Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
Data File : BE092359.D
Acq On : 9 Sep 2016 17:47
Operator : UM/SJ
Sample : PB93313BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB93313BSD

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Quant Time: Sep 09 18:58:19 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	12318	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	56082	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	29214	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	58812	5.00	ng		0.00
24) Chrysene-d12	21.75	240	59207	5.00	ng		0.00
31) Perylene-d12	24.10	264	55440	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	23721	8.10	ng		-0.01
5) Phenol-d6	7.33	99	33169	8.49	ng		-0.02
8) Nitrobenzene-d5	9.34	82	14626	3.63	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	7070	7.81	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	31867	3.56	ng		-0.01
26) Terphenyl-d14	20.17	244	35155	4.01	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	5123	3.37	ng	#	86
3) n-Nitrosodimethylamine	3.77	42	7957	4.07	ng	#	99
6) bis(2-Chloroethyl)ether	7.59	93	13660	3.66	ng		91
9) Naphthalene	10.99	128	42506	3.38	ng	#	95
10) Hexachlorobutadiene	11.30	225	6504	3.32	ng		99
11) 2-Methylnaphthalene	12.62	142	29098	3.54	ng		92
15) Acenaphthylene	14.53	152	179418	3.57	ng		100
16) Acenaphthene	14.87	154	26867	3.30	ng		93
17) Fluorene	15.86	166	34178	3.35	ng		98
19) Hexachlorobenzene	16.89	284	9648	3.43	ng	#	64
20) Pentachlorophenol	17.23	266	7188	5.52	ng		85
21) Phenanthrene	17.60	178	59925	3.63	ng	#	94
22) Anthracene	17.70	178	57350	3.90	ng		100
23) Fluoranthene	19.59	202	226384	3.14	ng		99
25) Pyrene	19.97	202	238396	4.14	ng		99
27) Benzo(a)anthracene	21.72	228	213236	3.34	ng	#	79
28) Chrysene	21.77	228	240147m	4.05	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	33180	4.37	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.58	276	256586	3.81	ng		99
32) Benzo(b)fluoranthene	23.37	252	54499	3.83	ng	#	96
33) Benzo(k)fluoranthene	23.42	252	51001	3.39	ng		94
34) Benzo(a)pyrene	23.98	252	51212	3.65	ng		94
35) Dibenzo(a,h)anthracene	26.62	278	53830	4.15	ng	#	93
36) Benzo(g,h,i)perylene	27.35	276	222135	4.06	ng		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
Data File : BE092359.D
Acq On : 9 Sep 2016 17:47
Operator : UM/SJ
Sample : PB93313BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 18:58:19 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB93313BSD

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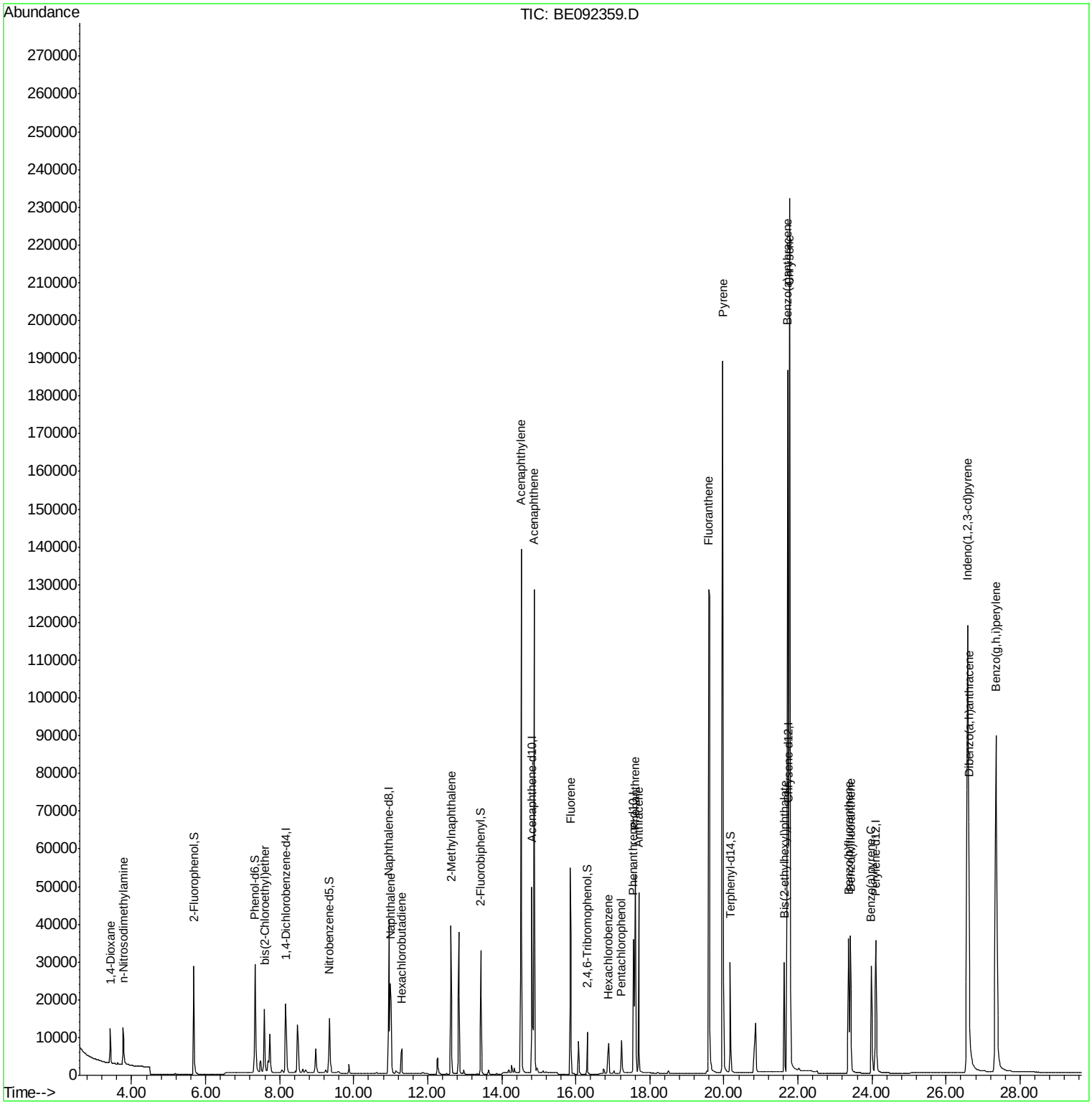
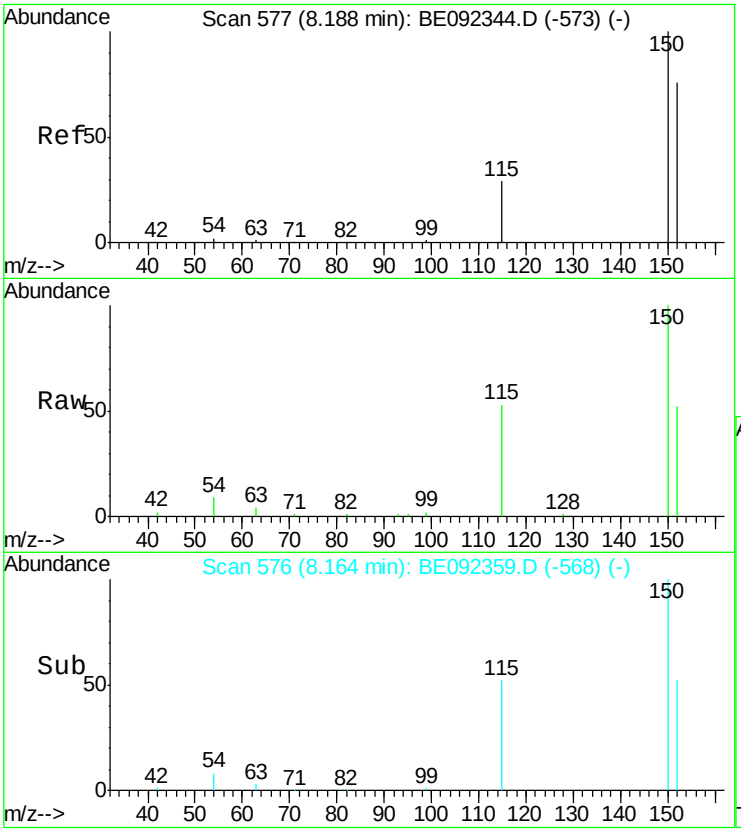
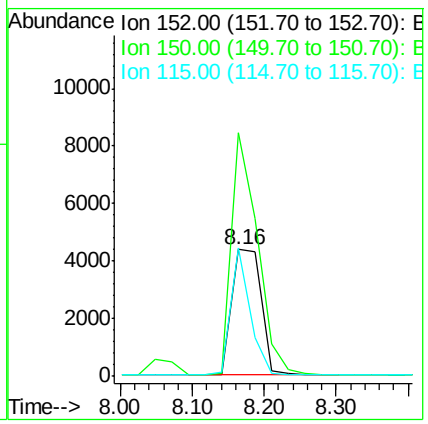




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:152 Resp: 12318

Ion	Ratio	Lower	Upper
152	100		
150	192.0	106.0	159.0#
115	101.2	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
PB93313BSD

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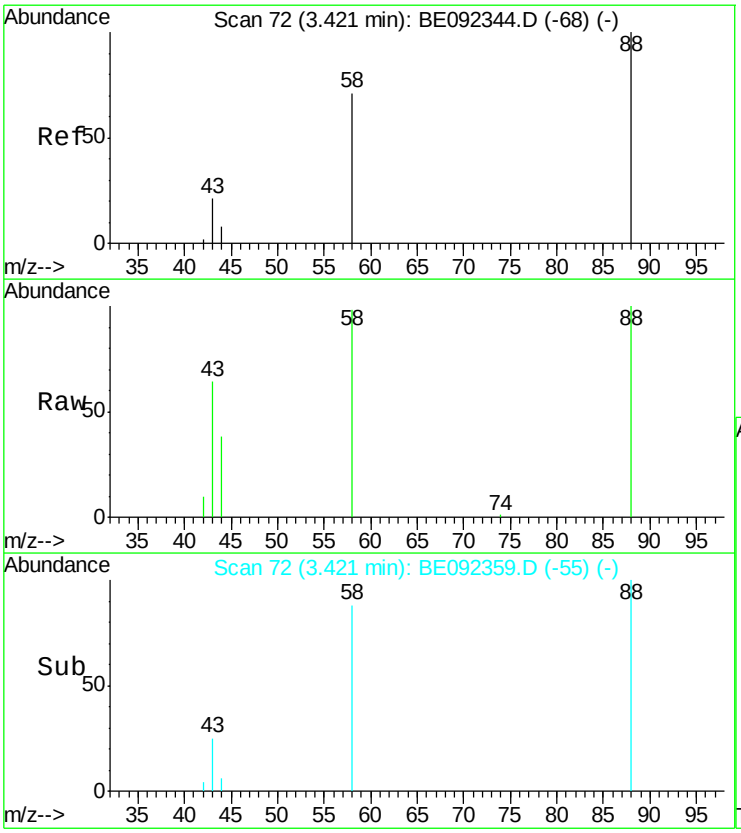
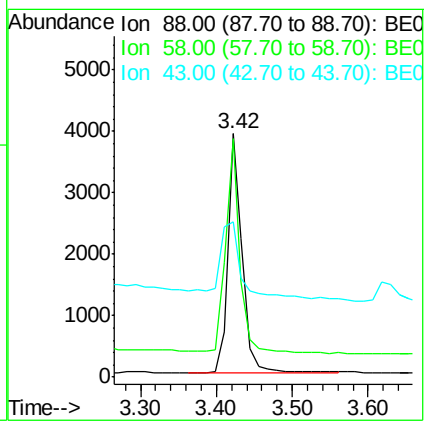
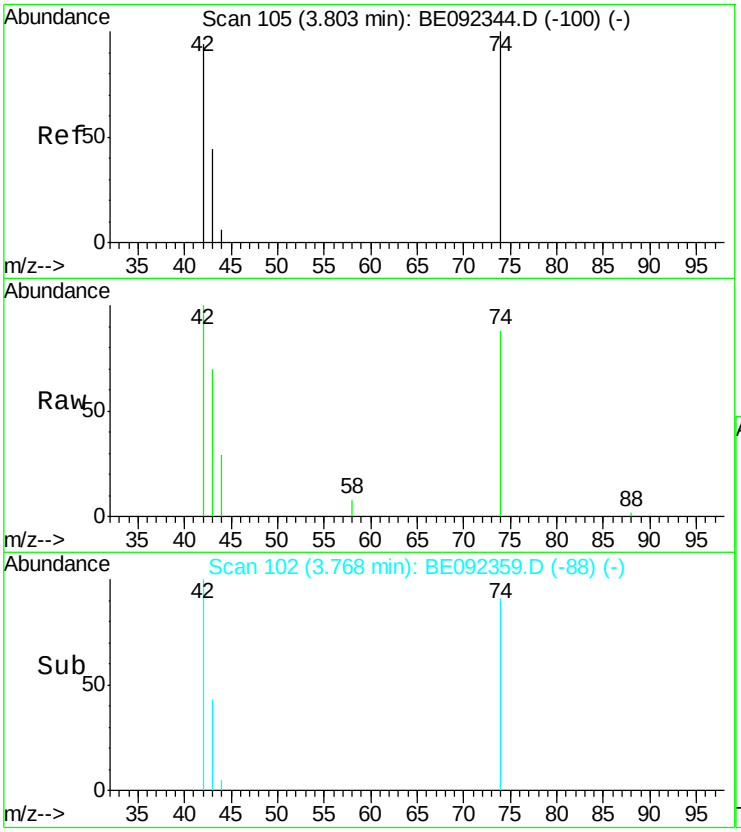


#2
1,4-Dioxane
Concen: 3.37 ng
RT: 3.42 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion: 88 Resp: 5123

Ion	Ratio	Lower	Upper
88	100		
58	90.4	63.6	95.4
43	44.9	28.0	42.0#

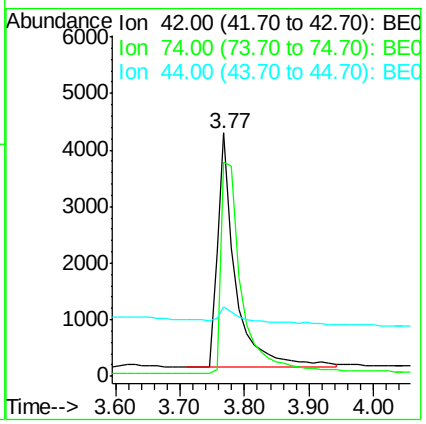




#3
n-Nitrosodimethylamine
Concen: 4.07 ng
RT: 3.77 min Scan# 102
Delta R.T. -0.03 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion: 42 Resp: 7957

Ion	Ratio	Lower	Upper
42	100		
74	106.8	86.0	129.0
44	10.1	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB93313BSD

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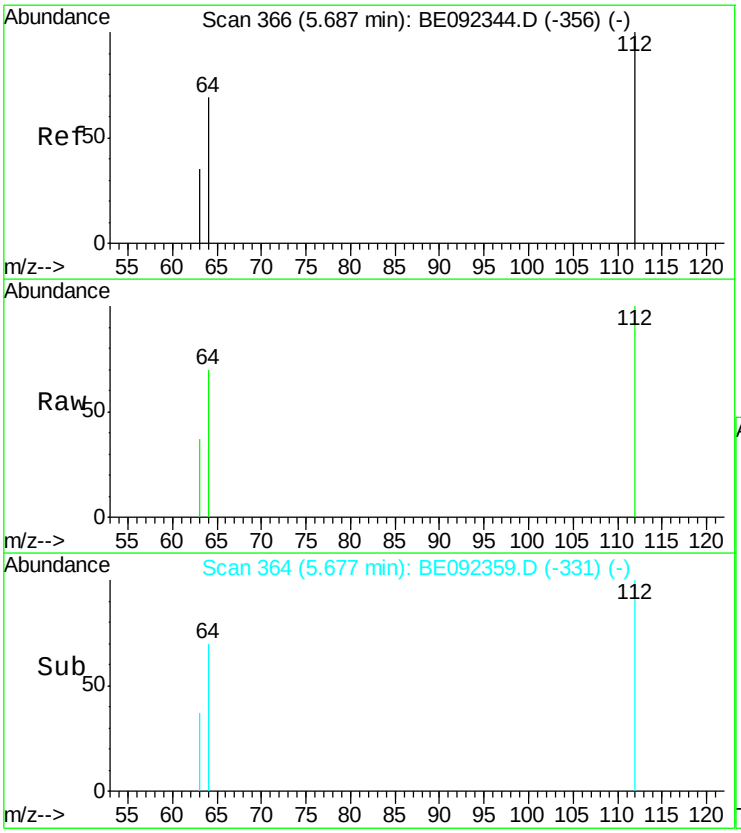
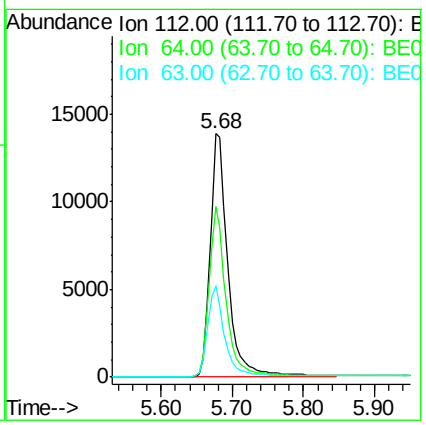
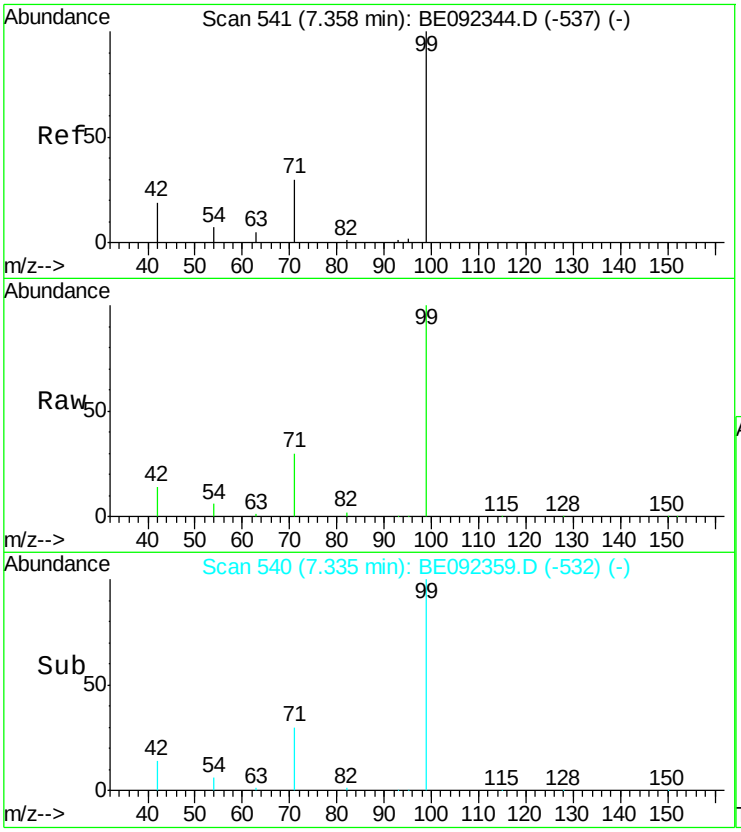


#4
2-Fluorophenol
Concen: 8.10 ng
RT: 5.68 min Scan# 364
Delta R.T. -0.01 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:112 Resp: 23721

Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.5	80.3
63	35.9	27.9	41.9

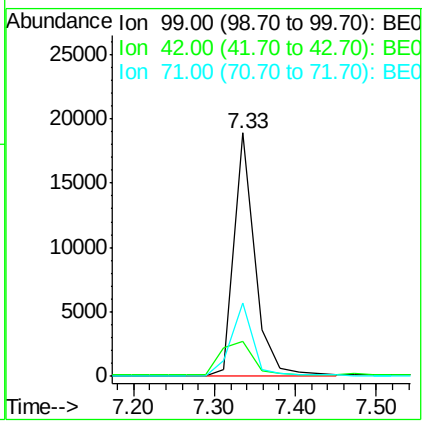




#5
Phenol-d6
Concen: 8.49 ng
RT: 7.33 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion: 99 Resp: 33169

Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.0	24.0
71	32.3	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
PB93313BSD

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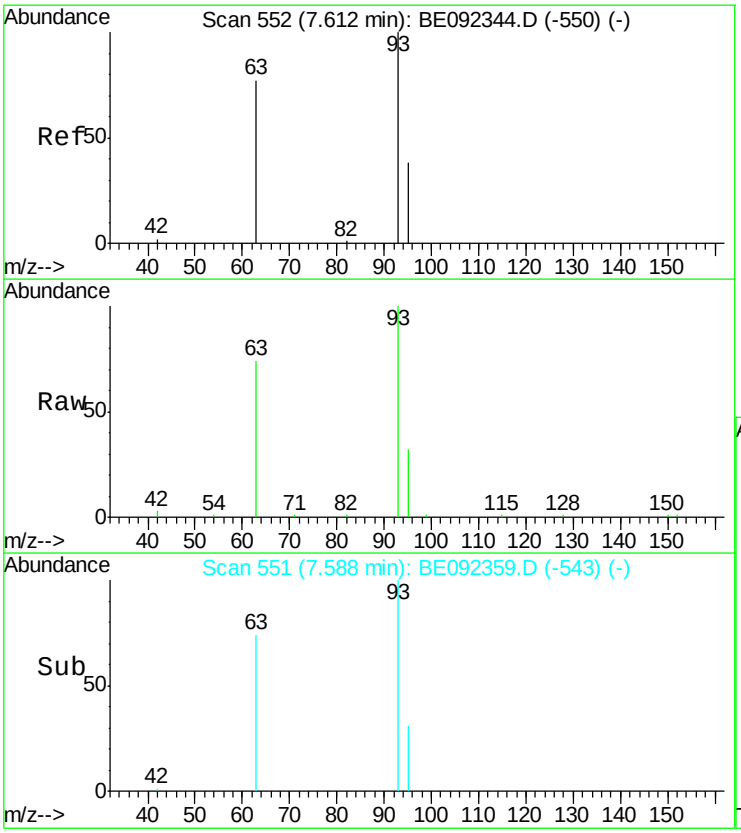
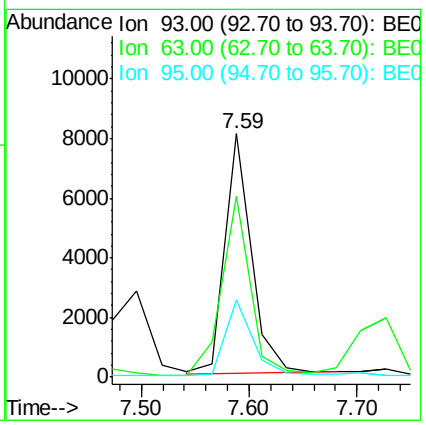
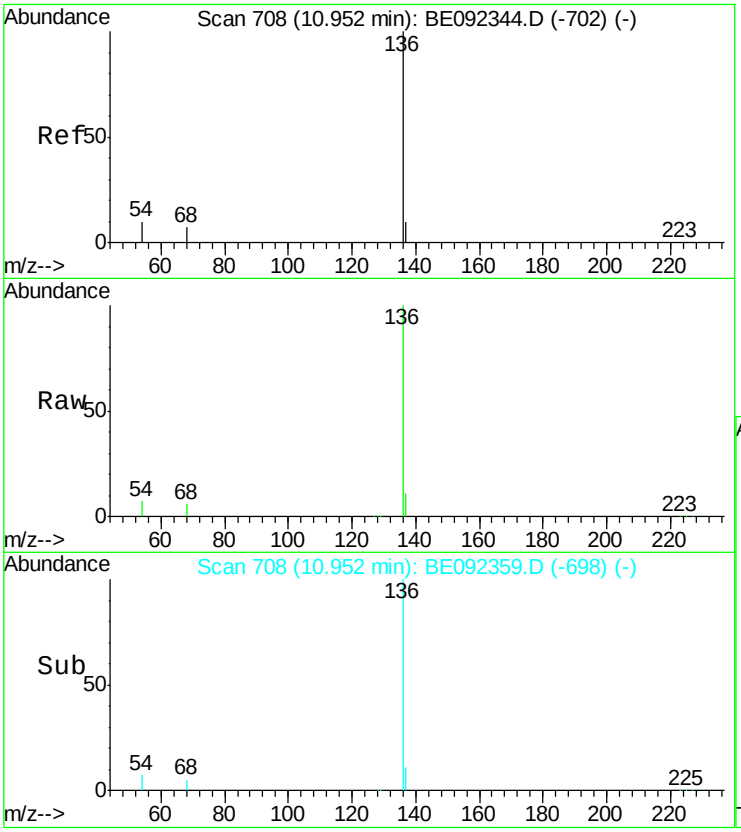


#6
bis(2-Chloroethyl)ether
Concen: 3.66 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion: 93 Resp: 13660

Ion	Ratio	Lower	Upper
93	100		
63	80.4	71.6	107.4
95	33.4	24.0	36.0

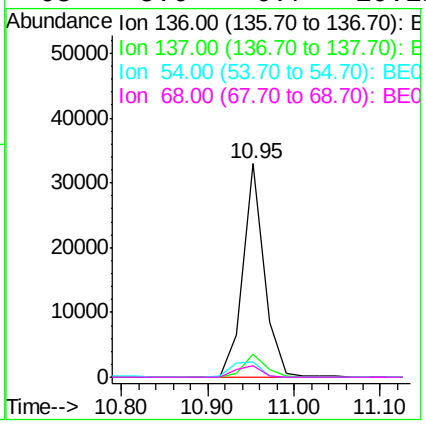




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:136 Resp: 56082

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	7.4	9.6	14.4#
68	5.6	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB93313BSD

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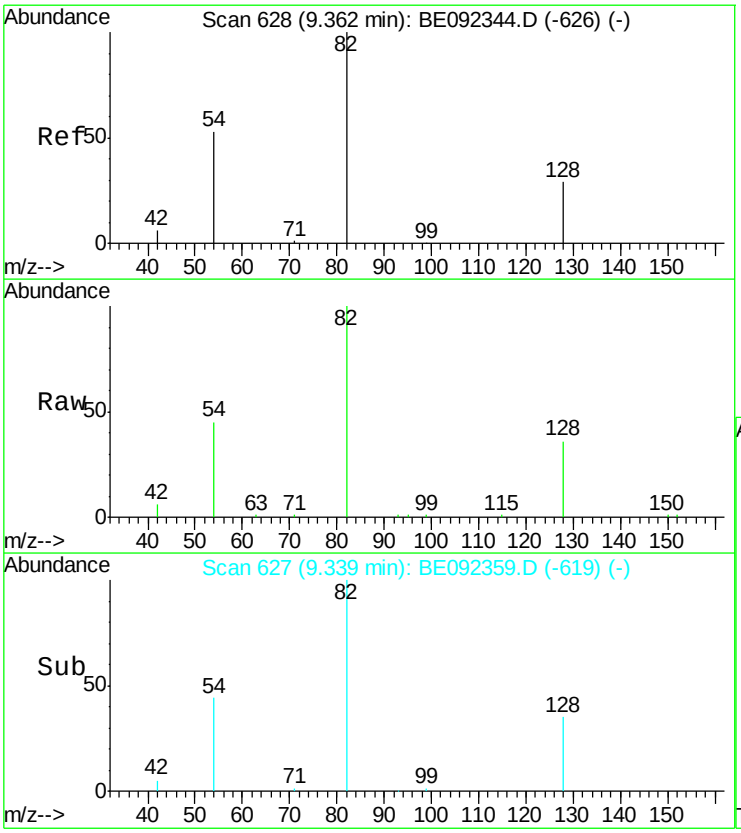
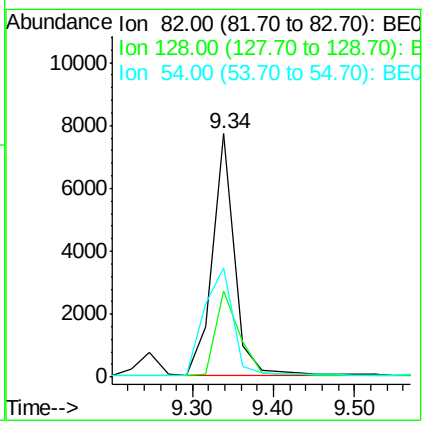
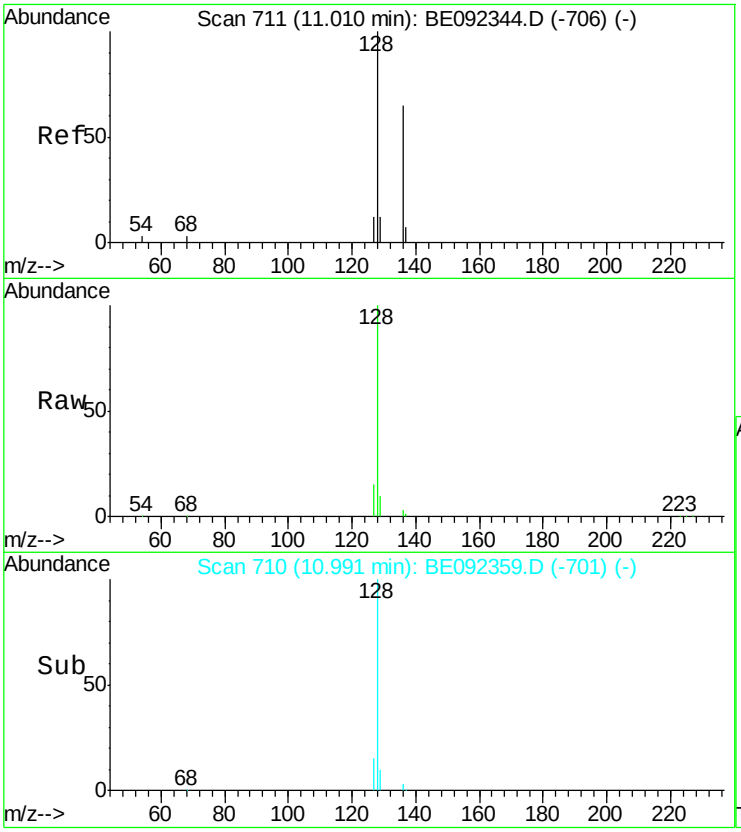


#8
Nitrobenzene-d5
Concen: 3.63 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion: 82 Resp: 14626

Ion	Ratio	Lower	Upper
82	100		
128	35.6	39.0	58.4#
54	44.7	44.8	67.2#

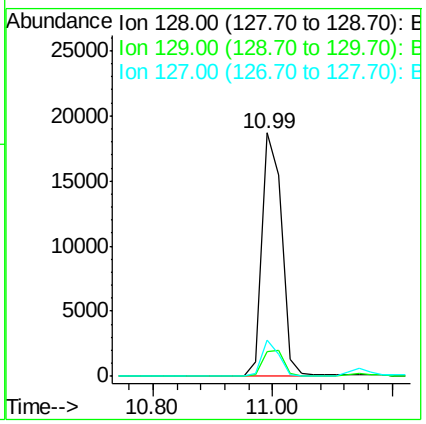




#9
Naphthalene
Concen: 3.38 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:128 Resp: 42506

Ion	Ratio	Lower	Upper
128	100		
129	10.1	11.2	16.8#
127	14.8	11.6	17.4



Instrument :
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ClientSampleId :
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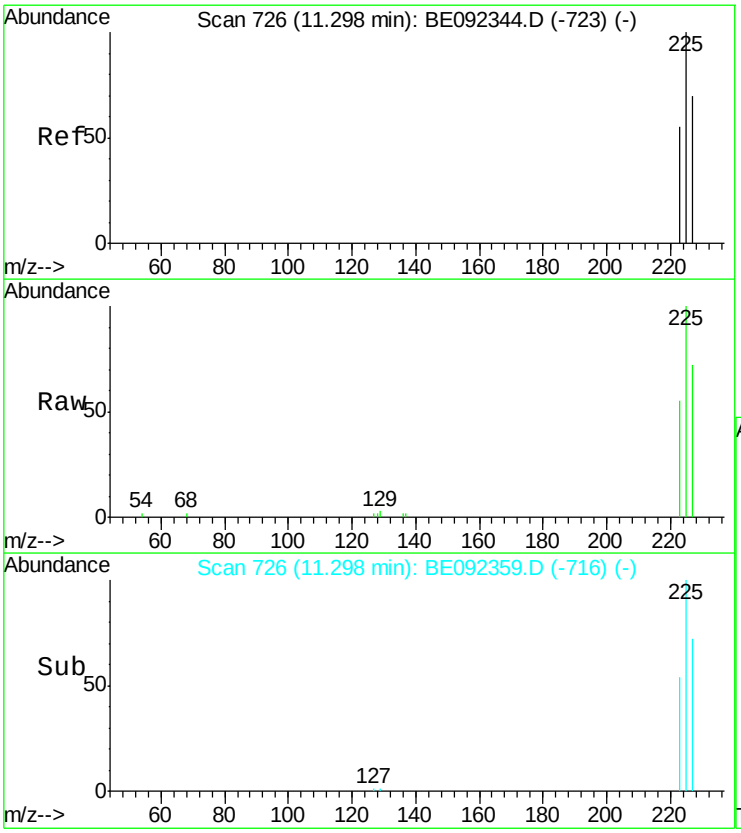
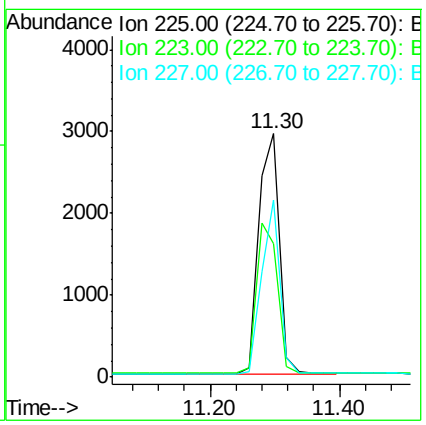
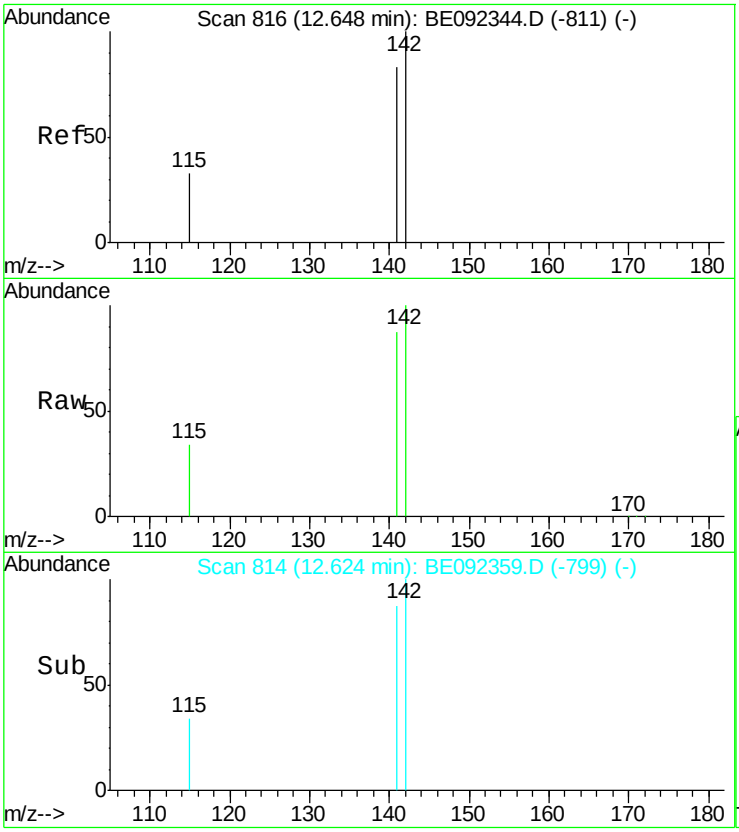


#10
Hexachlorobutadiene
Concen: 3.32 ng
RT: 11.30 min Scan# 726
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:225 Resp: 6504

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	76.0
227	63.6	51.4	77.0

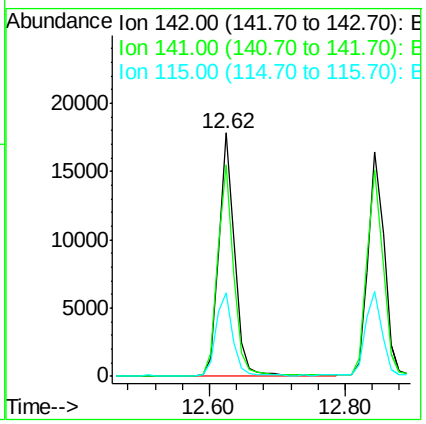




#11
2-Methylnaphthalene
Concen: 3.54 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:142 Resp: 29098

Ion	Ratio	Lower	Upper
142	100		
141	86.9	73.7	110.5
115	34.2	34.0	51.0



Instrument :
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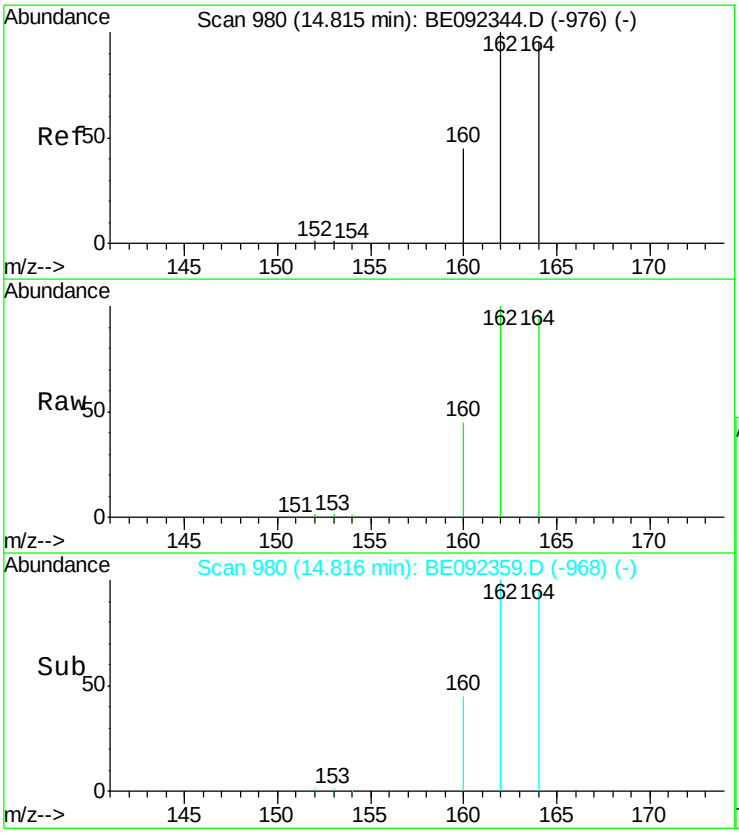
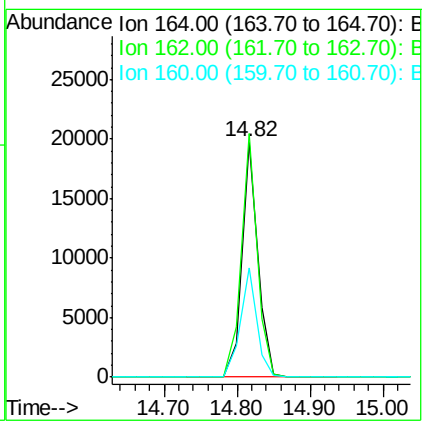
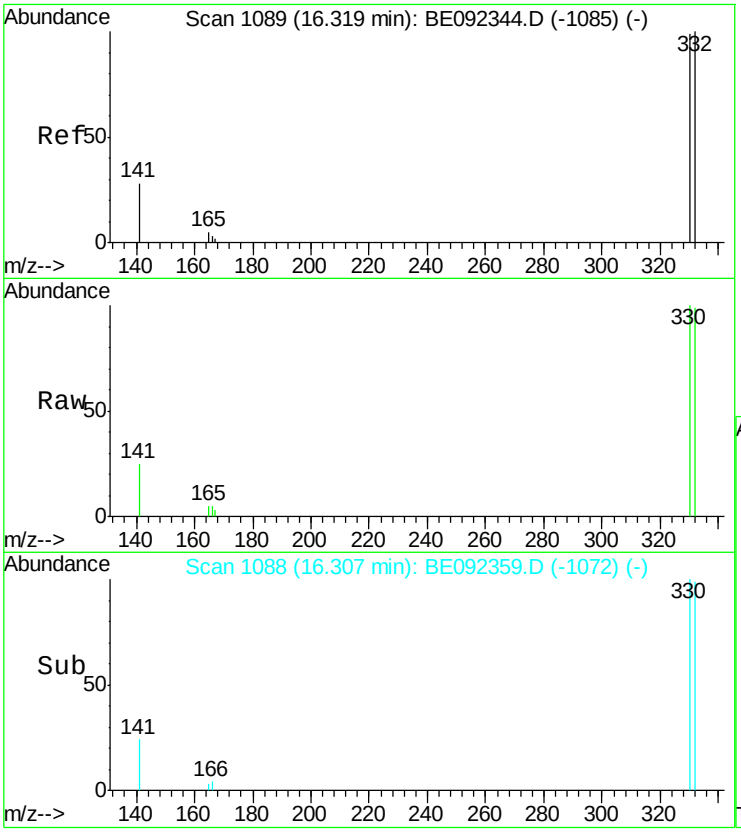


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:164 Resp: 29214

Ion	Ratio	Lower	Upper
164	100		
162	103.7	71.4	107.0
160	46.6	27.4	41.2#

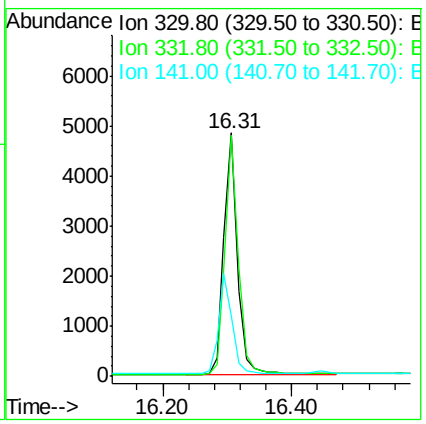




#13
2,4,6-Tribromophenol
Concen: 7.81 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:330 Resp: 7070

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.4	113.0
141	41.7	31.0	46.6



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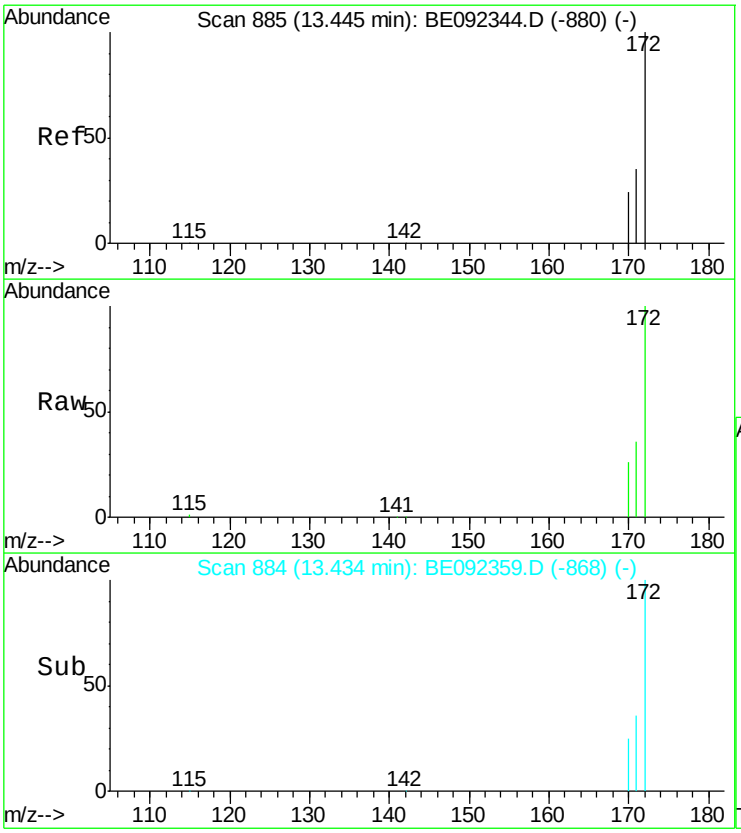
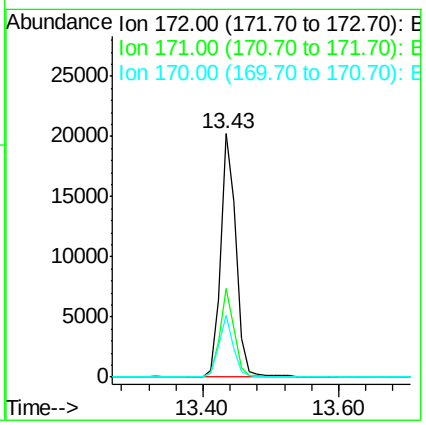
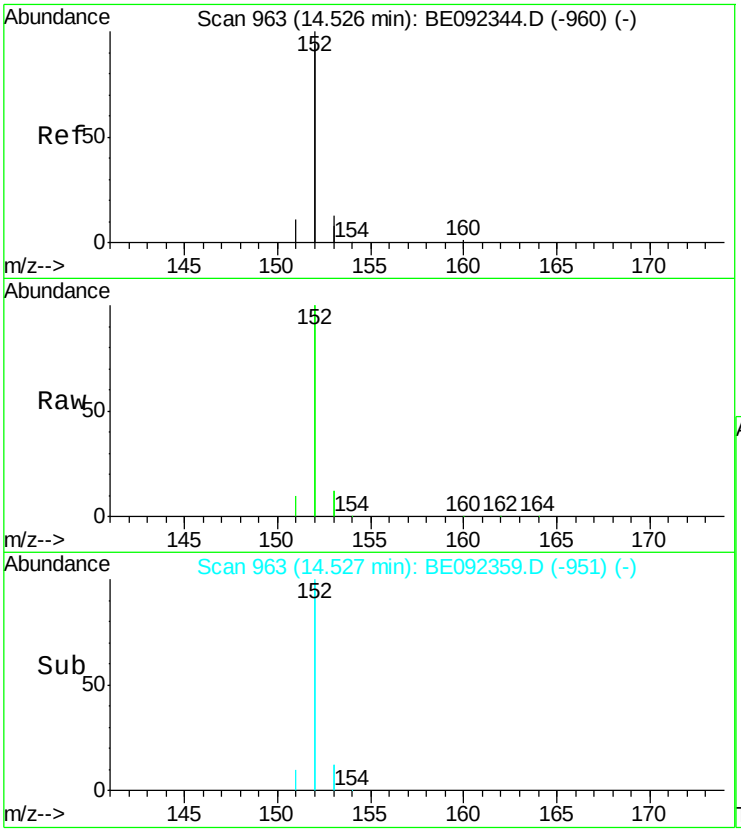


#14
2-Fluorobiphenyl
Concen: 3.56 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:172 Resp: 31867

Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	25.5	21.8	32.6

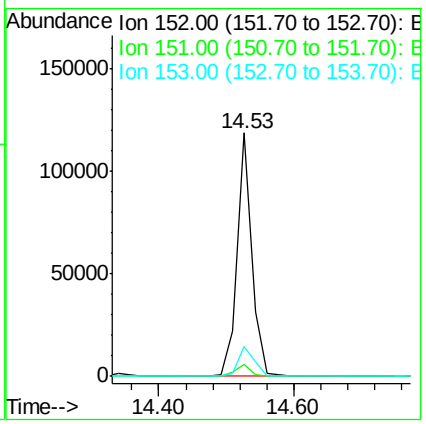




#15
Acenaphthylene
Concen: 3.57 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:152 Resp: 179418

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



Instrument :
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ClientSampleId :
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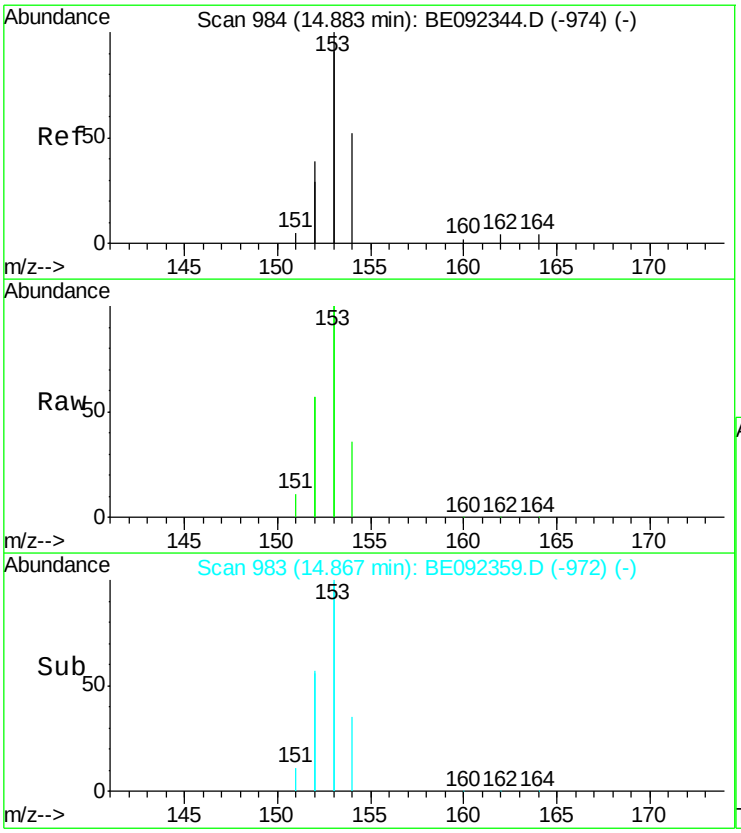
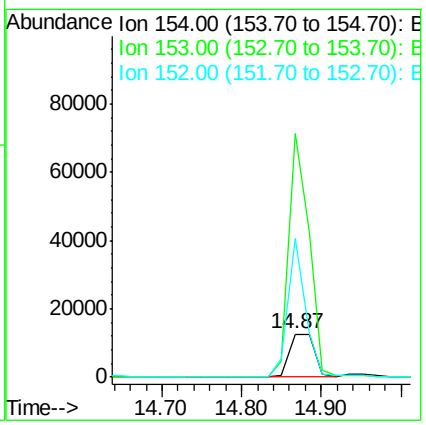
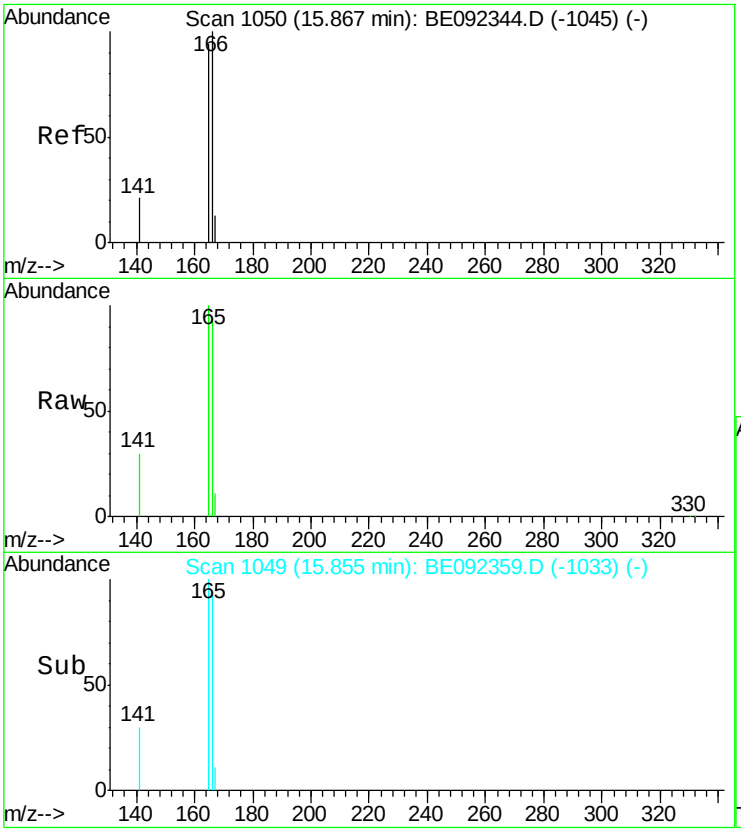


#16
Acenaphthene
Concen: 3.30 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:154 Resp: 26867

Ion	Ratio	Lower	Upper
154	100		
153	456.8	350.8	526.2
152	225.3	171.1	256.7





#17
Fluorene
Concen: 3.35 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:166 Resp: 34178

Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.2	117.4
167	13.4	11.0	16.4

Instrument :
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ClientSampleId :
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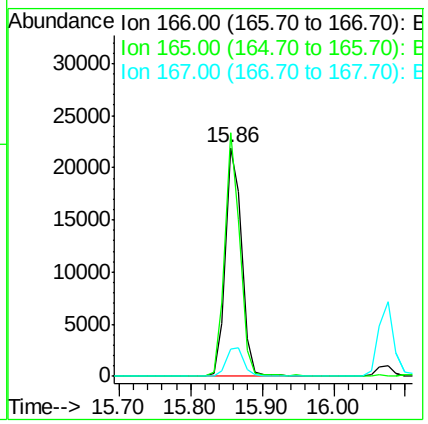
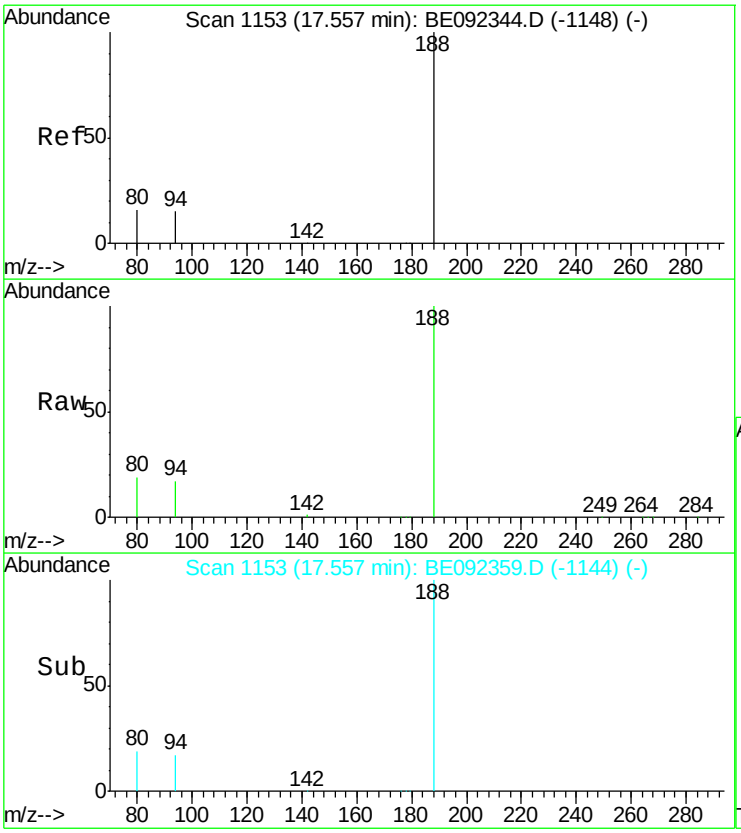
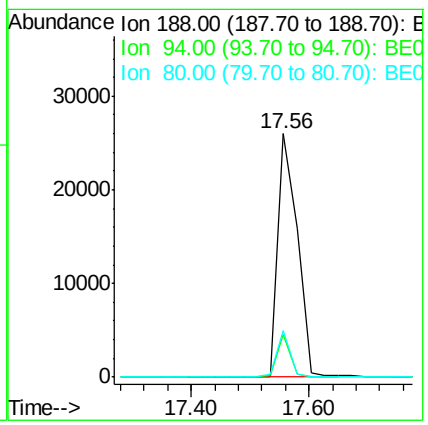


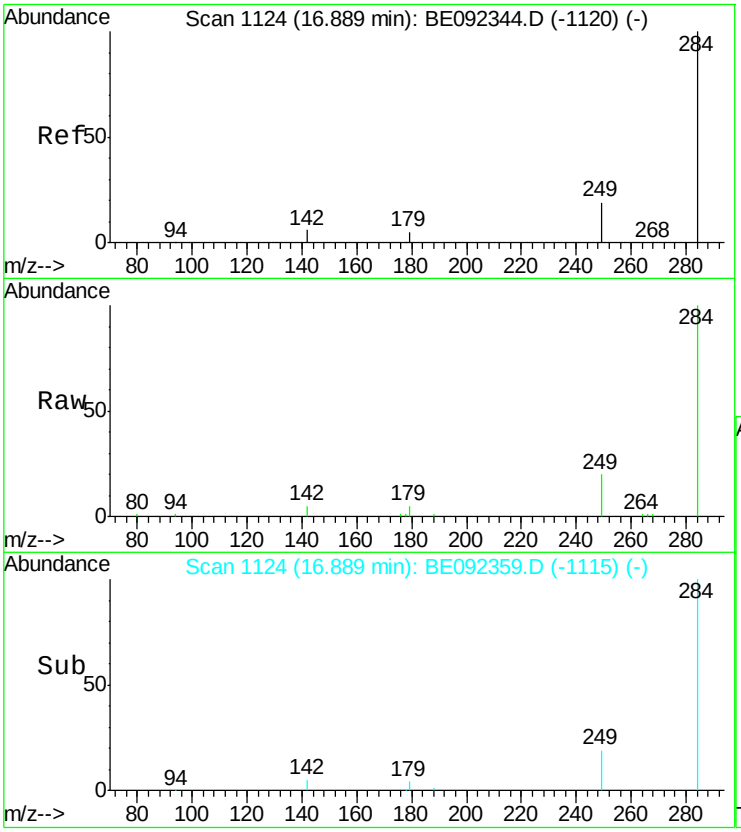


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:188 Resp: 58812

Ion	Ratio	Lower	Upper
188	100		
94	17.4	3.2	4.8#
80	18.9	2.6	3.8#

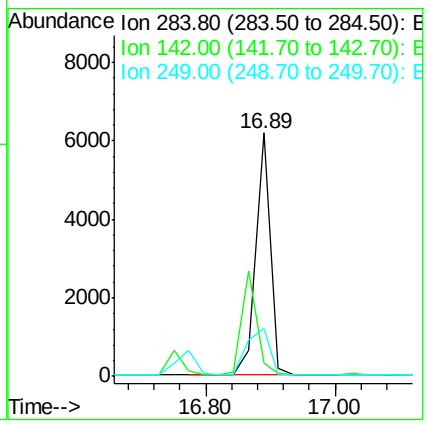




#19
Hexachlorobenzene
Concen: 3.43 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:284 Resp: 9648

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.7	27.9	41.9



Instrument :
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ClientSampleId :
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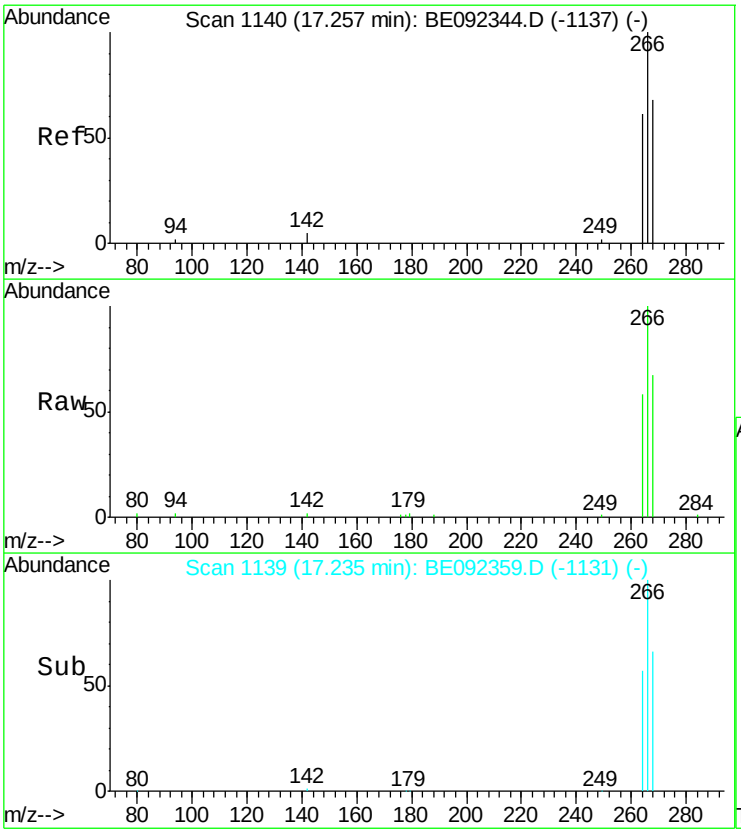
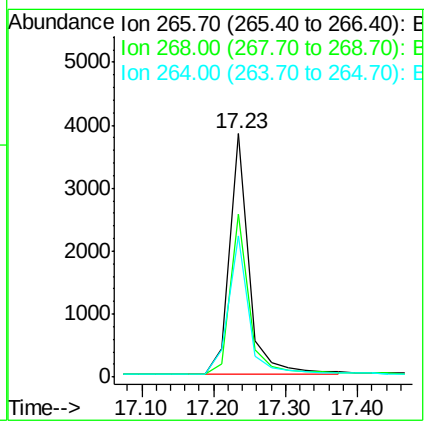
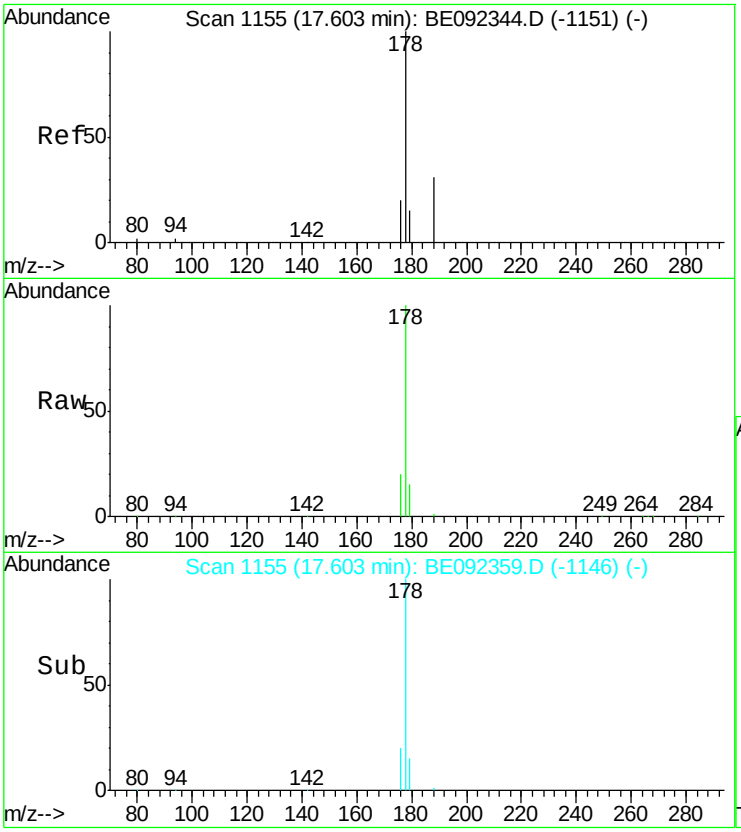


#20
Pentachlorophenol
Concen: 5.52 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:266 Resp: 7188

Ion	Ratio	Lower	Upper
266	100		
268	66.7	62.5	93.7
264	57.9	57.2	85.8

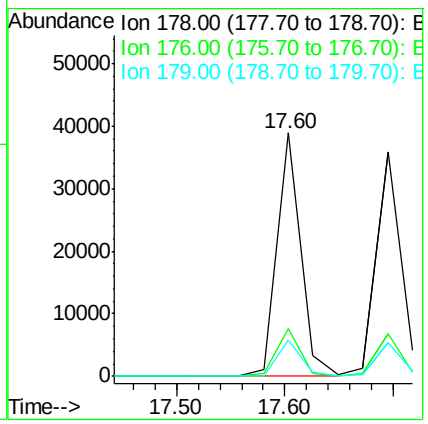




#21
Phenanthrene
Concen: 3.63 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:178 Resp: 59925

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	16.0	24.0#



Instrument :
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ClientSampleId :
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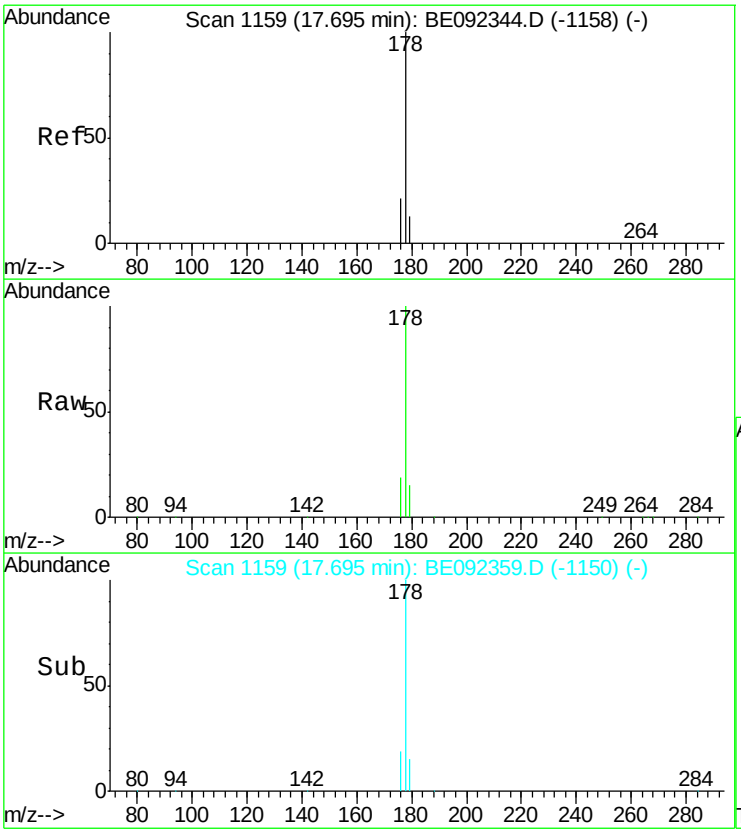
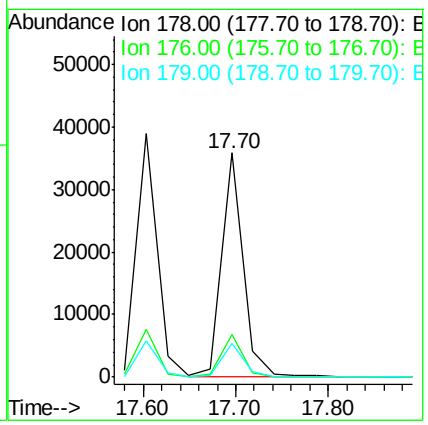
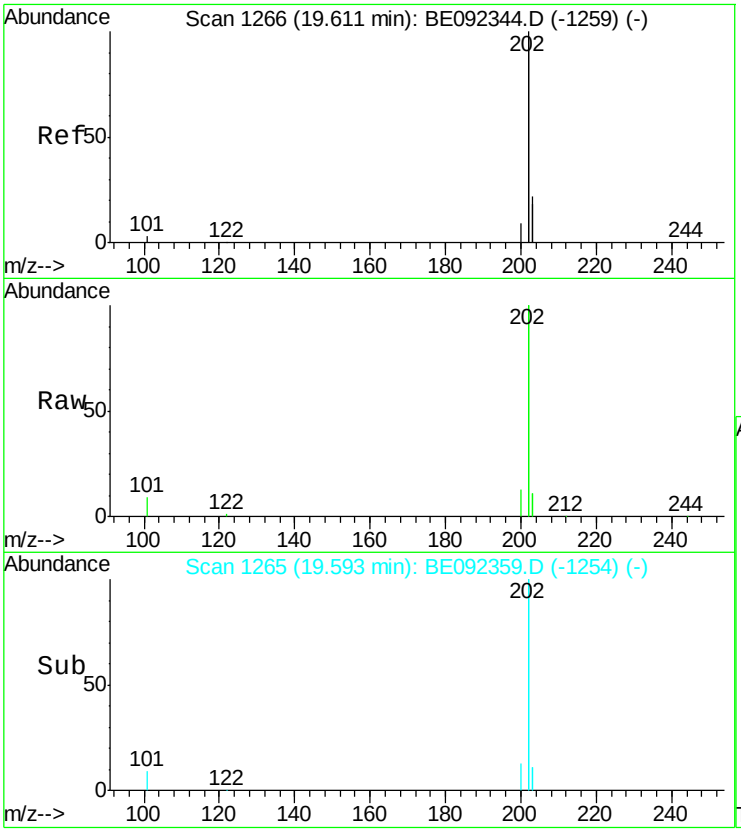


#22
Anthracene
Concen: 3.90 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:178 Resp: 57350

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.0	12.2	18.2

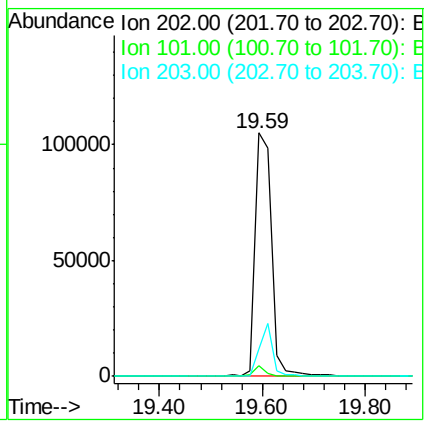




#23
Fluoranthene
Concen: 3.14 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:202 Resp: 226384

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
PB93313BSD

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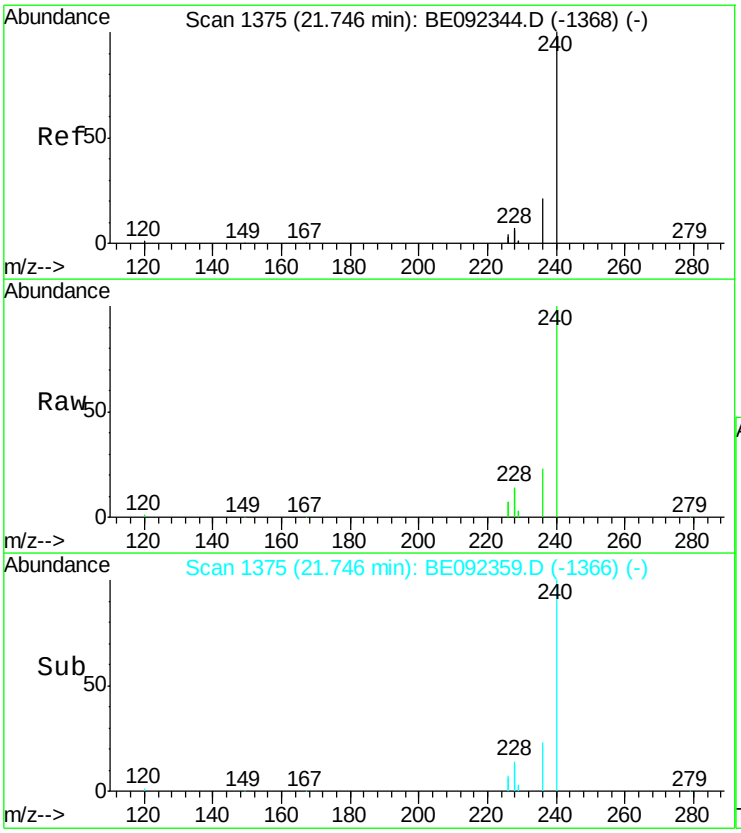
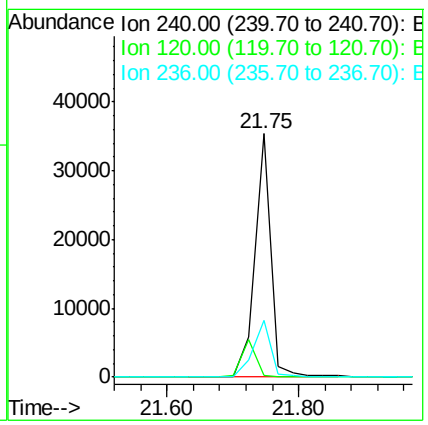
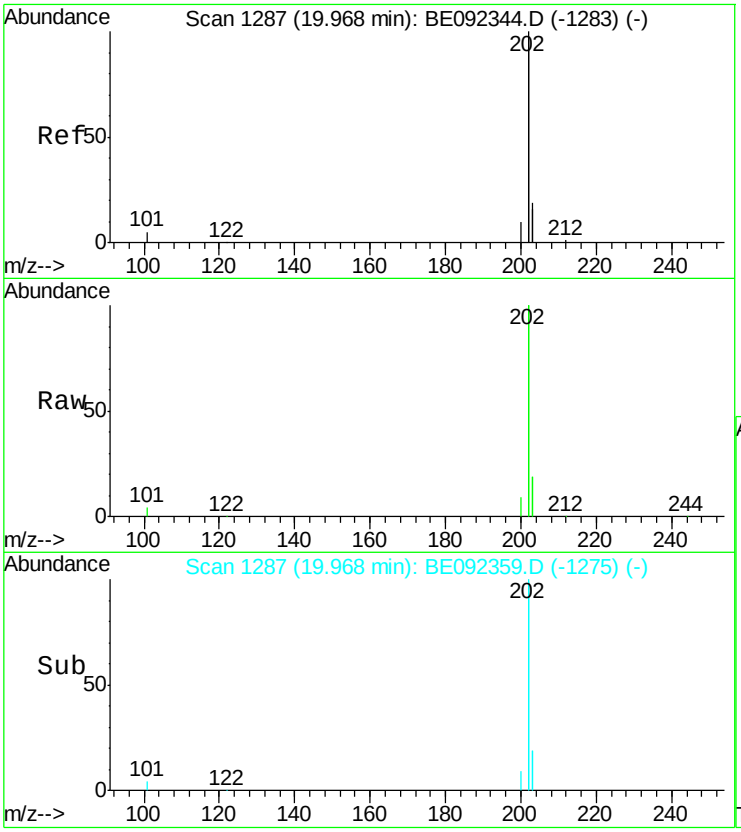


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:240 Resp: 59207

Ion	Ratio	Lower	Upper
240	100		
120	0.9	2.6	4.0#
236	23.2	24.6	37.0#





#25
Pyrene
Concen: 4.14 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:202 Resp: 238396

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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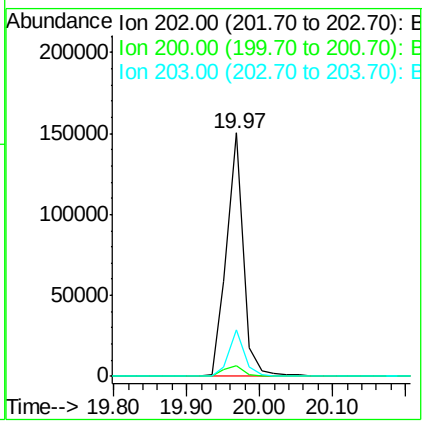
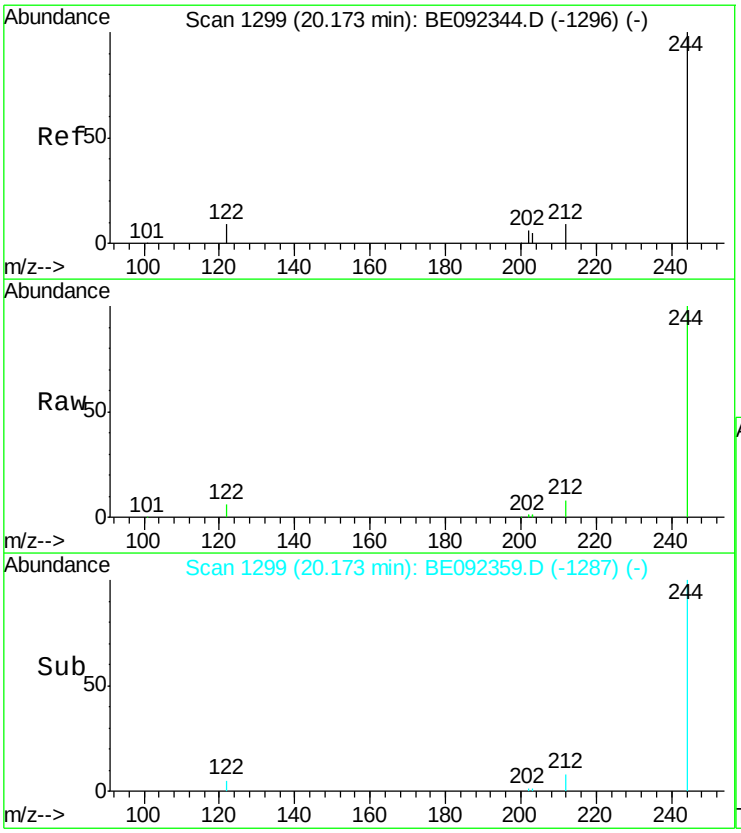
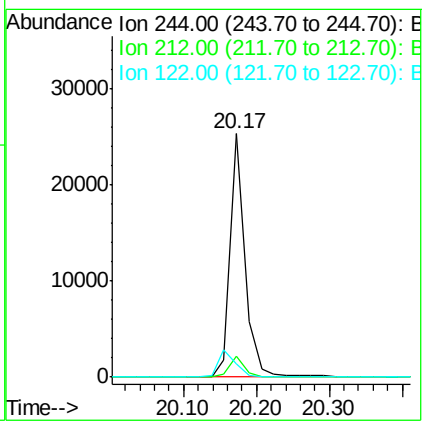


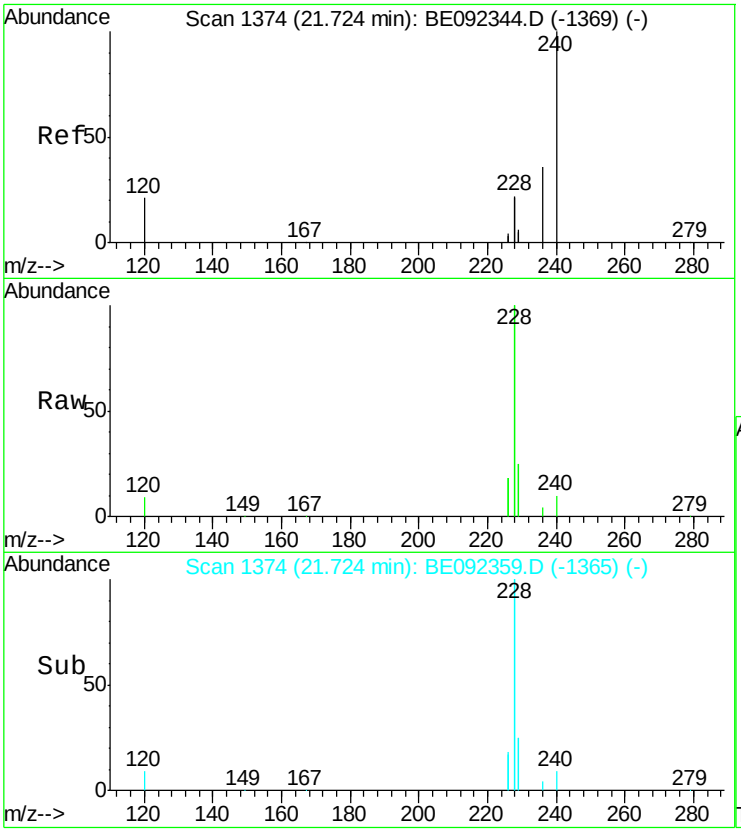


#26
Terphenyl-d14
Concen: 4.01 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:244 Resp: 35155

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.7	10.1
122	5.5	3.6	5.4#

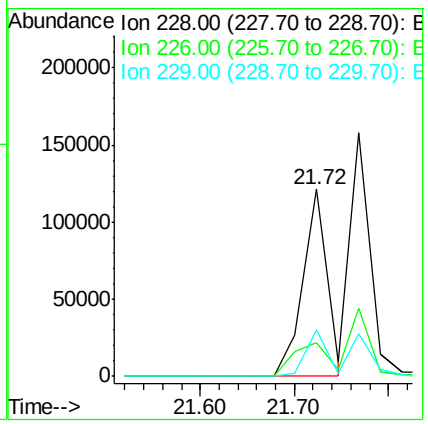




#27
Benzo(a)anthracene
Concen: 3.34 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:228 Resp: 213236

Ion	Ratio	Lower	Upper
228	100		
226	17.7	23.6	35.4#
229	25.0	13.3	19.9#



Instrument :
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ClientSampleId :
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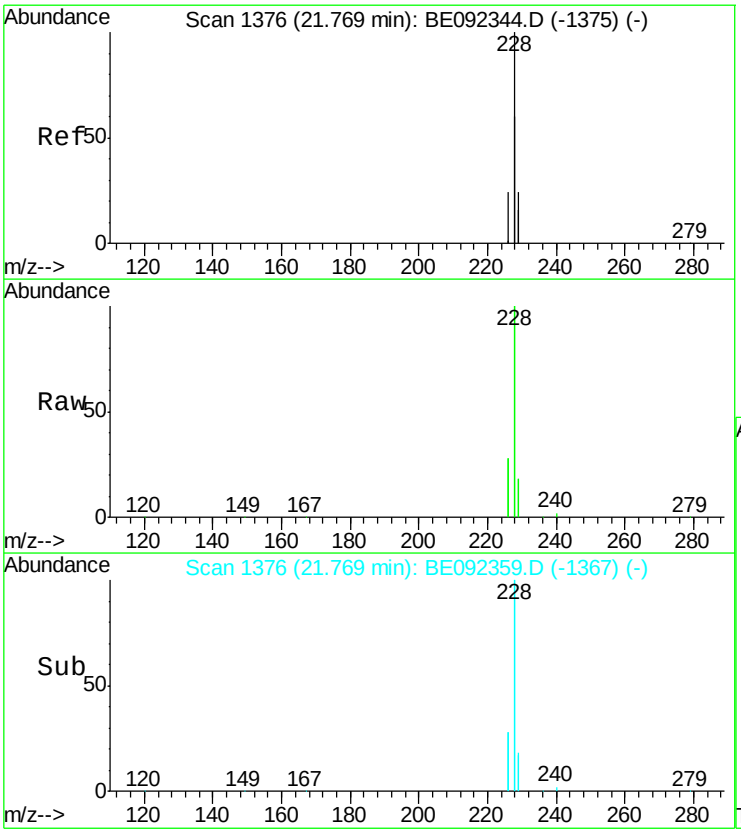
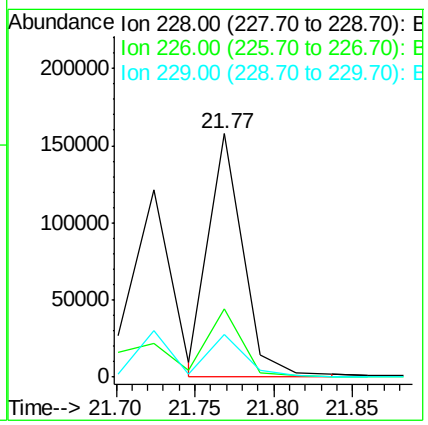
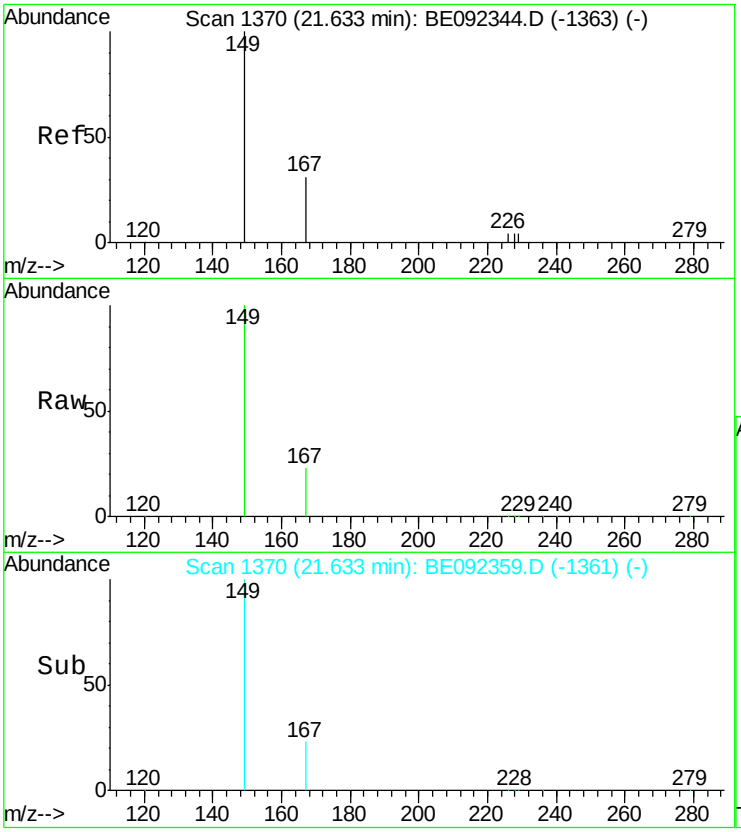


#28
Chrysene
Concen: 4.05 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:228 Resp: 240147

Ion	Ratio	Lower	Upper
228	100		
226	28.1	36.3	54.5#
229	17.7	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 4.37 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:149 Resp: 33180

Ion	Ratio	Lower	Upper
149	100		
167	23.1	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
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ClientSampleId :
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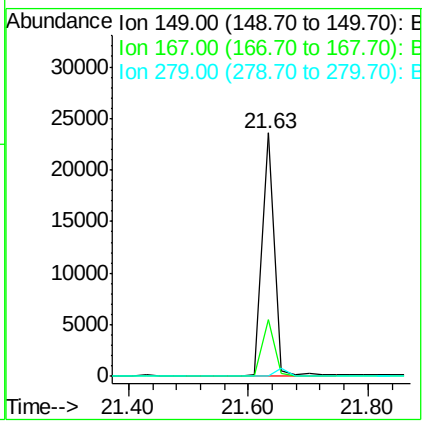
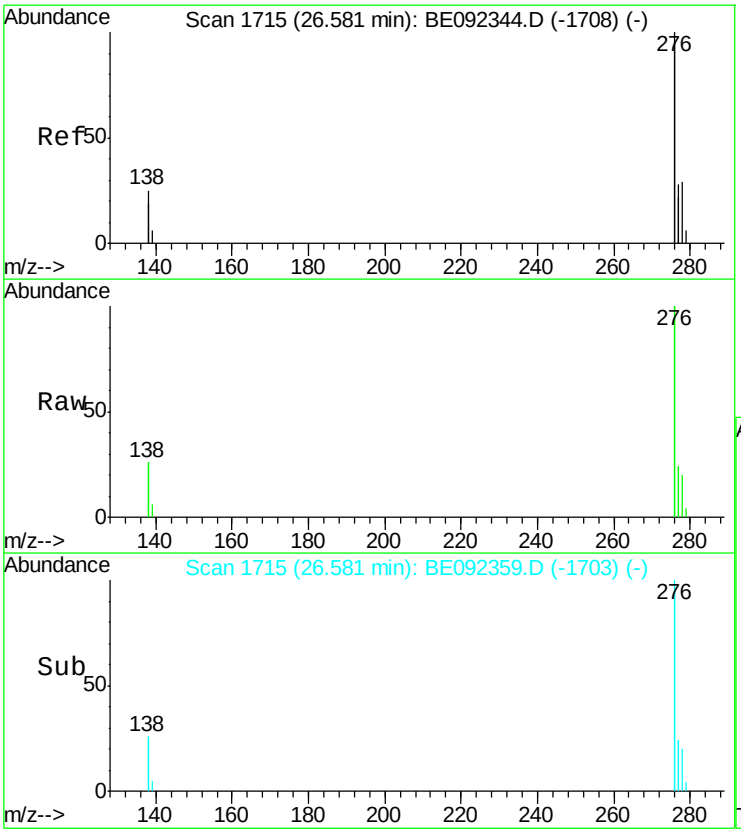
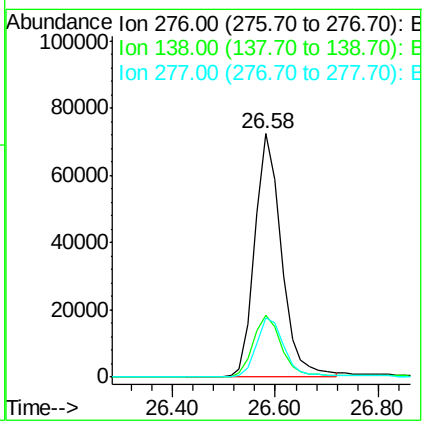


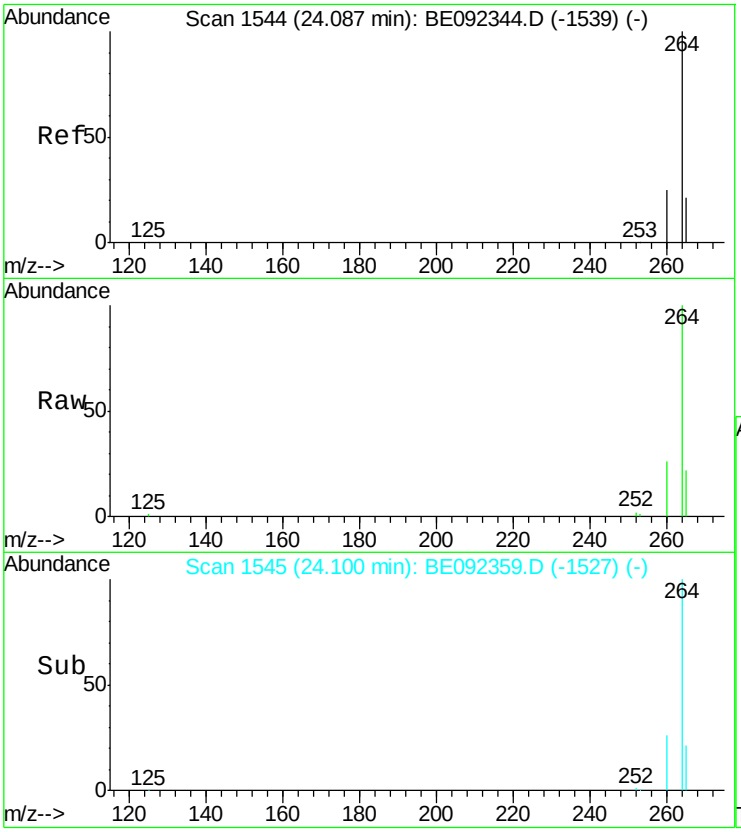


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.81 ng
RT: 26.58 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:276 Resp: 256586

Ion	Ratio	Lower	Upper
276	100		
138	26.5	20.3	30.5
277	24.9	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.10 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:264 Resp: 55440

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	21.7	17.9	26.9

Instrument :
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ClientSampleId :
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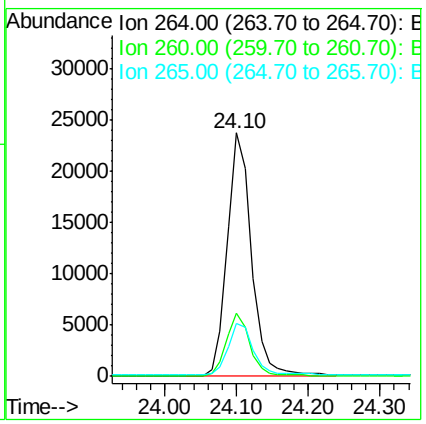
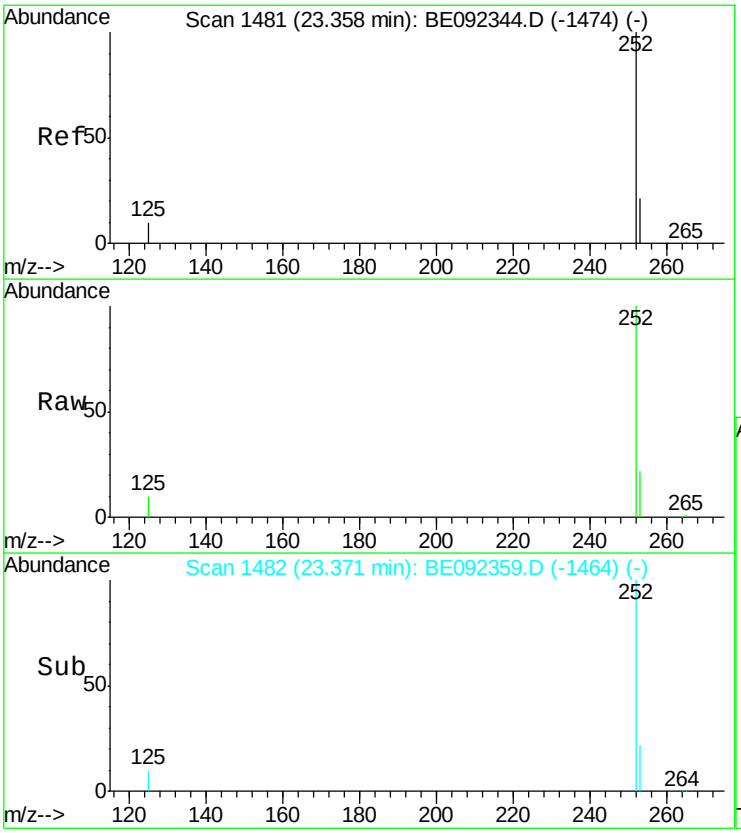
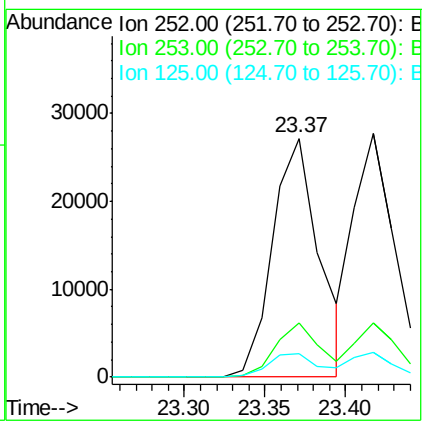


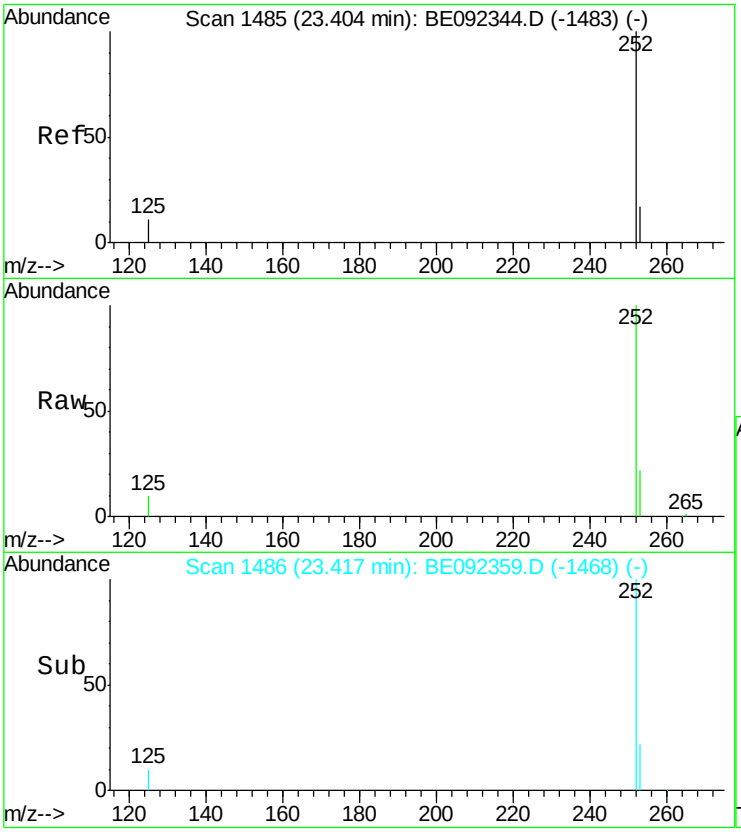


#32
Benzo(b)fluoranthene
Concen: 3.83 ng
RT: 23.37 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:252 Resp: 54499

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	9.9	10.5	15.7#

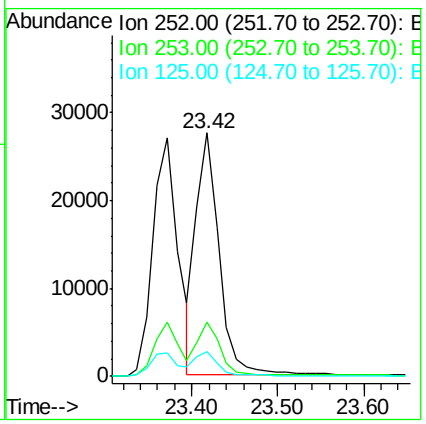




#33
Benzo(k)fluoranthene
Concen: 3.39 ng
RT: 23.42 min Scan# 1486
Delta R.T. 0.01 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:252 Resp: 51001

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.3	30.5
125	10.1	9.6	14.4



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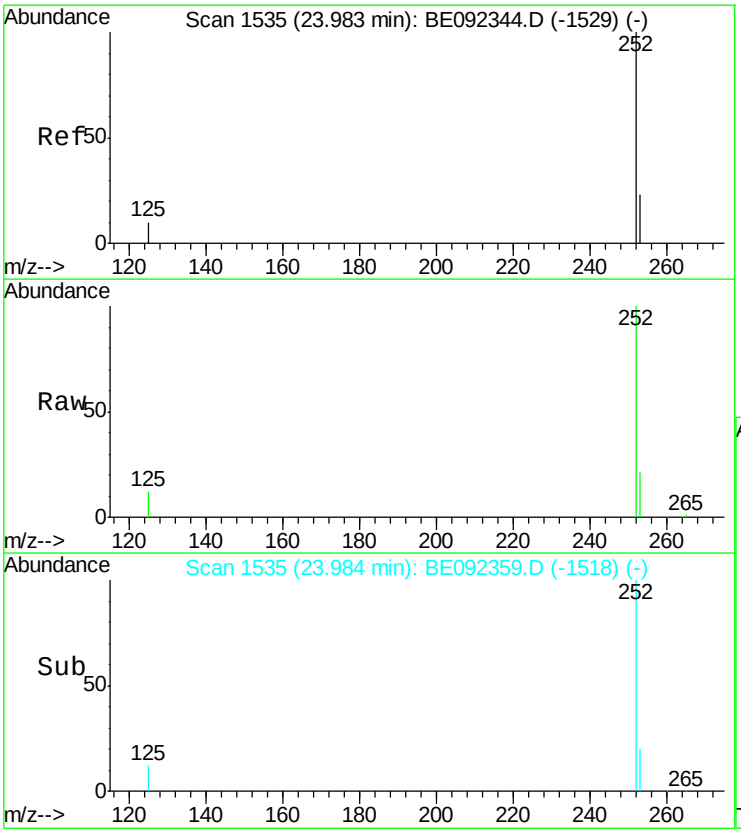
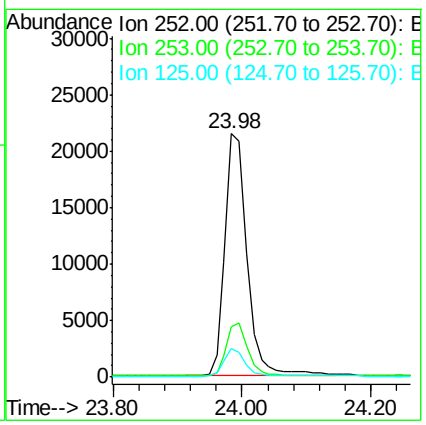
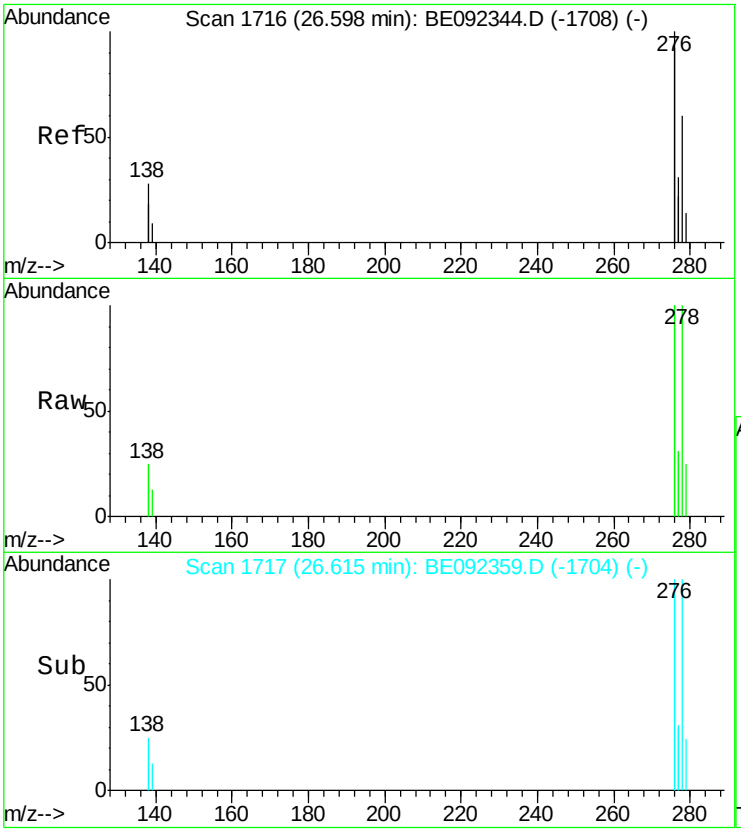


#34
Benzo(a)pyrene
Concen: 3.65 ng
RT: 23.98 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:252 Resp: 51212

Ion	Ratio	Lower	Upper
252	100		
253	20.9	19.0	28.6
125	11.9	11.8	17.8

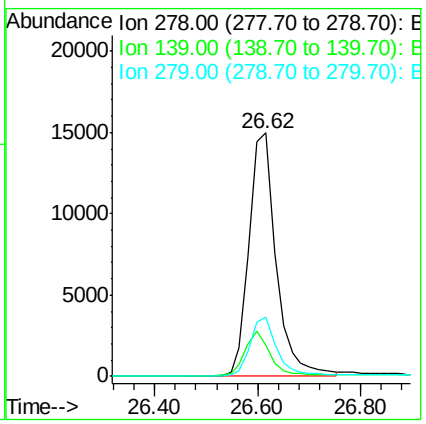




#35
Dibenzo(a,h)anthracene
Concen: 4.15 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.02 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:278 Resp: 53830

Ion	Ratio	Lower	Upper
278	100		
139	13.0	13.8	20.8#
279	24.5	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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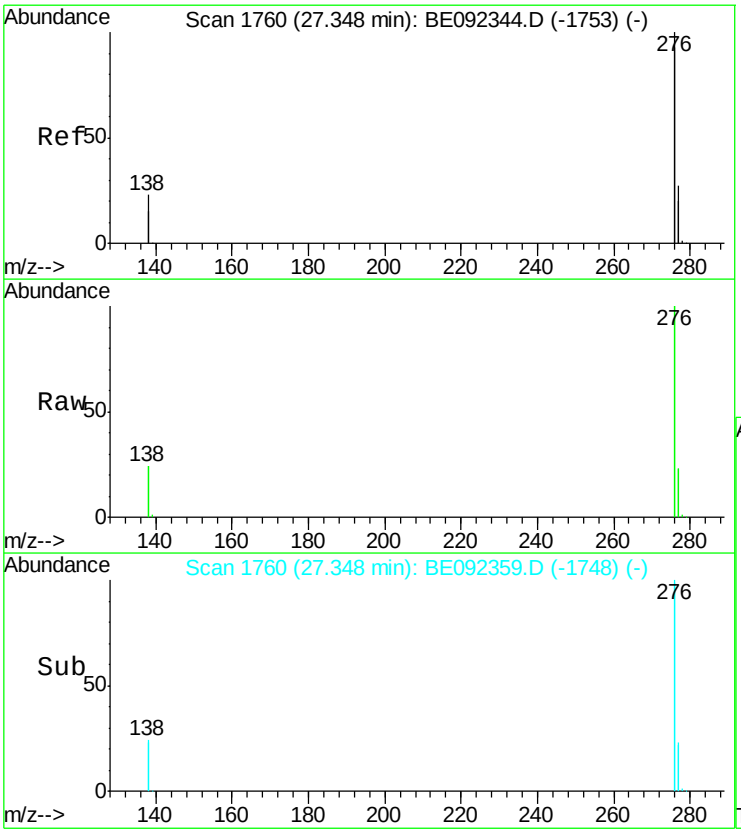

#36
Benzo(g,h,i)perylene
Concen: 4.06 ng
RT: 27.35 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BE092359.D
Acq: 9 Sep 2016 17:47

Tgt Ion:276 Resp: 222135

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.8	29.8
138	23.9	19.8	29.6