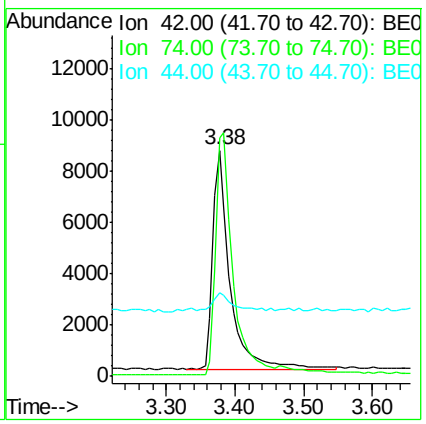




#3
n-Nitrosodimethylamine
Concen: 3.73 ng
RT: 3.38 min Scan# 115
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion: 42 Resp: 14688

Ion	Ratio	Lower	Upper
42	100		
74	110.0	87.9	131.9
44	9.6	6.6	9.8



Instrument :
BNA_E
ClientSampleId :
PB85802BS

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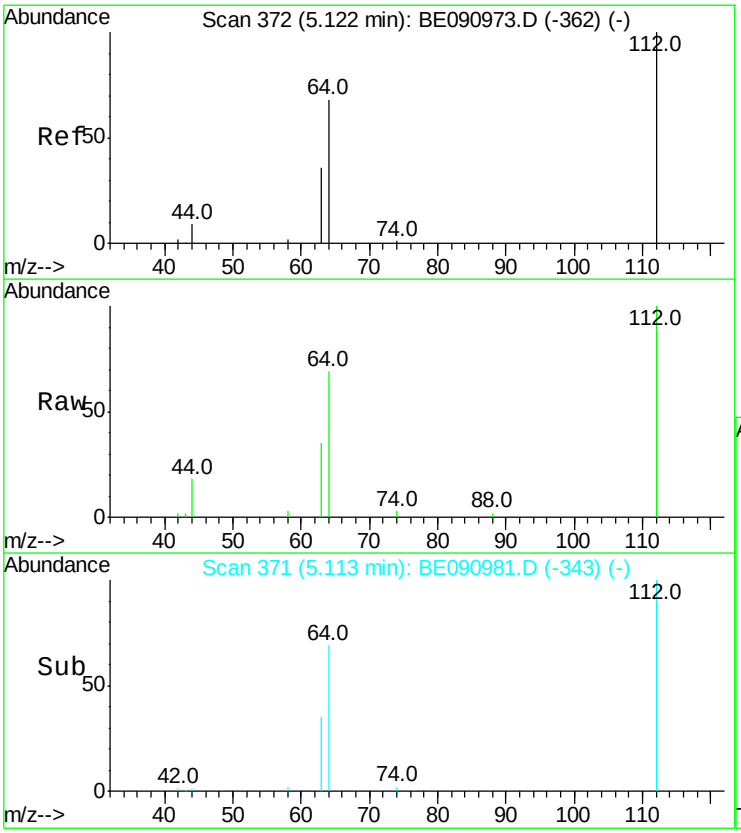
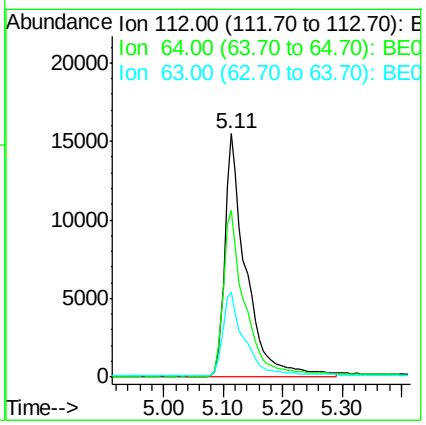
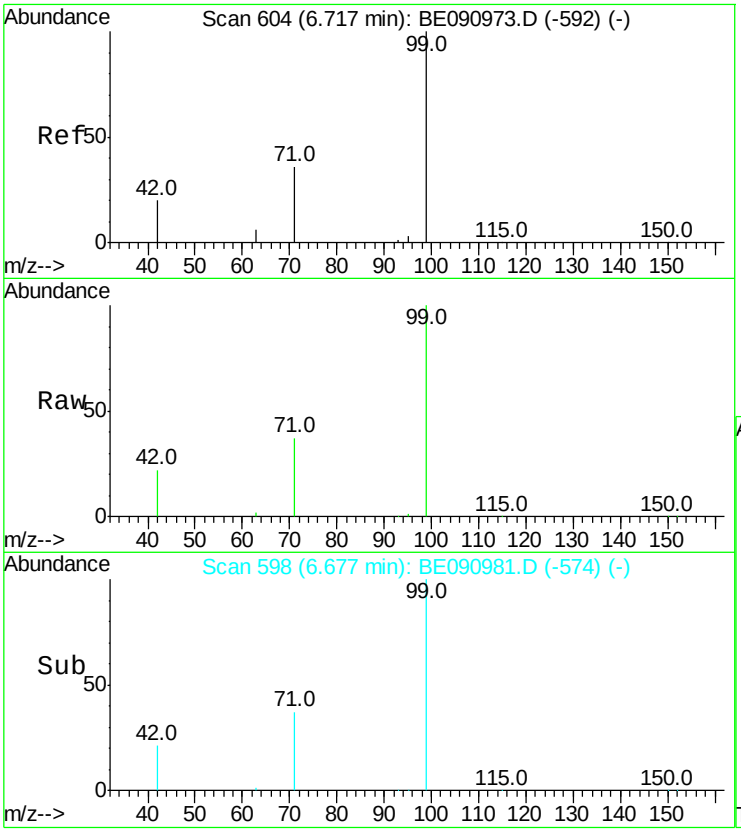


#4
2-Fluorophenol
Concen: 7.45 ng
RT: 5.11 min Scan# 371
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:112 Resp: 37995

Ion	Ratio	Lower	Upper
112	100		
64	69.8	30.9	46.3#
63	35.6	16.7	25.1#

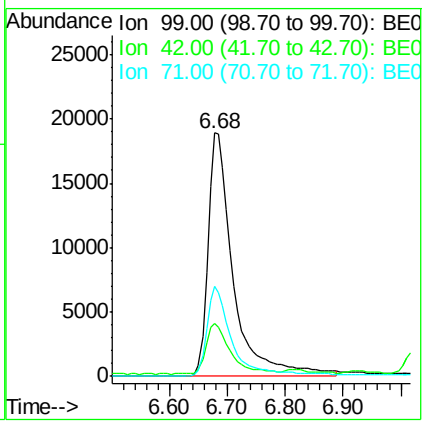




#5
Phenol-d6
Concen: 8.88 ng
RT: 6.68 min Scan# 598
Delta R.T. -0.04 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion: 99 Resp: 57198

Ion	Ratio	Lower	Upper
99	100		
42	20.3	16.2	24.2
71	35.7	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
PB85802BS

Manual Integrations APPROVED
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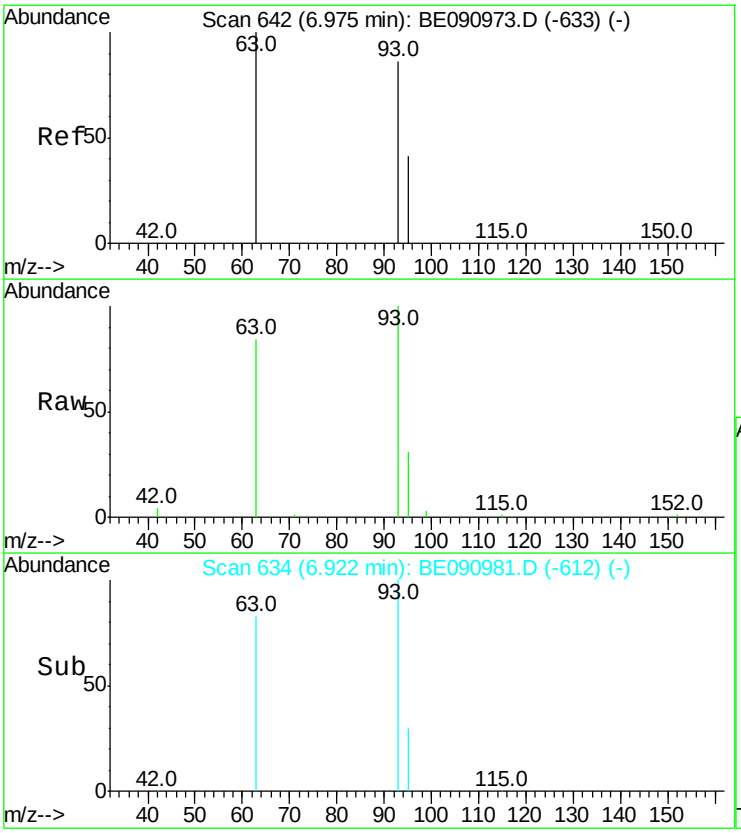
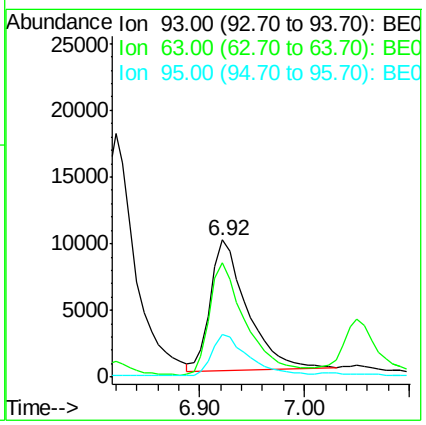
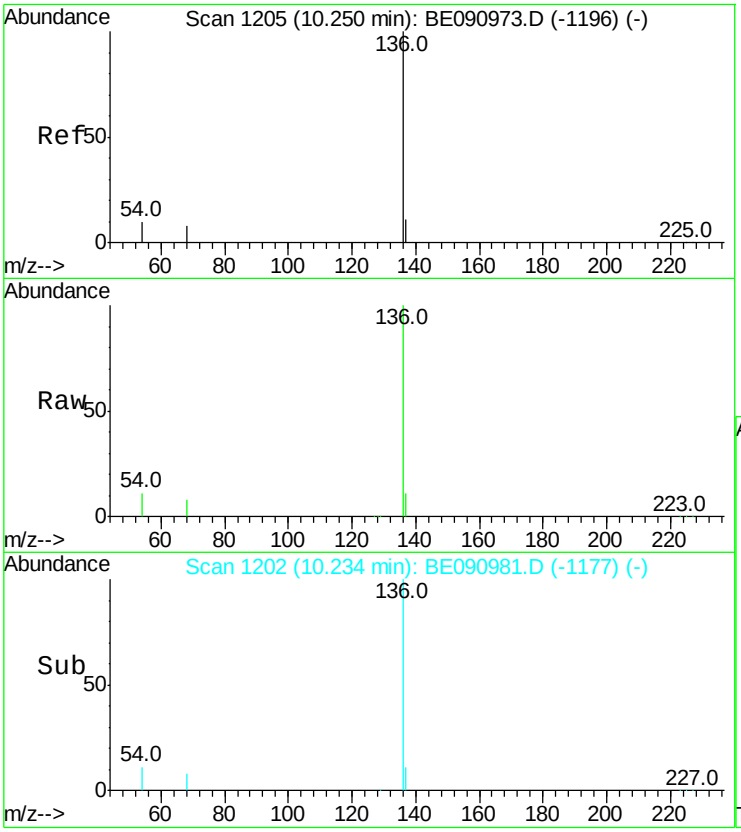


#6
bis(2-Chloroethyl)ether
Concen: 3.49 ng
RT: 6.92 min Scan# 634
Delta R.T. -0.05 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion: 93 Resp: 23826

Ion	Ratio	Lower	Upper
93	100		
63	86.7	49.5	74.3#
95	32.0	22.2	33.4

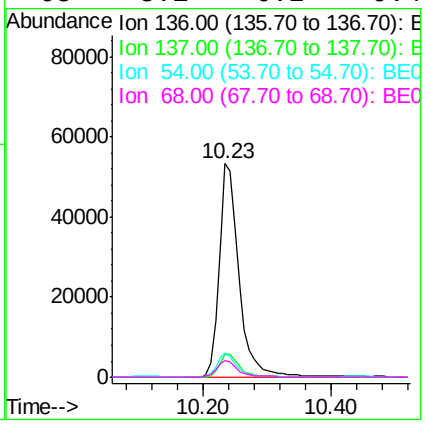




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.23 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:136 Resp: 114396

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	11.4	8.2	12.4
68	8.1	6.2	9.4



Instrument :
BNA_E
ClientSampleId :
PB85802BS

Manual Integrations APPROVED
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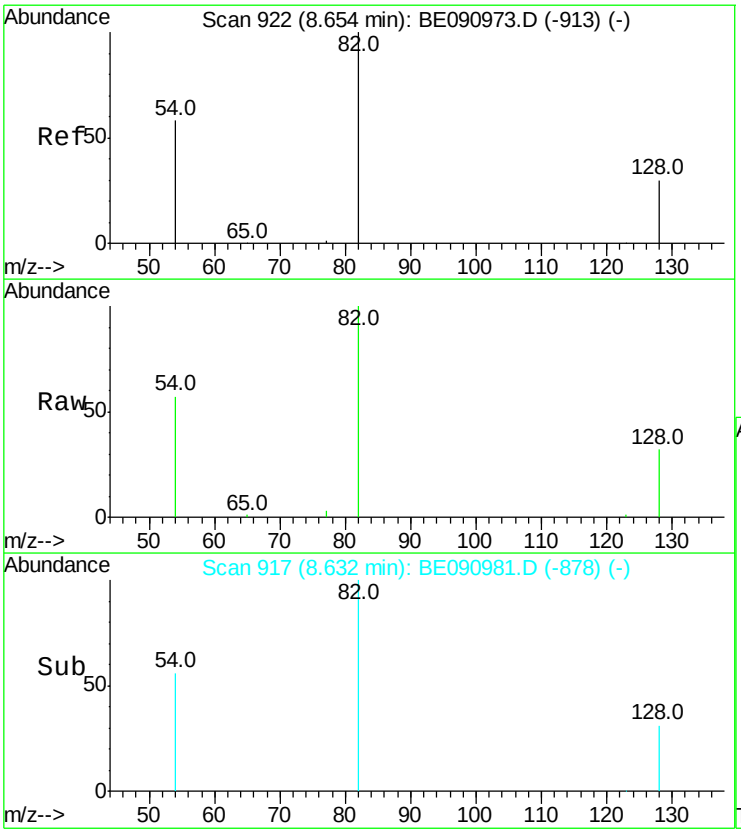
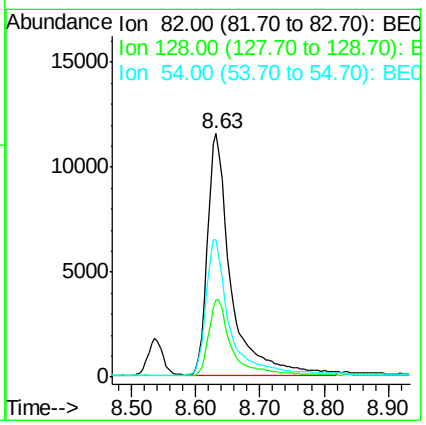
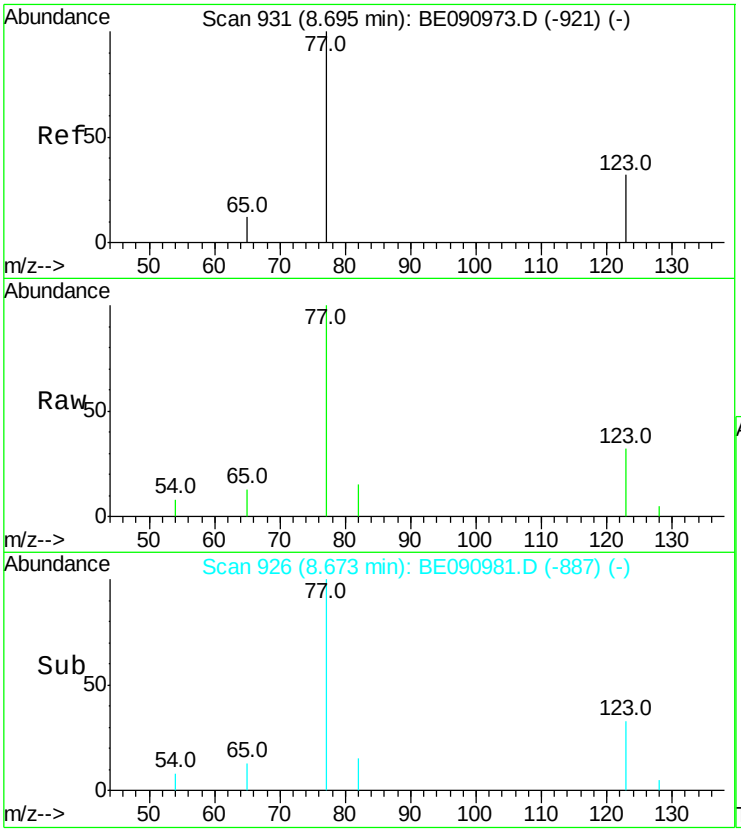


#8
Nitrobenzene-d5
Concen: 3.93 ng
RT: 8.63 min Scan# 917
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion: 82 Resp: 29331

Ion	Ratio	Lower	Upper
82	100		
128	31.6	25.4	38.0
54	56.5	48.4	72.6

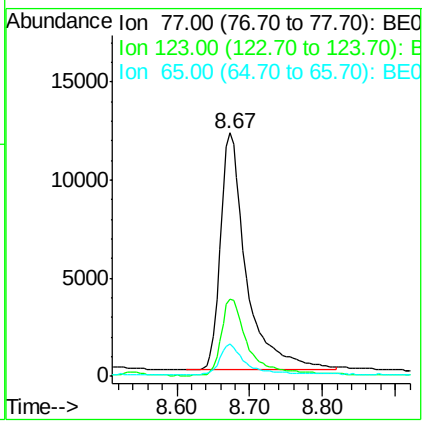




#9
Nitrobenzene
Concen: 3.57 ng
RT: 8.67 min Scan# 926
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion: 77 Resp: 29999

Ion	Ratio	Lower	Upper
77	100		
123	34.0	26.9	40.3
65	12.6	9.4	14.2



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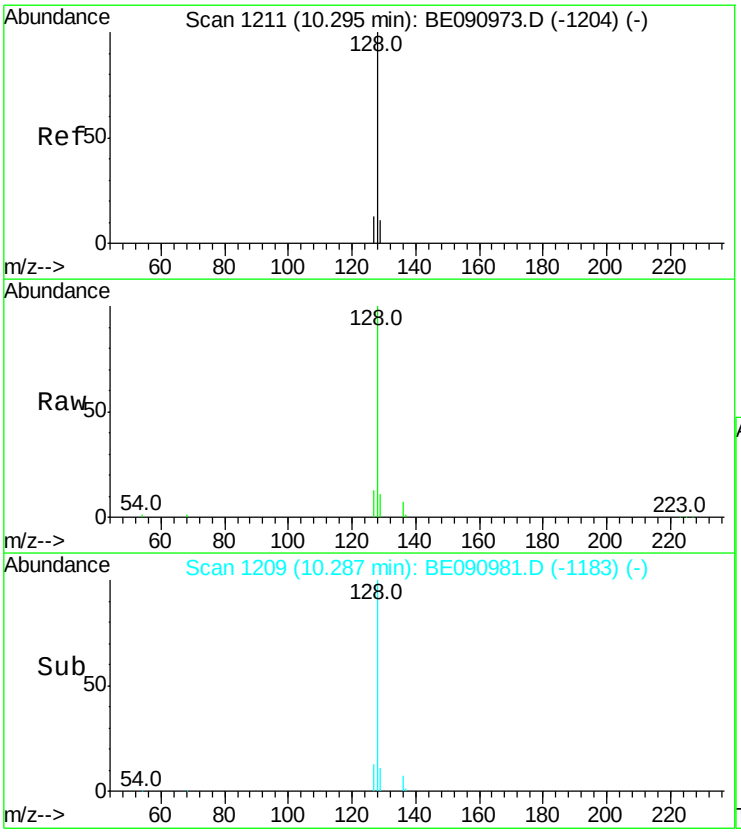
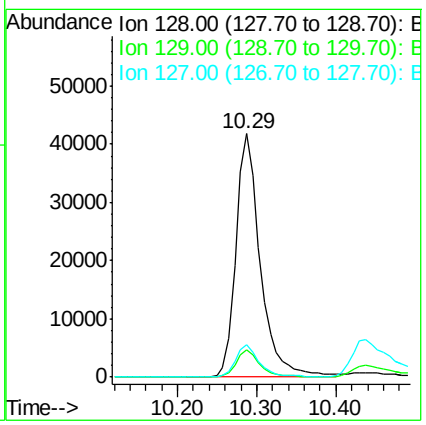
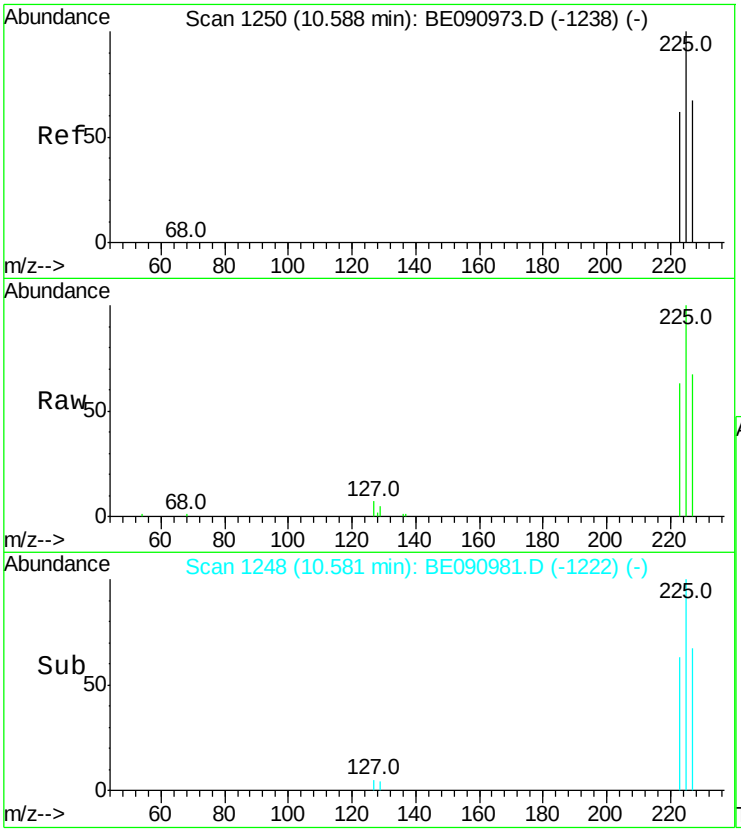


#10
Naphthalene
Concen: 4.01 ng
RT: 10.29 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:128 Resp: 88357

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.3	13.9
127	13.2	10.7	16.1

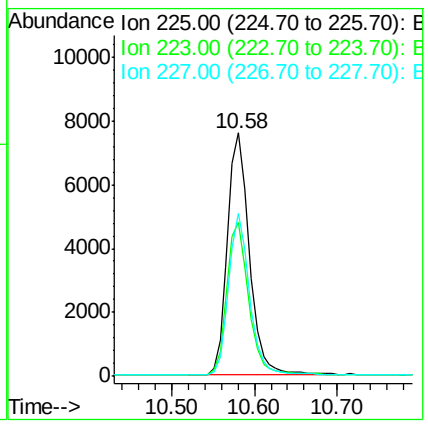




#11
Hexachlorobutadiene
Concen: 3.98 ng
RT: 10.58 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:225 Resp: 13904

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.0	73.6
227	64.0	50.3	75.5



Instrument :
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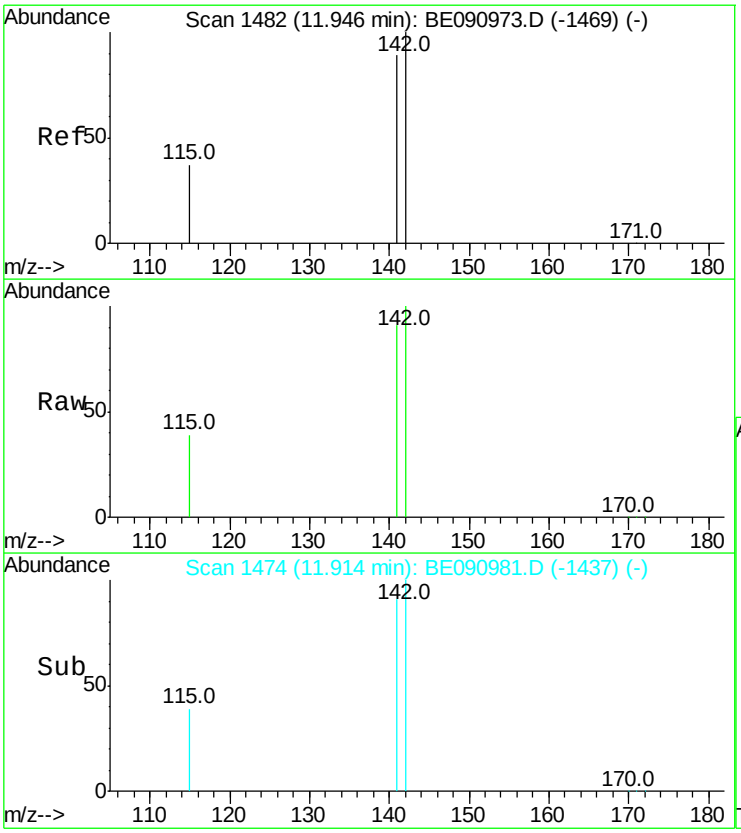
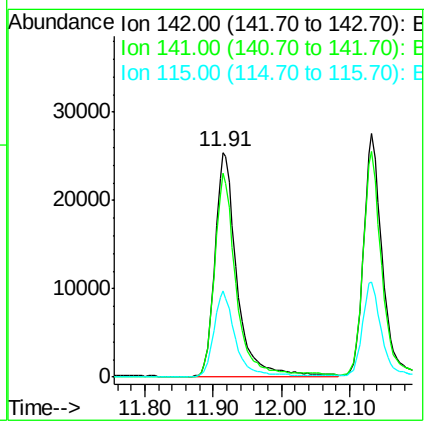
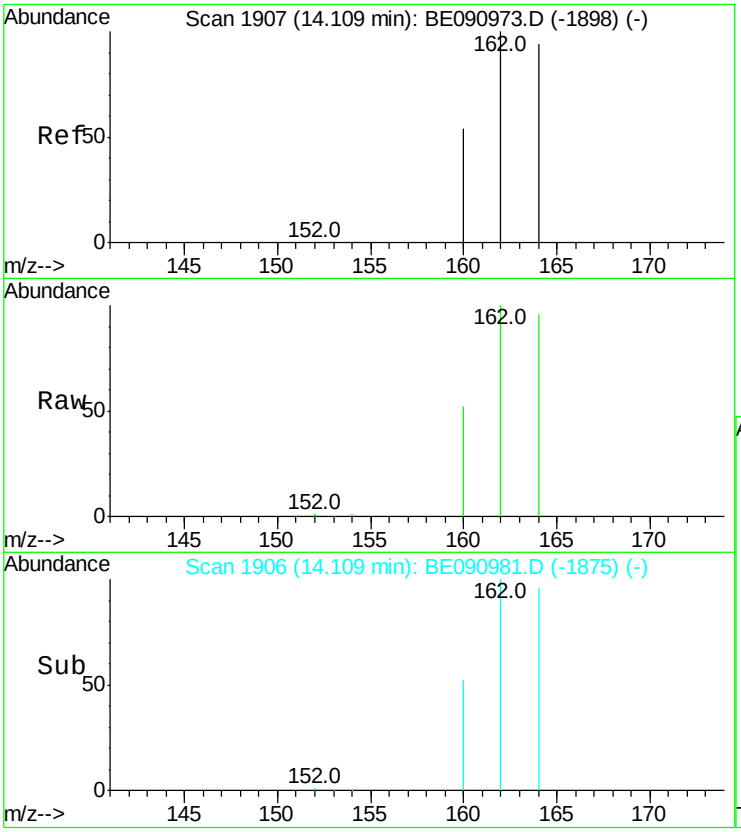


#12
2-Methylnaphthalene
Concen: 3.88 ng
RT: 11.91 min Scan# 1474
Delta R.T. -0.03 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:142 Resp: 56309

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.4	107.0
115	38.6	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.11 min Scan# 1906
Delta R.T. 0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:164 Resp: 65183

Ion	Ratio	Lower	Upper
164	100		
162	103.8	85.3	127.9
160	53.8	46.2	69.2

Instrument :
BNA_E
ClientSampleId :
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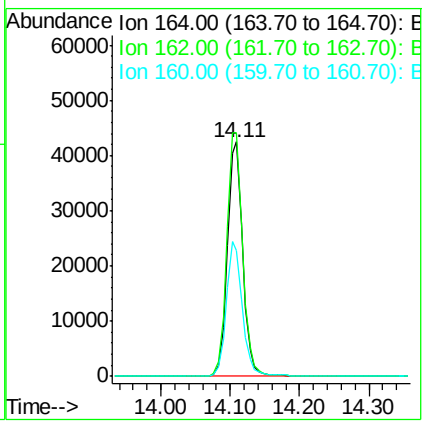
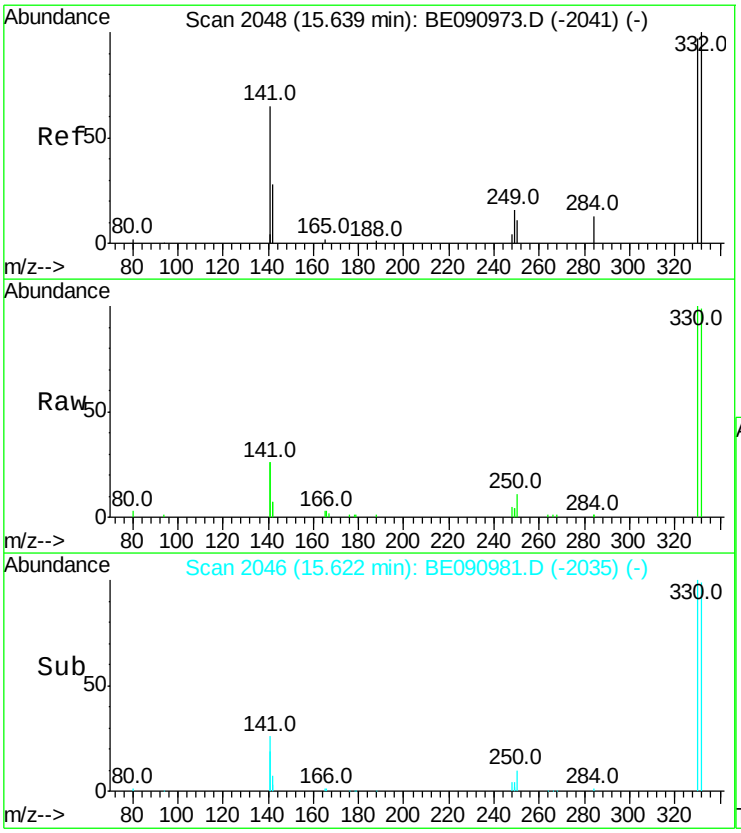
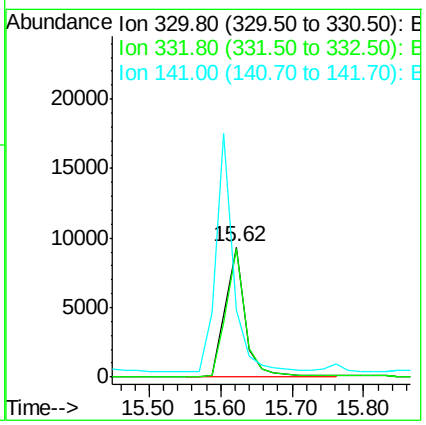


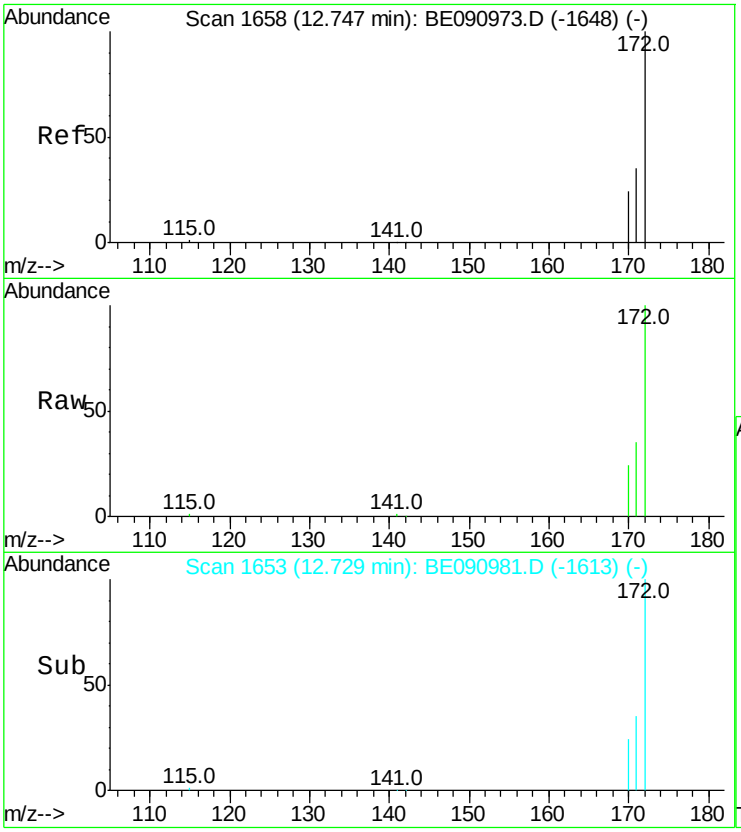


#14
2,4,6-Tribromophenol
Concen: 7.86 ng
RT: 15.62 min Scan# 2046
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:330 Resp: 17746

Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.1	118.7
141	165.3	125.4	188.0

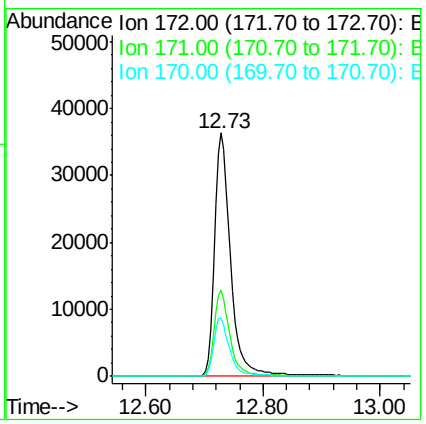




#15
2-Fluorobiphenyl
Concen: 3.87 ng
RT: 12.73 min Scan# 1653
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:172 Resp: 68410

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.8	19.3	28.9



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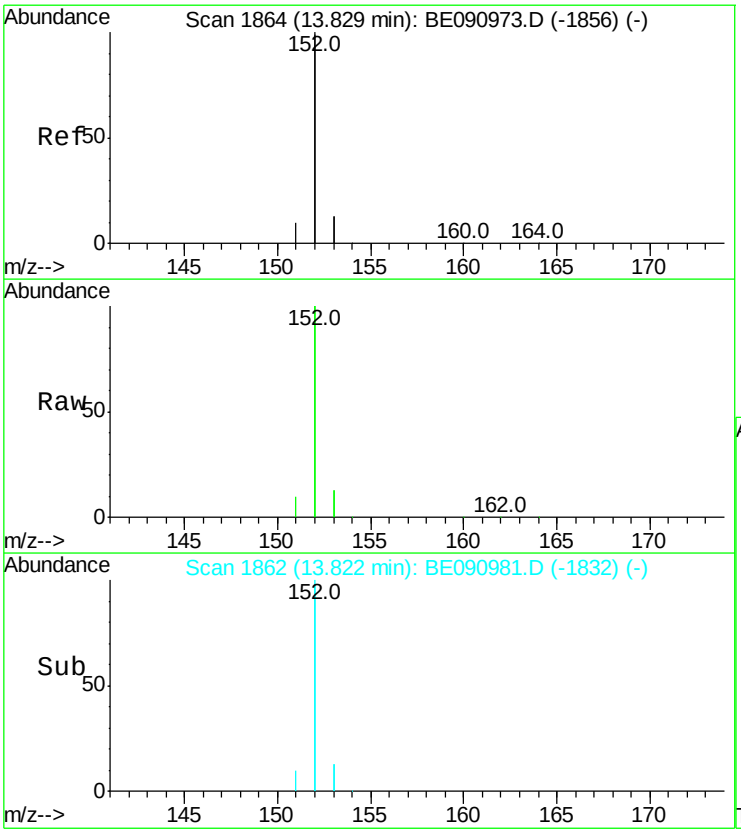
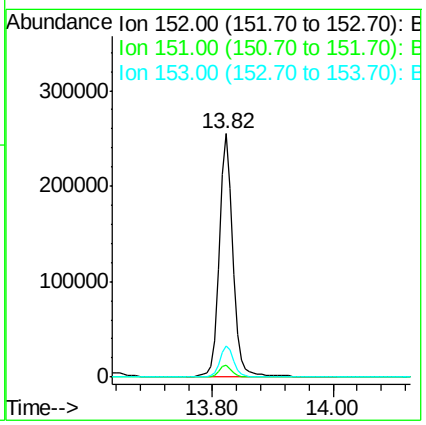
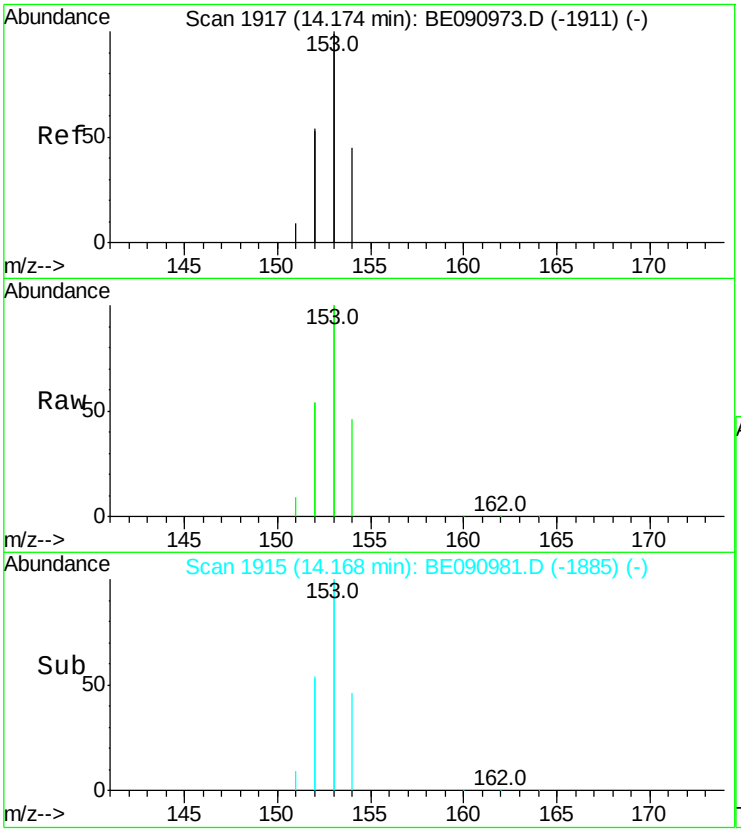


#16
Acenaphthylene
Concen: 3.73 ng
RT: 13.82 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:152 Resp: 405707

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.0	10.3	15.5

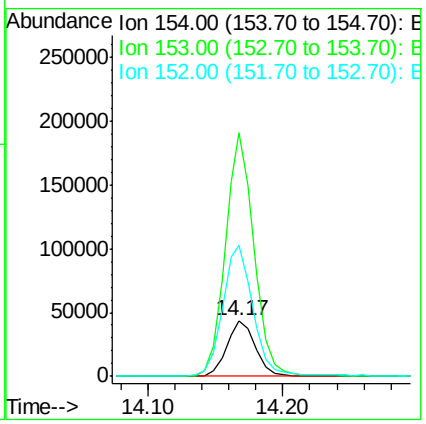




#17
Acenaphthene
Concen: 3.71 ng
RT: 14.17 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:154 Resp: 64591

Ion	Ratio	Lower	Upper
154	100		
153	438.7	352.0	528.0
152	247.5	200.0	300.0



Instrument :
BNA_E
ClientSampleId :
PB85802BS

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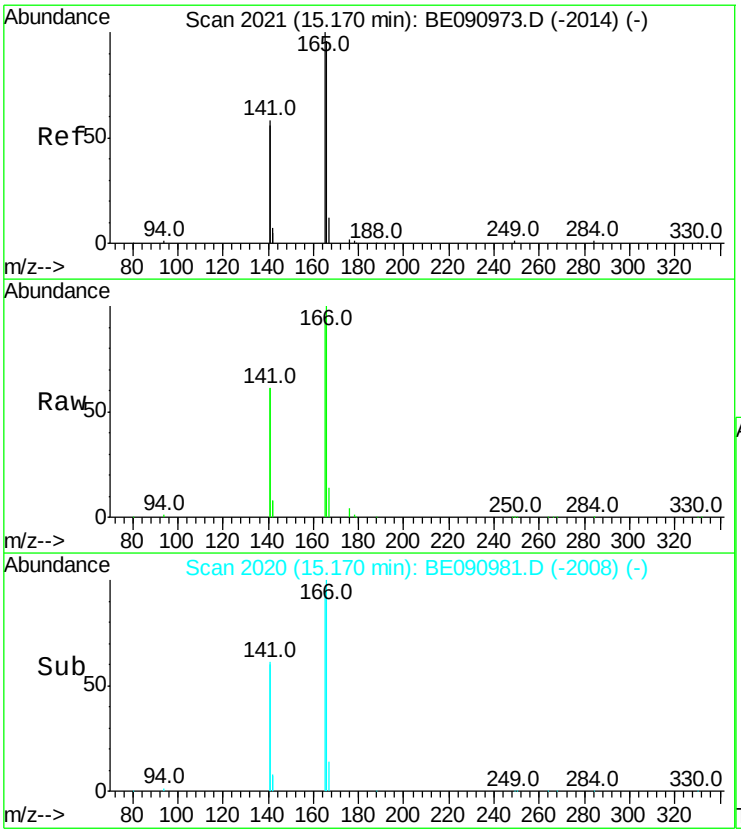
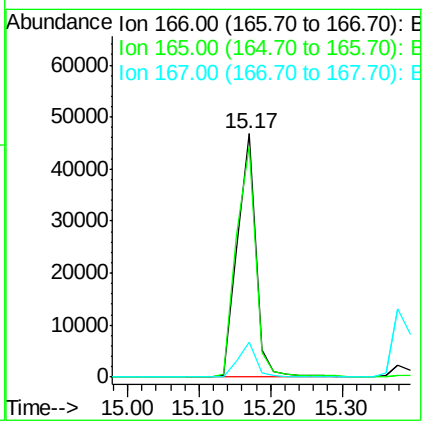
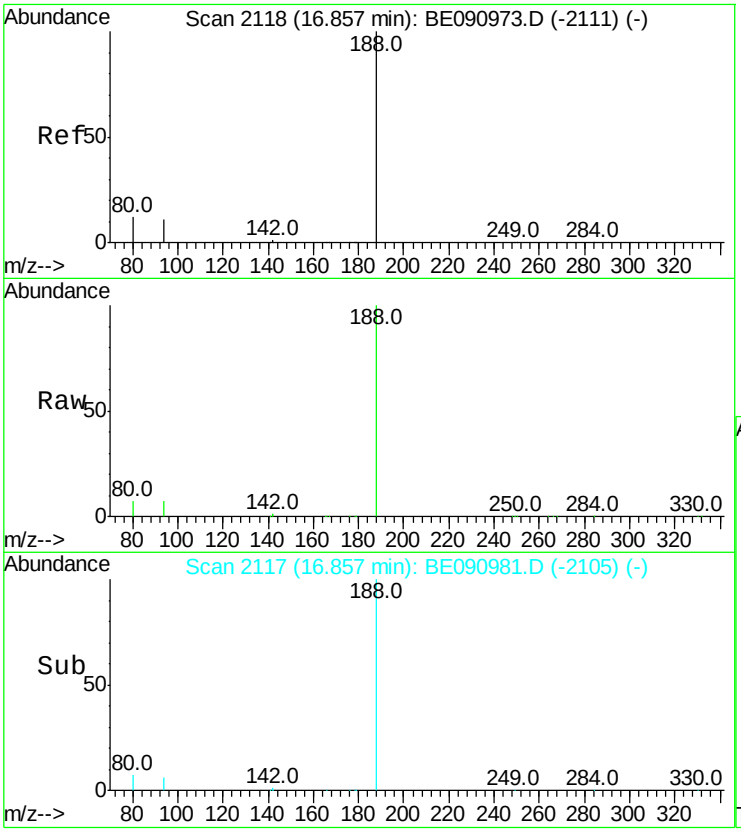


#18
Fluorene
Concen: 3.83 ng
RT: 15.17 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:166 Resp: 82425

Ion	Ratio	Lower	Upper
166	100		
165	99.9	80.8	121.2
167	13.7	10.9	16.3

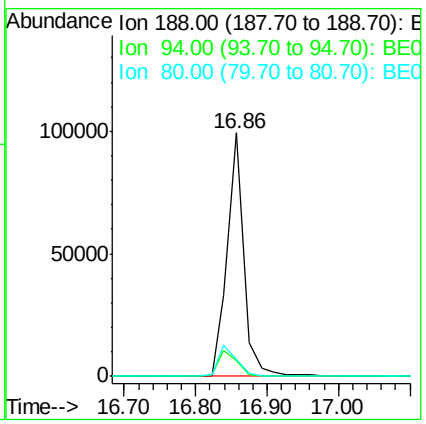




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.86 min Scan# 2117
Delta R.T. 0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:188 Resp: 160382

Ion	Ratio	Lower	Upper
188	100		
94	6.6	8.7	13.1#
80	6.8	9.4	14.0#



Instrument :
BNA_E
ClientSampleId :
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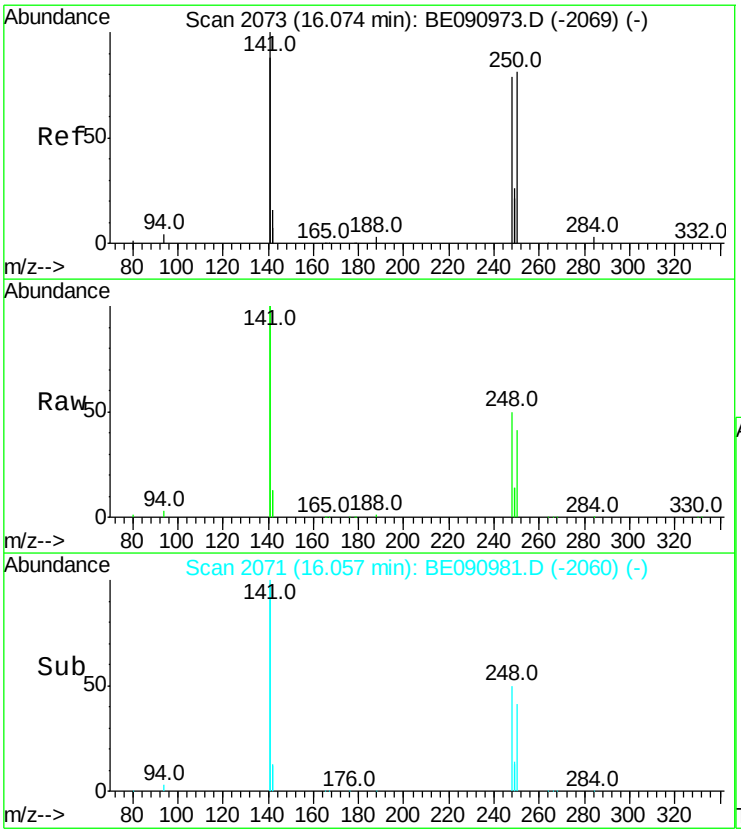
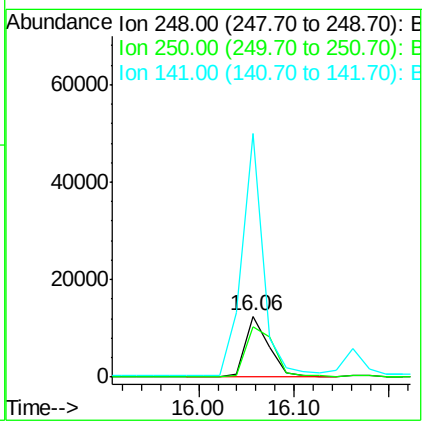
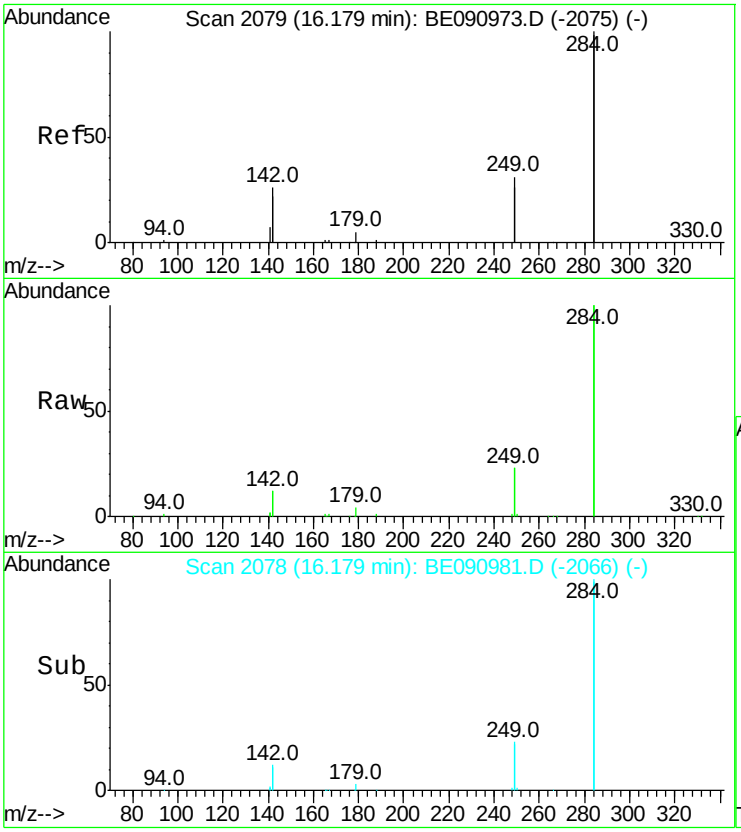


#20
4-Bromophenyl-phenylether
Concen: 3.53 ng
RT: 16.06 min Scan# 2071
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:248 Resp: 21365

Ion	Ratio	Lower	Upper
248	100		
250	97.8	80.5	120.7
141	356.5	261.9	392.9

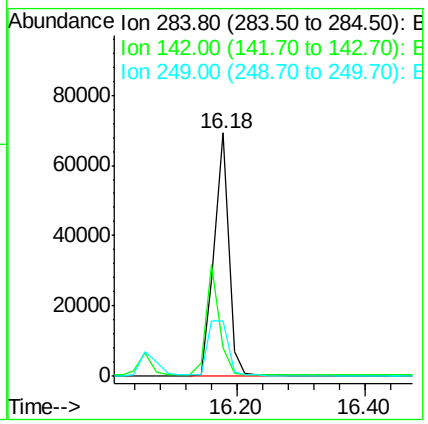




#21
Hexachlorobenzene
Concen: 4.13 ng m
RT: 16.18 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:284 Resp: 112061

Ion	Ratio	Lower	Upper
284	100		
142	40.6	32.2	48.2
249	30.5	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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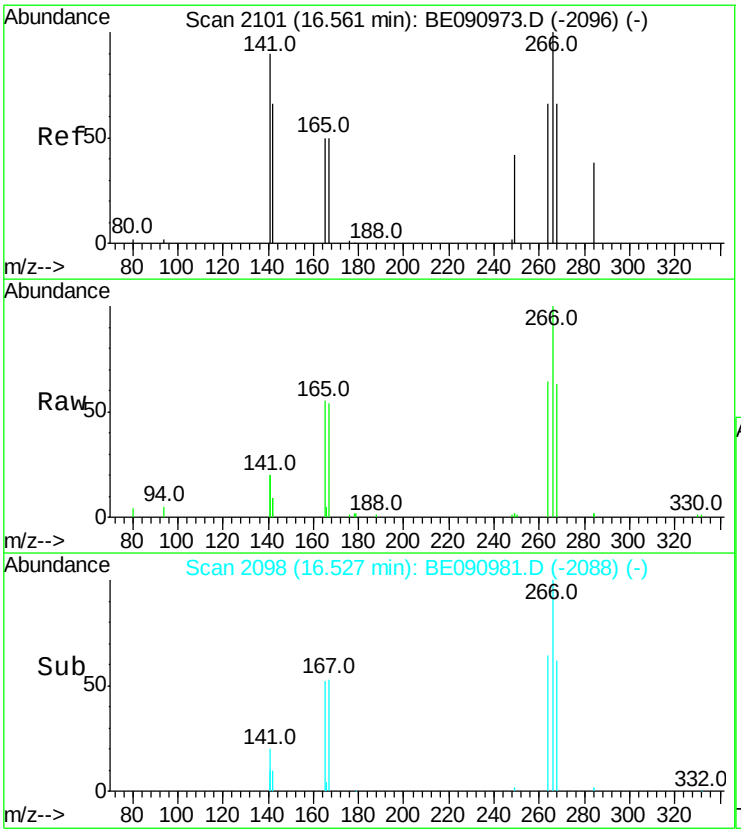
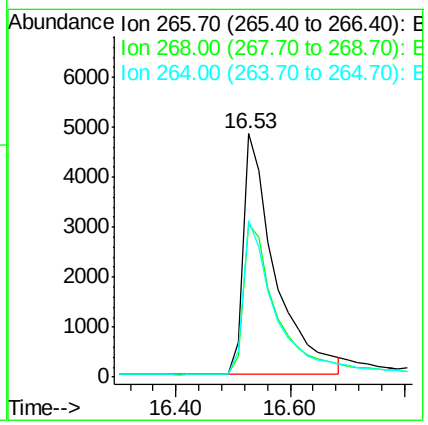
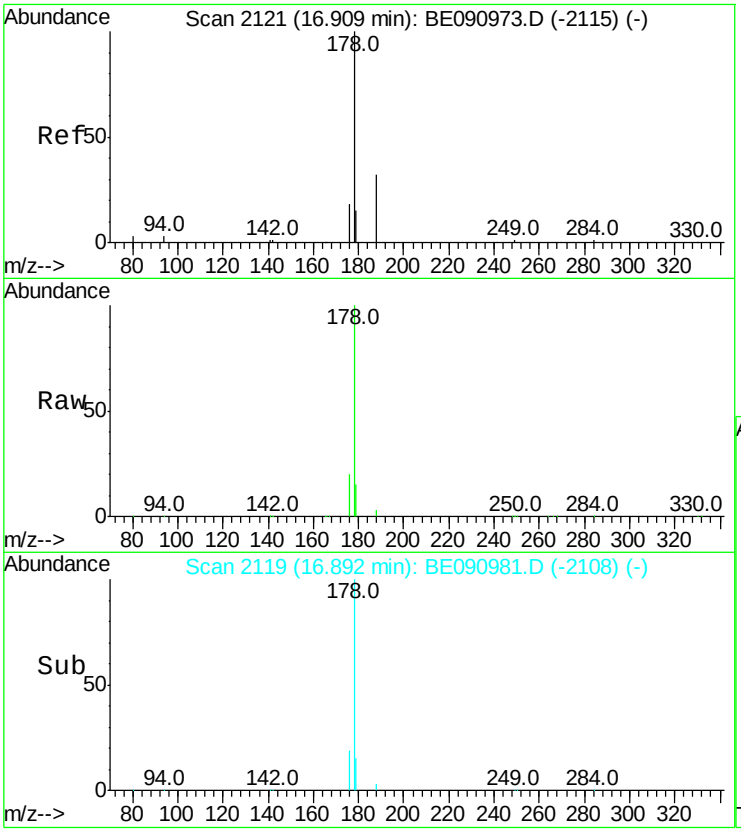


#22
Pentachlorophenol
Concen: 7.31 ng
RT: 16.53 min Scan# 2098
Delta R.T. -0.03 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:266 Resp: 18617

Ion	Ratio	Lower	Upper
266	100		
268	62.5	58.2	87.2
264	64.2	56.2	84.4

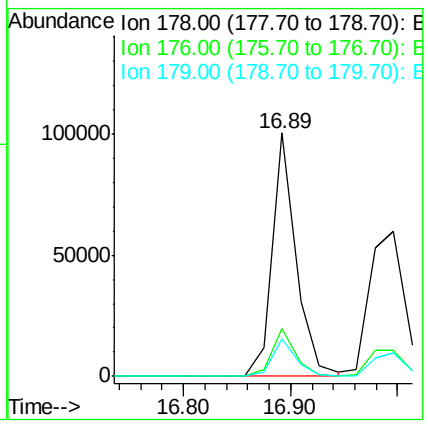




#23
Phenanthrene
Concen: 4.24 ng
RT: 16.89 min Scan# 2119
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:178 Resp: 154859

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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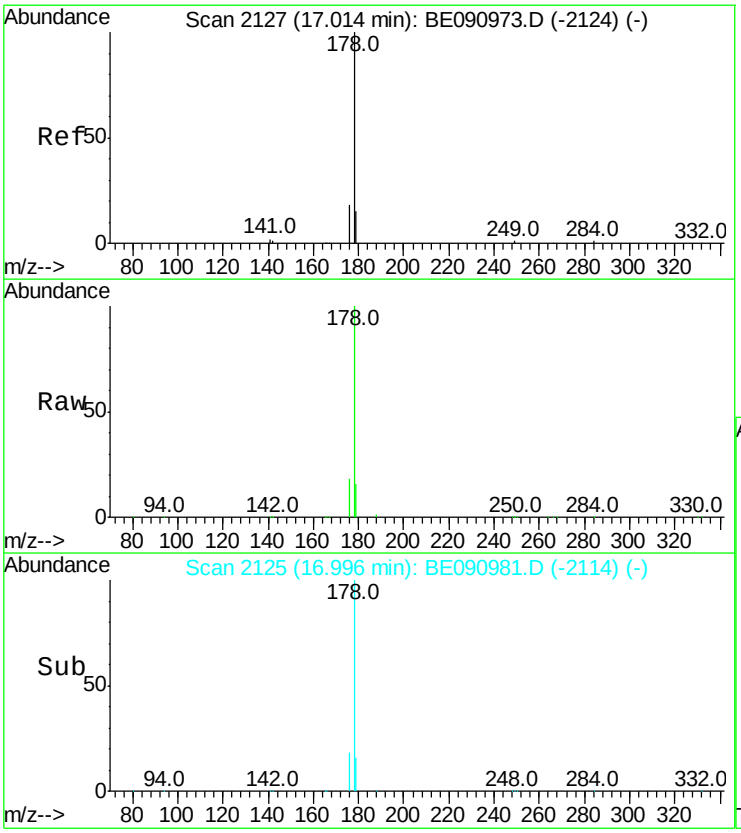
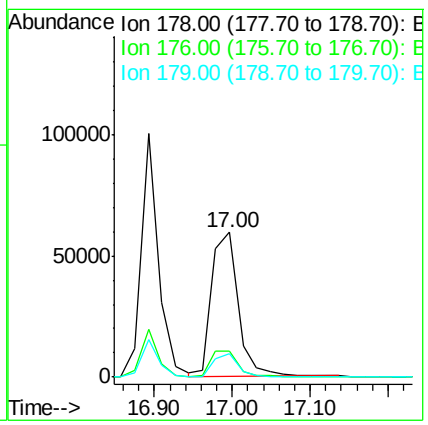
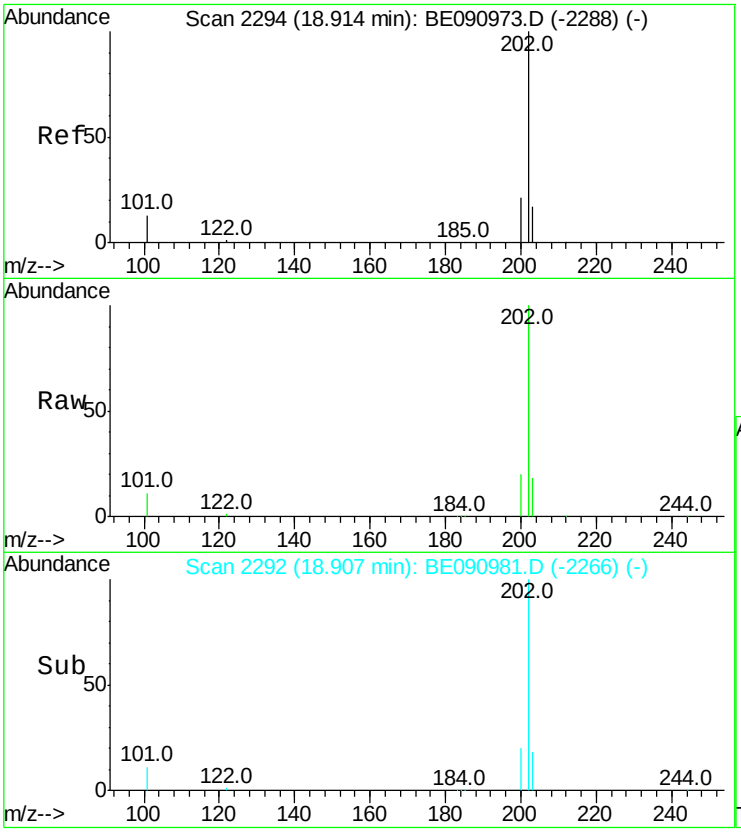


#24
Anthracene
Concen: 4.02 ng
RT: 17.00 min Scan# 2125
Delta R.T. -0.02 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:178 Resp: 139851

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	15.1	11.8	17.6

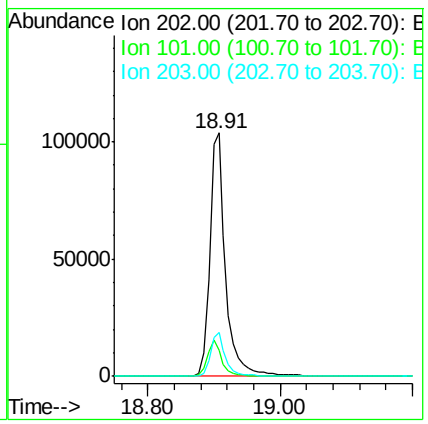




#25
Fluoranthene
Concen: 4.13 ng
RT: 18.91 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:202 Resp: 172163

Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.0	16.6
203	17.1	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
PB85802BS

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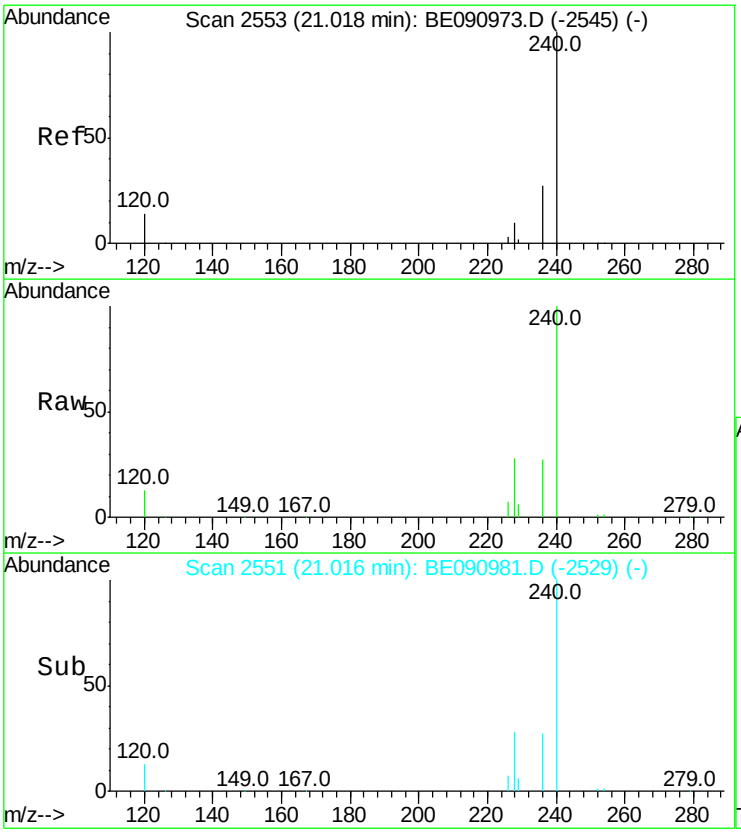
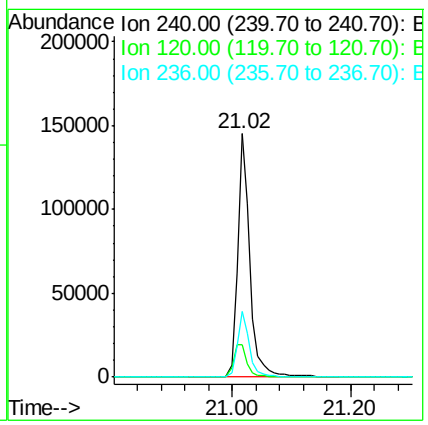
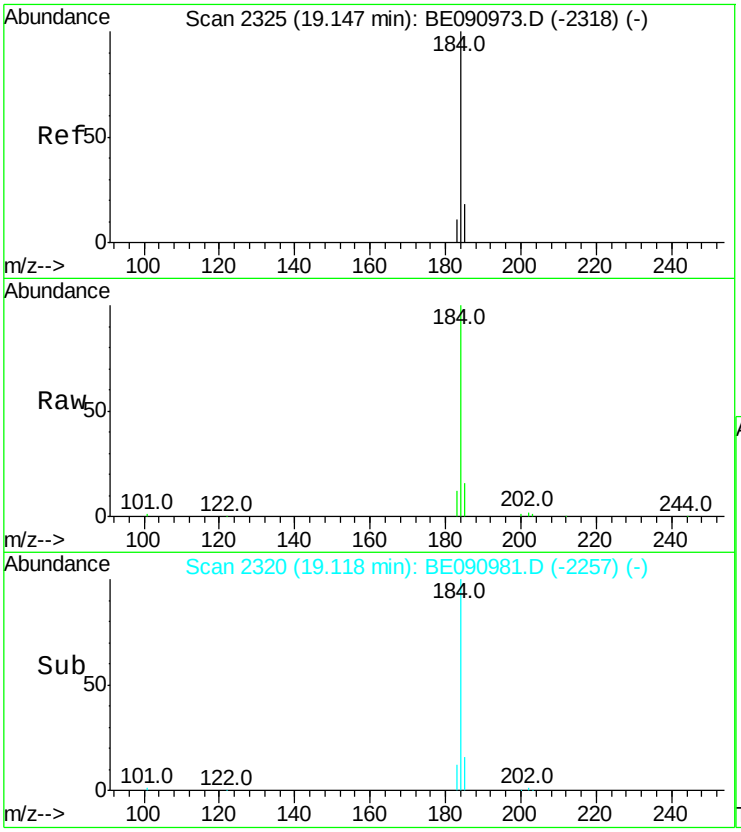


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.02 min Scan# 2551
Delta R.T. -0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:240 Resp: 209698

Ion	Ratio	Lower	Upper
240	100		
120	13.4	11.0	16.4
236	27.1	21.7	32.5





#27
Benzidine
Concen: 7.69 ng
RT: 19.12 min Scan# 2320
Delta R.T. -0.03 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:184 Resp: 65126

Ion	Ratio	Lower	Upper
184	100		
185	16.1	22.3	33.5#
183	11.8	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
PB85802BS

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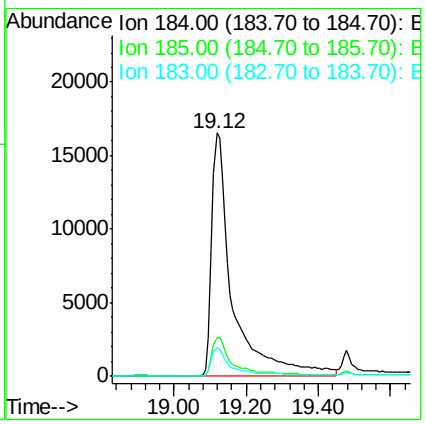
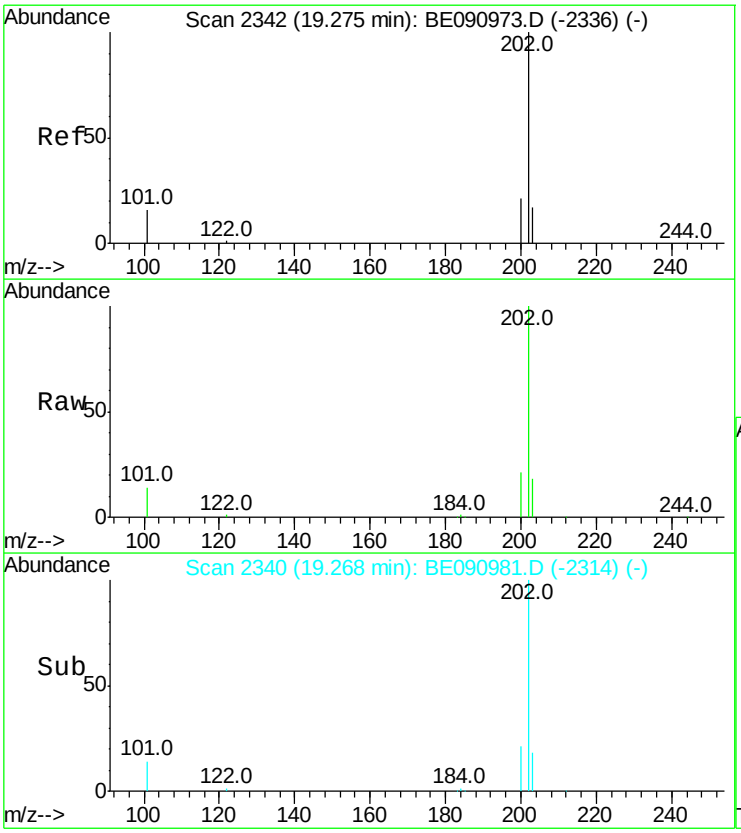
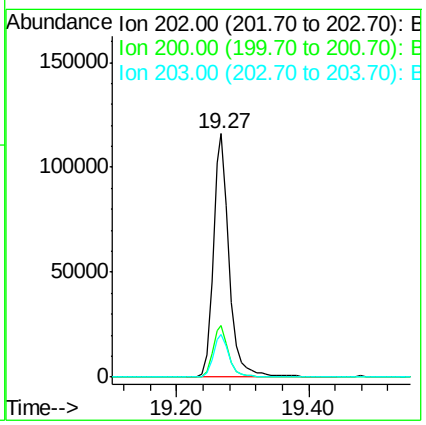


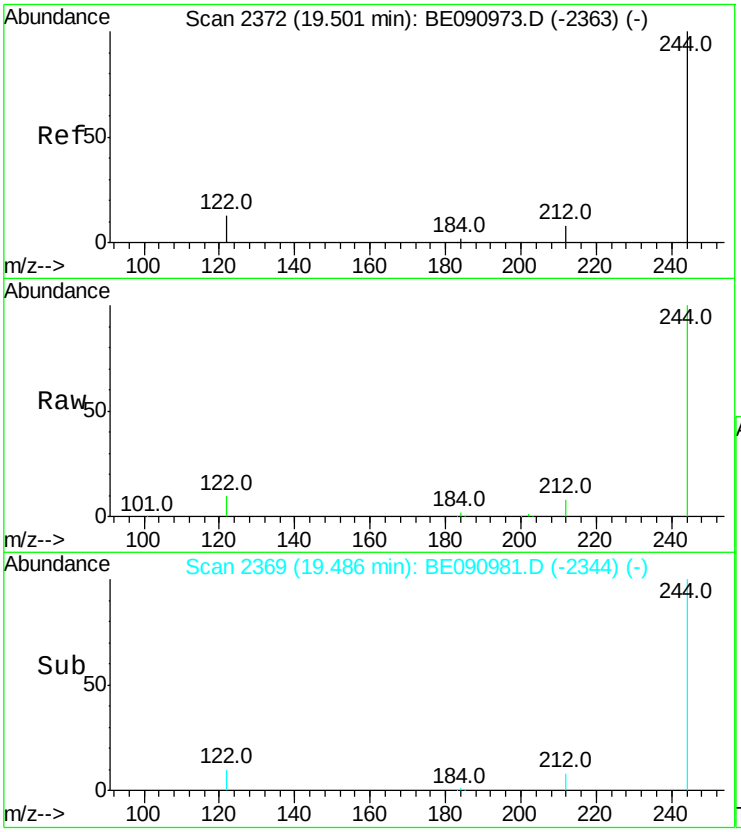


#28
Pyrene
Concen: 4.03 ng
RT: 19.27 min Scan# 2340
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:202 Resp: 194273

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	17.9	14.0	21.0





#29
Terphenyl-d14
Concen: 4.10 ng
RT: 19.49 min Scan# 2369
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:244 Resp: 105883

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.9	10.3
122	10.0	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
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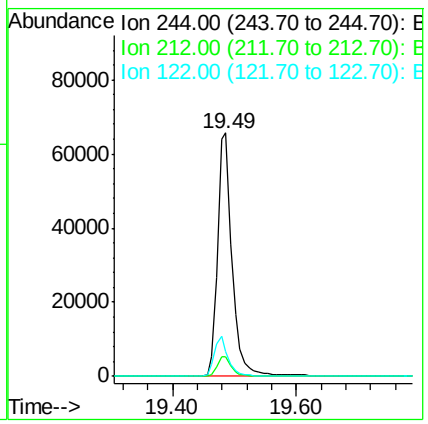
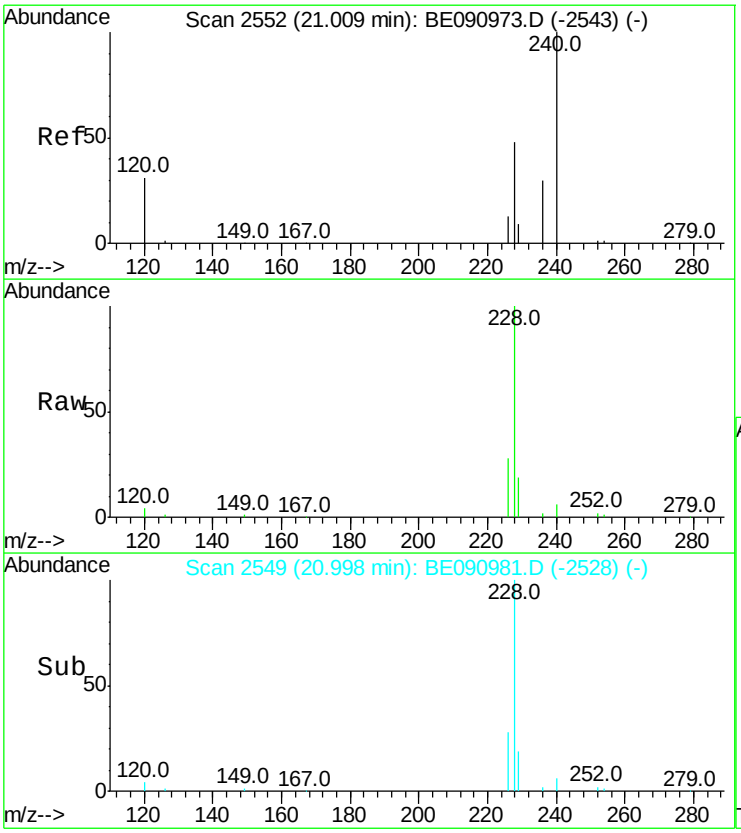
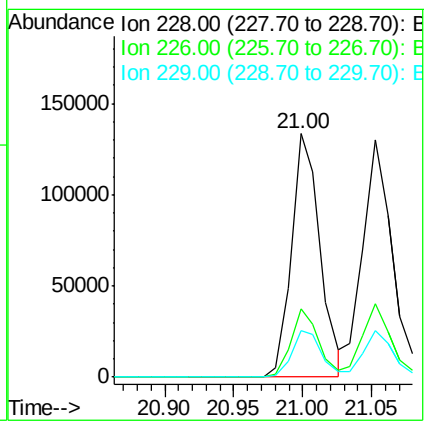


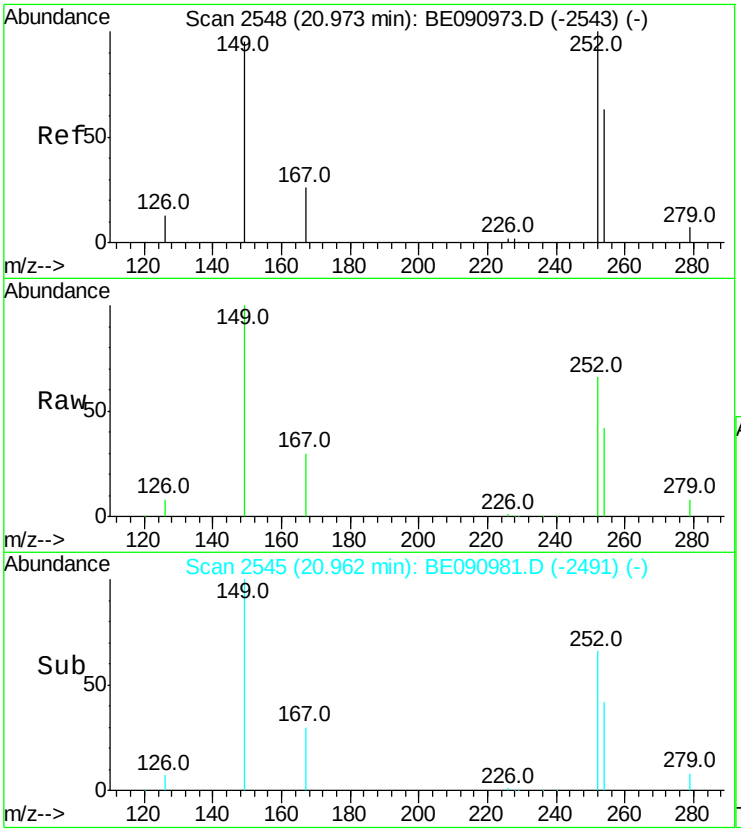


#30
Benzo(a)anthracene
Concen: 4.12 ng
RT: 21.00 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:228 Resp: 192122

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.0	31.4
229	19.2	15.7	23.5





#31
3,3'-Dichlorobenzidine
Concen: 4.26 ng
RT: 20.96 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:252 Resp: 38235

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.1	76.7
126	11.5	12.6	18.8#

Instrument :
BNA_E
ClientSampleId :
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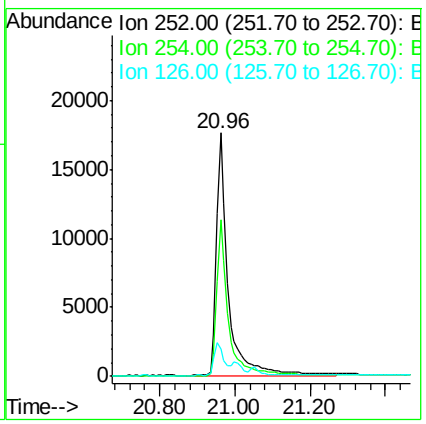
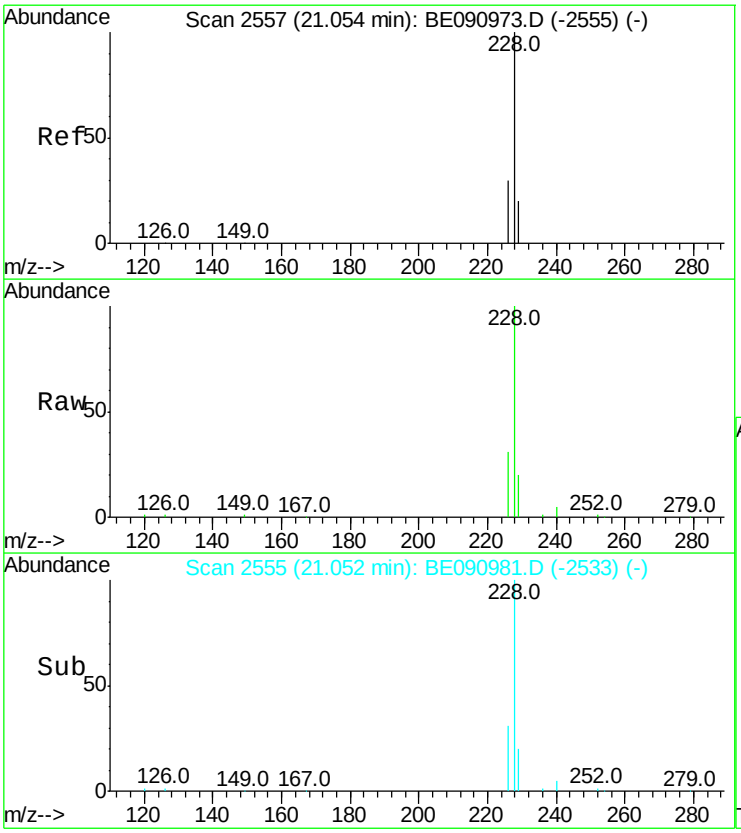
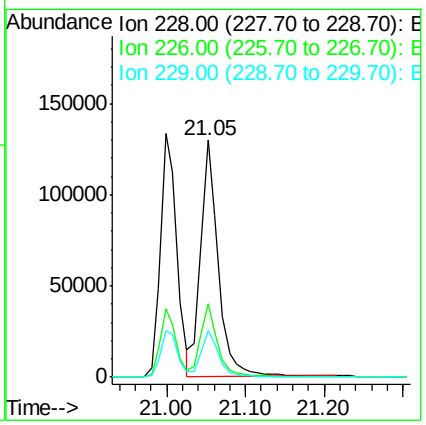


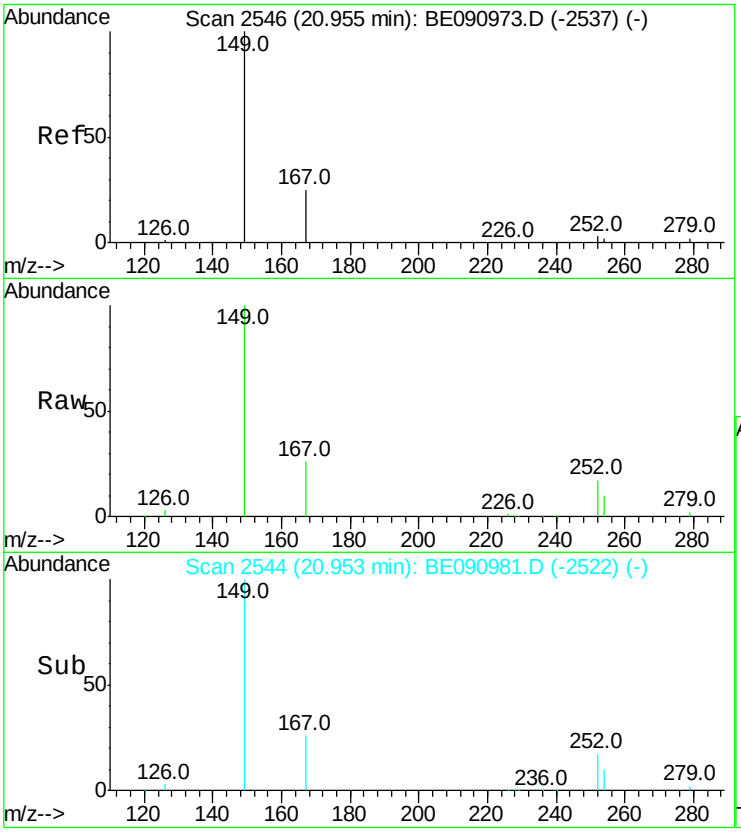


#32
Chrysene
Concen: 4.09 ng
RT: 21.05 min Scan# 2555
Delta R.T. -0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:228 Resp: 200987

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	19.7	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 3.75 ng
RT: 20.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:149 Resp: 72403

Ion	Ratio	Lower	Upper
149	100		
167	26.0	19.5	29.3
279	3.0	2.3	3.5

Instrument :
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ClientSampleId :
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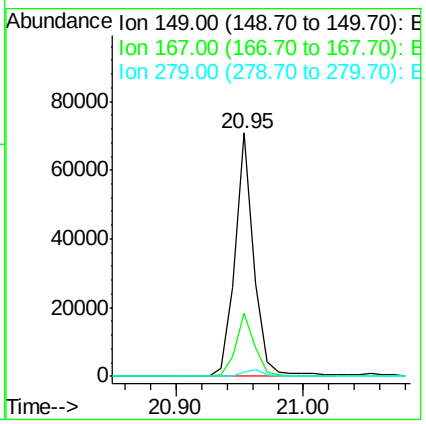
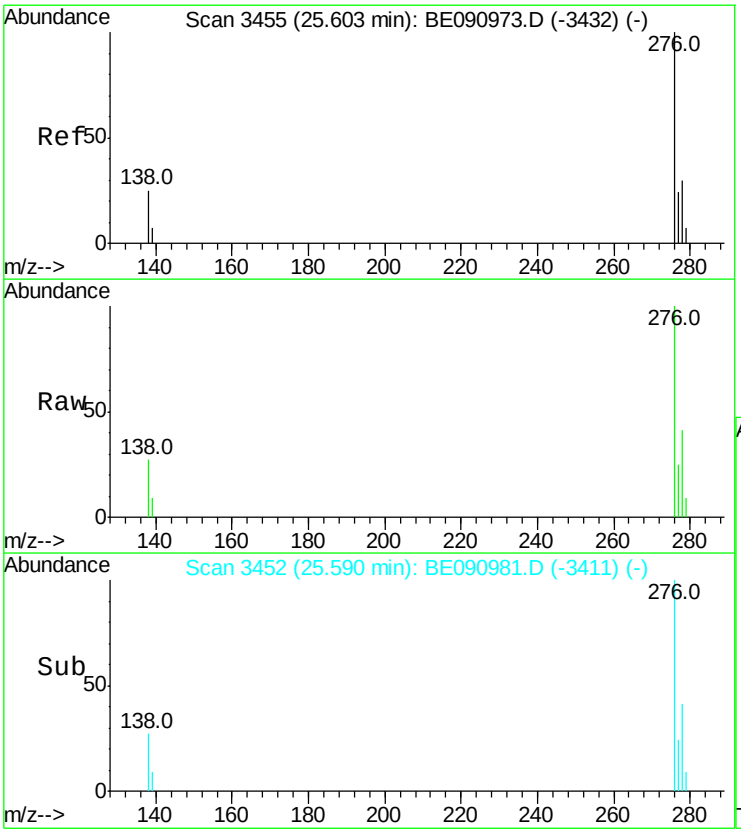
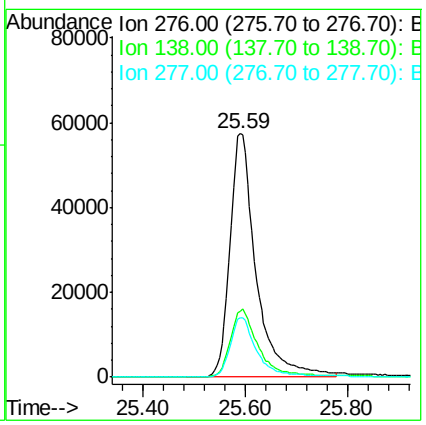


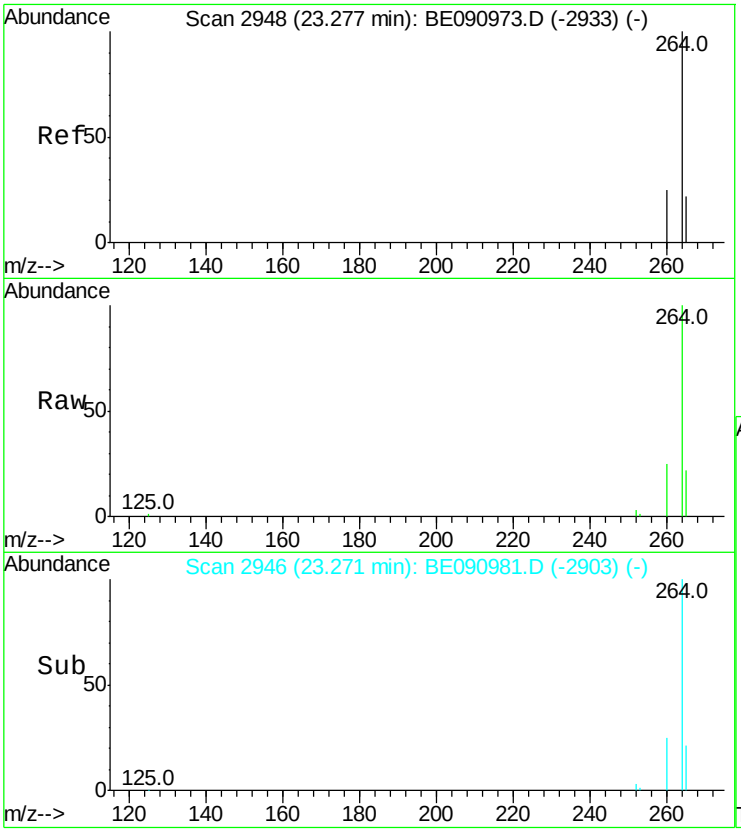


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.91 ng
RT: 25.59 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:276 Resp: 203997

Ion	Ratio	Lower	Upper
276	100		
138	29.6	23.4	35.2
277	25.0	19.8	29.8

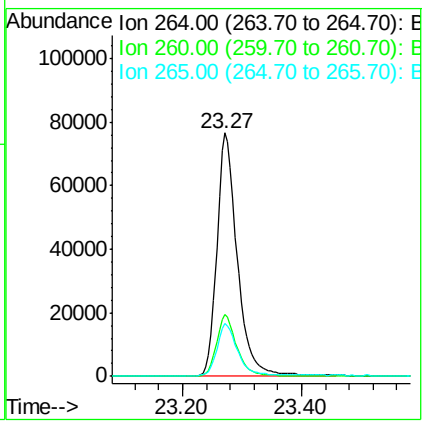




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.27 min Scan# 2946
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:264 Resp: 182687

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.0	30.0
265	21.6	17.5	26.3



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ClientSampleId :
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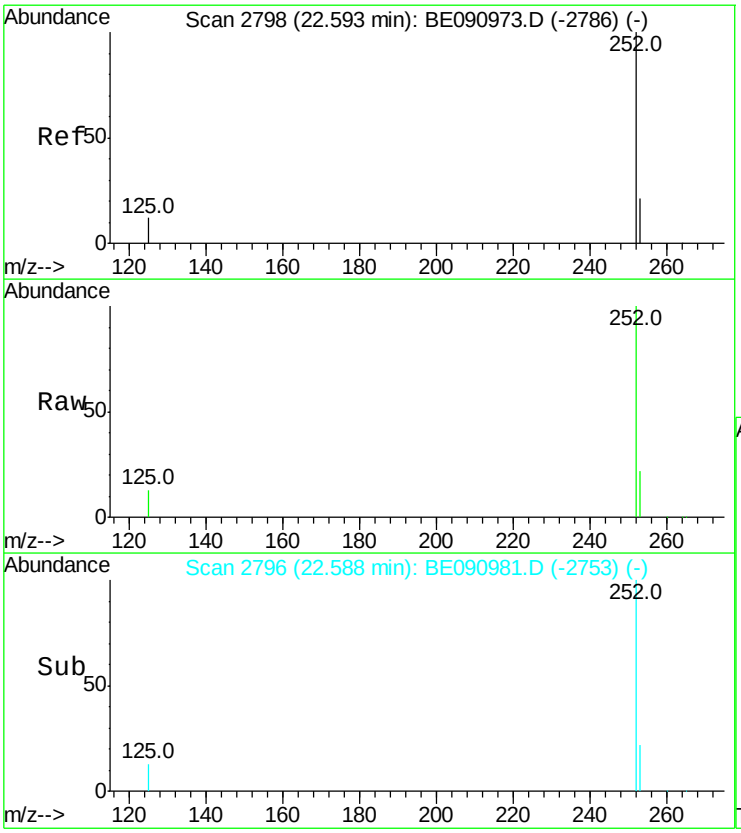
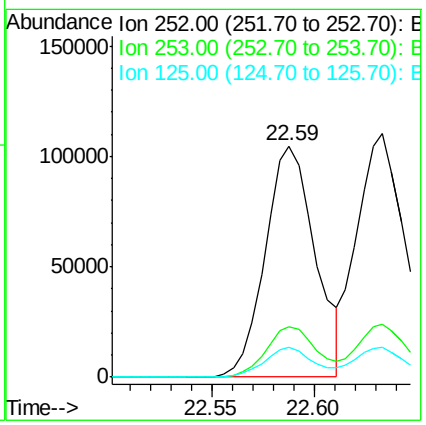
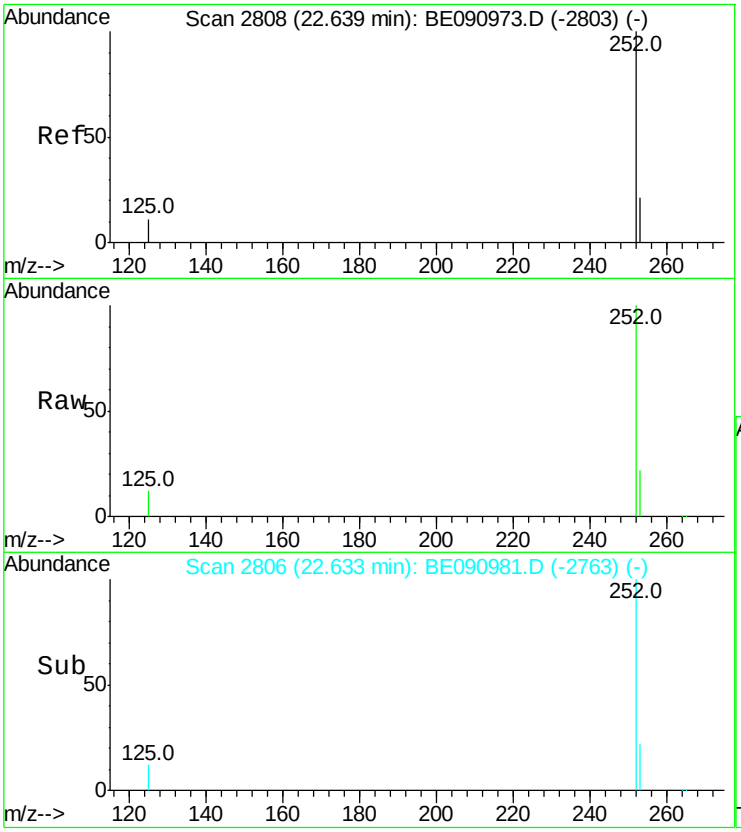


#36
Benzo(b)fluoranthene
Concen: 4.41 ng
RT: 22.59 min Scan# 2796
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:252 Resp: 177457

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	12.7	10.2	15.2

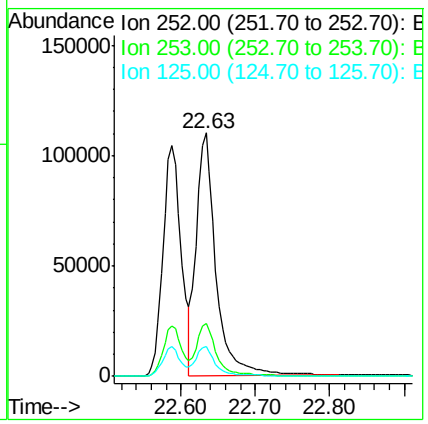




#37
Benzo(k)fluoranthene
Concen: 4.16 ng
RT: 22.63 min Scan# 2806
Delta R.T. -0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

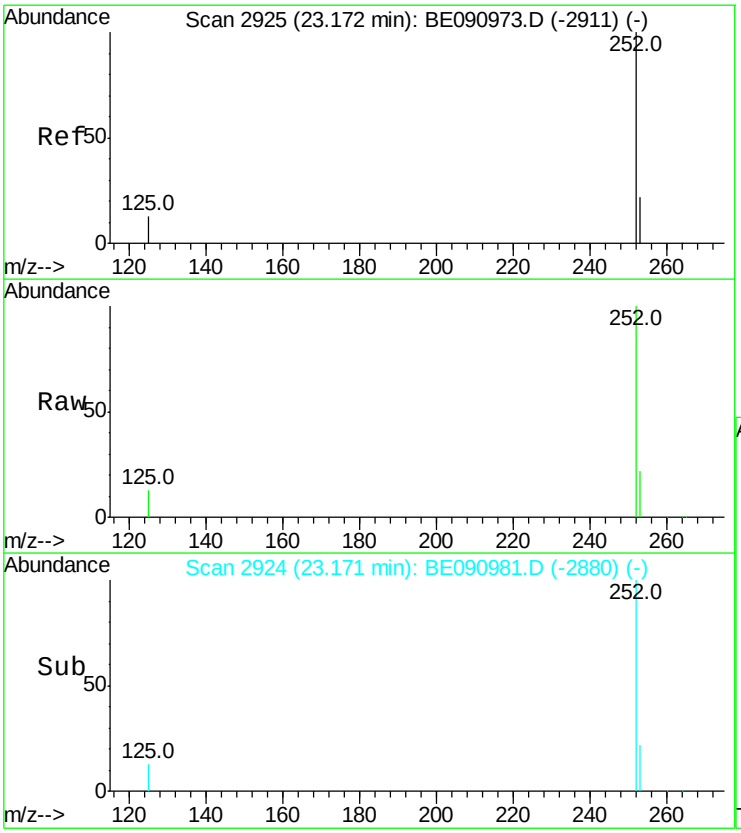
Tgt Ion:252 Resp: 203086

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.1	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
PB85802BS

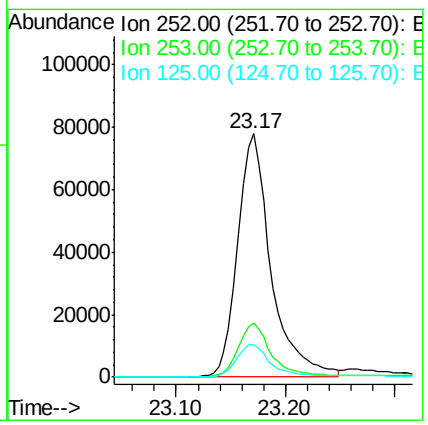
Manual Integrations APPROVED
MMDadoda
10/1/2015 2:25:34 PM

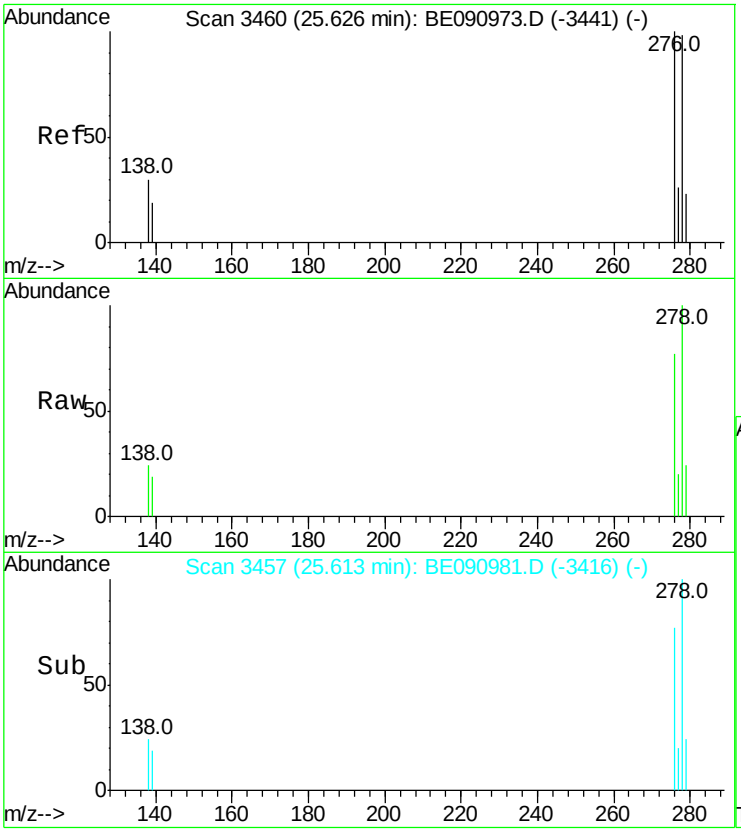


#38
Benzo(a)pyrene
Concen: 4.38 ng
RT: 23.17 min Scan# 2924
Delta R.T. -0.00 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:252 Resp: 163446

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	13.4	11.0	16.4

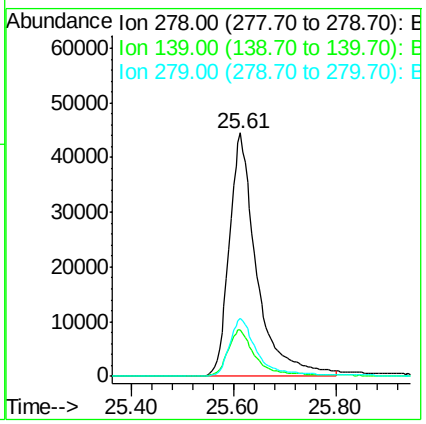




#39
Dibenzo(a,h)anthracene
Concen: 4.48 ng
RT: 25.61 min Scan# 3457
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

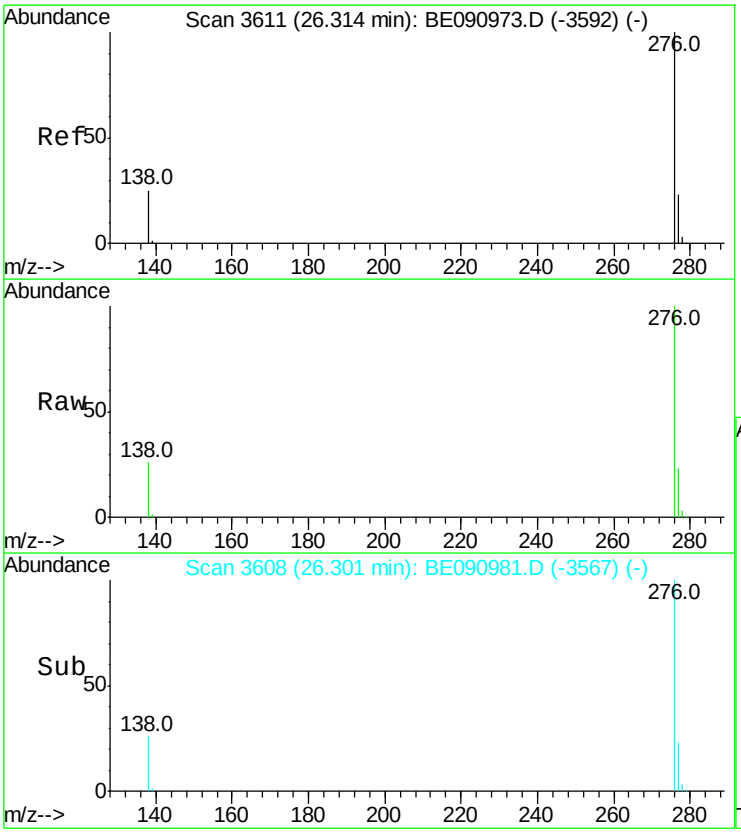
Tgt Ion:278 Resp: 165377

Ion	Ratio	Lower	Upper
278	100		
139	18.9	16.0	24.0
279	24.0	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
PB85802BS

Manual Integrations APPROVED
MMDadoda
10/1/2015 2:25:34 PM



#40
Benzo(g,h,i)perylene
Concen: 4.29 ng
RT: 26.30 min Scan# 3608
Delta R.T. -0.01 min
Lab File: BE090981.D
Acq: 30 Sep 2015 16:31

Tgt Ion:276 Resp: 171617

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	25.9	20.4	30.6