Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102315\
Data File : BE091037.D
Acq On : 23 Oct 2015 17:21
Operator : UM/NP
Sample : PB86253BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB86253BS

Manual Integrations APPROVED
MmDadoda
10/26/2015 7:17:46 PM

Quant Time: Oct 26 15:46:17 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 23:56:52 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	18830	5.00	ng		0.00
7) Naphthalene-d8	9.59	136	88058	5.00	ng		0.00
13) Acenaphthene-d10	13.41	164	49273	5.00	ng		0.00
19) Phenanthrene-d10	16.13	188	123468	5.00	ng		0.00
26) Chrysene-d12	20.29	240	154524	5.00	ng		0.00
35) Perylene-d12	22.19	264	152962	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.93	112	30814	8.07	ng		0.00
5) Phenol-d6	6.54	99	40929	8.49	ng		-0.01
8) Nitrobenzene-d5	8.17	82	26697	4.61	ng		-0.01
14) 2,4,6-Tribromophenol	14.93	330	13254	7.77	ng		-0.01
15) 2-Fluorobiphenyl	12.05	172	50423	3.78	ng		0.00
29) Terphenyl-d14	18.69	244	78641	4.13	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.03	88	8767	3.55	ng	#	83
3) n-Nitrosodimethylamine	3.44	42	13598	4.63	ng	#	86
6) bis(2-Chloroethyl)ether	6.54	93	37272m	7.24	ng		
9) Nitrobenzene	8.21	77	28075	4.28	ng		96
10) Naphthalene	9.63	128	64502	3.80	ng		98
11) Hexachlorobutadiene	9.86	225	8869	3.27	ng		99
12) 2-Methylnaphthalene	11.16	142	46329	4.15	ng		99
16) Acenaphthylene	13.15	152	306210	3.72	ng		100
17) Acenaphthene	13.47	154	46736	3.55	ng		93
18) Fluorene	14.46	166	62346	3.84	ng		98
20) 4-Bromophenyl-phenylether	15.31	248	15760	3.38	ng		77
21) Hexachlorobenzene	15.40	284	16813	0.70	ng	#	92
22) Pentachlorophenol	15.89	266	13605	7.04	ng		90
23) Phenanthrene	16.17	178	108745	3.86	ng		99
24) Anthracene	16.25	178	106232	3.96	ng		99
25) Fluoranthene	18.16	202	126903	3.95	ng		99
27) Benzidine	18.52	184	81825	10.32	ng	#	76
28) Pyrene	18.54	202	139989	3.94	ng		99
30) Benzo(a)anthracene	20.26	228	133759	3.89	ng		99
32) Chrysene	20.32	228	132728	3.65	ng		98
33) Bis(2-ethylhexyl)phthalate	19.97	149	61064	4.17	ng		99
34) Indeno(1,2,3-cd)pyrene	23.83	276	138323	3.60	ng	#	92
36) Benzo(b)fluoranthene	21.62	252	146586	4.35	ng		99
37) Benzo(k)fluoranthene	21.66	252	133989	3.26	ng		99
38) Benzo(a)pyrene	22.09	252	131827	4.22	ng		99
39) Dibenzo(a,h)anthracene	23.79	278	134865	4.37	ng		99
40) Benzo(g,h,i)perylene	24.40	276	141752	4.23	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102315\
Data File : BE091037.D
Acq On : 23 Oct 2015 17:21
Operator : UM/NP
Sample : PB86253BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 26 15:46:17 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 23:56:52 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB86253BS

Manual Integrations APPROVED
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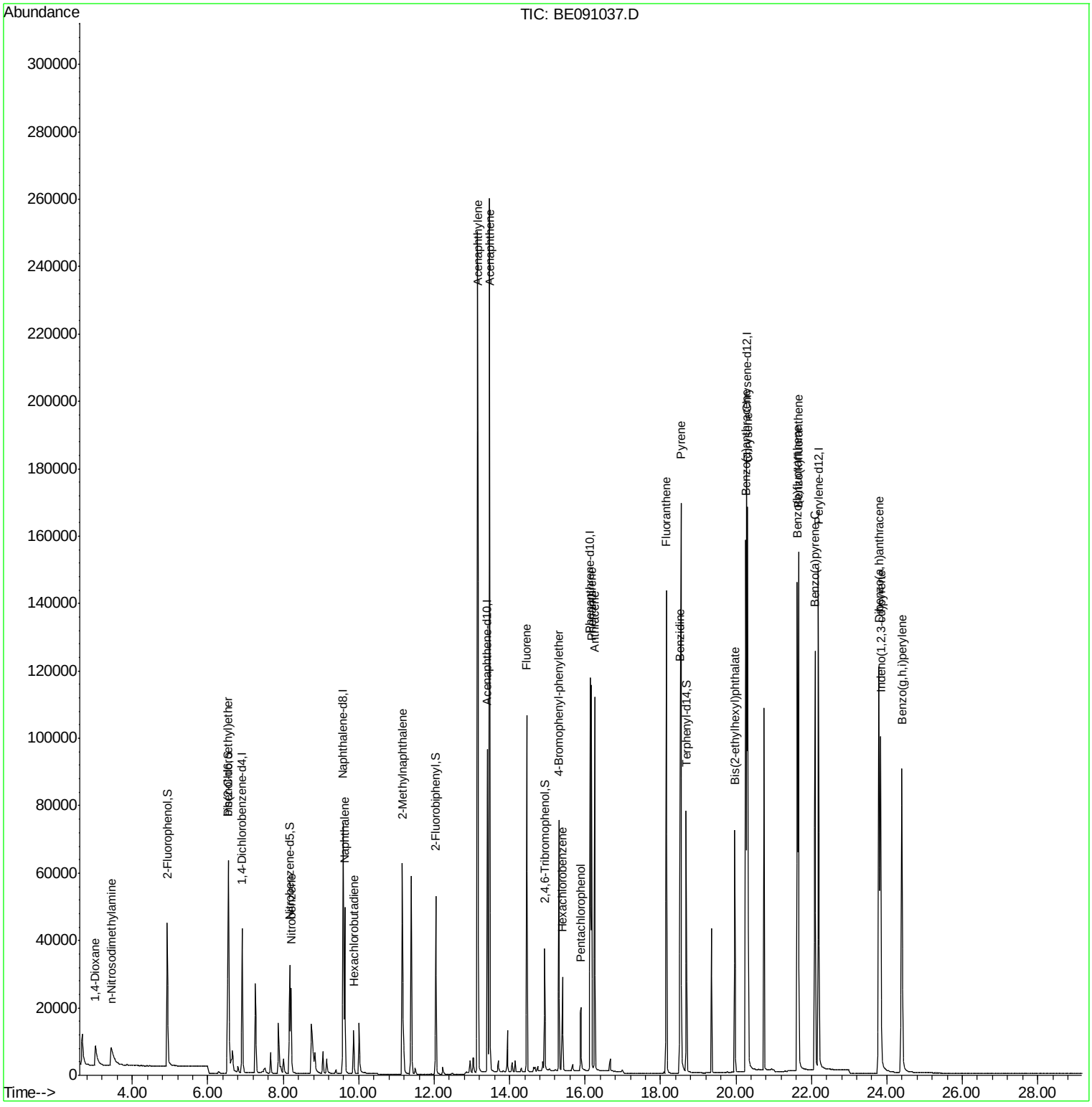
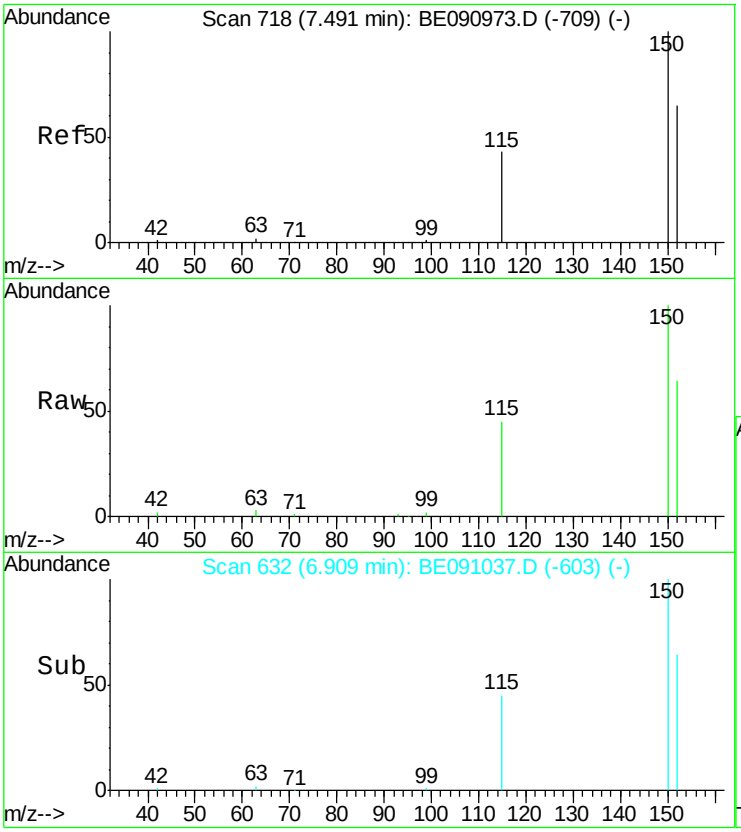
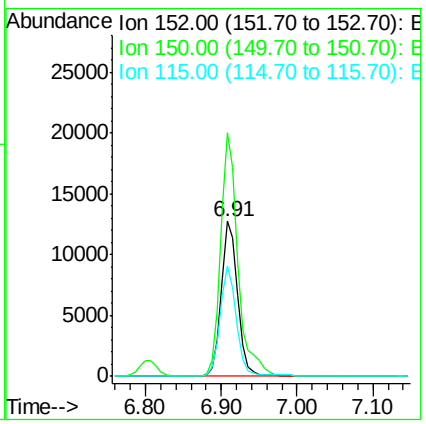




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:152 Resp: 18830

Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.6	183.8
115	71.0	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
PB86253BS

Manual Integrations APPROVED
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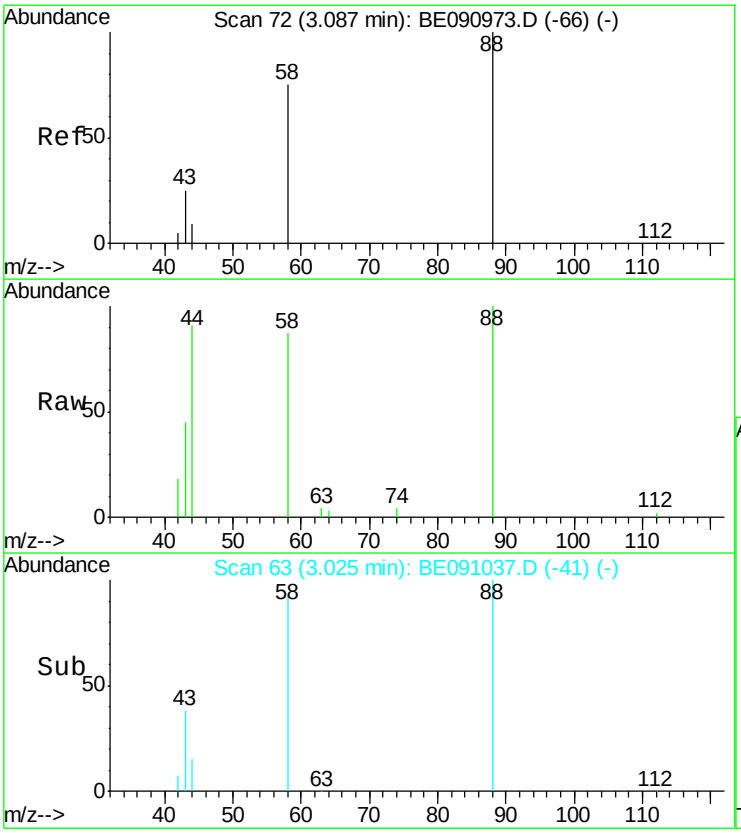
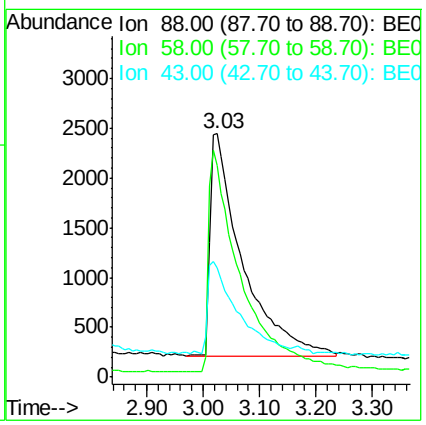
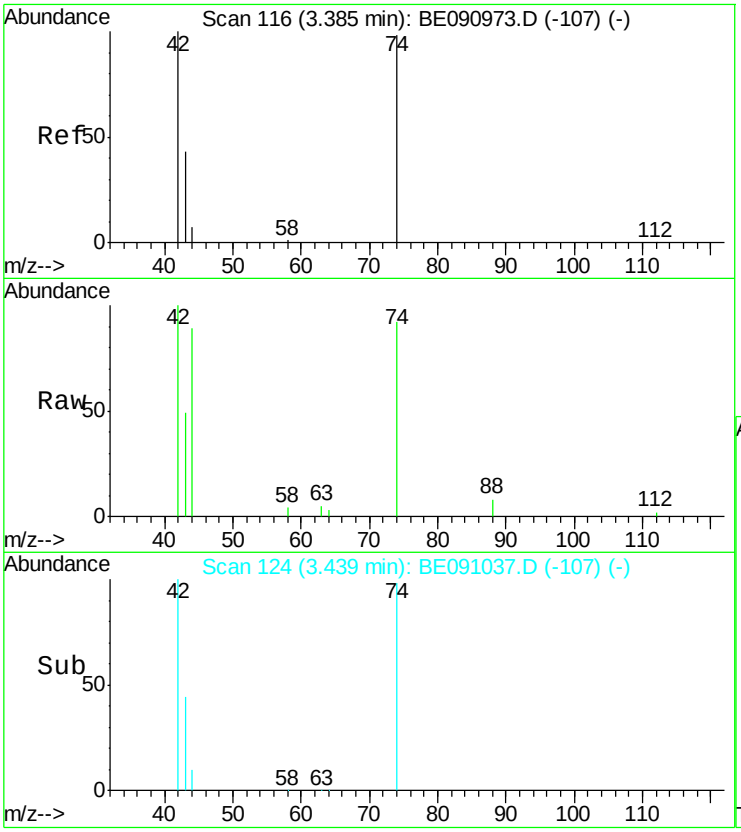


#2
1,4-Dioxane
Concen: 3.55 ng
RT: 3.03 min Scan# 63
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion: 88 Resp: 8767

Ion	Ratio	Lower	Upper
88	100		
58	99.0	65.8	98.6#
43	38.6	25.3	37.9#

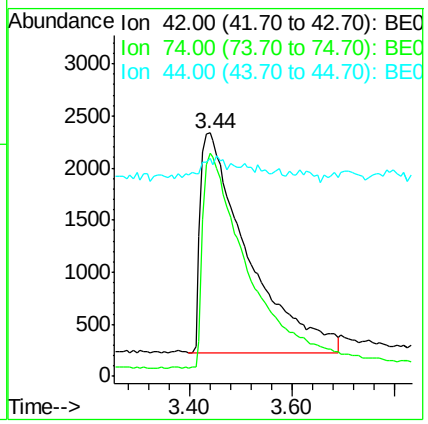




#3
n-Nitrosodimethylamine
Concen: 4.63 ng
RT: 3.44 min Scan# 124
Delta R.T. -0.08 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion: 42 Resp: 13598

Ion	Ratio	Lower	Upper
42	100		
74	95.1	87.9	131.9
44	2.7	6.6	9.8#



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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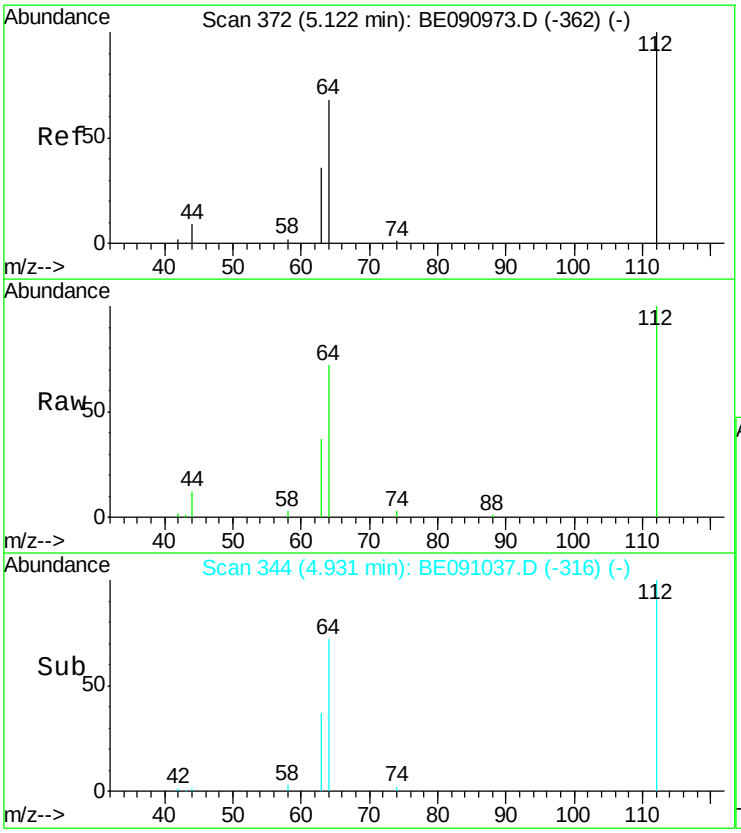
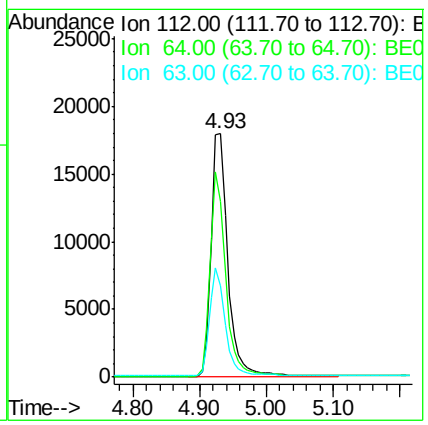
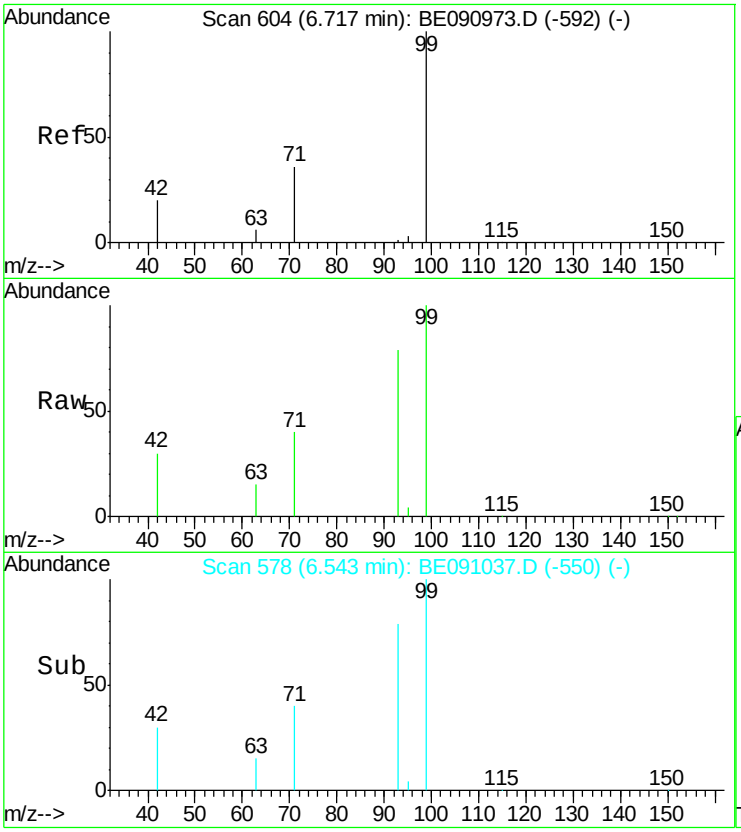


#4
2-Fluorophenol
Concen: 8.07 ng
RT: 4.93 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:112 Resp: 30814

Ion	Ratio	Lower	Upper
112	100		
64	79.3	30.9	46.3#
63	42.1	16.7	25.1#





#5
Phenol-d6
Concen: 8.49 ng
RT: 6.54 min Scan# 578
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion: 99 Resp: 40929

Ion	Ratio	Lower	Upper
99	100		
42	30.6	16.2	24.2#
71	38.2	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
PB86253BS

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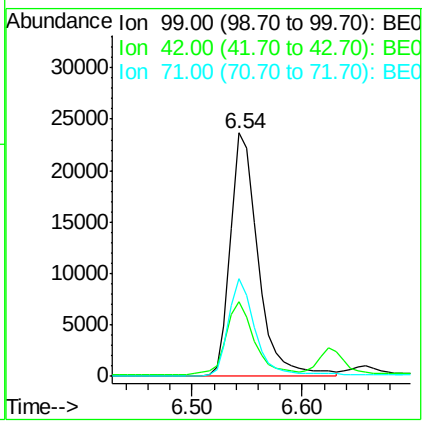
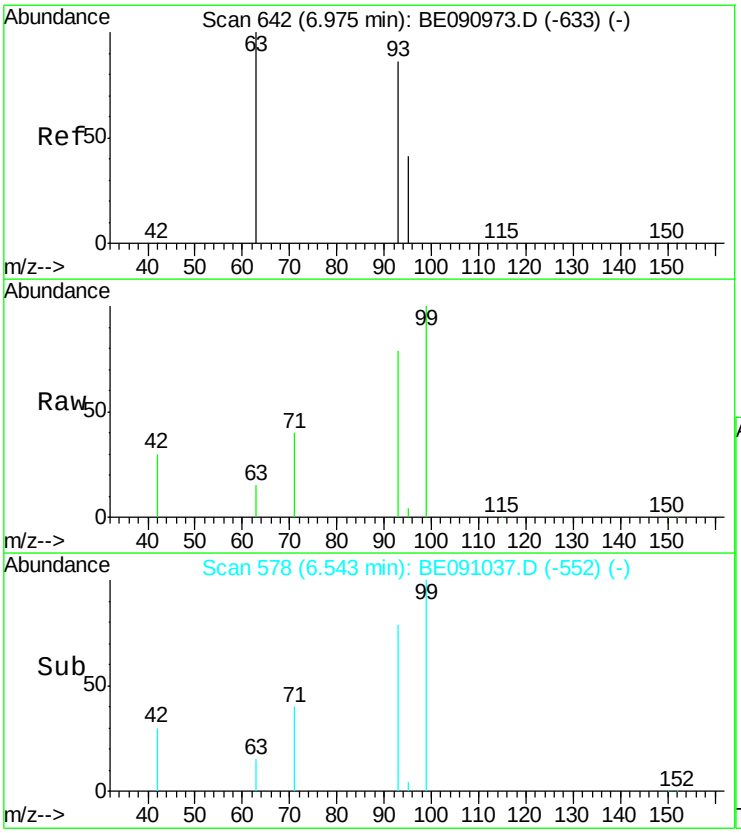
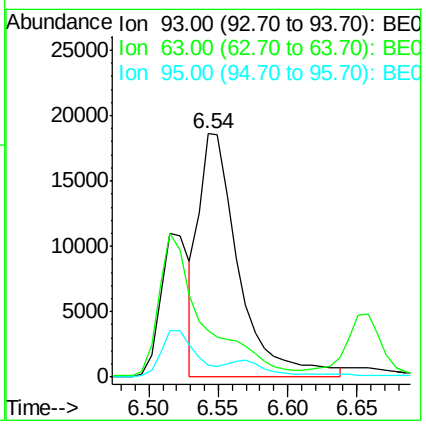


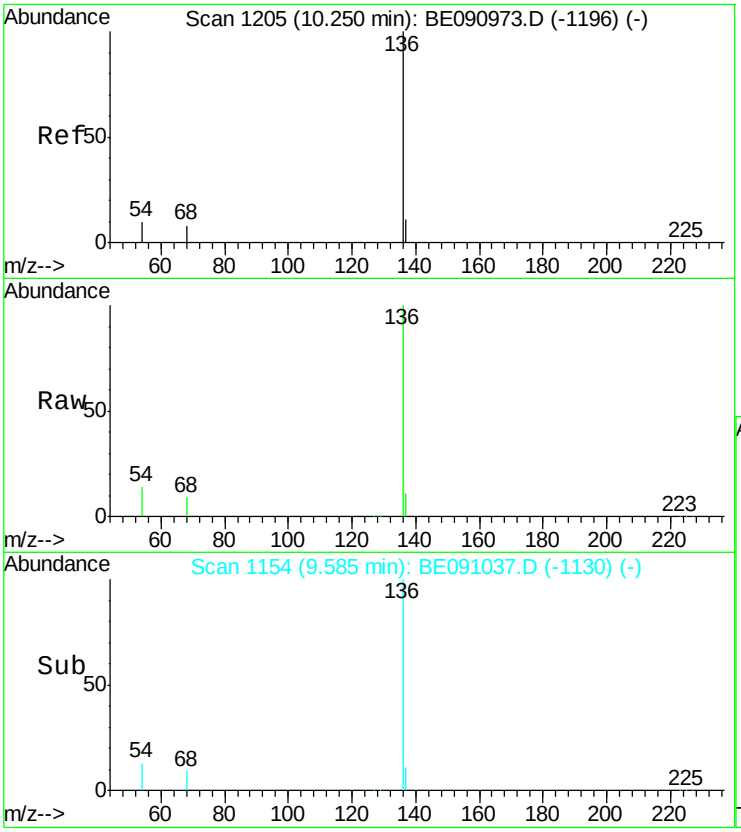


#6
bis(2-Chloroethyl)ether
Concen: 7.24 ng m
RT: 6.54 min Scan# 578
Delta R.T. -0.03 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion: 93 Resp: 37272

Ion	Ratio	Lower	Upper
93	100		
63	0.0	49.5	74.3#
95	0.0	22.2	33.4#

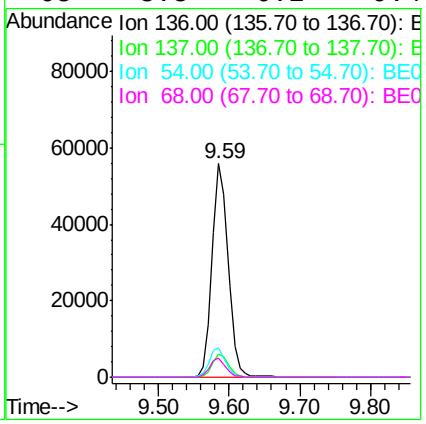




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 9.59 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:136 Resp: 88058

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	13.9	8.2	12.4#
68	8.8	6.2	9.4



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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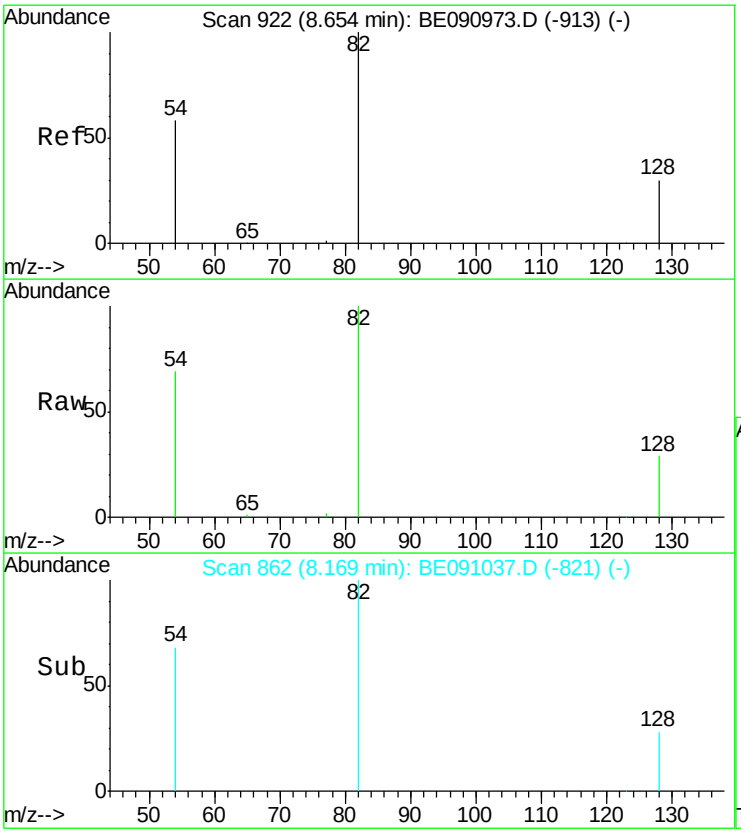
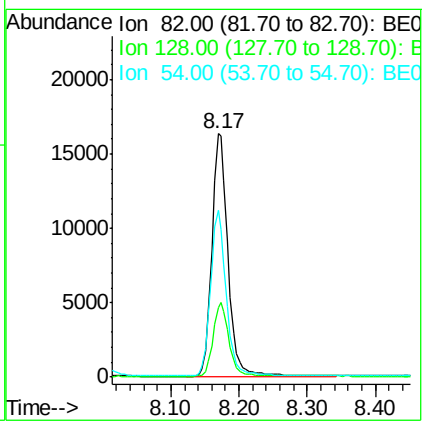
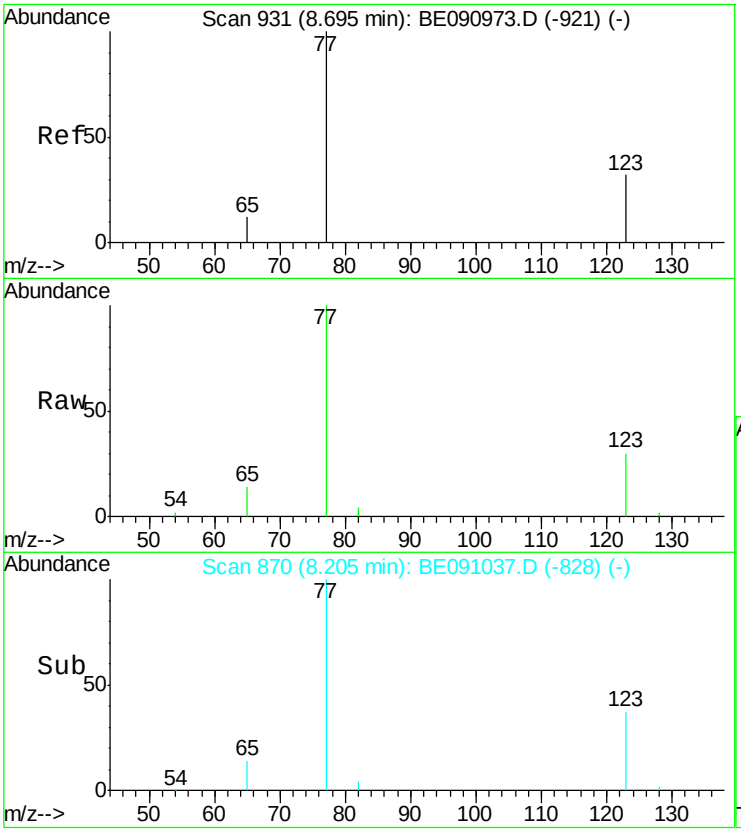


#8
Nitrobenzene-d5
Concen: 4.61 ng
RT: 8.17 min Scan# 862
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion: 82 Resp: 26697

Ion	Ratio	Lower	Upper
82	100		
128	28.7	25.4	38.0
54	68.7	48.4	72.6

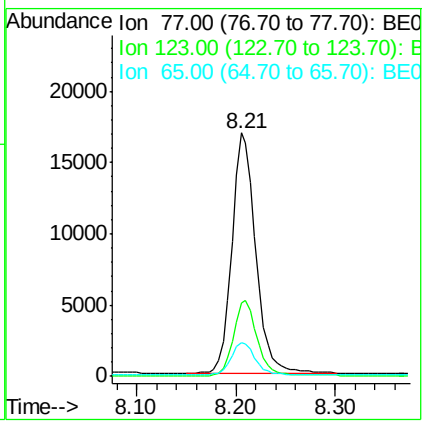




#9
Nitrobenzene
Concen: 4.28 ng
RT: 8.21 min Scan# 870
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion: 77 Resp: 28075

Ion	Ratio	Lower	Upper
77	100		
123	31.3	26.9	40.3
65	13.6	9.4	14.2



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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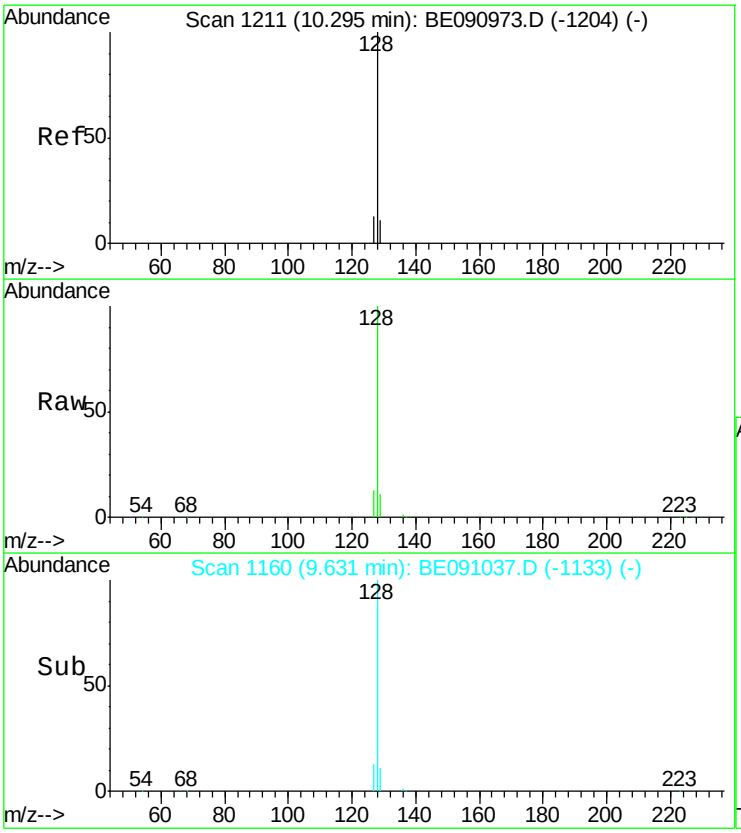
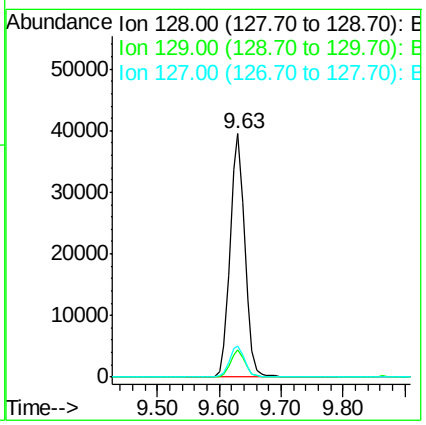
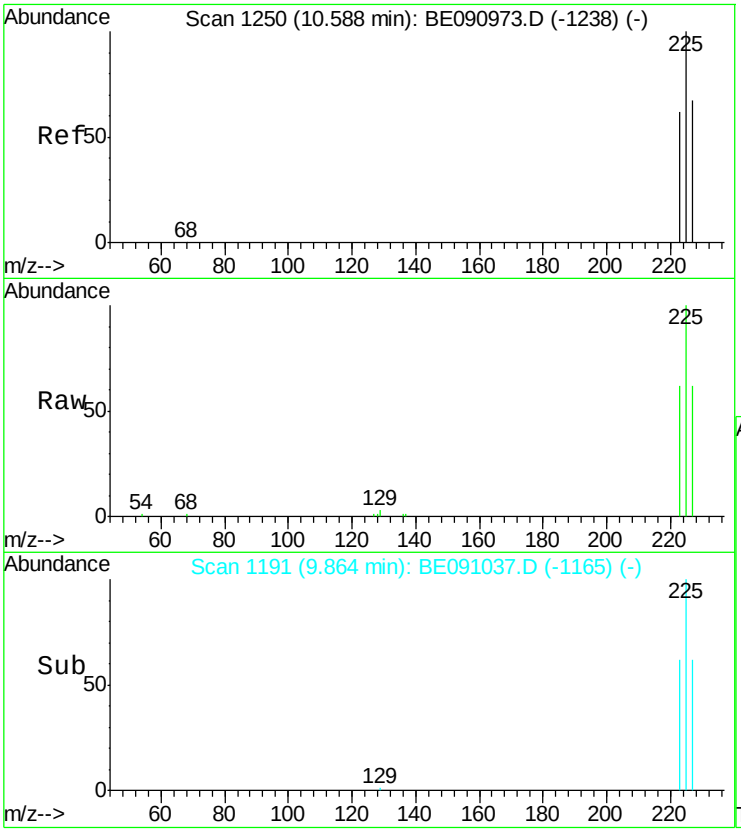


#10
Naphthalene
Concen: 3.80 ng
RT: 9.63 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:128 Resp: 64502

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	12.8	10.7	16.1

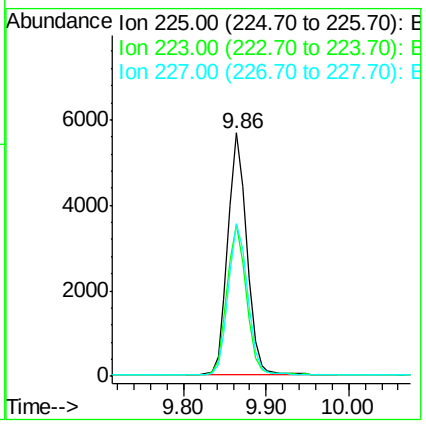




#11
Hexachlorobutadiene
Concen: 3.27 ng
RT: 9.86 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:225 Resp: 8869

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.0	73.6
227	63.4	50.3	75.5



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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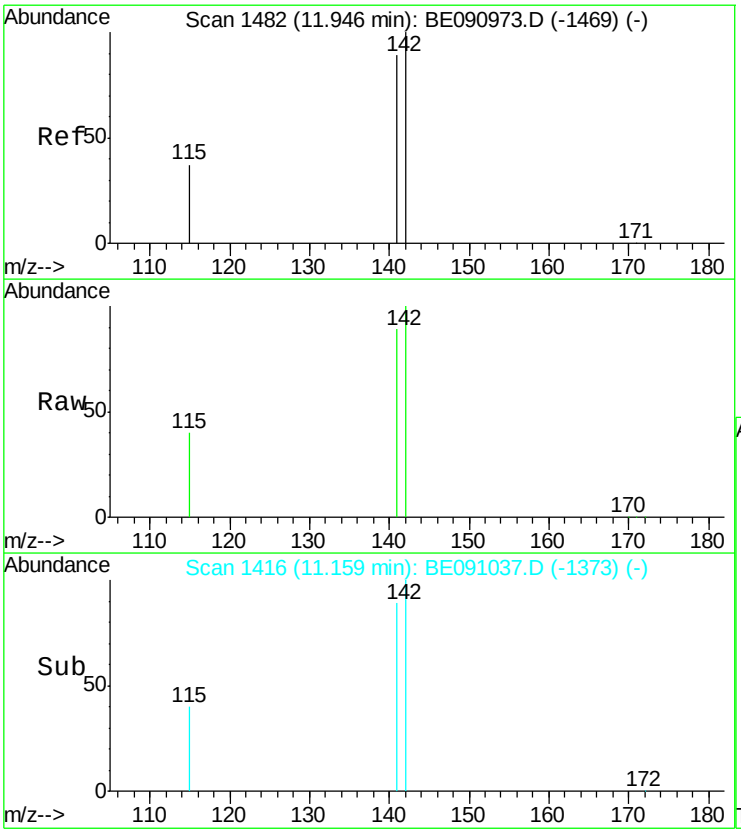
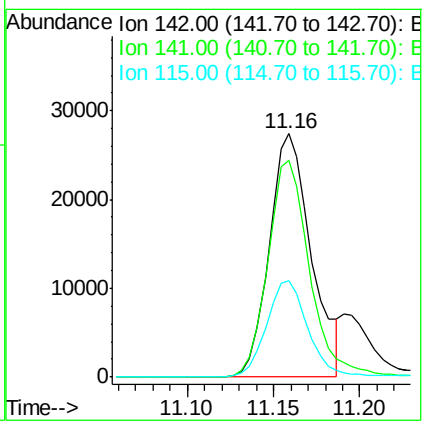
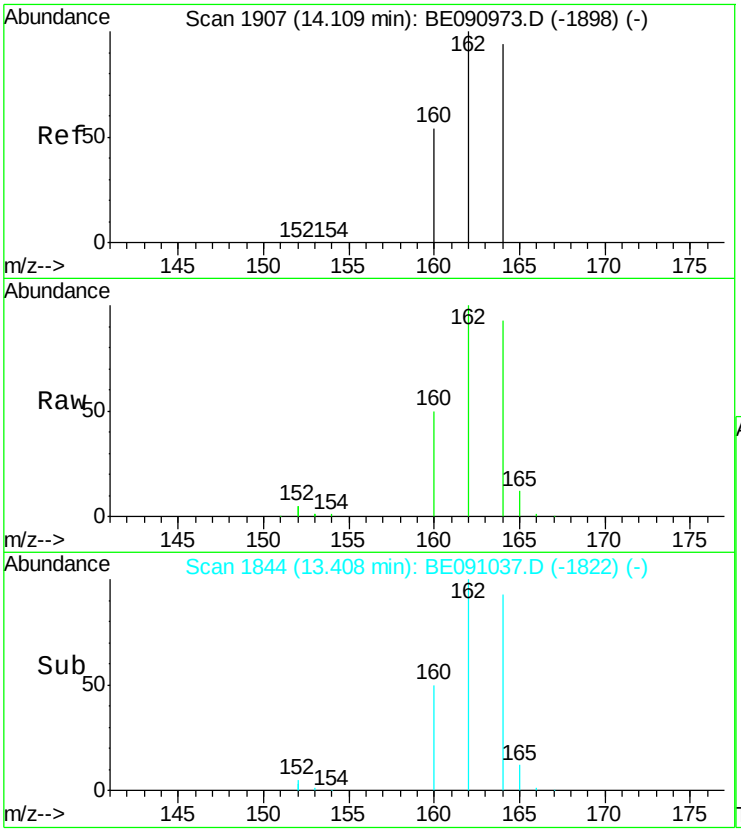


#12
2-Methylnaphthalene
Concen: 4.15 ng
RT: 11.16 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:142 Resp: 46329

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.0
115	39.8	30.3	45.5

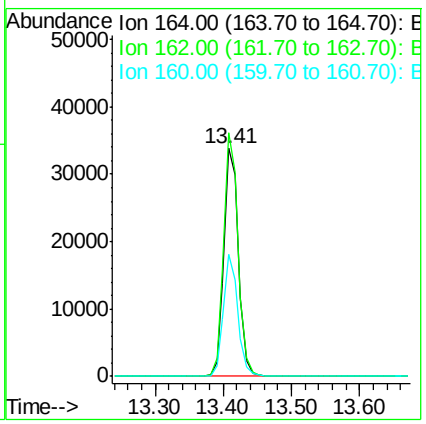




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:164 Resp: 49273

Ion	Ratio	Lower	Upper
164	100		
162	107.0	85.3	127.9
160	53.6	46.2	69.2



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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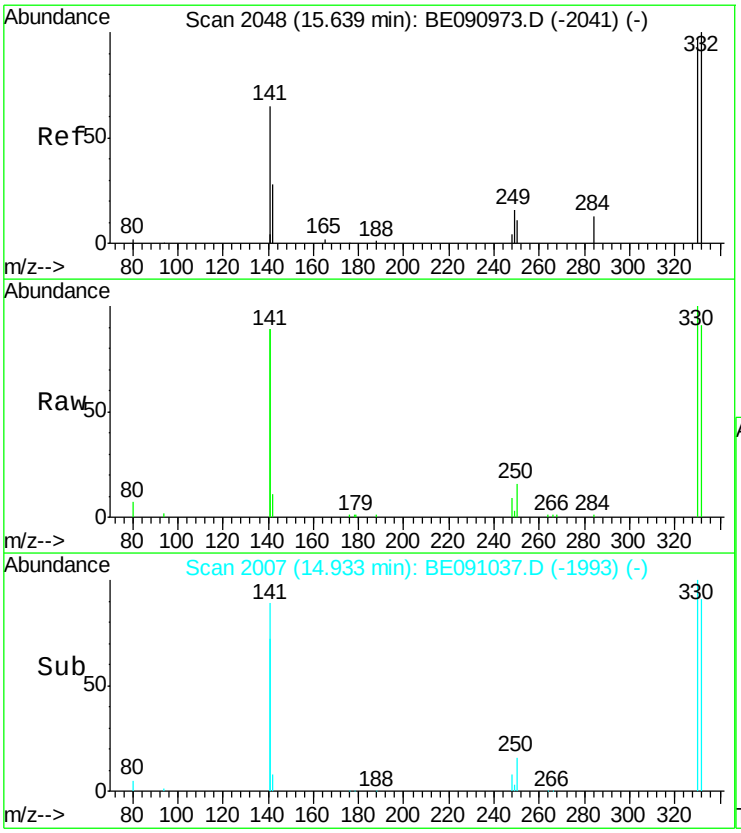
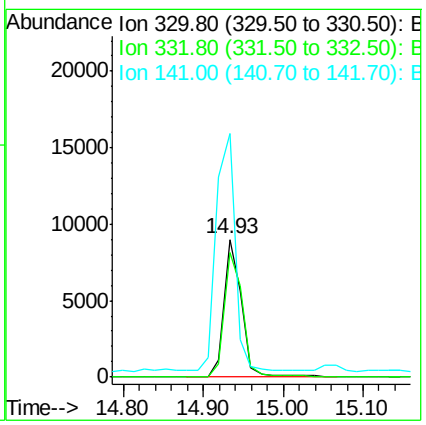
10/26/2015 7:17:46 PM

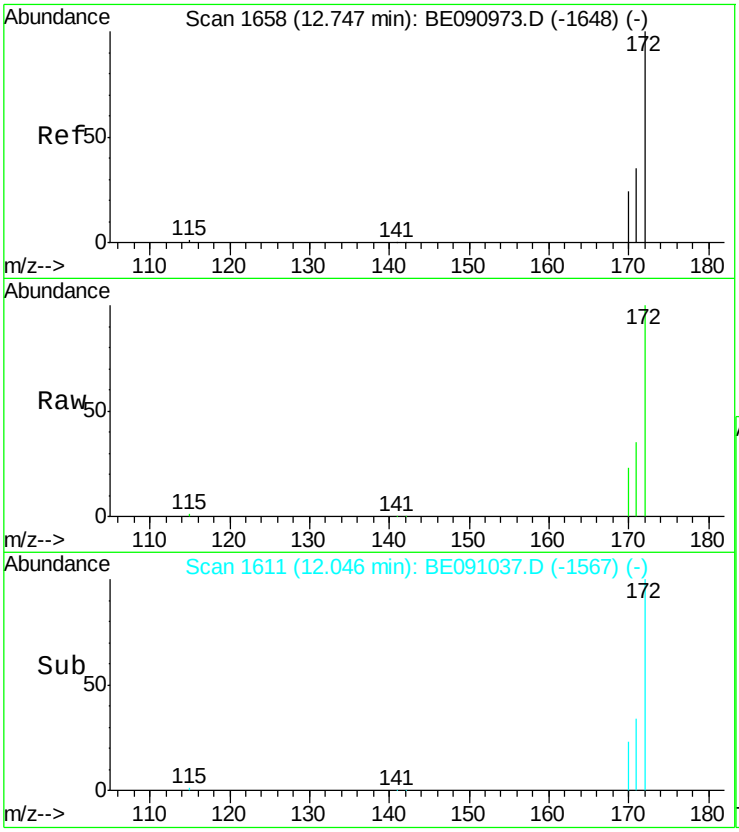


#14
2,4,6-Tribromophenol
Concen: 7.77 ng
RT: 14.93 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:330 Resp: 13254

Ion	Ratio	Lower	Upper
330	100		
332	96.1	79.1	118.7
141	190.6	125.4	188.0#

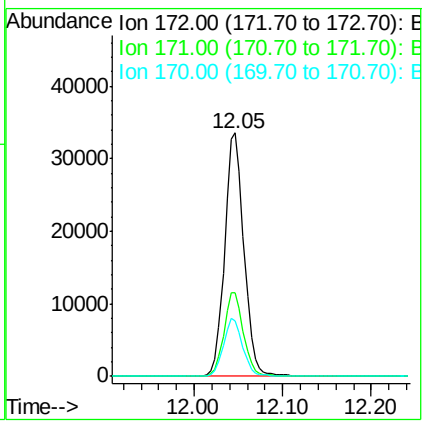




#15
2-Fluorobiphenyl
Concen: 3.78 ng
RT: 12.05 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:172 Resp: 50423

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.8	43.2
170	22.8	19.3	28.9



Instrument :
BNA_E
ClientSampleId :
PB86253BS

Manual Integrations APPROVED
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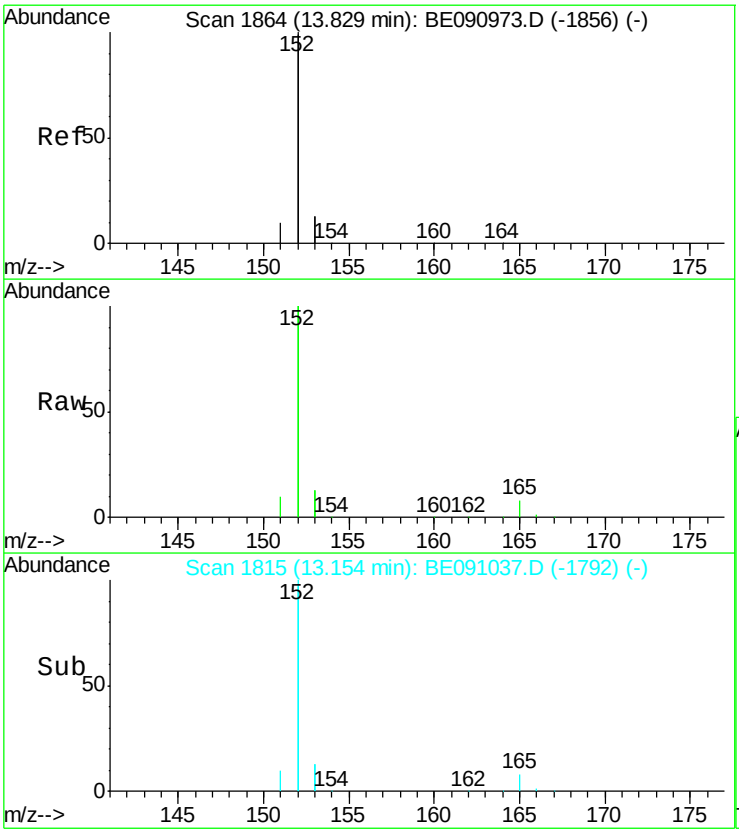
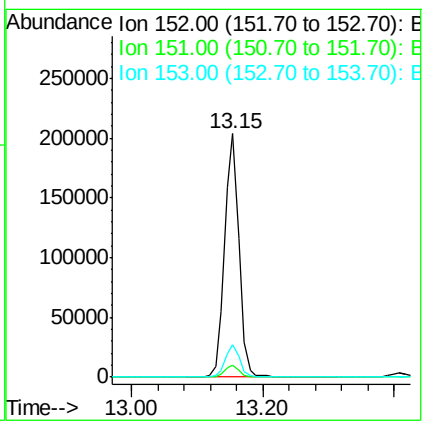
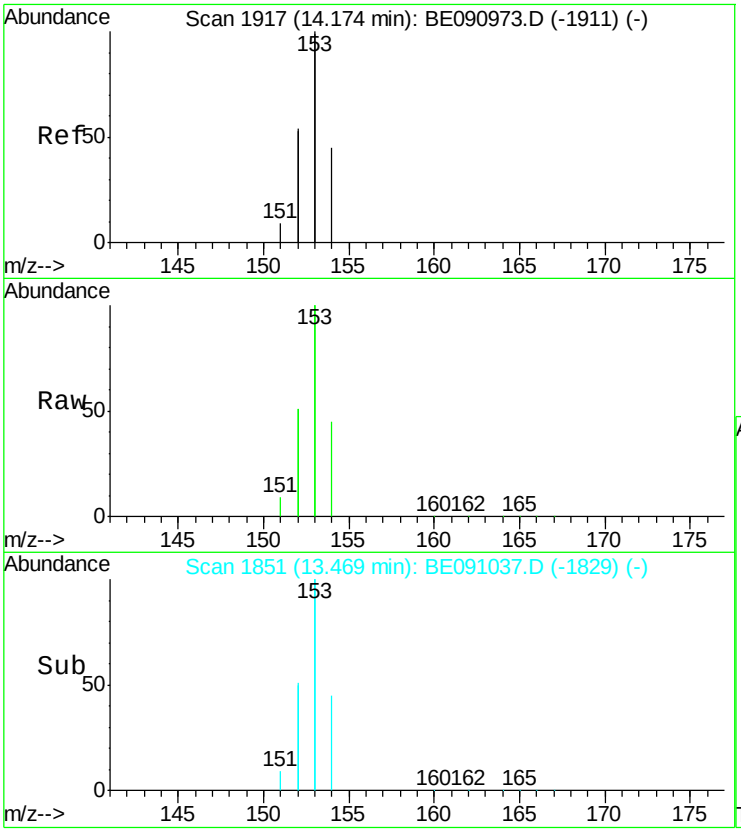


#16
Acenaphthylene
Concen: 3.72 ng
RT: 13.15 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:152 Resp: 306210

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

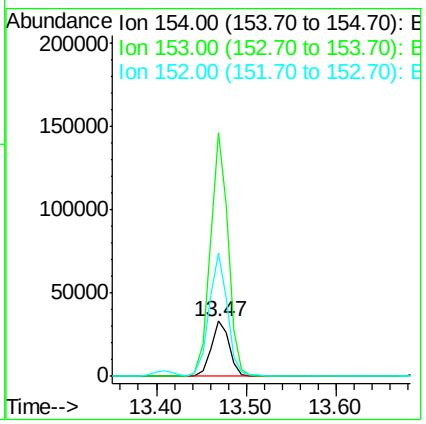




#17
Acenaphthene
Concen: 3.55 ng
RT: 13.47 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:154 Resp: 46736

Ion	Ratio	Lower	Upper
154	100		
153	433.2	352.0	528.0
152	222.8	200.0	300.0



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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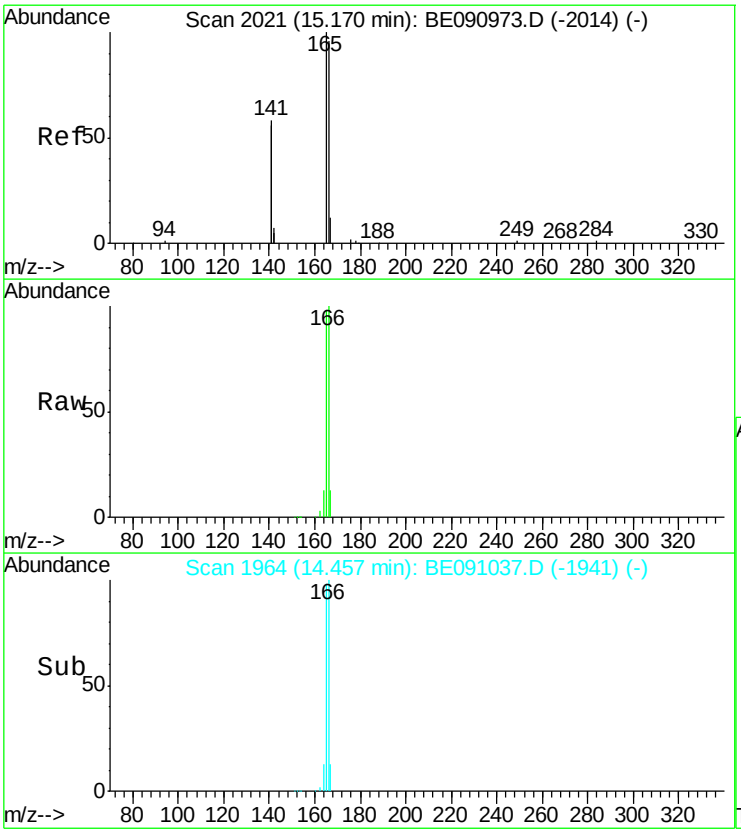
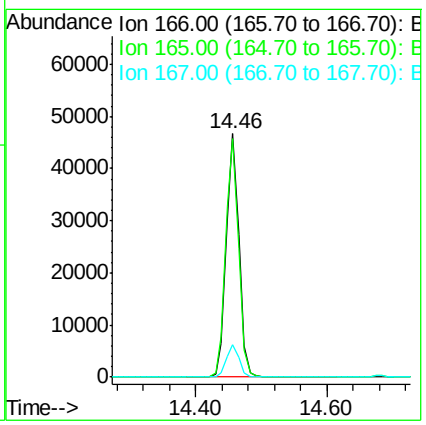
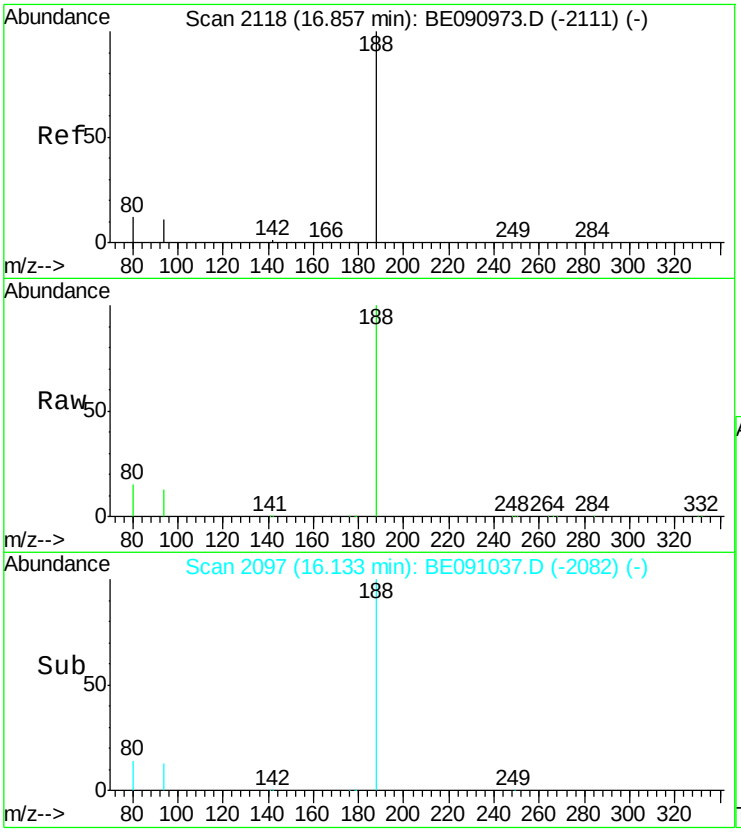


#18
Fluorene
Concen: 3.84 ng
RT: 14.46 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:166 Resp: 62346

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.8	121.2
167	13.5	10.9	16.3





#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.13 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:188 Resp: 123468

Ion	Ratio	Lower	Upper
188	100		
94	13.0	8.7	13.1
80	14.5	9.4	14.0#

Instrument :
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ClientSampleId :
PB86253BS

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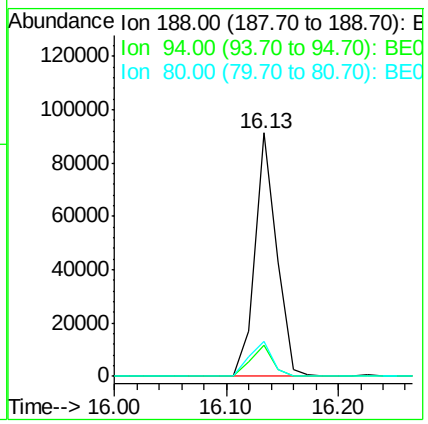
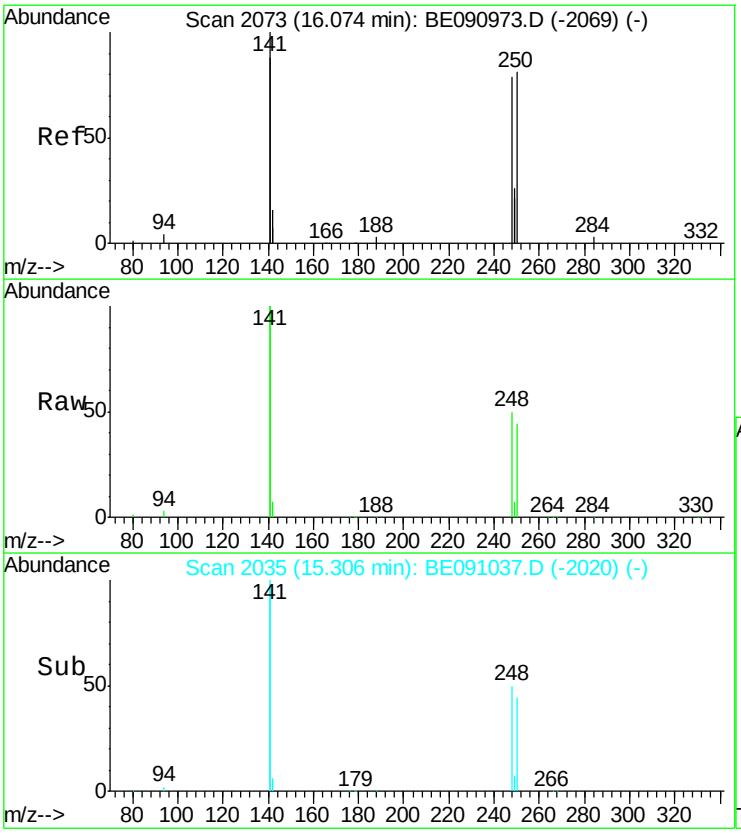
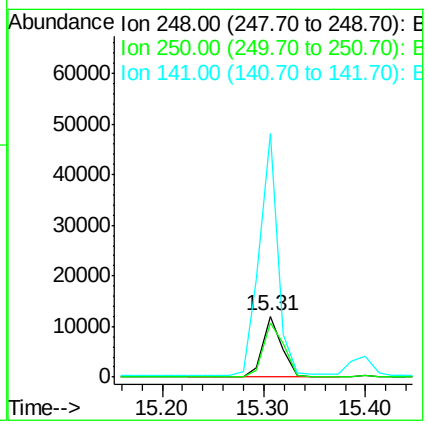


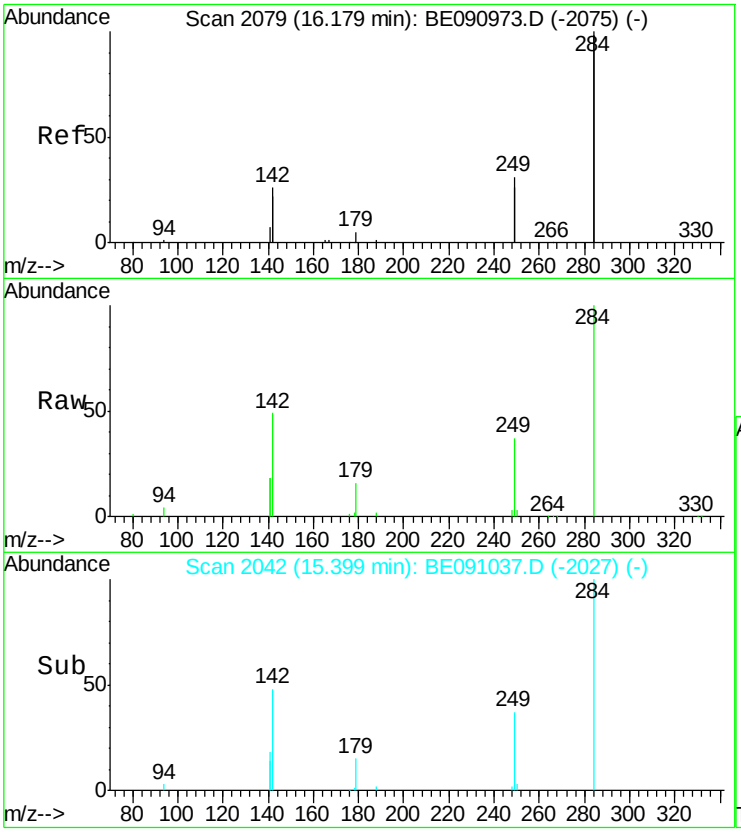


#20
4-Bromophenyl-phenylether
Concen: 3.38 ng
RT: 15.31 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:248 Resp: 15760

Ion	Ratio	Lower	Upper
248	100		
250	96.5	80.5	120.7
141	387.9	261.9	392.9

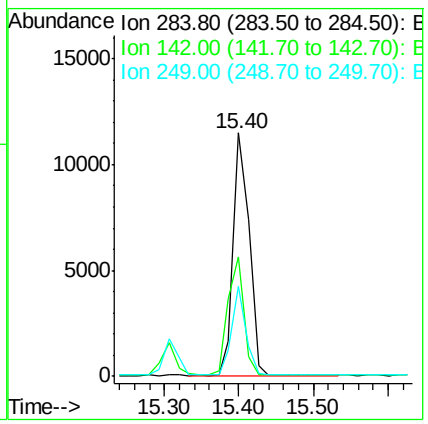




#21
Hexachlorobenzene
Concen: 0.70 ng
RT: 15.40 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:284 Resp: 16813

Ion	Ratio	Lower	Upper
284	100		
142	48.3	32.2	48.2#
249	32.6	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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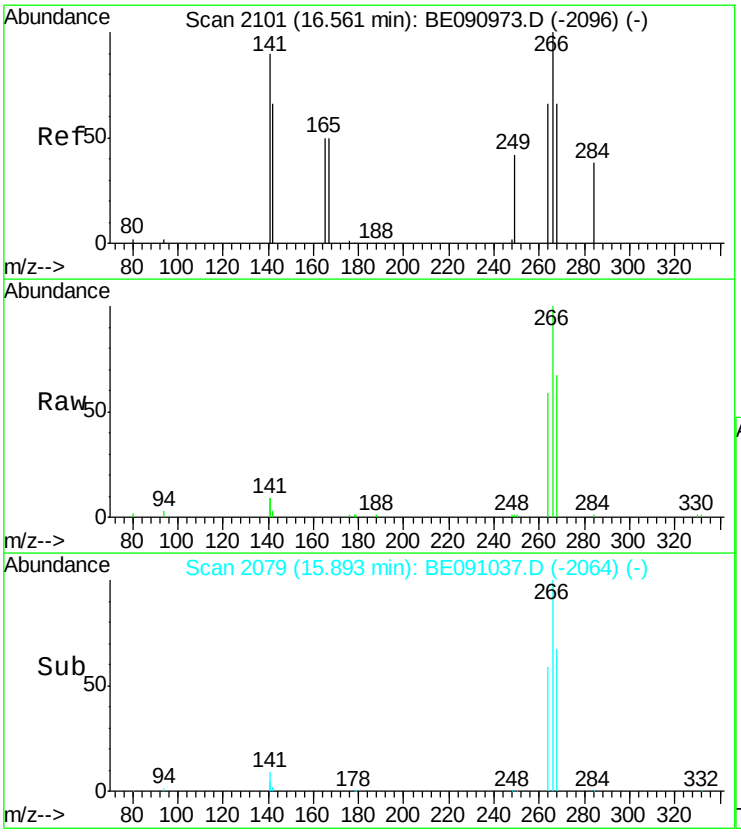
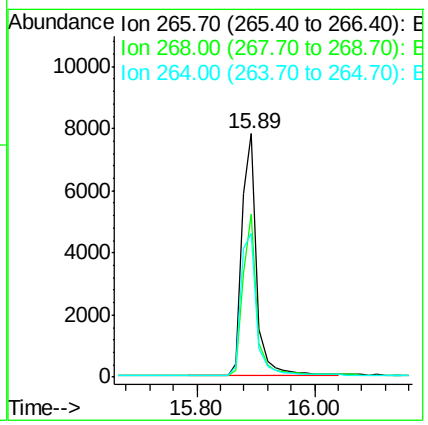
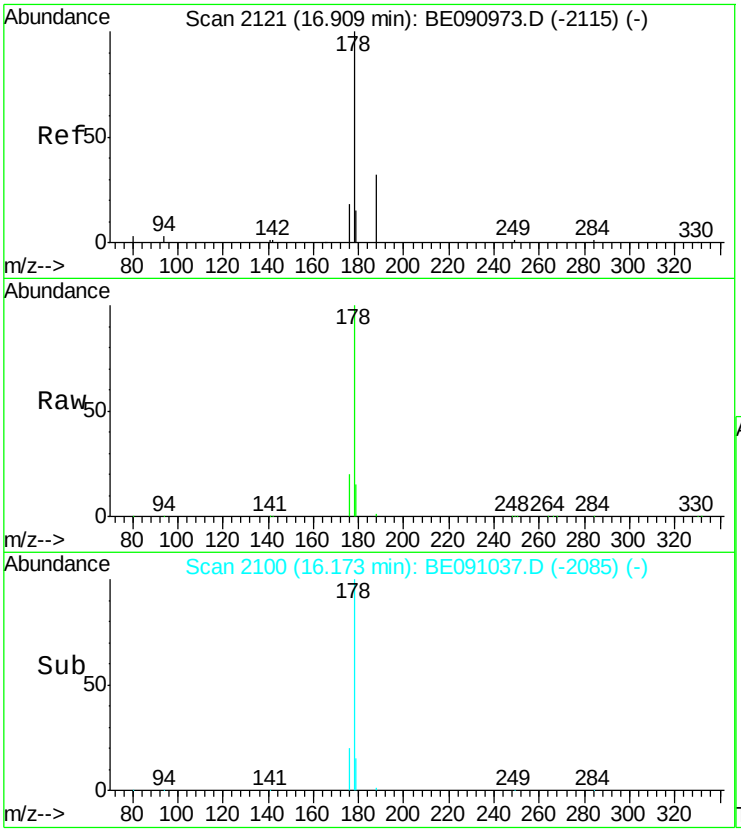


#22
Pentachlorophenol
Concen: 7.04 ng
RT: 15.89 min Scan# 2079
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:266 Resp: 13605

Ion	Ratio	Lower	Upper
266	100		
268	66.9	58.2	87.2
264	58.8	56.2	84.4

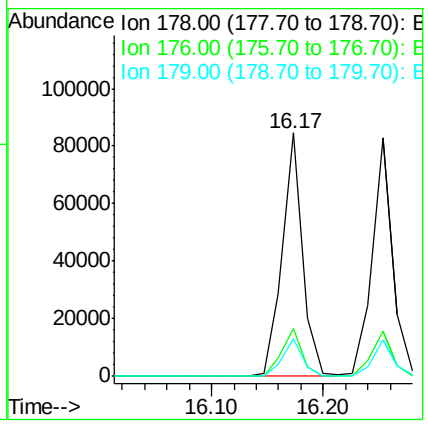




#23
Phenanthrene
Concen: 3.86 ng
RT: 16.17 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:178 Resp: 108745

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.1	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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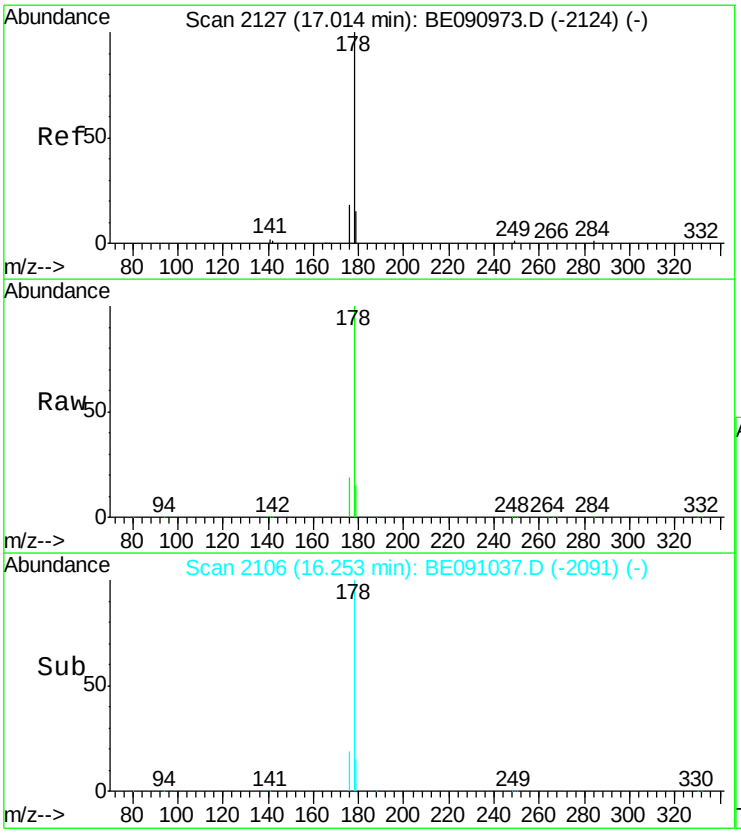
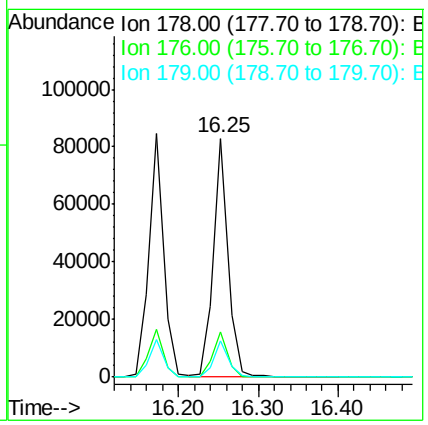
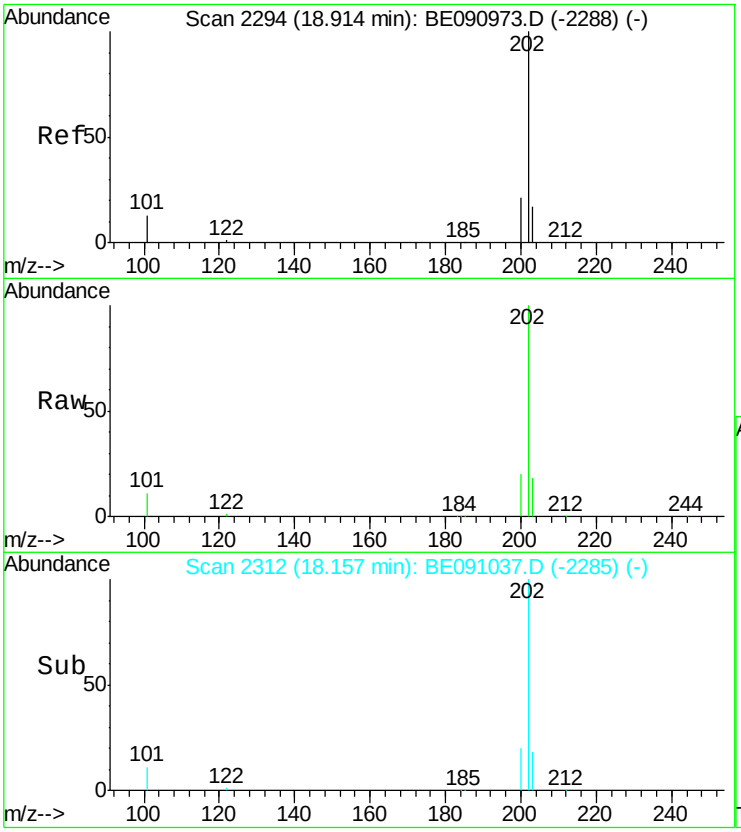


#24
Anthracene
Concen: 3.96 ng
RT: 16.25 min Scan# 2106
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:178 Resp: 106232

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.2	11.8	17.6





#25
Fluoranthene
Concen: 3.95 ng
RT: 18.16 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:202 Resp: 126903

Ion	Ratio	Lower	Upper
202	100		
101	14.4	11.0	16.6
203	17.3	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
PB86253BS

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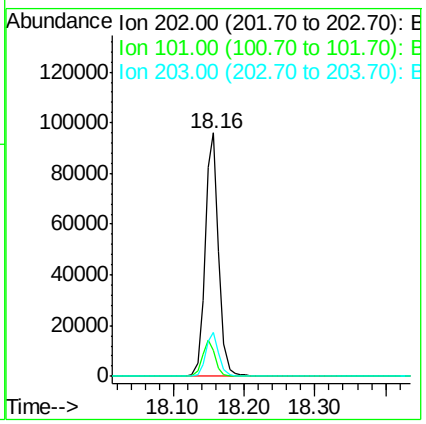
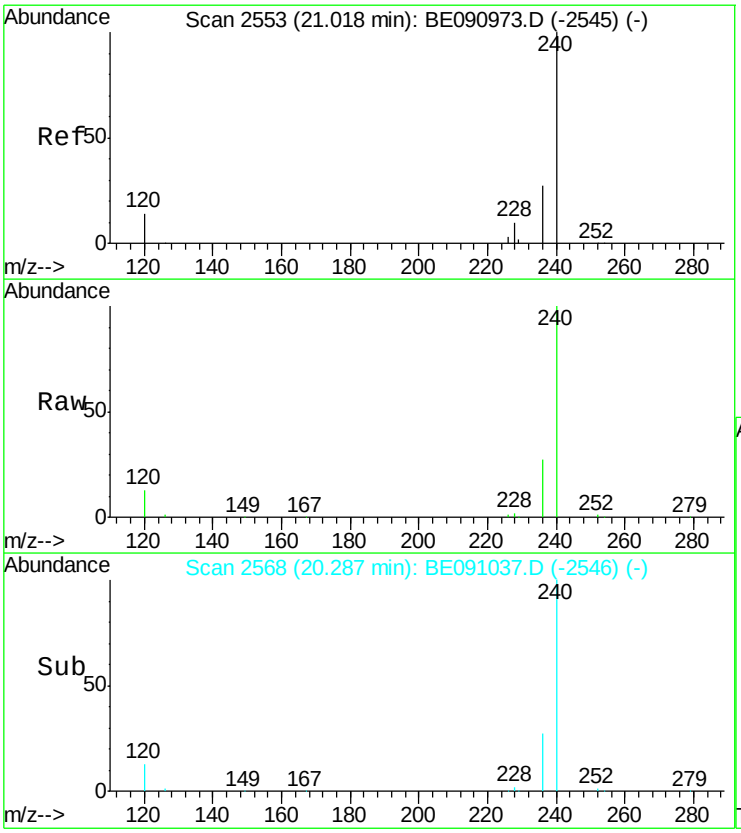
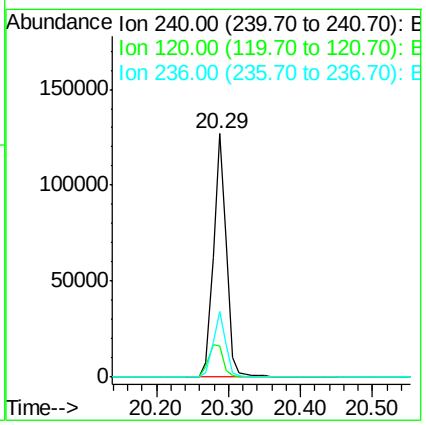


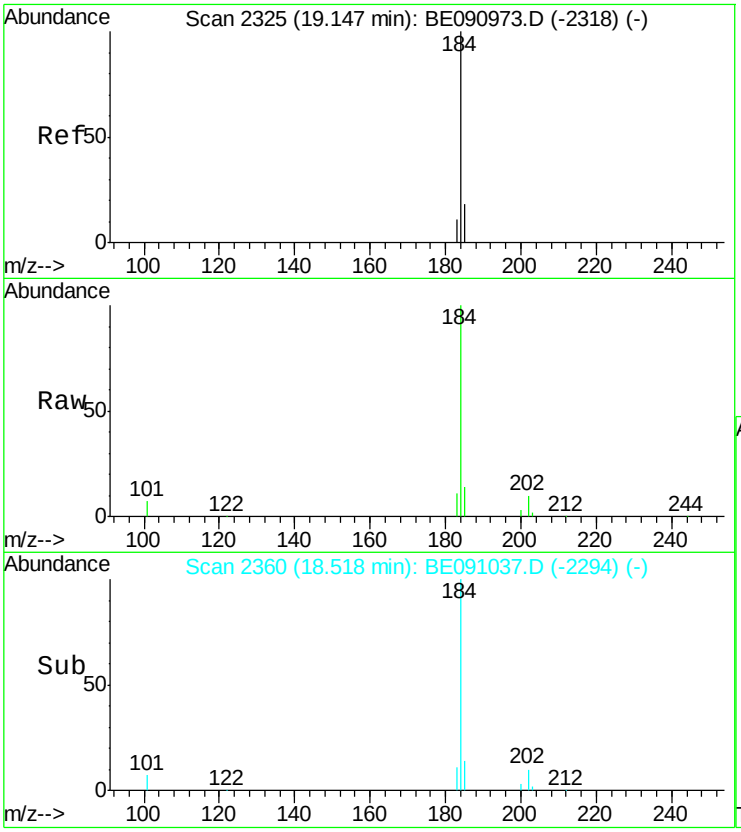


#26
Chrysene-d12
Concen: 5.00 ng
RT: 20.29 min Scan# 2568
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:240 Resp: 154524

Ion	Ratio	Lower	Upper
240	100		
120	12.6	11.0	16.4
236	26.9	21.7	32.5





#27
Benzidine
Concen: 10.32 ng
RT: 18.52 min Scan# 2360
Delta R.T. -0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:184 Resp: 81825

Ion	Ratio	Lower	Upper
184	100		
185	13.8	22.3	33.5#
183	11.4	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
PB86253BS

Manual Integrations APPROVED
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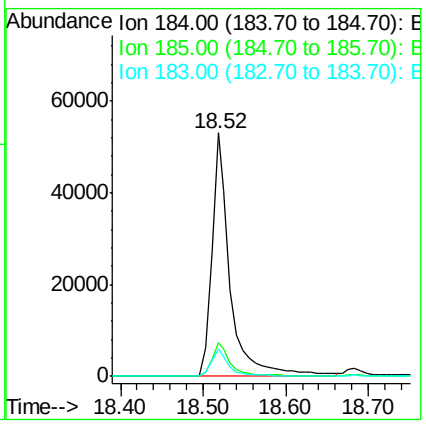
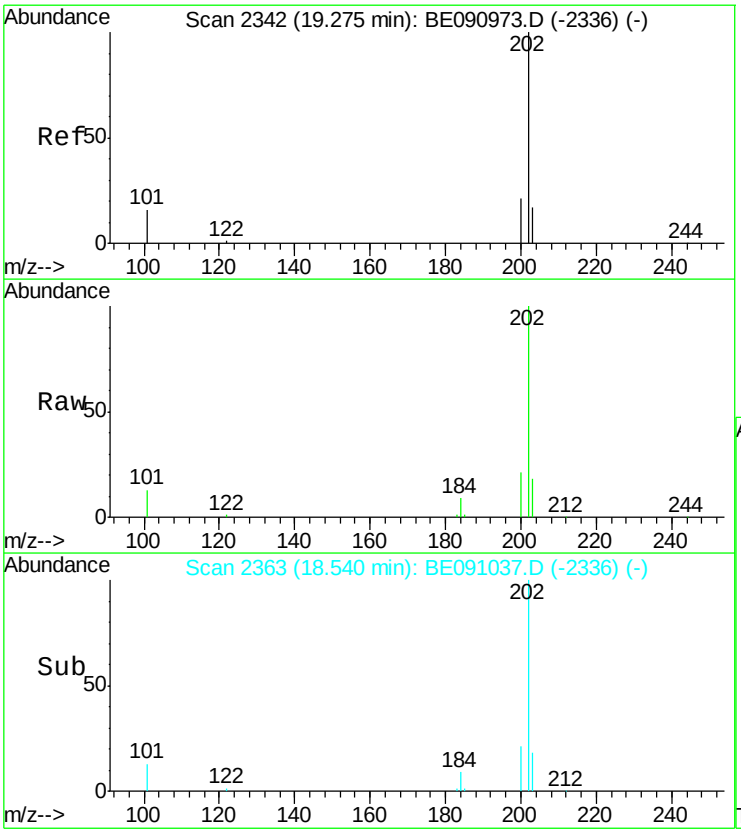
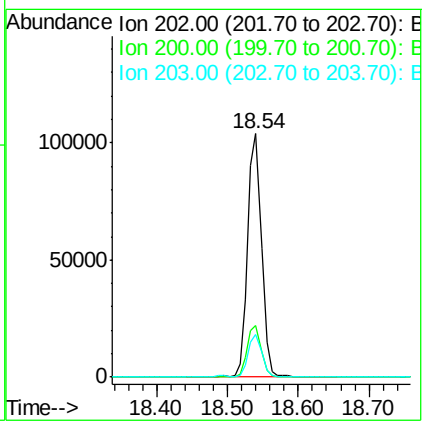


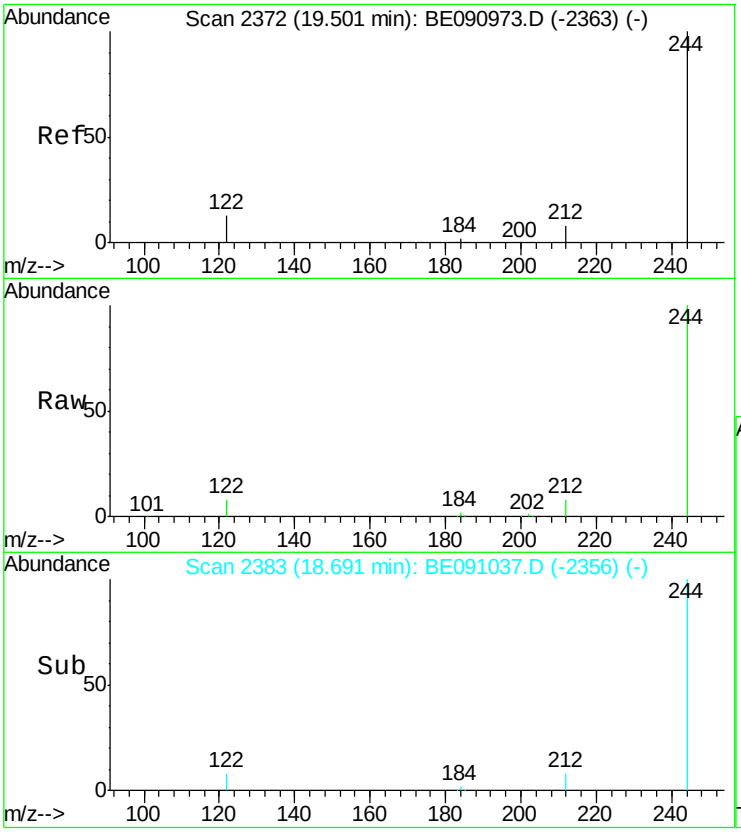


#28
Pyrene
Concen: 3.94 ng
RT: 18.54 min Scan# 2363
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:202 Resp: 139989

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.3	14.0	21.0





#29
Terphenyl-d14
Concen: 4.13 ng
RT: 18.69 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:244 Resp: 78641

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.9	10.3
122	8.2	11.0	16.4#

Instrument :
BNA_E
ClientSampleId :
PB86253BS

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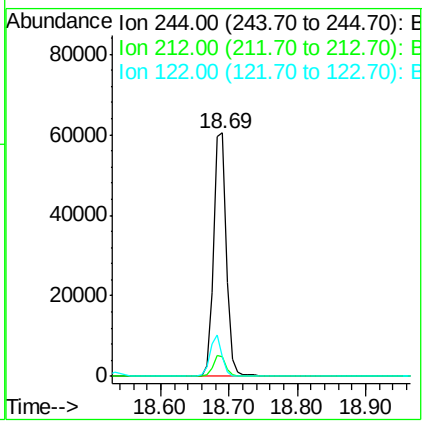
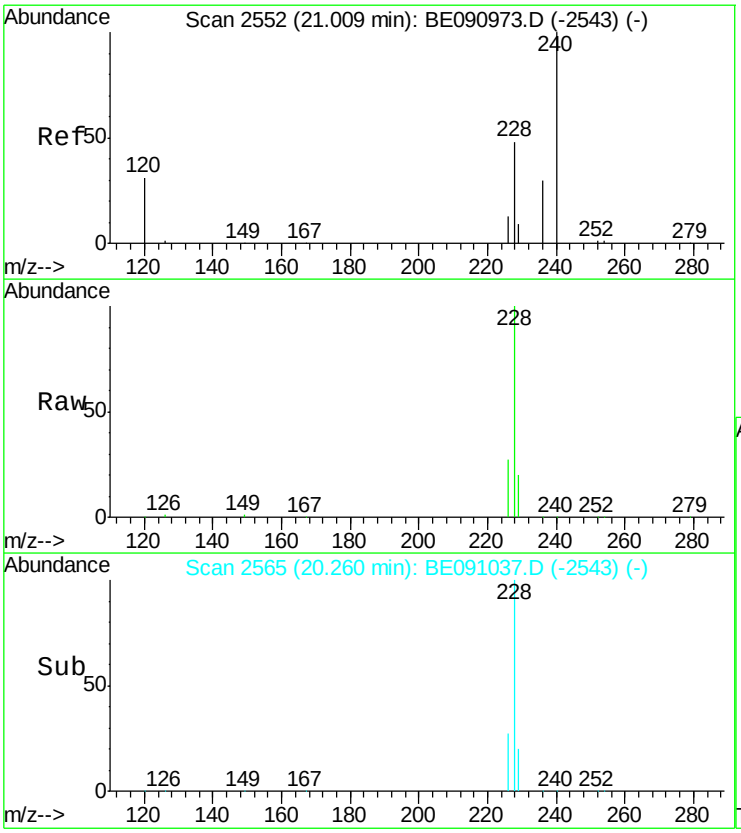
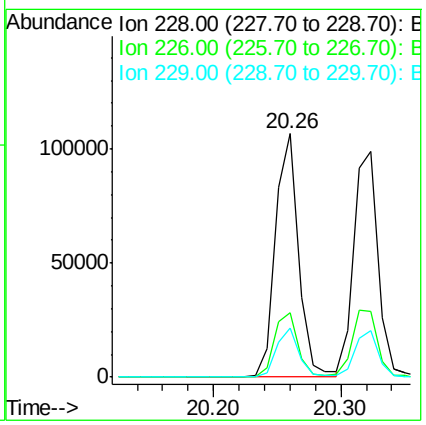


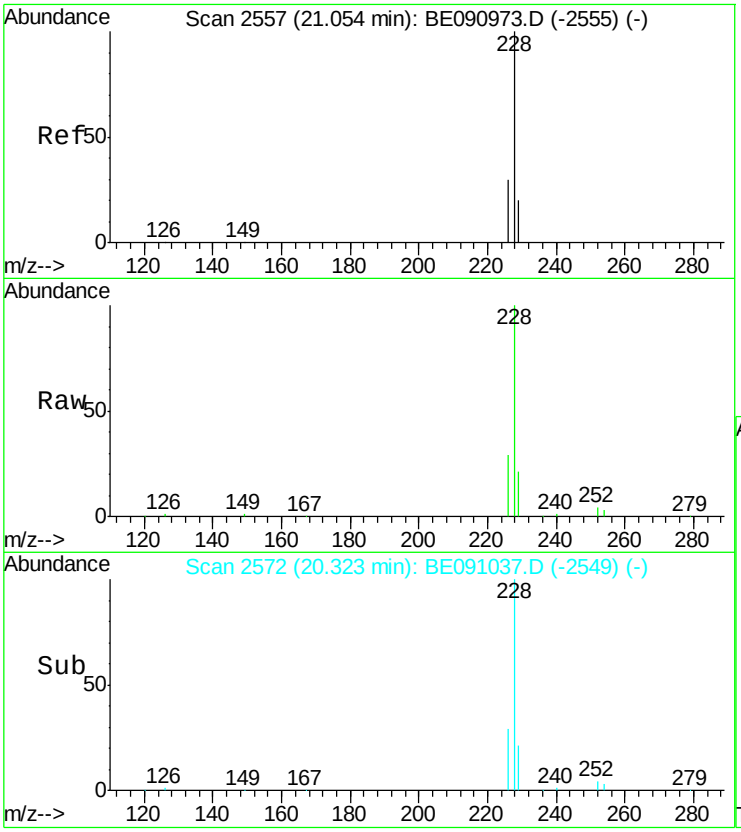


#30
Benzo(a)anthracene
Concen: 3.89 ng
RT: 20.26 min Scan# 2565
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:228 Resp: 133759

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.4
229	19.9	15.7	23.5

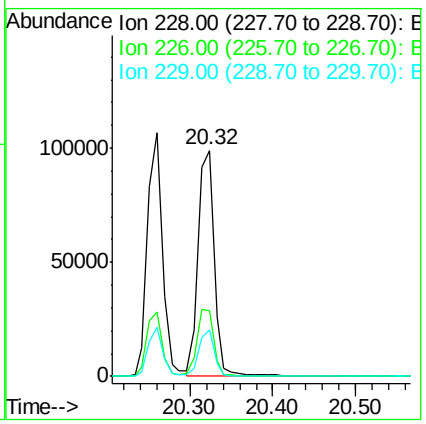




#32
Chrysene
Concen: 3.65 ng
RT: 20.32 min Scan# 2572
Delta R.T. 0.01 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:228 Resp: 132728

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.0	36.0
229	20.6	15.9	23.9



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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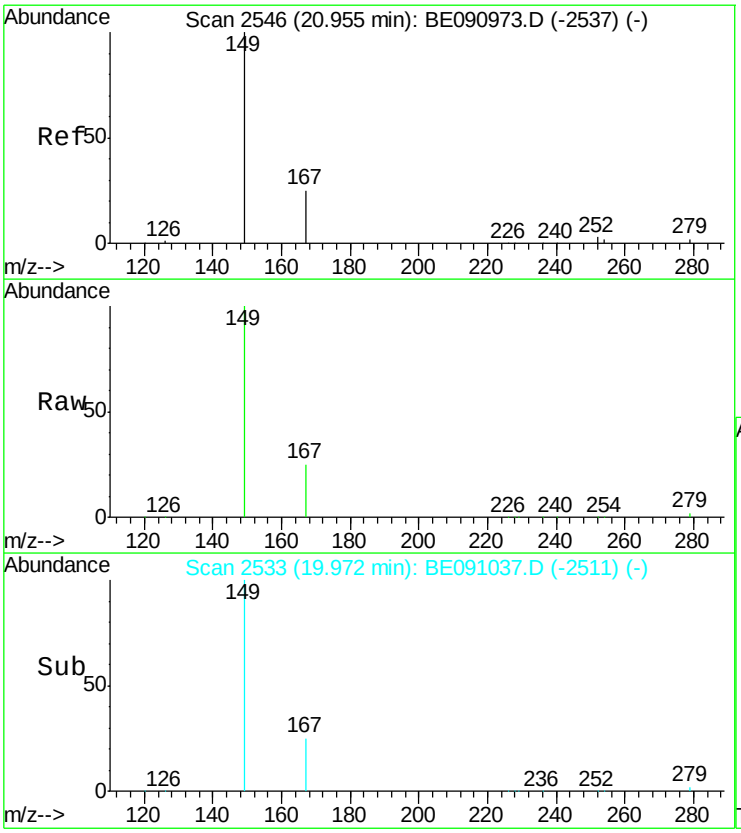
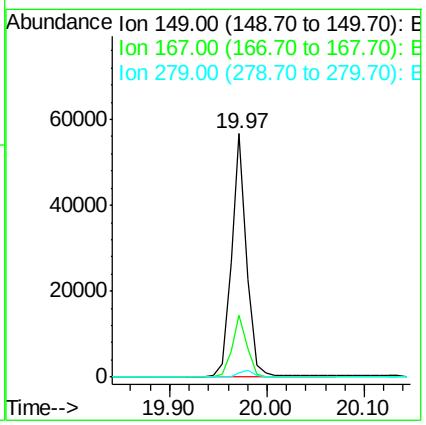
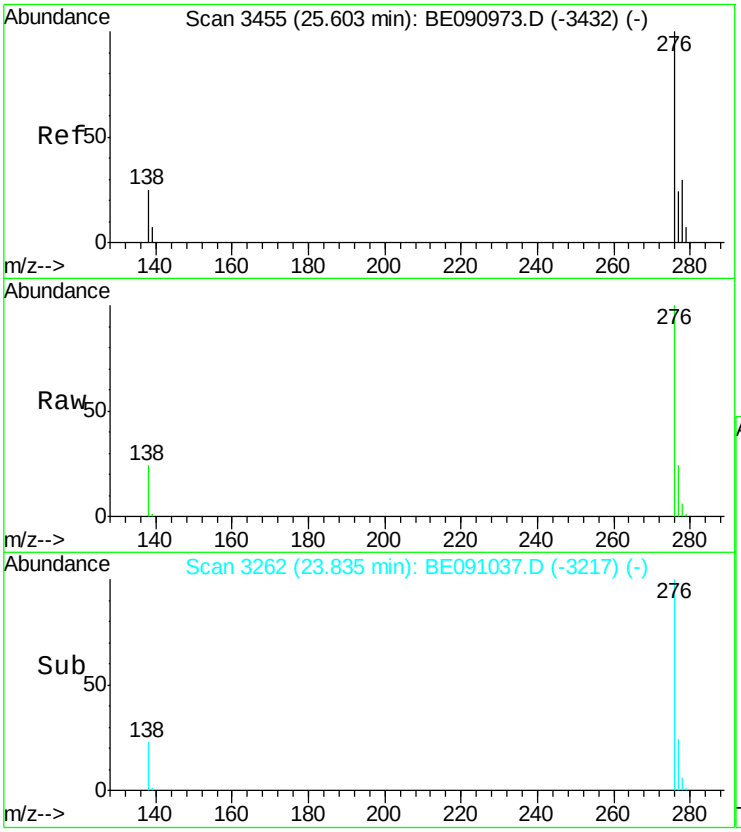


#33
Bis(2-ethylhexyl)phthalate
Concen: 4.17 ng
RT: 19.97 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:149 Resp: 61064

Ion	Ratio	Lower	Upper
149	100		
167	25.2	19.5	29.3
279	2.7	2.3	3.5





#34
Indeno(1,2,3-cd)pyrene
Concen: 3.60 ng
RT: 23.83 min Scan# 3262
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:276 Resp: 138323

Ion	Ratio	Lower	Upper
276	100		
138	22.6	23.4	35.2#
277	23.5	19.8	29.8

Instrument :
BNA_E
ClientSampleId :
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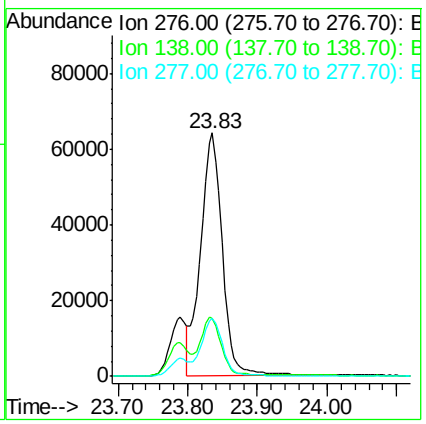
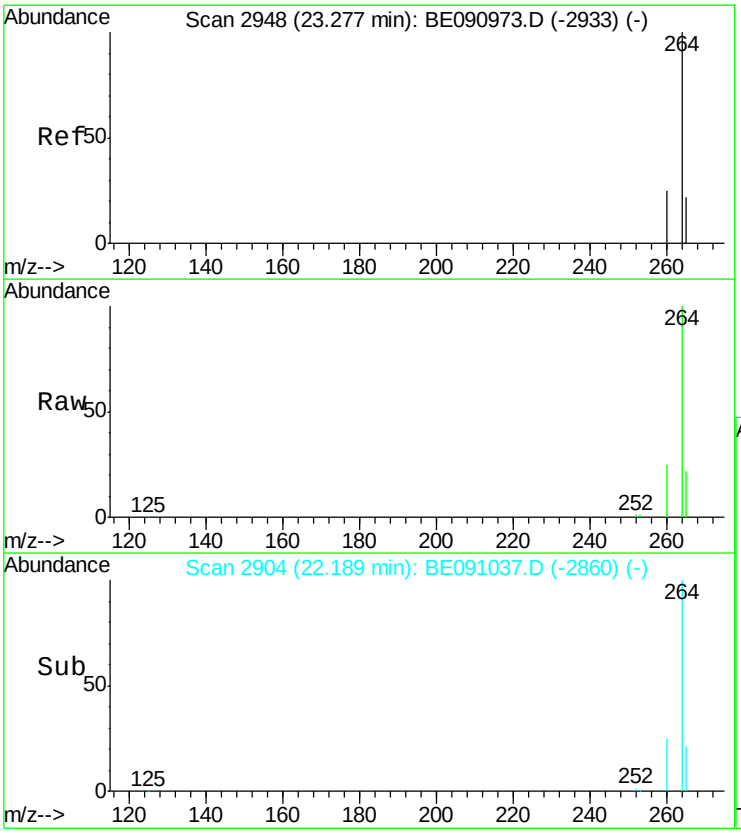
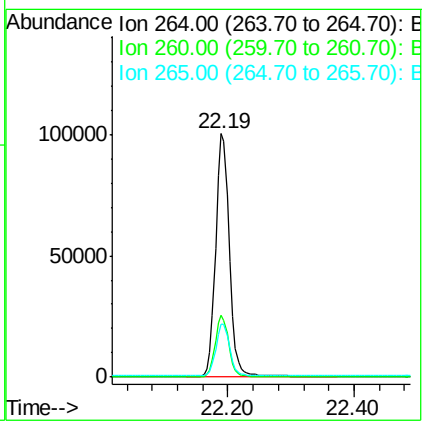


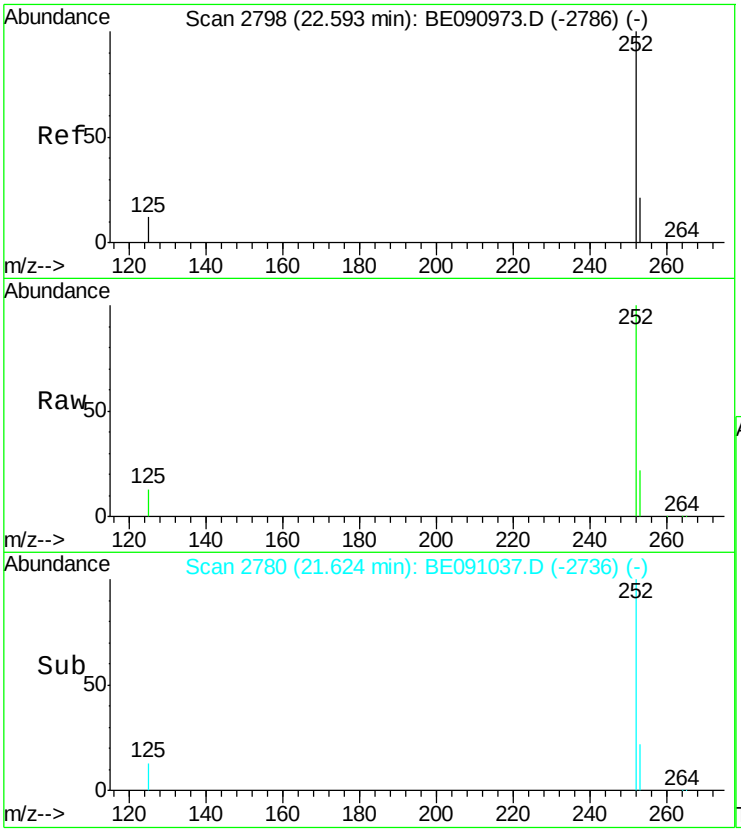


#35
Perylene-d12
Concen: 5.00 ng
RT: 22.19 min Scan# 2904
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:264 Resp: 152962

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.0	30.0
265	22.0	17.5	26.3





#36
Benzo(b)fluoranthene
Concen: 4.35 ng
RT: 21.62 min Scan# 2780
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:252 Resp: 146586

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.0
125	12.7	10.2	15.2

Instrument :
BNA_E
ClientSampleId :
PB86253BS

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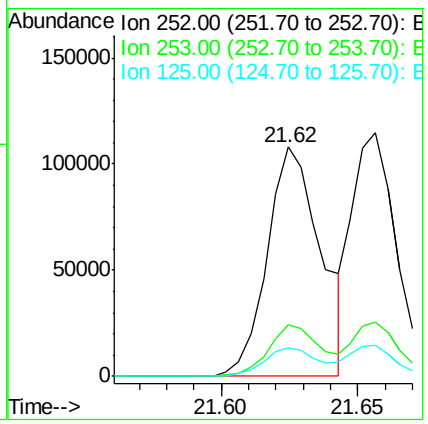
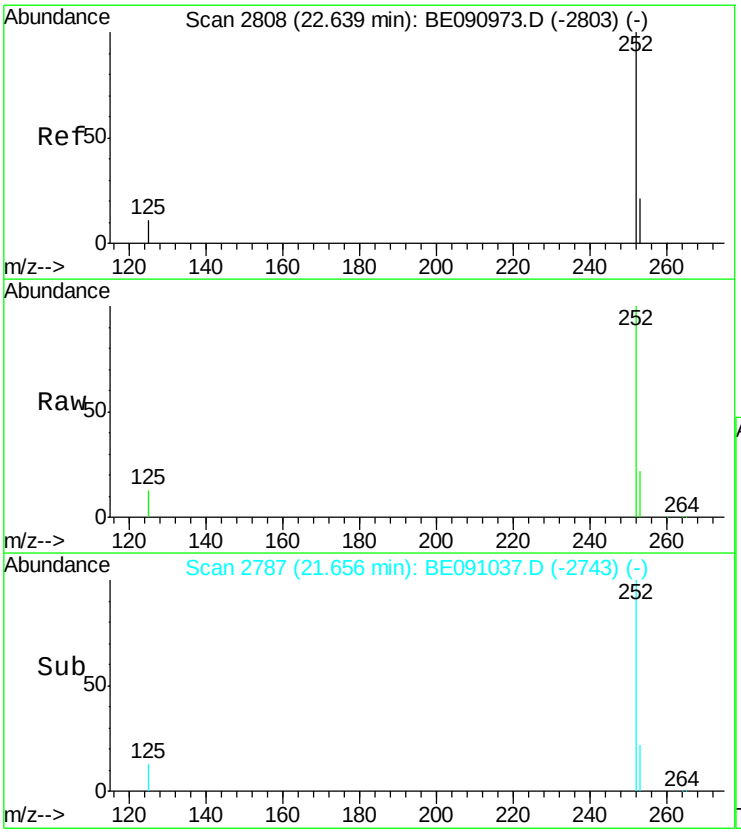
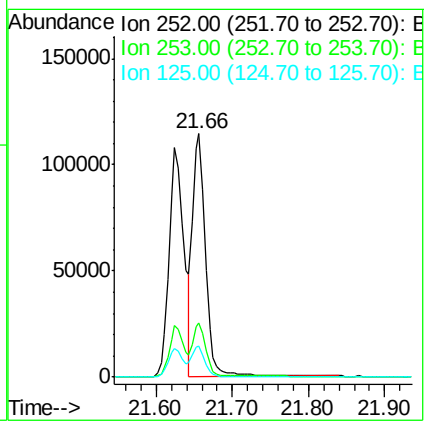


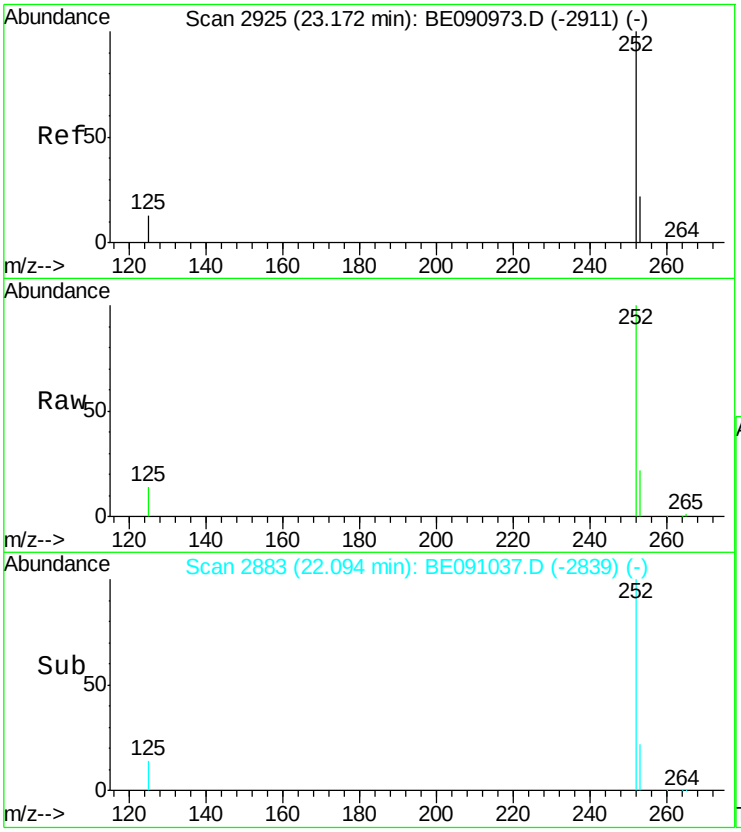


#37
Benzo(k)fluoranthene
Concen: 3.26 ng
RT: 21.66 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:252 Resp: 133989

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.8	9.9	14.9

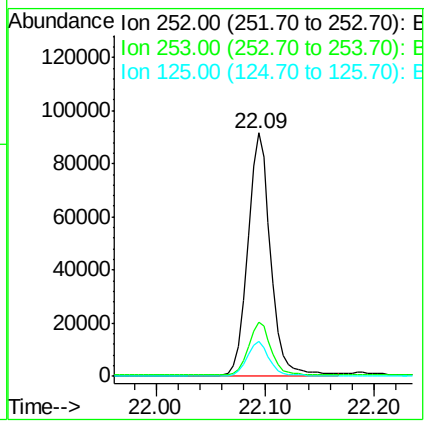




#38
Benzo(a)pyrene
Concen: 4.22 ng
RT: 22.09 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:252 Resp: 131827

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.2	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
PB86253BS

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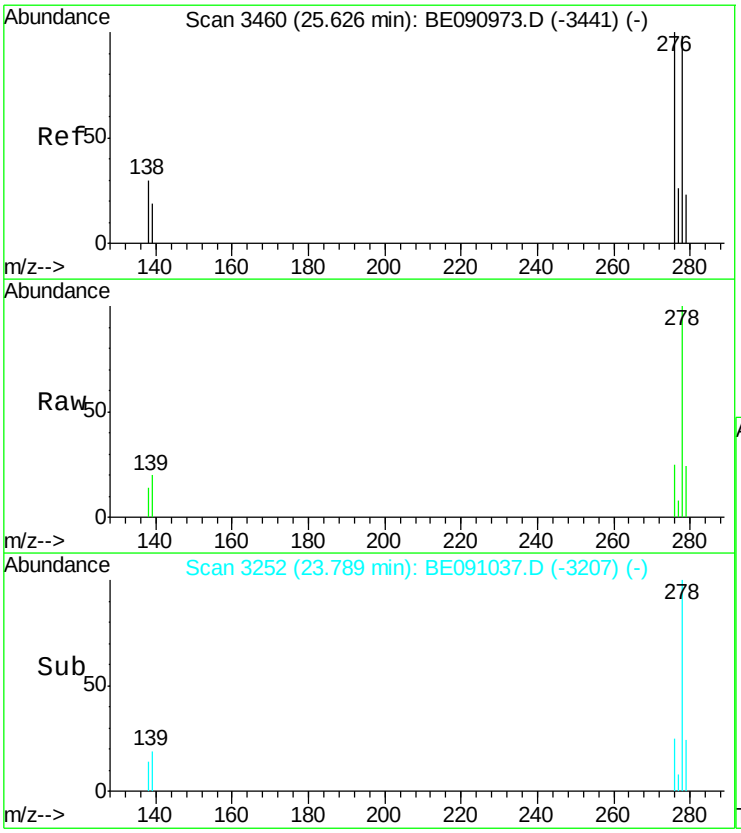
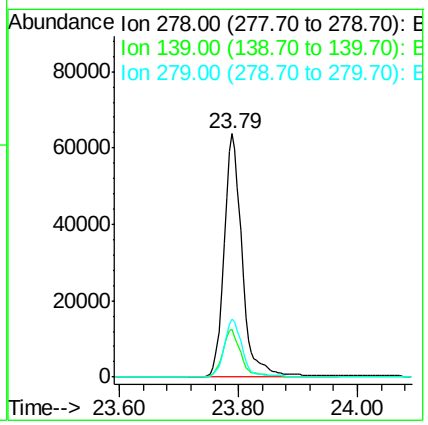
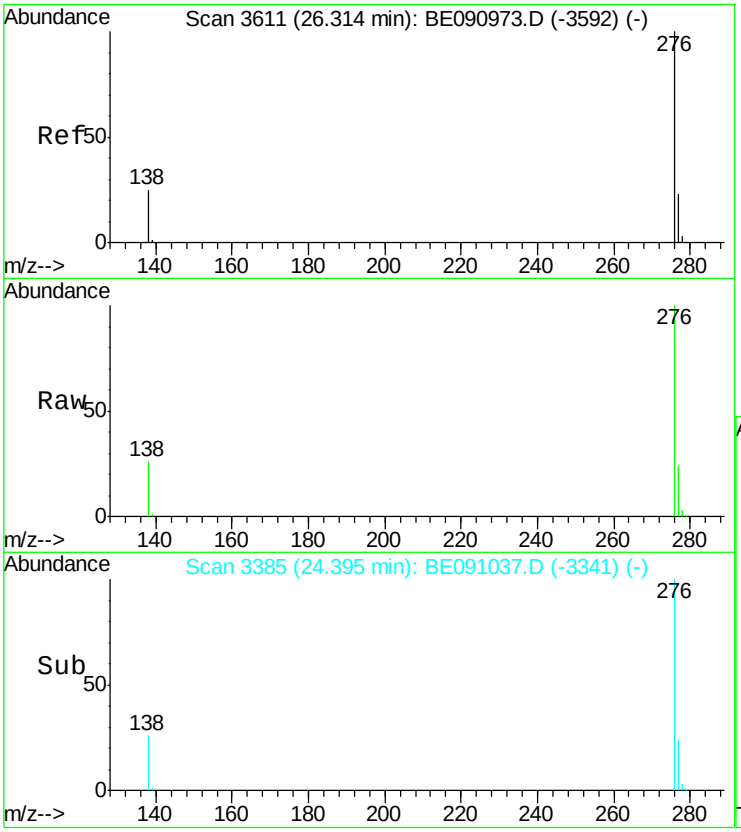


#39
Dibenzo(a,h)anthracene
Concen: 4.37 ng
RT: 23.79 min Scan# 3252
Delta R.T. 0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:278 Resp: 134865

Ion	Ratio	Lower	Upper
278	100		
139	19.5	16.0	24.0
279	24.1	19.4	29.2

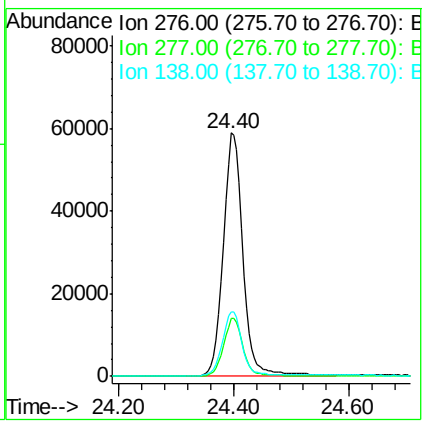




#40
Benzo(g,h,i)perylene
Concen: 4.23 ng
RT: 24.40 min Scan# 3385
Delta R.T. -0.00 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:276 Resp: 141752

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	26.5	20.4	30.6



Instrument :
BNA_E
ClientSampleId :
PB86253BS

Manual Integrations APPROVED
MmDadoda
10/26/2015 7:17:46 PM