Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022017\
Data File : BE092748.D
Acq On : 20 Feb 2017 15:22
Operator : SJ/MA
Sample : PB97065BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB97065BS

Manual Integrations APPROVED
mohammad
2/21/2017 10:37:30 AM

Quant Time: Feb 20 17:51:44 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 15 17:05:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	10255	5.00	ng		-0.02
7) Naphthalene-d8	10.88	136	44286	5.00	ng		-0.02
12) Acenaphthene-d10	14.76	164	22457	5.00	ng		0.00
18) Phenanthrene-d10	17.51	188	53945	5.00	ng		0.00
24) Chrysene-d12	21.70	240	47699	5.00	ng		0.00
31) Perylene-d12	24.03	264	51992	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.61	112	20975	10.51	ng		-0.02
5) Phenol-d6	7.27	99	28353	11.58	ng		-0.05
8) Nitrobenzene-d5	9.27	82	13540	4.53	ng		-0.05
13) 2,4,6-Tribromophenol	16.25	330	5996	12.58	ng		-0.03
14) 2-Fluorobiphenyl	13.38	172	27666	5.05	ng		-0.02
26) Terphenyl-d14	20.12	244	33025	5.42	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	4748	3.72	ng	#	77
3) n-Nitrosodimethylamine	3.69	42	7655	4.09	ng	#	93
6) bis(2-Chloroethyl)ether	7.52	93	13472	4.97	ng		90
9) Naphthalene	10.93	128	39181	4.09	ng		94
10) Hexachlorobutadiene	11.22	225	5919	4.20	ng		99
11) 2-Methylnaphthalene	12.57	142	24994	4.15	ng	#	85
15) Acenaphthylene	14.47	152	157390	4.64	ng		100
16) Acenaphthene	14.81	154	23637	4.80	ng		92
17) Fluorene	15.80	166	29808	4.72	ng		98
19) Hexachlorobenzene	16.82	284	7514	3.61	ng	#	89
20) Pentachlorophenol	17.19	266	4926	8.04	ng	#	87
21) Phenanthrene	17.56	178	47312	3.69	ng	#	95
22) Anthracene	17.65	178	45768	3.88	ng		99
23) Fluoranthene	19.54	202	213917	3.89	ng		100
25) Pyrene	19.92	202	224790	4.95	ng		99
27) Benzo(a)anthracene	21.68	228	218281	4.72	ng	#	71
28) Chrysene	21.72	228	226329m	4.12	ng		
29) Bis(2-ethylhexyl)phthalate	21.59	149	36029	5.63	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.46	276	278340	4.89	ng		97
32) Benzo(b)fluoranthene	23.30	252	57951	4.25	ng		96
33) Benzo(k)fluoranthene	23.35	252	59706	4.11	ng		94
34) Benzo(a)pyrene	23.91	252	56707	4.24	ng		95
35) Dibenzo(a,h)anthracene	26.50	278	57528	4.38	ng		95
36) Benzo(g,h,i)perylene	27.23	276	239831	4.40	ng		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022017\
Data File : BE092748.D
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Operator : SJ/MA
Sample : PB97065BS
Misc :
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Instrument :
BNA_E
ClientSampleId :
PB97065BS

Manual Integrations APPROVED
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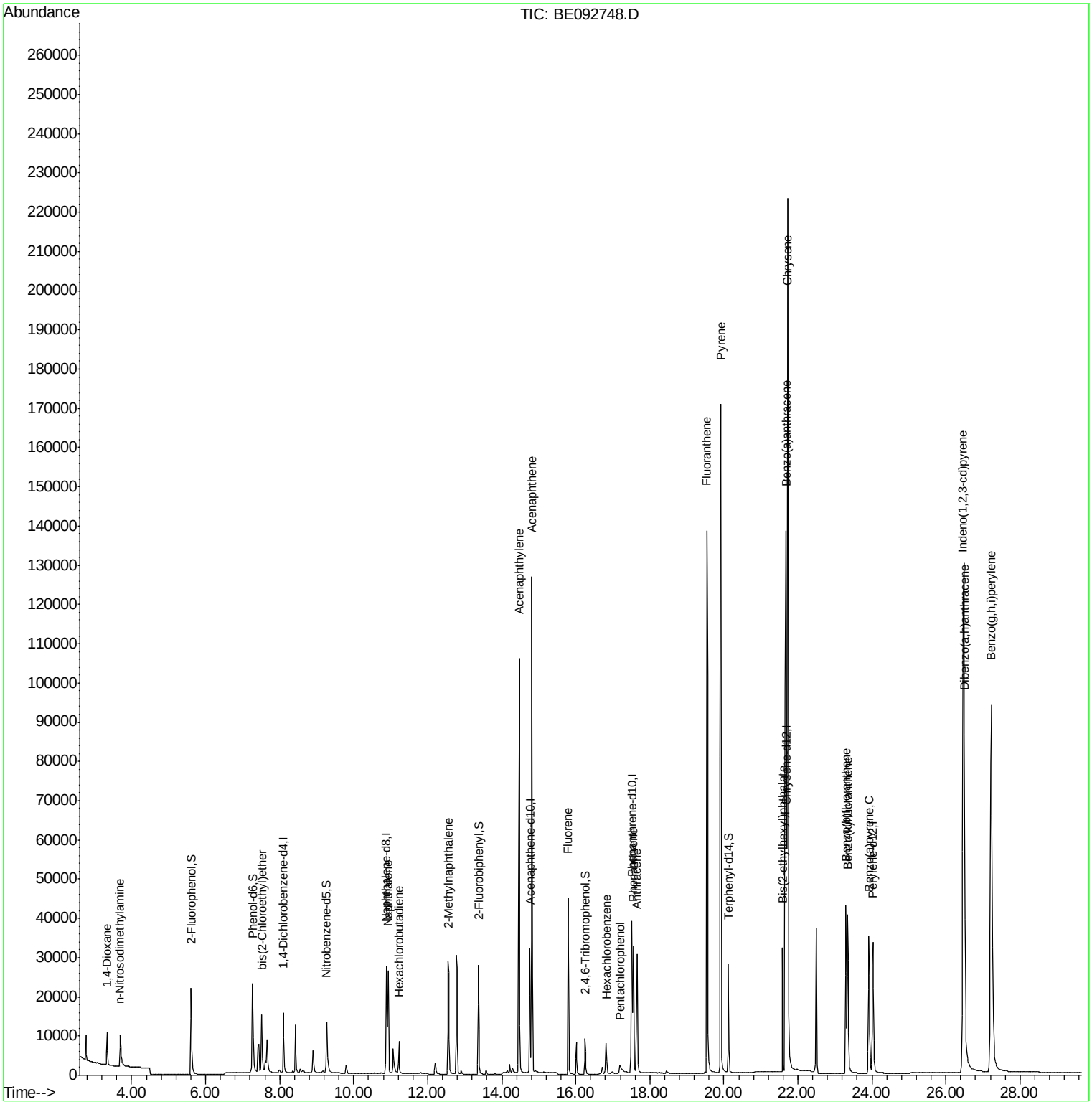
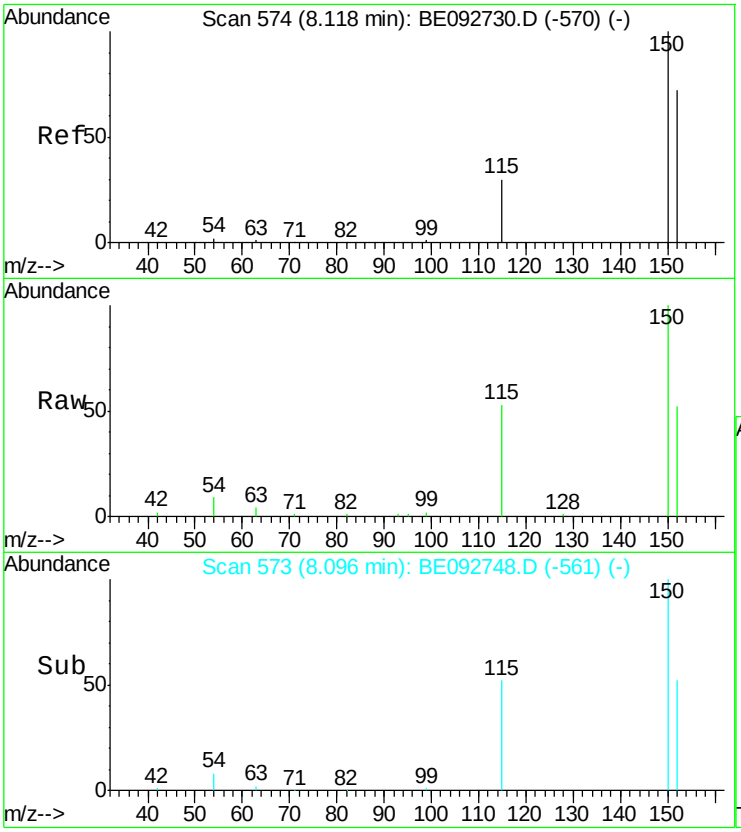
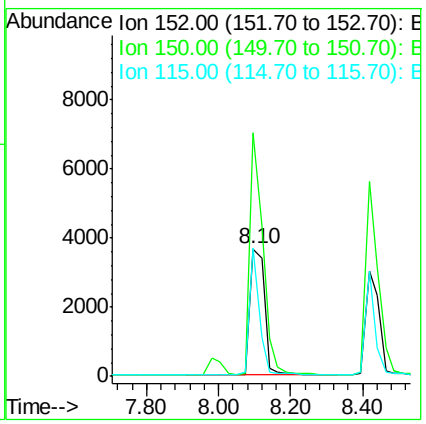




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.10 min Scan# 573
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:152 Resp: 10255

Ion	Ratio	Lower	Upper
152	100		
150	190.8	106.0	159.0#
115	100.5	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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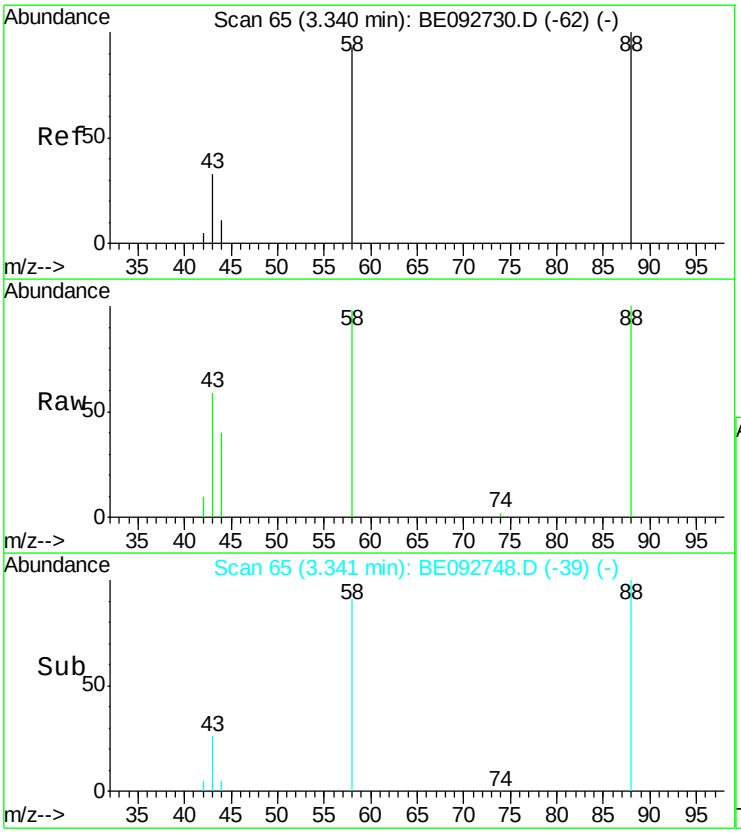
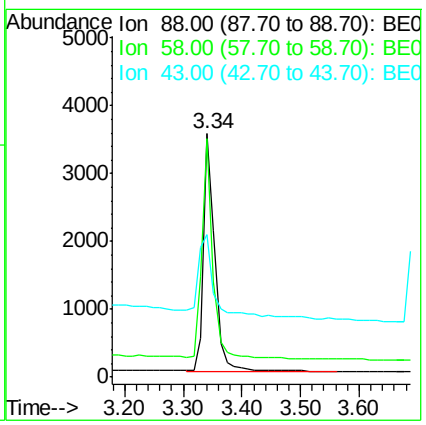
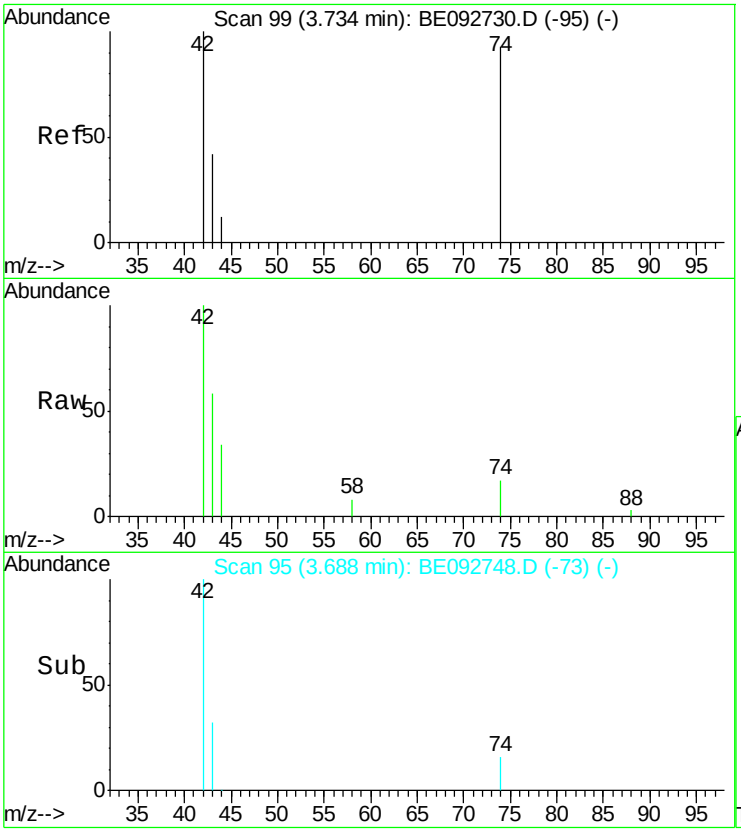


#2
1,4-Dioxane
Concen: 3.72 ng
RT: 3.34 min Scan# 65
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion: 88 Resp: 4748

Ion	Ratio	Lower	Upper
88	100		
58	92.6	63.6	95.4
43	58.2	28.0	42.0#

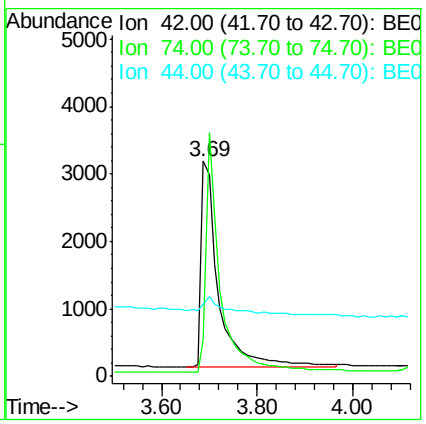




#3
n-Nitrosodimethylamine
Concen: 4.09 ng
RT: 3.69 min Scan# 95
Delta R.T. -0.05 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion: 42 Resp: 7655

Ion	Ratio	Lower	Upper
42	100		
74	100.7	86.0	129.0
44	12.4	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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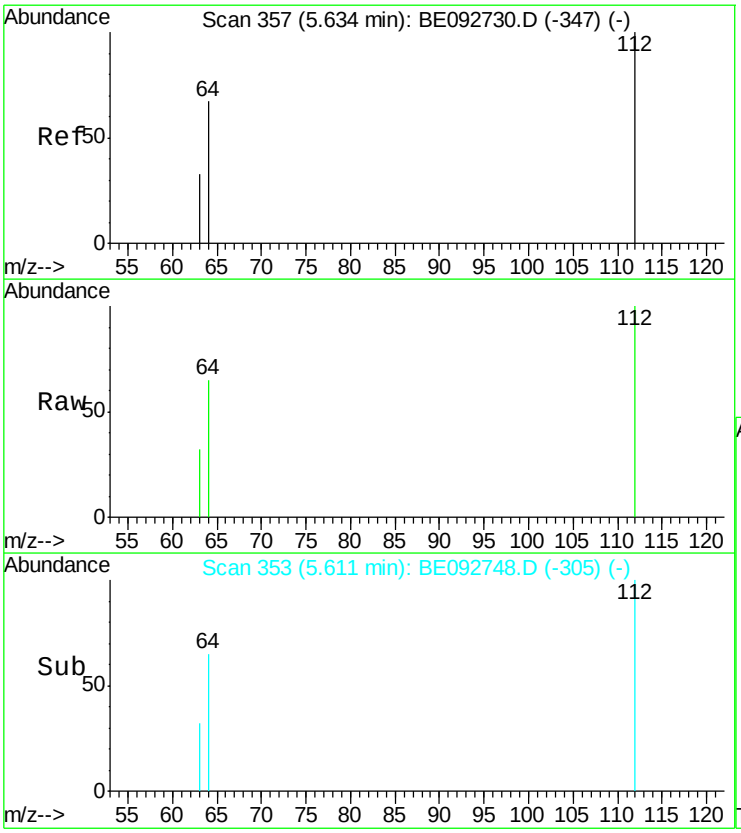
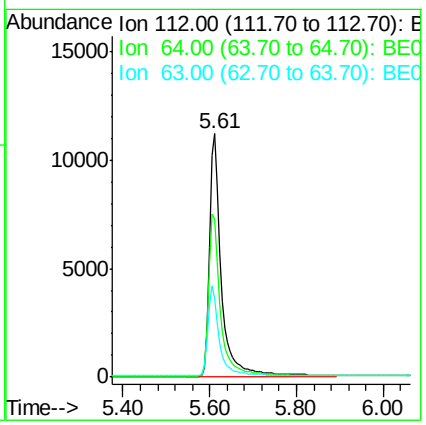
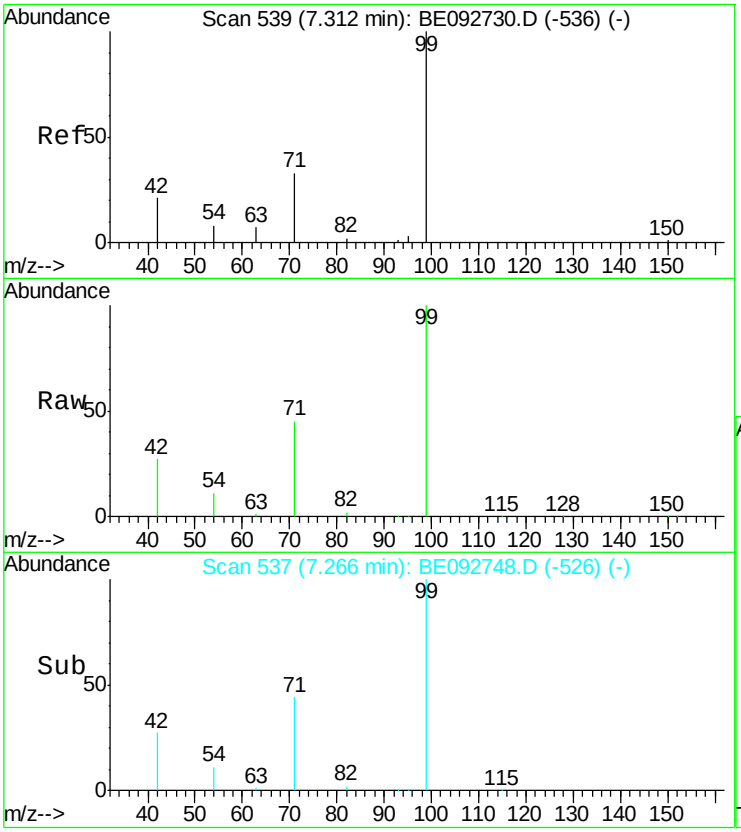


#4
2-Fluorophenol
Concen: 10.51 ng
RT: 5.61 min Scan# 353
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:112 Resp: 20975

Ion	Ratio	Lower	Upper
112	100		
64	68.0	53.5	80.3
63	36.6	27.9	41.9

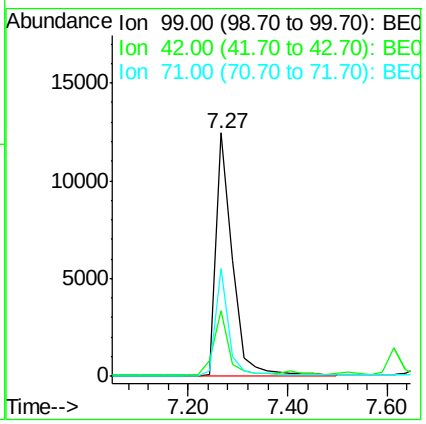




#5
Phenol-d6
Concen: 11.58 ng
RT: 7.27 min Scan# 537
Delta R.T. -0.05 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion: 99 Resp: 28353

Ion	Ratio	Lower	Upper
99	100		
42	23.8	16.0	24.0
71	35.7	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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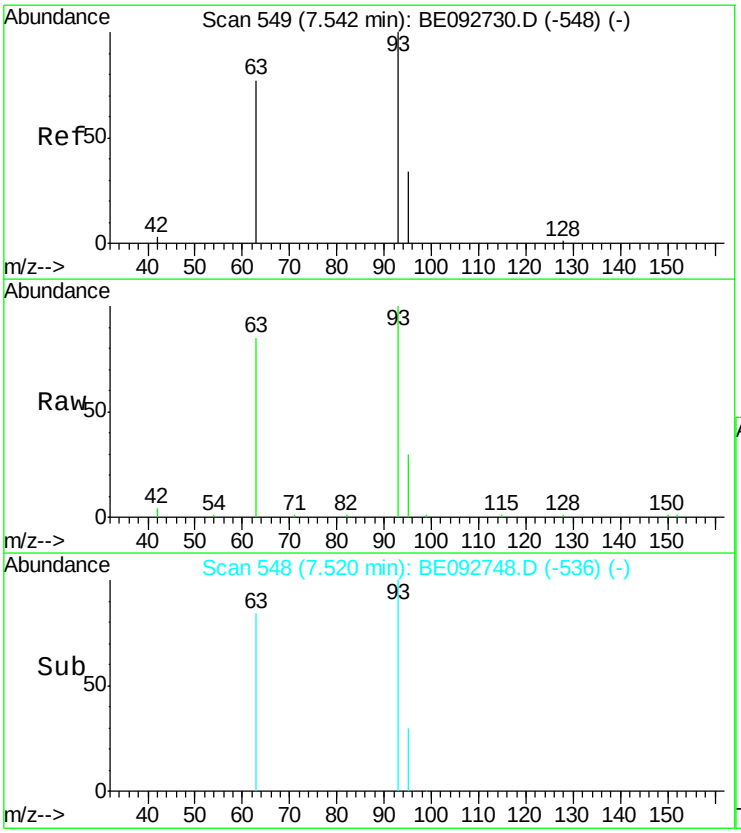
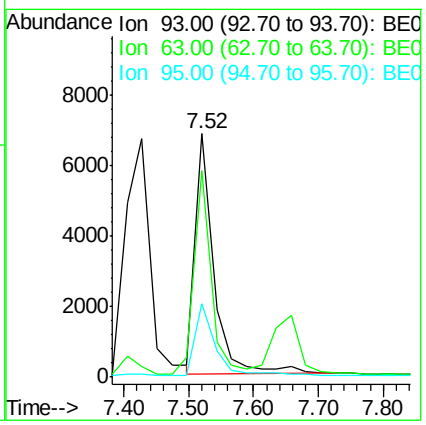
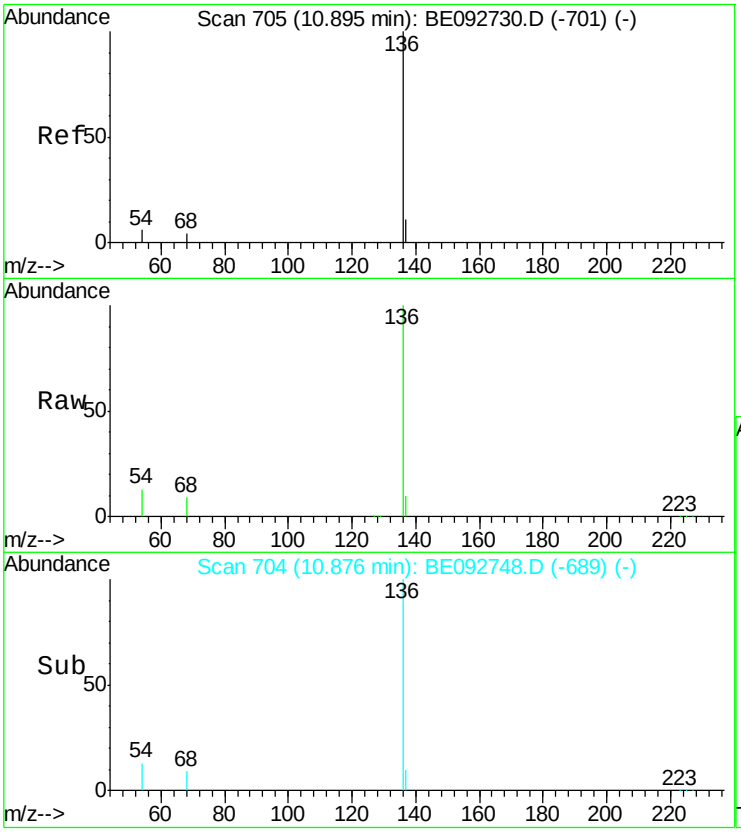


#6
bis(2-Chloroethyl)ether
Concen: 4.97 ng
RT: 7.52 min Scan# 548
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion: 93 Resp: 13472

Ion	Ratio	Lower	Upper
93	100		
63	77.7	71.6	107.4
95	32.0	24.0	36.0

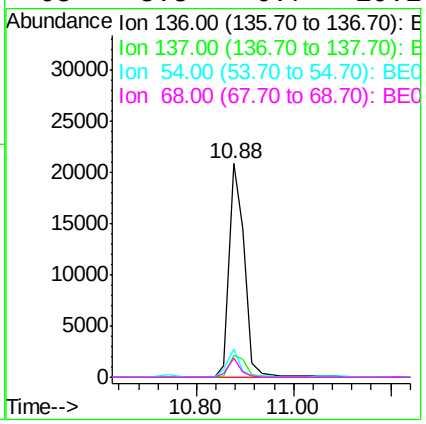




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.88 min Scan# 704
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:136 Resp: 44286

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.2	12.4
54	12.9	9.6	14.4
68	8.8	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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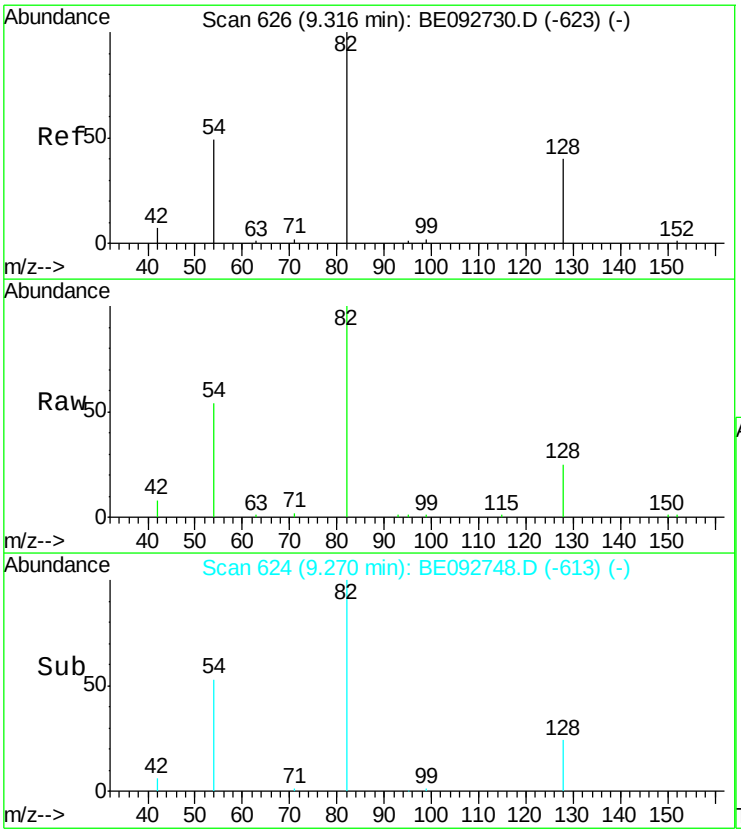
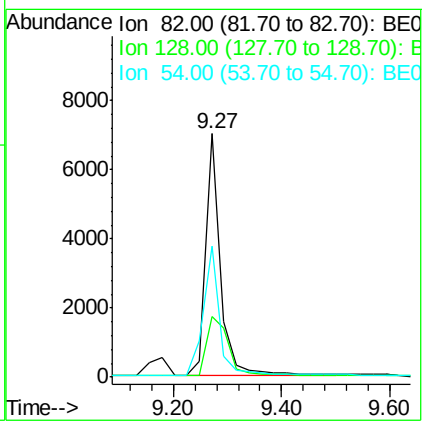
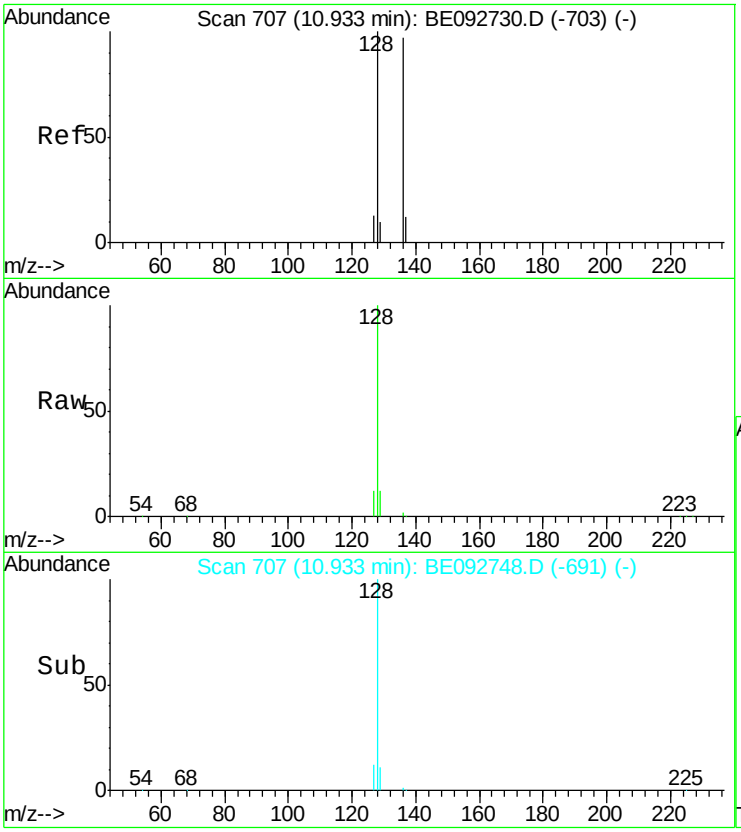


#8
Nitrobenzene-d5
Concen: 4.53 ng
RT: 9.27 min Scan# 624
Delta R.T. -0.05 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion: 82 Resp: 13540

Ion	Ratio	Lower	Upper
82	100		
128	24.7	39.0	58.4#
54	53.6	44.8	67.2

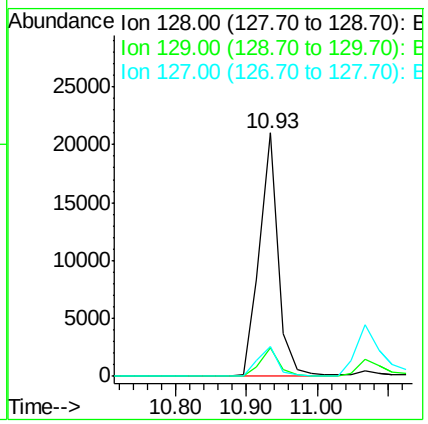




#9
Naphthalene
Concen: 4.09 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:128 Resp: 39181

Ion	Ratio	Lower	Upper
128	100		
129	11.6	11.2	16.8
127	12.2	11.6	17.4



Instrument :
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ClientSampleId :
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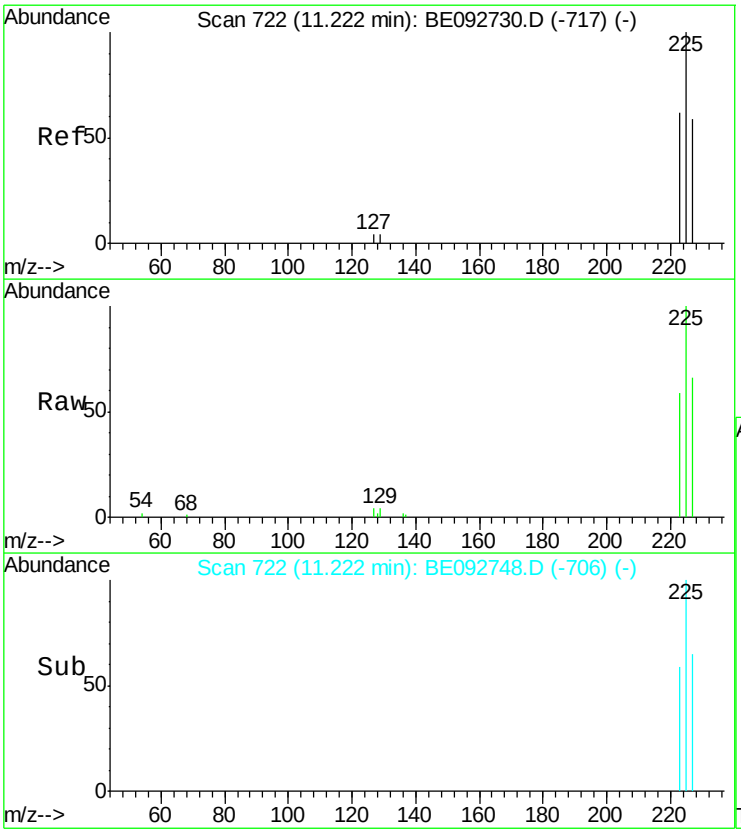
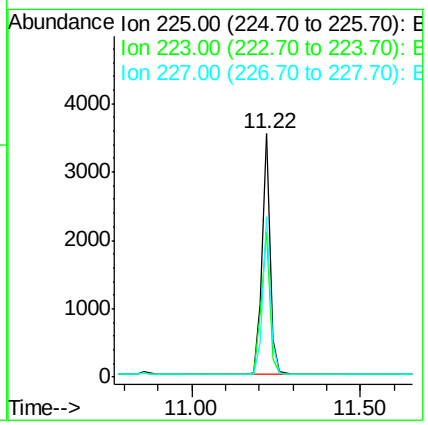
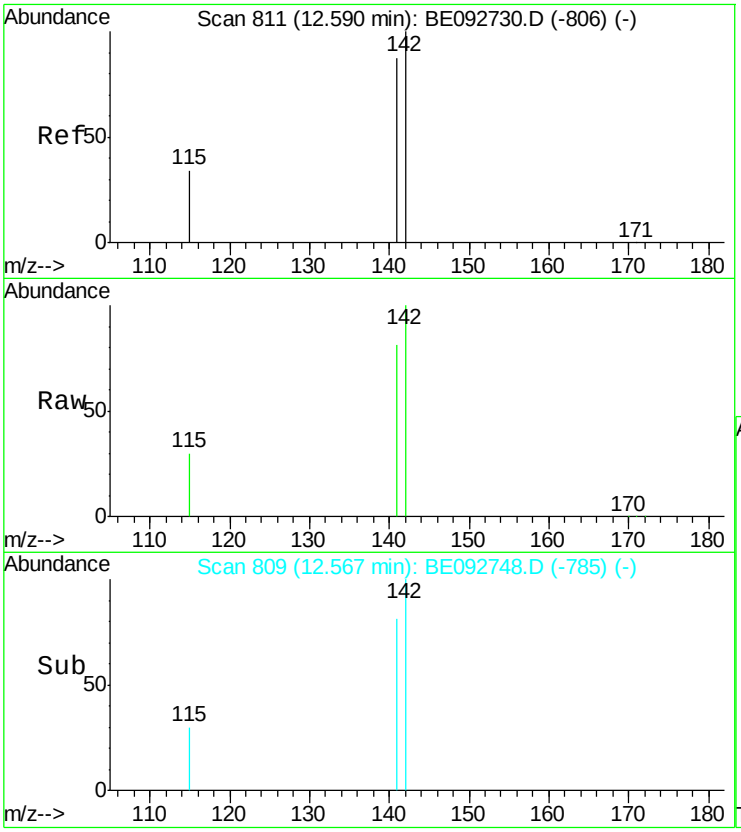


#10
Hexachlorobutadiene
Concen: 4.20 ng
RT: 11.22 min Scan# 722
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:225 Resp: 5919

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	63.5	51.4	77.0

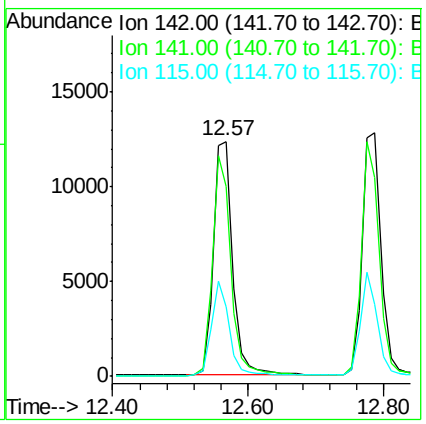




#11
2-Methylnaphthalene
Concen: 4.15 ng
RT: 12.57 min Scan# 809
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:142 Resp: 24994

Ion	Ratio	Lower	Upper
142	100		
141	80.6	73.7	110.5
115	29.5	34.0	51.0#



Instrument :
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ClientSampleId :
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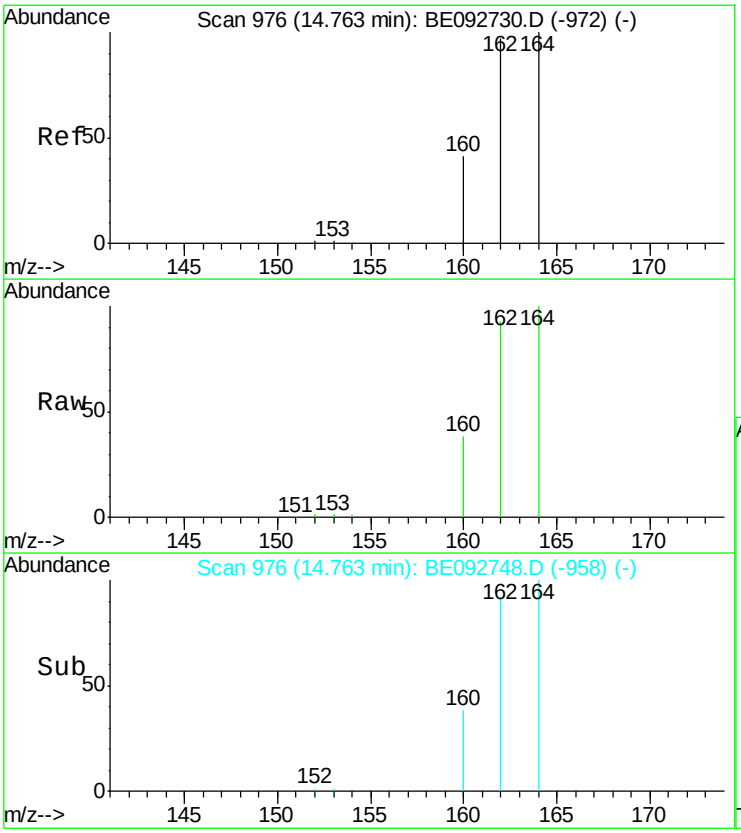
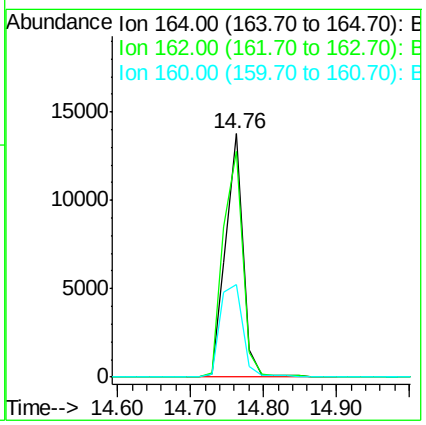
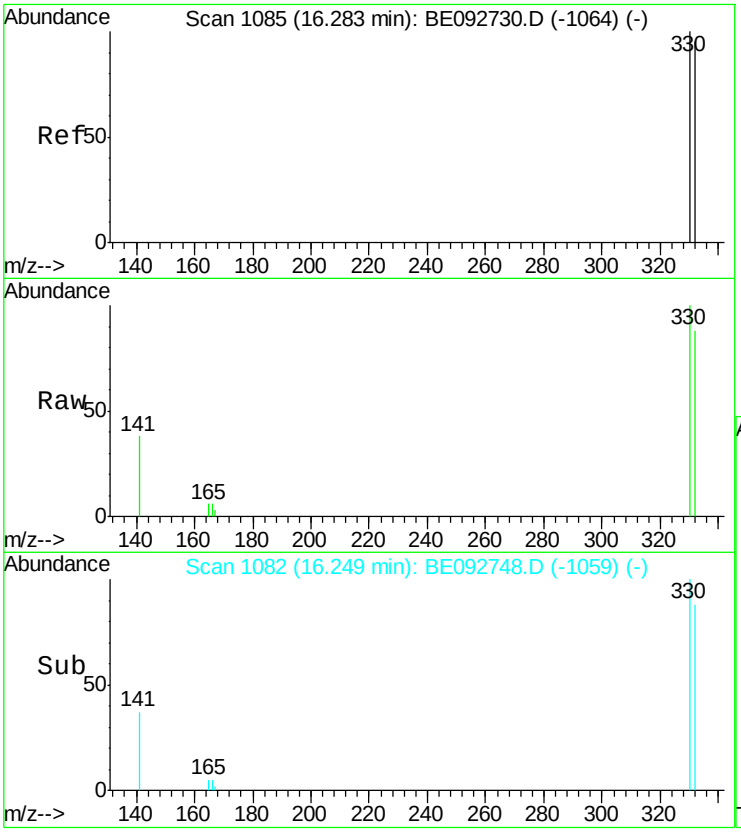


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.76 min Scan# 976
Delta R.T. -0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:164 Resp: 22457

Ion	Ratio	Lower	Upper
164	100		
162	92.5	71.4	107.0
160	38.1	27.4	41.2





#13
2,4,6-Tribromophenol
Concen: 12.58 ng
RT: 16.25 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:330 Resp: 5996

Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.4	113.0
141	43.2	31.0	46.6

Instrument :
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ClientSampleId :
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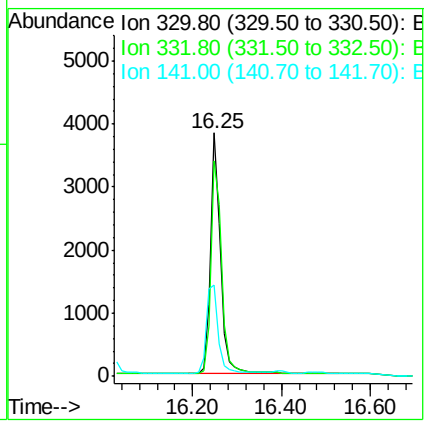
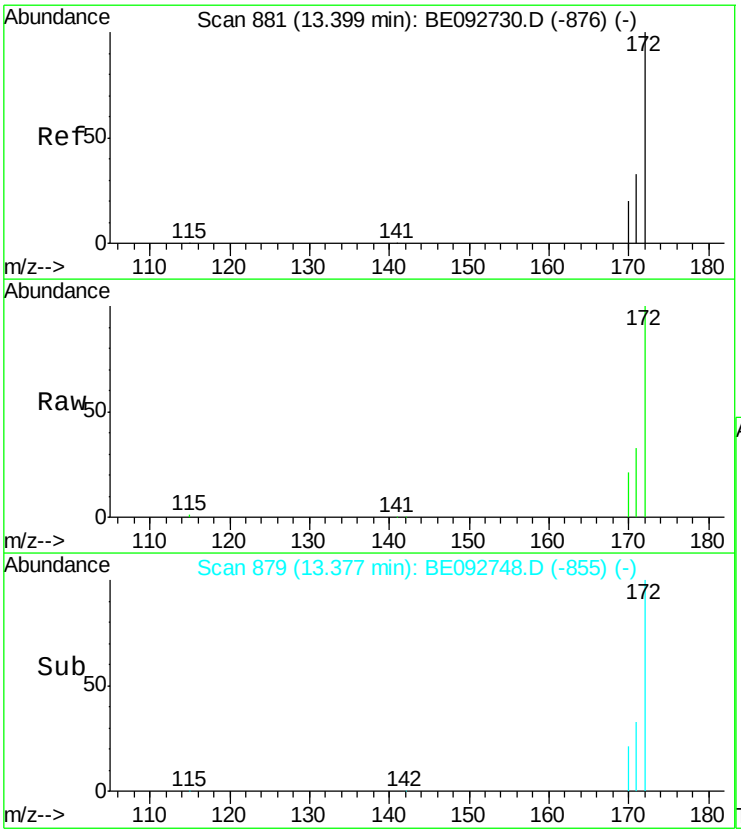
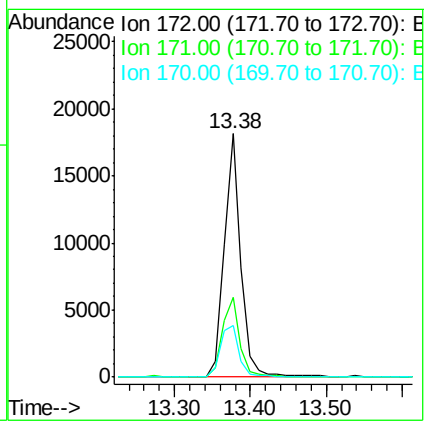


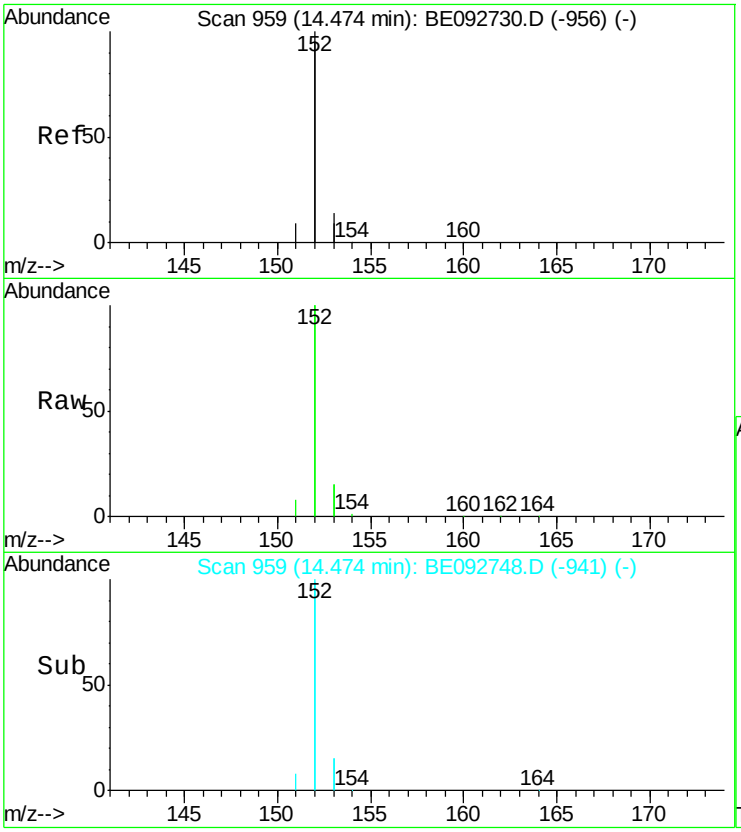


#14
2-Fluorobiphenyl
Concen: 5.05 ng
RT: 13.38 min Scan# 879
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:172 Resp: 27666

Ion	Ratio	Lower	Upper
172	100		
171	33.0	30.1	45.1
170	21.2	21.8	32.6#

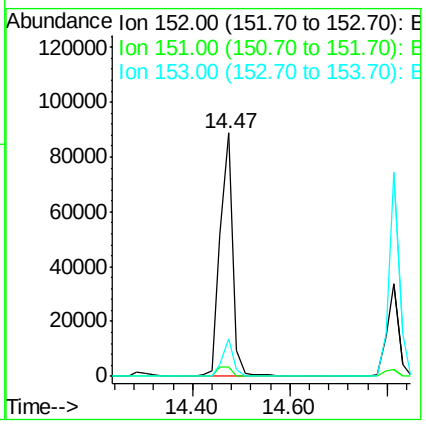




#15
Acenaphthylene
Concen: 4.64 ng
RT: 14.47 min Scan# 959
Delta R.T. -0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:152 Resp: 157390

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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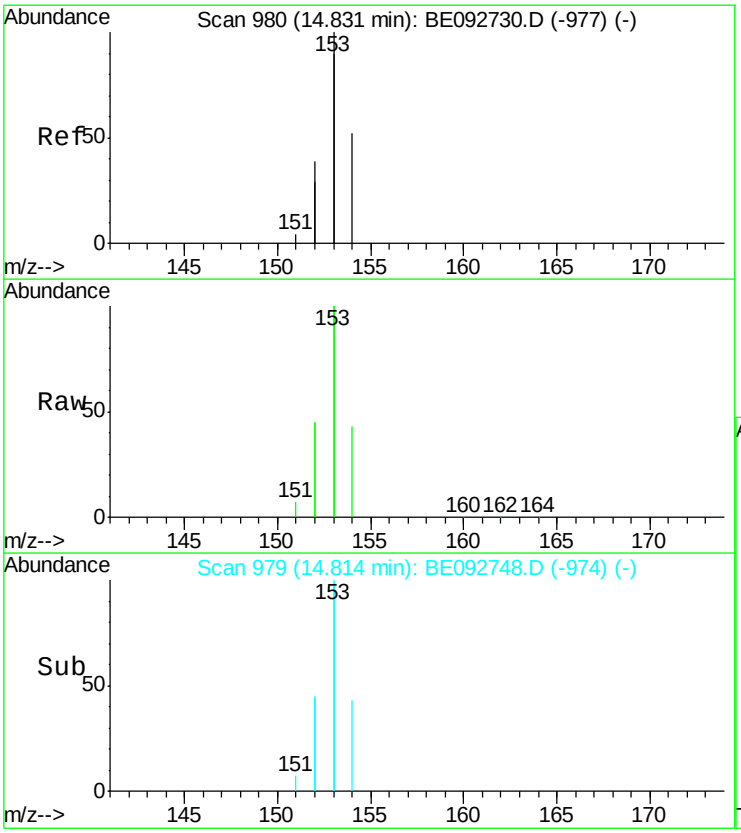
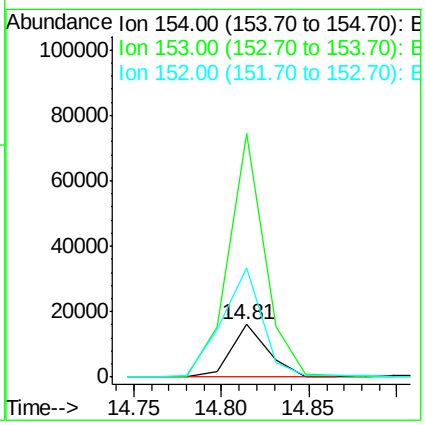
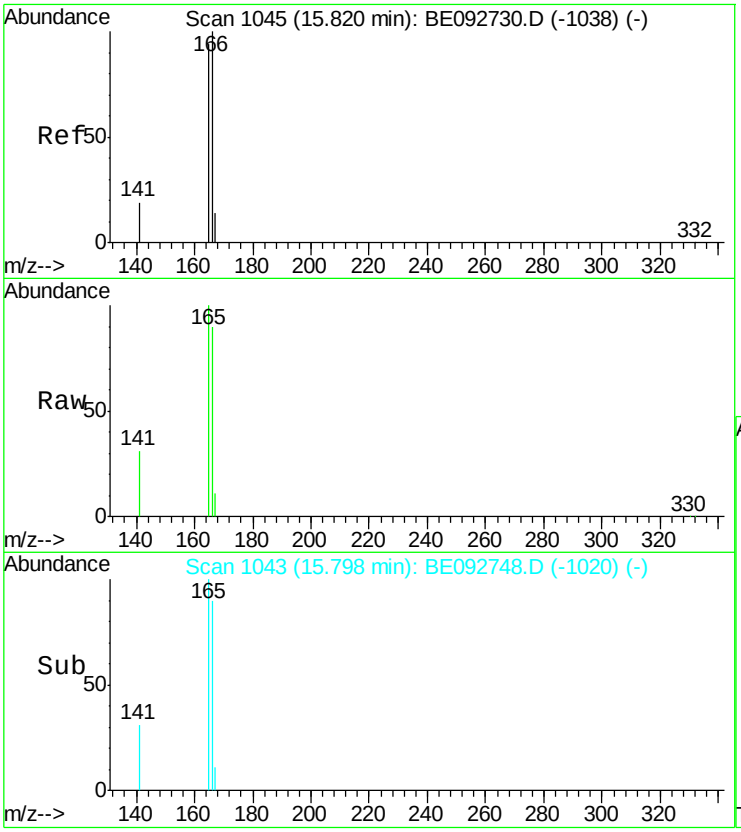


#16
Acenaphthene
Concen: 4.80 ng
RT: 14.81 min Scan# 979
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:154 Resp: 23637

Ion	Ratio	Lower	Upper
154	100		
153	456.4	350.8	526.2
152	227.1	171.1	256.7





#17
Fluorene
Concen: 4.72 ng
RT: 15.80 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:166 Resp: 29808

Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.2	117.4
167	13.5	11.0	16.4

Instrument :
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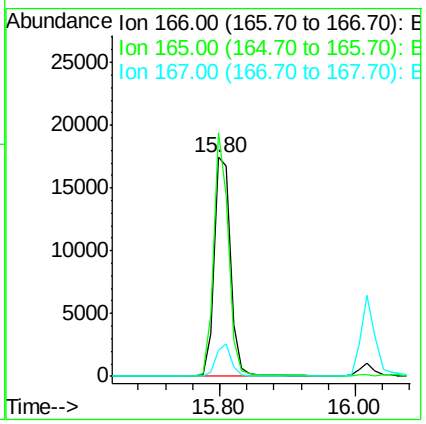
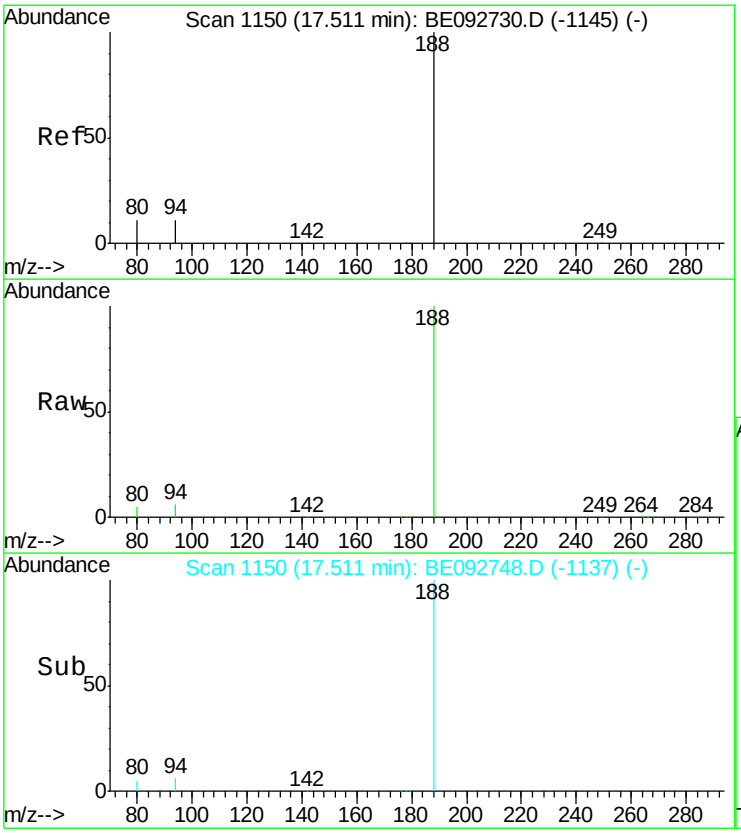
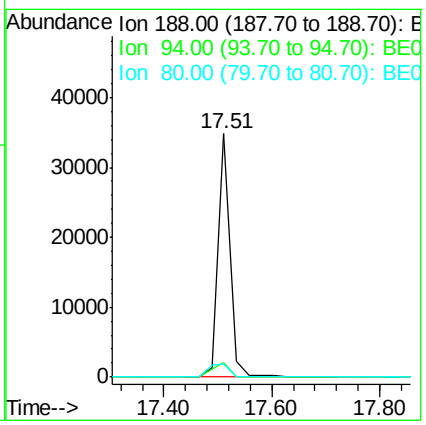


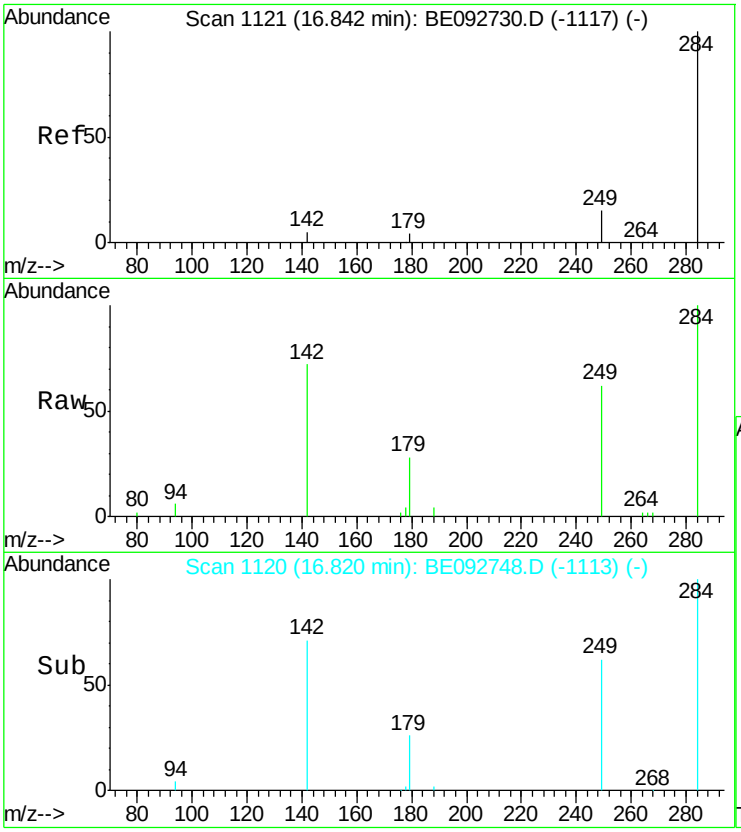


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:188 Resp: 53945

Ion	Ratio	Lower	Upper
188	100		
94	5.7	3.2	4.8#
80	5.2	2.6	3.8#

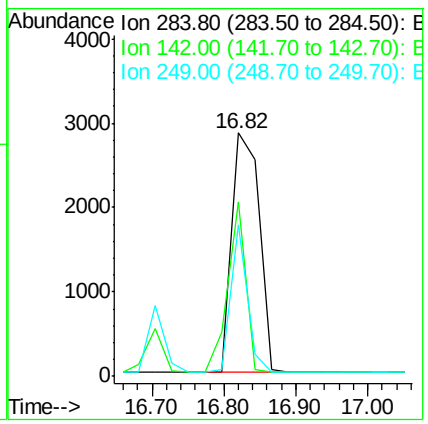




#19
Hexachlorobenzene
Concen: 3.61 ng
RT: 16.82 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:284 Resp: 7514

Ion	Ratio	Lower	Upper
284	100		
142	46.6	29.1	43.7#
249	37.0	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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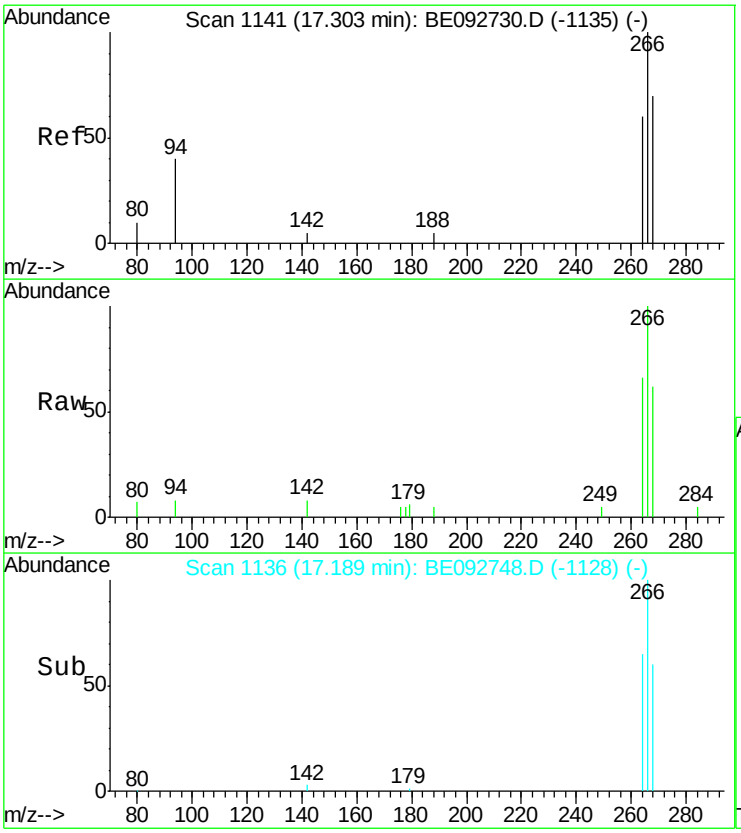
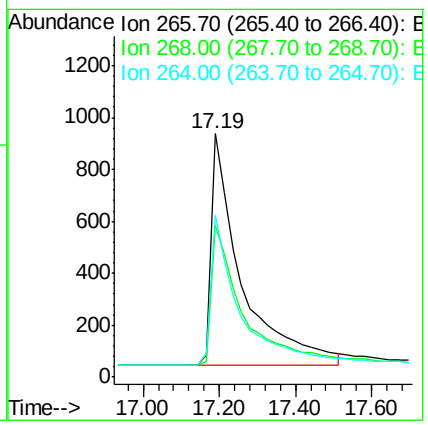
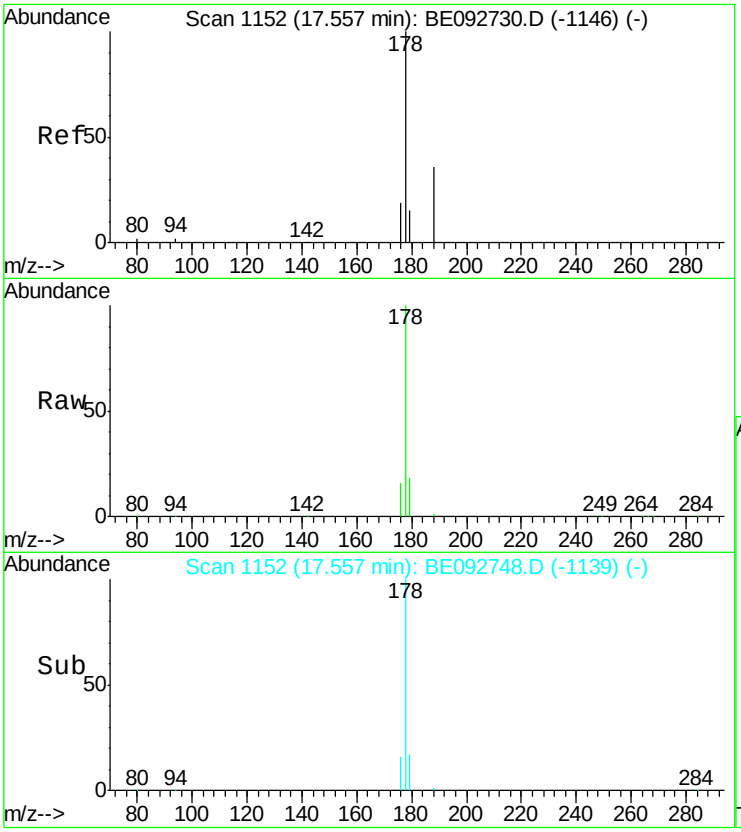


#20
Pentachlorophenol
Concen: 8.04 ng
RT: 17.19 min Scan# 1136
Delta R.T. -0.11 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:266 Resp: 4926

Ion	Ratio	Lower	Upper
266	100		
268	62.2	62.5	93.7#
264	66.2	57.2	85.8

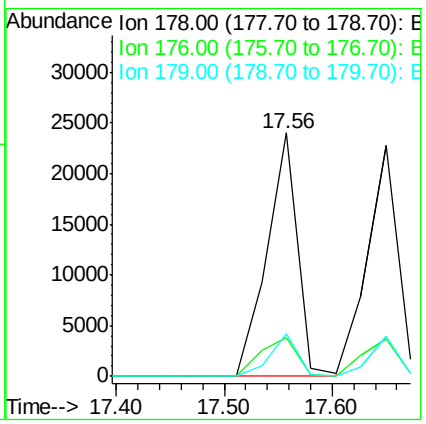




#21
Phenanthrene
Concen: 3.69 ng
RT: 17.56 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:178 Resp: 47312

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.9	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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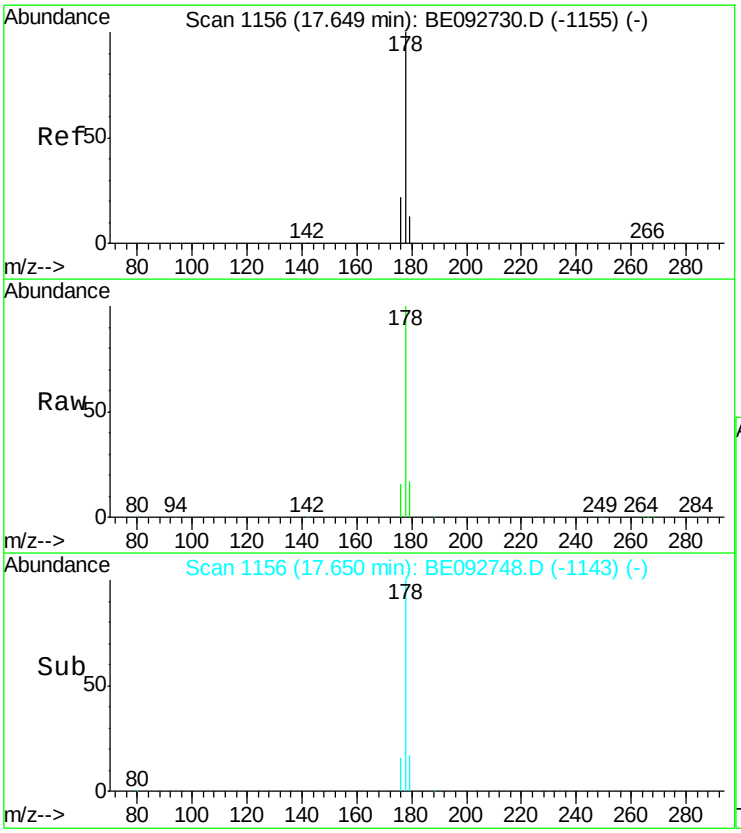
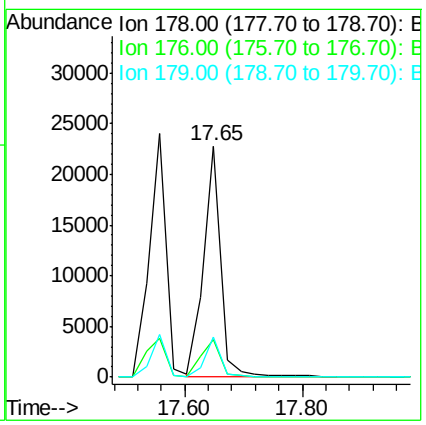
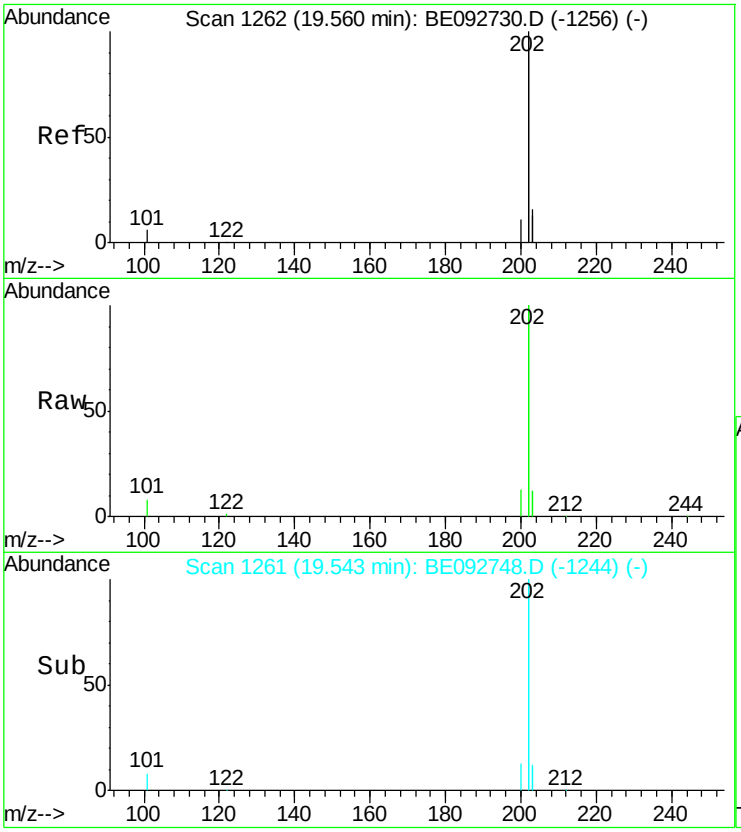


#22
Anthracene
Concen: 3.88 ng
RT: 17.65 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:178 Resp: 45768

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.7	12.2	18.2

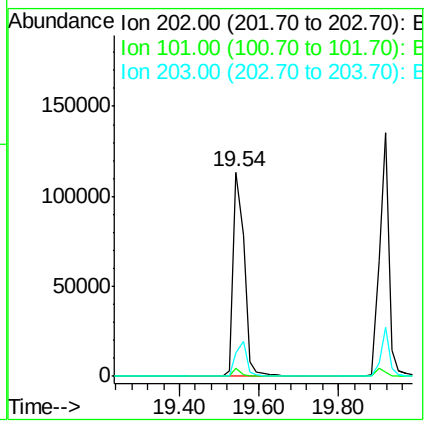




#23
Fluoranthene
Concen: 3.89 ng
RT: 19.54 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:202 Resp: 213917

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.1	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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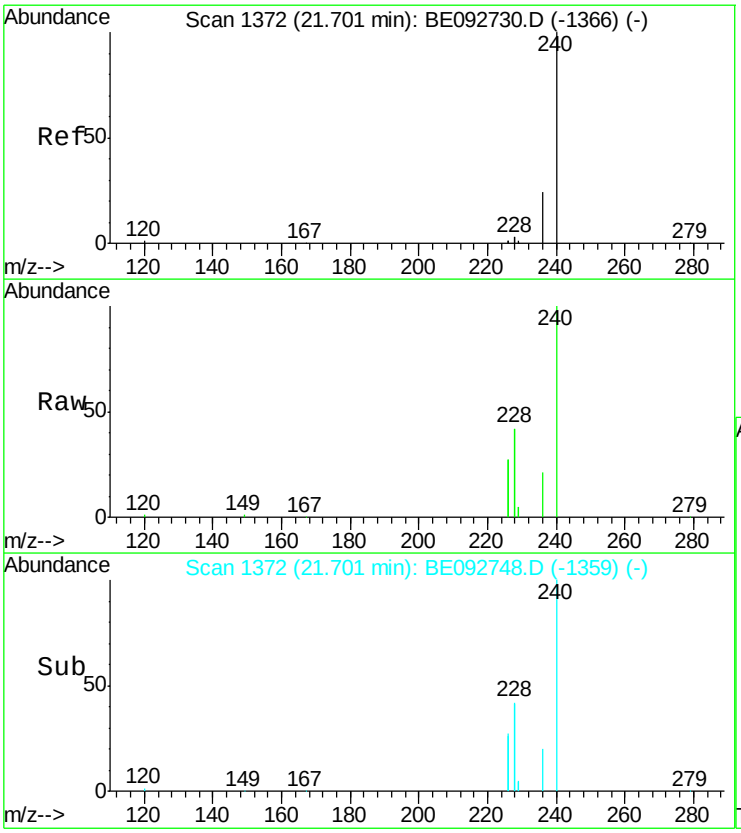
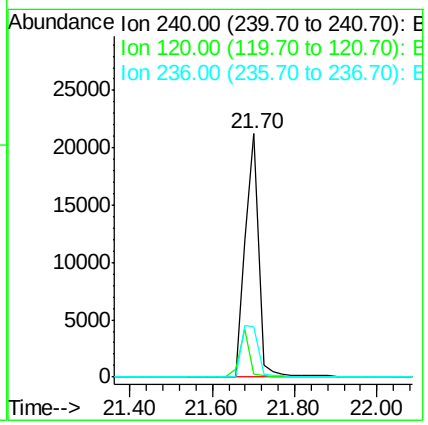
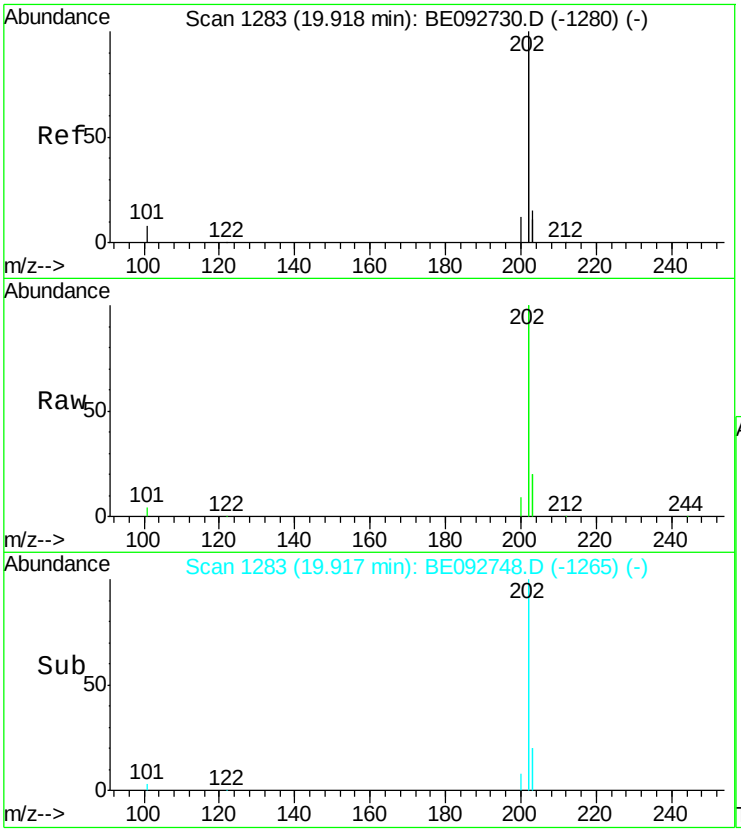


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.70 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:240 Resp: 47699

Ion	Ratio	Lower	Upper
240	100		
120	1.0	2.6	4.0#
236	20.5	24.6	37.0#





#25
Pyrene
Concen: 4.95 ng
RT: 19.92 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:202 Resp: 224790

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	18.2	13.9	20.9

Instrument :
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ClientSampleId :
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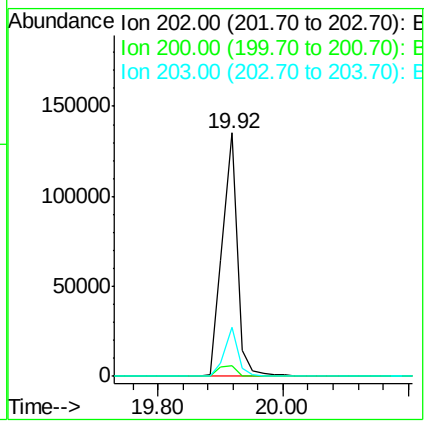
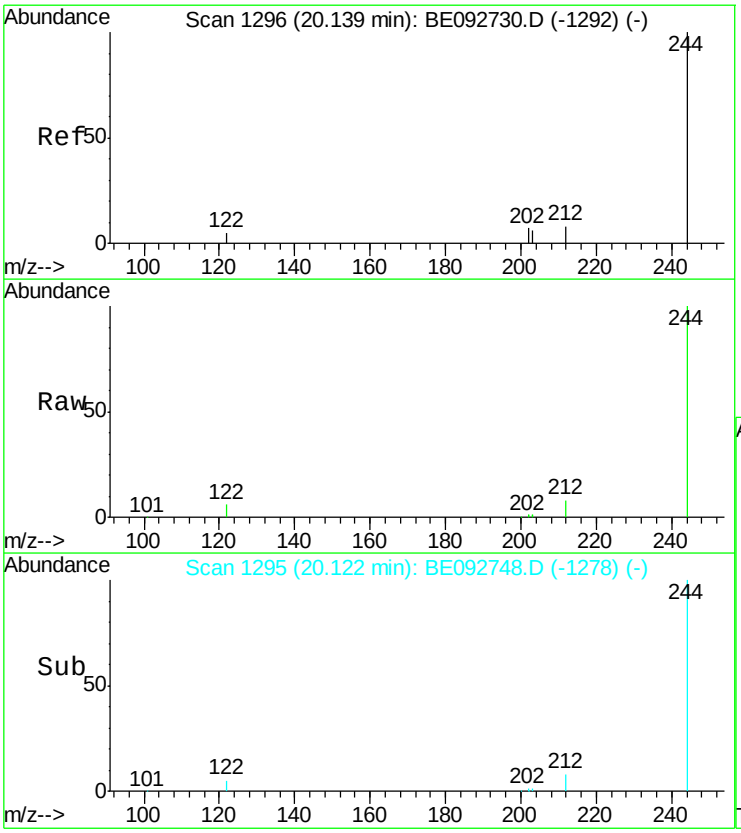
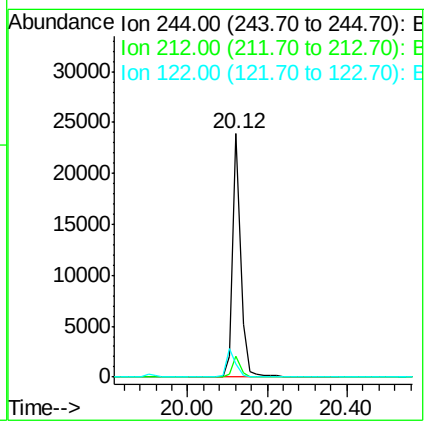


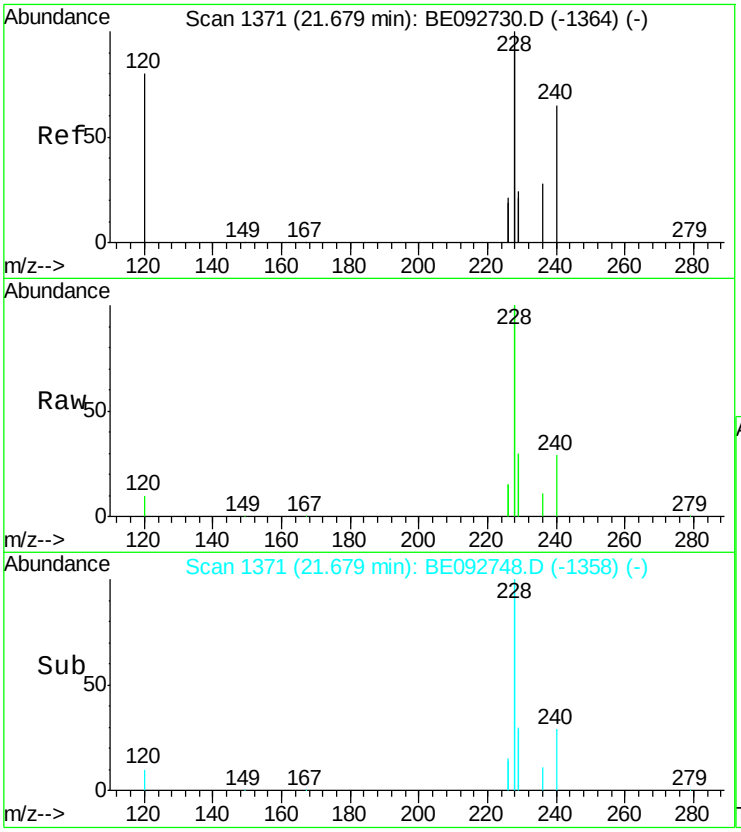


#26
Terphenyl-d14
Concen: 5.42 ng
RT: 20.12 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:244 Resp: 33025

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.7	10.1
122	5.6	3.6	5.4#





#27
Benzo(a)anthracene
Concen: 4.72 ng
RT: 21.68 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:228 Resp: 218281

Ion	Ratio	Lower	Upper
228	100		
226	14.9	23.6	35.4#
229	29.9	13.3	19.9#

Instrument :
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ClientSampleId :
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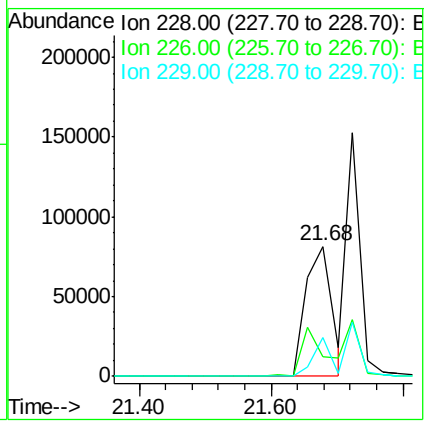
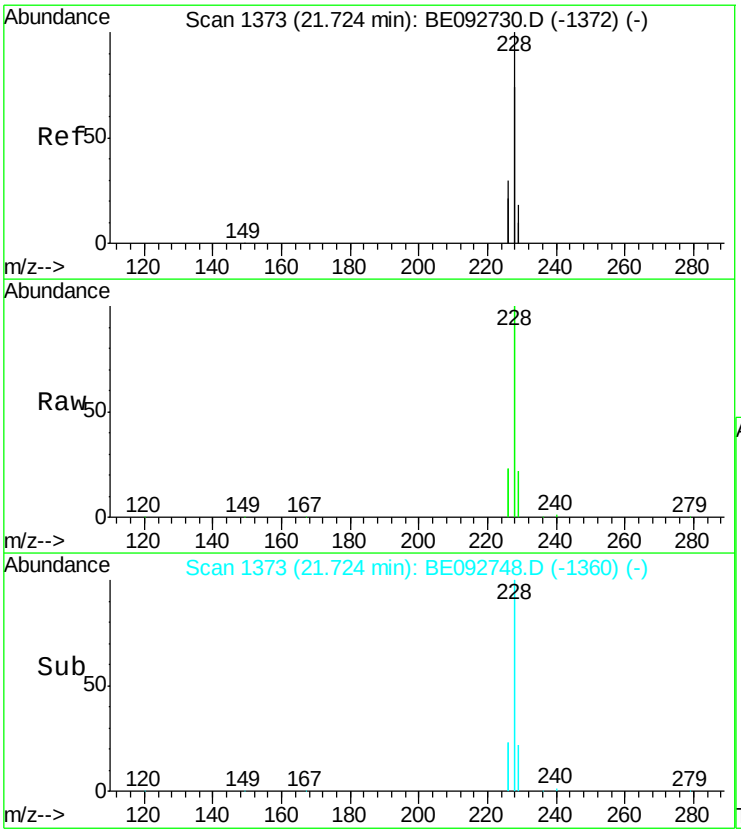
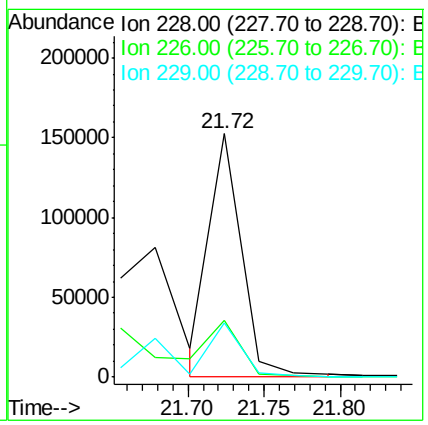


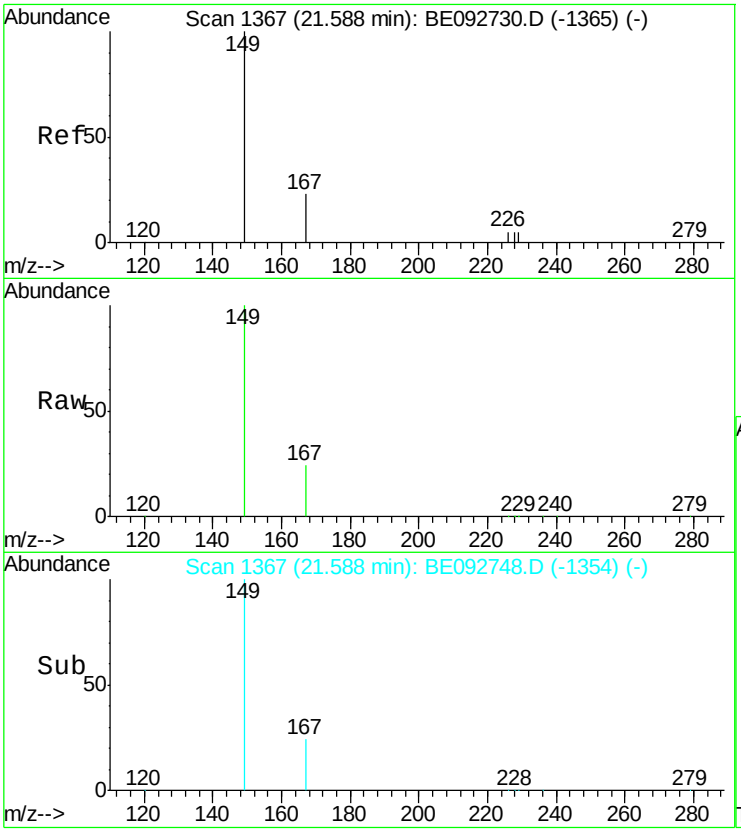


#28
Chrysene
Concen: 4.12 ng m
RT: 21.72 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:228 Resp: 226329

Ion	Ratio	Lower	Upper
228	100		
226	23.2	36.3	54.5#
229	22.1	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 5.63 ng
RT: 21.59 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Instrument :
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ClientSampleId :
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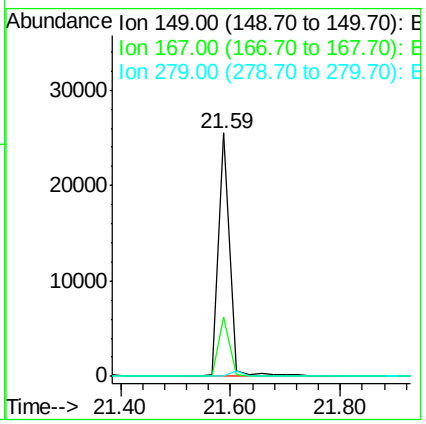
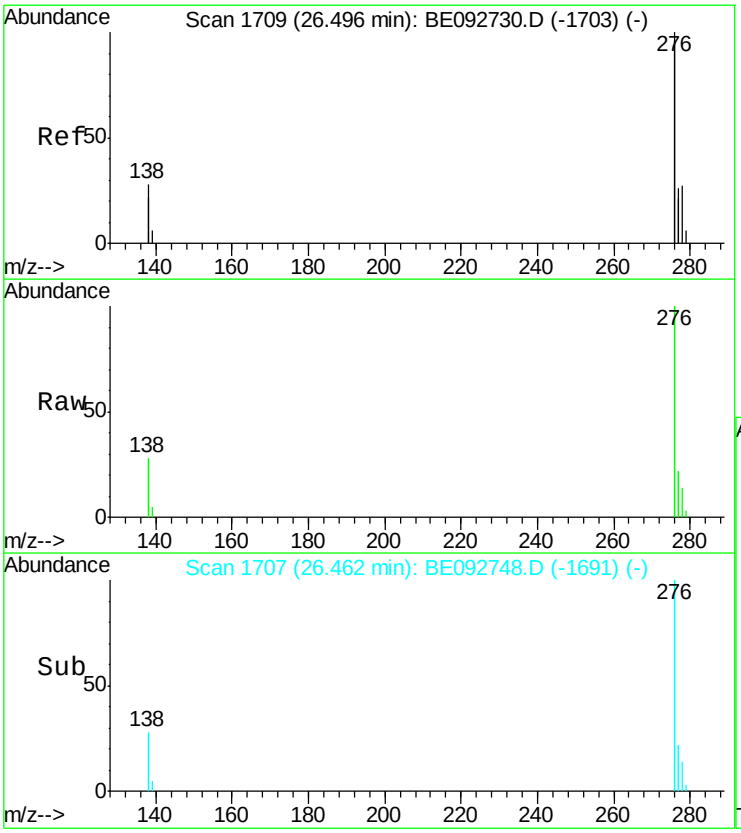
Tgt Ion:149 Resp: 36029

Ion	Ratio	Lower	Upper
149	100		
167	24.3	16.0	24.0#
279	0.0	16.0	24.0#

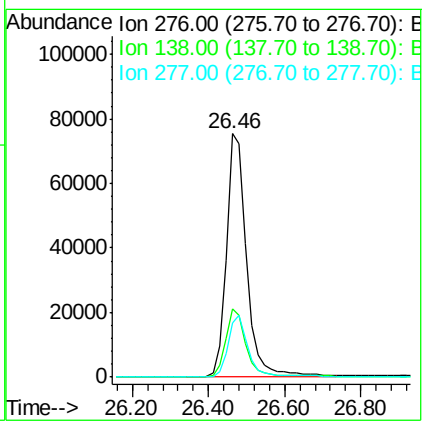


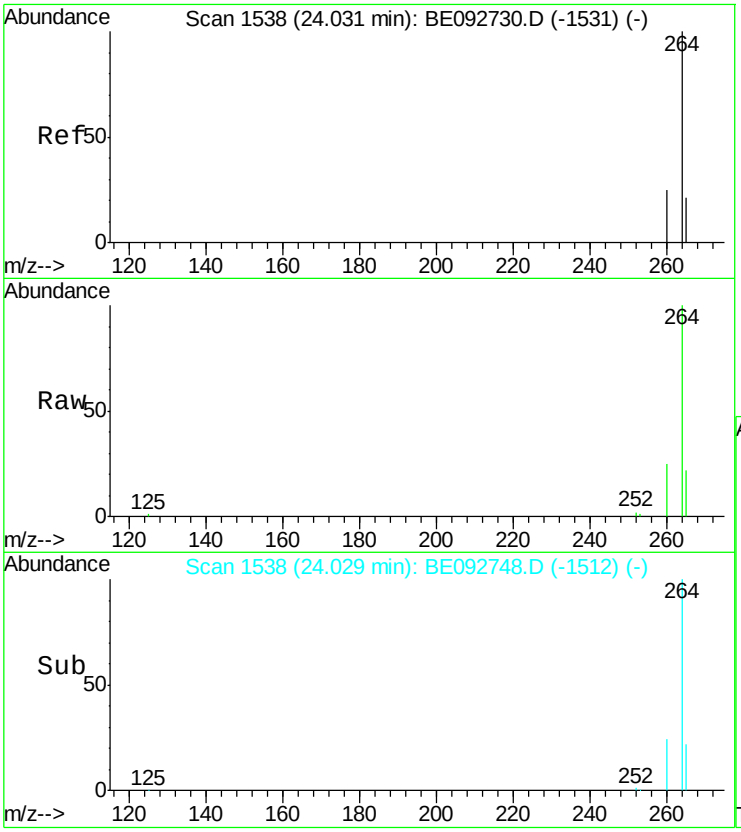


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.89 ng
RT: 26.46 min Scan# 1707
Delta R.T. -0.03 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:276 Resp: 278340

Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.3	30.5
277	24.8	19.7	29.5

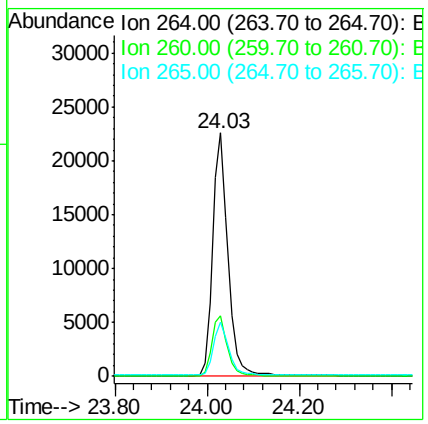




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.03 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:264 Resp: 51992

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.1	30.1
265	22.1	17.9	26.9



Instrument :
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ClientSampleId :
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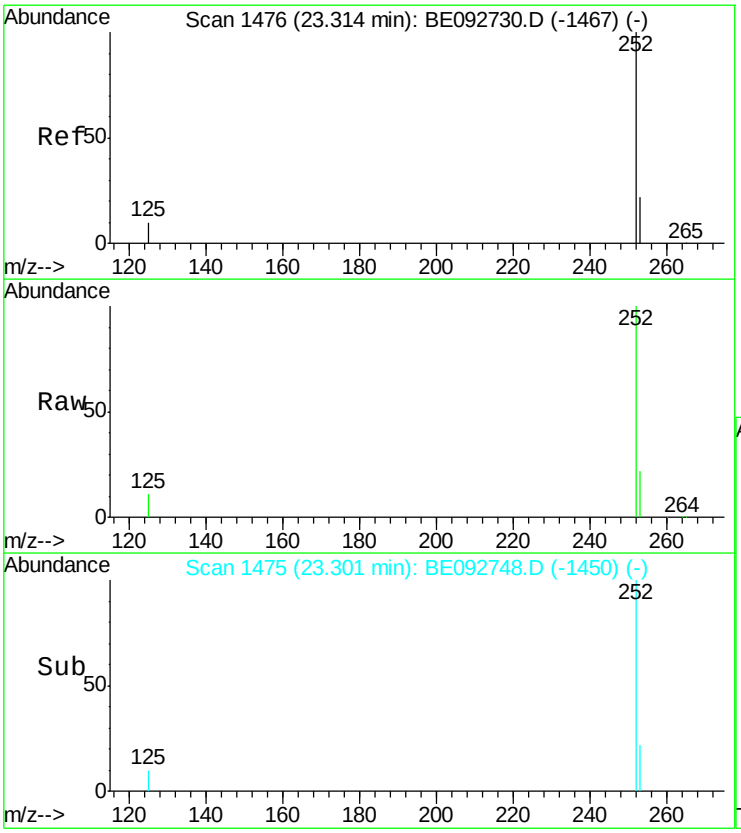
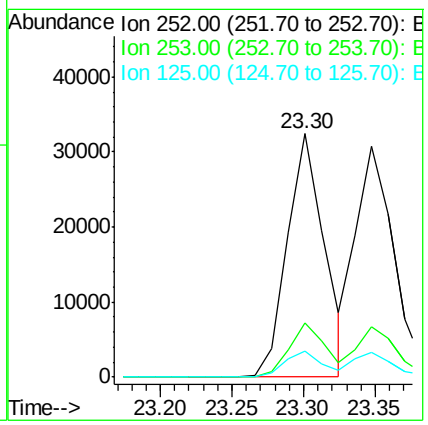
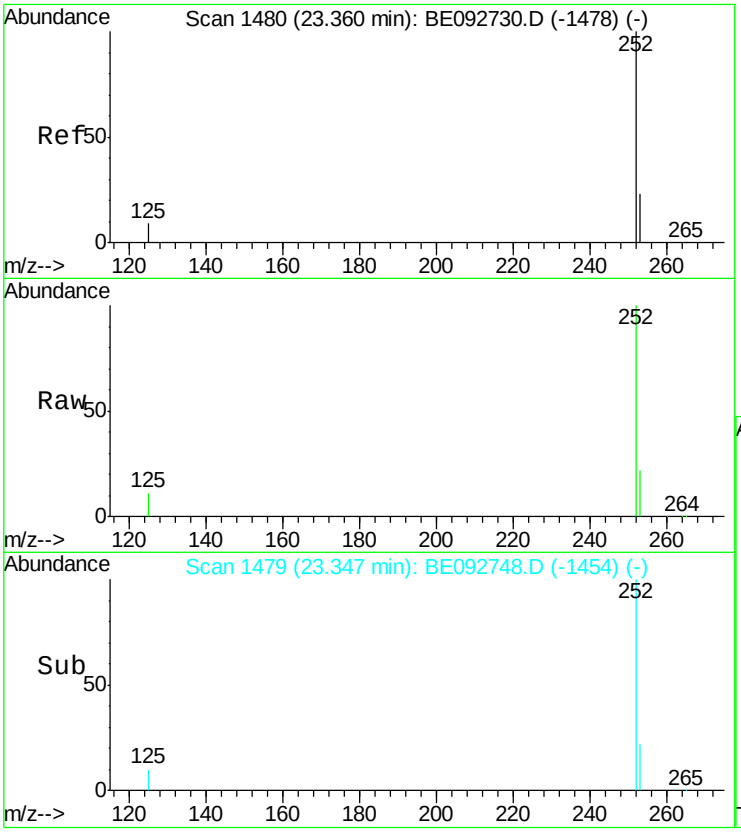


#32
Benzo(b)fluoranthene
Concen: 4.25 ng
RT: 23.30 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:252 Resp: 57951

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	10.5	10.5	15.7

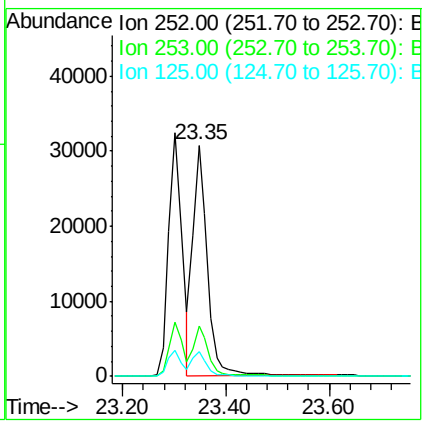




#33
Benzo(k)fluoranthene
Concen: 4.11 ng
RT: 23.35 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:252 Resp: 59706

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.3	30.5
125	10.7	9.6	14.4



Instrument :
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ClientSampleId :
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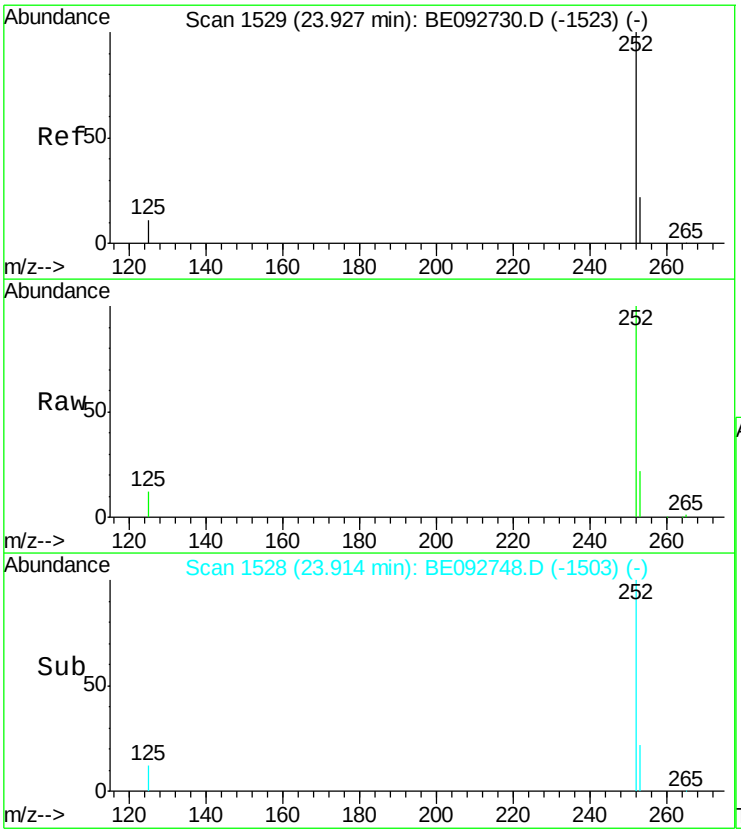
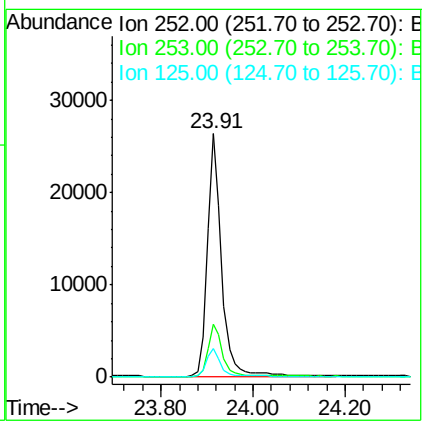
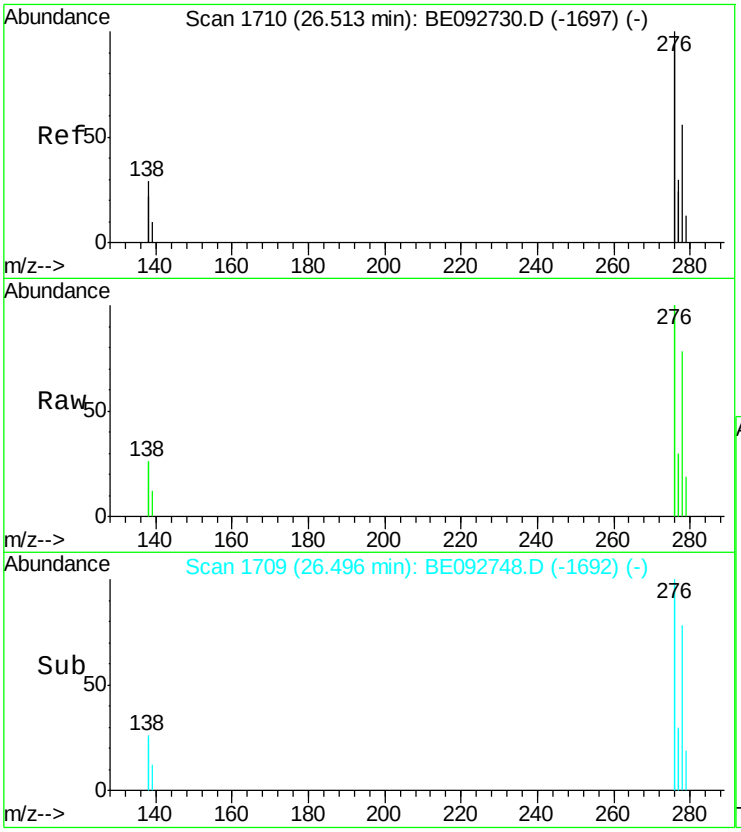


#34
Benzo(a)pyrene
Concen: 4.24 ng
RT: 23.91 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:252 Resp: 56707

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.0	28.6
125	11.8	11.8	17.8

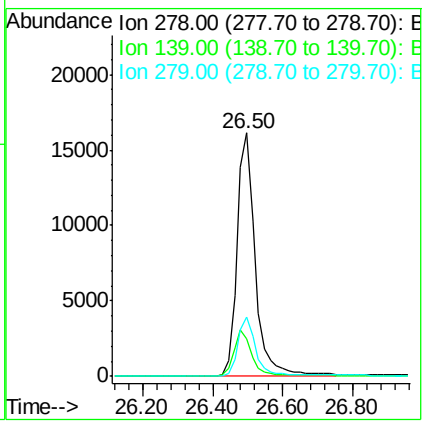




#35
Dibenzo(a,h)anthracene
Concen: 4.38 ng
RT: 26.50 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:278 Resp: 57528

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.8	20.8
279	24.2	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
PB97065BS

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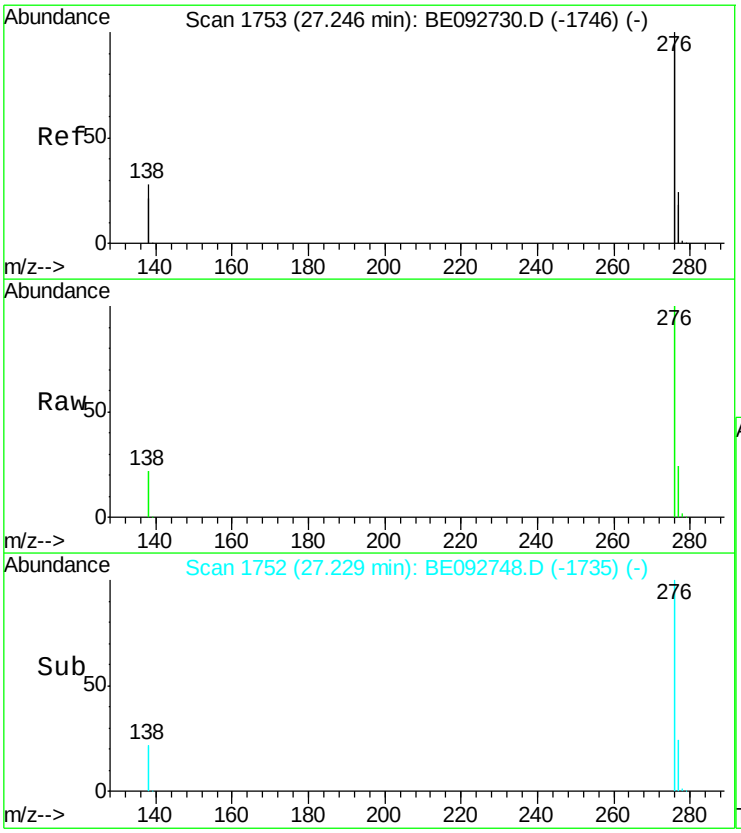

#36
Benzo(g,h,i)perylene
Concen: 4.40 ng
RT: 27.23 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BE092748.D
Acq: 20 Feb 2017 15:22

Tgt Ion:276 Resp: 239831

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	22.1	19.8	29.6