Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092248.D
Acq On : 10 Aug 2016 11:03
Operator : UM/SJ
Sample : PB92747BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB92747BSD

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Quant Time: Aug 10 19:01:08 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	14695	5.00	ng		0.00
7) Naphthalene-d8	10.97	136	61914	5.00	ng		0.00
12) Acenaphthene-d10	14.83	164	30554	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	65857	5.00	ng		0.00
24) Chrysene-d12	21.73	240	58464	5.00	ng		-0.02
31) Perylene-d12	24.13	264	67902	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.70	112	21021	6.54	ng		0.00
5) Phenol-d6	7.34	99	26785	5.79	ng		-0.02
8) Nitrobenzene-d5	9.32	82	12768	2.92	ng		-0.04
13) 2,4,6-Tribromophenol	16.32	330	5349	4.59	ng		-0.01
14) 2-Fluorobiphenyl	13.46	172	27013	2.86	ng		-0.01
26) Terphenyl-d14	20.19	244	27018	2.73	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	4222	2.52	ng	#	86
3) n-Nitrosodimethylamine	3.79	42	7326	2.76	ng	#	98
6) bis(2-Chloroethyl)ether	7.59	93	11010	2.94	ng	#	33
9) Naphthalene	11.01	128	37332	2.69	ng	#	95
10) Hexachlorobutadiene	11.30	225	5619	2.80	ng		98
11) 2-Methylnaphthalene	12.64	142	24871	2.87	ng		92
15) Acenaphthylene	14.54	152	146265	2.77	ng		99
16) Acenaphthene	14.90	154	21874	2.58	ng		95
17) Fluorene	15.88	166	27383	2.67	ng		99
19) Hexachlorobenzene	16.89	284	6831	2.61	ng	#	100
20) Pentachlorophenol	17.24	266	4676	5.79	ng	#	81
21) Phenanthrene	17.60	178	44043	2.59	ng		99
22) Anthracene	17.70	178	41286	2.68	ng		98
23) Fluoranthene	19.61	202	179206	2.65	ng		100
25) Pyrene	19.99	202	186529	2.70	ng		99
27) Benzo(a)anthracene	21.70	228	208109	2.97	ng	#	65
28) Chrysene	21.77	228	144640m	2.23	ng		
29) Bis(2-ethylhexyl)phthalate	21.64	149	20184	1.88	ng	#	94
30) Indeno(1,2,3-cd)pyrene	26.63	276	240685	3.45	ng		99
32) Benzo(b)fluoranthene	23.39	252	50583	2.84	ng		96
33) Benzo(k)fluoranthene	23.44	252	49637	2.76	ng	#	95
34) Benzo(a)pyrene	24.02	252	47683	2.84	ng	#	94
35) Dibenzo(a,h)anthracene	26.65	278	50828	3.25	ng	#	93
36) Benzo(g,h,i)perylene	27.40	276	209259	3.11	ng		95

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092248.D
Acq On : 10 Aug 2016 11:03
Operator : UM/SJ
Sample : PB92747BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 10 19:01:08 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 11:12:32 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB92747BSD

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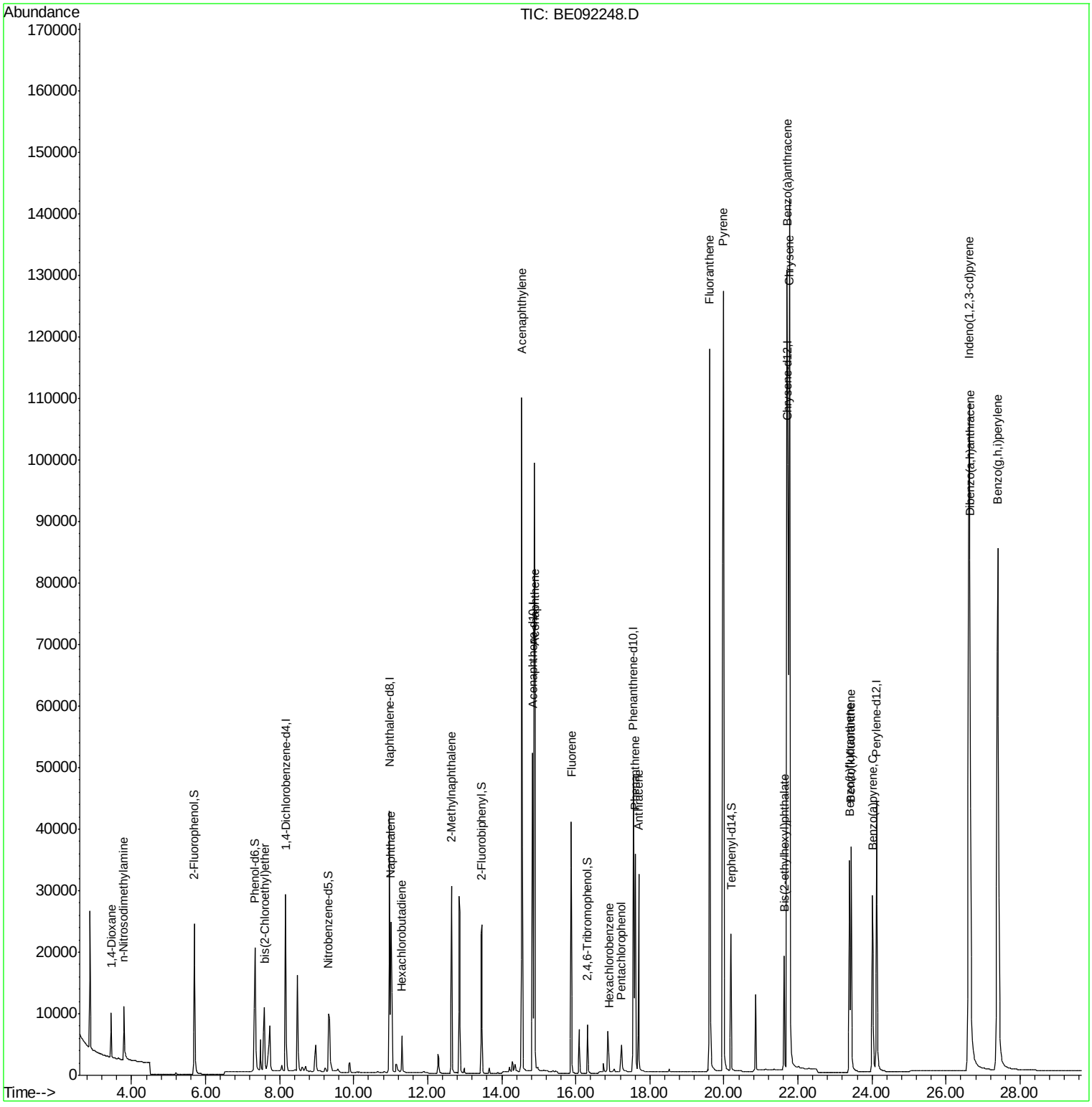
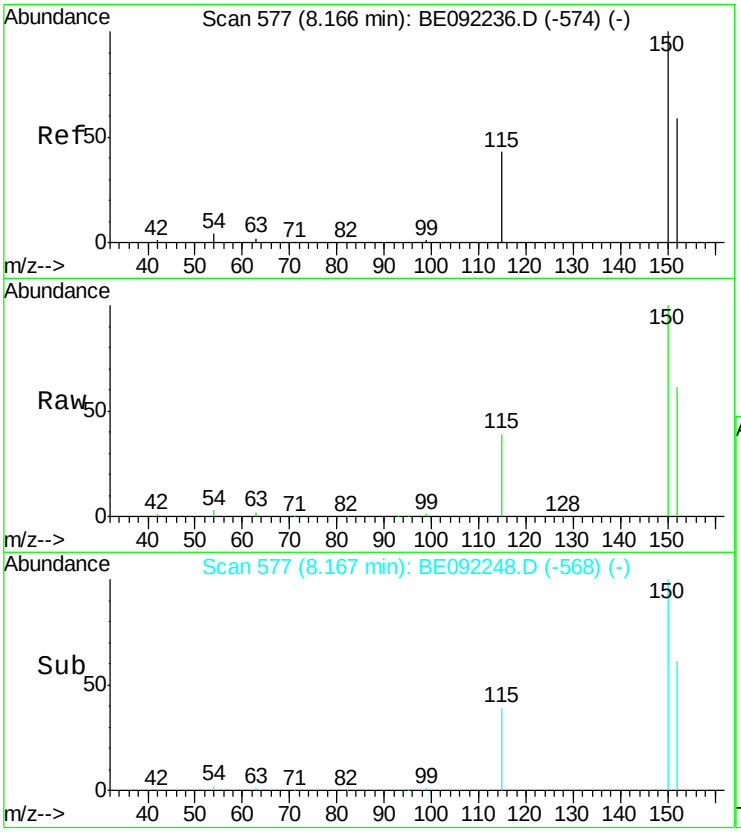
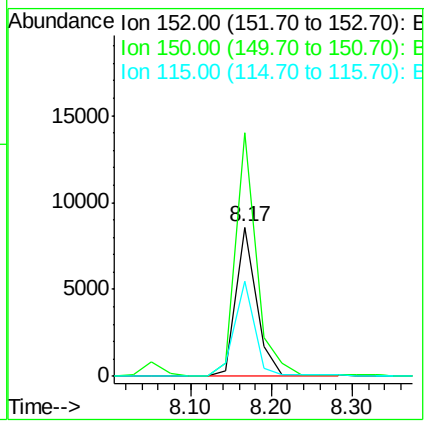




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:152 Resp: 14695

Ion	Ratio	Lower	Upper
152	100		
150	162.9	135.6	203.4
115	64.0	59.4	89.0



Instrument :
BNA_E
ClientSampleId :
PB92747BSD

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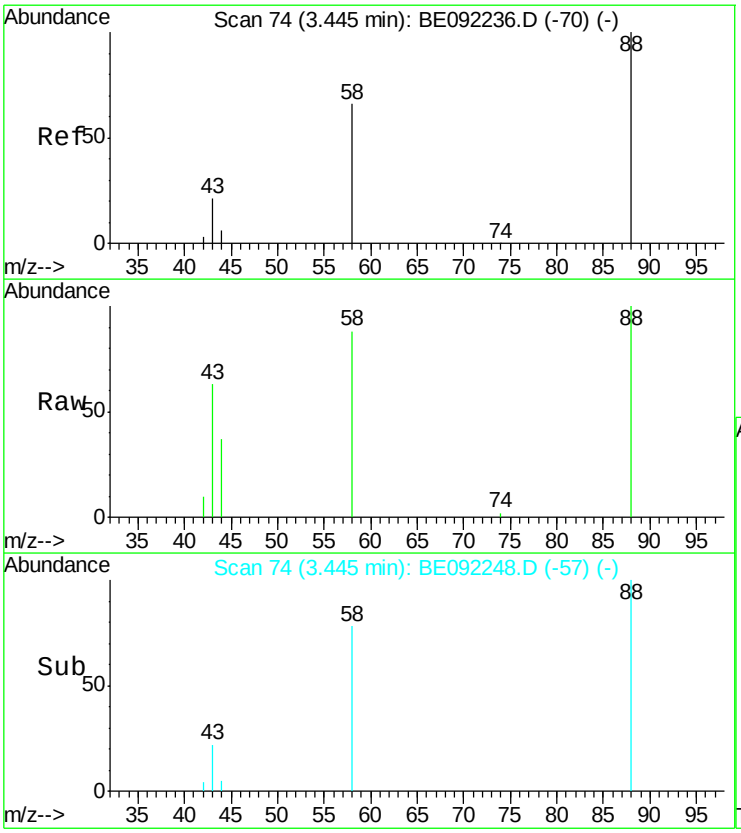
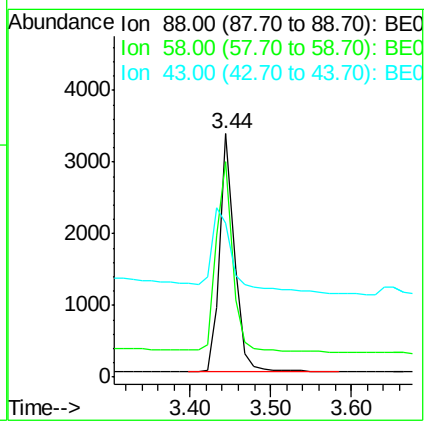
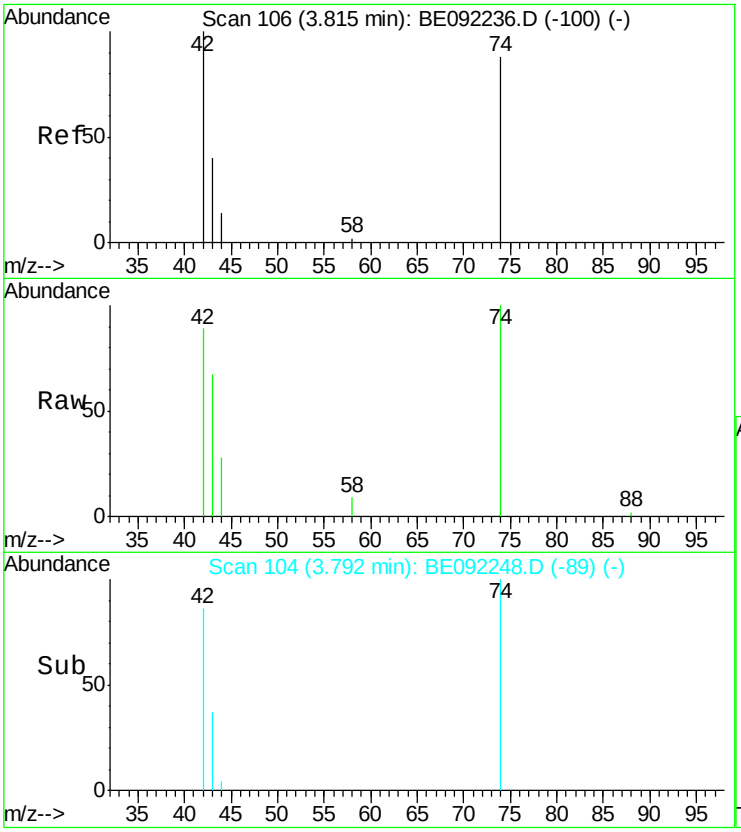


#2
1,4-Dioxane
Concen: 2.52 ng
RT: 3.44 min Scan# 74
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion: 88 Resp: 4222

Ion	Ratio	Lower	Upper
88	100		
58	90.8	64.4	96.6
43	52.6	33.4	50.2#

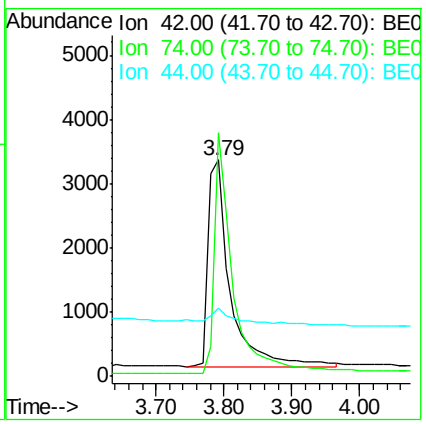




#3
n-Nitrosodimethylamine
Concen: 2.76 ng
RT: 3.79 min Scan# 104
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion: 42 Resp: 7326

Ion	Ratio	Lower	Upper
42	100		
74	97.4	77.2	115.8
44	9.6	5.0	7.4#



Instrument :
BNA_E
ClientSampleId :
PB92747BSD

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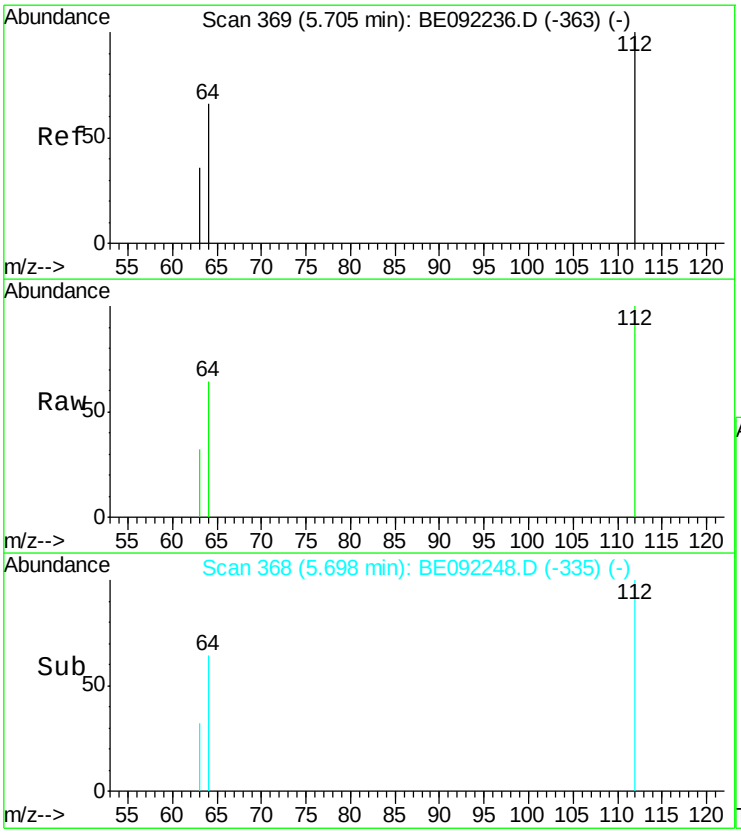
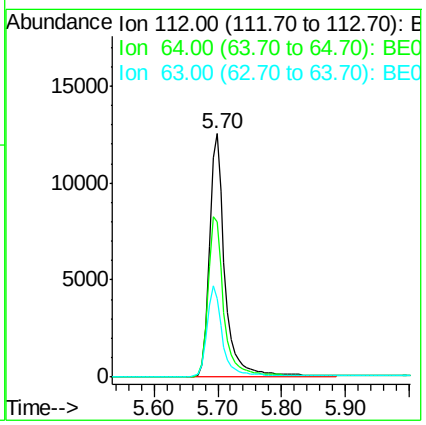
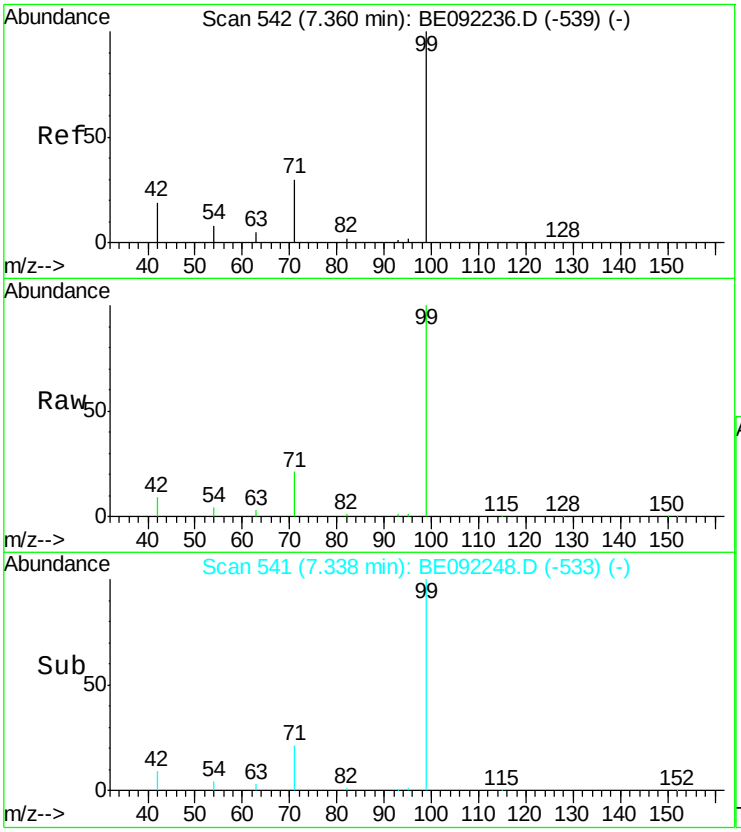


#4
2-Fluorophenol
Concen: 6.54 ng
RT: 5.70 min Scan# 368
Delta R.T. -0.01 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:112 Resp: 21021

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.2	79.8
63	36.8	27.4	41.2





#5
Phenol-d6
Concen: 5.79 ng
RT: 7.34 min Scan# 541
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion: 99 Resp: 26785

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	29.8	44.8#

Instrument :
BNA_E
ClientSampleId :
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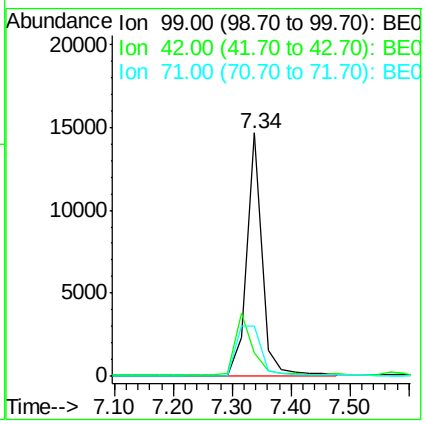
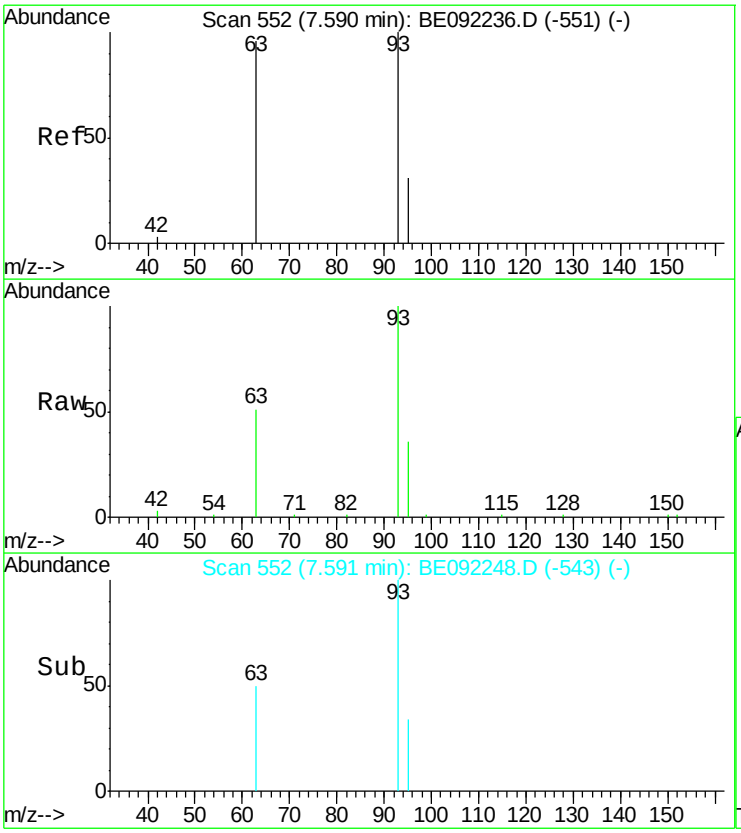
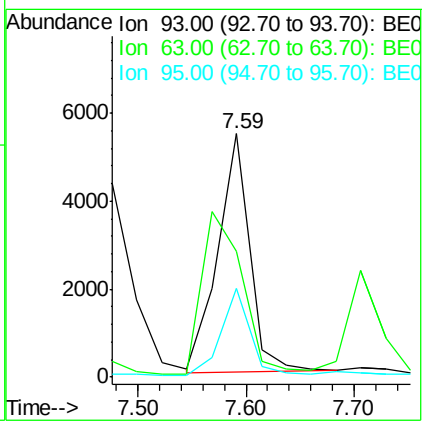


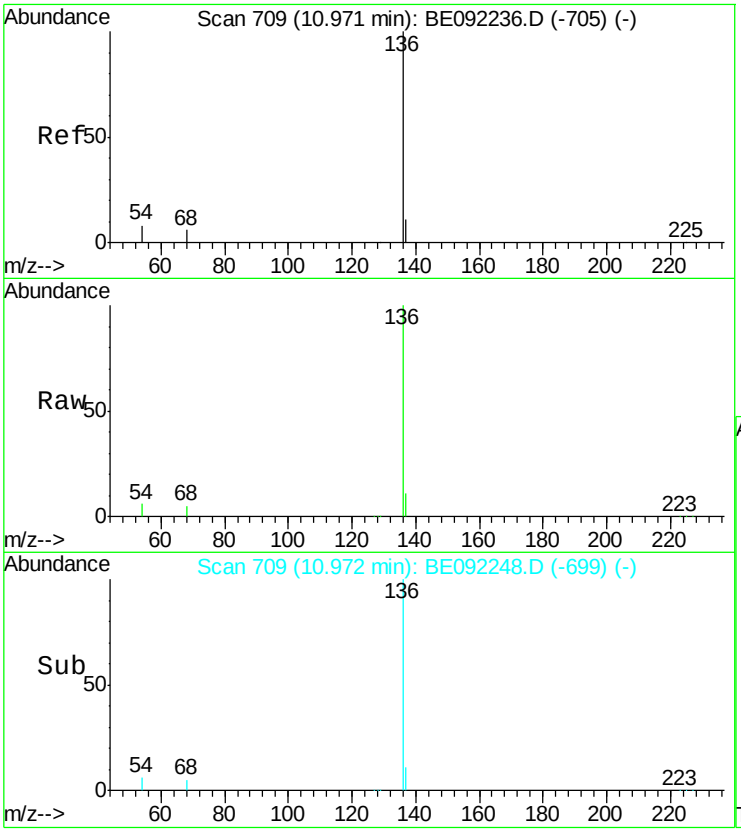


#6
bis(2-Chloroethyl)ether
Concen: 2.94 ng
RT: 7.59 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion: 93 Resp: 11010

Ion	Ratio	Lower	Upper
93	100		
63	0.0	68.5	102.7#
95	33.2	27.2	40.8

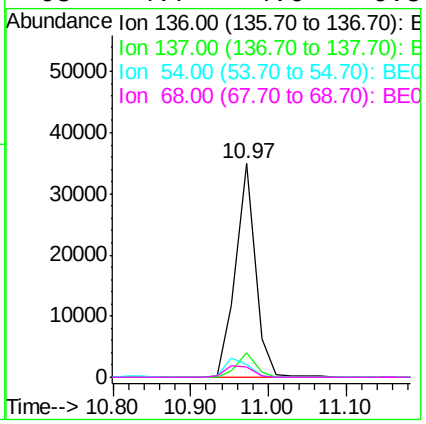




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:136 Resp: 61914

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	6.1	6.2	9.4#
68	4.7	4.6	6.8



Instrument :
BNA_E
ClientSampleId :
PB92747BSD

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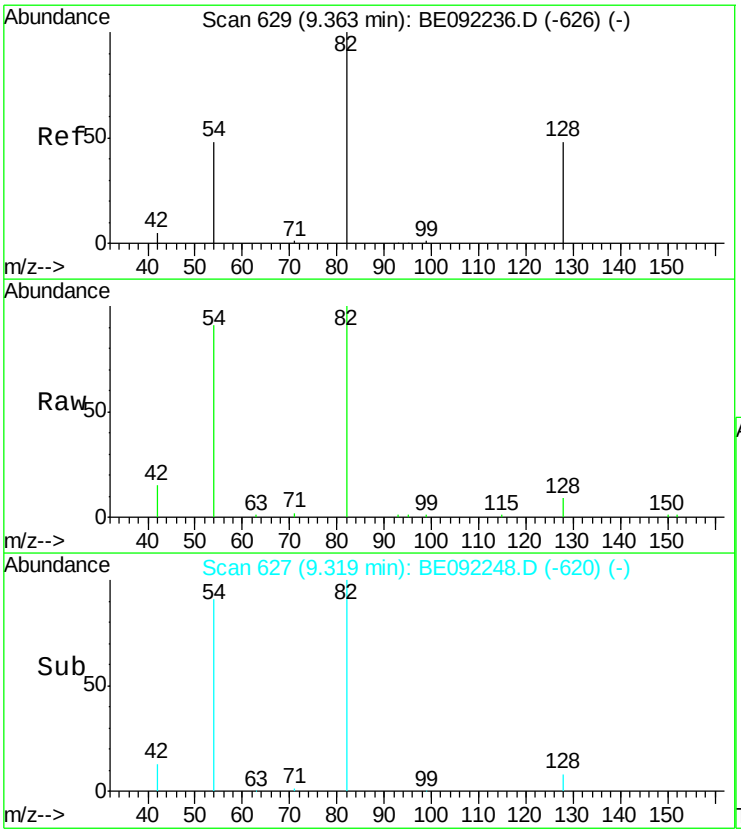
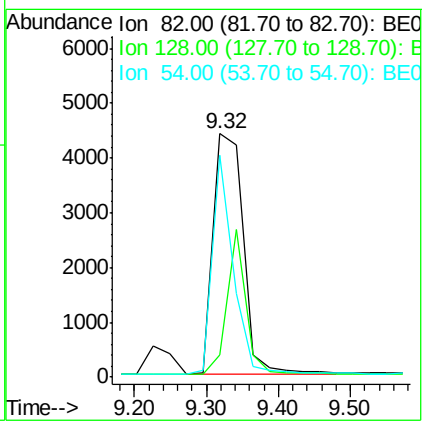
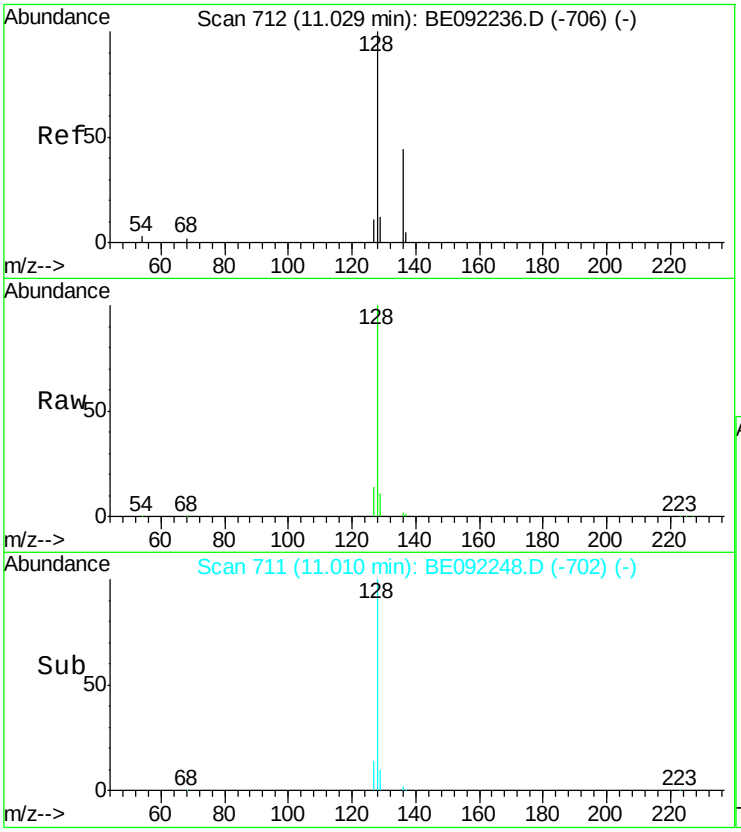


#8
Nitrobenzene-d5
Concen: 2.92 ng
RT: 9.32 min Scan# 627
Delta R.T. -0.04 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion: 82 Resp: 12768

Ion	Ratio	Lower	Upper
82	100		
128	9.2	45.0	67.4#
54	90.9	45.4	68.2#

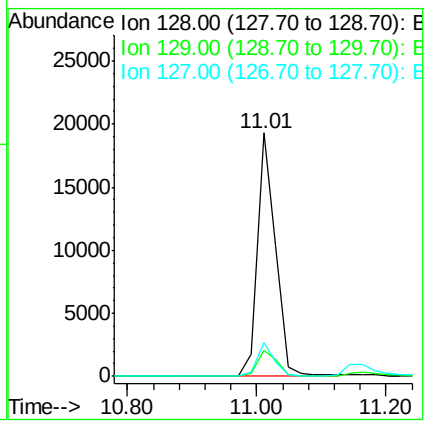




#9
Naphthalene
Concen: 2.69 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:128 Resp: 37332

Ion	Ratio	Lower	Upper
128	100		
129	10.5	11.5	17.3#
127	14.0	11.0	16.6



Instrument :
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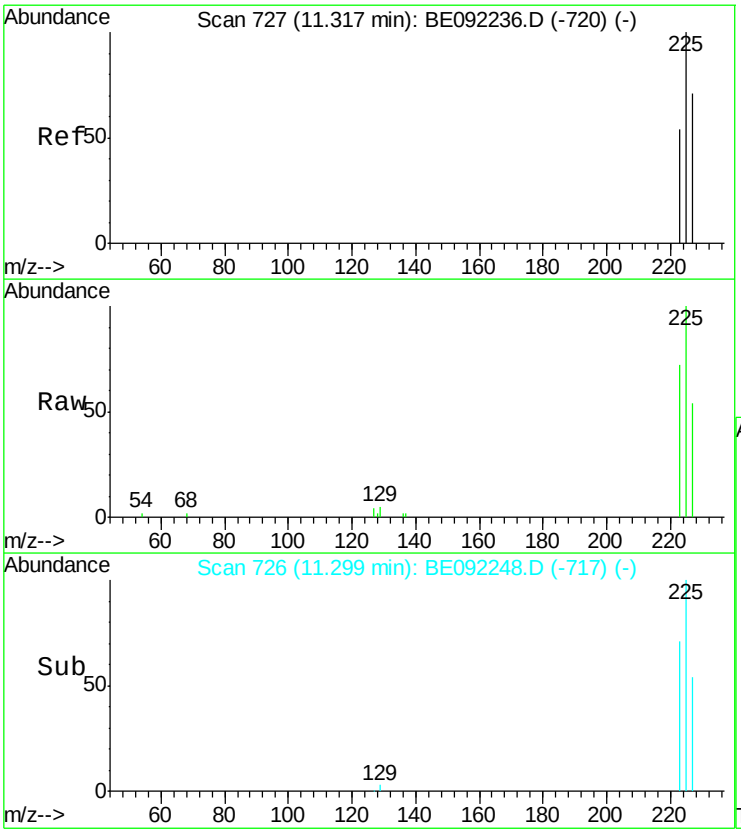
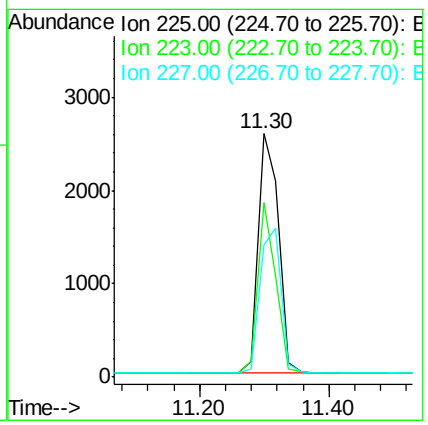
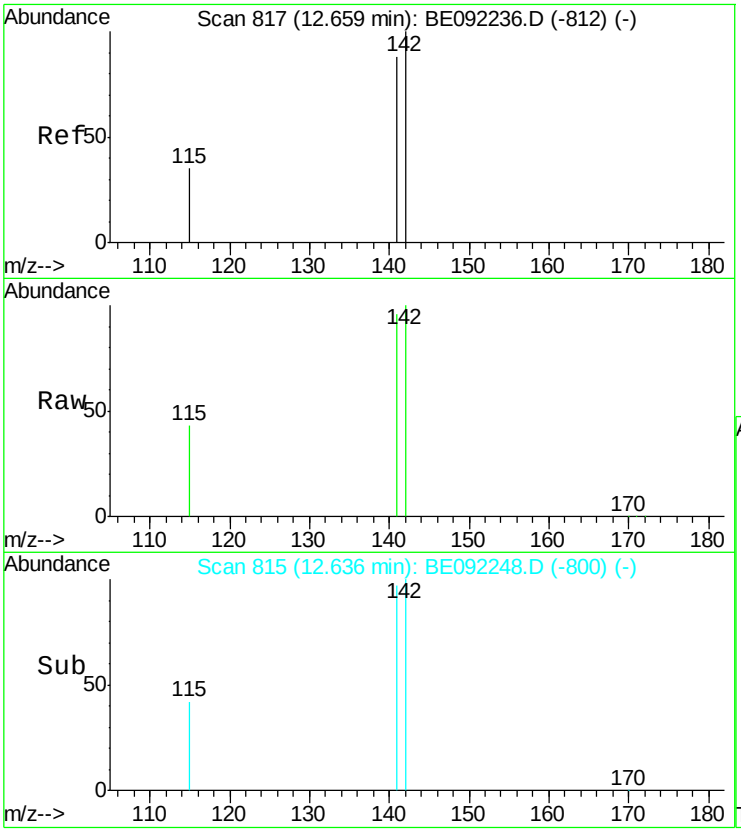


#10
Hexachlorobutadiene
Concen: 2.80 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:225 Resp: 5619

Ion	Ratio	Lower	Upper
225	100		
223	62.7	52.2	78.4
227	63.4	51.0	76.6

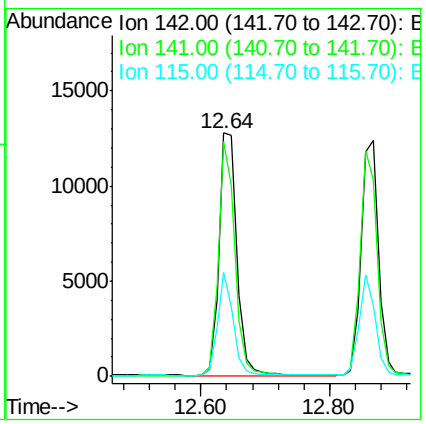




#11
2-Methylnaphthalene
Concen: 2.87 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:142 Resp: 24871

Ion	Ratio	Lower	Upper
142	100		
141	96.4	70.6	105.8
115	42.6	31.0	46.4



Instrument :
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ClientSampleId :
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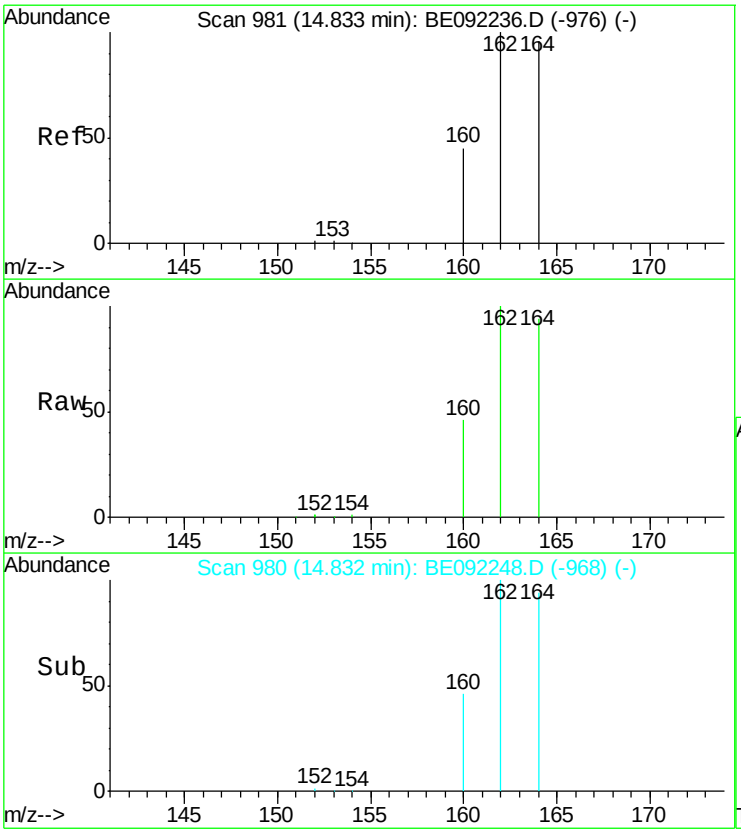
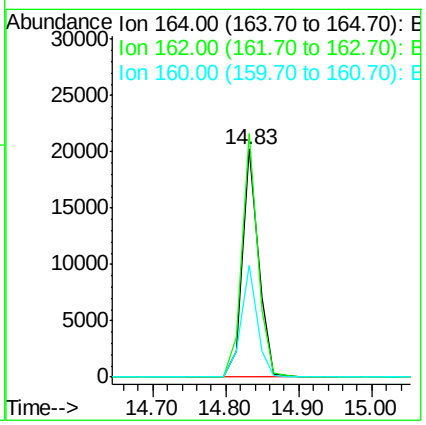
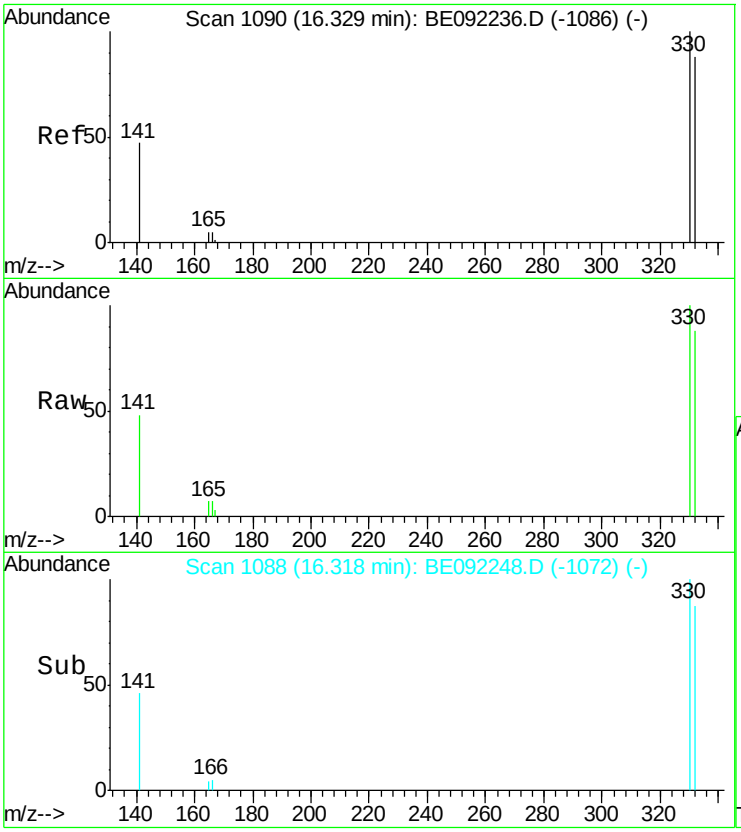


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:164 Resp: 30554

Ion	Ratio	Lower	Upper
164	100		
162	106.8	83.3	124.9
160	49.2	38.0	57.0





#13
2,4,6-Tribromophenol
Concen: 4.59 ng
RT: 16.32 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:330 Resp: 5349

Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.4	113.0
141	45.7	37.7	56.5

Instrument :
BNA_E
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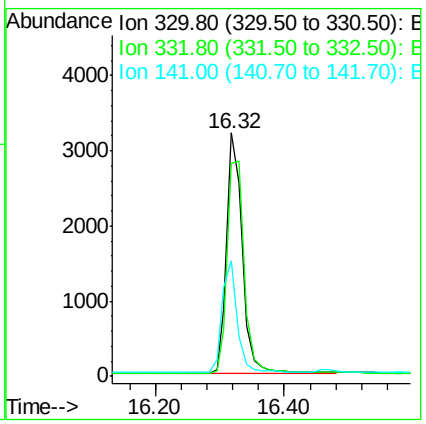
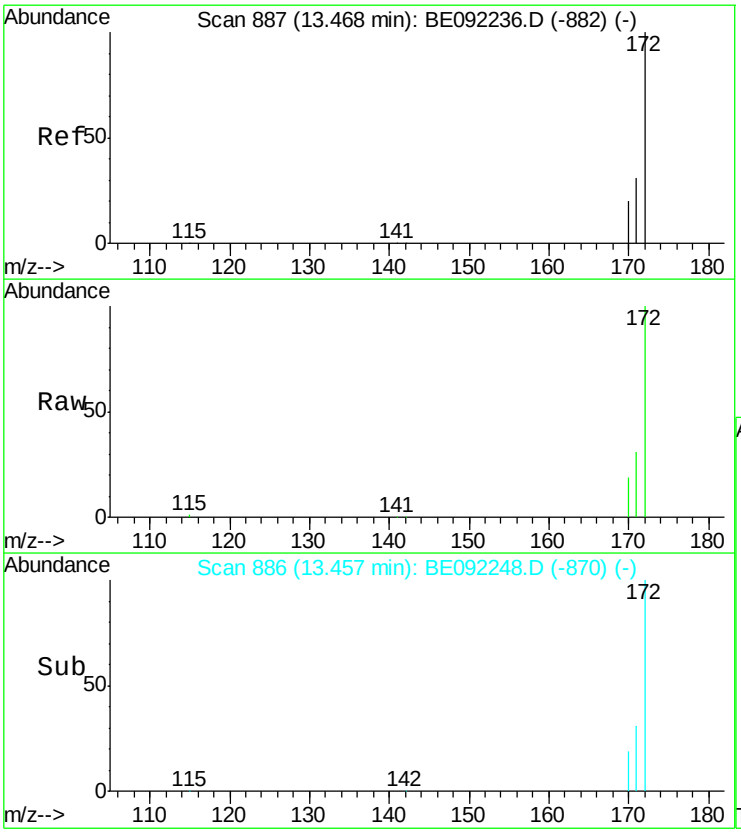
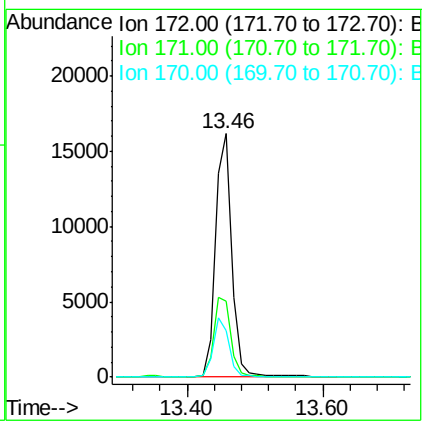


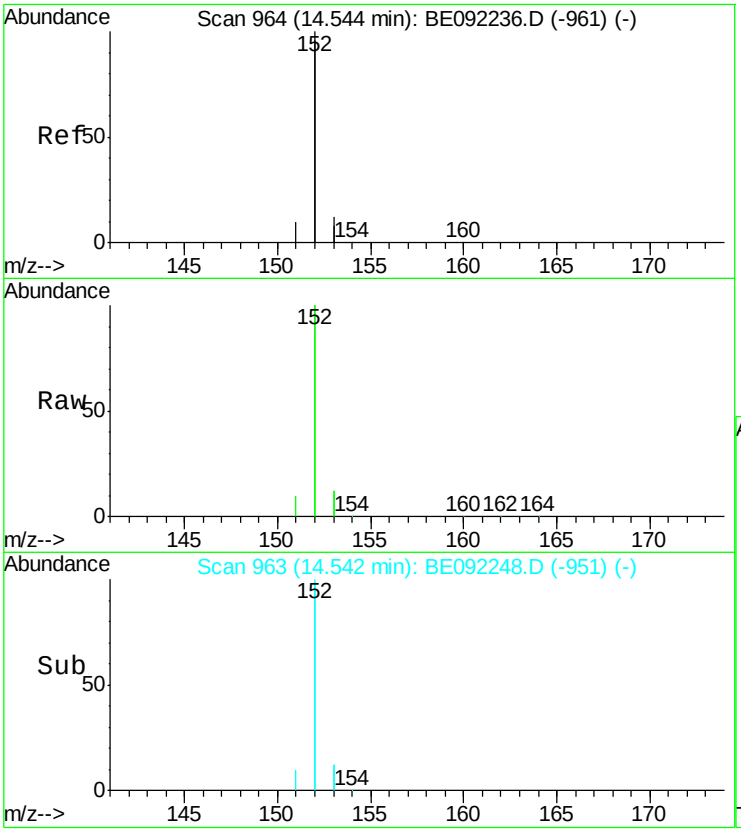


#14
2-Fluorobiphenyl
Concen: 2.86 ng
RT: 13.46 min Scan# 886
Delta R.T. -0.01 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:172 Resp: 27013

Ion	Ratio	Lower	Upper
172	100		
171	31.2	26.8	40.2
170	18.9	17.8	26.6

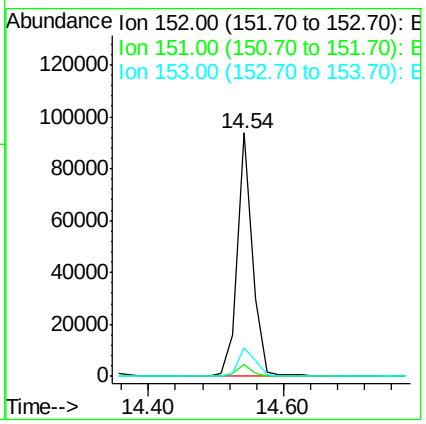




#15
Acenaphthylene
Concen: 2.77 ng
RT: 14.54 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:152 Resp: 146265

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.0	10.2	15.2



Instrument :
BNA_E
ClientSampleId :
PB92747BSD

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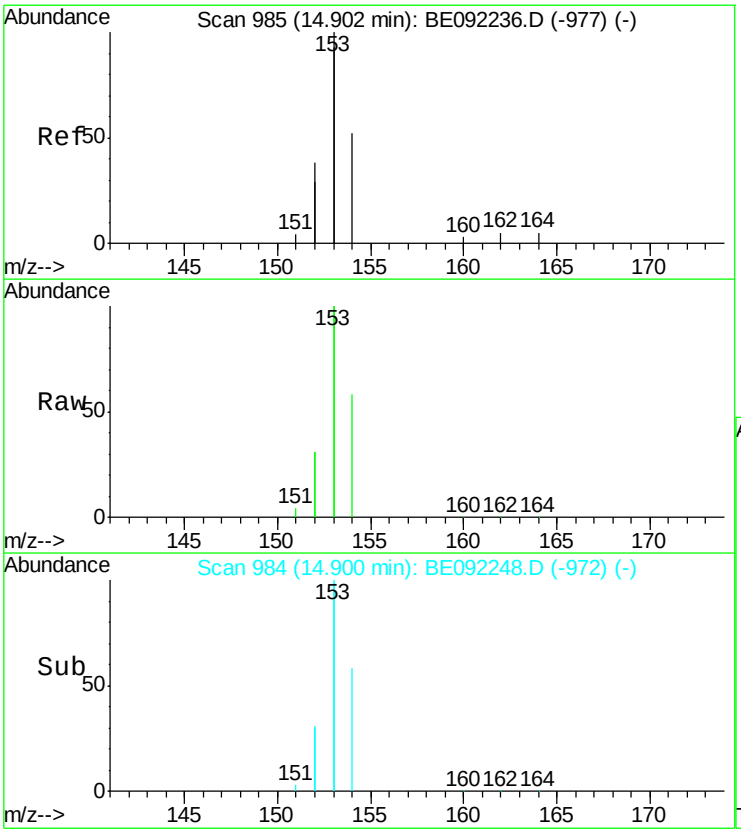
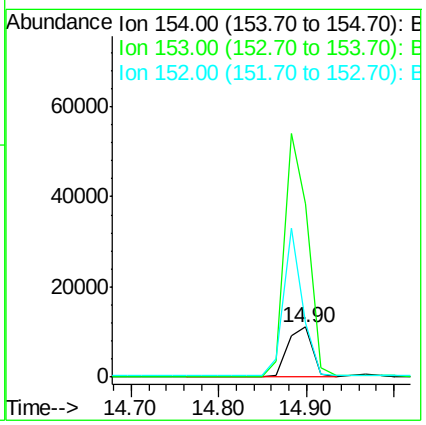
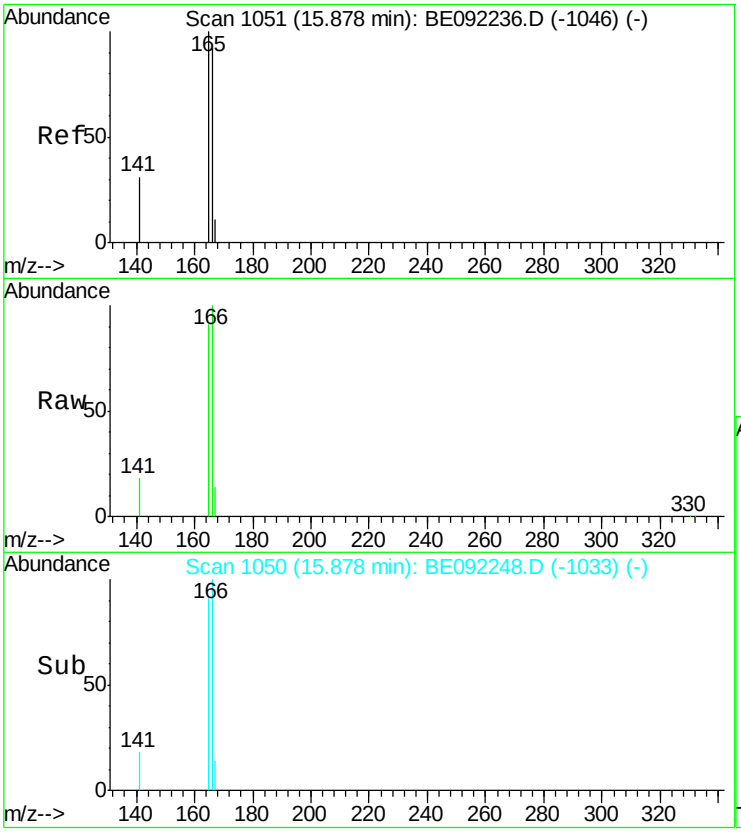


#16
Acenaphthene
Concen: 2.58 ng
RT: 14.90 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:154 Resp: 21874

Ion	Ratio	Lower	Upper
154	100		
153	457.5	355.0	532.4
152	230.5	179.7	269.5

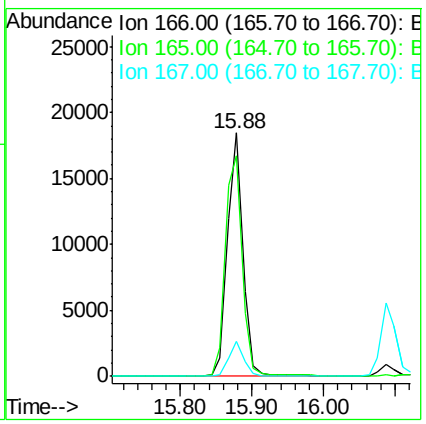




#17
Fluorene
Concen: 2.67 ng
RT: 15.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:166 Resp: 27383

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.1	120.1
167	13.3	10.6	16.0



Instrument :
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ClientSampleId :
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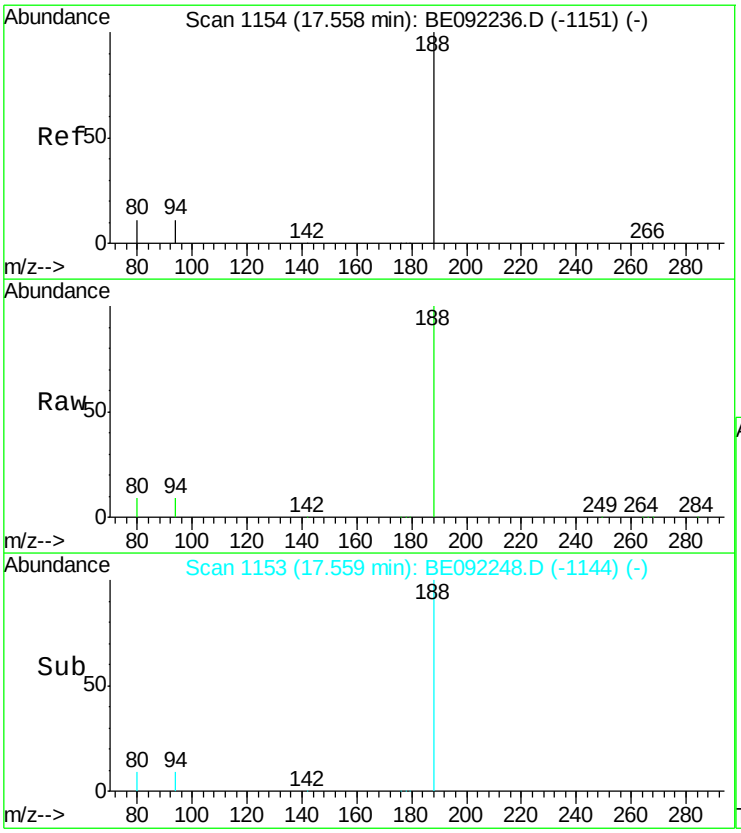
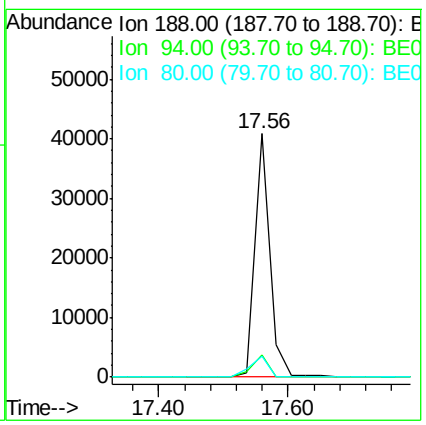
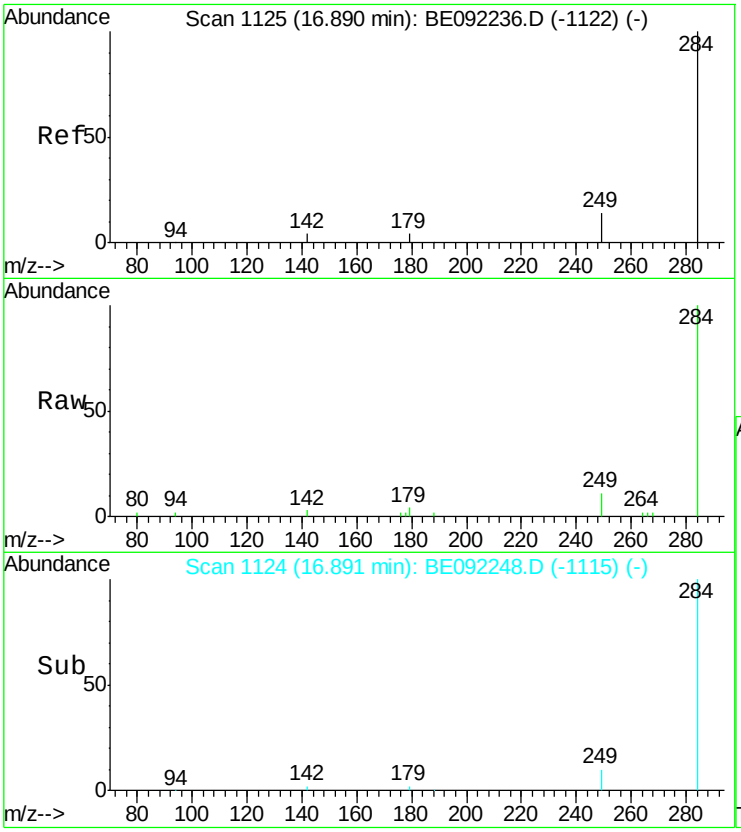


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:188 Resp: 65857

Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.2	13.8
80	8.8	9.1	13.7#





#19
Hexachlorobenzene
Concen: 2.61 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:284 Resp: 6831

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0

Instrument :
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ClientSampleId :
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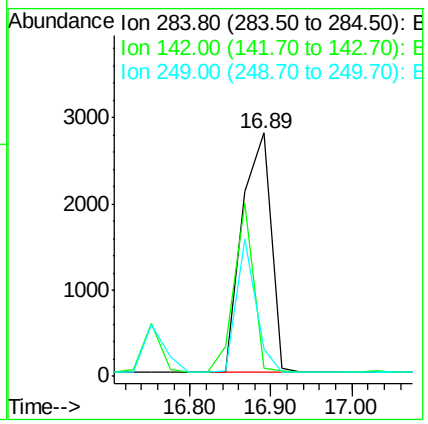
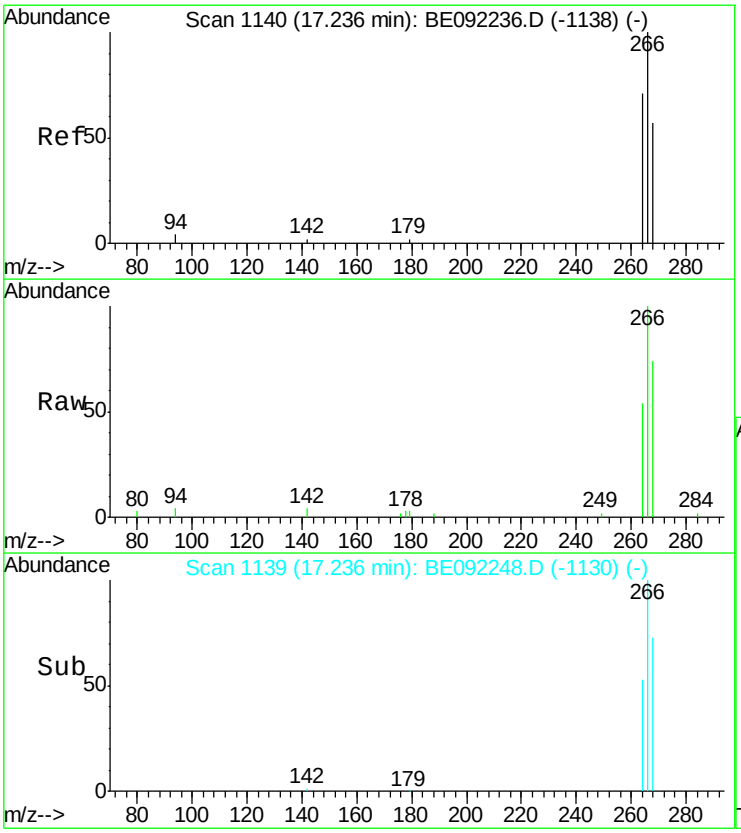
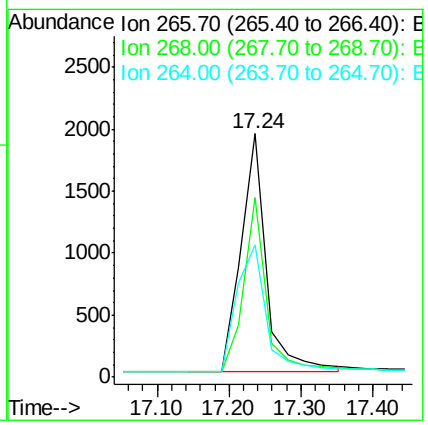


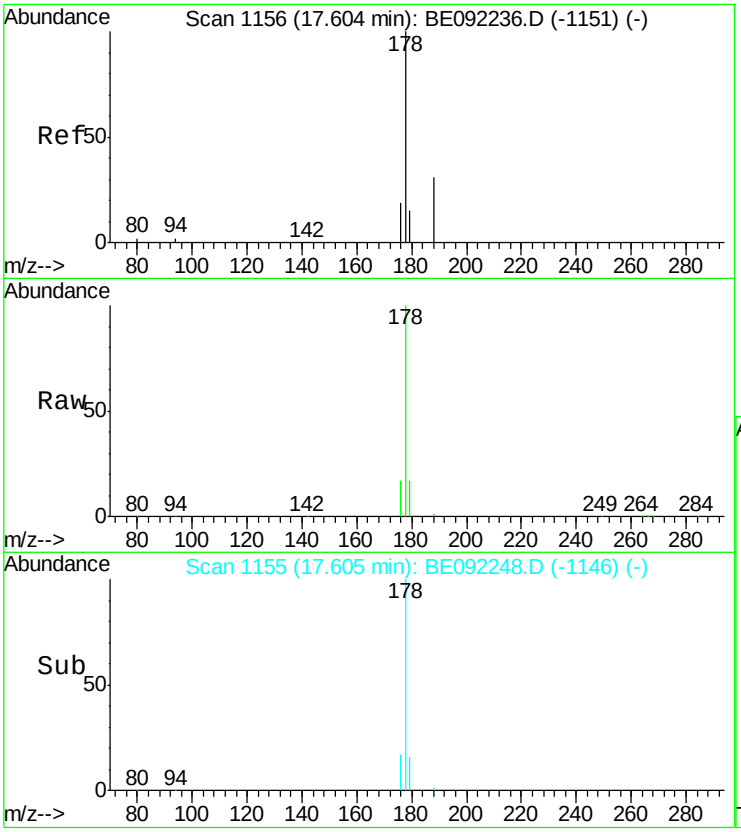


#20
Pentachlorophenol
Concen: 5.79 ng
RT: 17.24 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:266 Resp: 4676

Ion	Ratio	Lower	Upper
266	100		
268	73.8	62.3	93.5
264	54.4	67.4	101.0#

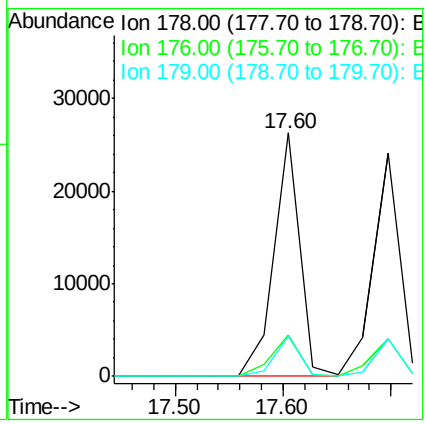




#21
Phenanthrene
Concen: 2.59 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:178 Resp: 44043

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.7	12.9	19.3



Instrument :
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ClientSampleId :
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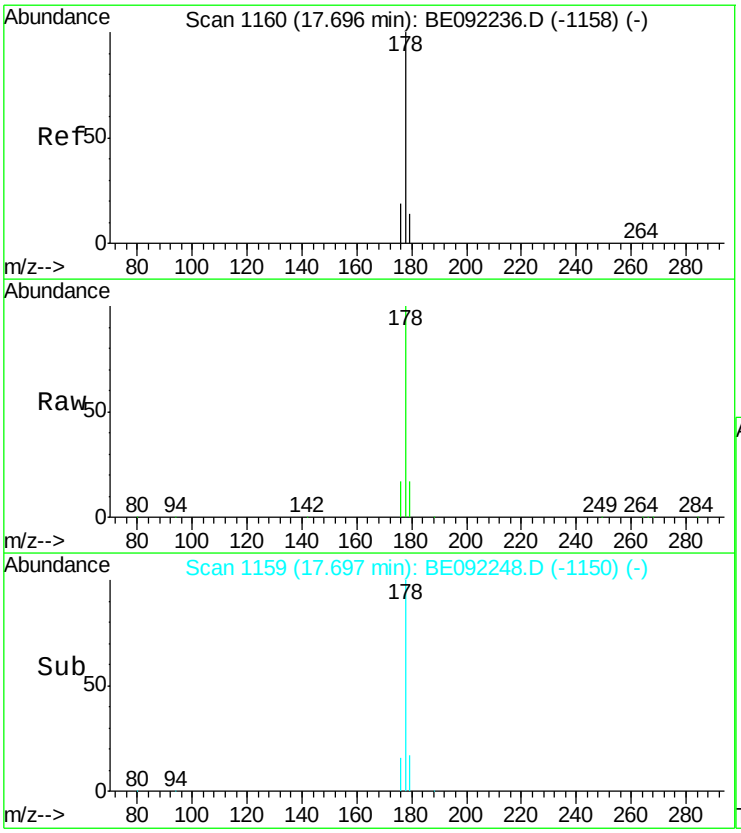
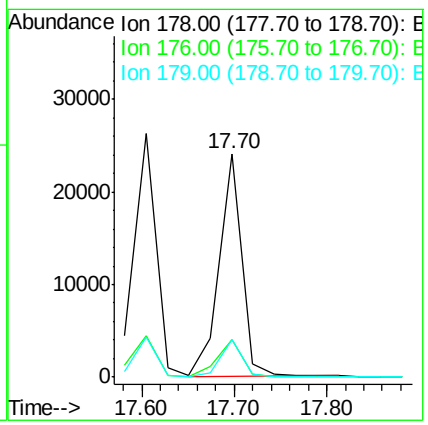
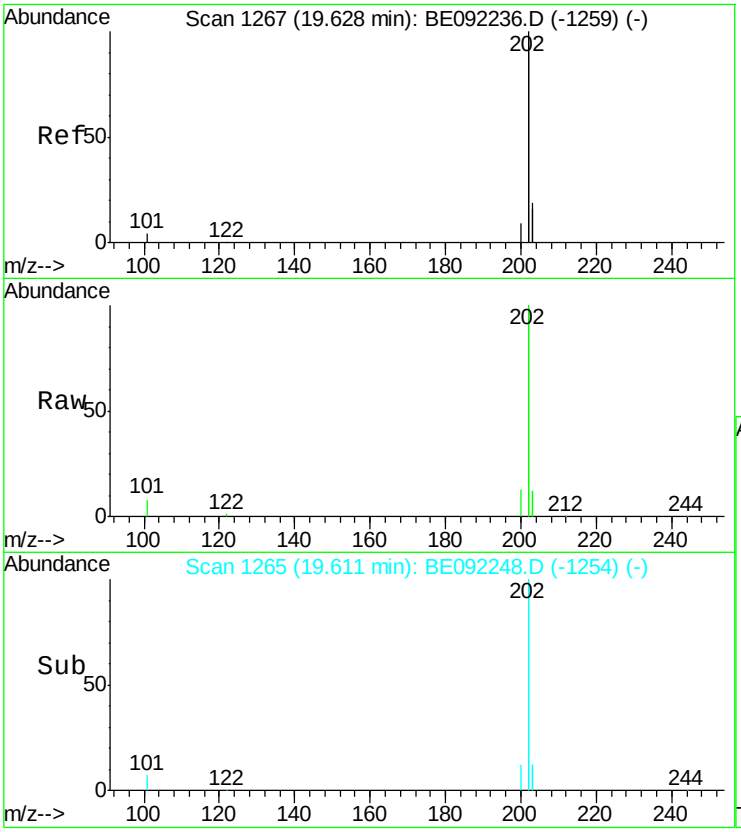


#22
Anthracene
Concen: 2.68 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:178 Resp: 41286

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.0	22.4
179	15.8	12.0	18.0





#23
Fluoranthene
Concen: 2.65 ng
RT: 19.61 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:202 Resp: 179206

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.2	13.7	20.5

Instrument :
BNA_E
ClientSampleId :
PB92747BSD

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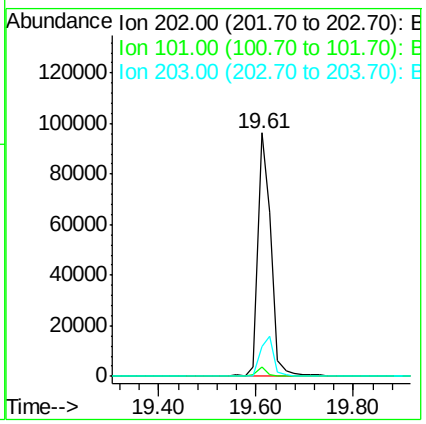
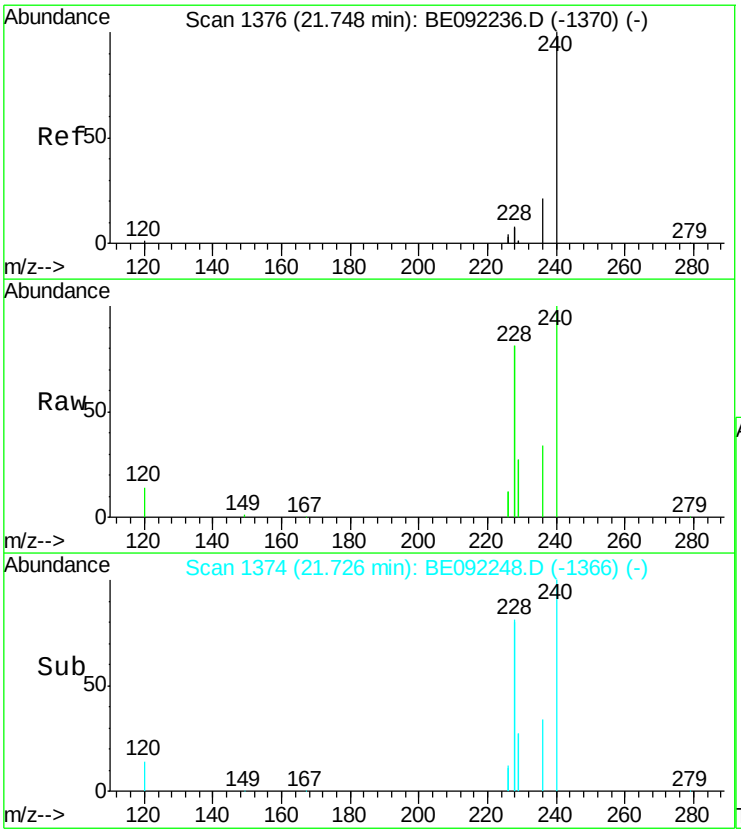
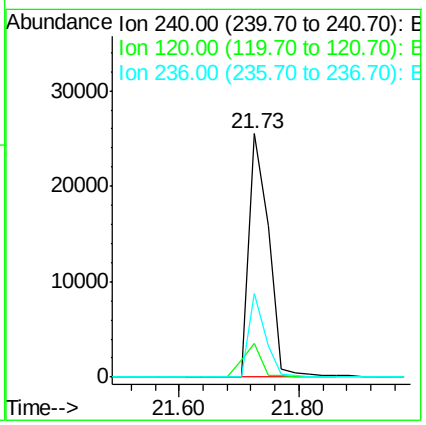


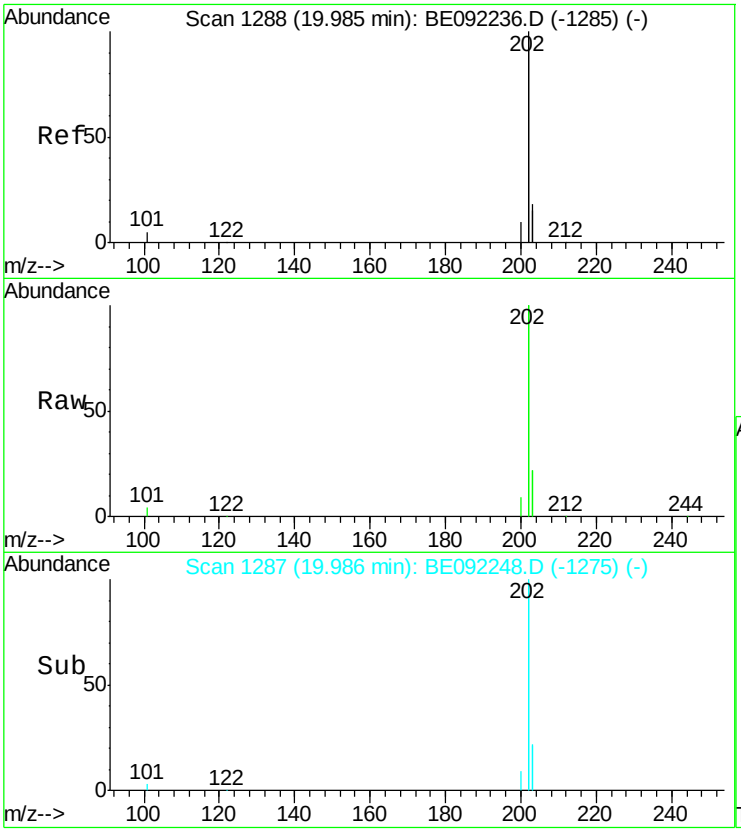


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:240 Resp: 58464

Ion	Ratio	Lower	Upper
240	100		
120	13.7	1.2	1.8#
236	34.2	17.1	25.7#





#25
Pyrene
Concen: 2.70 ng
RT: 19.99 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:202 Resp: 186529

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	18.1	14.0	21.0

Instrument :
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ClientSampleId :
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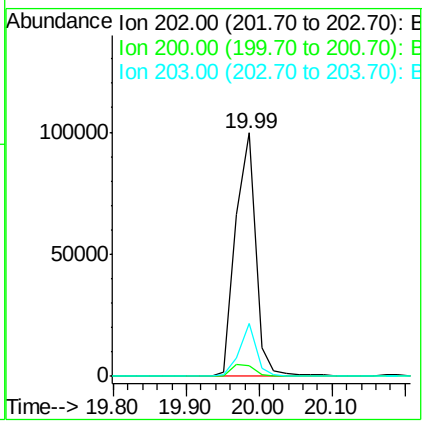
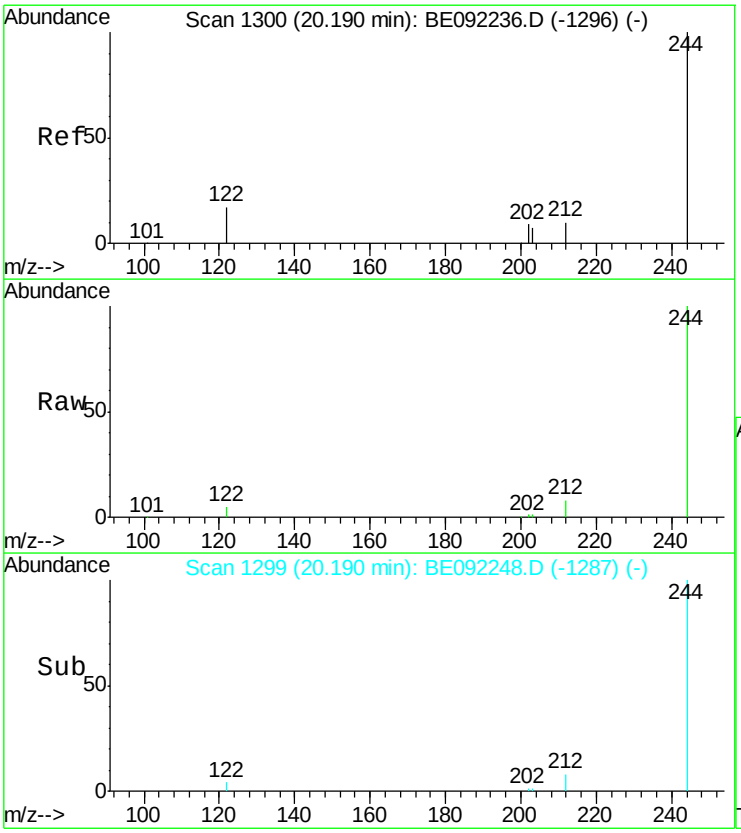
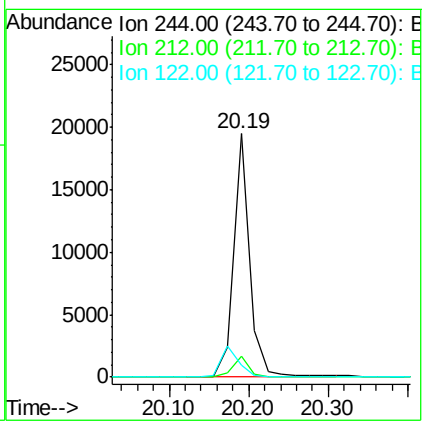


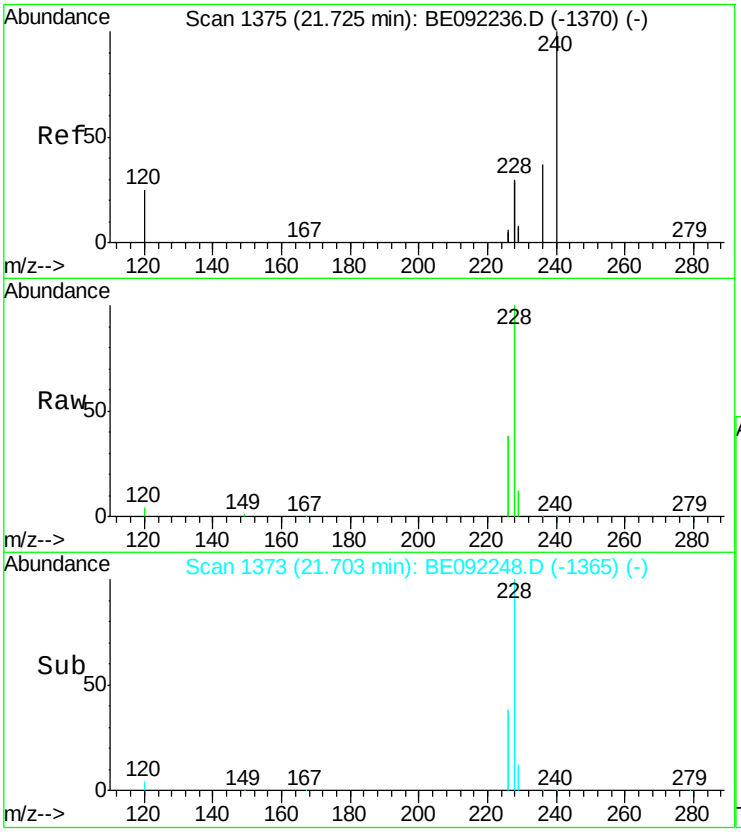


#26
Terphenyl-d14
Concen: 2.73 ng
RT: 20.19 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:244 Resp: 27018

Ion	Ratio	Lower	Upper
244	100		
212	8.4	10.2	15.2#
122	5.0	15.9	23.9#

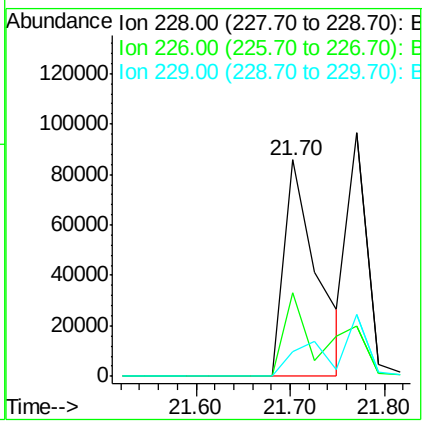




#27
Benzo(a)anthracene
Concen: 2.97 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:228 Resp: 208109

Ion	Ratio	Lower	Upper
228	100		
226	38.4	15.9	23.9#
229	11.6	22.4	33.6#



Instrument :
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ClientSampleId :
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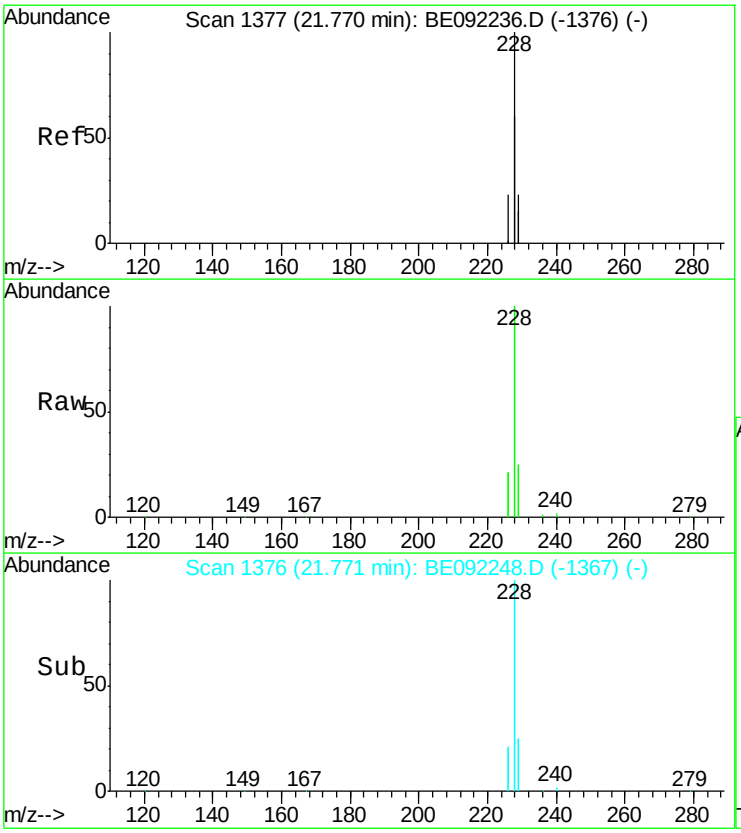
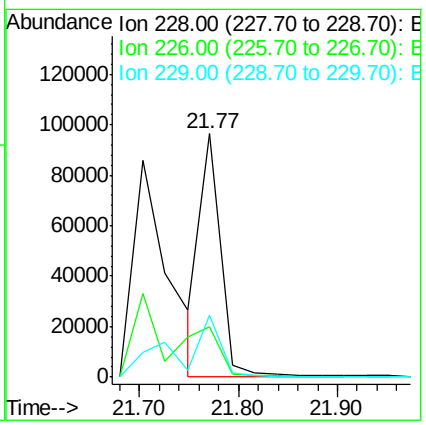
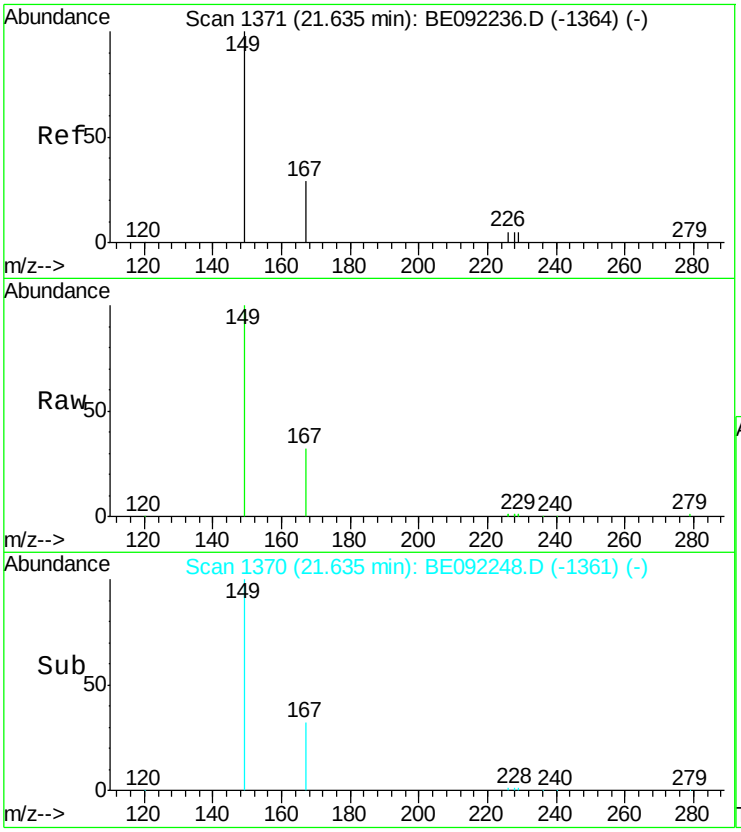


#28
Chrysene
Concen: 2.23 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:228 Resp: 144640

Ion	Ratio	Lower	Upper
228	100		
226	20.9	18.3	27.5
229	25.2	18.6	27.8





#29
Bis(2-ethylhexyl)phthalate
Concen: 1.88 ng
RT: 21.64 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Instrument :
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ClientSampleId :
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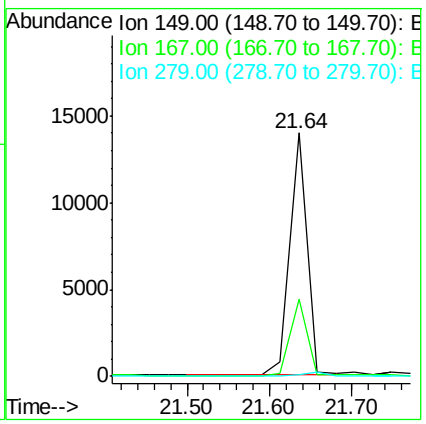
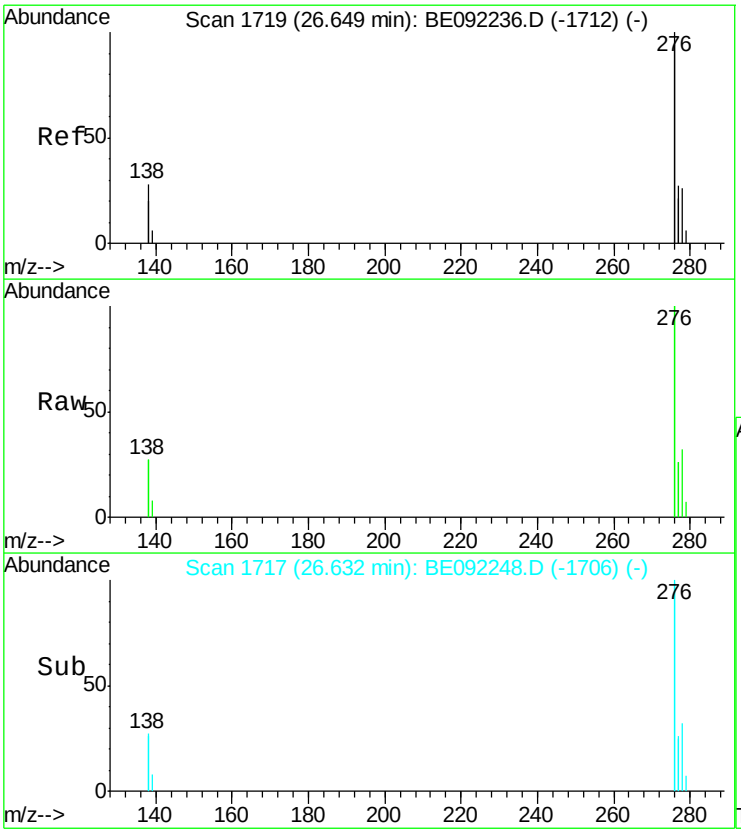
Tgt Ion:149 Resp: 20184

Ion	Ratio	Lower	Upper
149	100		
167	30.7	22.1	33.1
279	0.0	0.0	0.0

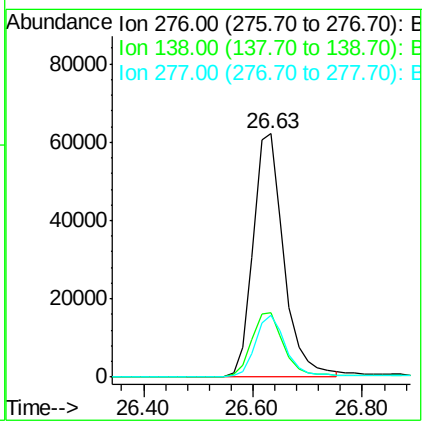


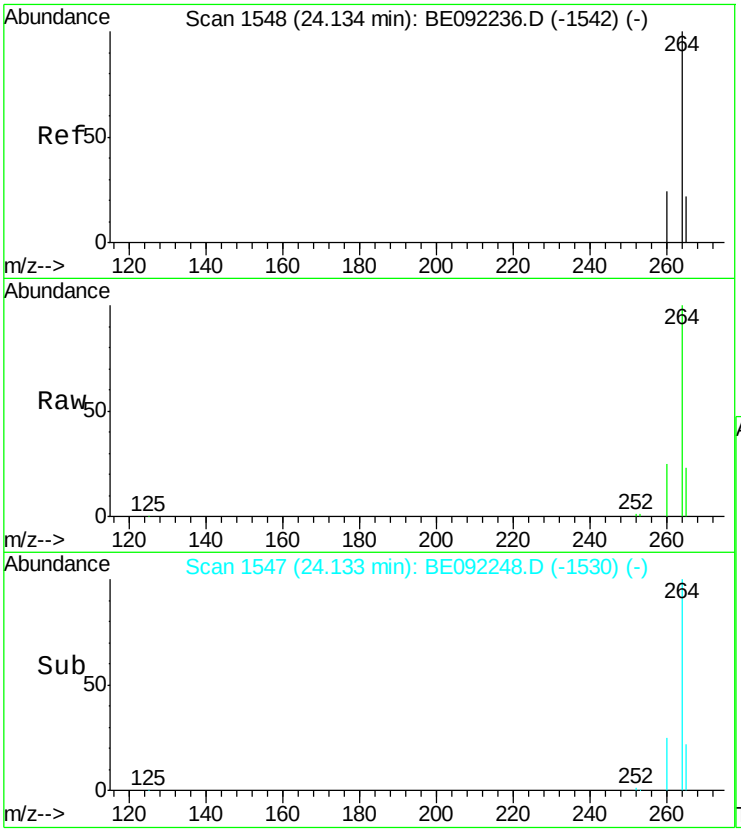


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.45 ng
RT: 26.63 min Scan# 1717
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:276 Resp: 240685

Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.3	31.9
277	24.8	19.7	29.5

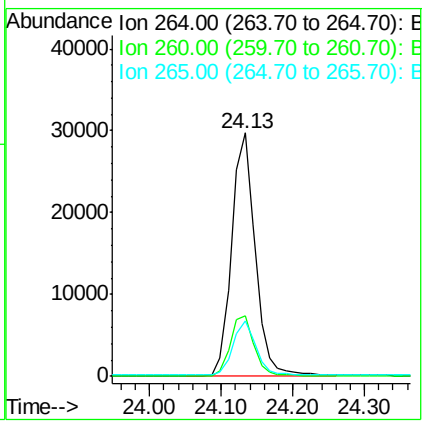




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.13 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:264 Resp: 67902

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.6	18.2	27.4



Instrument :
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ClientSampleId :
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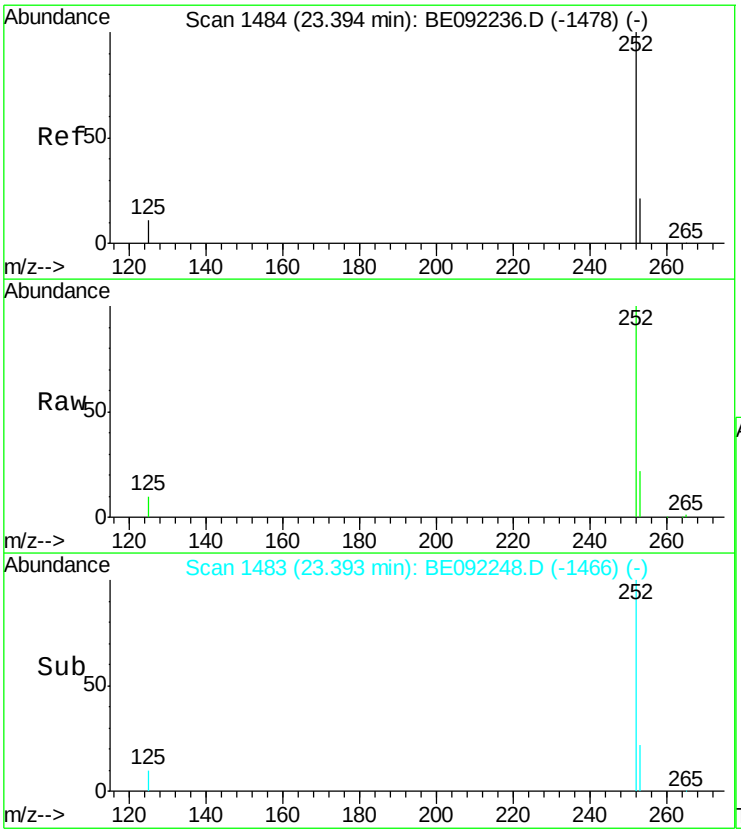
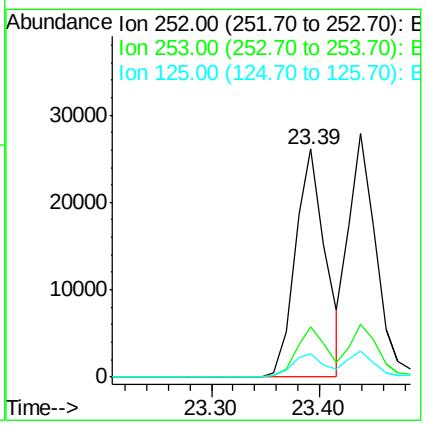
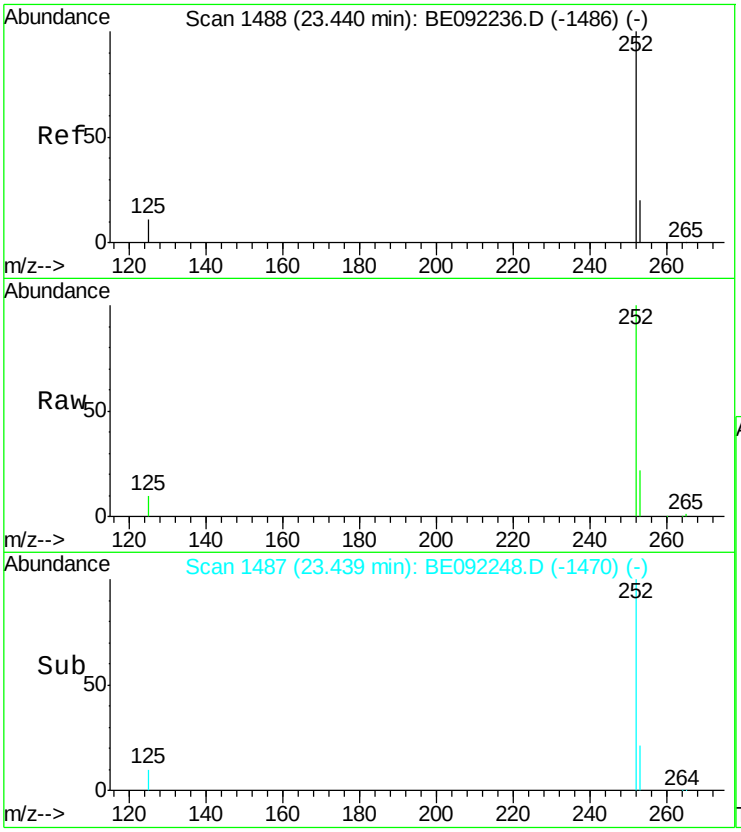


#32
Benzo(b)fluoranthene
Concen: 2.84 ng
RT: 23.39 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:252 Resp: 50583

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.0	28.4
125	10.4	10.3	15.5





#33
Benzo(k)fluoranthene
Concen: 2.76 ng
RT: 23.44 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:252 Resp: 49637

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.0	28.6
125	10.5	10.6	15.8#

Instrument :
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ClientSampleId :
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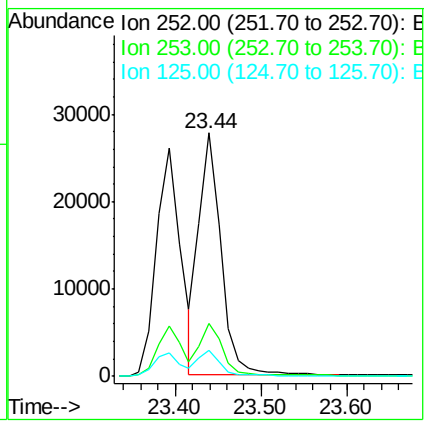
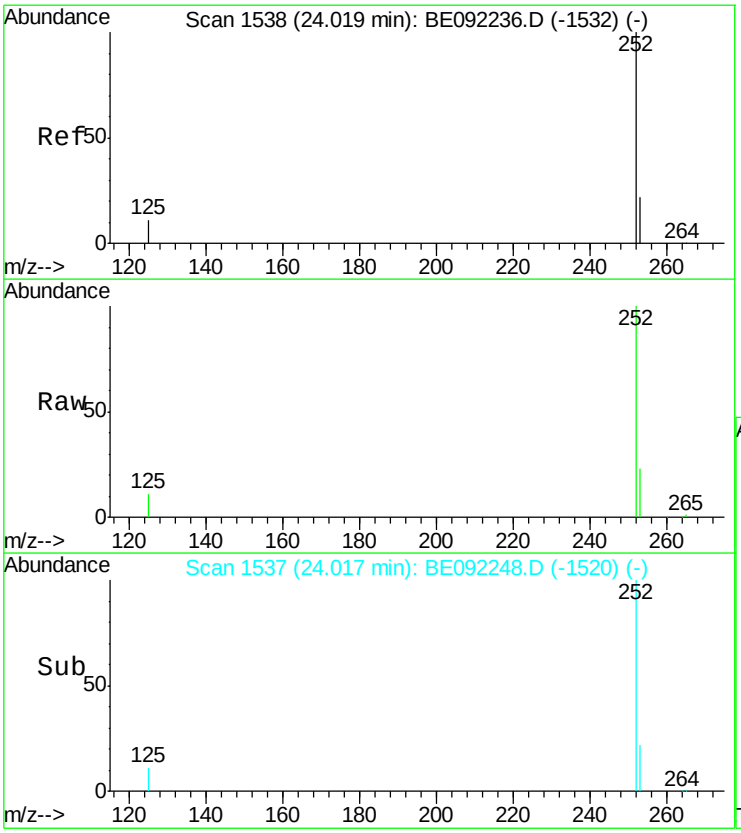
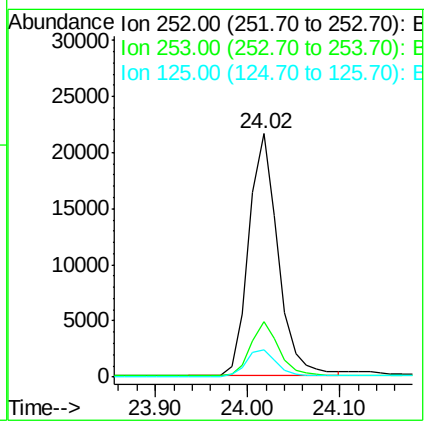


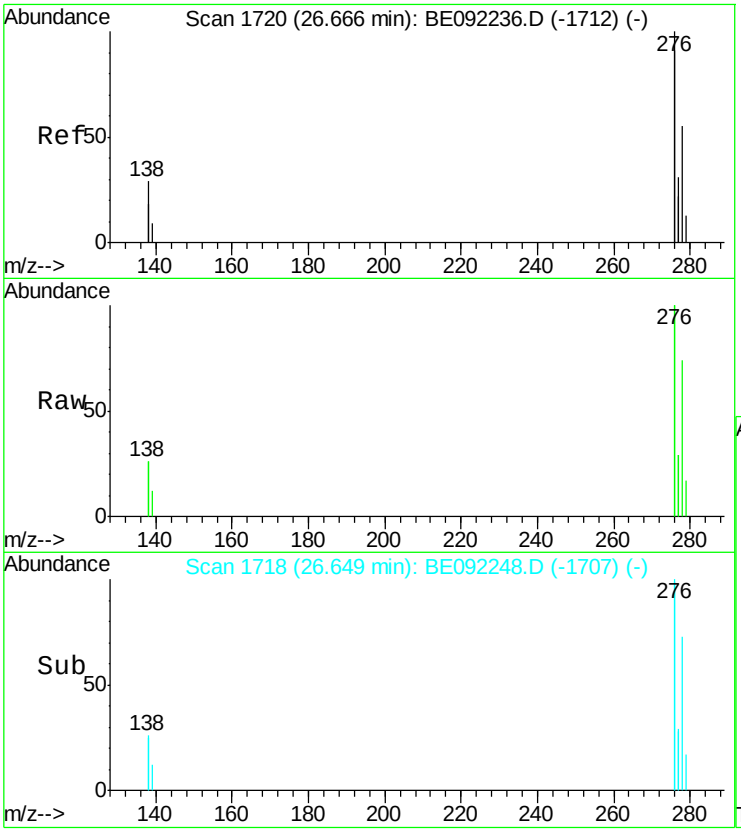


#34
Benzo(a)pyrene
Concen: 2.84 ng
RT: 24.02 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:252 Resp: 47683

Ion	Ratio	Lower	Upper
252	100		
253	22.7	20.3	30.5
125	11.3	11.8	17.6#

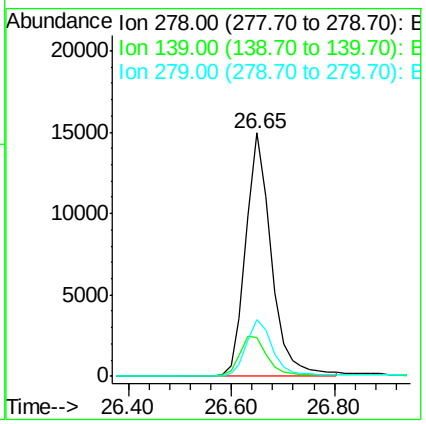




#35
Dibenzo(a,h)anthracene
Concen: 3.25 ng
RT: 26.65 min Scan# 1718
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:278 Resp: 50828

Ion	Ratio	Lower	Upper
278	100		
139	16.1	16.2	24.2#
279	23.6	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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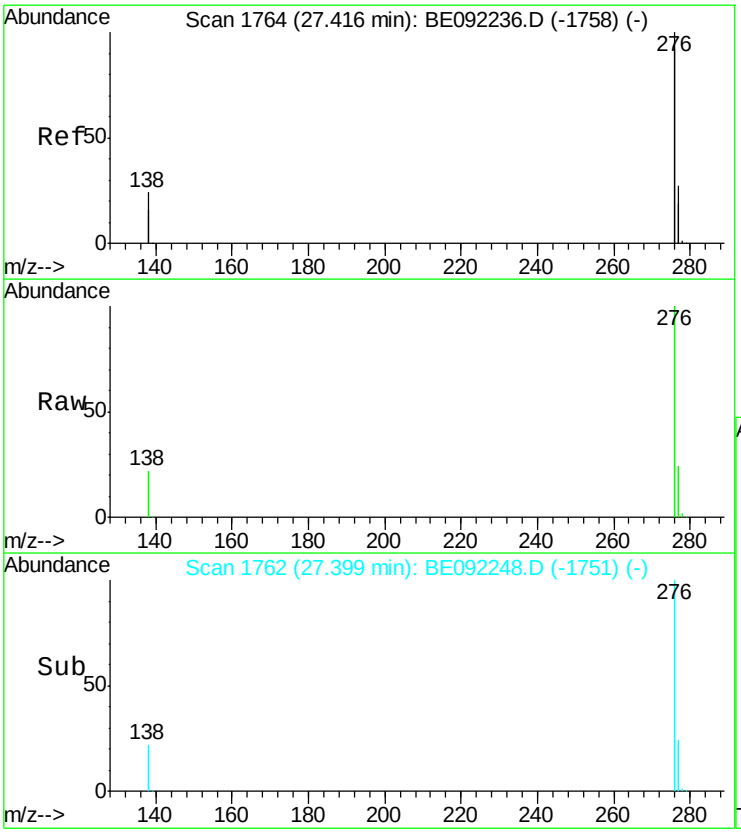

#36
Benzo(g,h,i)perylene
Concen: 3.11 ng
RT: 27.40 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092248.D
Acq: 10 Aug 2016 11:03

Tgt Ion:276 Resp: 209259

Ion	Ratio	Lower	Upper
276	100		
277	24.2	21.4	32.2
138	21.6	19.4	29.2