Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111816\
Data File : BE092569.D
Acq On : 18 Nov 2016 16:57
Operator : UM/SJ
Sample : PB94794BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB94794BSD

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Quant Time: Nov 18 23:38:06 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	10026	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	45697	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	29360	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	53078	5.00	ng		0.00
24) Chrysene-d12	21.72	240	68066	5.00	ng		0.00
31) Perylene-d12	24.08	264	59429	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	20257	11.96	ng		-0.02
5) Phenol-d6	7.31	99	29680	10.47	ng		-0.05
8) Nitrobenzene-d5	9.31	82	13601	4.59	ng		-0.05
13) 2,4,6-Tribromophenol	16.28	330	6842	10.39	ng		-0.02
14) 2-Fluorobiphenyl	13.41	172	30495	4.26	ng		-0.02
26) Terphenyl-d14	20.16	244	35205	4.52	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	4311	3.64	ng	#	52
3) n-Nitrosodimethylamine	3.73	42	6909	4.15	ng	#	97
6) bis(2-Chloroethyl)ether	7.56	93	12475	4.09	ng		86
9) Naphthalene	10.97	128	37023	3.93	ng	#	95
10) Hexachlorobutadiene	11.26	225	5448	3.80	ng		100
11) 2-Methylnaphthalene	12.60	142	24680	4.10	ng		93
15) Acenaphthylene	14.51	152	165471	4.05	ng		100
16) Acenaphthene	14.85	154	24306	3.64	ng		92
17) Fluorene	15.85	166	32363	3.92	ng		99
19) Hexachlorobenzene	16.87	284	9732	4.64	ng	#	65
20) Pentachlorophenol	17.21	266	7243	7.36	ng	#	85
21) Phenanthrene	17.58	178	53391	4.50	ng	#	94
22) Anthracene	17.67	178	51378	4.59	ng		99
23) Fluoranthene	19.58	202	217373	3.92	ng		98
25) Pyrene	19.95	202	230871	4.27	ng		99
27) Benzo(a)anthracene	21.70	228	263986m	4.11	ng		
28) Chrysene	21.75	228	239368m	4.14	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	22725	5.14	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.55	276	298018	4.72	ng		98
32) Benzo(b)fluoranthene	23.35	252	59507	4.13	ng	#	97
33) Benzo(k)fluoranthene	23.39	252	56610	3.75	ng		94
34) Benzo(a)pyrene	23.96	252	57112	4.28	ng	#	94
35) Dibenzo(a,h)anthracene	26.56	278	61326	4.65	ng		96
36) Benzo(g,h,i)perylene	27.31	276	258350	4.62	ng		97

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

Quantitation Report (QT Reviewed)

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Data File : BE092569.D
Acq On : 18 Nov 2016 16:57
Operator : UM/SJ
Sample : PB94794BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 18 23:38:06 2016
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Instrument :
BNA_E
ClientSampleId :
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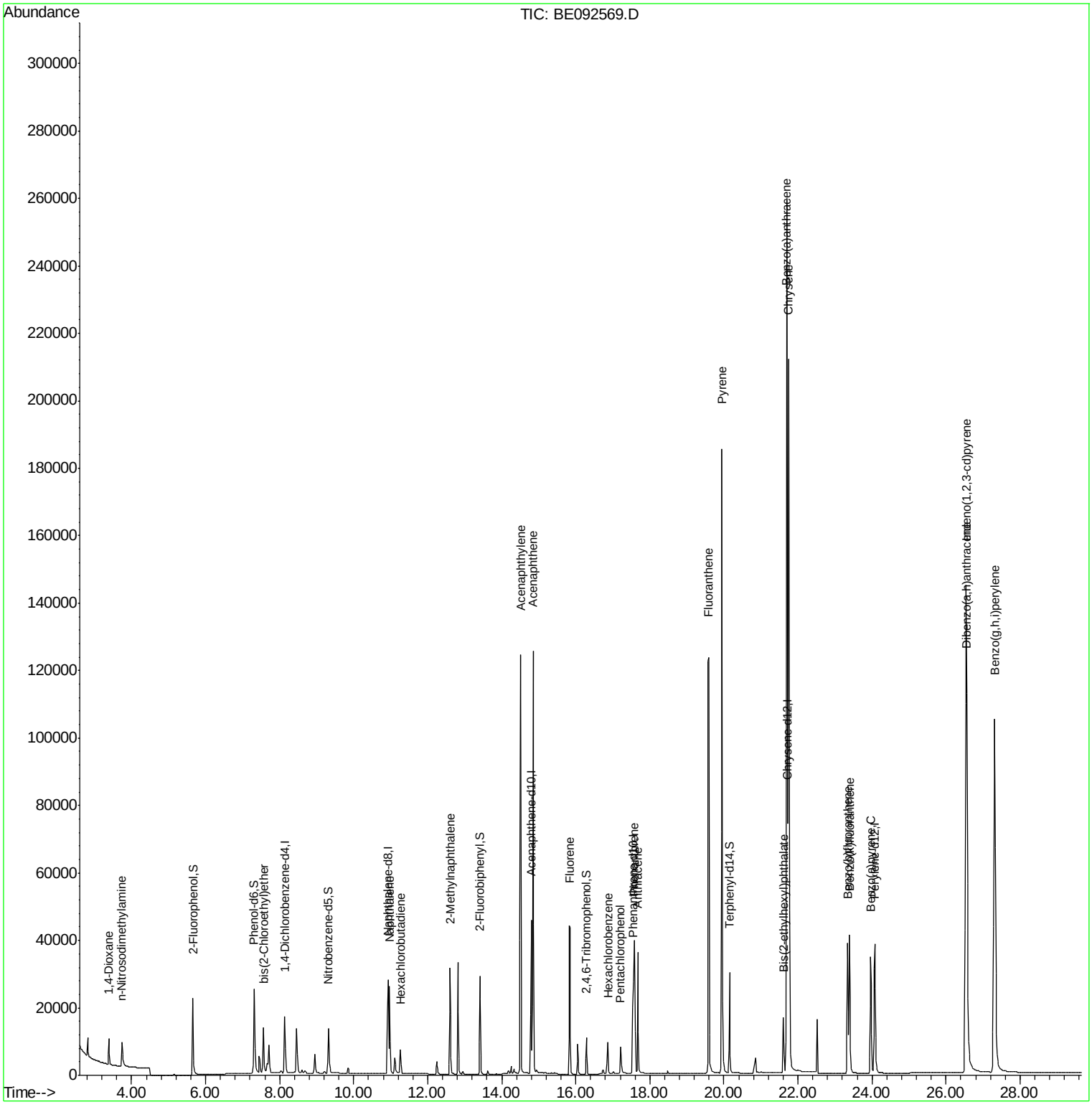
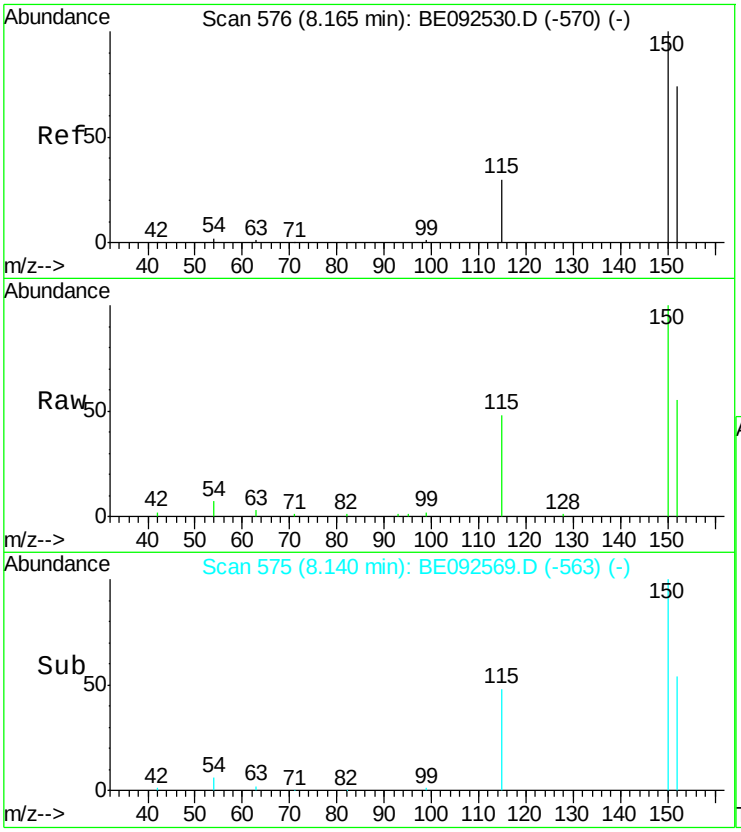
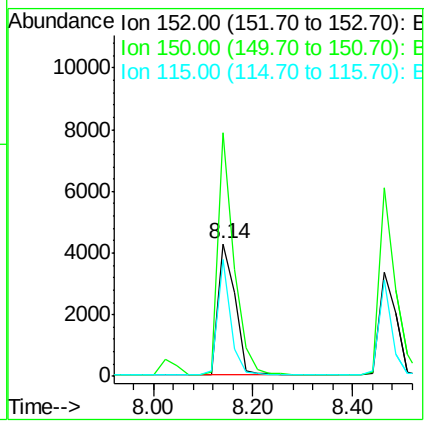




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:152 Resp: 10026

Ion	Ratio	Lower	Upper
152	100		
150	183.4	106.0	159.0#
115	88.2	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
PB94794BSD

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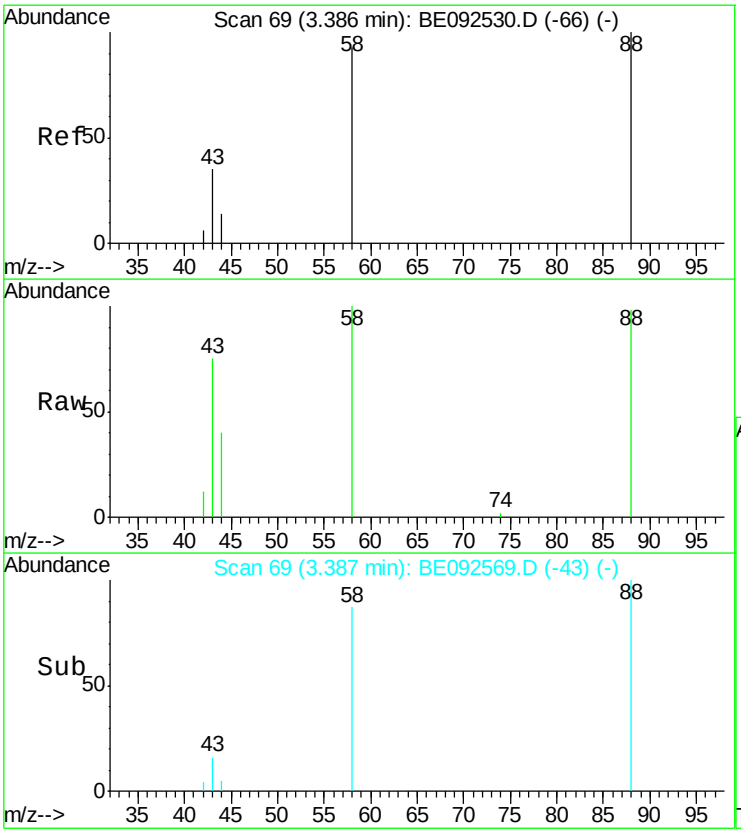
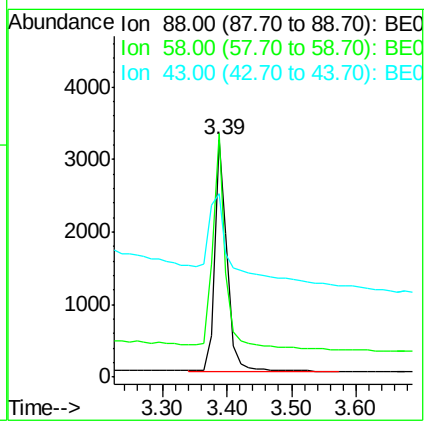
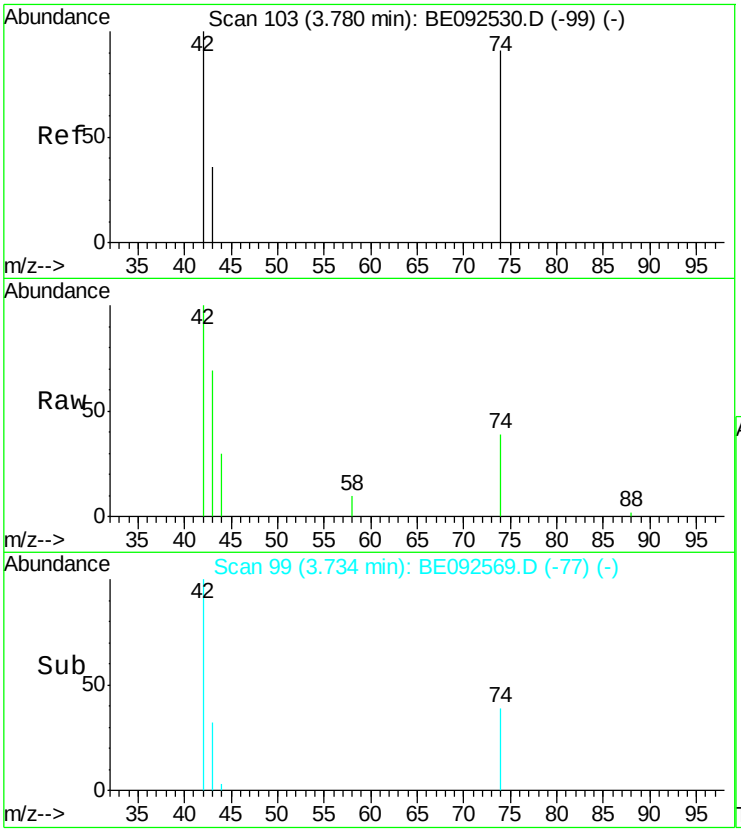


#2
1,4-Dioxane
Concen: 3.64 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion: 88 Resp: 4311

Ion	Ratio	Lower	Upper
88	100		
58	102.3	63.6	95.4#
43	91.3	28.0	42.0#

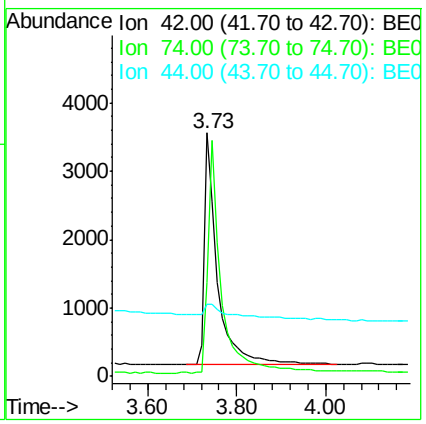




#3
n-Nitrosodimethylamine
Concen: 4.15 ng
RT: 3.73 min Scan# 99
Delta R.T. -0.05 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion: 42 Resp: 6909

Ion	Ratio	Lower	Upper
42	100		
74	104.5	86.0	129.0
44	9.9	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB94794BSD

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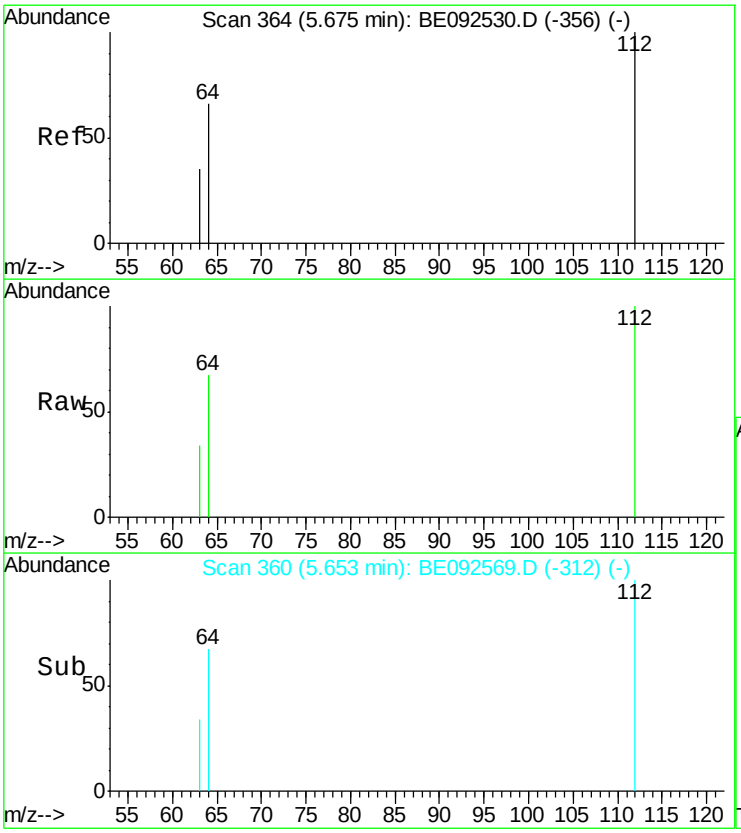
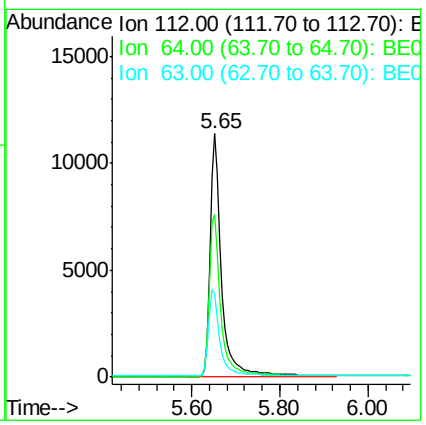
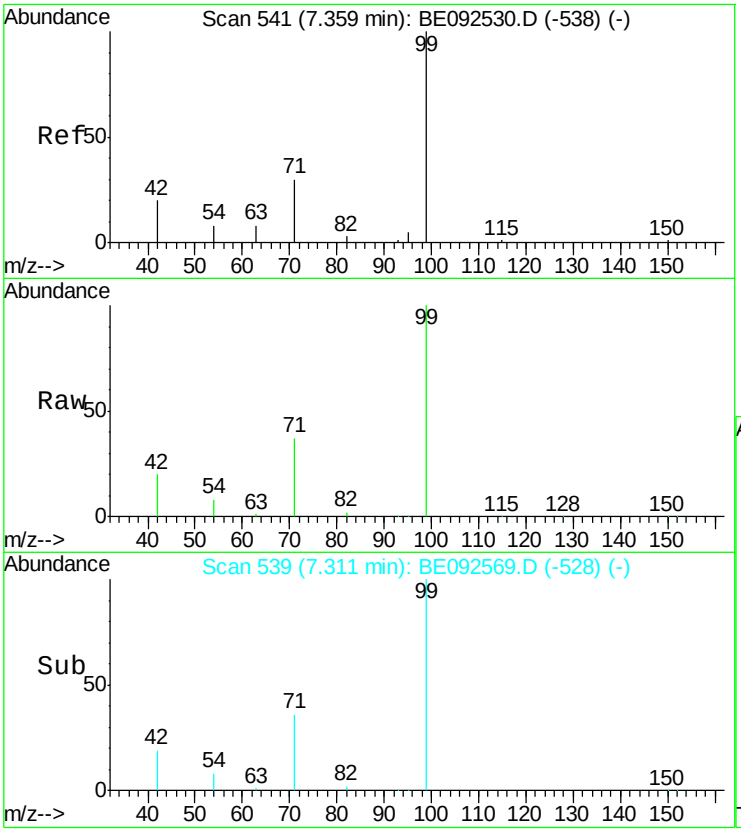


#4
2-Fluorophenol
Concen: 11.96 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:112 Resp: 20257

Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.5	80.3
63	36.7	27.9	41.9

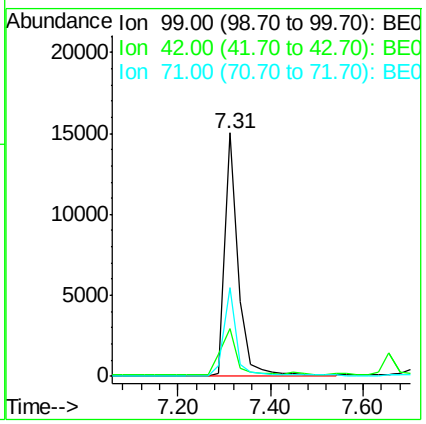




#5
Phenol-d6
Concen: 10.47 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.05 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion: 99 Resp: 29680

Ion	Ratio	Lower	Upper
99	100		
42	22.7	16.0	24.0
71	33.9	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
PB94794BSD

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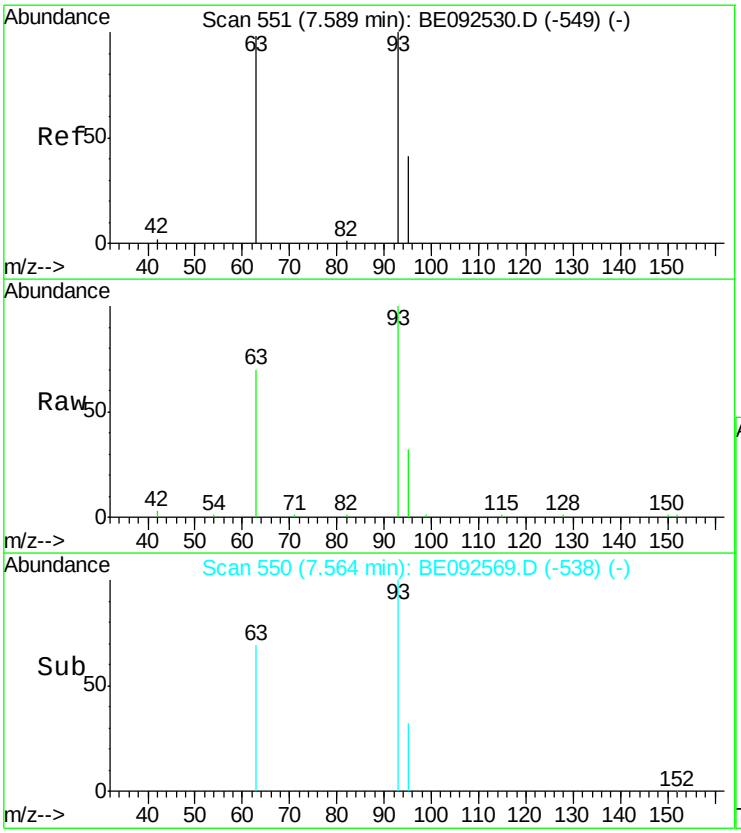
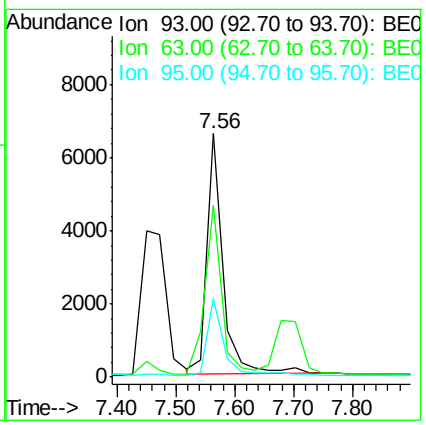
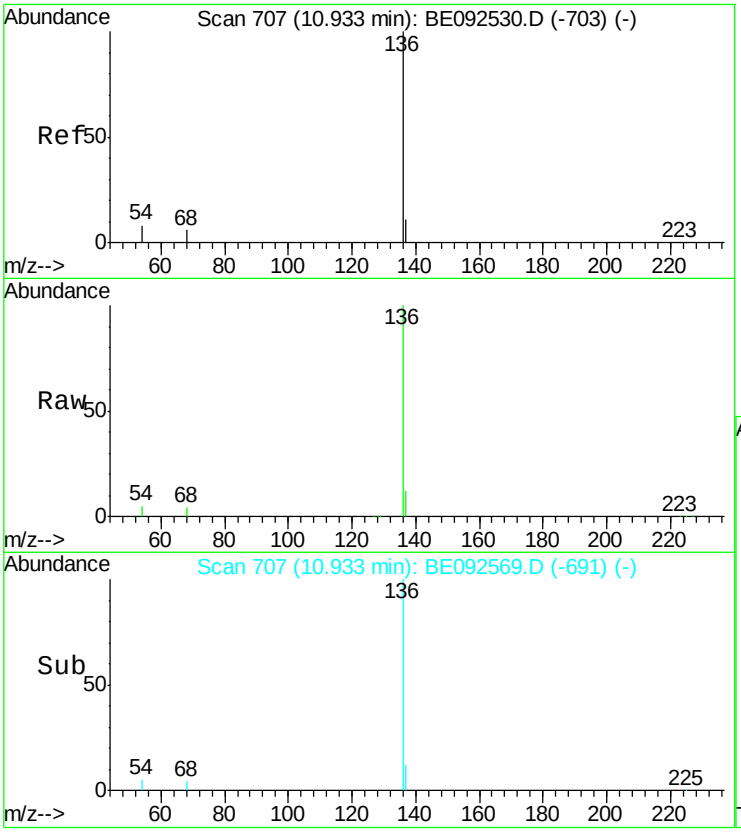


#6
bis(2-Chloroethyl)ether
Concen: 4.09 ng
RT: 7.56 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion: 93 Resp: 12475

Ion	Ratio	Lower	Upper
93	100		
63	73.4	71.6	107.4
95	32.1	24.0	36.0

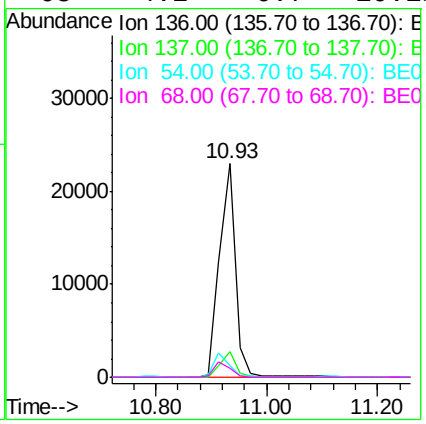




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:136 Resp: 45697

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	5.3	9.6	14.4#
68	4.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB94794BSD

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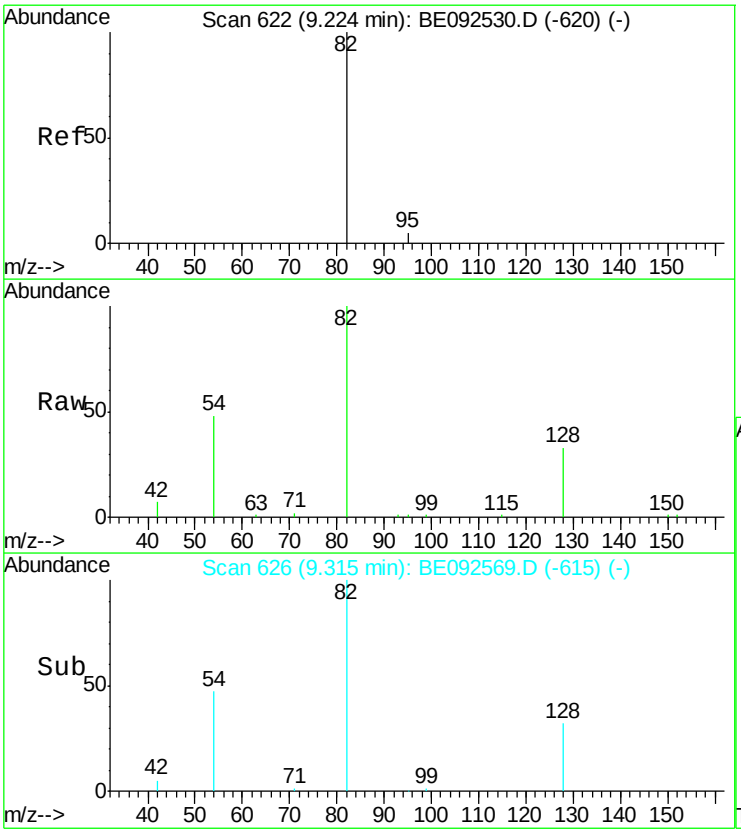
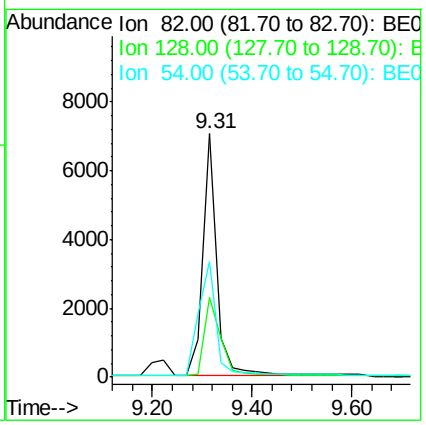
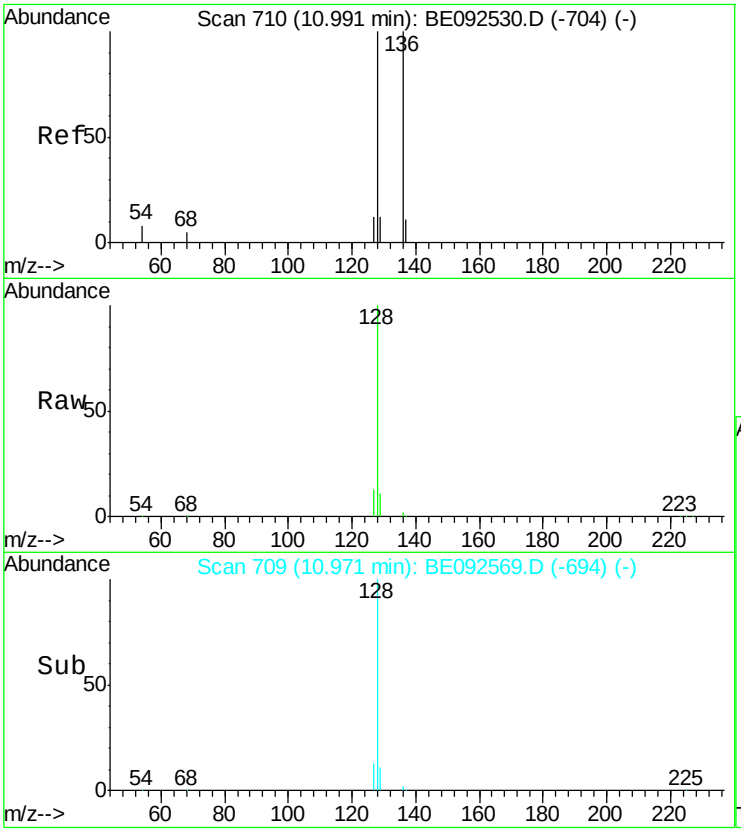


#8
Nitrobenzene-d5
Concen: 4.59 ng
RT: 9.31 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion: 82 Resp: 13601

Ion	Ratio	Lower	Upper
82	100		
128	32.5	39.0	58.4#
54	47.8	44.8	67.2

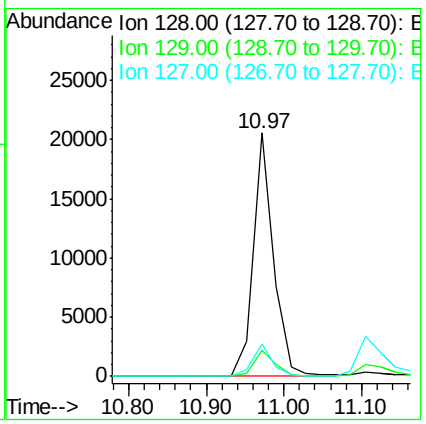




#9
Naphthalene
Concen: 3.93 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:128 Resp: 37023

Ion	Ratio	Lower	Upper
128	100		
129	10.8	11.2	16.8#
127	13.4	11.6	17.4



Instrument :
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ClientSampleId :
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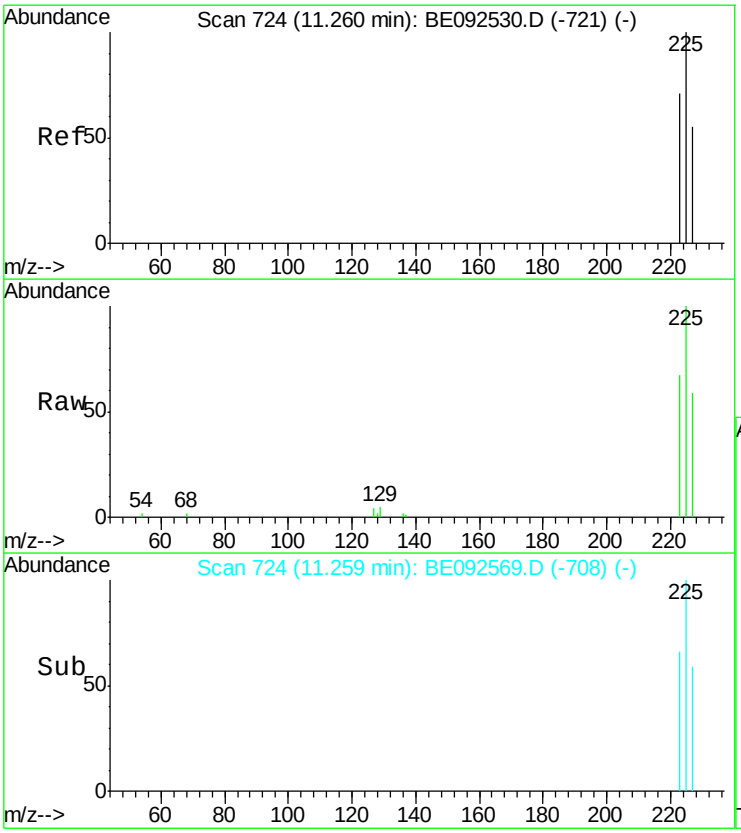
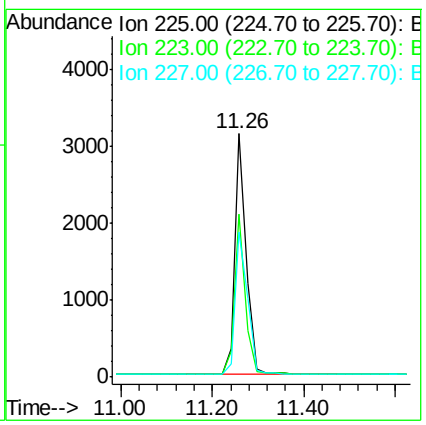
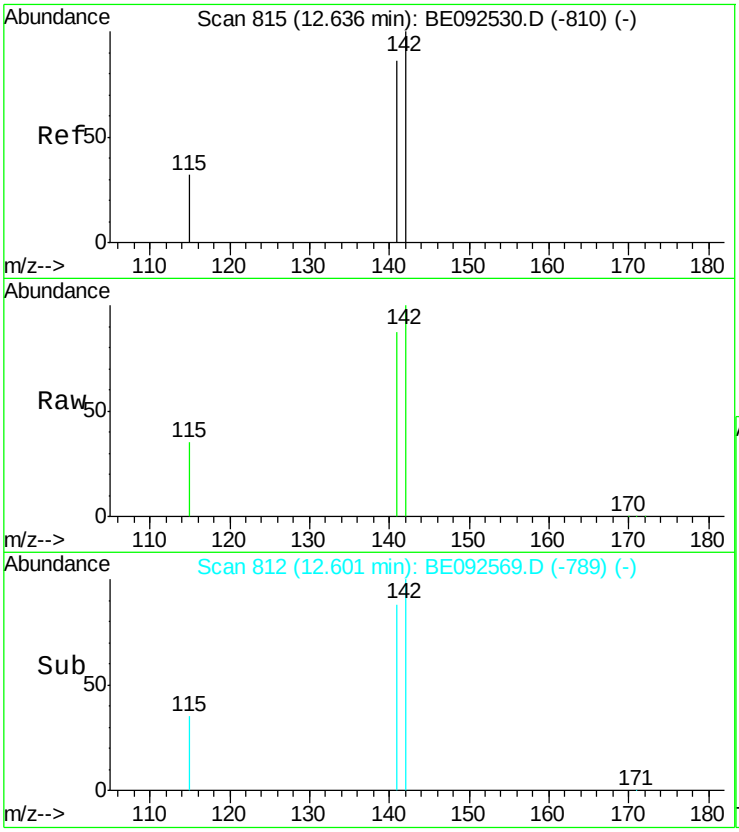


#10
Hexachlorobutadiene
Concen: 3.80 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:225 Resp: 5448

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	63.8	51.4	77.0

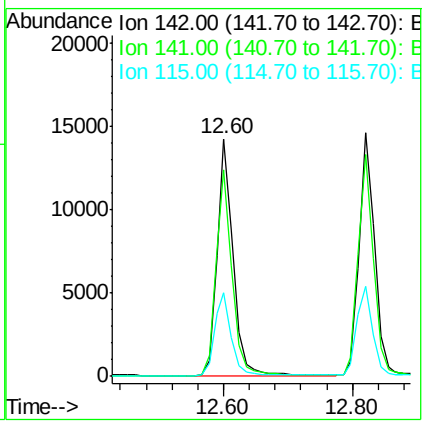




#11
2-Methylnaphthalene
Concen: 4.10 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.04 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:142 Resp: 24680

Ion	Ratio	Lower	Upper
142	100		
141	87.0	73.7	110.5
115	35.1	34.0	51.0



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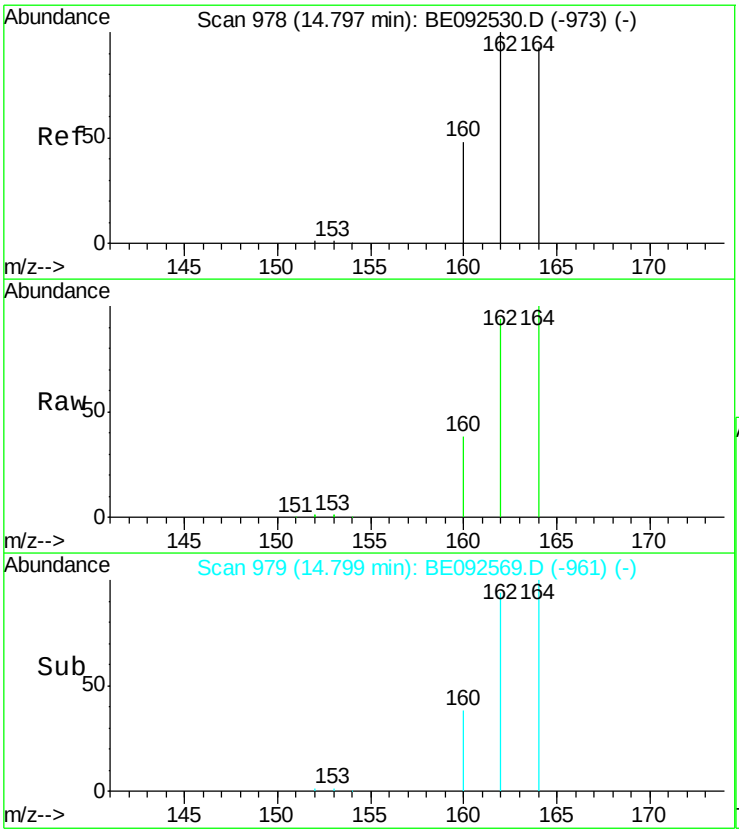
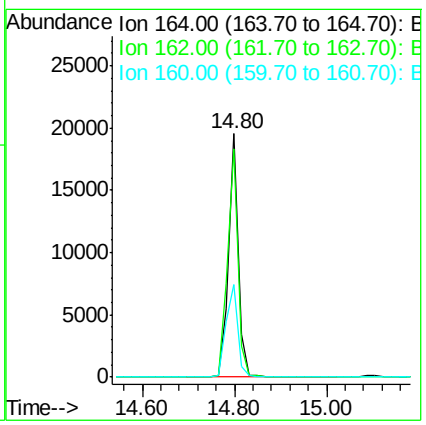
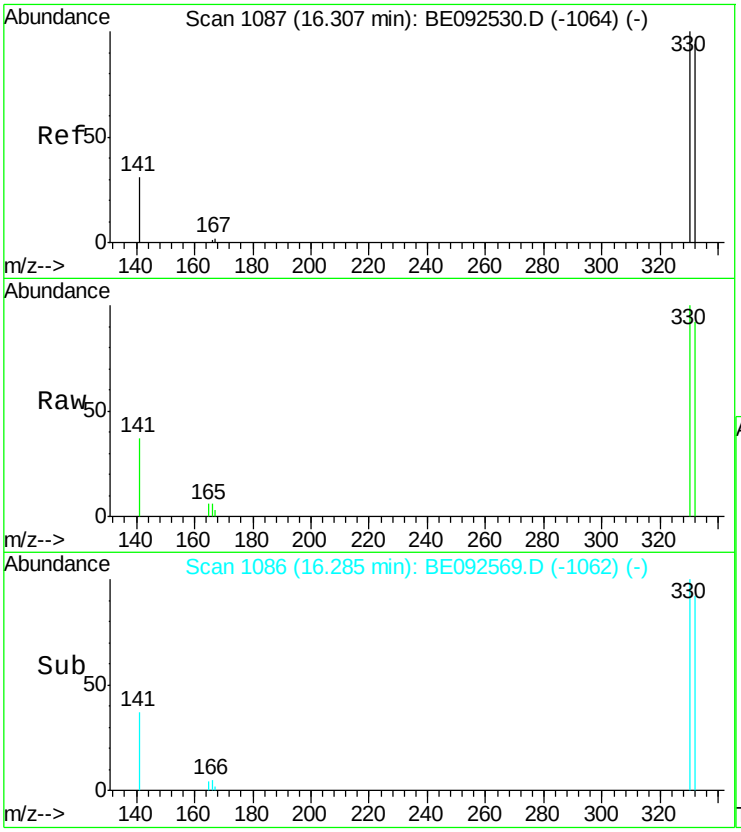


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:164 Resp: 29360

Ion	Ratio	Lower	Upper
164	100		
162	93.7	71.4	107.0
160	38.2	27.4	41.2

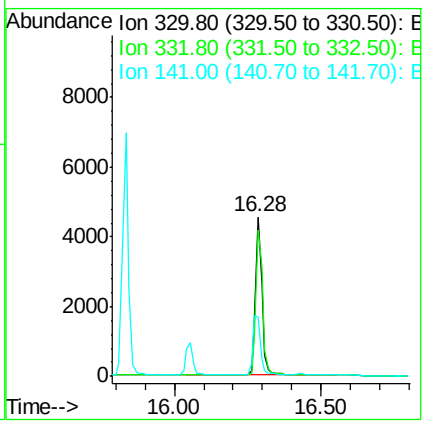




#13
2,4,6-Tribromophenol
Concen: 10.39 ng
RT: 16.28 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:330 Resp: 6842

Ion	Ratio	Lower	Upper
330	100		
332	97.8	75.4	113.0
141	44.2	31.0	46.6



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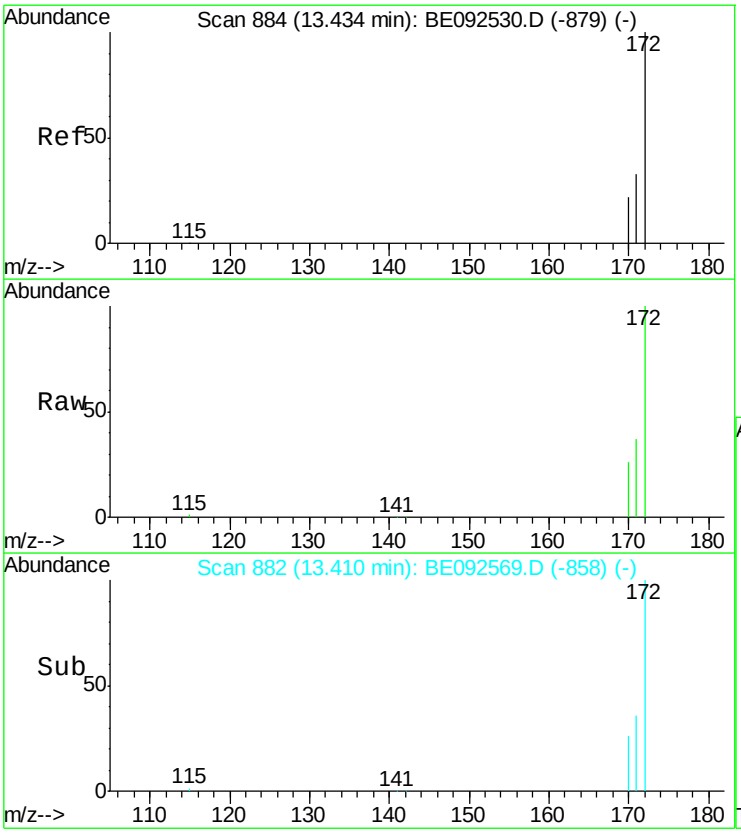
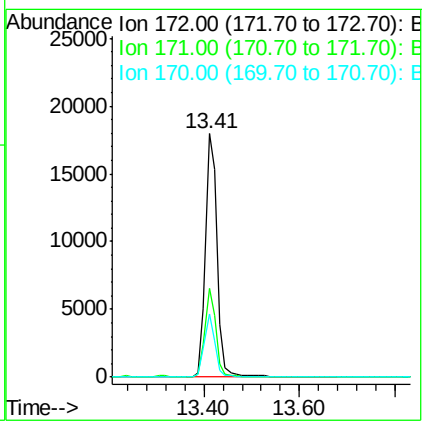
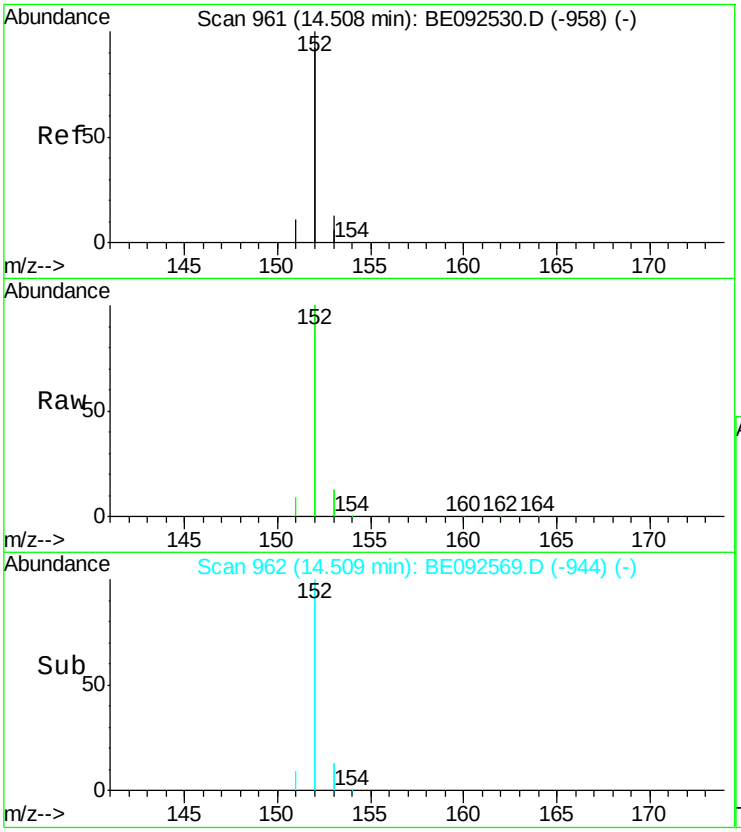


#14
2-Fluorobiphenyl
Concen: 4.26 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:172 Resp: 30495

Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.1	45.1
170	26.1	21.8	32.6

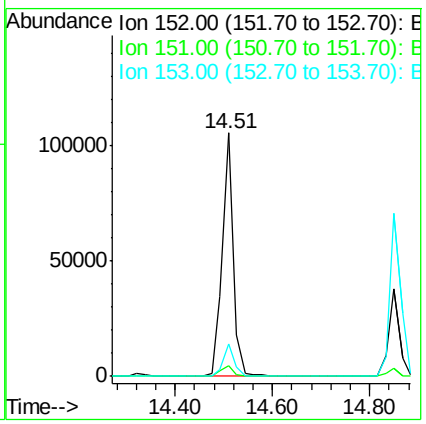




#15
Acenaphthylene
Concen: 4.05 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:152 Resp: 165471

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	12.9	10.4	15.6



Instrument :
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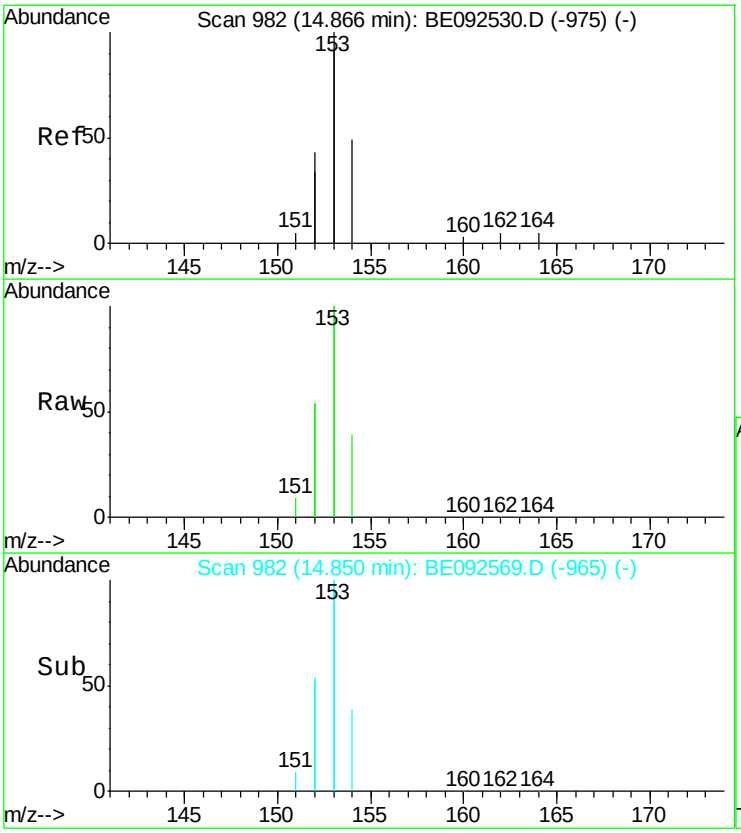
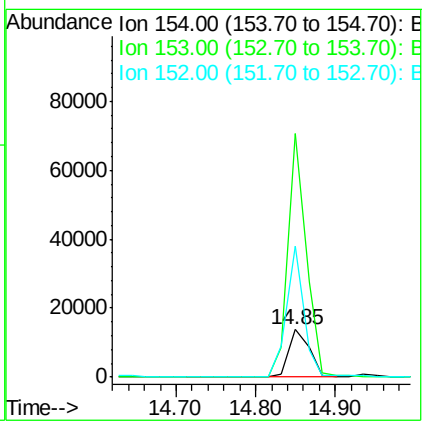
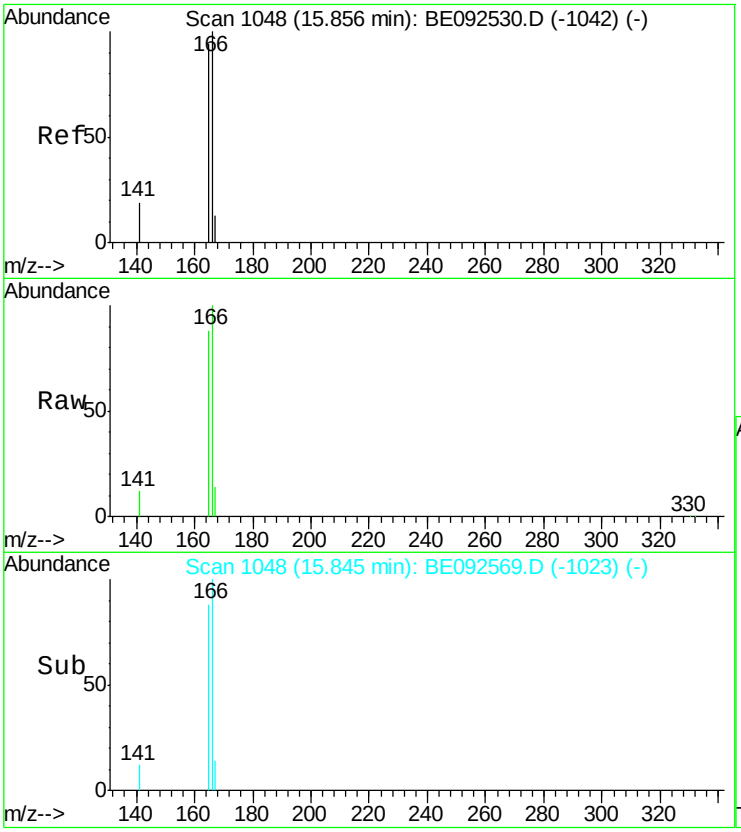


#16
Acenaphthene
Concen: 3.64 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:154 Resp: 24306

Ion	Ratio	Lower	Upper
154	100		
153	453.3	350.8	526.2
152	231.9	171.1	256.7

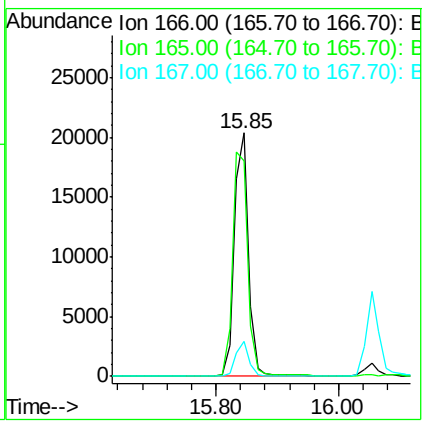




#17
Fluorene
Concen: 3.92 ng
RT: 15.85 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:166 Resp: 32363

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.4
167	13.4	11.0	16.4



Instrument :
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ClientSampleId :
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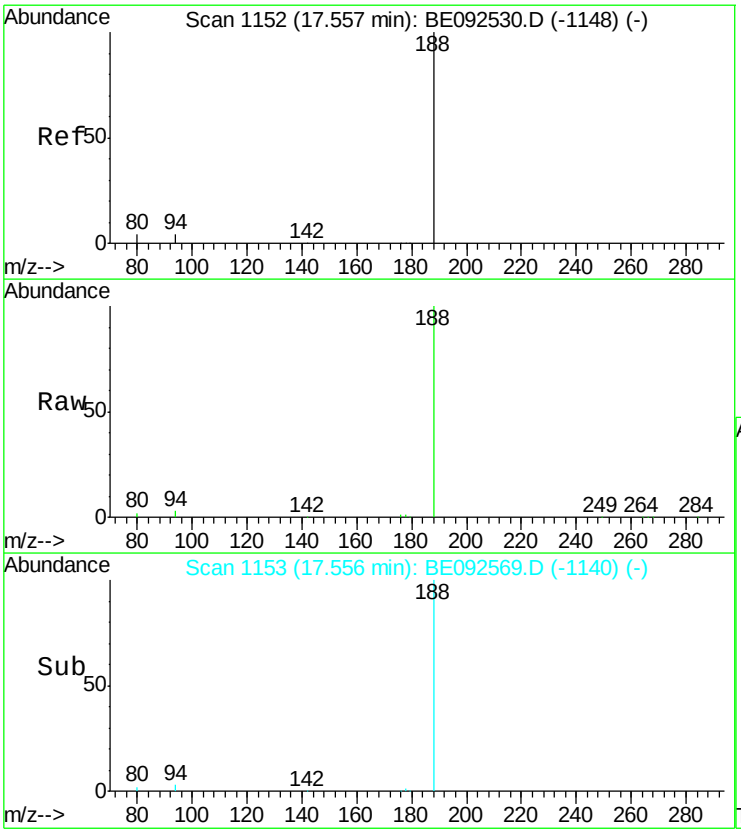
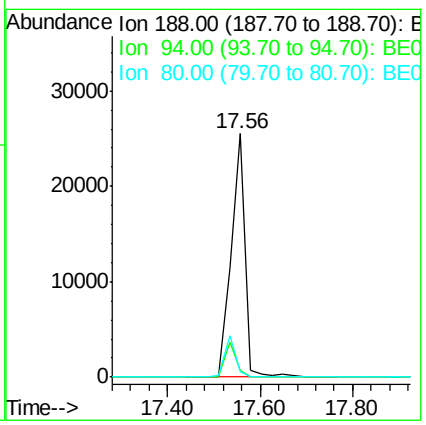
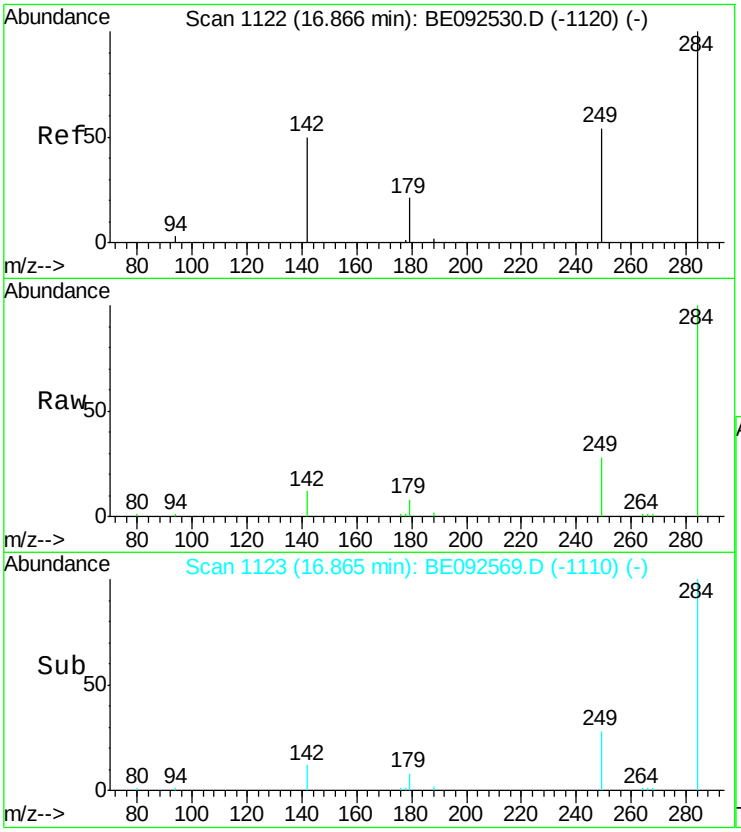


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:188 Resp: 53078

Ion	Ratio	Lower	Upper
188	100		
94	2.9	3.2	4.8#
80	2.3	2.6	3.8#

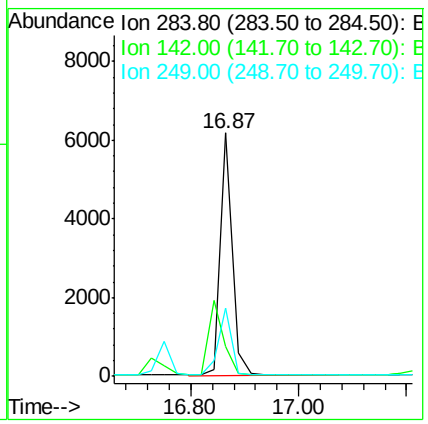




#19
Hexachlorobenzene
Concen: 4.64 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:284 Resp: 9732

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	30.5	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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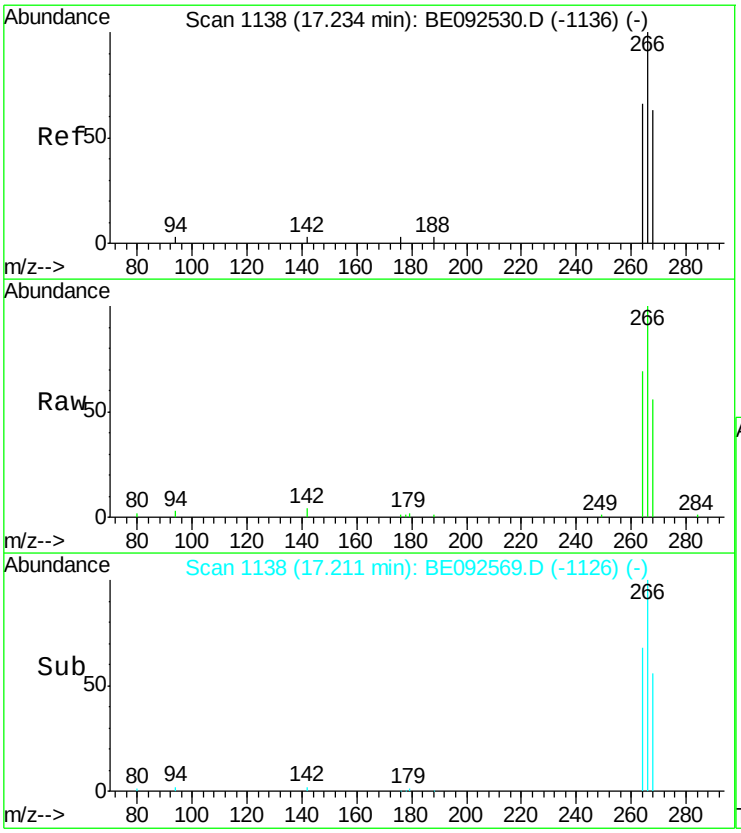
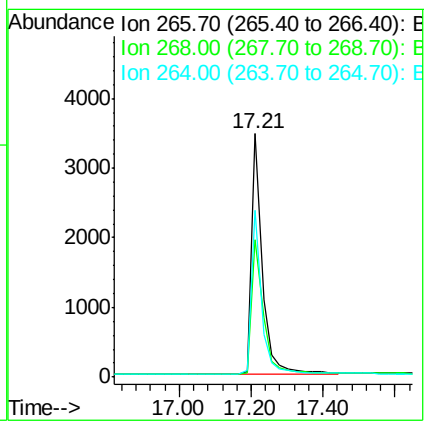
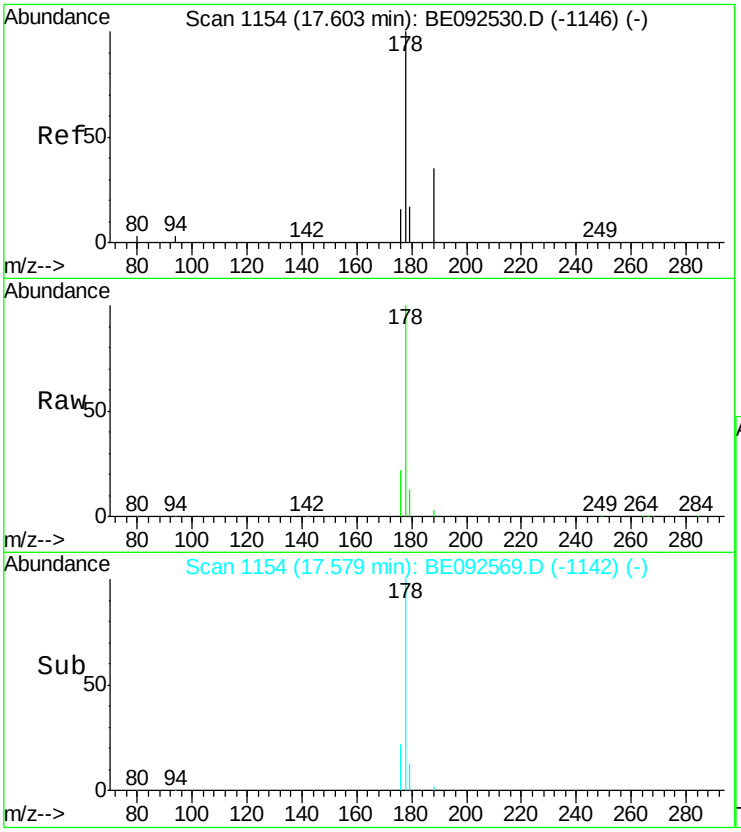


#20
Pentachlorophenol
Concen: 7.36 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:266 Resp: 7243

Ion	Ratio	Lower	Upper
266	100		
268	56.4	62.5	93.7#
264	68.6	57.2	85.8

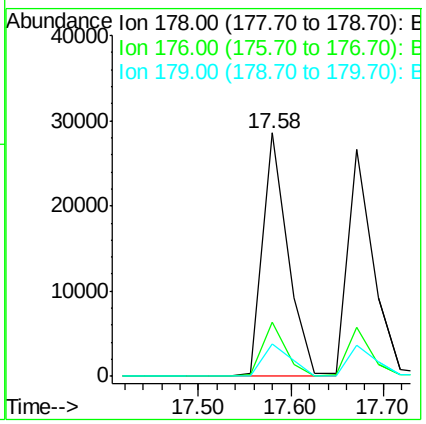




#21
Phenanthrene
Concen: 4.50 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:178 Resp: 53391

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	14.8	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
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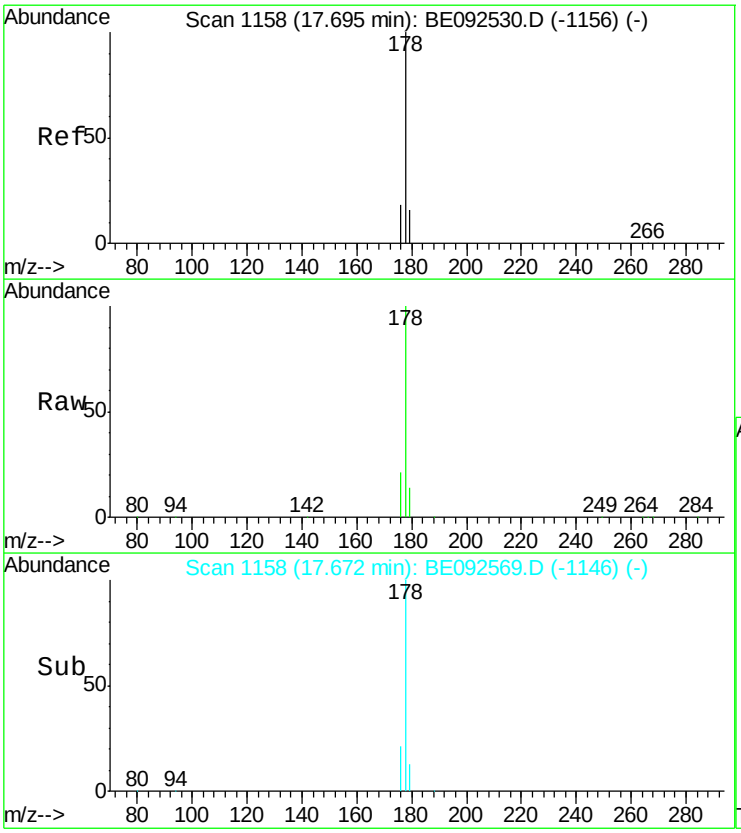
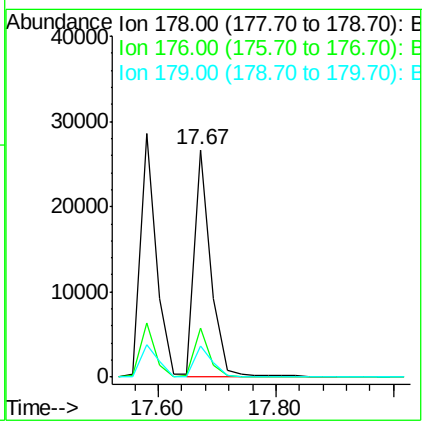
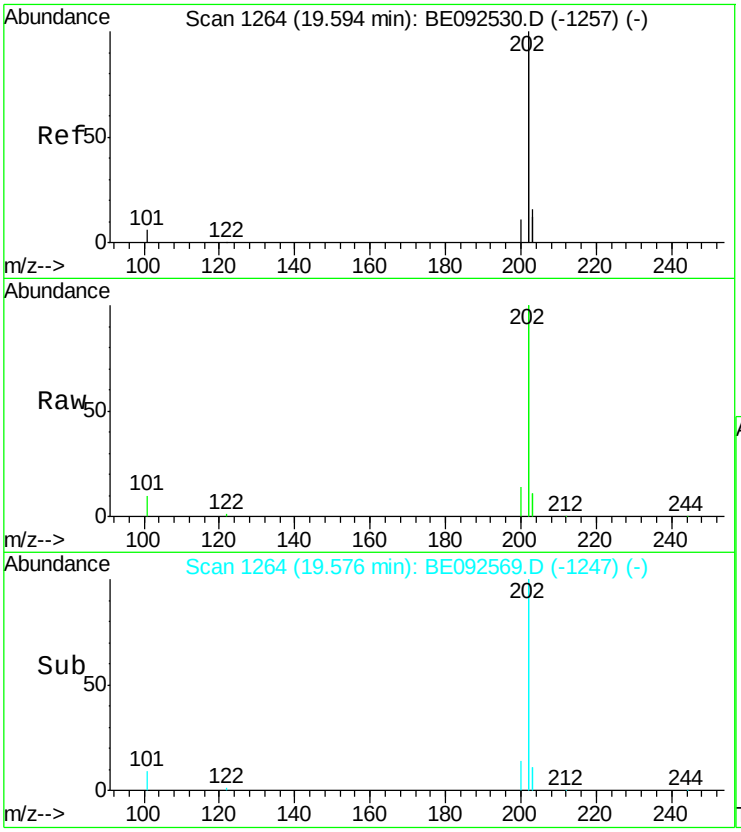


#22
Anthracene
Concen: 4.59 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:178 Resp: 51378

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.4
179	14.9	12.2	18.2

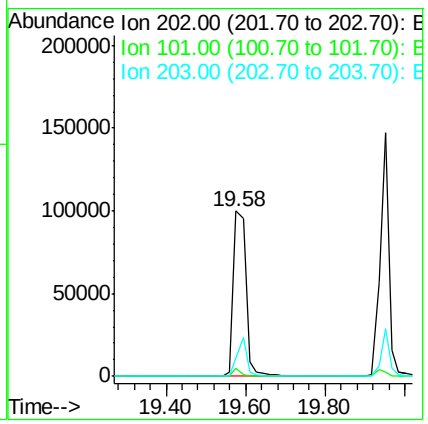




#23
Fluoranthene
Concen: 3.92 ng
RT: 19.58 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:202 Resp: 217373

Ion	Ratio	Lower	Upper
202	100		
101	3.1	2.2	3.4
203	17.9	13.7	20.5



Instrument :
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ClientSampleId :
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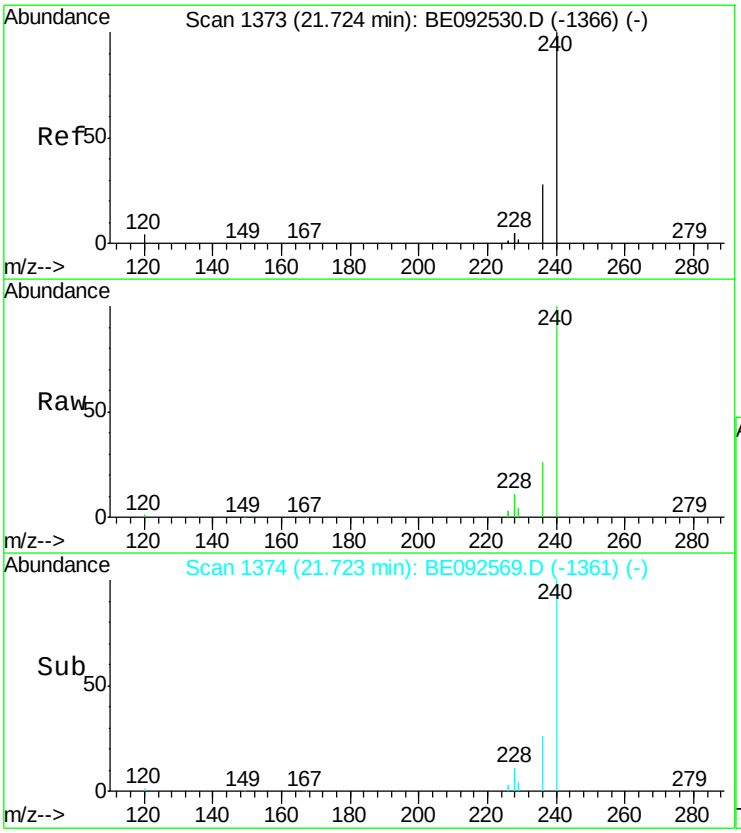
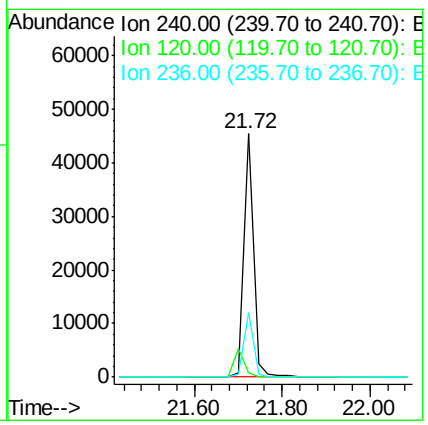
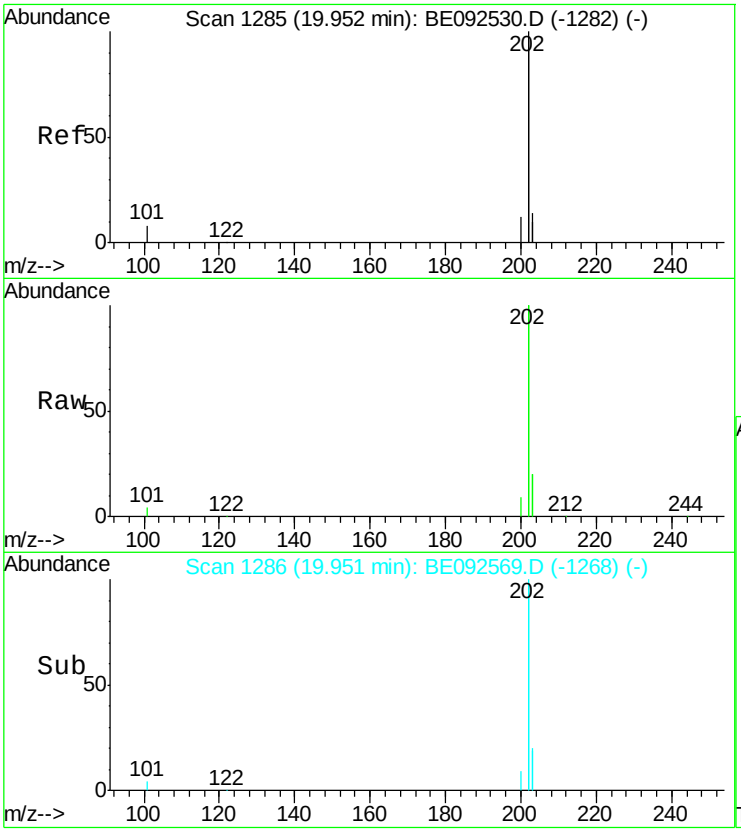


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:240 Resp: 68066

Ion	Ratio	Lower	Upper
240	100		
120	1.5	2.6	4.0#
236	26.4	24.6	37.0





#25
Pyrene
Concen: 4.27 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:202 Resp: 230871

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	18.2	13.9	20.9

Instrument :
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ClientSampleId :
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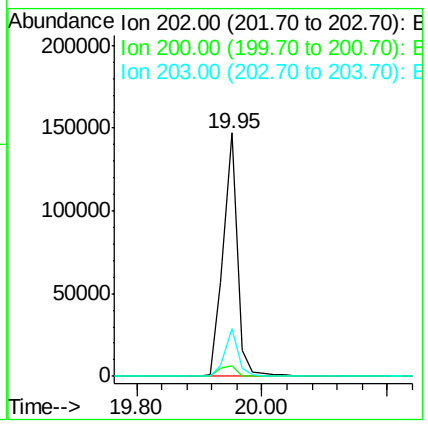
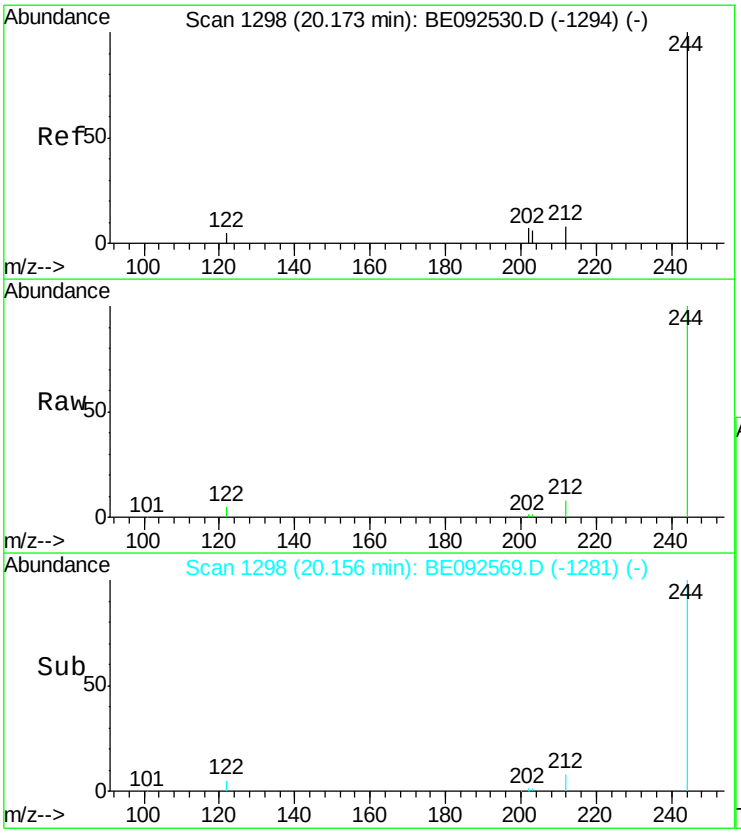
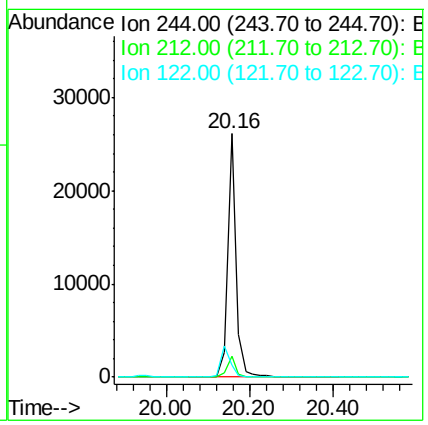


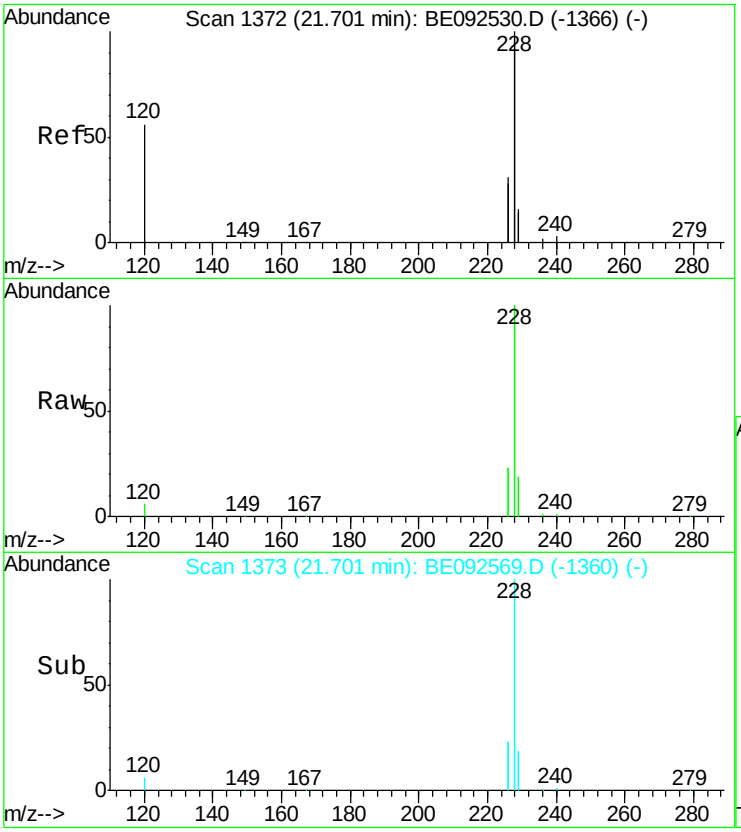


#26
Terphenyl-d14
Concen: 4.52 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:244 Resp: 35205

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.7	10.1
122	4.7	3.6	5.4





#27
Benzo(a)anthracene
Concen: 4.11 ng m
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:228 Resp: 263986

Ion	Ratio	Lower	Upper
228	100		
226	22.9	23.6	35.4#
229	18.6	13.3	19.9

Instrument :
BNA_E
ClientSampleId :
PB94794BSD

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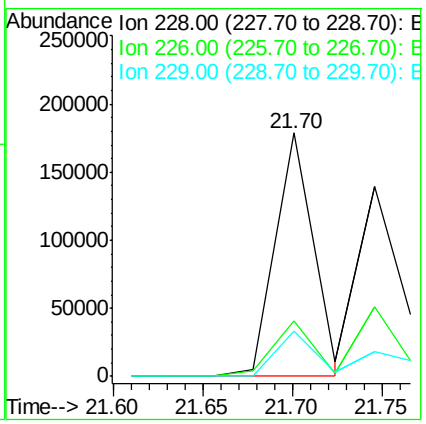
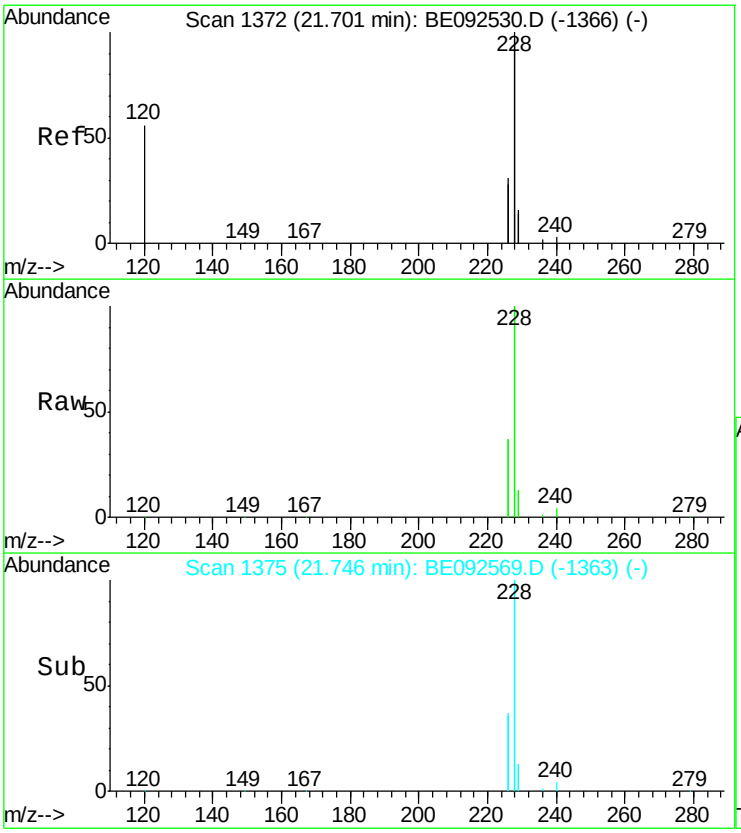
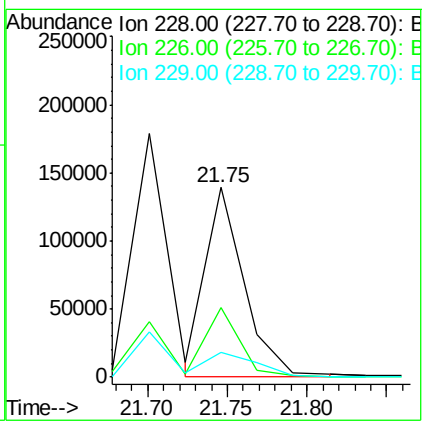


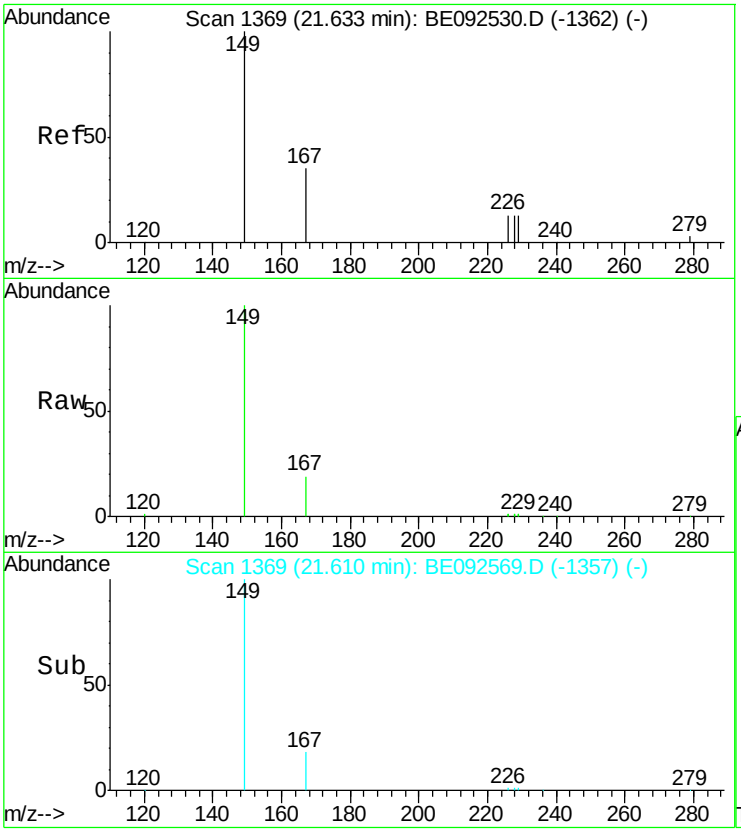


#28
Chrysene
Concen: 4.14 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:228 Resp: 239368

Ion	Ratio	Lower	Upper
228	100		
226	36.7	36.3	54.5
229	13.3	10.6	16.0

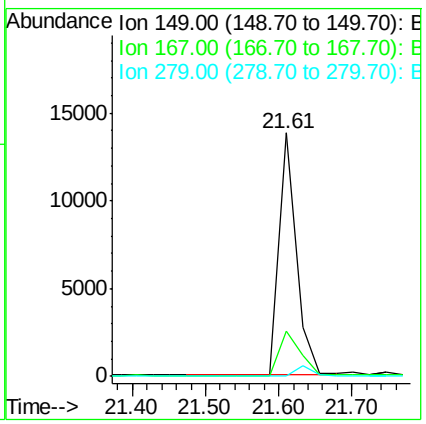




#29
Bis(2-ethylhexyl)phthalate
Concen: 5.14 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:149 Resp: 22725

Ion	Ratio	Lower	Upper
149	100		
167	22.7	16.0	24.0
279	0.0	16.0	24.0#



Instrument :
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ClientSampleId :
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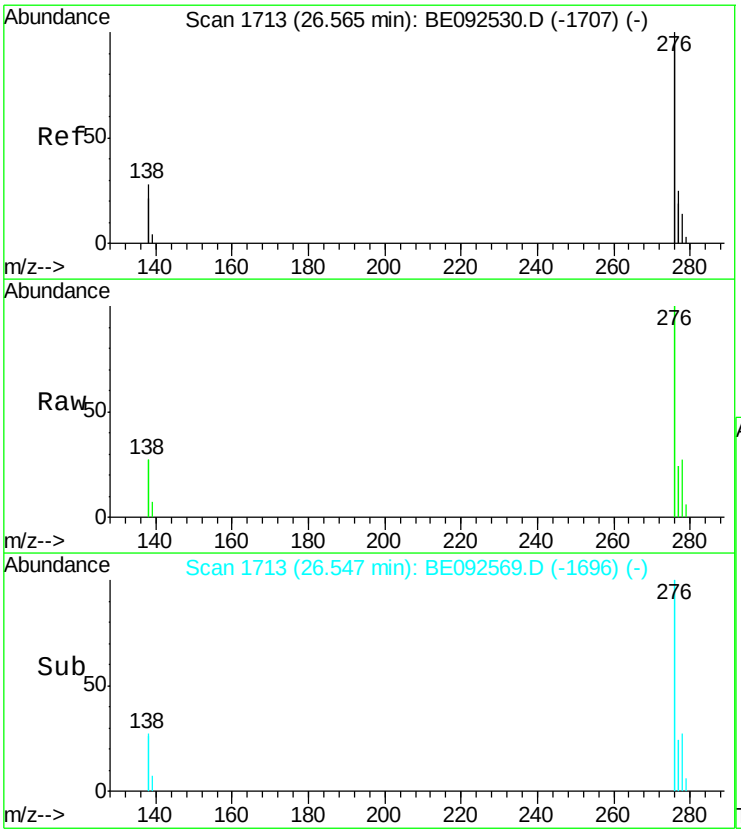
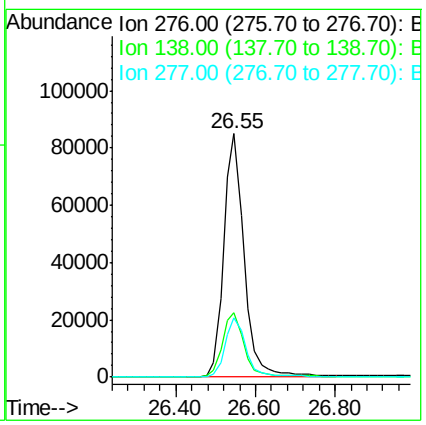
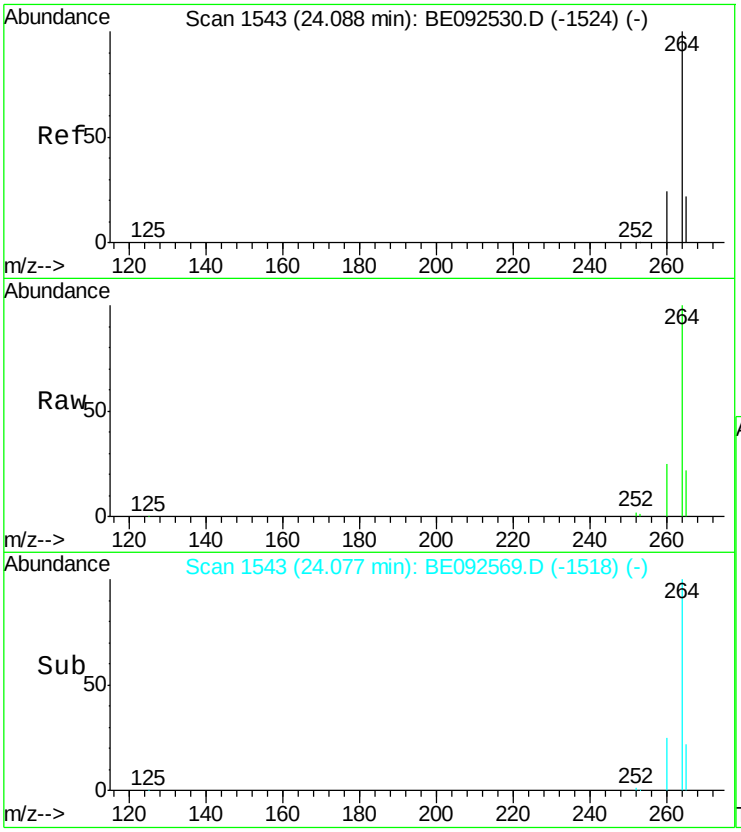


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.72 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:276 Resp: 298018

Ion	Ratio	Lower	Upper
276	100		
138	27.7	20.3	30.5
277	24.5	19.7	29.5

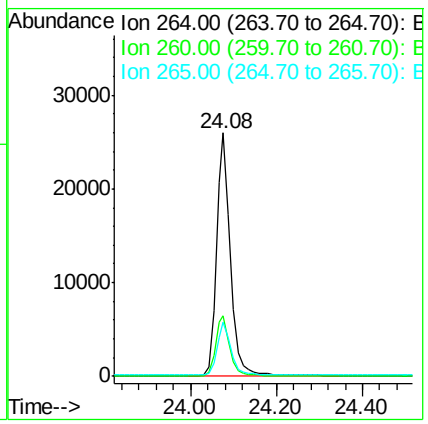




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:264 Resp: 59429

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	22.3	17.9	26.9



Instrument :
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ClientSampleId :
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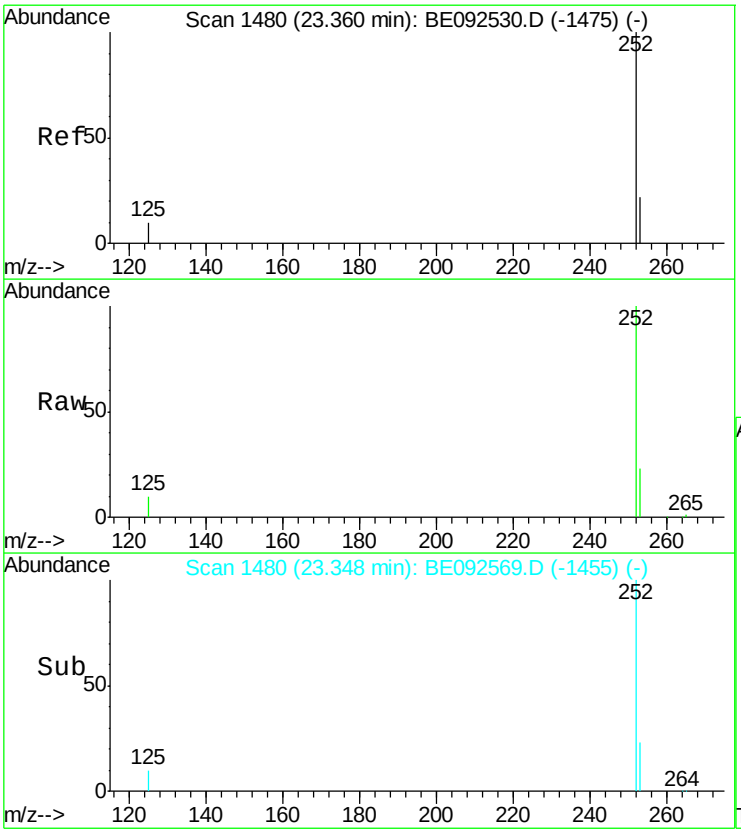
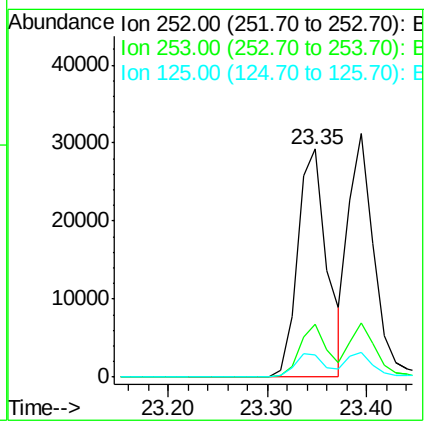
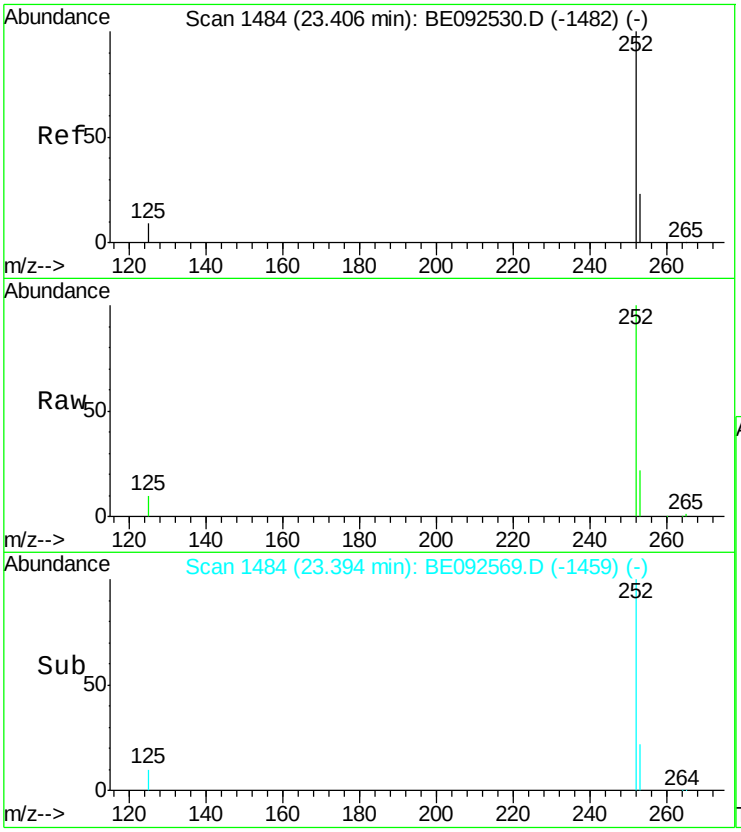


#32
Benzo(b)fluoranthene
Concen: 4.13 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:252 Resp: 59507

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	10.0	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 3.75 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:252 Resp: 56610

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

Instrument :
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ClientSampleId :
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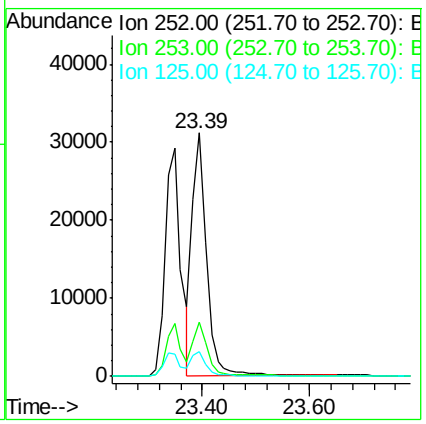
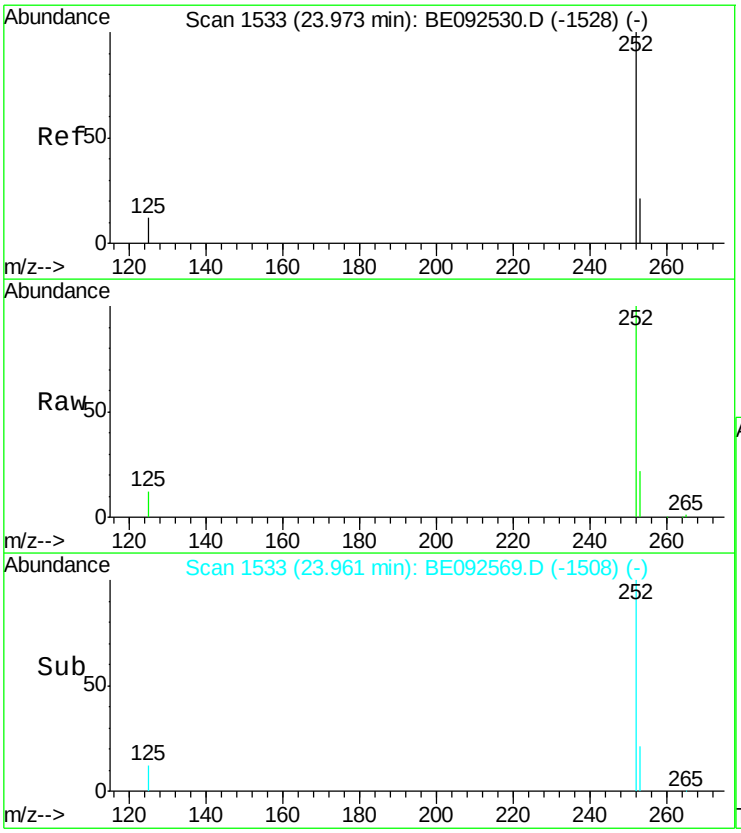
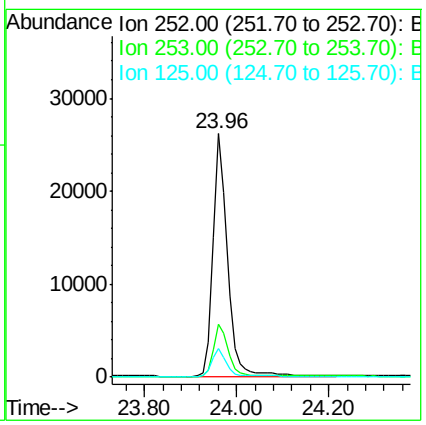


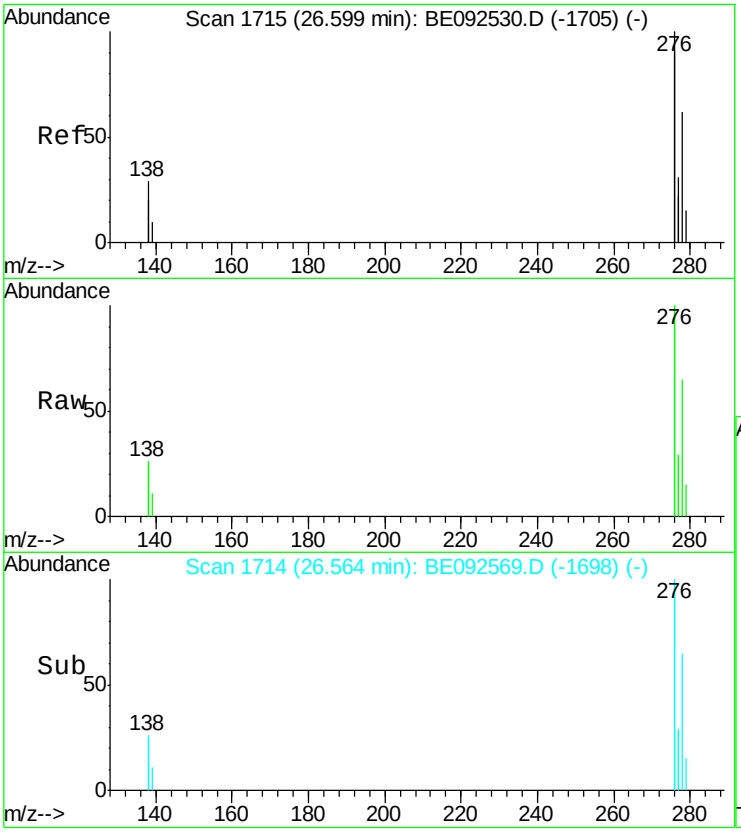


#34
Benzo(a)pyrene
Concen: 4.28 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:252 Resp: 57112

Ion	Ratio	Lower	Upper
252	100		
253	21.6	19.0	28.6
125	11.8	11.8	17.8#

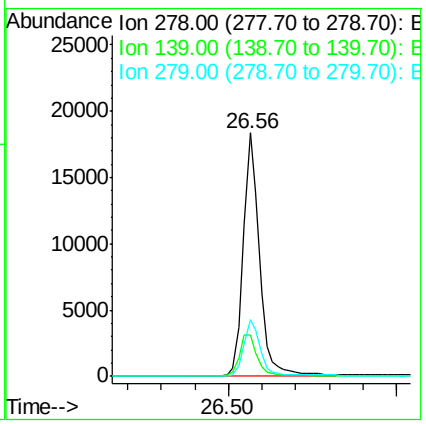




#35
Dibenzo(a,h)anthracene
Concen: 4.65 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.03 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:278 Resp: 61326

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.8	20.8
279	23.6	21.4	32.2



Instrument :
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ClientSampleId :
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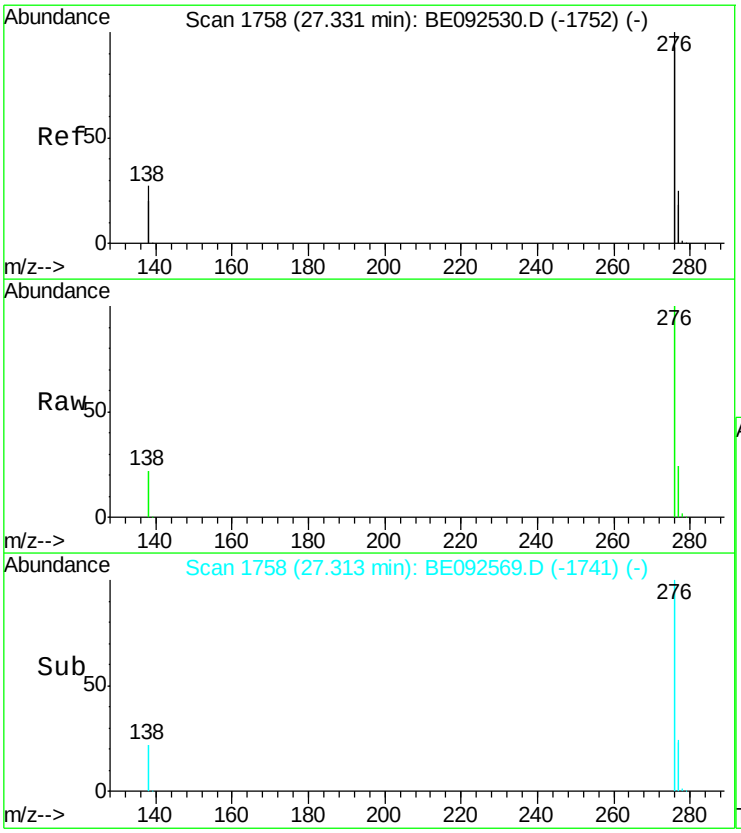

#36
Benzo(g,h,i)perylene
Concen: 4.62 ng
RT: 27.31 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BE092569.D
Acq: 18 Nov 2016 16:57

Tgt Ion:276 Resp: 258350

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.8	29.8
138	22.3	19.8	29.6