Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE030617\
Data File : BE092792.D
Acq On : 6 Mar 2017 18:17
Operator : SJ/MA
Sample : PB97289BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB97289BS

Manual Integrations APPROVED
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Quant Time: Mar 07 02:31:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE030617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 06 15:46:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	11675	5.00	ng		-0.02
7) Naphthalene-d8	10.87	136	47963	5.00	ng		-0.02
12) Acenaphthene-d10	14.75	164	24668	5.00	ng		-0.02
18) Phenanthrene-d10	17.51	188	47030	5.00	ng		0.00
24) Chrysene-d12	21.68	240	71981	5.00	ng		-0.02
31) Perylene-d12	24.01	264	55564	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.60	112	22056	8.93	ng		-0.03
5) Phenol-d6	7.27	99	27326	9.29	ng		-0.04
8) Nitrobenzene-d5	9.25	82	13163	4.49	ng		-0.07
13) 2,4,6-Tribromophenol	16.24	330	6584	10.14	ng		-0.04
14) 2-Fluorobiphenyl	13.36	172	28751	4.94	ng		-0.04
26) Terphenyl-d14	20.12	244	35009	4.03	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	5289	3.81	ng	#	83
3) n-Nitrosodimethylamine	3.68	42	7700	3.93	ng		95
6) bis(2-Chloroethyl)ether	7.52	93	11352	3.54	ng	#	26
9) Naphthalene	10.91	128	39776	3.88	ng	#	95
10) Hexachlorobutadiene	11.20	225	6021	4.07	ng		99
11) 2-Methylnaphthalene	12.54	142	25544	3.85	ng		98
15) Acenaphthylene	14.46	152	159332	4.20	ng		100
16) Acenaphthene	14.80	154	24266	4.57	ng		93
17) Fluorene	15.79	166	31279	4.33	ng		99
19) Hexachlorobenzene	16.82	284	9311	4.84	ng	#	64
20) Pentachlorophenol	17.16	266	7153	10.24	ng	#	87
21) Phenanthrene	17.53	178	52184	4.63	ng	#	94
22) Anthracene	17.62	178	50255	4.42	ng		99
23) Fluoranthene	19.54	202	226963	4.13	ng		99
25) Pyrene	19.90	202	239663	3.68	ng		99
27) Benzo(a)anthracene	21.66	228	263500m	3.54	ng		
28) Chrysene	21.70	228	253116m	3.83	ng		
29) Bis(2-ethylhexyl)phthalate	21.57	149	20754	3.28	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.45	276	311047	4.35	ng		97
32) Benzo(b)fluoranthene	23.28	252	69628	4.71	ng		95
33) Benzo(k)fluoranthene	23.34	252	60220	4.05	ng		95
34) Benzo(a)pyrene	23.89	252	59704	4.44	ng		94
35) Dibenzo(a,h)anthracene	26.46	278	65319	5.08	ng		96
36) Benzo(g,h,i)perylene	27.20	276	263572	4.79	ng		97

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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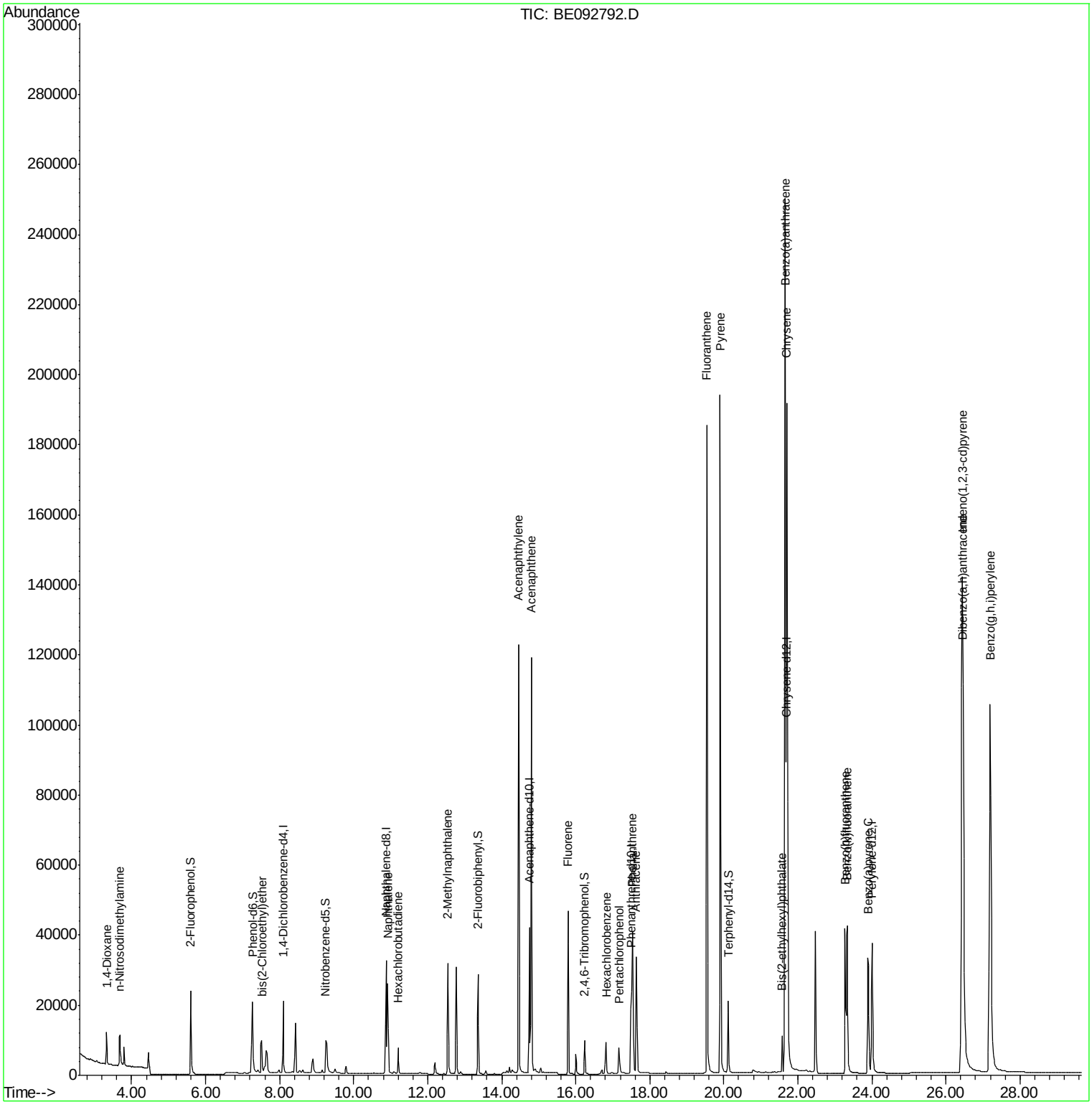
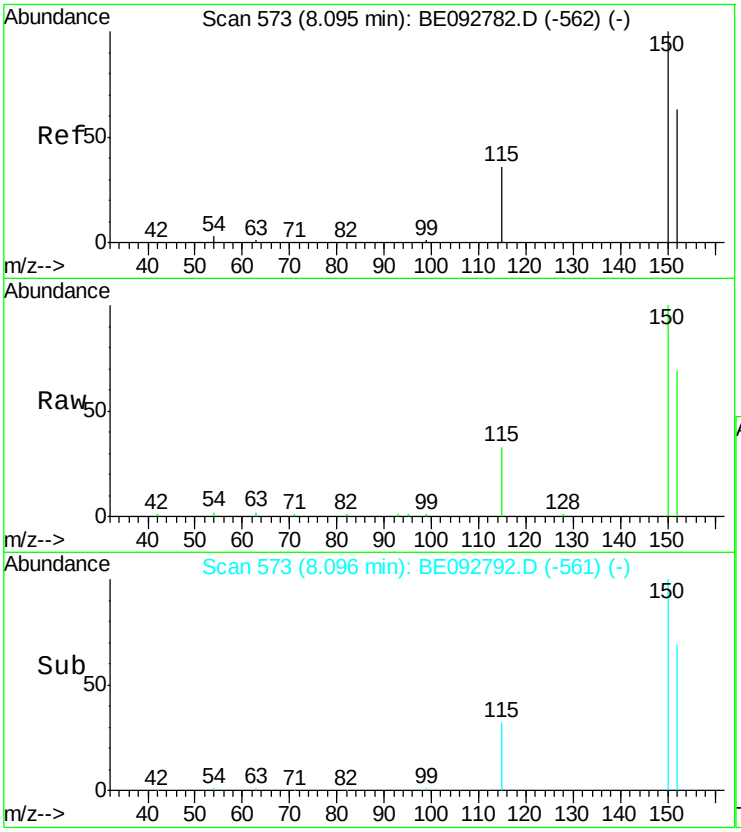
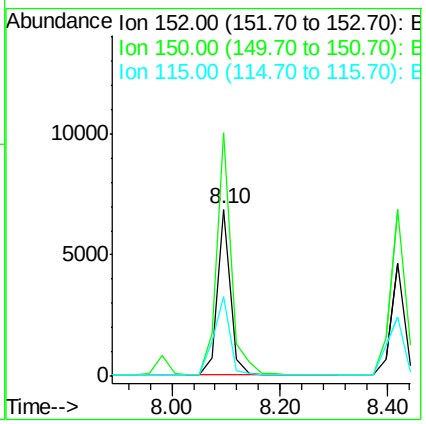




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.10 min Scan# 573
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:152 Resp: 11675

Ion	Ratio	Lower	Upper
152	100		
150	145.5	106.0	159.0
115	47.8	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
PB97289BS

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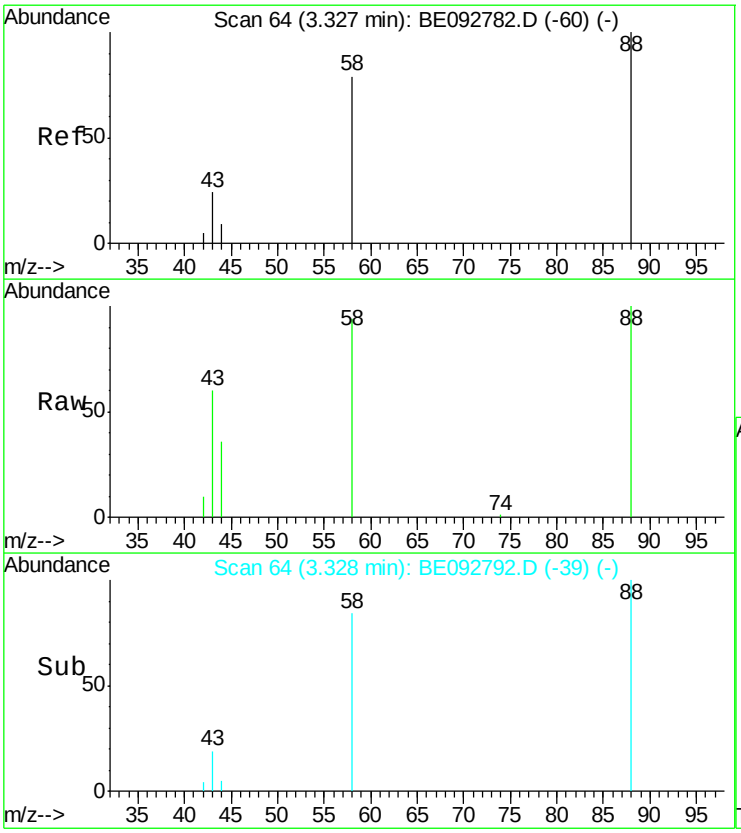
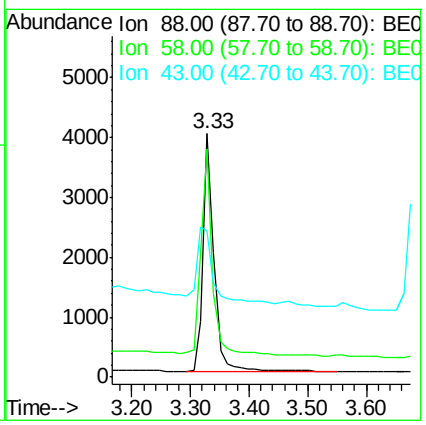
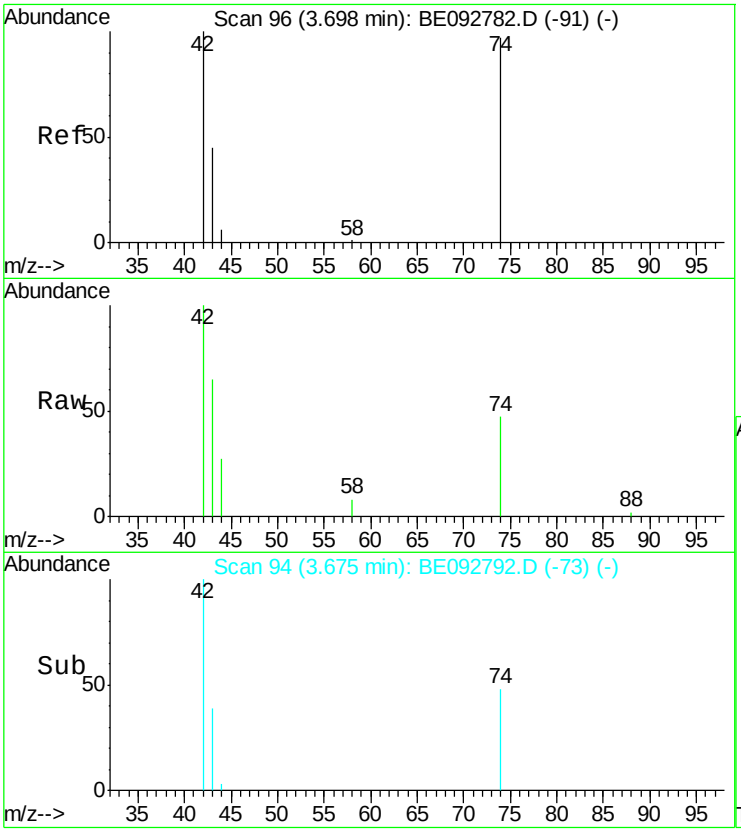


#2
1,4-Dioxane
Concen: 3.81 ng
RT: 3.33 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion: 88 Resp: 5289

Ion	Ratio	Lower	Upper
88	100		
58	93.8	63.6	95.4
43	45.7	28.0	42.0#

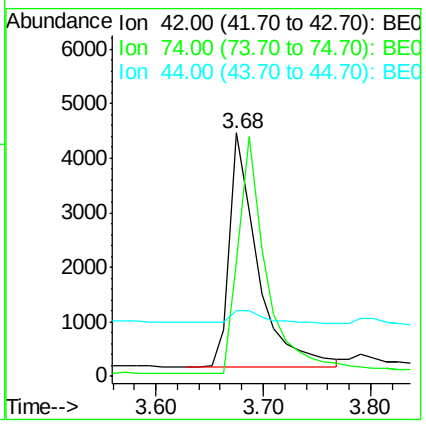




#3
n-Nitrosodimethylamine
Concen: 3.93 ng
RT: 3.68 min Scan# 94
Delta R.T. -0.06 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion: 42 Resp: 7700

Ion	Ratio	Lower	Upper
42	100		
74	112.8	86.0	129.0
44	7.3	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
PB97289BS

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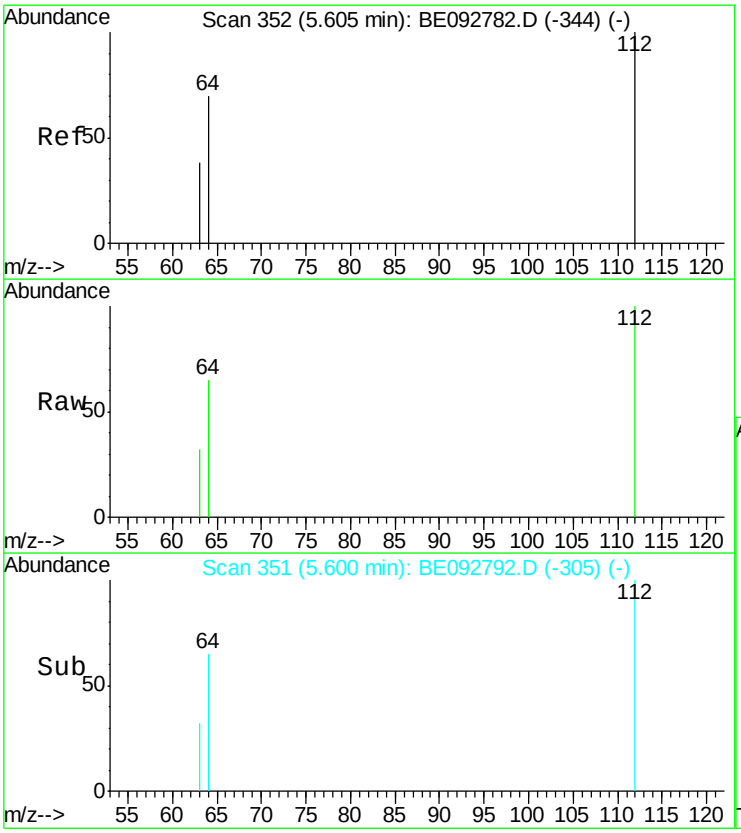
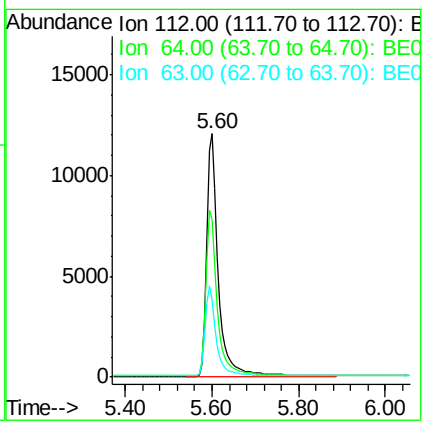
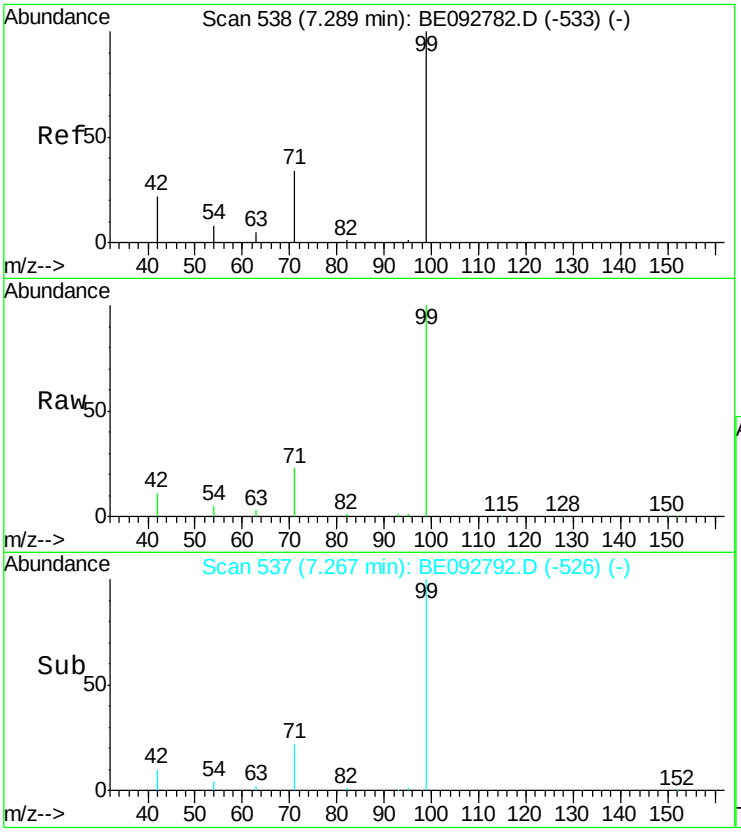


#4
2-Fluorophenol
Concen: 8.93 ng
RT: 5.60 min Scan# 351
Delta R.T. -0.03 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:112 Resp: 22056

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.5	80.3
63	36.4	27.9	41.9





#5
Phenol-d6
Concen: 9.29 ng
RT: 7.27 min Scan# 537
Delta R.T. -0.04 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion: 99 Resp: 27326

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	32.9	30.6	45.8

Instrument :
BNA_E
ClientSampleId :
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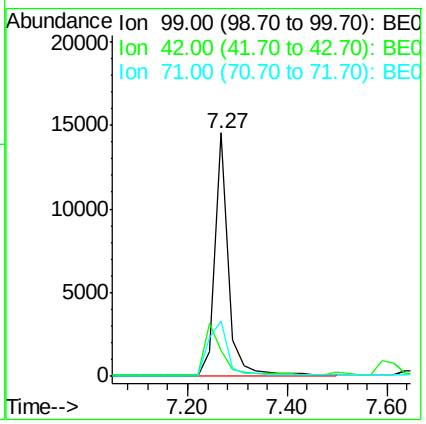
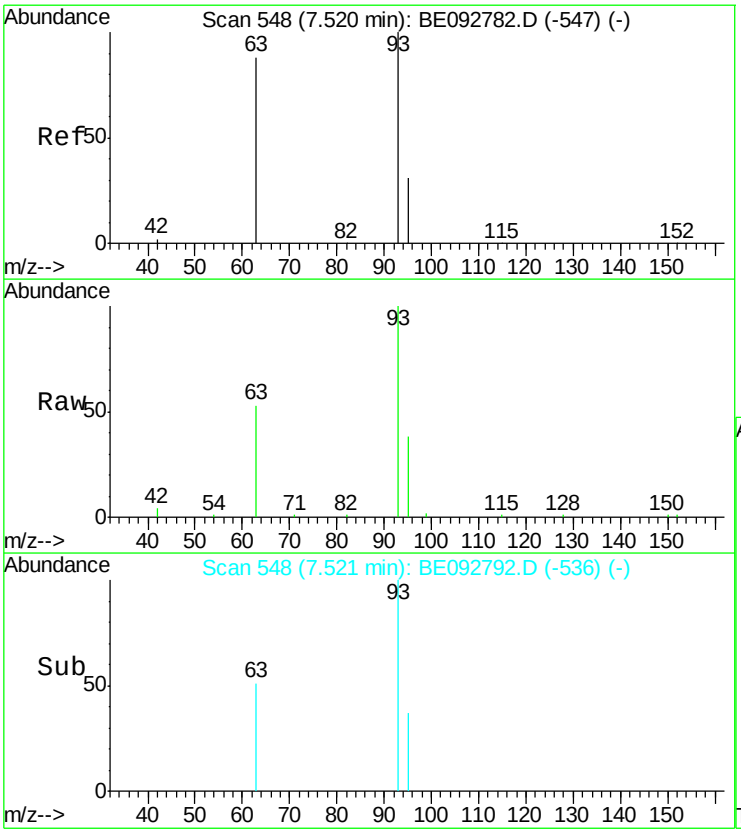
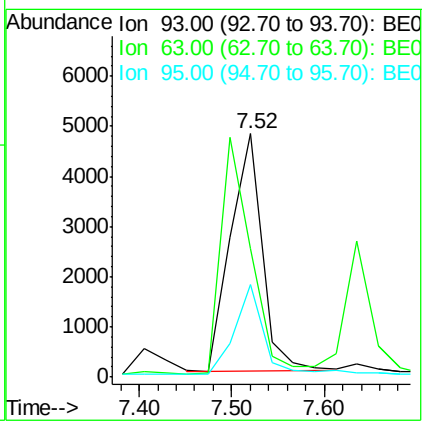


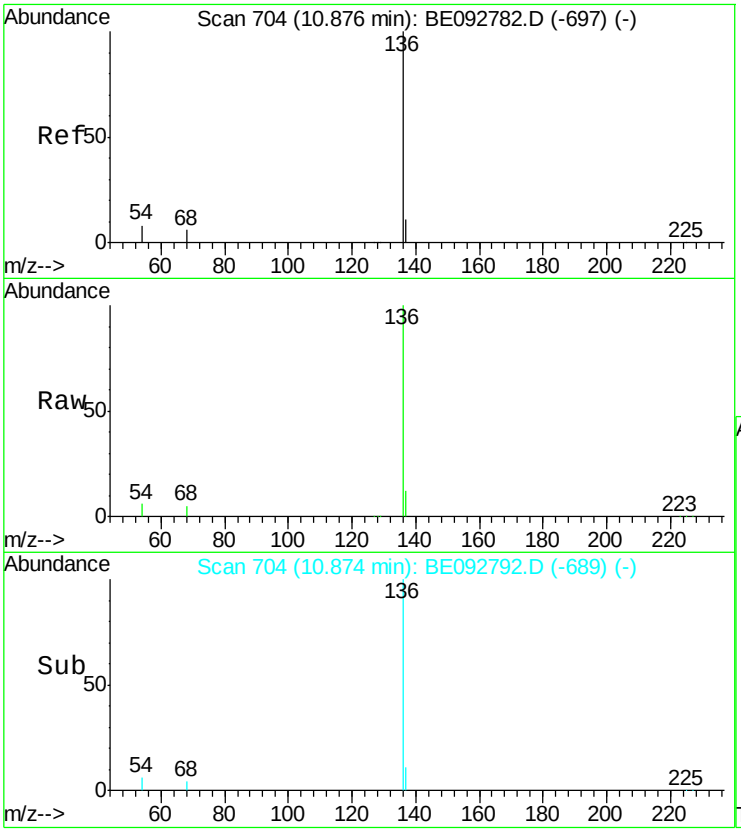


#6
bis(2-Chloroethyl)ether
Concen: 3.54 ng
RT: 7.52 min Scan# 548
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion: 93 Resp: 11352

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	35.5	24.0	36.0

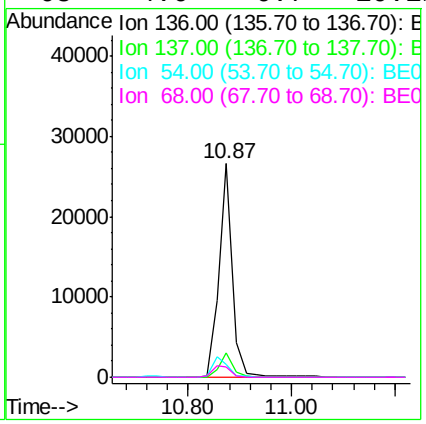




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.87 min Scan# 704
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:136 Resp: 47963

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	5.8	9.6	14.4#
68	4.6	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB97289BS

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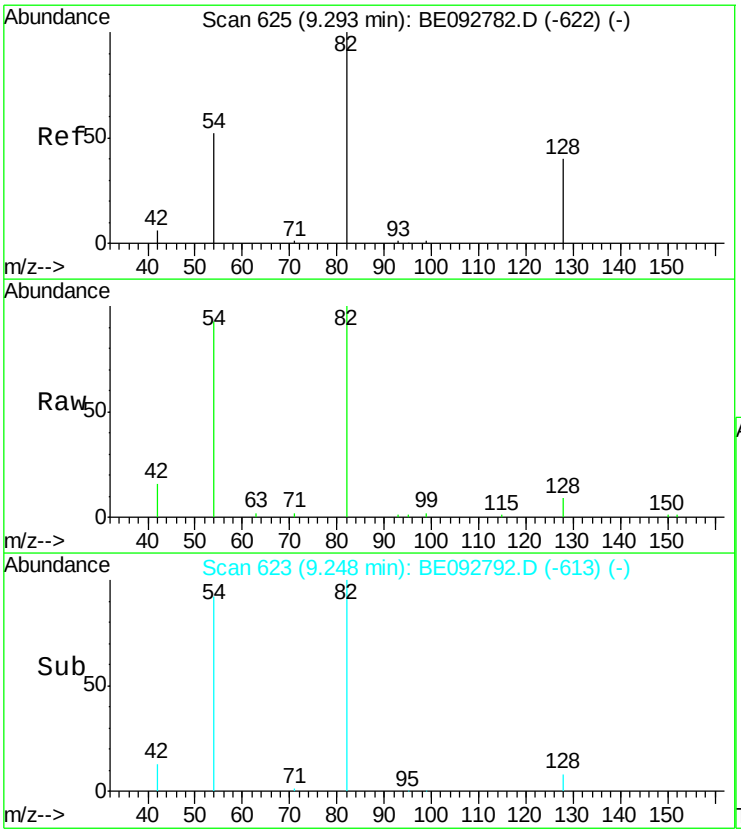
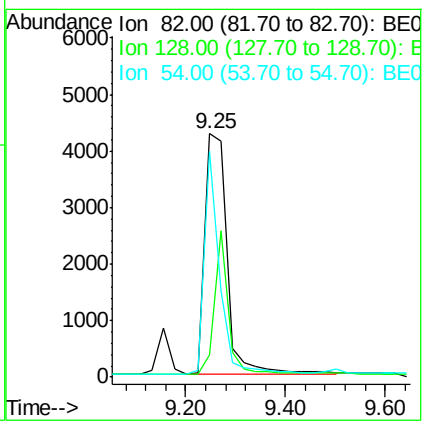
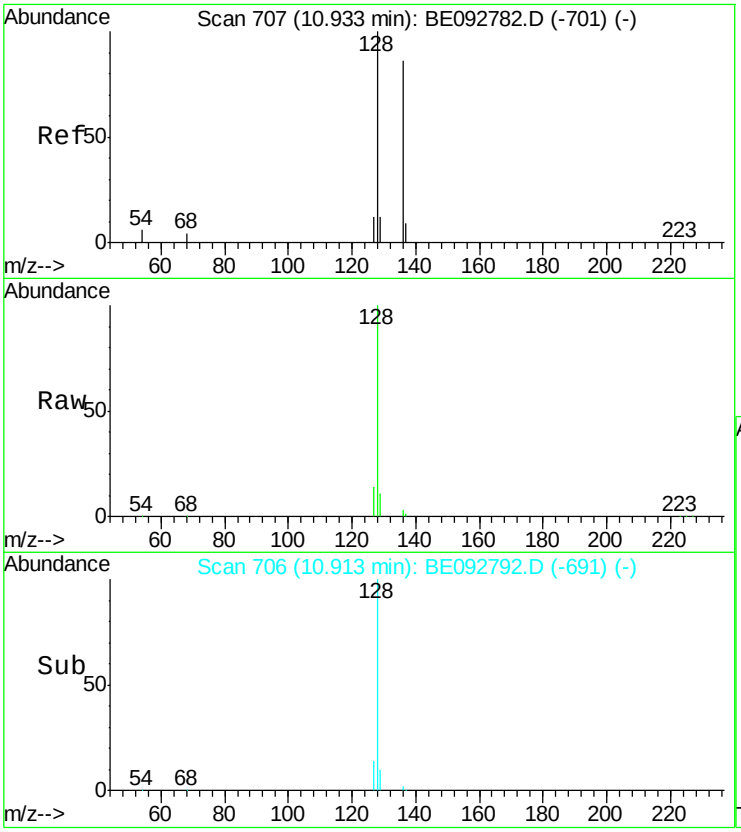


#8
Nitrobenzene-d5
Concen: 4.49 ng
RT: 9.25 min Scan# 623
Delta R.T. -0.07 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion: 82 Resp: 13163

Ion	Ratio	Lower	Upper
82	100		
128	9.1	39.0	58.4#
54	92.6	44.8	67.2#

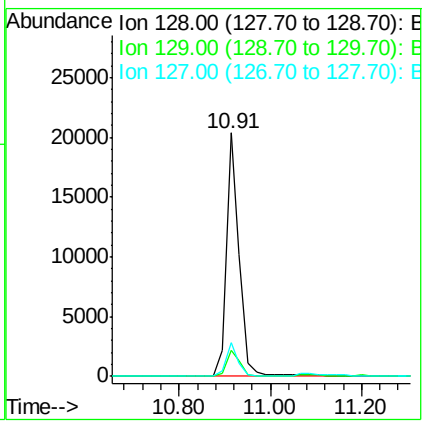




#9
Naphthalene
Concen: 3.88 ng
RT: 10.91 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:128 Resp: 39776

Ion	Ratio	Lower	Upper
128	100		
129	10.6	11.2	16.8#
127	13.9	11.6	17.4



Instrument :
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ClientSampleId :
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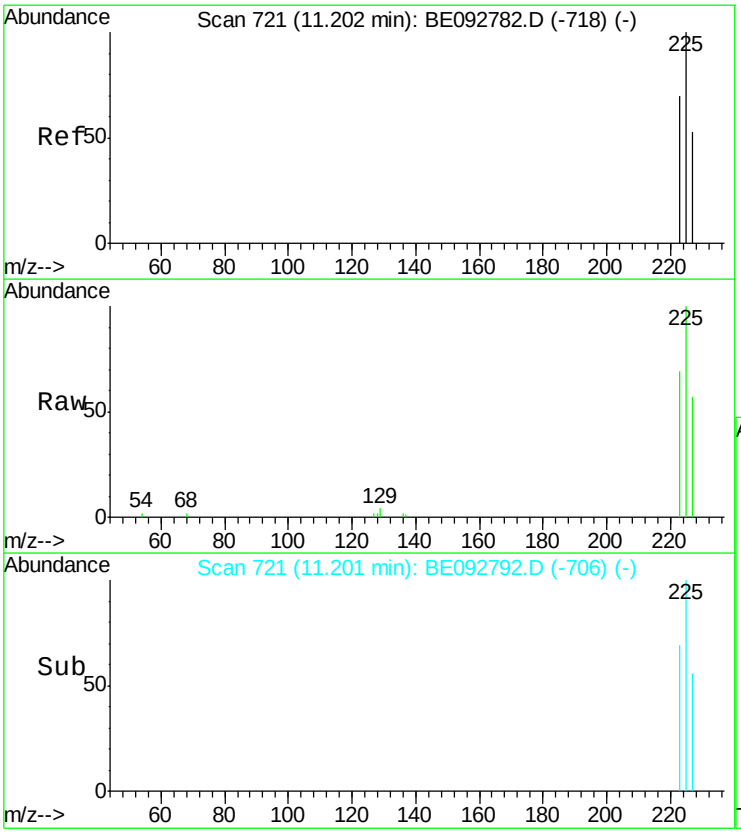
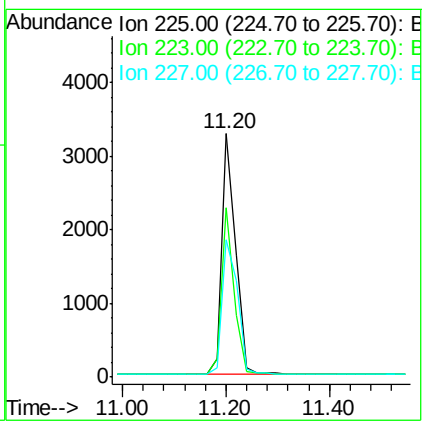
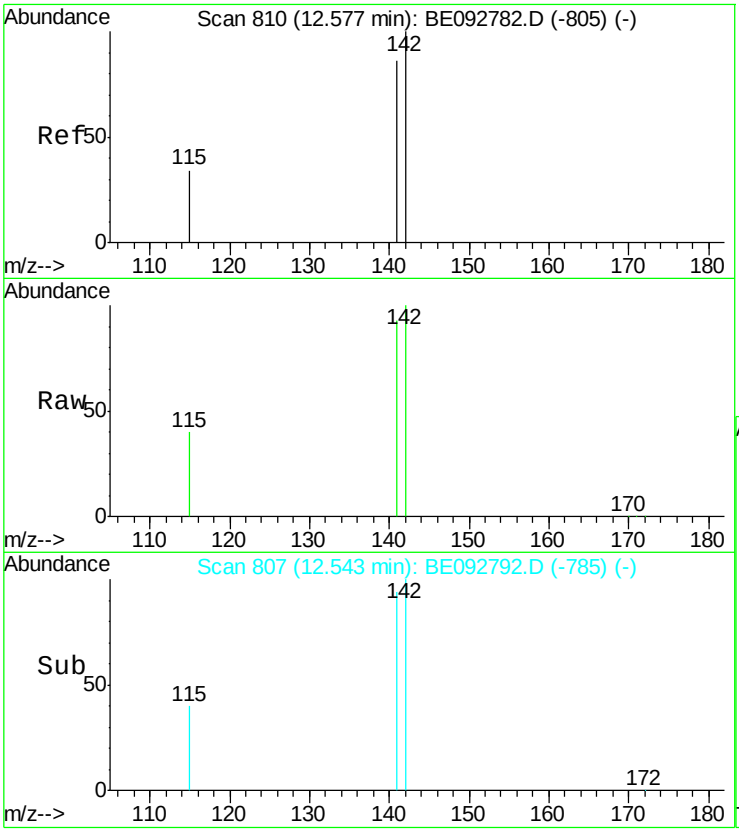


#10
Hexachlorobutadiene
Concen: 4.07 ng
RT: 11.20 min Scan# 721
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:225 Resp: 6021

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	76.0
227	62.9	51.4	77.0

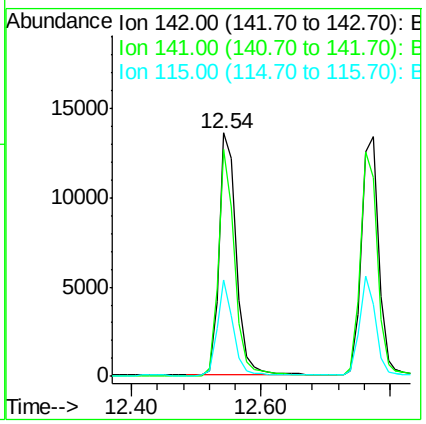




#11
2-Methylnaphthalene
Concen: 3.85 ng
RT: 12.54 min Scan# 807
Delta R.T. -0.05 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:142 Resp: 25544

Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.7	110.5
115	39.7	34.0	51.0



Instrument :
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ClientSampleId :
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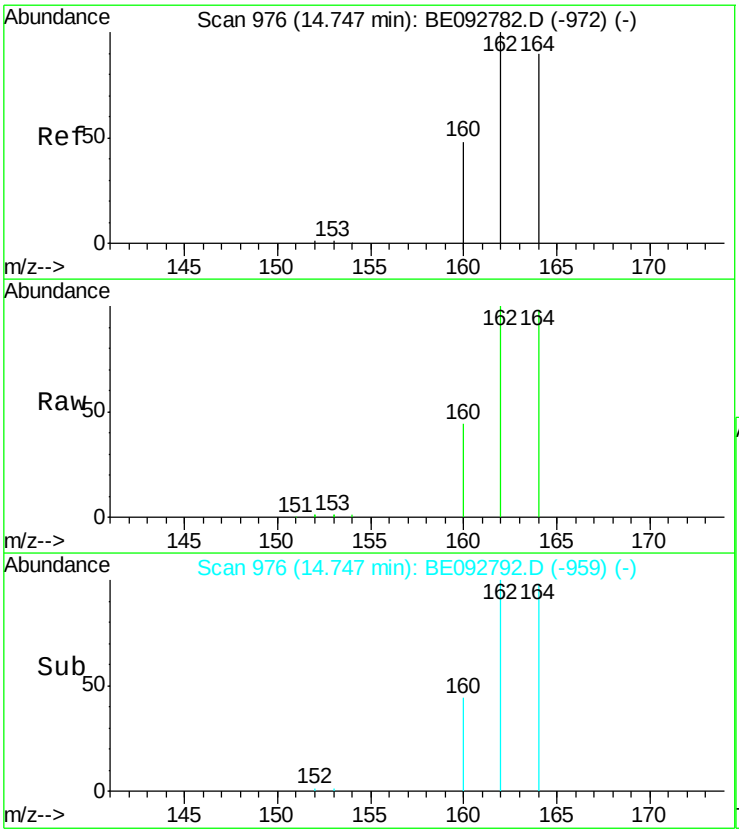
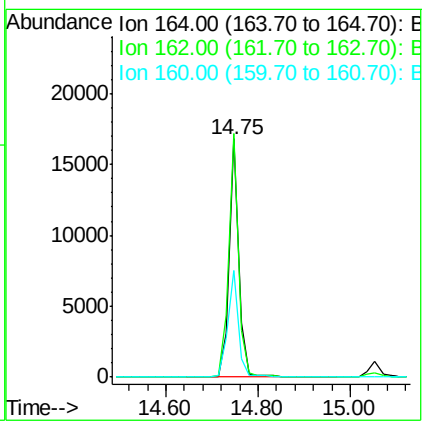
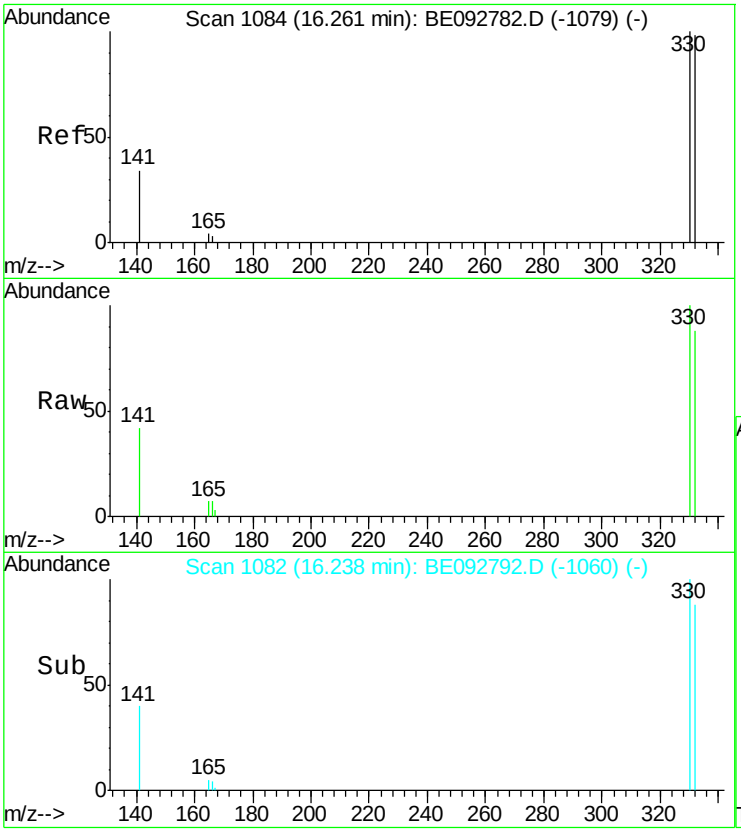


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.75 min Scan# 976
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:164 Resp: 24668

Ion	Ratio	Lower	Upper
164	100		
162	102.1	71.4	107.0
160	44.9	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 10.14 ng
RT: 16.24 min Scan# 1082
Delta R.T. -0.04 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:330 Resp: 6584

Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.4	113.0
141	43.4	31.0	46.6

Instrument :
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ClientSampleId :
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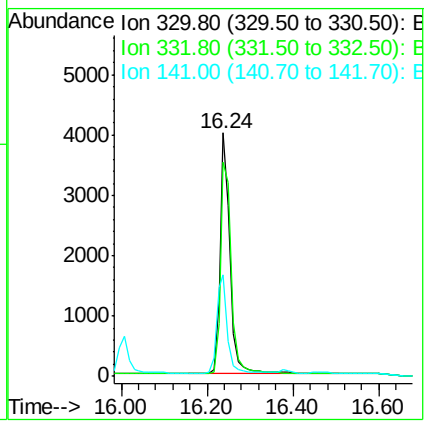
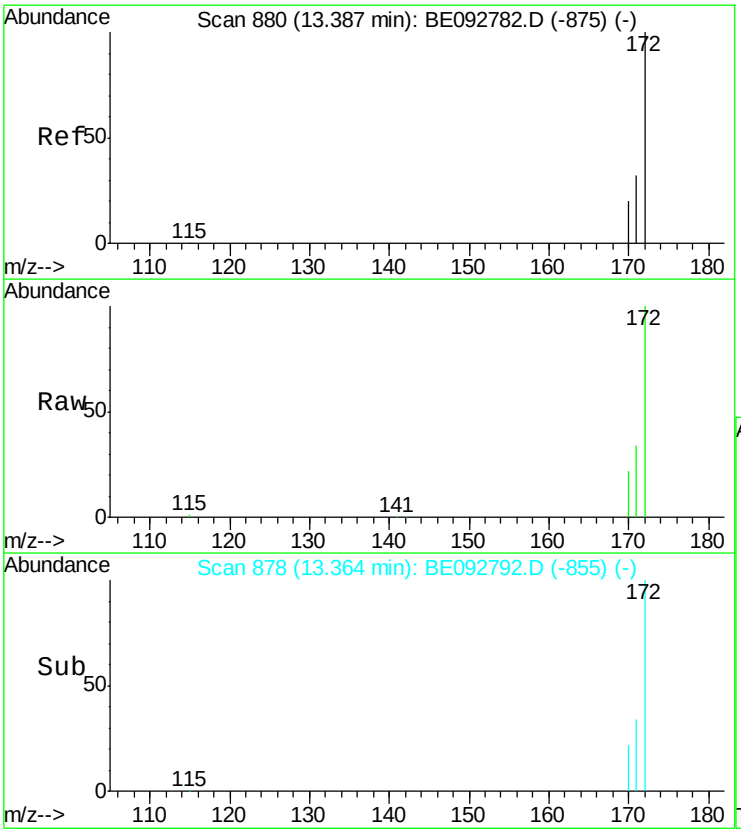
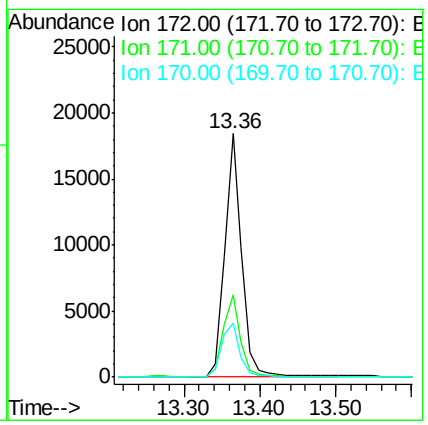


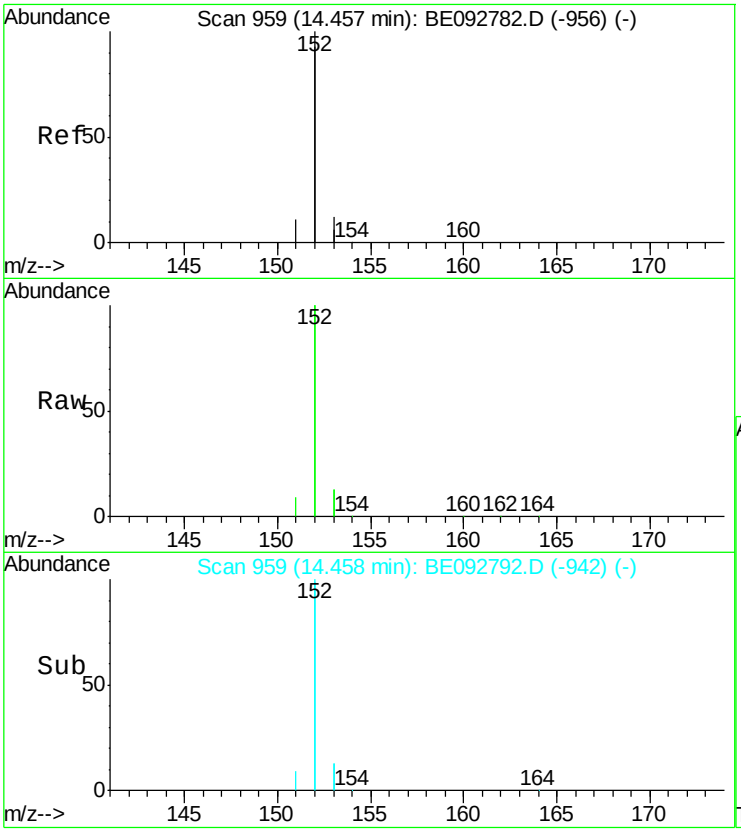


#14
2-Fluorobiphenyl
Concen: 4.94 ng
RT: 13.36 min Scan# 878
Delta R.T. -0.04 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:172 Resp: 28751

Ion	Ratio	Lower	Upper
172	100		
171	33.7	30.1	45.1
170	22.2	21.8	32.6

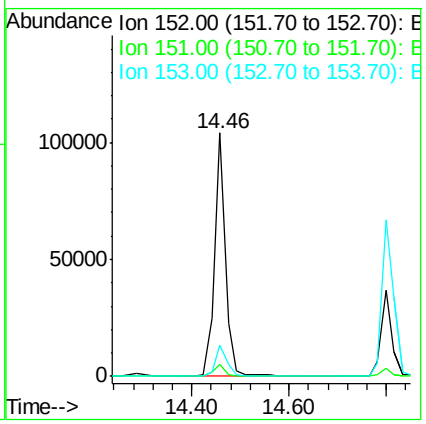




#15
Acenaphthylene
Concen: 4.20 ng
RT: 14.46 min Scan# 959
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:152 Resp: 159332

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
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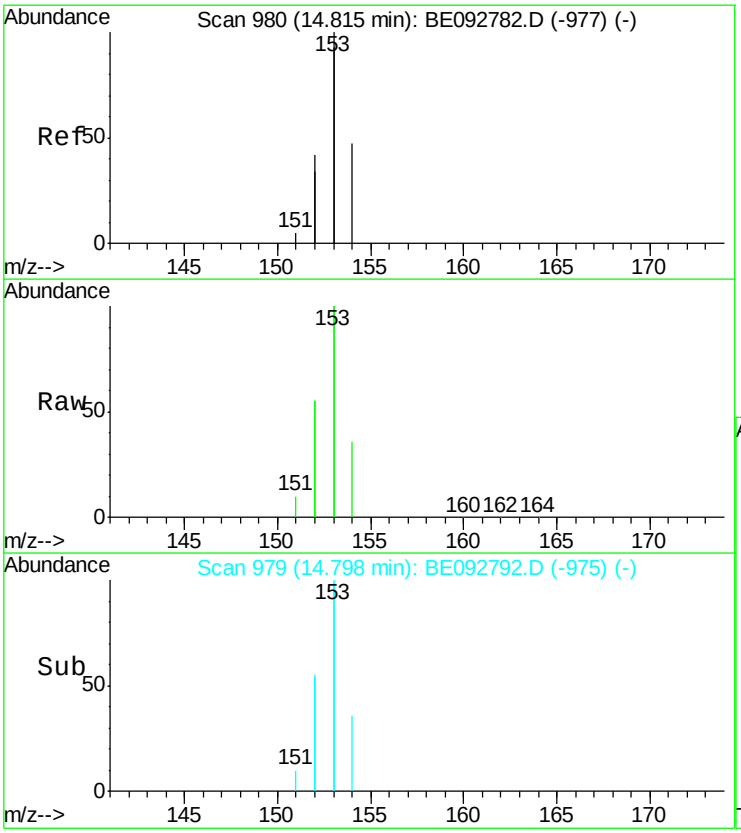
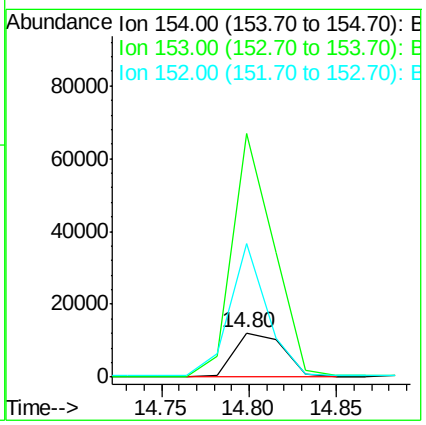
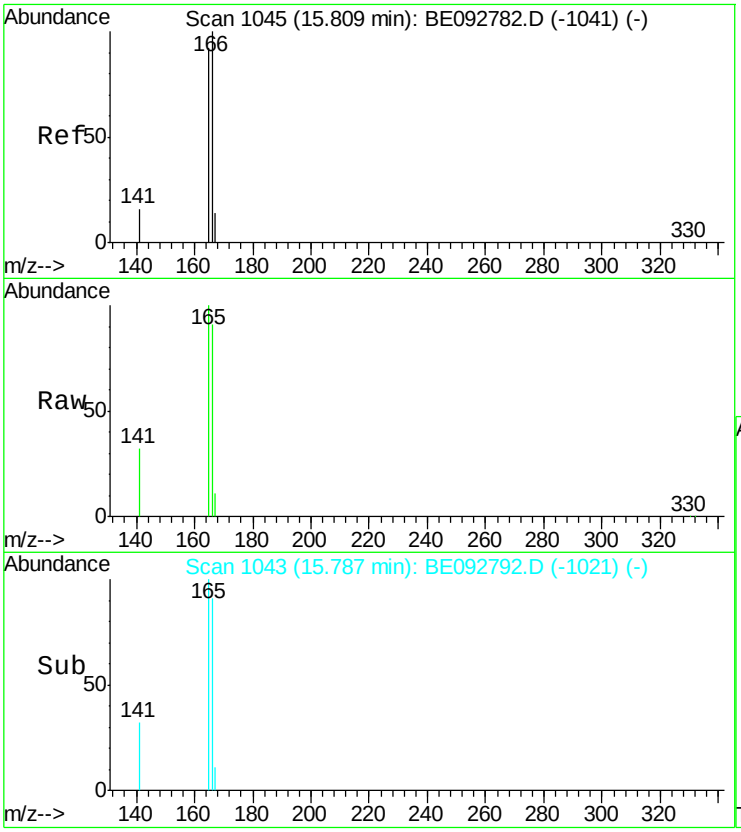


#16
Acenaphthene
Concen: 4.57 ng
RT: 14.80 min Scan# 979
Delta R.T. -0.03 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:154 Resp: 24266

Ion	Ratio	Lower	Upper
154	100		
153	455.8	350.8	526.2
152	225.4	171.1	256.7





#17
Fluorene
Concen: 4.33 ng
RT: 15.79 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:166 Resp: 31279

Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	13.3	11.0	16.4

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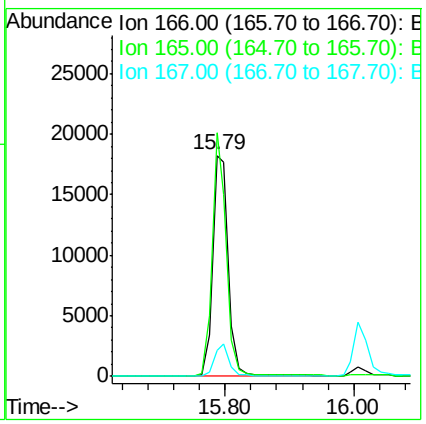
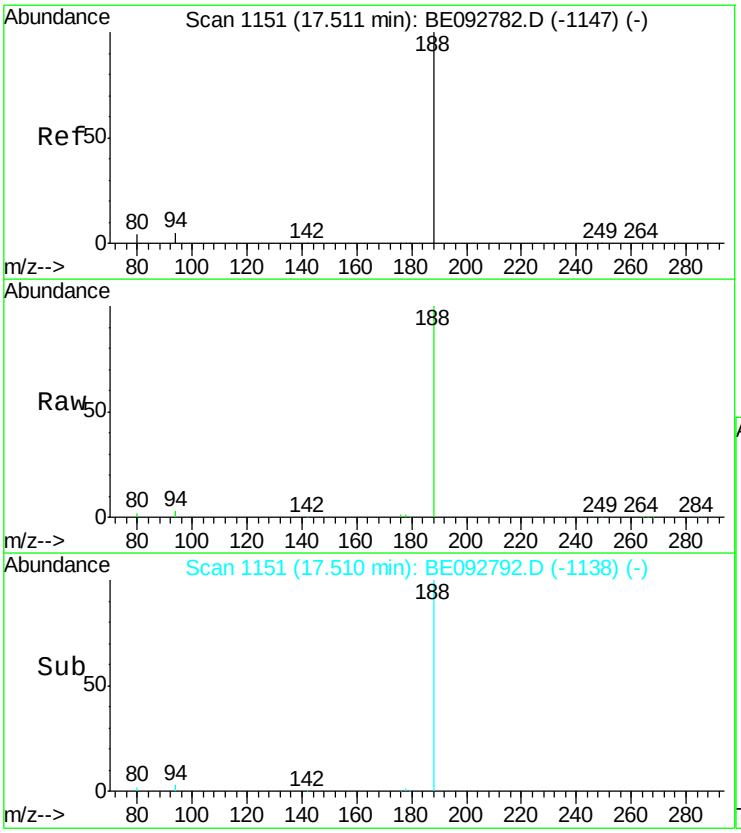
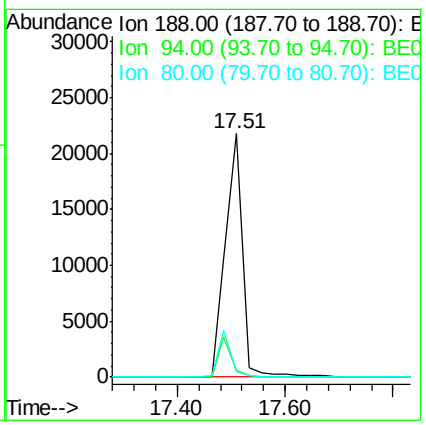


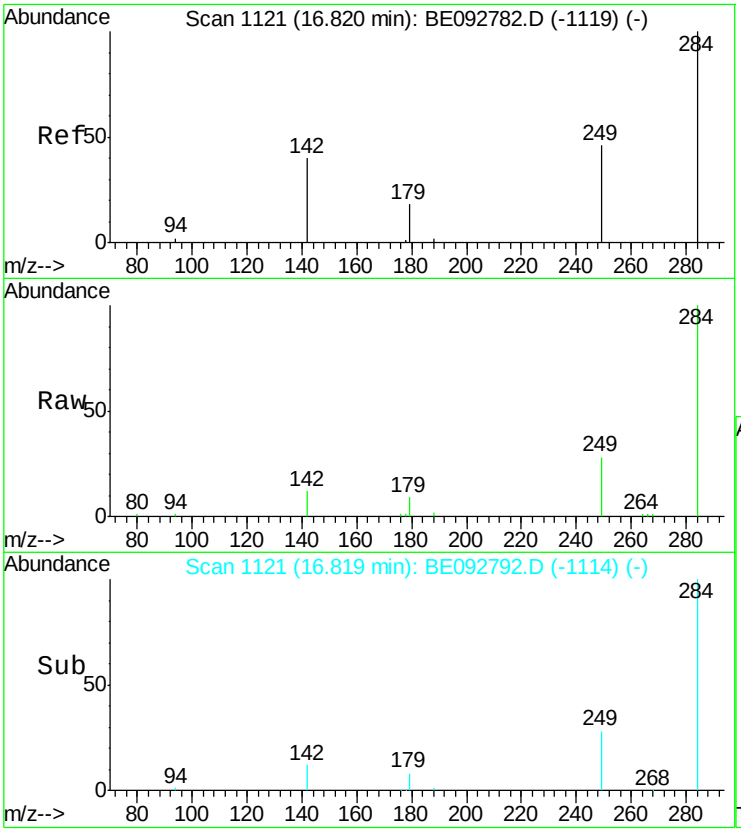


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:188 Resp: 47030

Ion	Ratio	Lower	Upper
188	100		
94	3.0	3.2	4.8#
80	2.5	2.6	3.8#

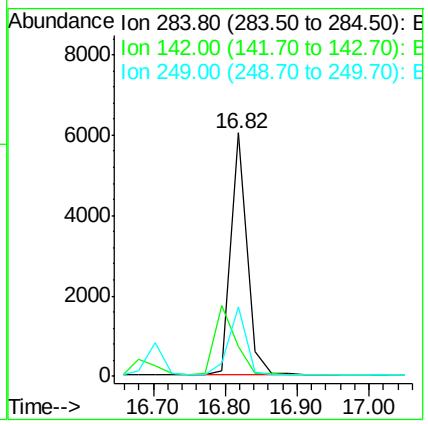




#19
Hexachlorobenzene
Concen: 4.84 ng
RT: 16.82 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:284 Resp: 9311

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.8	27.9	41.9



Instrument :
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ClientSampleId :
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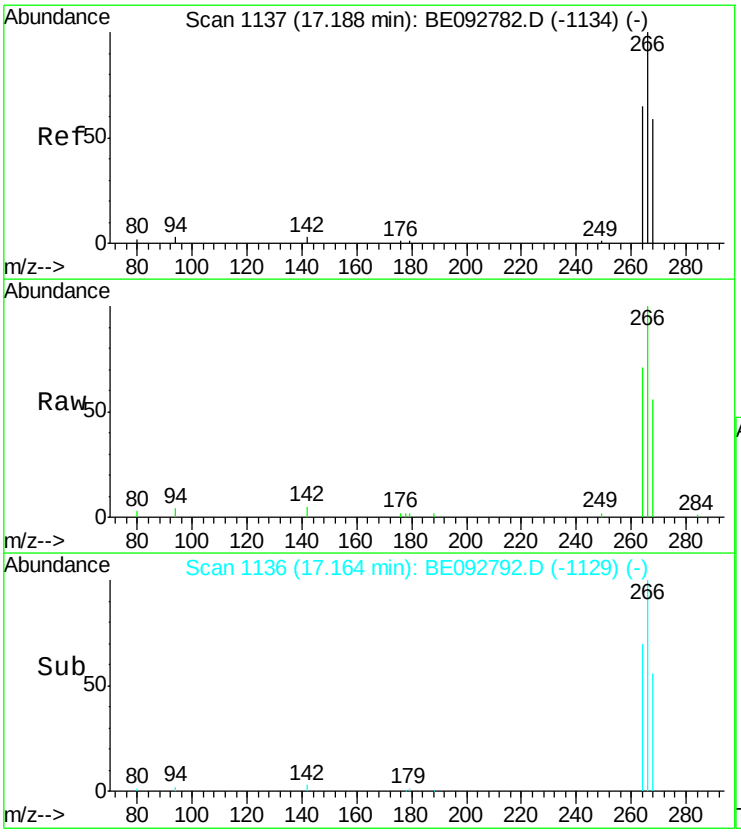
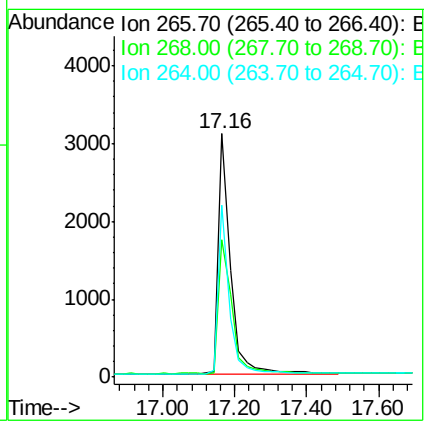
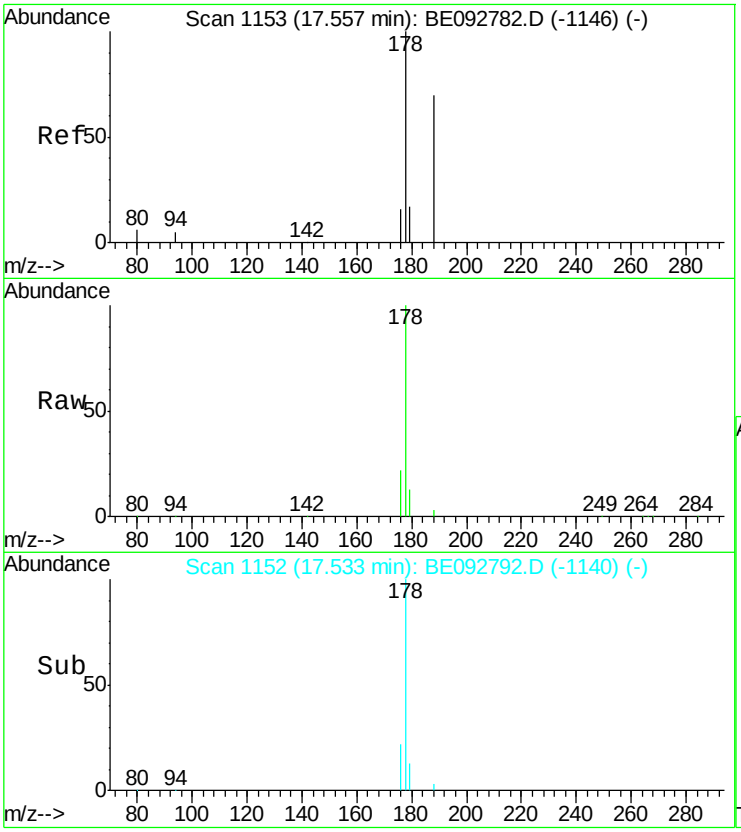


#20
Pentachlorophenol
Concen: 10.24 ng
RT: 17.16 min Scan# 1136
Delta R.T. -0.14 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:266 Resp: 7153

Ion	Ratio	Lower	Upper
266	100		
268	56.4	62.5	93.7#
264	70.8	57.2	85.8

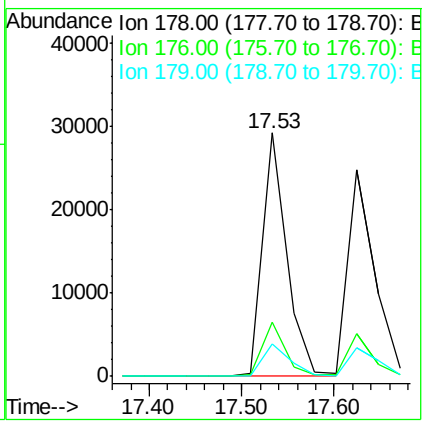




#21
Phenanthrene
Concen: 4.63 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:178 Resp: 52184

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	14.8	16.0	24.0#



Instrument :
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ClientSampleId :
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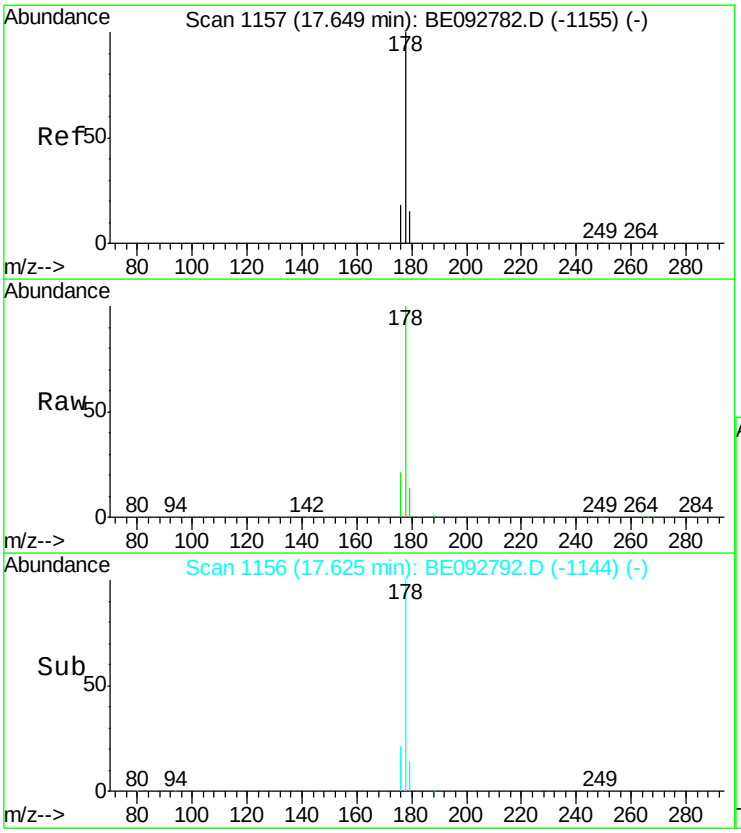
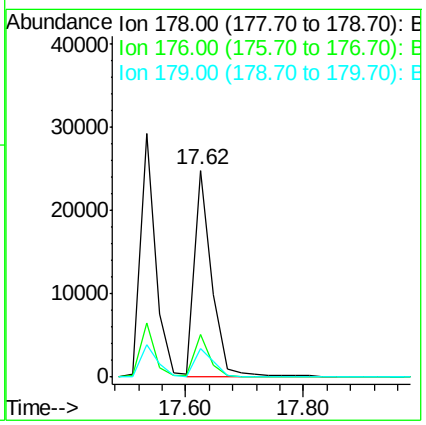
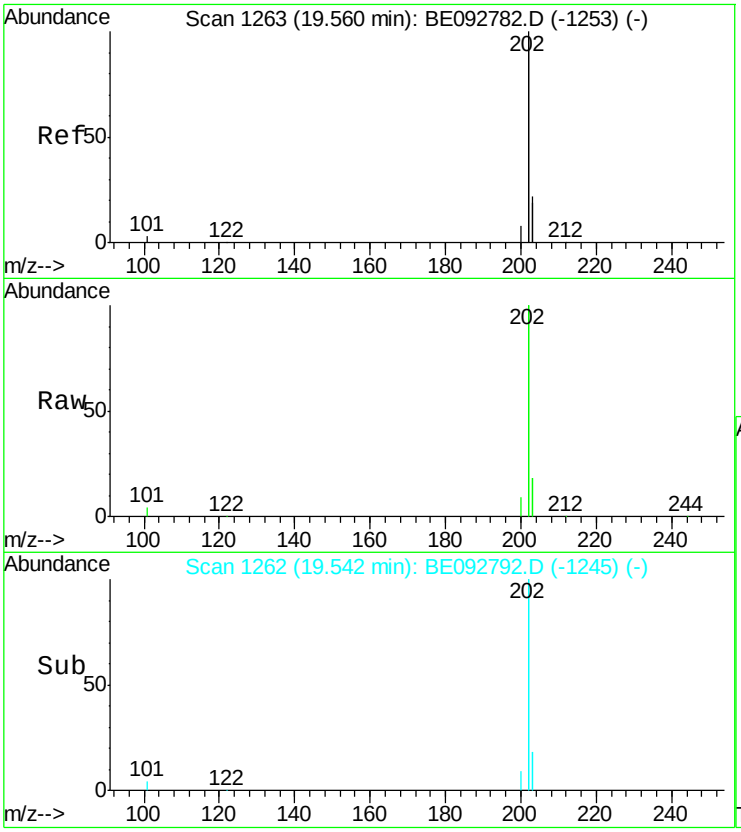


#22
Anthracene
Concen: 4.42 ng
RT: 17.62 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:178 Resp: 50255

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.1	12.2	18.2

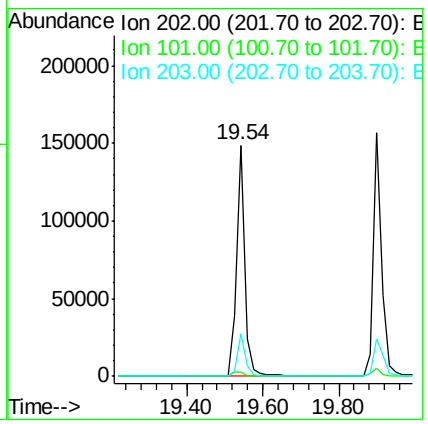




#23
Fluoranthene
Concen: 4.13 ng
RT: 19.54 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:202 Resp: 226963

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.7	13.7	20.5



Instrument :
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ClientSampleId :
PB97289BS

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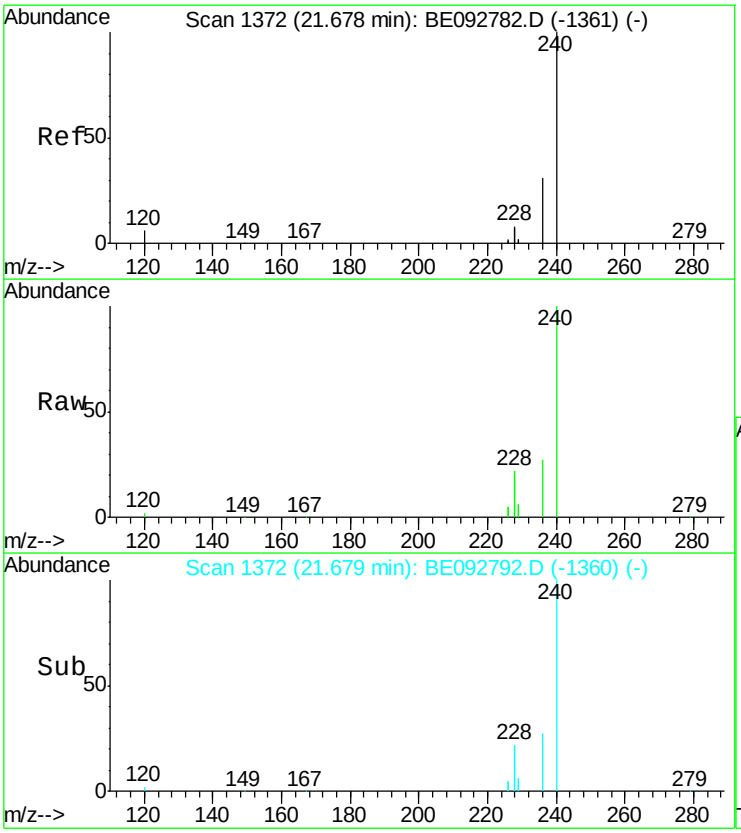
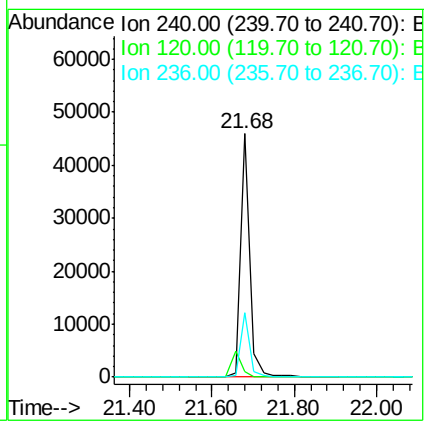
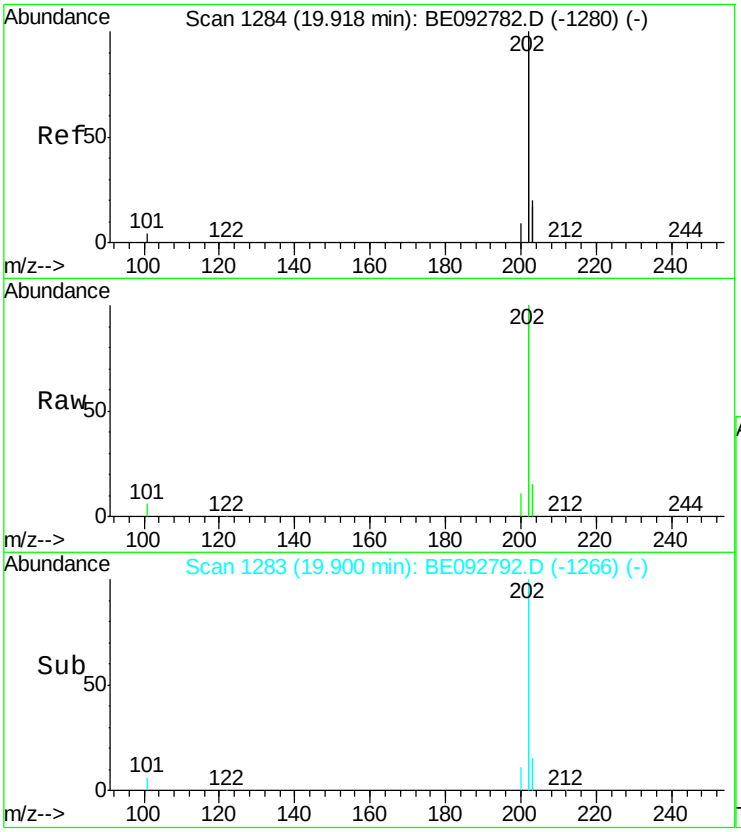


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:240 Resp: 71981

Ion	Ratio	Lower	Upper
240	100		
120	2.3	2.6	4.0#
236	26.7	24.6	37.0





#25
Pyrene
Concen: 3.68 ng
RT: 19.90 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:202 Resp: 239663

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.9	13.9	20.9

Instrument :
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ClientSampleId :
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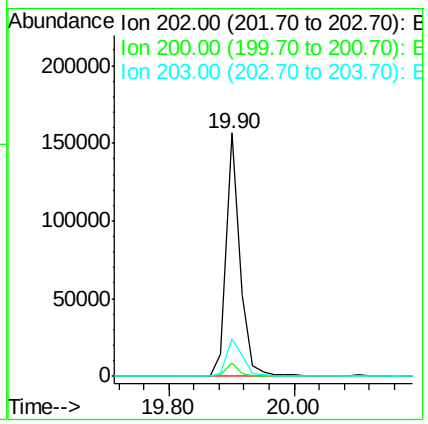
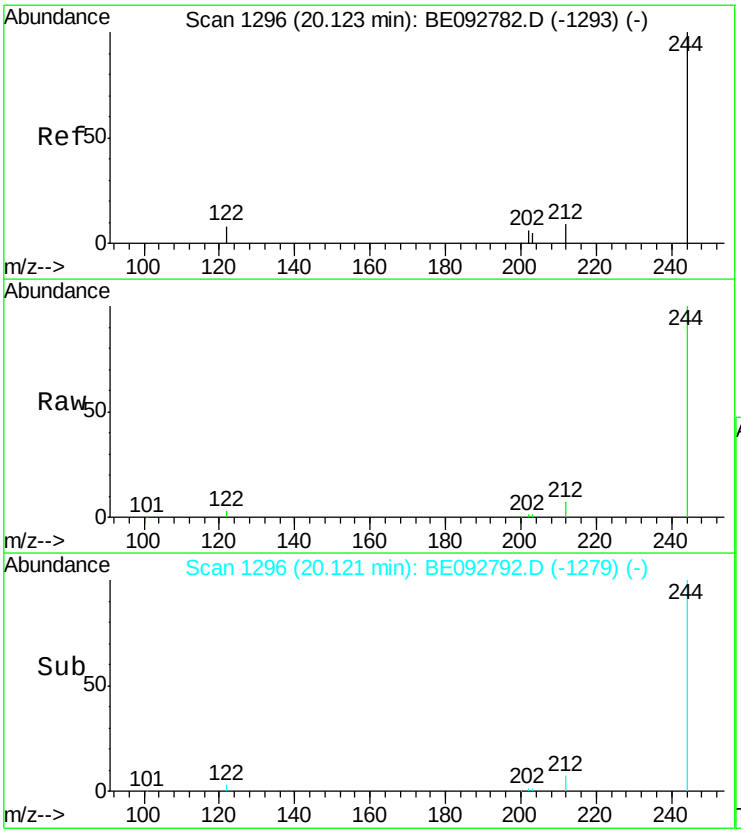
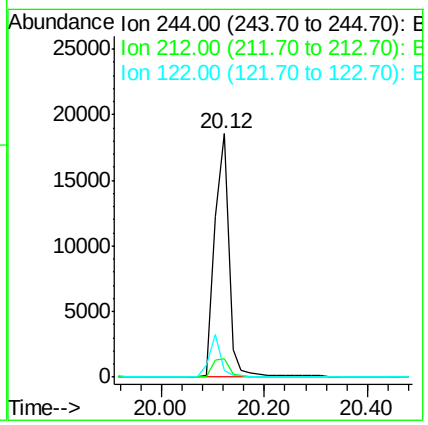


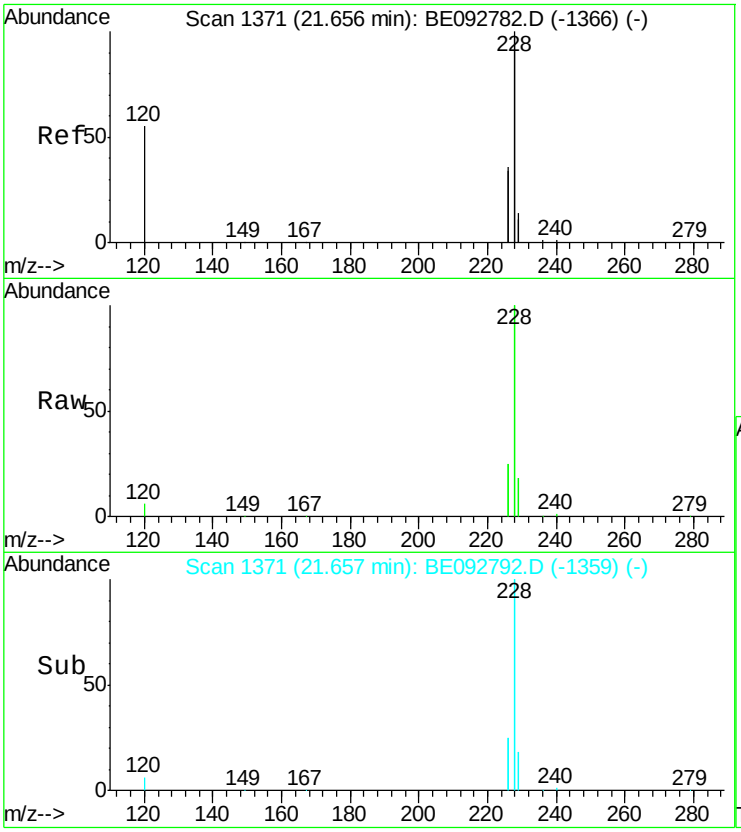


#26
Terphenyl-d14
Concen: 4.03 ng
RT: 20.12 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:244 Resp: 35009

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.7	10.1
122	2.8	3.6	5.4#

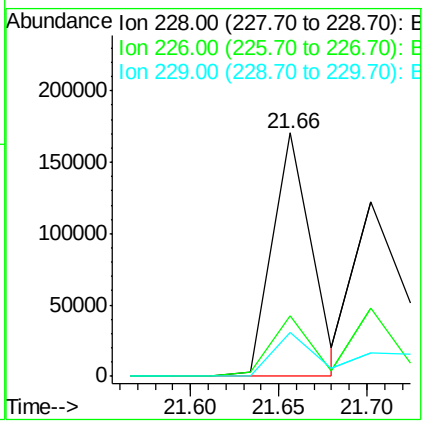




#27
Benzo(a)anthracene
Concen: 3.54 ng m
RT: 21.66 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:228 Resp: 263500

Ion	Ratio	Lower	Upper
228	100		
226	25.0	23.6	35.4
229	18.1	13.3	19.9



Instrument :
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ClientSampleId :
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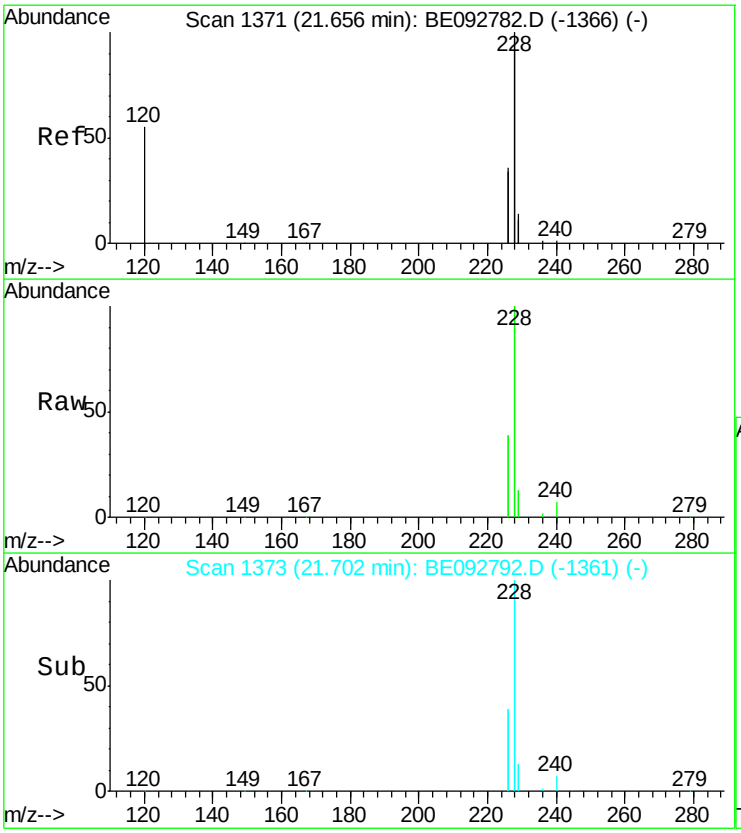
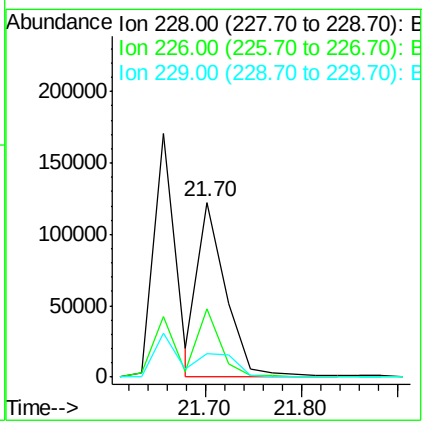
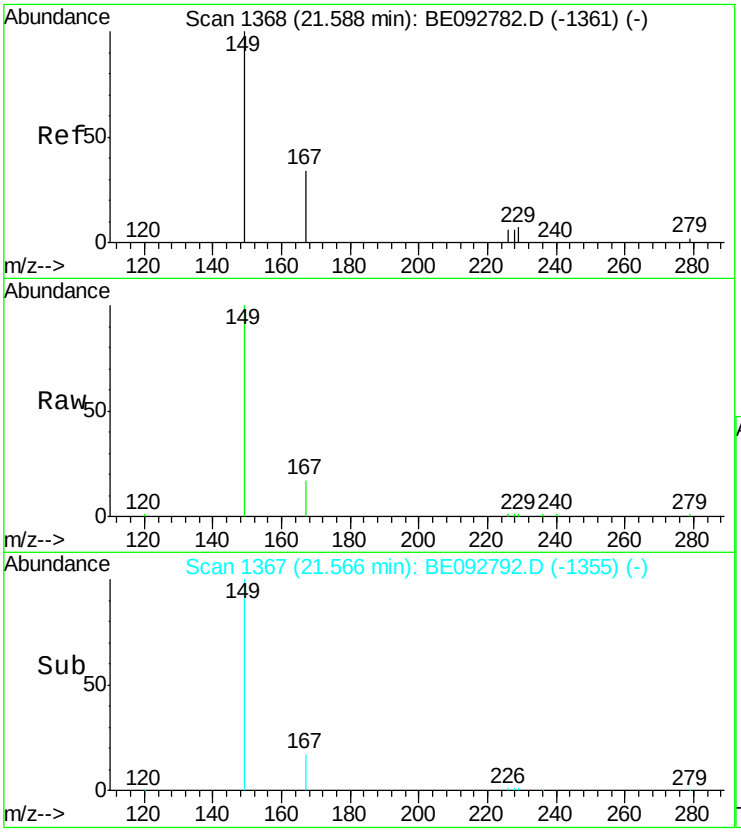


#28
Chrysene
Concen: 3.83 ng m
RT: 21.70 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:228 Resp: 253116

Ion	Ratio	Lower	Upper
228	100		
226	38.9	36.3	54.5
229	13.1	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 3.28 ng
RT: 21.57 min Scan# 1367
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:149 Resp: 20754

Ion	Ratio	Lower	Upper
149	100		
167	0.0	16.0	24.0#
279	0.0	16.0	24.0#

Instrument :
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ClientSampleId :
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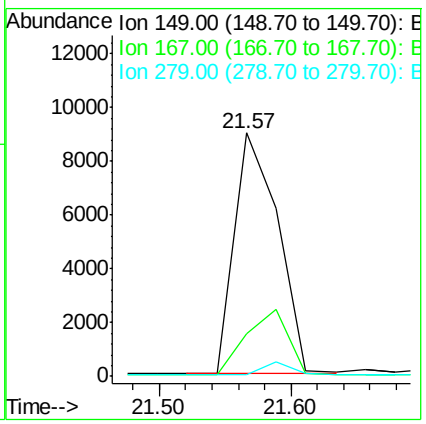
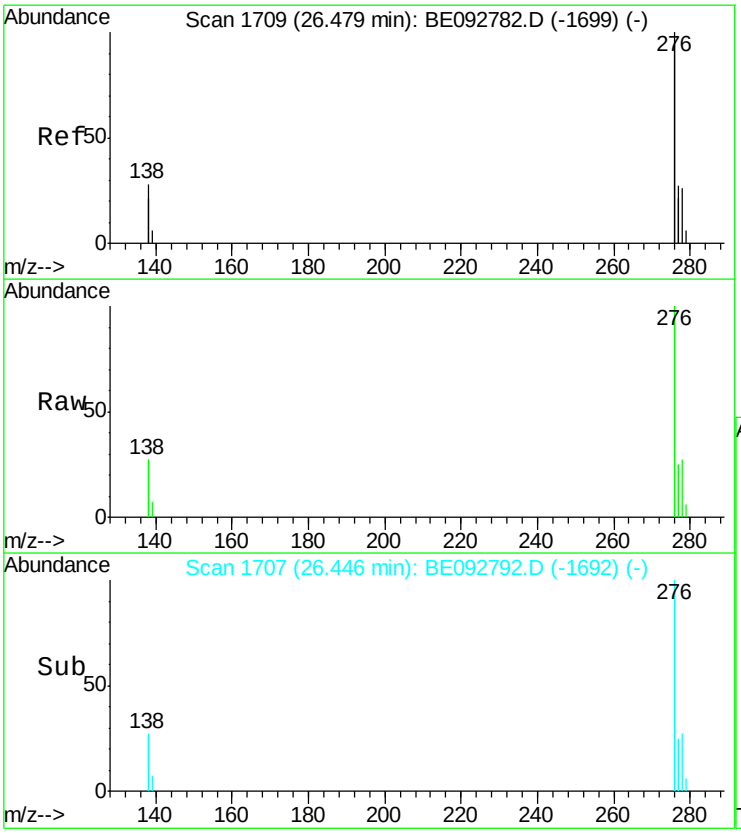
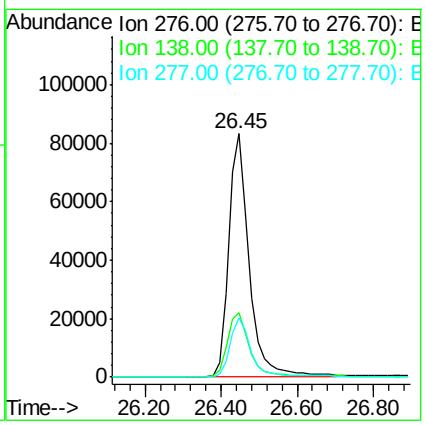


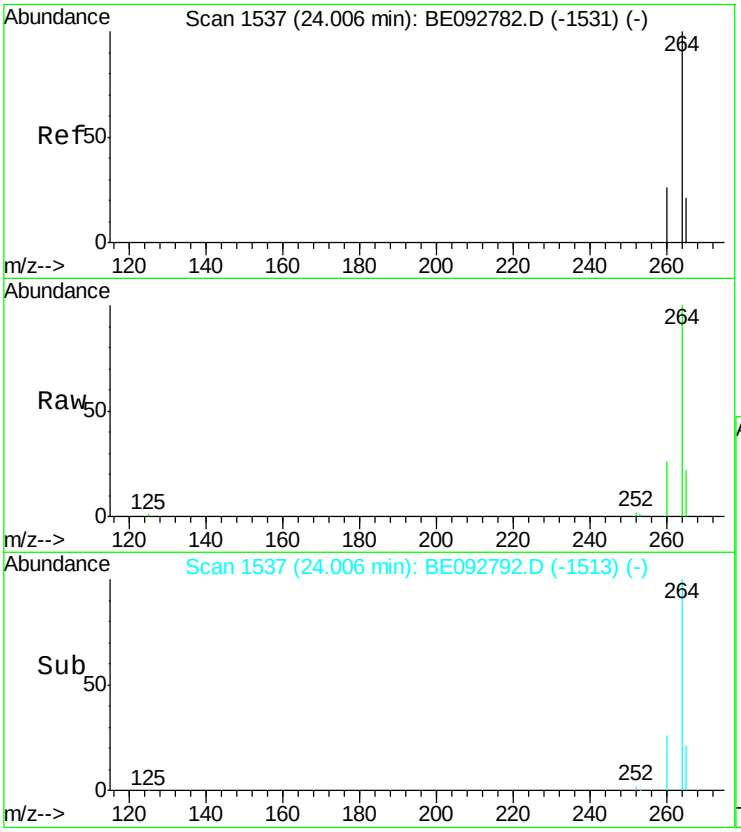


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.35 ng
RT: 26.45 min Scan# 1707
Delta R.T. -0.05 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:276 Resp: 311047

Ion	Ratio	Lower	Upper
276	100		
138	28.2	20.3	30.5
277	24.5	19.7	29.5

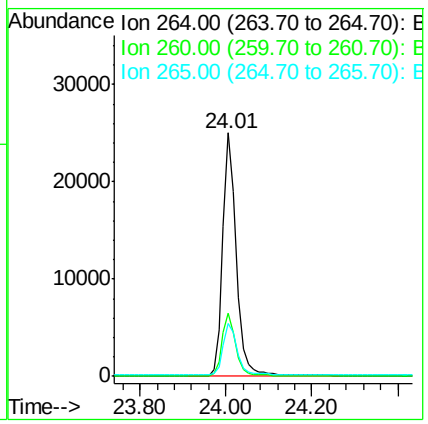




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:264 Resp: 55564

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.1	30.1
265	21.7	17.9	26.9



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ClientSampleId :
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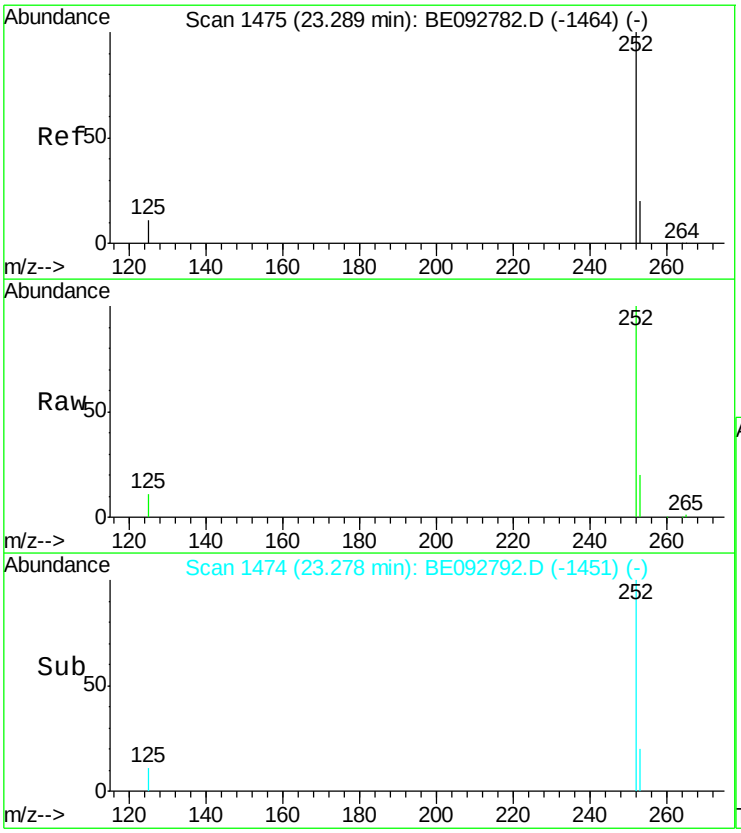
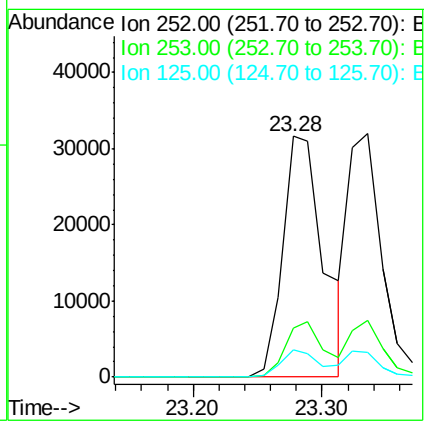
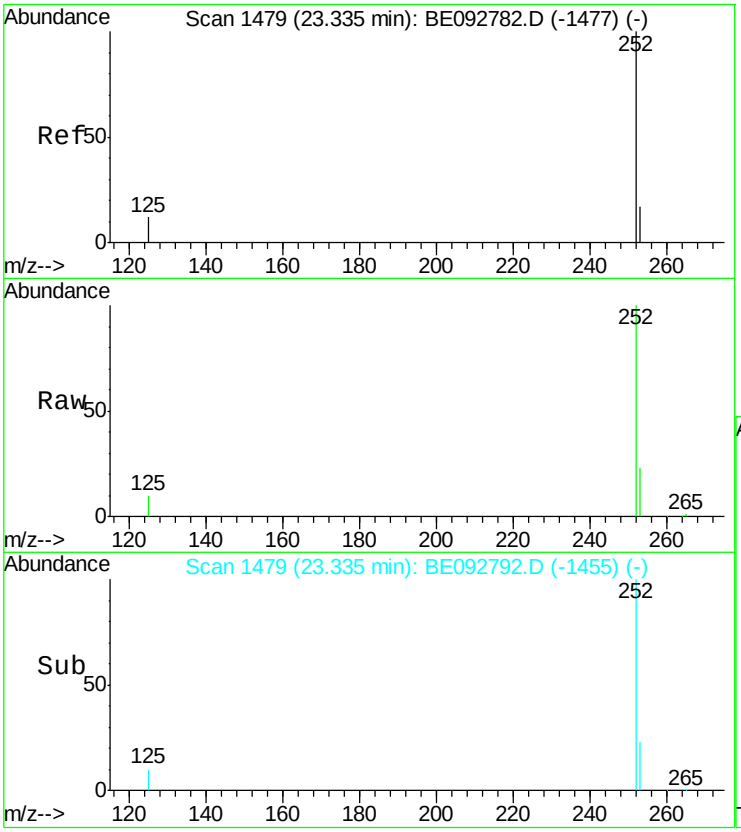


#32
Benzo(b)fluoranthene
Concen: 4.71 ng
RT: 23.28 min Scan# 1474
Delta R.T. -0.04 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:252 Resp: 69628

Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.7	28.1
125	11.4	10.5	15.7

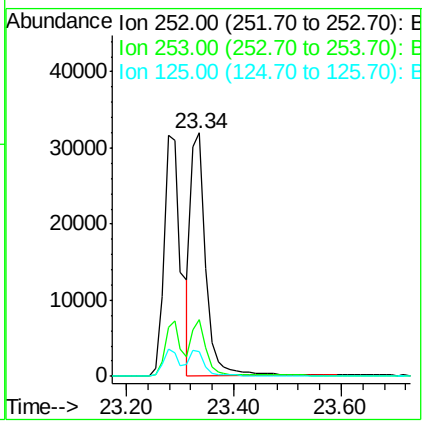




#33
Benzo(k)fluoranthene
Concen: 4.05 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:252 Resp: 60220

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.3	30.5
125	10.0	9.6	14.4



Instrument :
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ClientSampleId :
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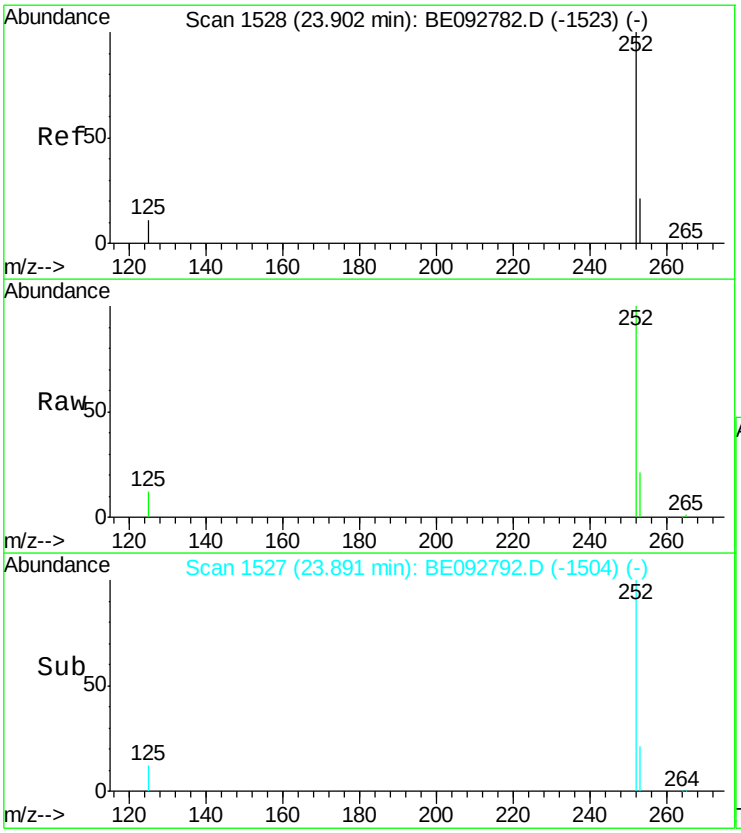
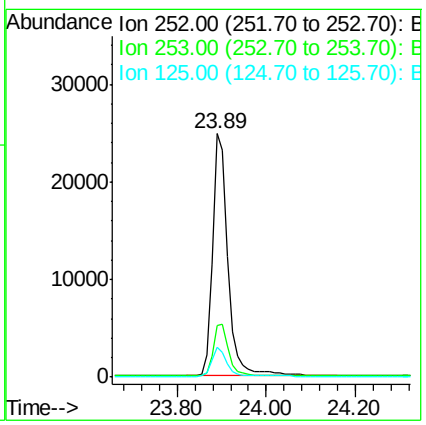
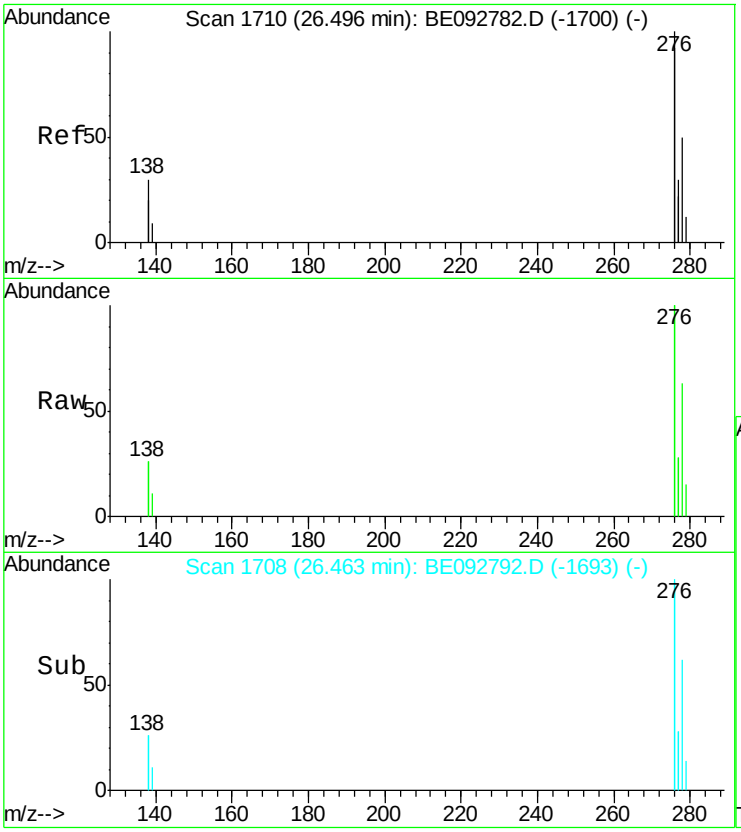


#34
Benzo(a)pyrene
Concen: 4.44 ng
RT: 23.89 min Scan# 1527
Delta R.T. -0.04 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:252 Resp: 59704

Ion	Ratio	Lower	Upper
252	100		
253	21.1	19.0	28.6
125	12.4	11.8	17.8

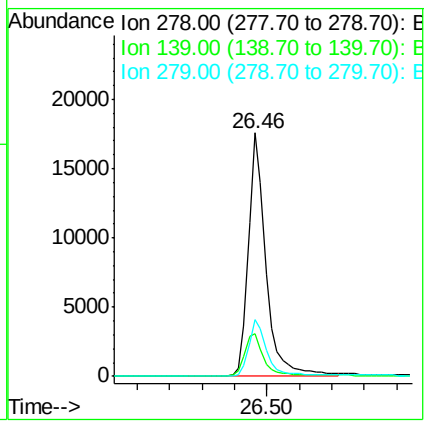




#35
Dibenzo(a,h)anthracene
Concen: 5.08 ng
RT: 26.46 min Scan# 1708
Delta R.T. -0.05 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:278 Resp: 65319

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.8	20.8
279	23.5	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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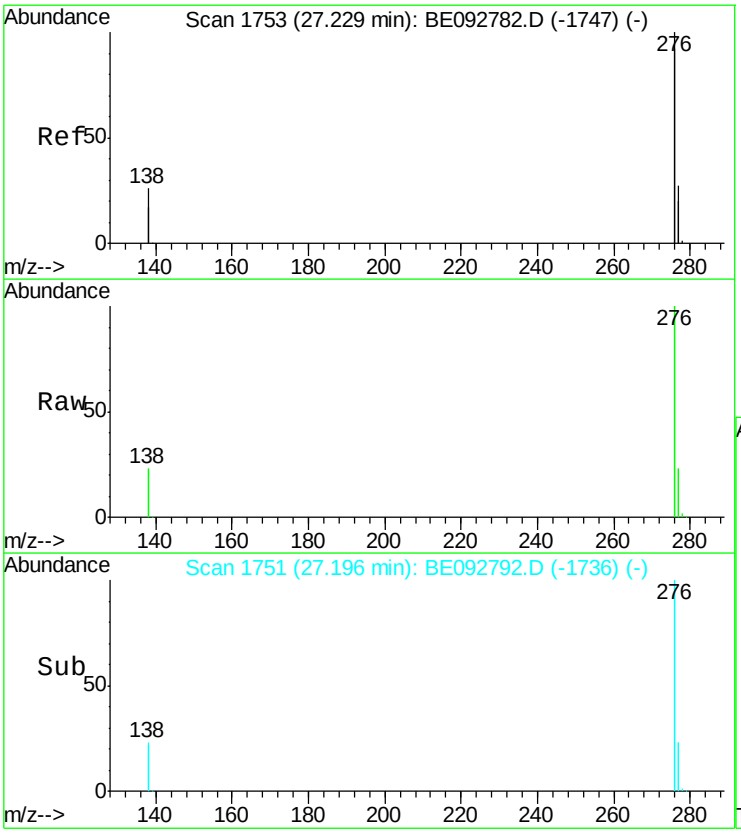

#36
Benzo(g,h,i)perylene
Concen: 4.79 ng
RT: 27.20 min Scan# 1751
Delta R.T. -0.05 min
Lab File: BE092792.D
Acq: 6 Mar 2017 18:17

Tgt Ion:276 Resp: 263572

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.8	29.8
138	23.2	19.8	29.6