Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090216\
Data File : BE092352.D
Acq On : 2 Sep 2016 20:29
Operator : UM/SJ
Sample : PB93162BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB93162BS

Manual Integrations APPROVED
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9/6/2016 1:15:27 PM

Quant Time: Sep 02 23:52:31 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	8.17	152	10332	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	46507	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	24846	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	49028	5.00	ng		0.02
24) Chrysene-d12	21.75	240	59356	5.00	ng		0.00
31) Perylene-d12	24.11	264	48683	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	23033	9.38	ng		0.00
5) Phenol-d6	7.34	99	32051	9.78	ng		-0.02
8) Nitrobenzene-d5	9.34	82	14111	4.22	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	7224	9.39	ng		-0.01
14) 2-Fluorobiphenyl	13.44	172	31354	4.11	ng		0.00
26) Terphenyl-d14	20.17	244	35413	4.03	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	4938	3.89	ng	#	86
3) n-Nitrosodimethylamine	3.77	42	8021	4.88	ng	#	99
6) bis(2-Chloroethyl)ether	7.59	93	13640	4.35	ng		91
9) Naphthalene	11.01	128	42641	4.09	ng	#	94
10) Hexachlorobutadiene	11.30	225	6471	3.98	ng		99
11) 2-Methylnaphthalene	12.62	142	29317	4.30	ng		97
15) Acenaphthylene	14.53	152	184485	4.31	ng		100
16) Acenaphthene	14.88	154	27347	3.95	ng		93
17) Fluorene	15.87	166	35413	4.08	ng		99
19) Hexachlorobenzene	16.89	284	10621	4.52	ng	#	63
20) Pentachlorophenol	17.23	266	8346	6.78	ng		85
21) Phenanthrene	17.60	178	61425	4.46	ng	#	94
22) Anthracene	17.70	178	57661	4.70	ng		99
23) Fluoranthene	19.61	202	241694	4.02	ng		99
25) Pyrene	19.97	202	254342	4.40	ng		99
27) Benzo(a)anthracene	21.72	228	259090m	4.04	ng		
28) Chrysene	21.77	228	241094m	4.05	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	27040	3.04	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.60	276	277999	4.12	ng		98
32) Benzo(b)fluoranthene	23.37	252	62225	4.98	ng		95
33) Benzo(k)fluoranthene	23.43	252	52474	3.97	ng		95
34) Benzo(a)pyrene	24.00	252	55567	4.51	ng	#	94
35) Dibenzo(a,h)anthracene	26.62	278	58282	5.11	ng		96
36) Benzo(g,h,i)perylene	27.37	276	244635	5.09	ng		97

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

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Misc :
ALS Vial : 13 Sample Multiplier: 1

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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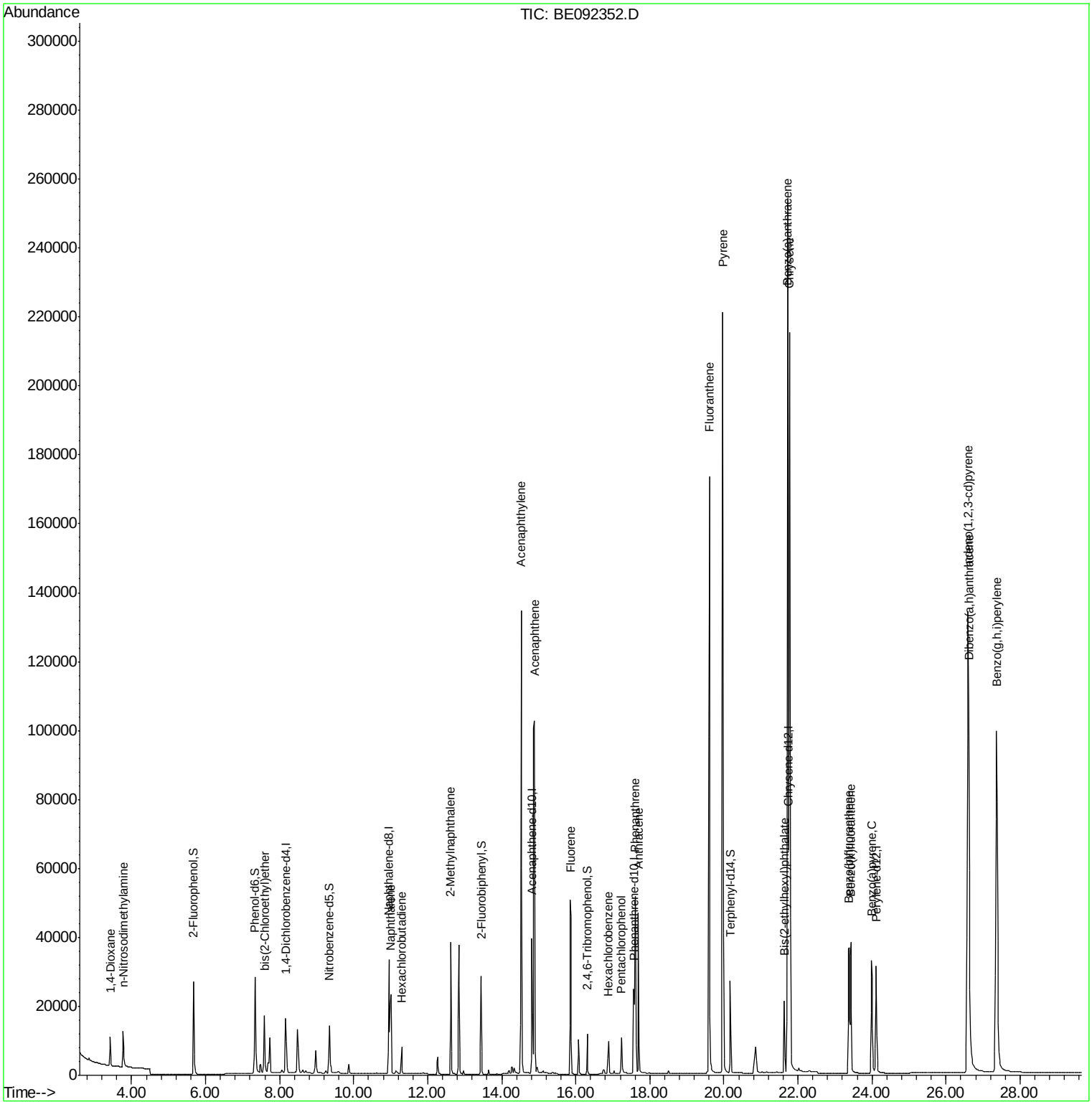
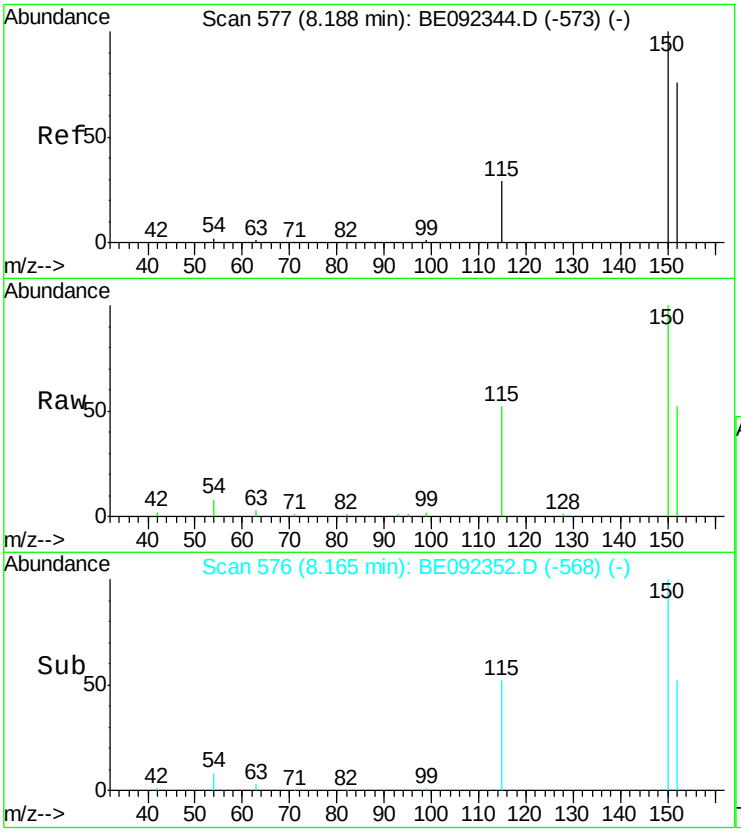
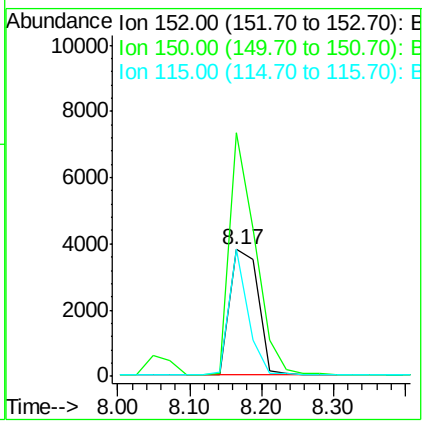




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:152 Resp: 10332

Ion	Ratio	Lower	Upper
152	100		
150	192.1	106.0	159.0#
115	100.5	31.2	46.8#



Instrument :
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ClientSampleId :
PB93162BS

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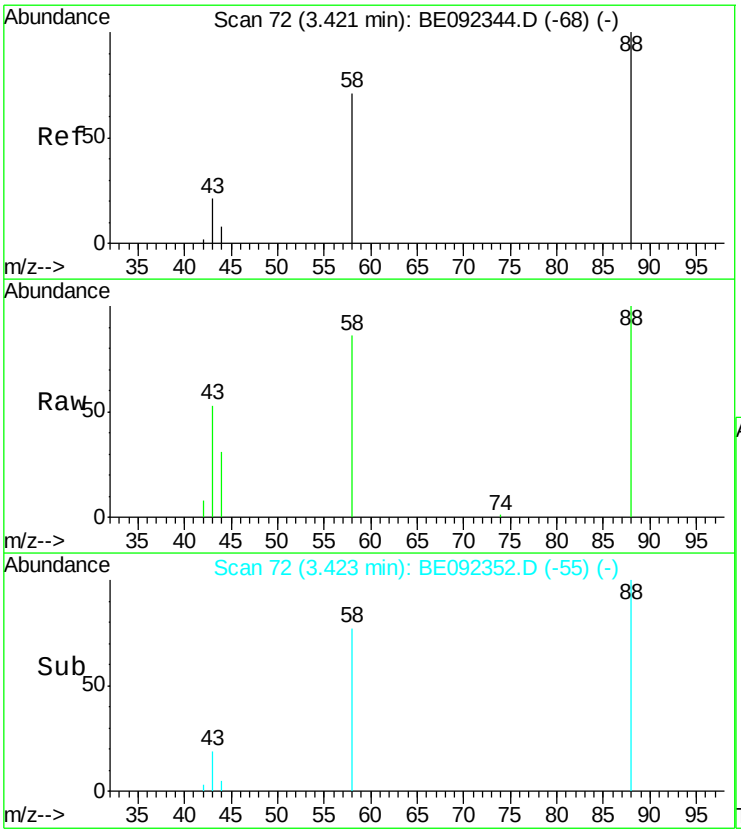
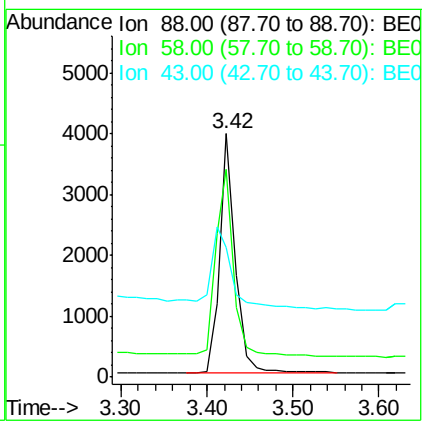
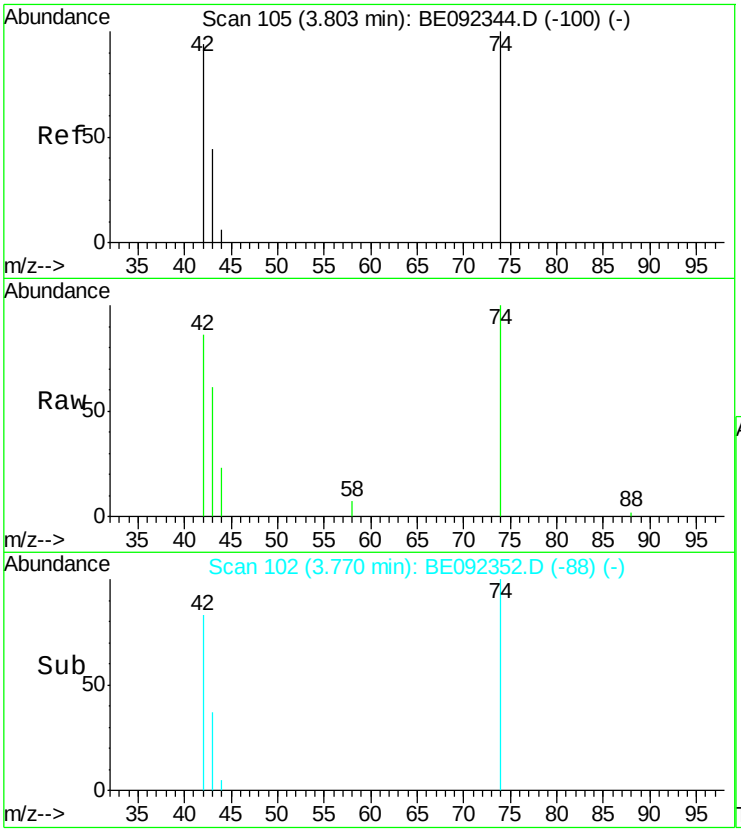


#2
1,4-Dioxane
Concen: 3.89 ng
RT: 3.42 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion: 88 Resp: 4938

Ion	Ratio	Lower	Upper
88	100		
58	90.0	63.6	95.4
43	46.7	28.0	42.0#

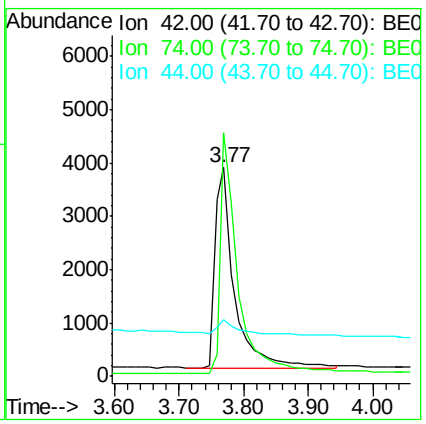




#3
n-Nitrosodimethylamine
Concen: 4.88 ng
RT: 3.77 min Scan# 102
Delta R.T. -0.03 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion: 42 Resp: 8021

Ion	Ratio	Lower	Upper
42	100		
74	106.5	86.0	129.0
44	9.6	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB93162BS

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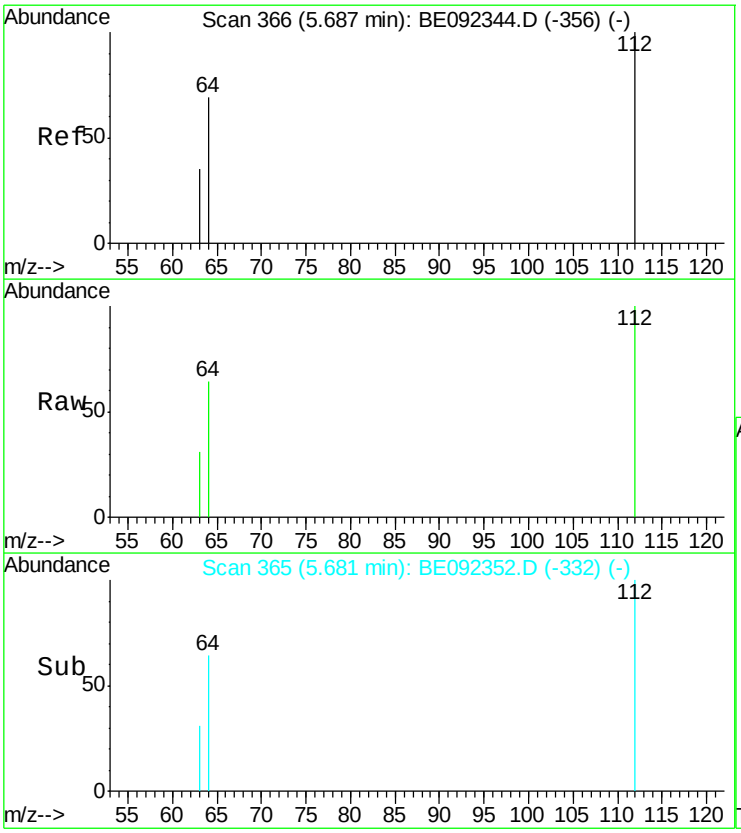
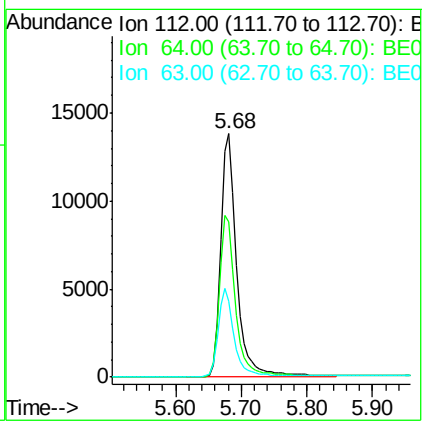
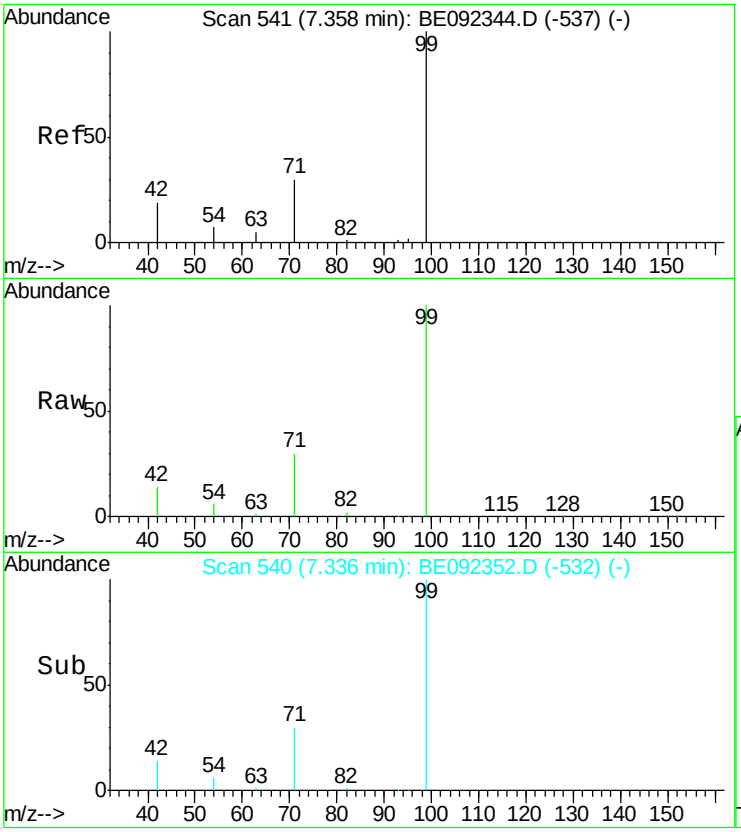


#4
2-Fluorophenol
Concen: 9.38 ng
RT: 5.68 min Scan# 365
Delta R.T. -0.01 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:112 Resp: 23033

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.5	80.3
63	35.7	27.9	41.9

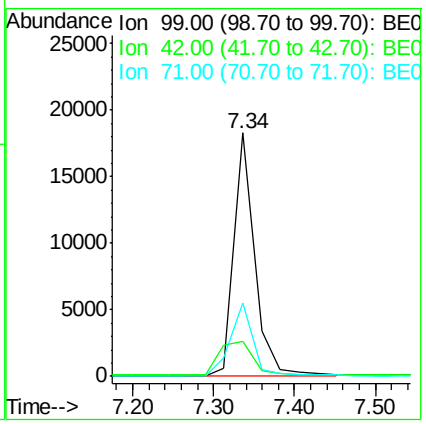




#5
Phenol-d6
Concen: 9.78 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion: 99 Resp: 32051

Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.0	24.0
71	32.4	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
PB93162BS

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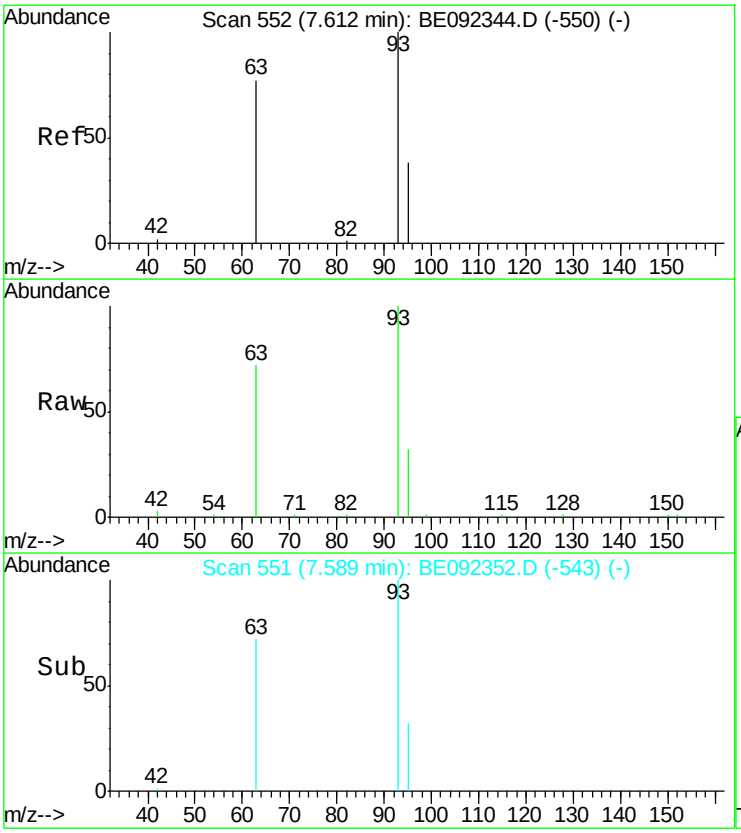
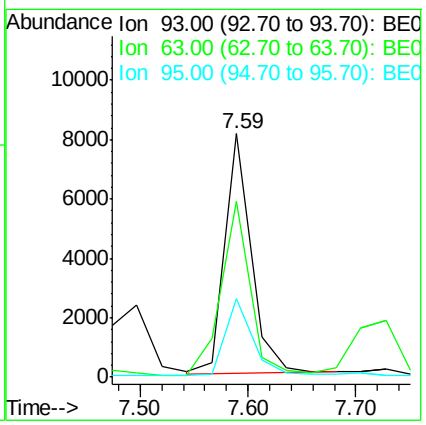
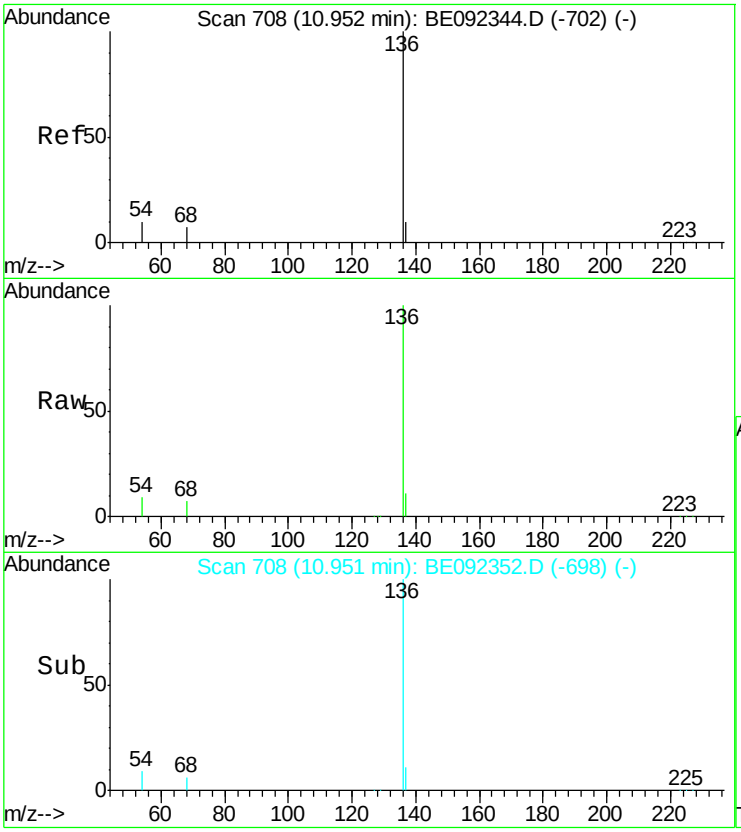


#6
bis(2-Chloroethyl)ether
Concen: 4.35 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion: 93 Resp: 13640

Ion	Ratio	Lower	Upper
93	100		
63	79.9	71.6	107.4
95	33.5	24.0	36.0

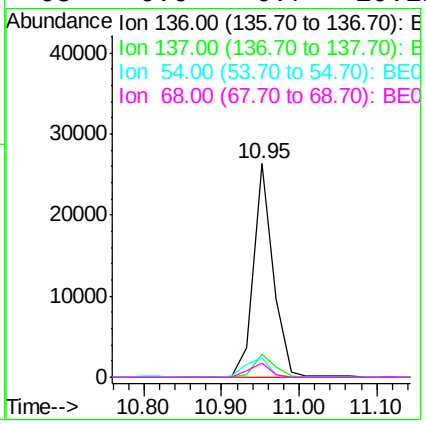




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:136 Resp: 46507

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	9.0	9.6	14.4#
68	6.6	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB93162BS

Manual Integrations APPROVED
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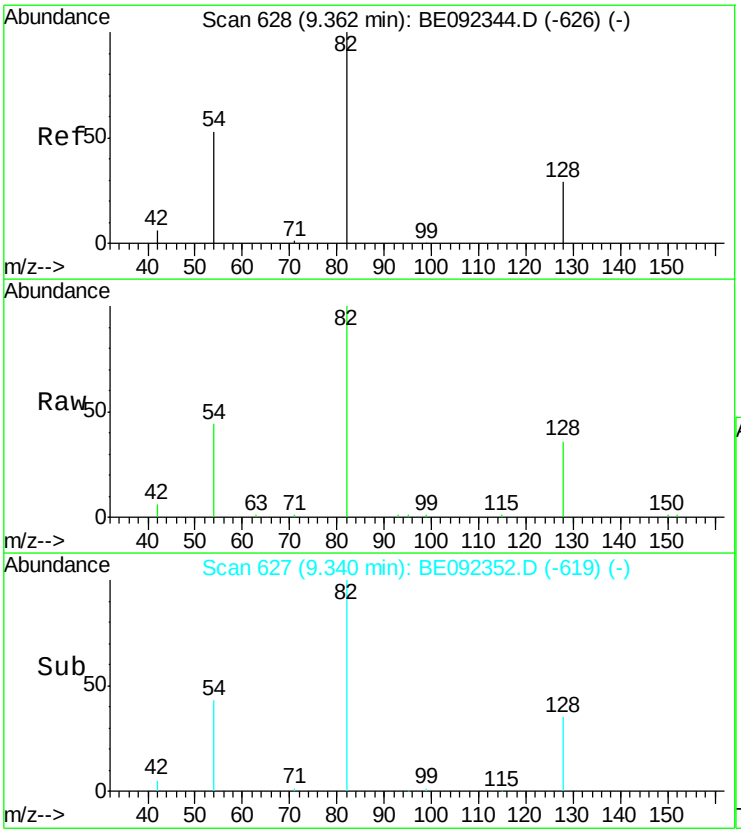
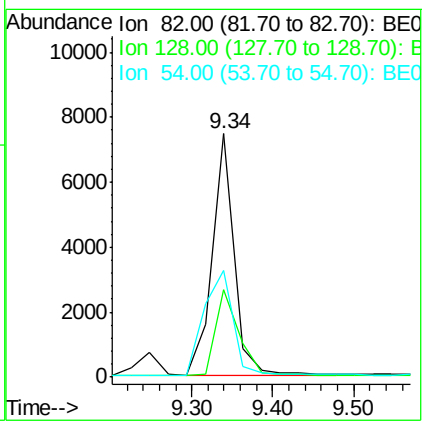
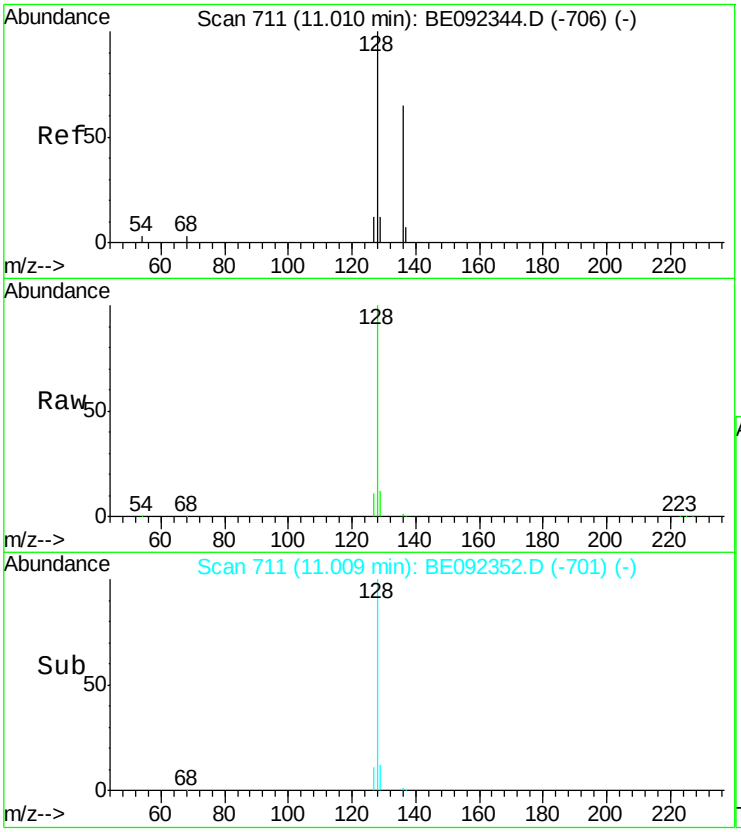


#8
Nitrobenzene-d5
Concen: 4.22 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion: 82 Resp: 14111

Ion	Ratio	Lower	Upper
82	100		
128	35.7	39.0	58.4#
54	43.8	44.8	67.2#

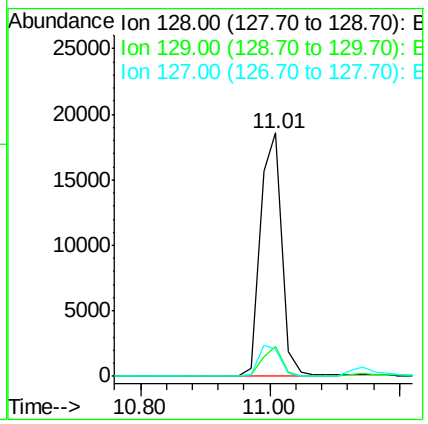




#9
Naphthalene
Concen: 4.09 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:128 Resp: 42641

Ion	Ratio	Lower	Upper
128	100		
129	12.3	11.2	16.8
127	11.3	11.6	17.4#



Instrument :
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ClientSampleId :
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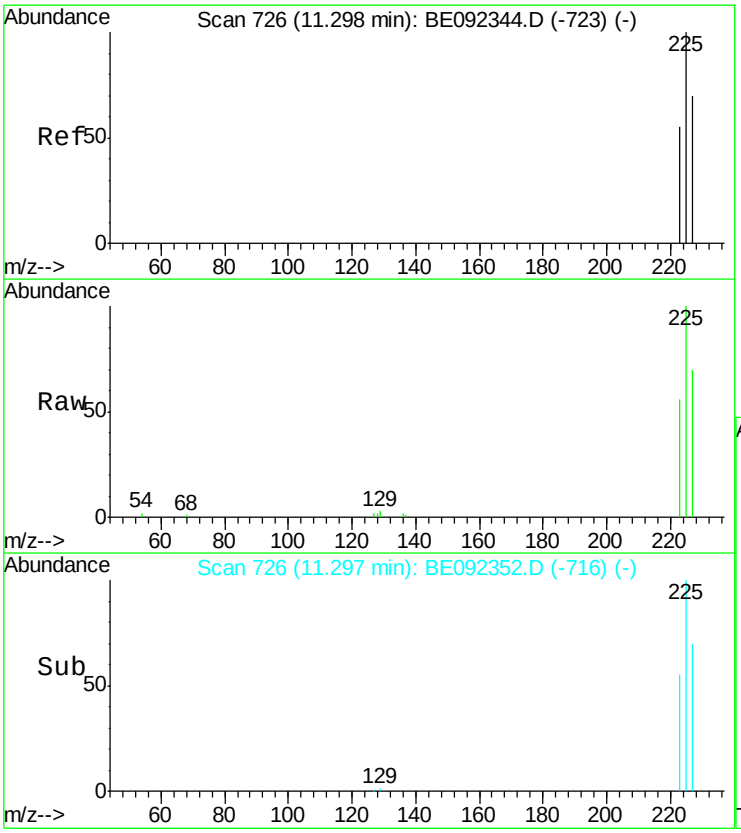
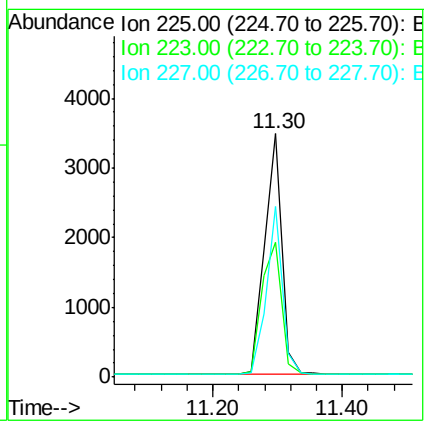
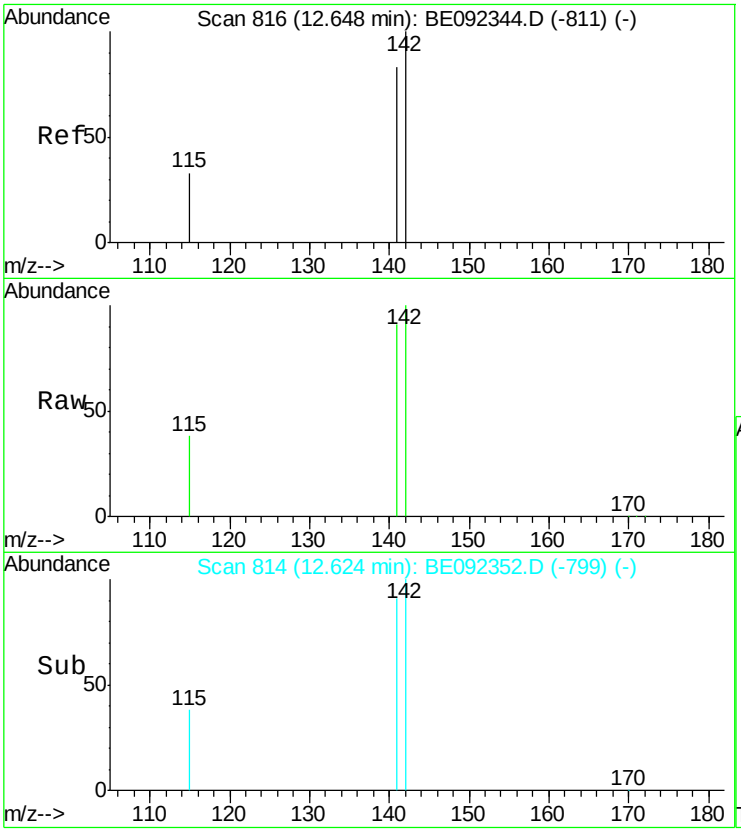


#10
Hexachlorobutadiene
Concen: 3.98 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:225 Resp: 6471

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.6	76.0
227	64.3	51.4	77.0

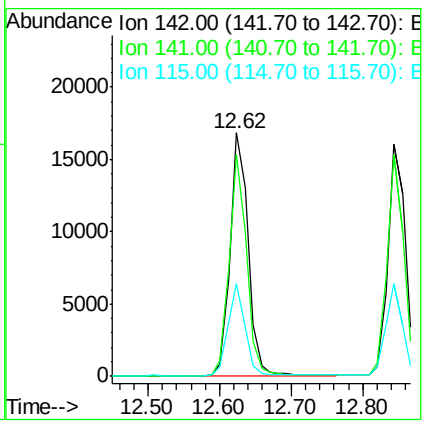




#11
2-Methylnaphthalene
Concen: 4.30 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:142 Resp: 29317

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.7	110.5
115	38.1	34.0	51.0



Instrument :
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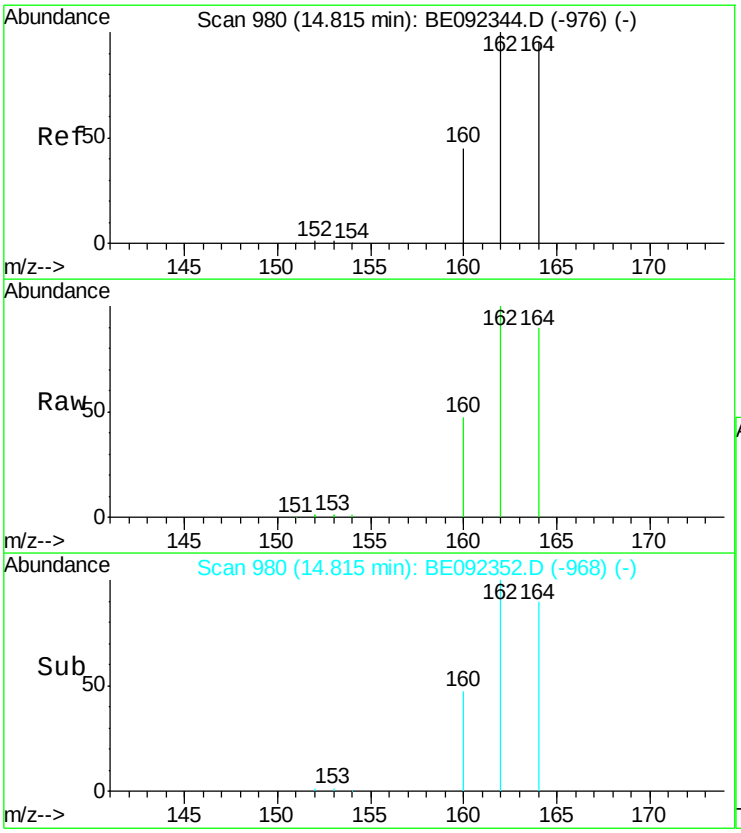
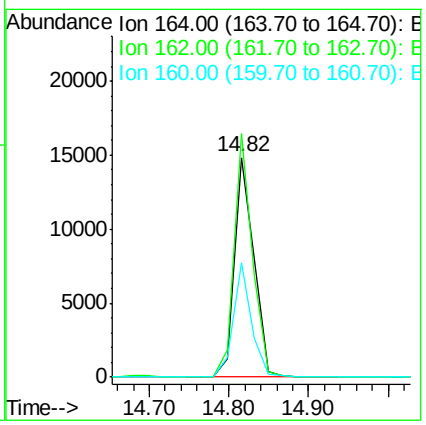
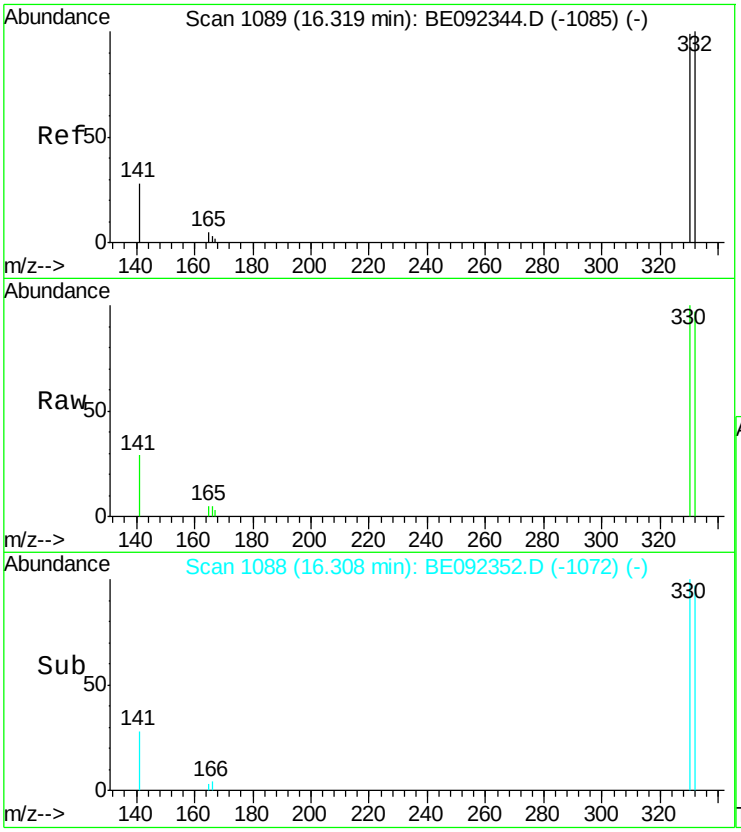


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:164 Resp: 24846

Ion	Ratio	Lower	Upper
164	100		
162	111.0	71.4	107.0#
160	52.3	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 9.39 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:330 Resp: 7224

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	42.0	31.0	46.6

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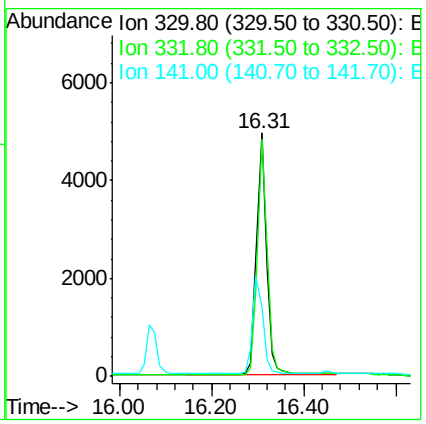
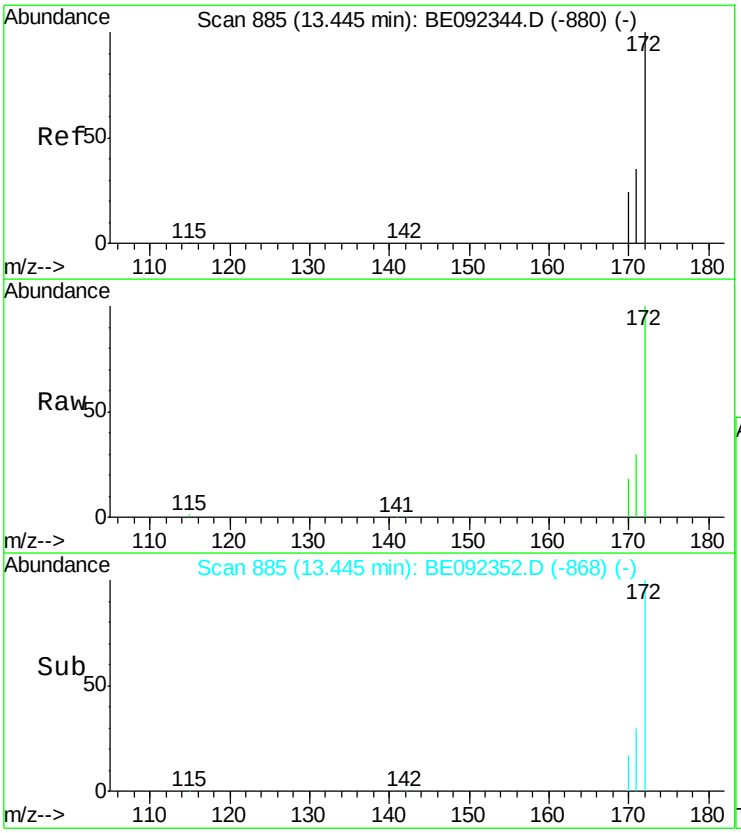
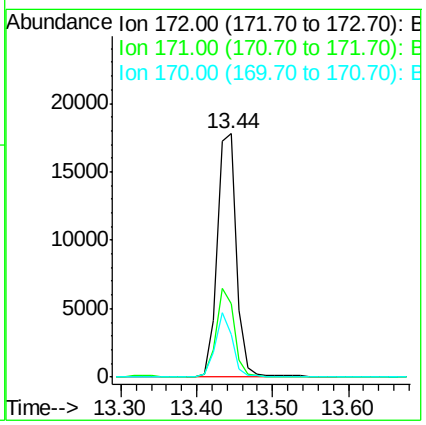


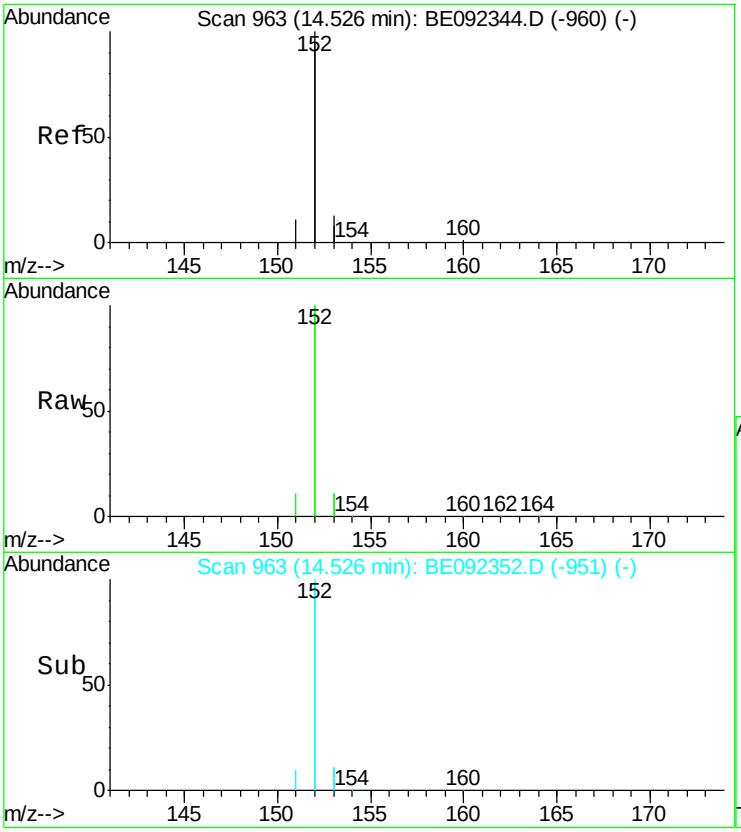


#14
2-Fluorobiphenyl
Concen: 4.11 ng
RT: 13.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:172 Resp: 31354

Ion	Ratio	Lower	Upper
172	100		
171	30.0	30.1	45.1#
170	17.5	21.8	32.6#

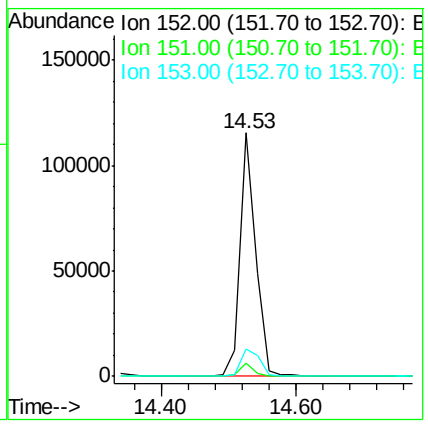




#15
Acenaphthylene
Concen: 4.31 ng
RT: 14.53 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:152 Resp: 184485

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



Instrument :
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ClientSampleId :
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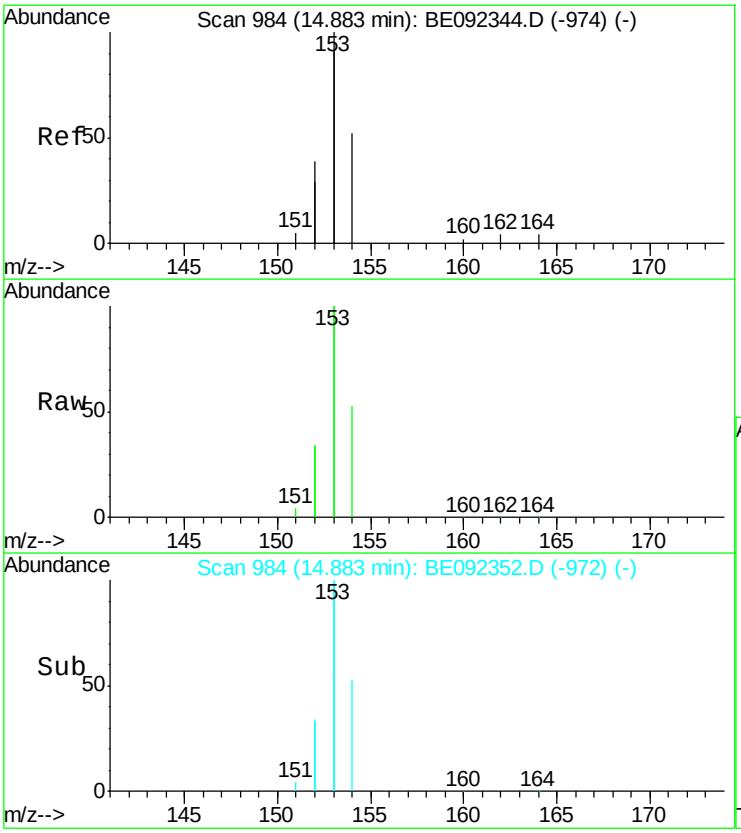
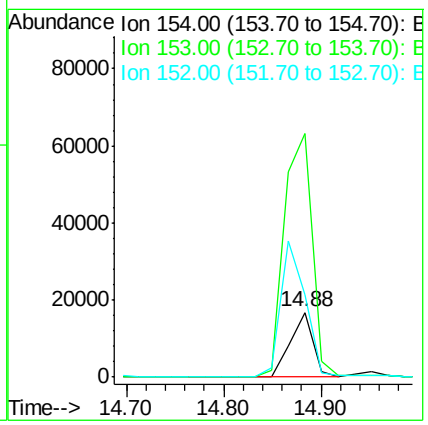
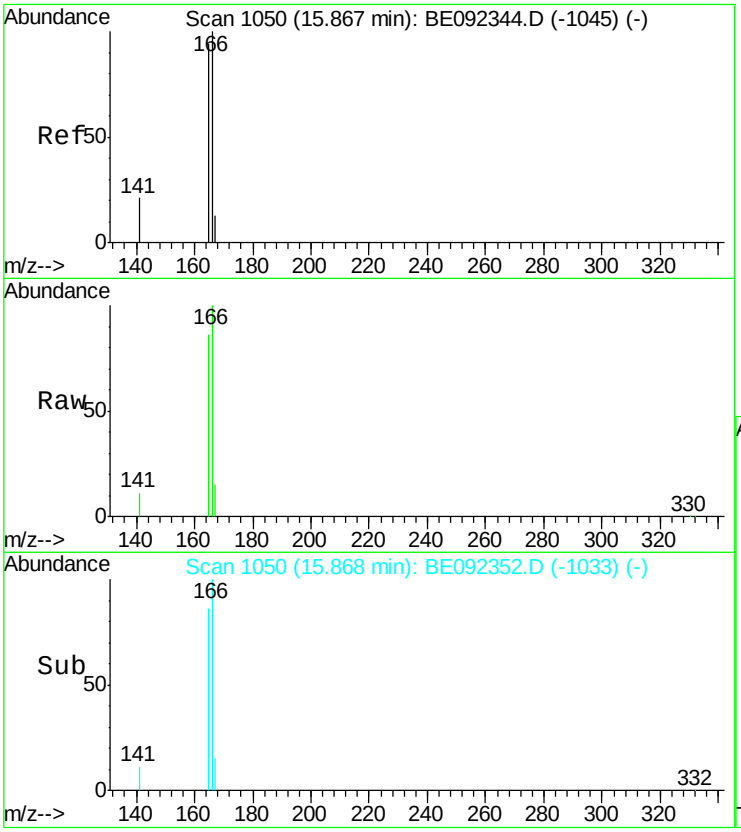


#16
Acenaphthene
Concen: 3.95 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:154 Resp: 27347

Ion	Ratio	Lower	Upper
154	100		
153	457.1	350.8	526.2
152	224.8	171.1	256.7

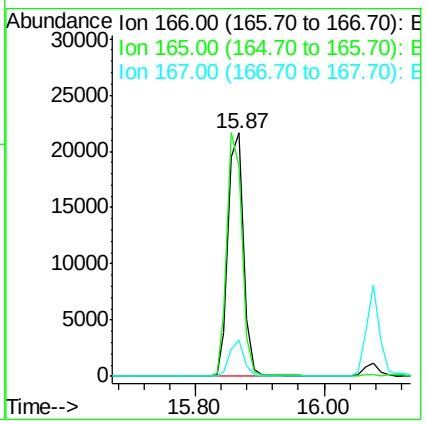




#17
Fluorene
Concen: 4.08 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:166 Resp: 35413

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.2	117.4
167	13.5	11.0	16.4



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ClientSampleId :
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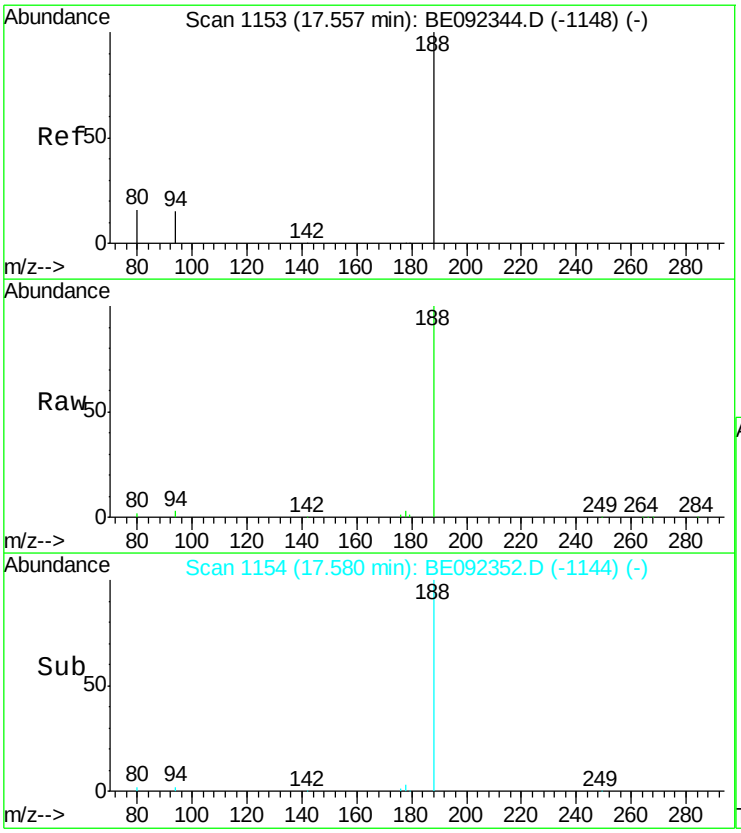
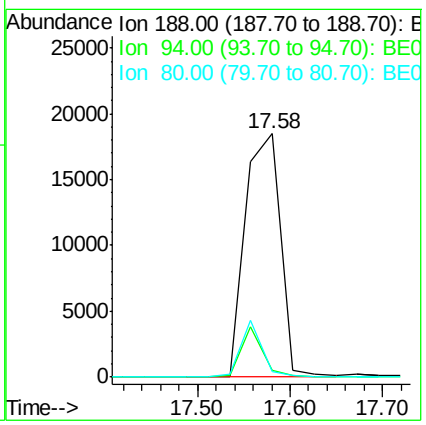
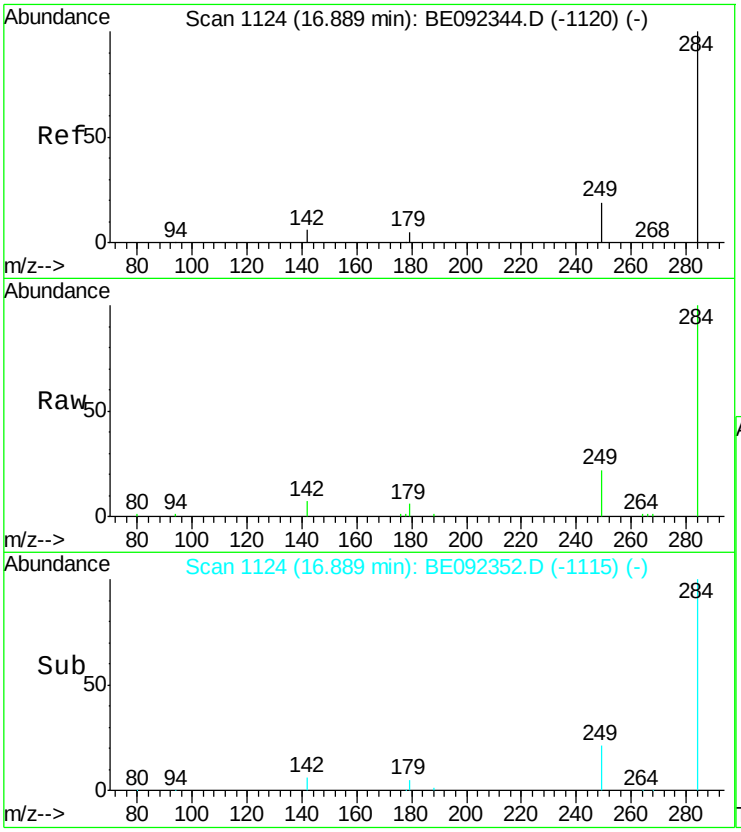


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:188 Resp: 49028

Ion	Ratio	Lower	Upper
188	100		
94	2.6	3.2	4.8#
80	2.1	2.6	3.8#





#19
Hexachlorobenzene
Concen: 4.52 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:284 Resp: 10621

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	27.8	27.9	41.9#

Instrument :
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ClientSampleId :
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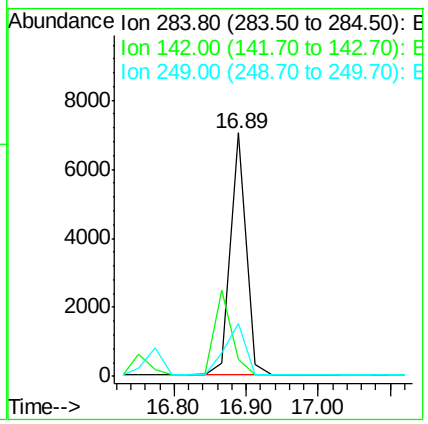
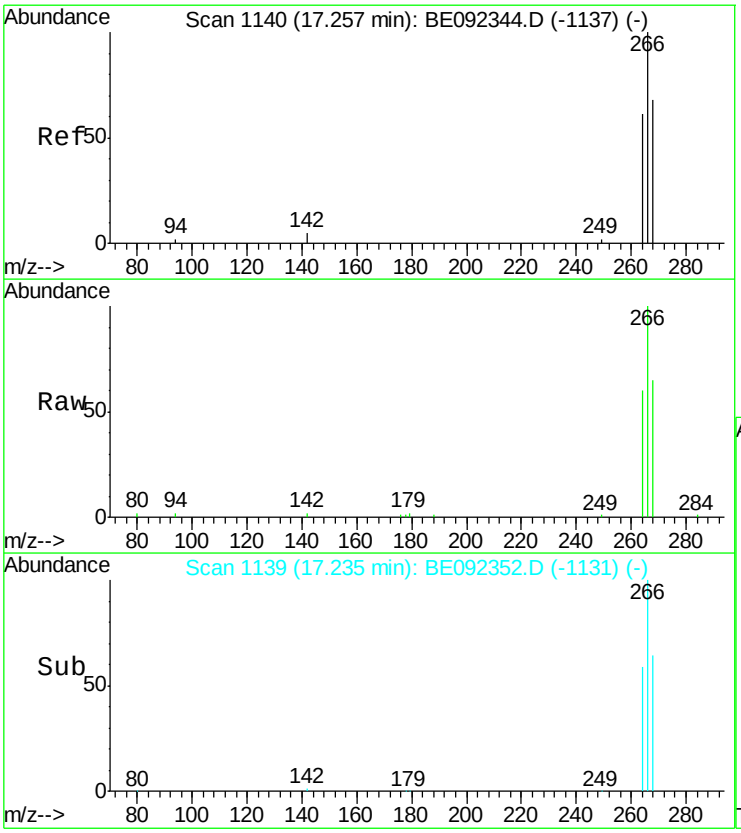
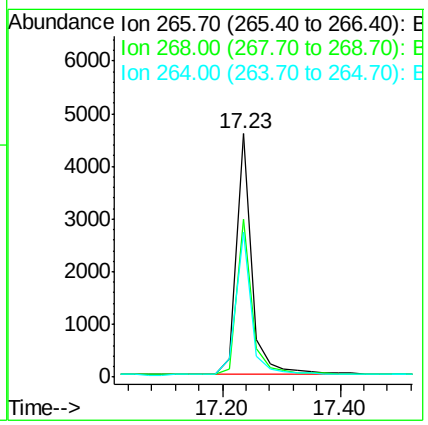


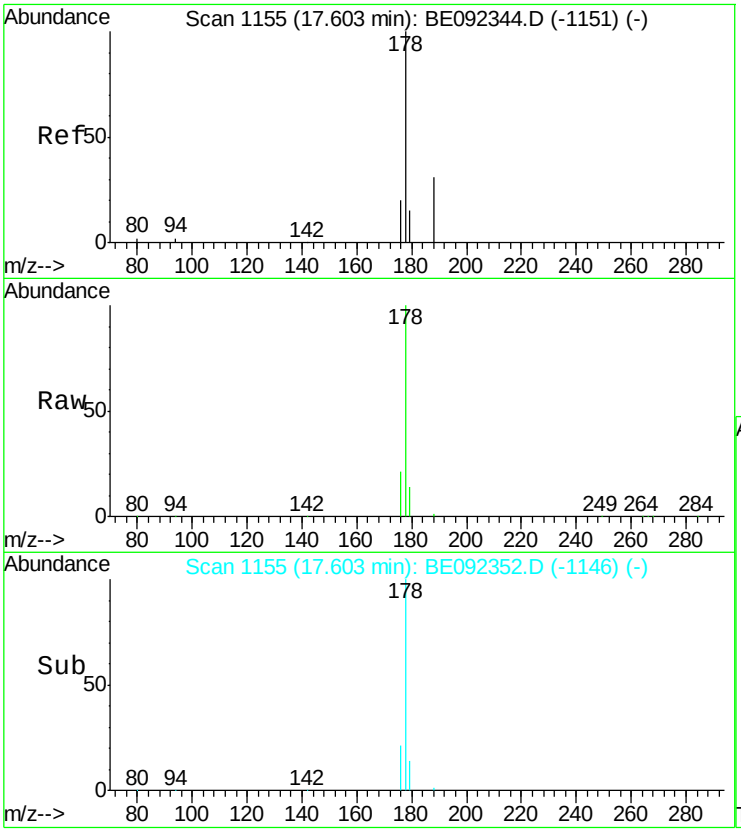


#20
Pentachlorophenol
Concen: 6.78 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:266 Resp: 8346

Ion	Ratio	Lower	Upper
266	100		
268	64.8	62.5	93.7
264	59.7	57.2	85.8

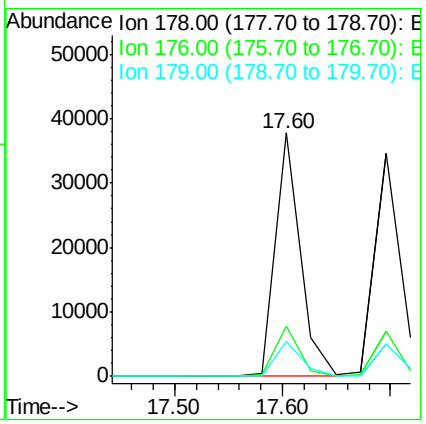




#21
Phenanthrene
Concen: 4.46 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:178 Resp: 61425

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	14.9	16.0	24.0#



Instrument :
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ClientSampleId :
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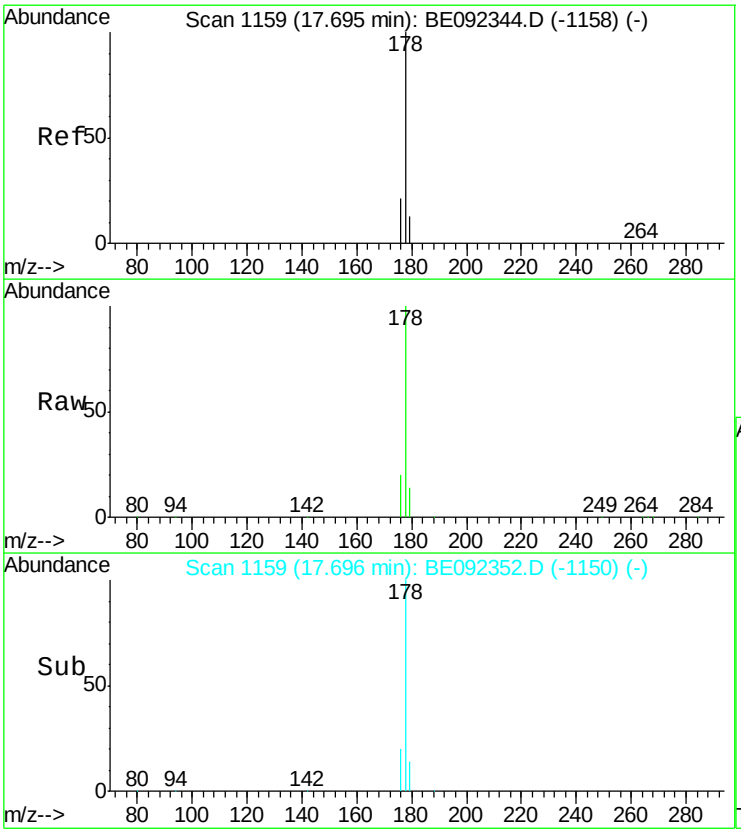
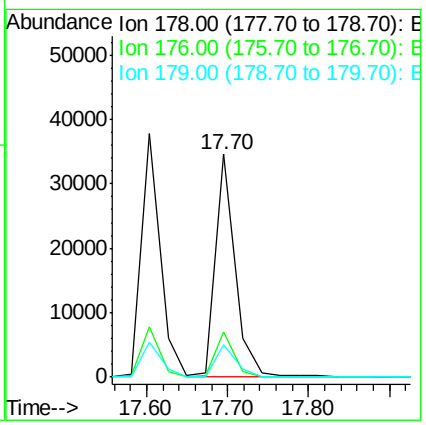
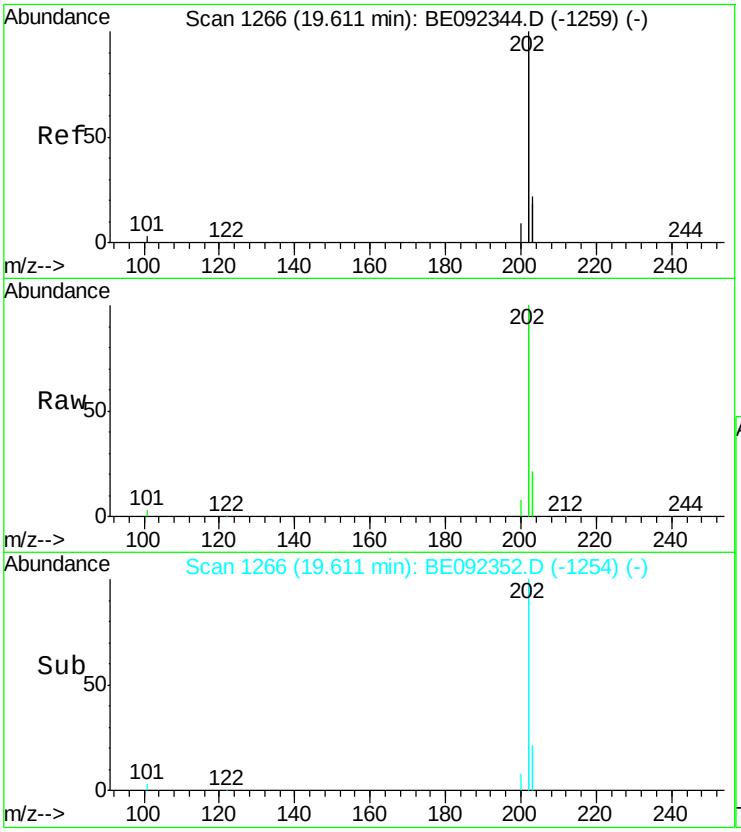


#22
Anthracene
Concen: 4.70 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:178 Resp: 57661

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	14.9	12.2	18.2

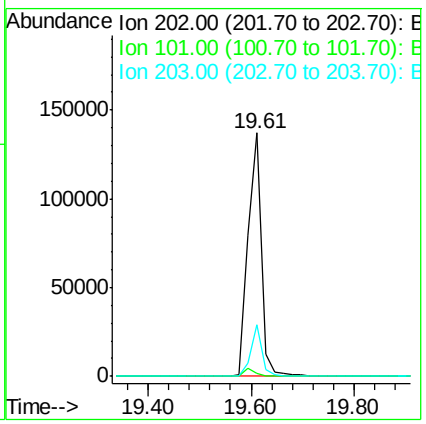




#23
Fluoranthene
Concen: 4.02 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:202 Resp: 241694

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



Instrument :
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ClientSampleId :
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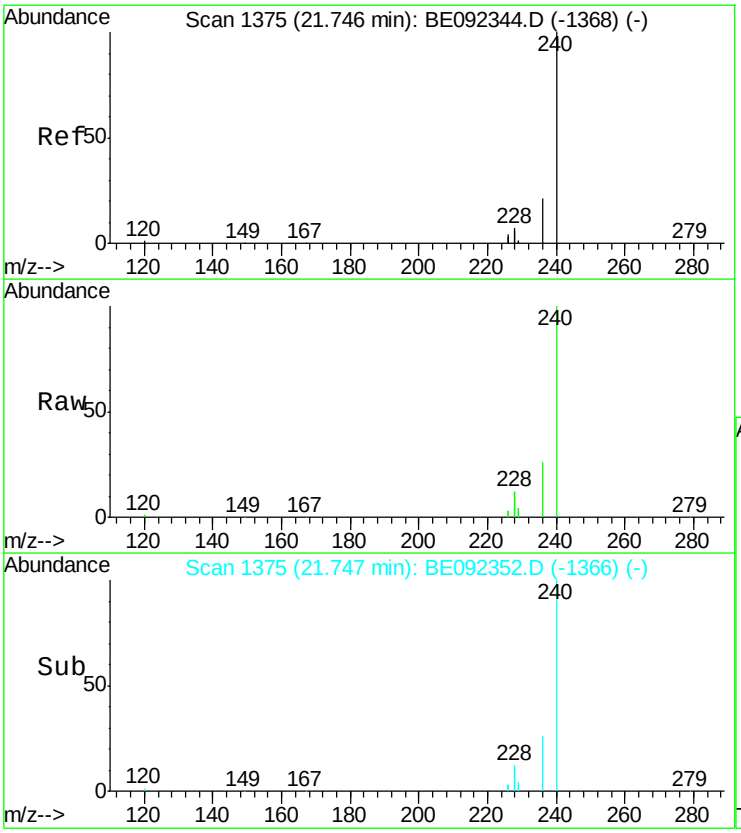
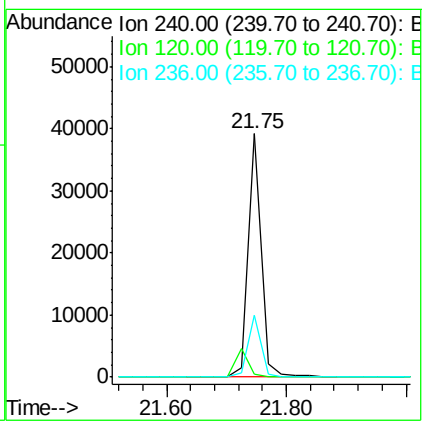
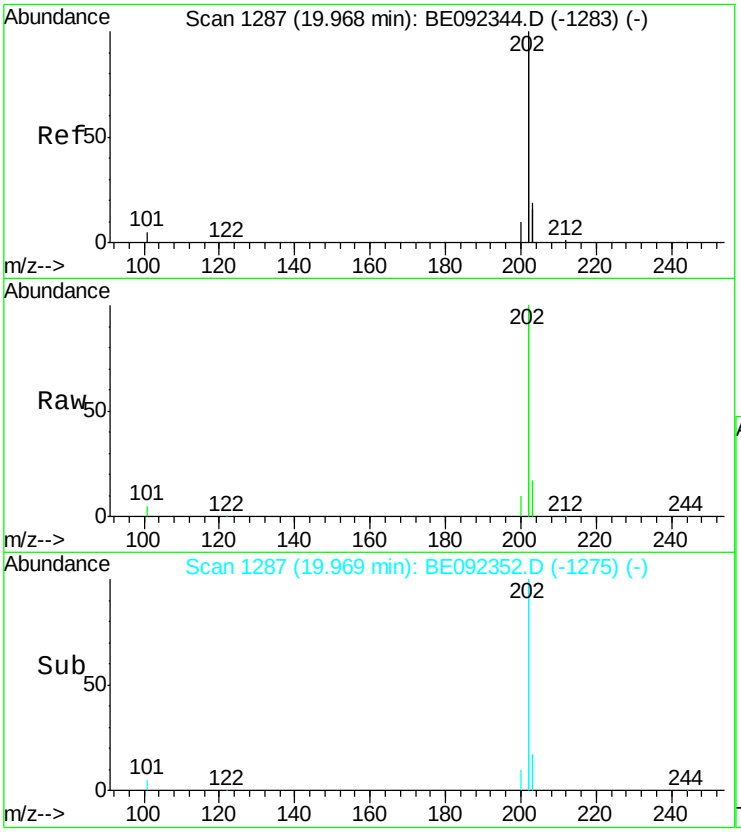


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:240 Resp: 59356

Ion	Ratio	Lower	Upper
240	100		
120	1.3	2.6	4.0#
236	25.6	24.6	37.0





#25
Pyrene
Concen: 4.40 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:202 Resp: 254342

Ion	Ratio	Lower	Upper
202	100		
200	5.5	4.2	6.4
203	17.8	13.9	20.9

Instrument :
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ClientSampleId :
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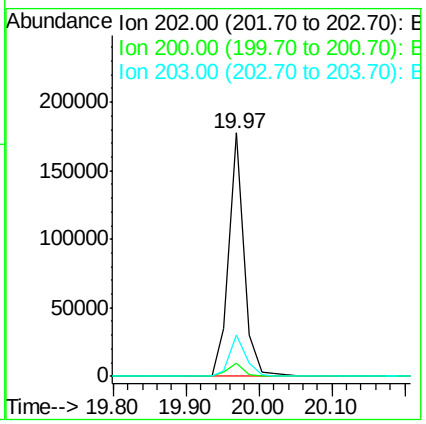
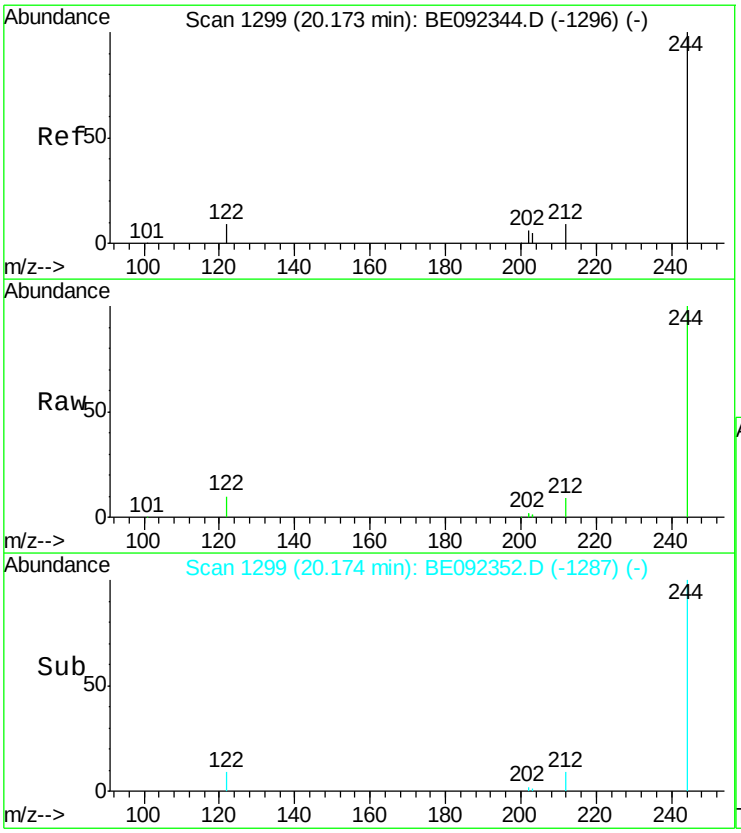
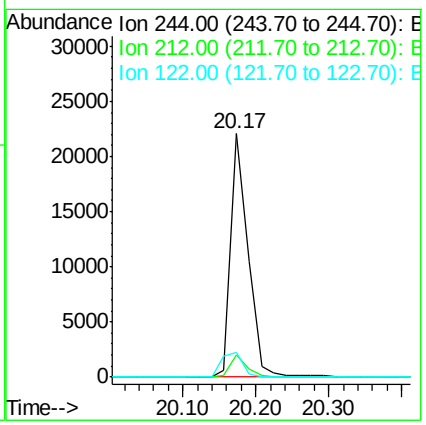


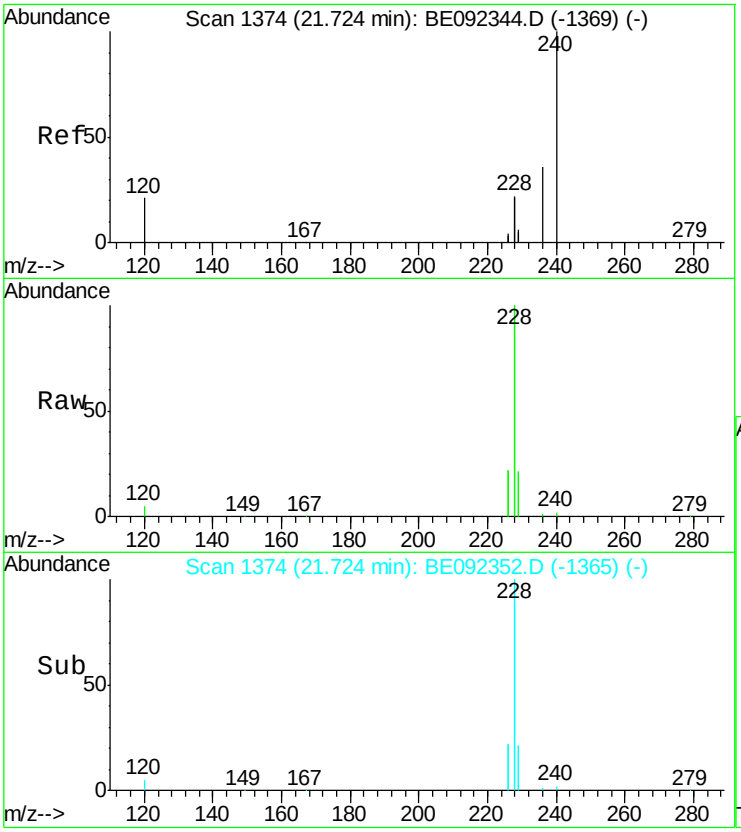


#26
Terphenyl-d14
Concen: 4.03 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:244 Resp: 35413

Ion	Ratio	Lower	Upper
244	100		
212	9.2	6.7	10.1
122	10.2	3.6	5.4#

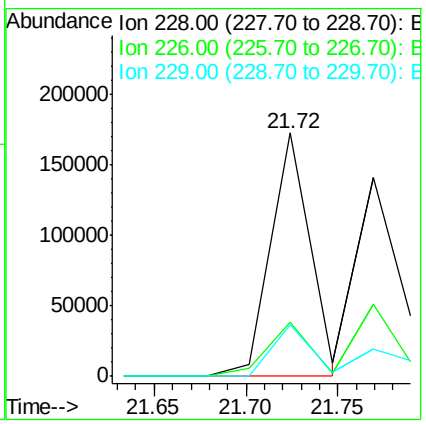




#27
Benzo(a)anthracene
Concen: 4.04 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:228 Resp: 259090

Ion	Ratio	Lower	Upper
228	100		
226	22.0	23.6	35.4#
229	21.1	13.3	19.9#



Instrument :
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ClientSampleId :
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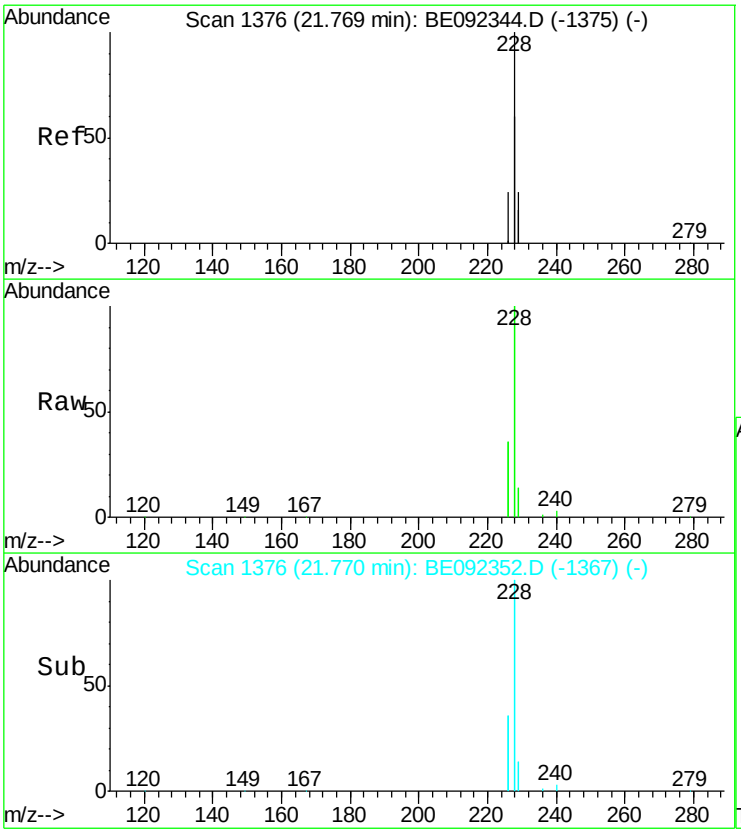
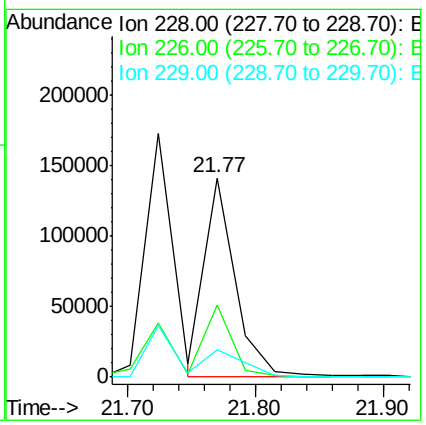
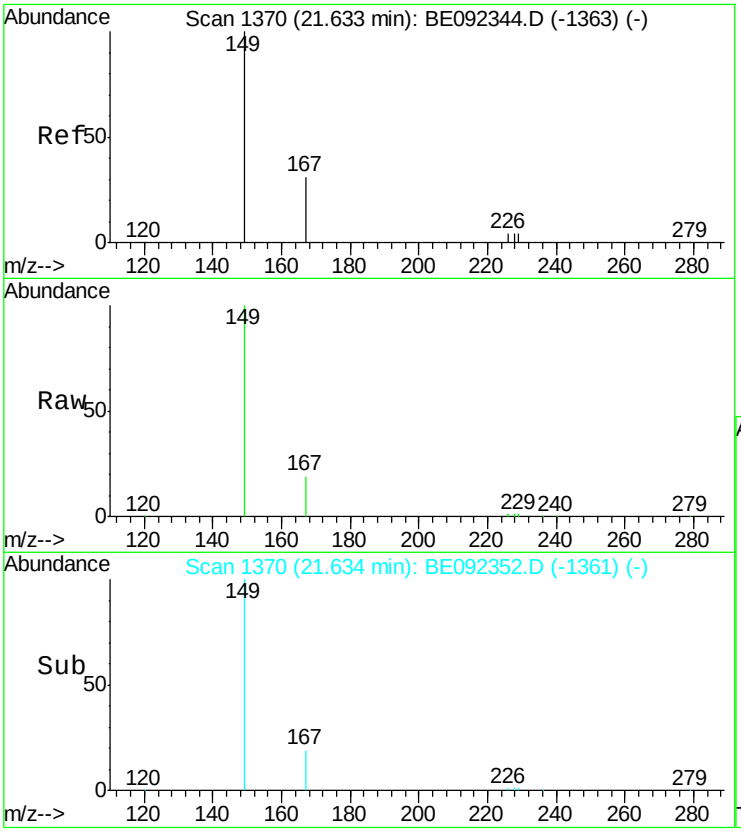


#28
Chrysene
Concen: 4.05 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:228 Resp: 241094

Ion	Ratio	Lower	Upper
228	100		
226	36.2	36.3	54.5#
229	14.0	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 3.04 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:149 Resp: 27040

Ion	Ratio	Lower	Upper
149	100		
167	22.0	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
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ClientSampleId :
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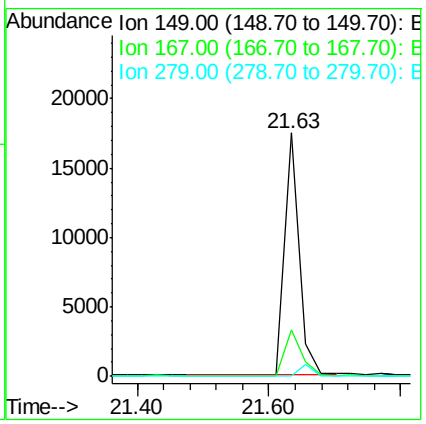
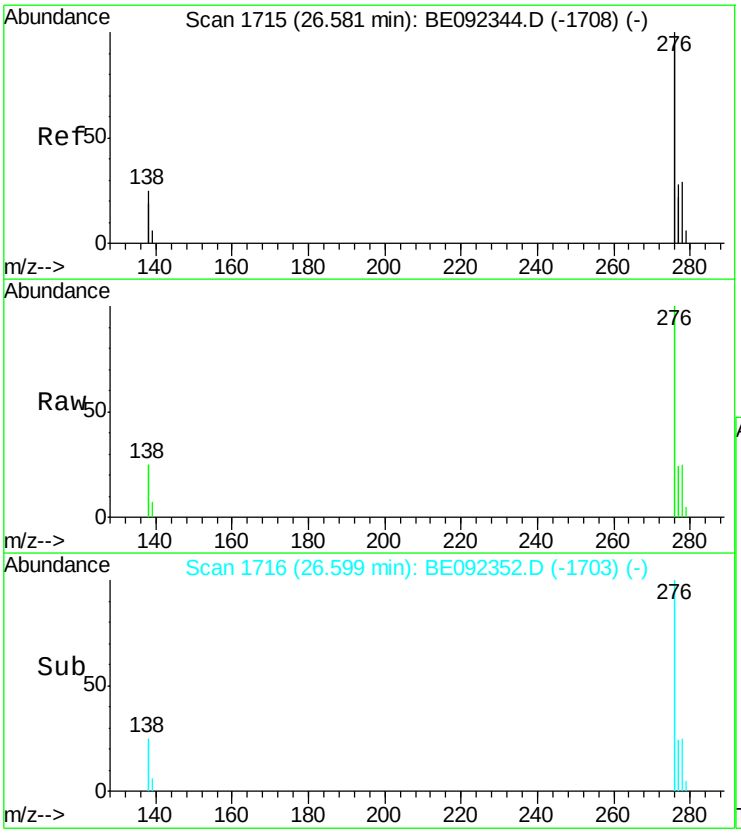
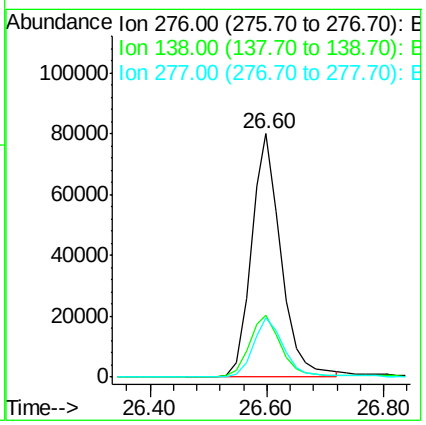


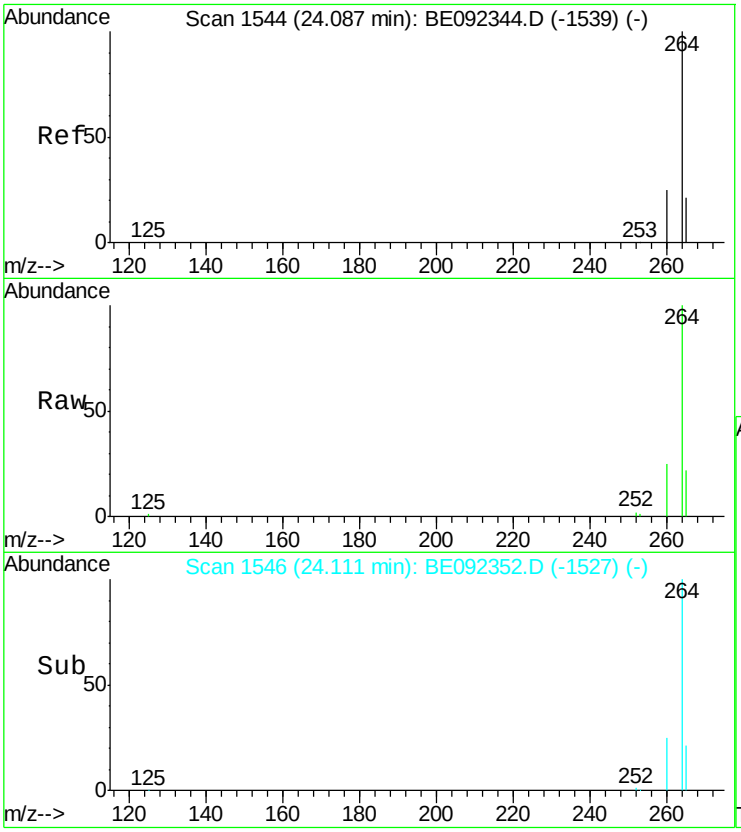


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.12 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:276 Resp: 277999

Ion	Ratio	Lower	Upper
276	100		
138	26.9	20.3	30.5
277	24.7	19.7	29.5

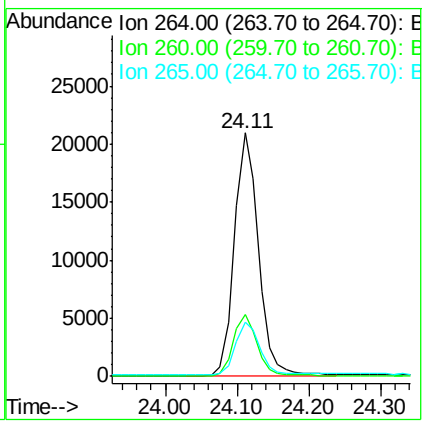




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. 0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:264 Resp: 48683

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	22.0	17.9	26.9



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ClientSampleId :
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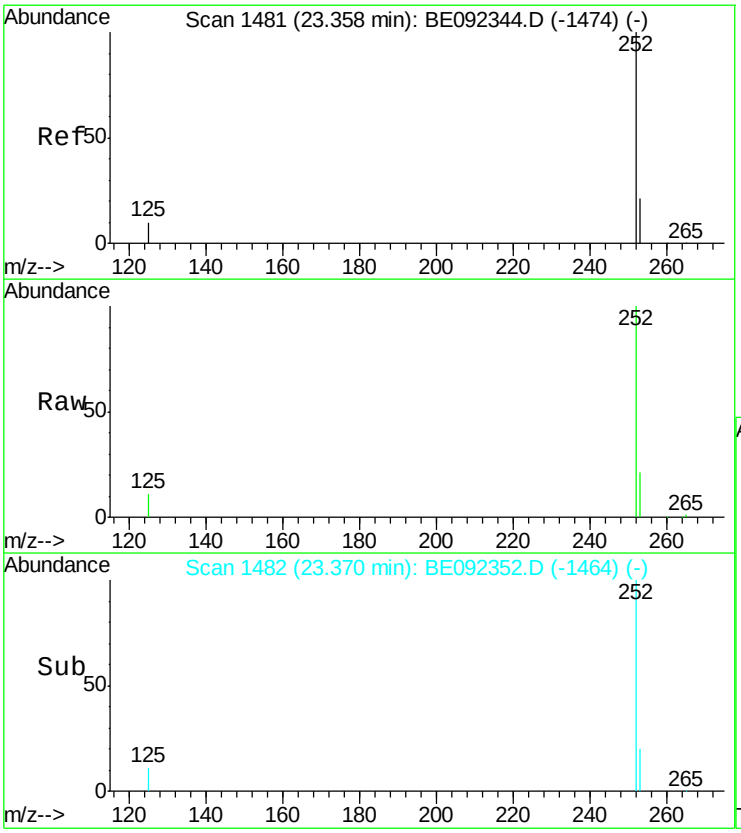
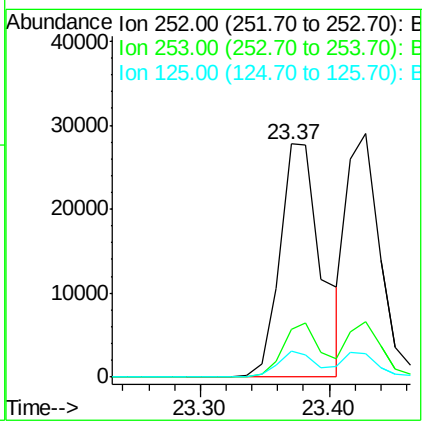
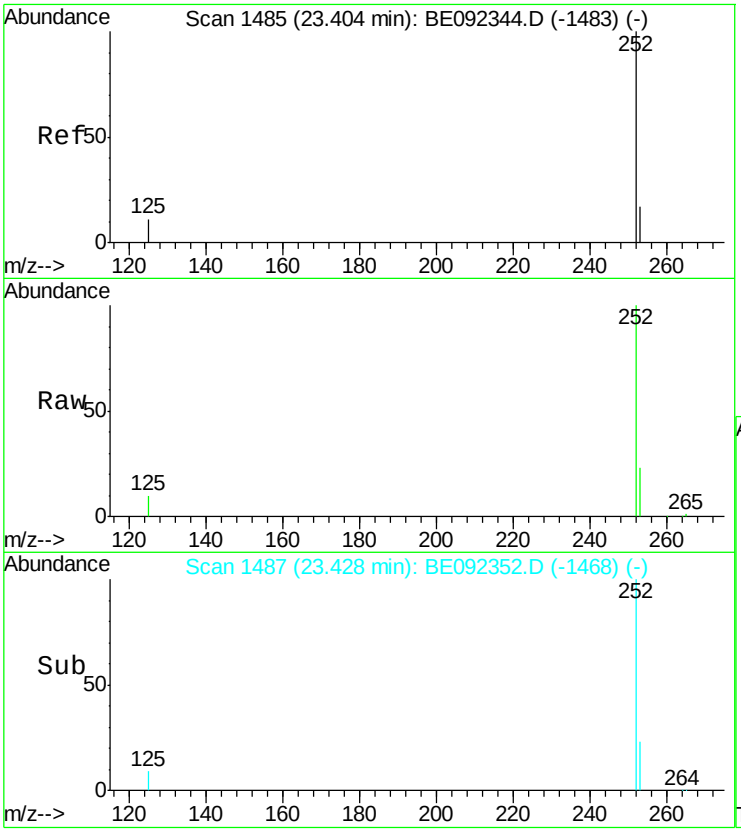


#32
Benzo(b)fluoranthene
Concen: 4.98 ng
RT: 23.37 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:252 Resp: 62225

Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.7	28.1
125	11.2	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 3.97 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:252 Resp: 52474

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.3	30.5
125	9.7	9.6	14.4

Instrument :
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ClientSampleId :
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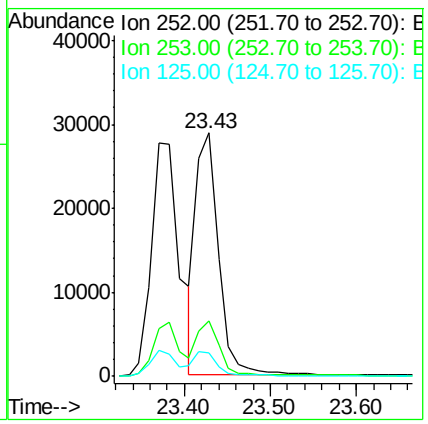
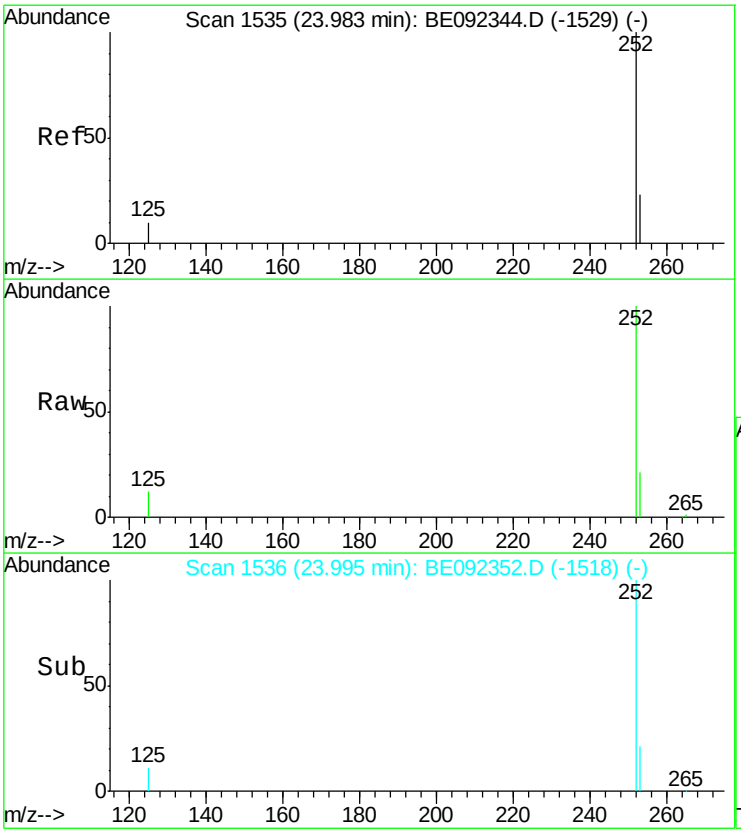
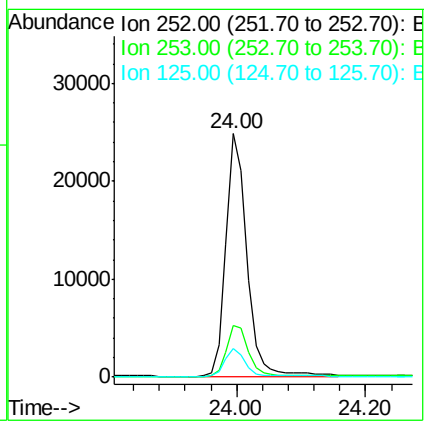


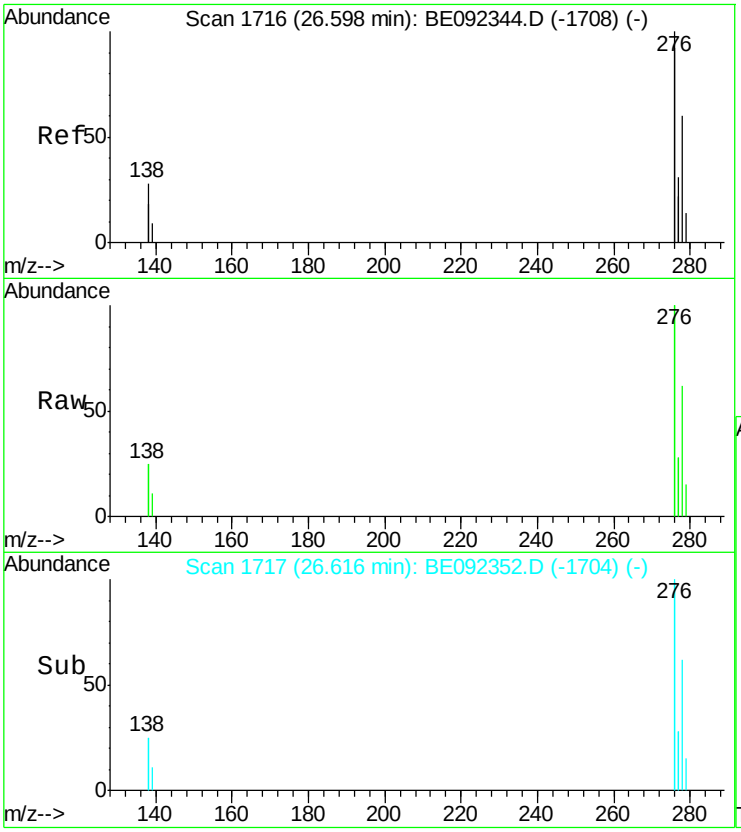


#34
Benzo(a)pyrene
Concen: 4.51 ng
RT: 24.00 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:252 Resp: 55567

Ion	Ratio	Lower	Upper
252	100		
253	21.2	19.0	28.6
125	11.7	11.8	17.8#

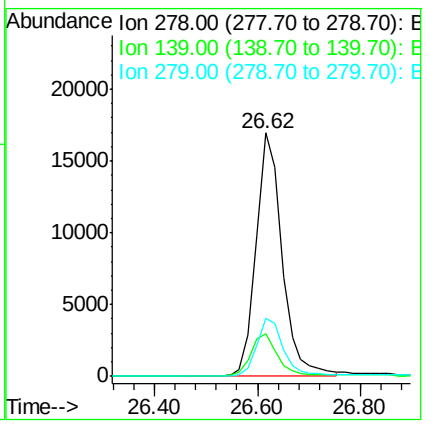




#35
Dibenzo(a,h)anthracene
Concen: 5.11 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:278 Resp: 58282

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.8	20.8
279	23.6	21.4	32.2



Instrument :
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ClientSampleId :
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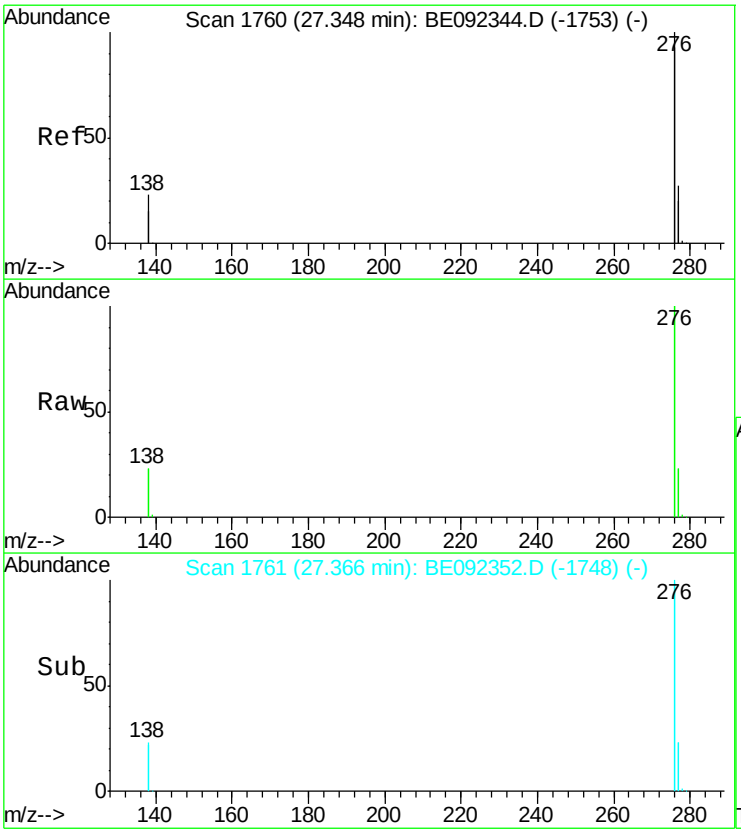

#36
Benzo(g,h,i)perylene
Concen: 5.09 ng
RT: 27.37 min Scan# 1761
Delta R.T. 0.02 min
Lab File: BE092352.D
Acq: 2 Sep 2016 20:29

Tgt Ion:276 Resp: 244635

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.8	29.8
138	22.8	19.8	29.6