Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090216\
Data File : BE092353.D
Acq On : 2 Sep 2016 21:05
Operator : UM/SJ
Sample : PB93162BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB93162BSD

Manual Integrations APPROVED
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Quant Time: Sep 02 23:53:21 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	8.19	152	10138	5.00	ng		0.00
7) Naphthalene-d8	10.95	136	45683	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	24174	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	47611	5.00	ng		0.02
24) Chrysene-d12	21.75	240	56137	5.00	ng		0.00
31) Perylene-d12	24.11	264	44712	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	22696	9.42	ng		0.00
5) Phenol-d6	7.34	99	31794	9.88	ng		-0.02
8) Nitrobenzene-d5	9.34	82	13971	4.26	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	7039	9.40	ng		-0.01
14) 2-Fluorobiphenyl	13.44	172	30304	4.09	ng		0.00
26) Terphenyl-d14	20.17	244	32721	3.94	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	5329	4.29	ng	#	84
3) n-Nitrosodimethylamine	3.77	42	8399	5.20	ng	#	99
6) bis(2-Chloroethyl)ether	7.59	93	14518	4.71	ng		90
9) Naphthalene	11.01	128	44469	4.35	ng	#	94
10) Hexachlorobutadiene	11.30	225	6844	4.29	ng		100
11) 2-Methylnaphthalene	12.62	142	30526	4.56	ng		97
15) Acenaphthylene	14.53	152	192375	4.62	ng		100
16) Acenaphthene	14.88	154	28423	4.22	ng		95
17) Fluorene	15.87	166	36856	4.36	ng		100
19) Hexachlorobenzene	16.89	284	10905	4.78	ng	#	64
20) Pentachlorophenol	17.23	266	8881	7.16	ng		85
21) Phenanthrene	17.60	178	60130	4.49	ng	#	94
22) Anthracene	17.70	178	58027	4.87	ng		99
23) Fluoranthene	19.61	202	246819	4.23	ng		99
25) Pyrene	19.97	202	256917	4.70	ng		99
27) Benzo(a)anthracene	21.72	228	261411m	4.31	ng		
28) Chrysene	21.77	228	232719m	4.14	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	25644	3.05	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.60	276	264285	4.14	ng		98
32) Benzo(b)fluoranthene	23.38	252	60262	5.25	ng	#	97
33) Benzo(k)fluoranthene	23.43	252	51956	4.28	ng		94
34) Benzo(a)pyrene	23.99	252	54109	4.78	ng		94
35) Dibenzo(a,h)anthracene	26.62	278	55437	5.30	ng		94
36) Benzo(g,h,i)perylene	27.37	276	228617	5.18	ng		97

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

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Data File : BE092353.D
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Operator : UM/SJ
Sample : PB93162BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 02 23:53:21 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB93162BSD

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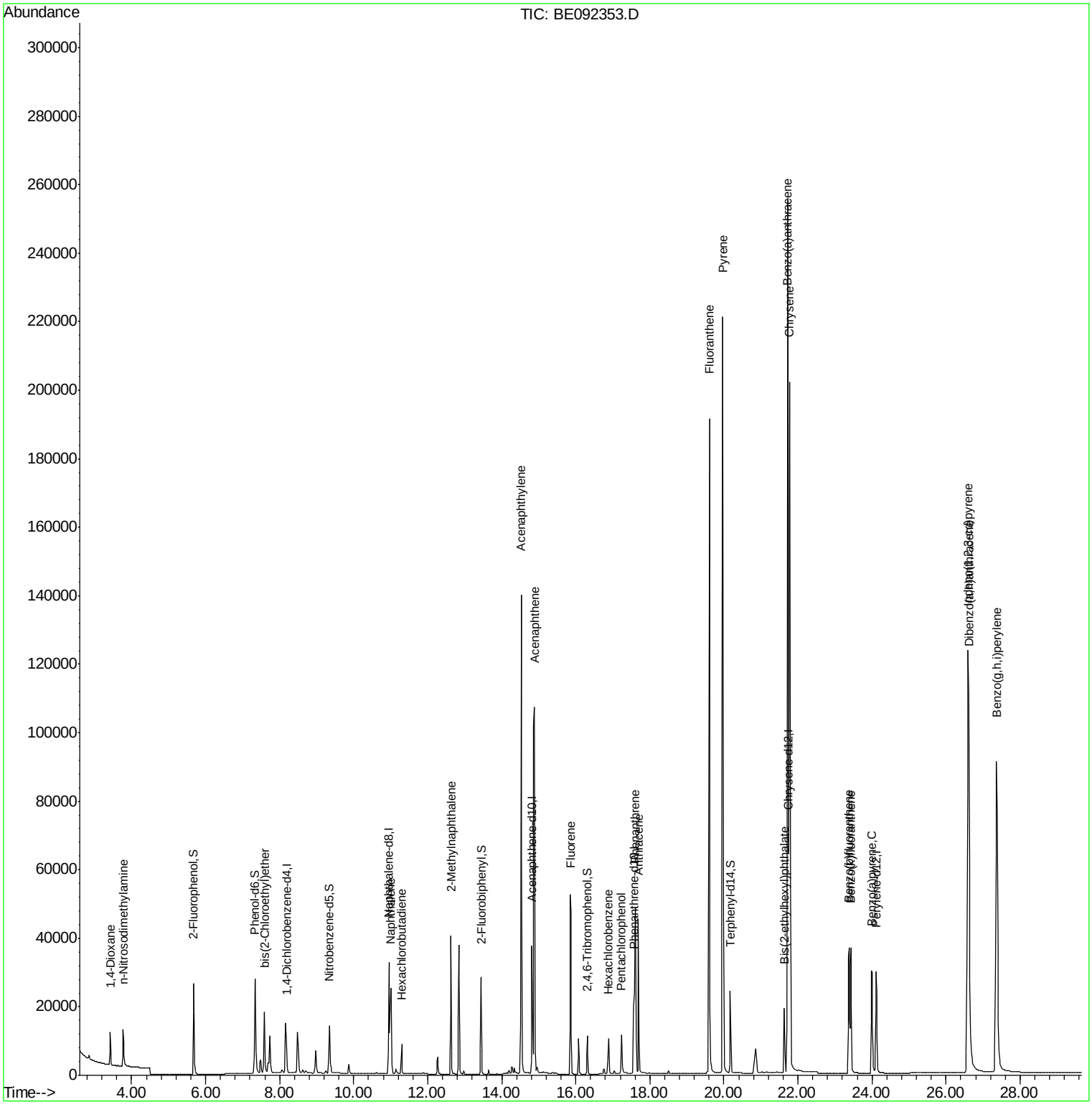
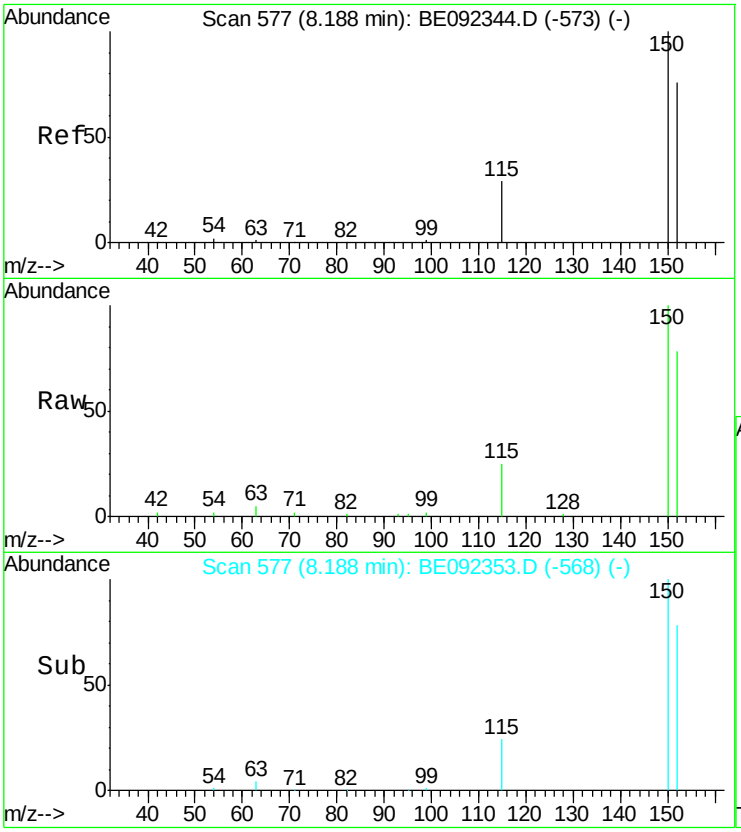
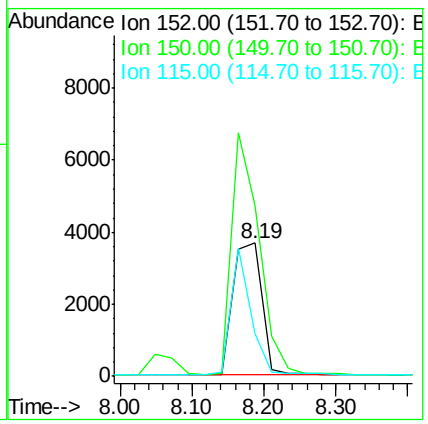




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:152 Resp: 10138

Ion	Ratio	Lower	Upper
152	100		
150	128.1	106.0	159.0
115	31.8	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
PB93162BSD

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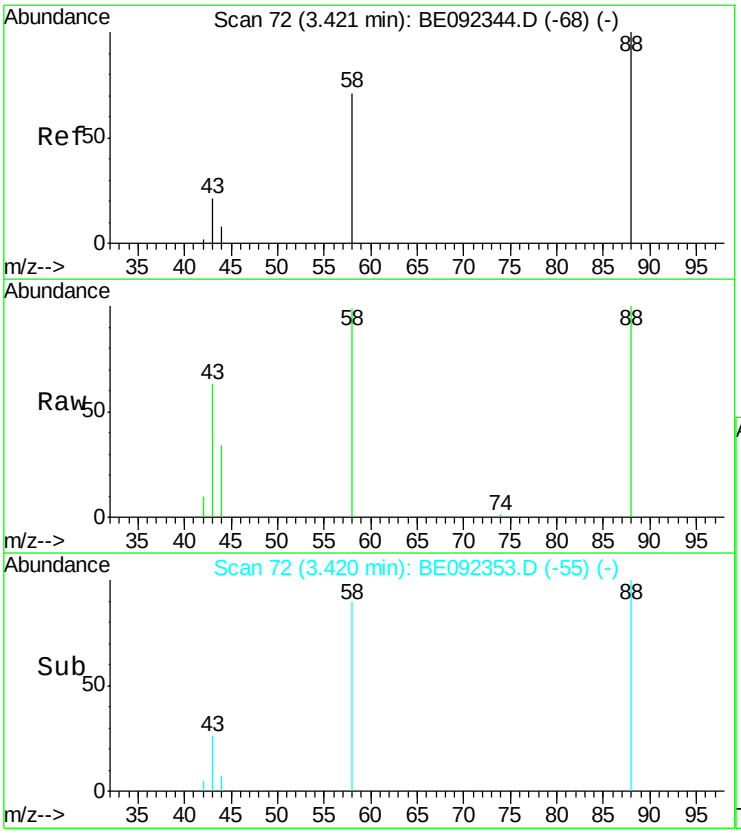
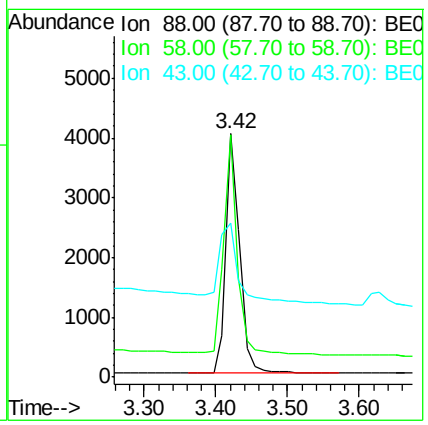
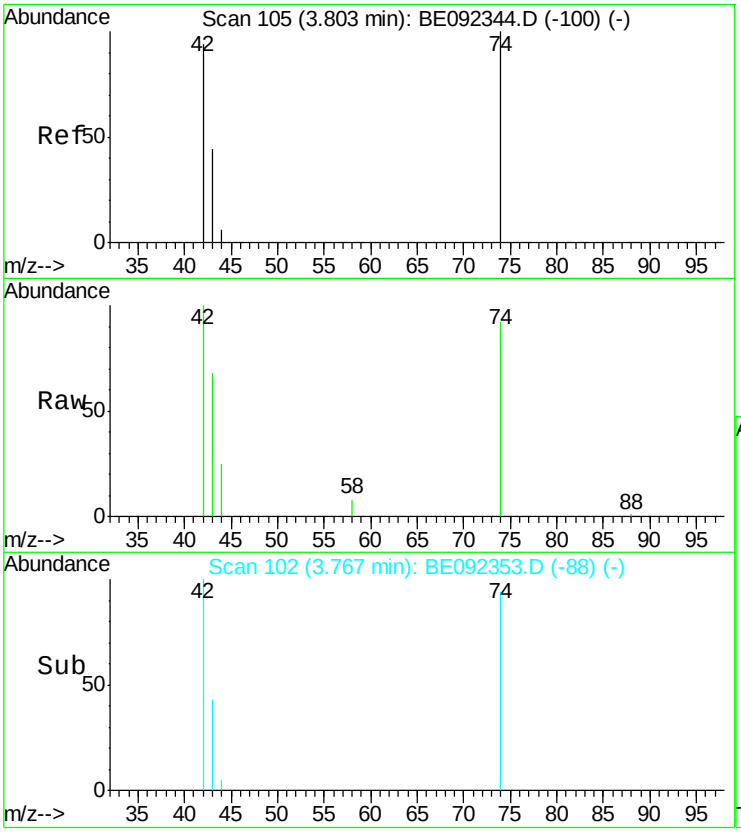


#2
1,4-Dioxane
Concen: 4.29 ng
RT: 3.42 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion: 88 Resp: 5329

Ion	Ratio	Lower	Upper
88	100		
58	90.6	63.6	95.4
43	49.2	28.0	42.0#

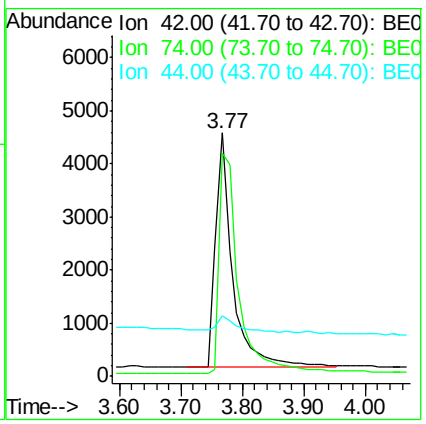




#3
n-Nitrosodimethylamine
Concen: 5.20 ng
RT: 3.77 min Scan# 102
Delta R.T. -0.03 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion: 42 Resp: 8399

Ion	Ratio	Lower	Upper
42	100		
74	108.2	86.0	129.0
44	10.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB93162BSD

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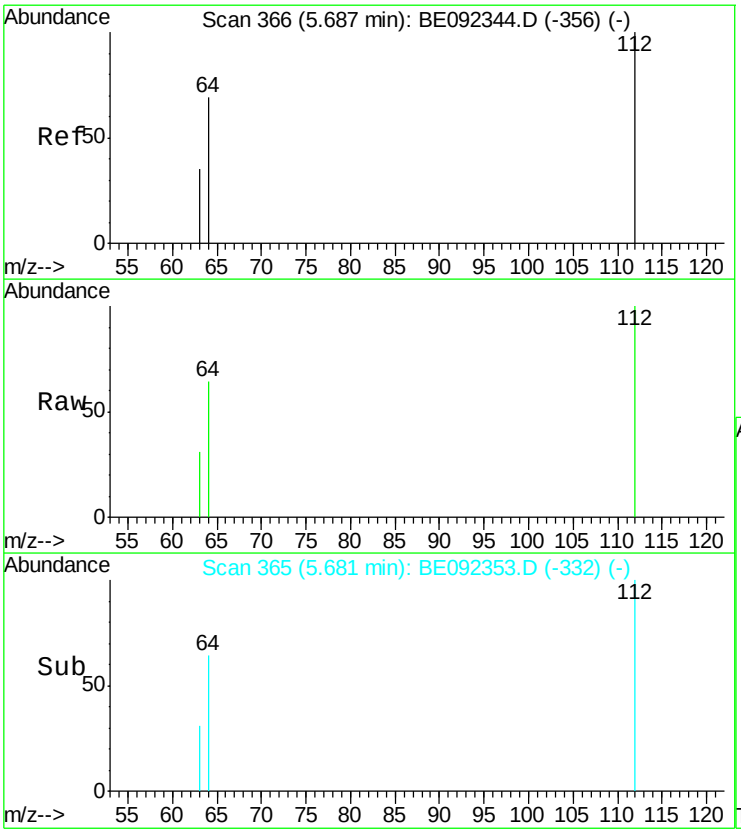
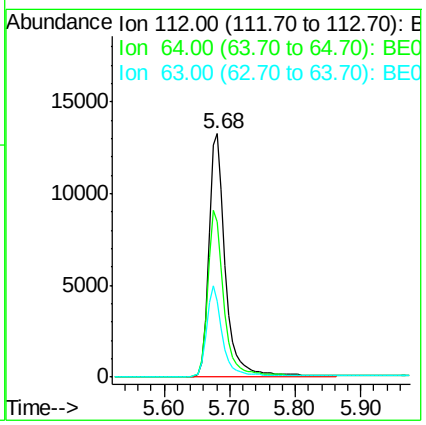
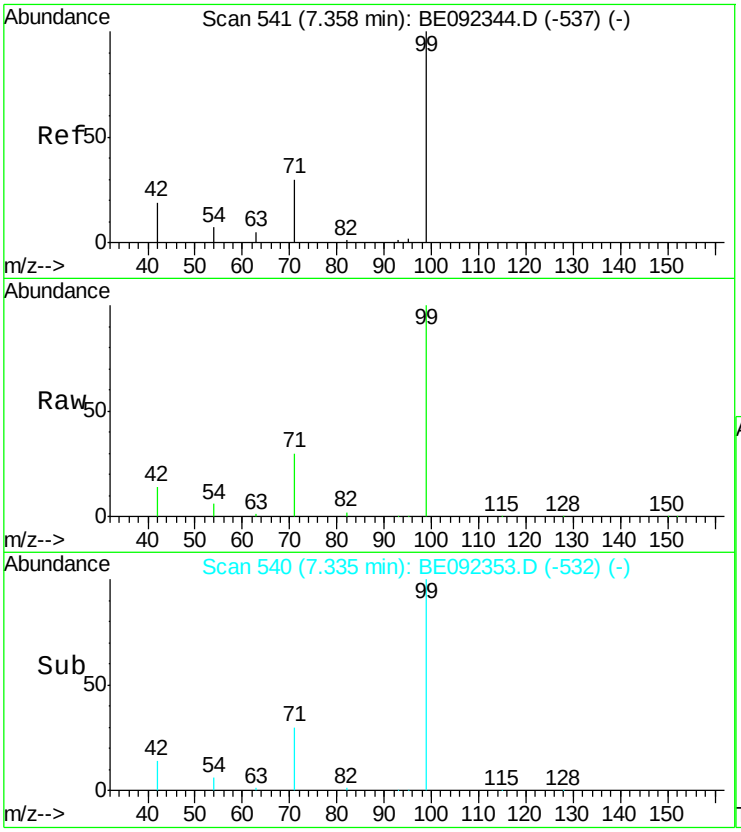


#4
2-Fluorophenol
Concen: 9.42 ng
RT: 5.68 min Scan# 365
Delta R.T. -0.01 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:112 Resp: 22696

Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.5	80.3
63	35.9	27.9	41.9

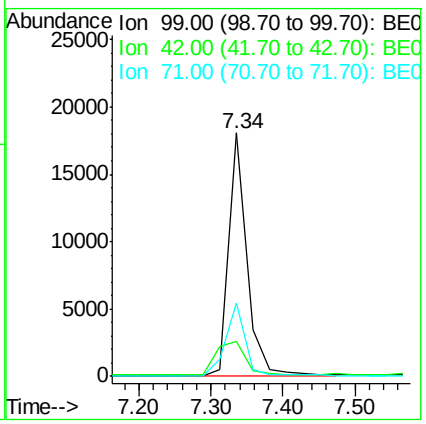




#5
Phenol-d6
Concen: 9.88 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion: 99 Resp: 31794

Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.0	24.0
71	32.1	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
PB93162BSD

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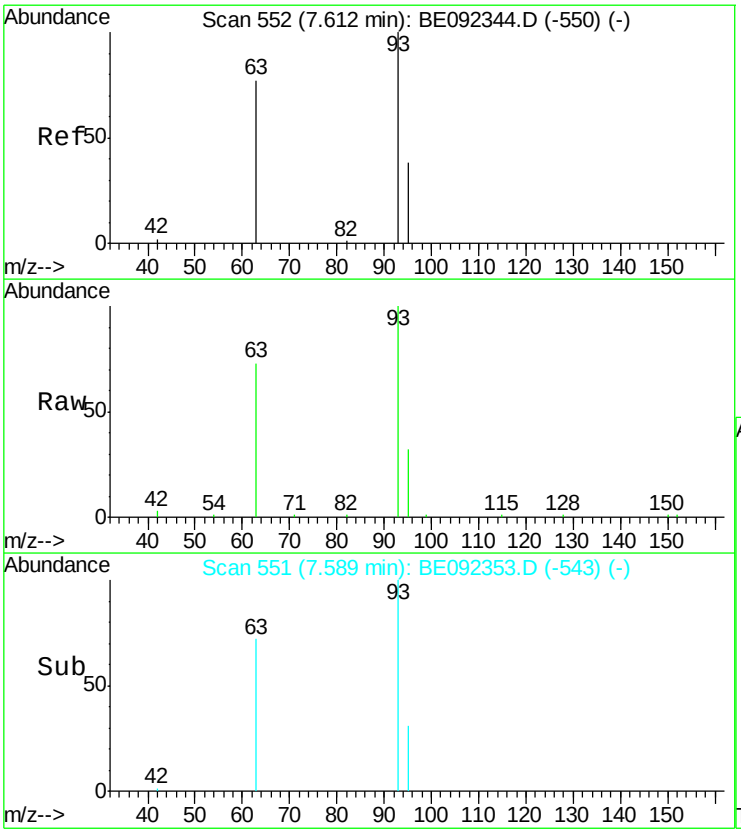
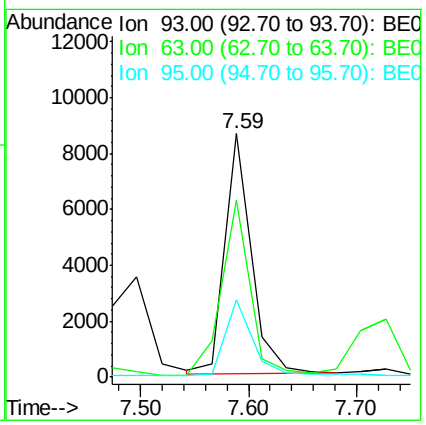
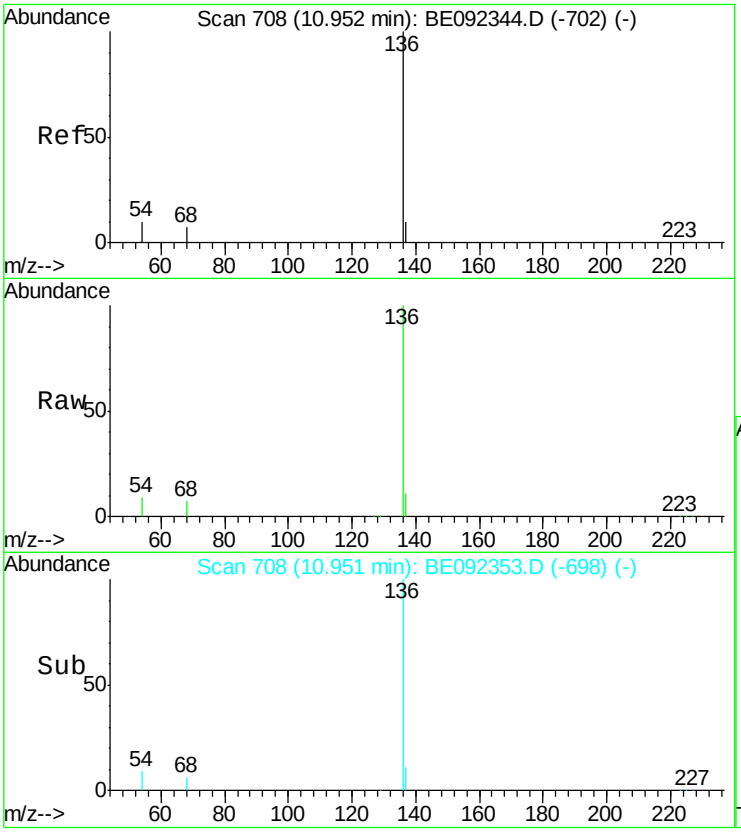


#6
bis(2-Chloroethyl)ether
Concen: 4.71 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion: 93 Resp: 14518

Ion	Ratio	Lower	Upper
93	100		
63	79.3	71.6	107.4
95	33.6	24.0	36.0

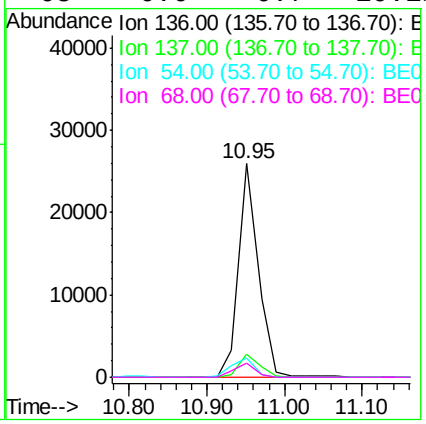




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:136 Resp: 45683

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	9.0	9.6	14.4#
68	6.6	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB93162BSD

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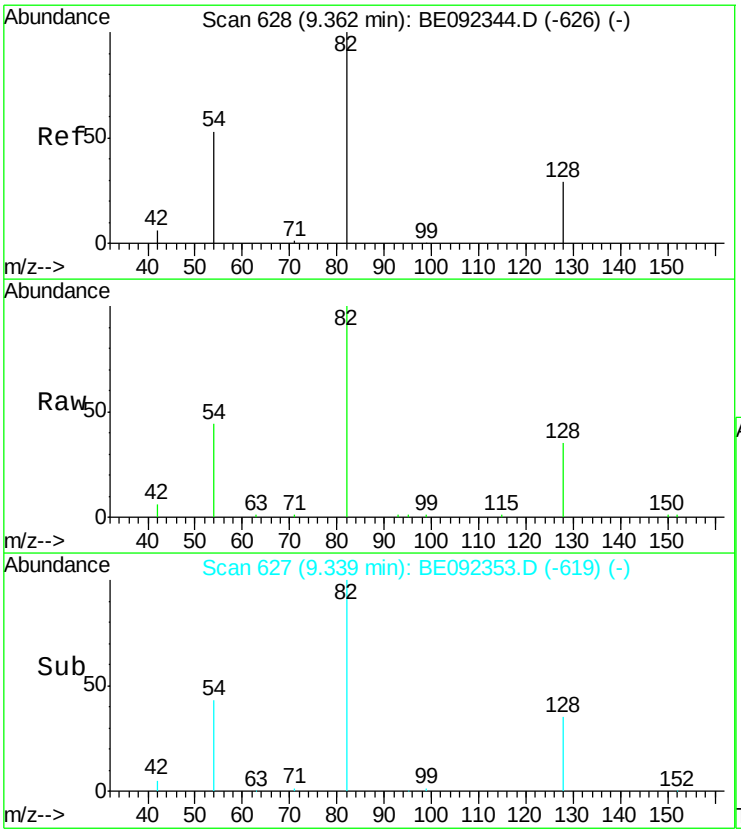
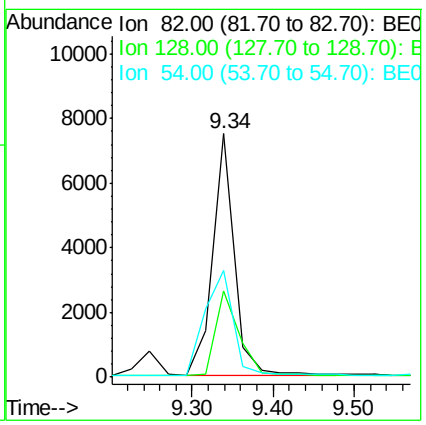
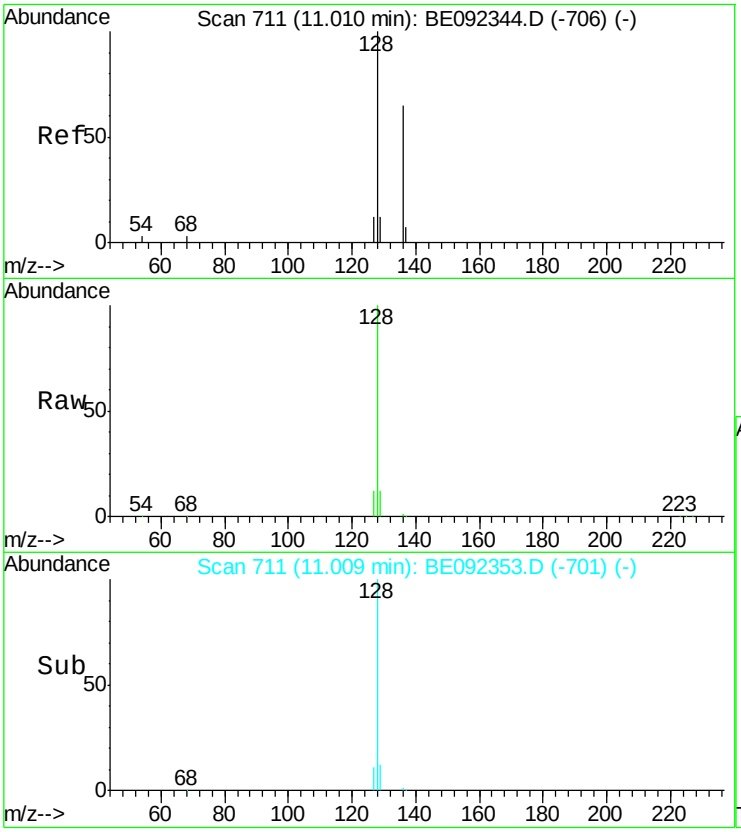


#8
Nitrobenzene-d5
Concen: 4.26 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion: 82 Resp: 13971

Ion	Ratio	Lower	Upper
82	100		
128	35.1	39.0	58.4#
54	43.9	44.8	67.2#

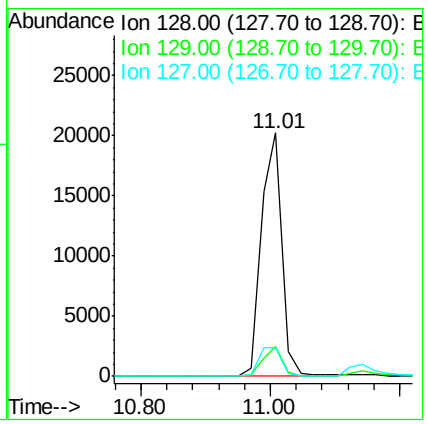




#9
Naphthalene
Concen: 4.35 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:128 Resp: 44469

Ion	Ratio	Lower	Upper
128	100		
129	12.1	11.2	16.8
127	11.5	11.6	17.4#



Instrument :
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ClientSampleId :
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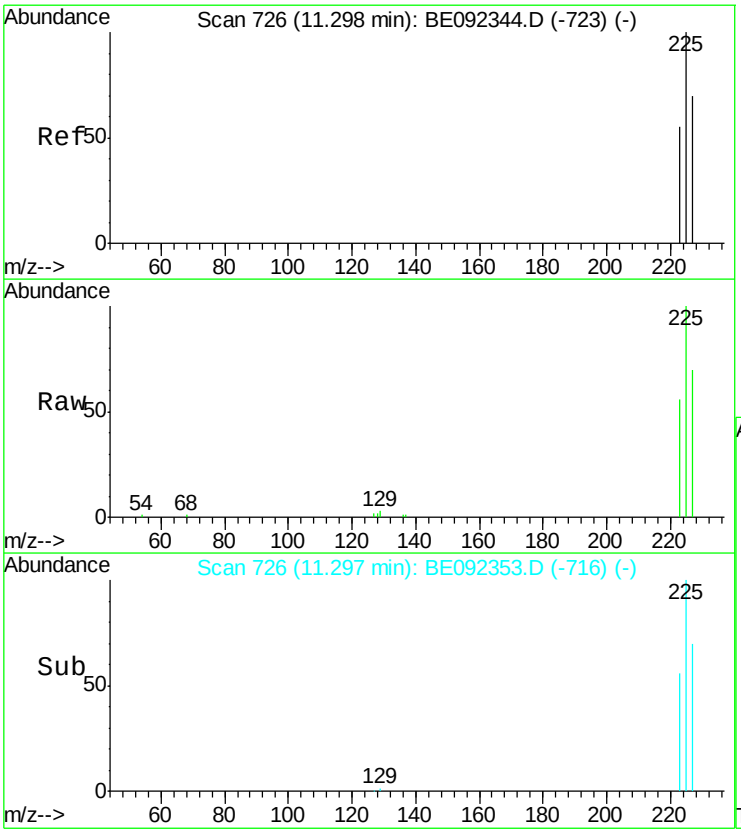
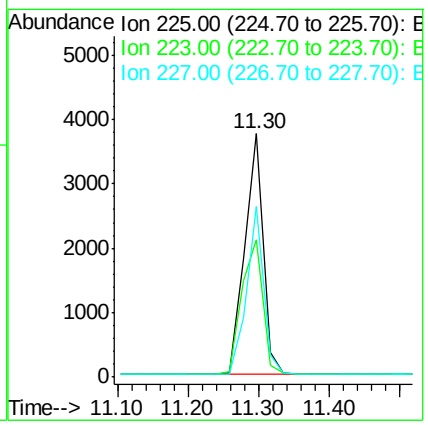
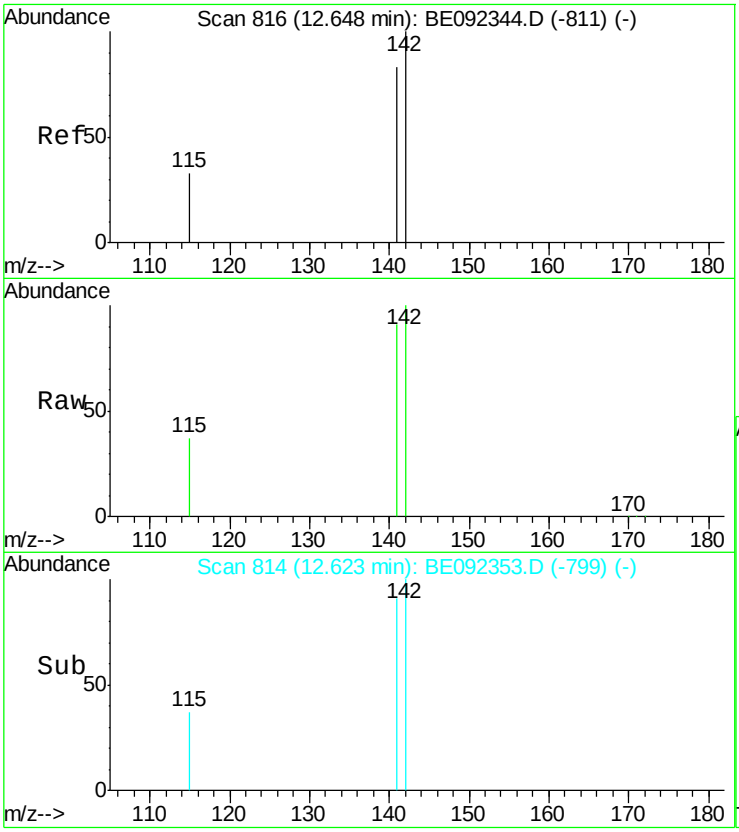


#10
Hexachlorobutadiene
Concen: 4.29 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:225 Resp: 6844

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	64.5	51.4	77.0

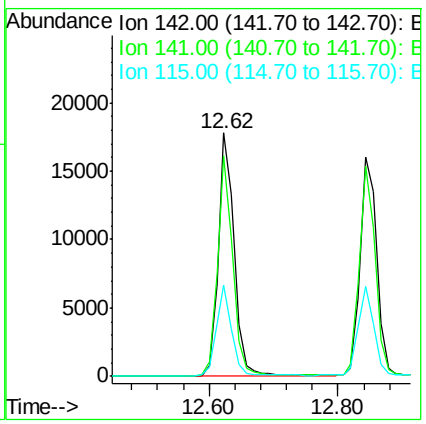




#11
2-Methylnaphthalene
Concen: 4.56 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:142 Resp: 30526

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.7	110.5
115	37.5	34.0	51.0



Instrument :
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ClientSampleId :
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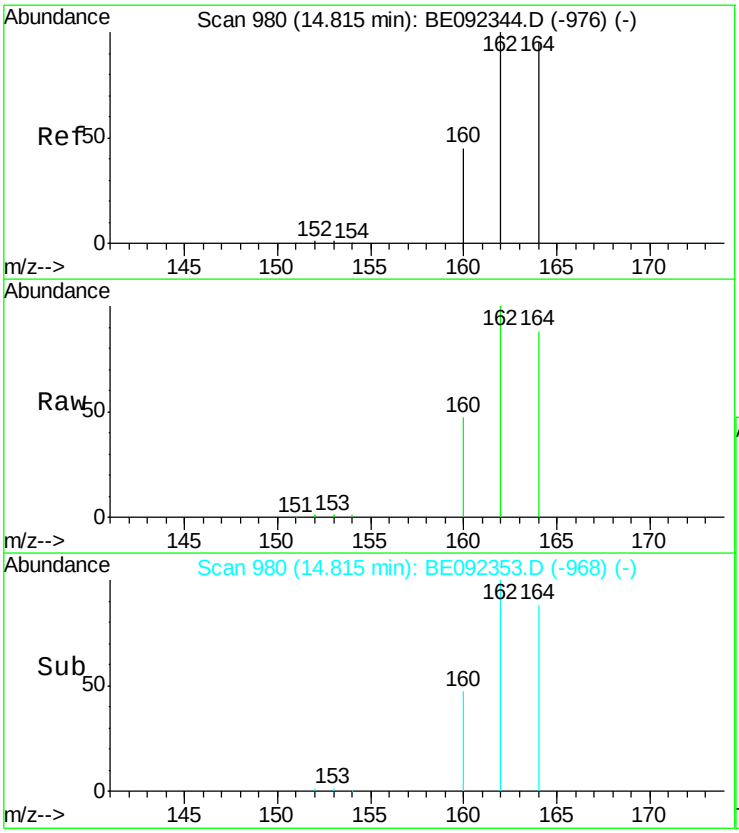
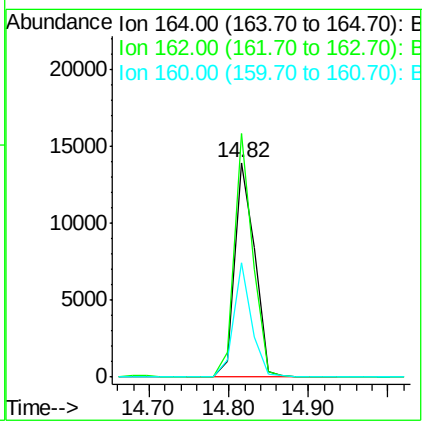
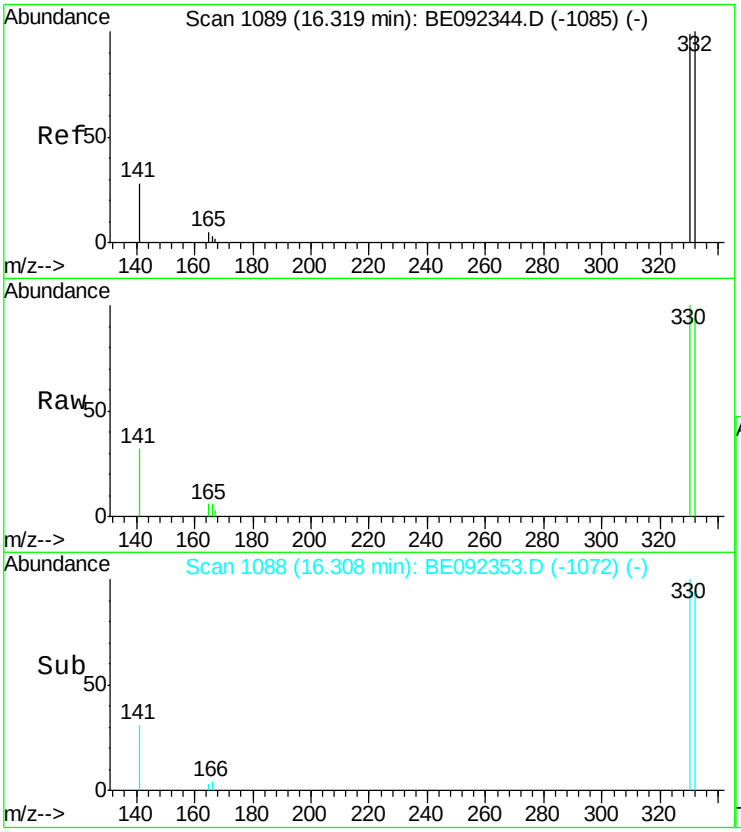


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:164 Resp: 24174

Ion	Ratio	Lower	Upper
164	100		
162	113.3	71.4	107.0#
160	53.4	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 9.40 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:330 Resp: 7039

Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.4	113.0
141	41.6	31.0	46.6

Instrument :
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ClientSampleId :
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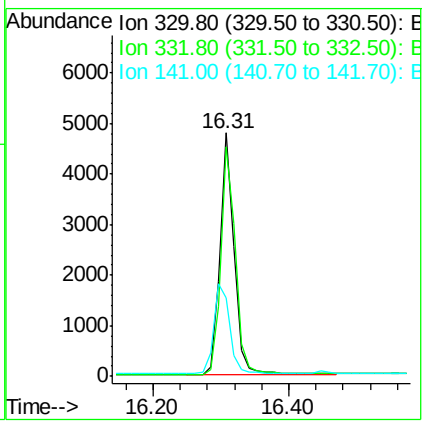
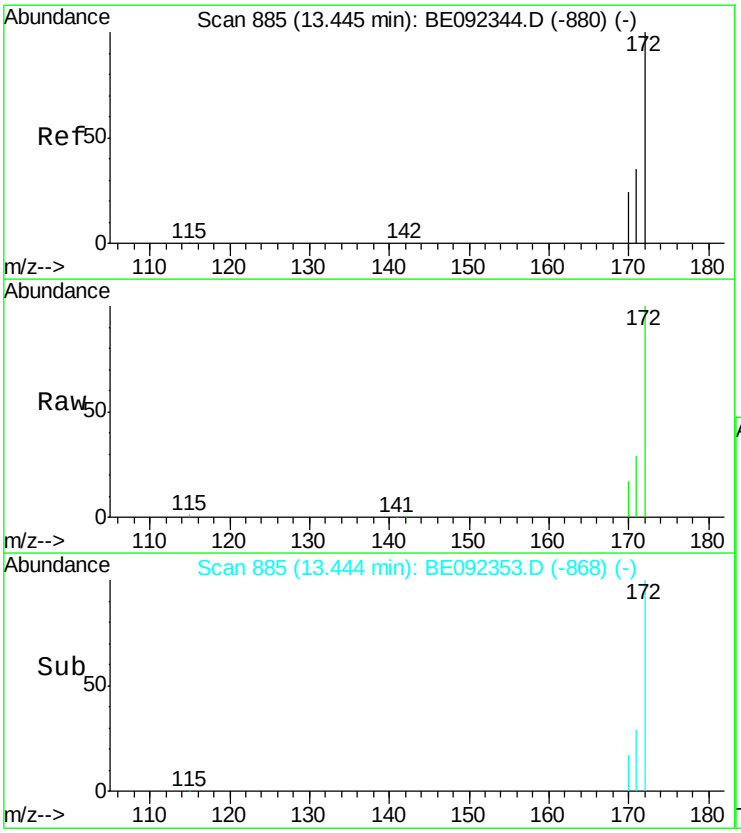
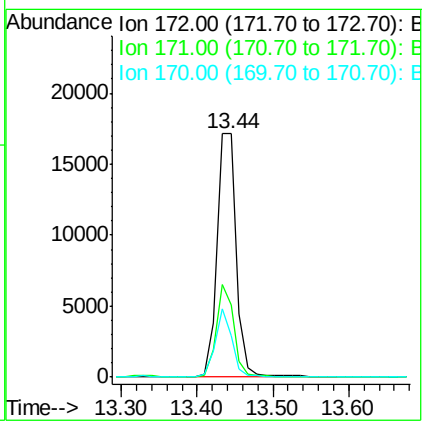


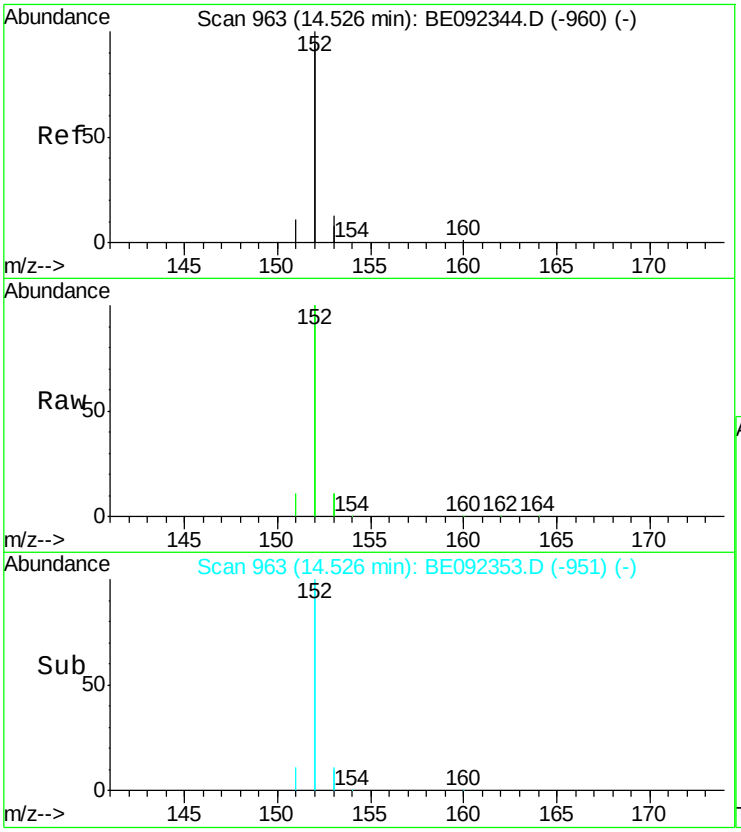


#14
2-Fluorobiphenyl
Concen: 4.09 ng
RT: 13.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:172 Resp: 30304

Ion	Ratio	Lower	Upper
172	100		
171	29.5	30.1	45.1#
170	17.1	21.8	32.6#

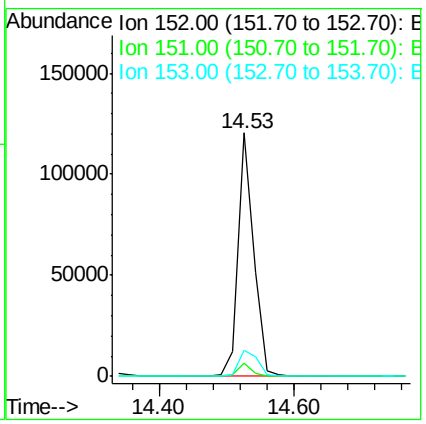




#15
Acenaphthylene
Concen: 4.62 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:152 Resp: 192375

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	12.8	10.4	15.6



Instrument :
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ClientSampleId :
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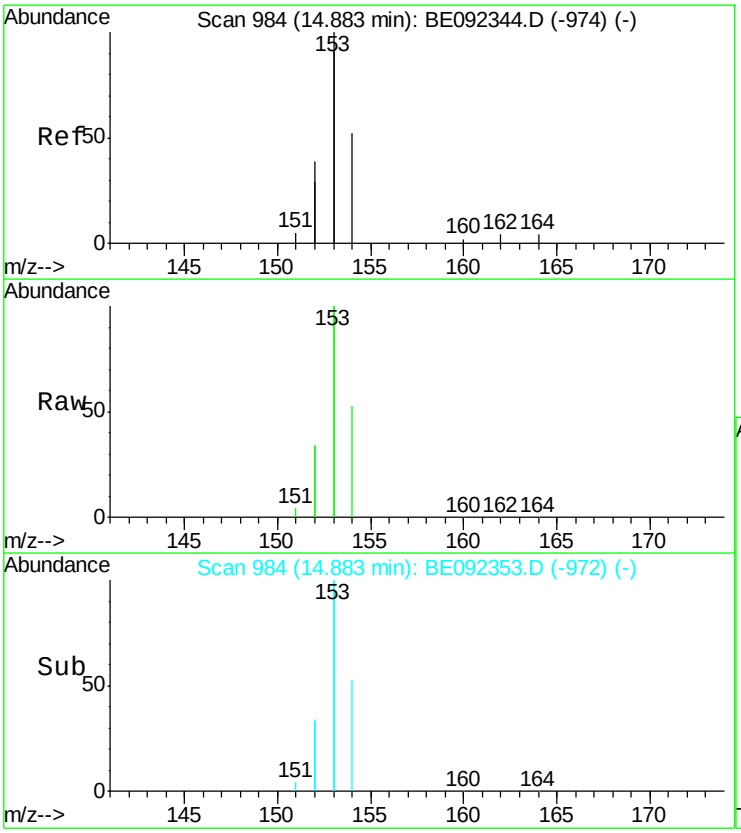
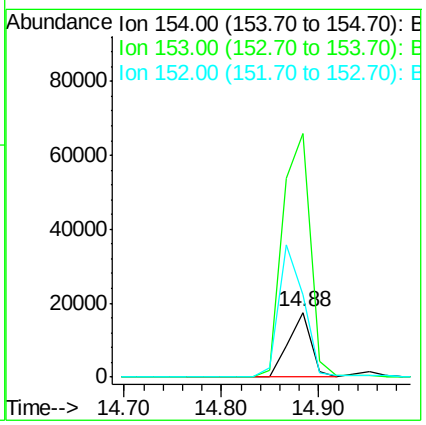
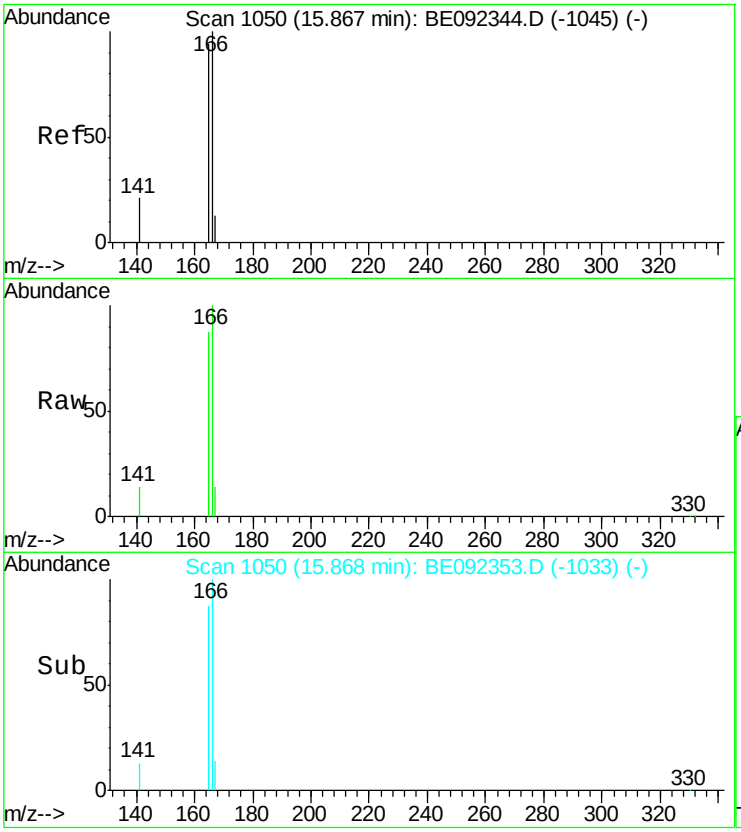


#16
Acenaphthene
Concen: 4.22 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:154 Resp: 28423

Ion	Ratio	Lower	Upper
154	100		
153	452.0	350.8	526.2
152	222.1	171.1	256.7

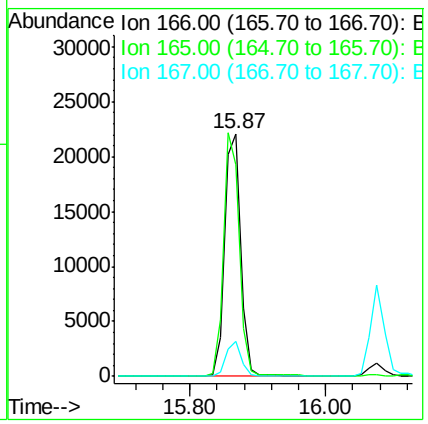




#17
Fluorene
Concen: 4.36 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:166 Resp: 36856

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.2	117.4
167	13.5	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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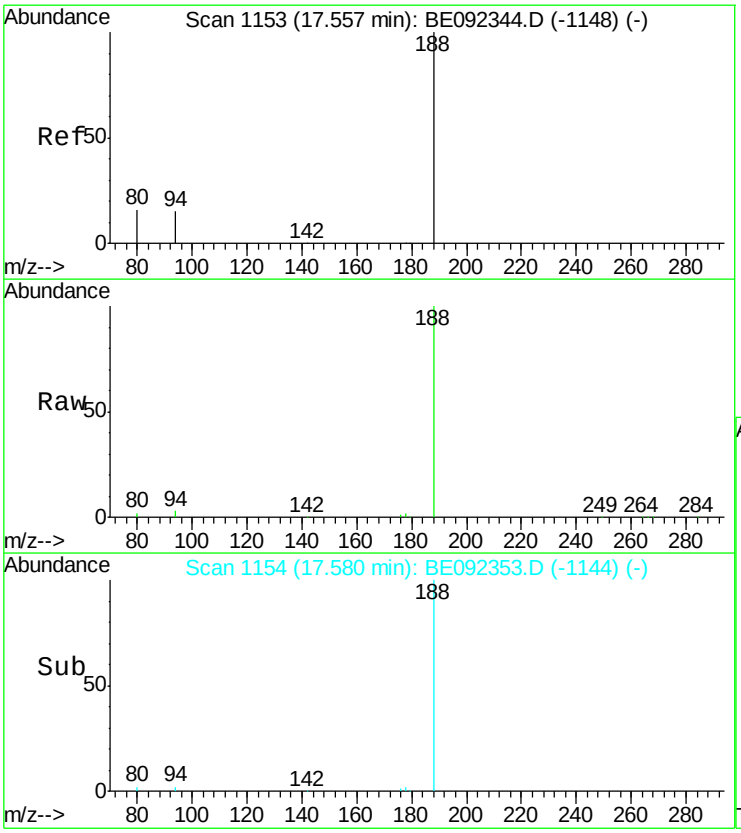
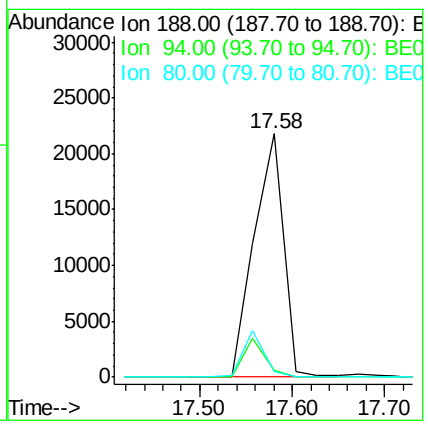
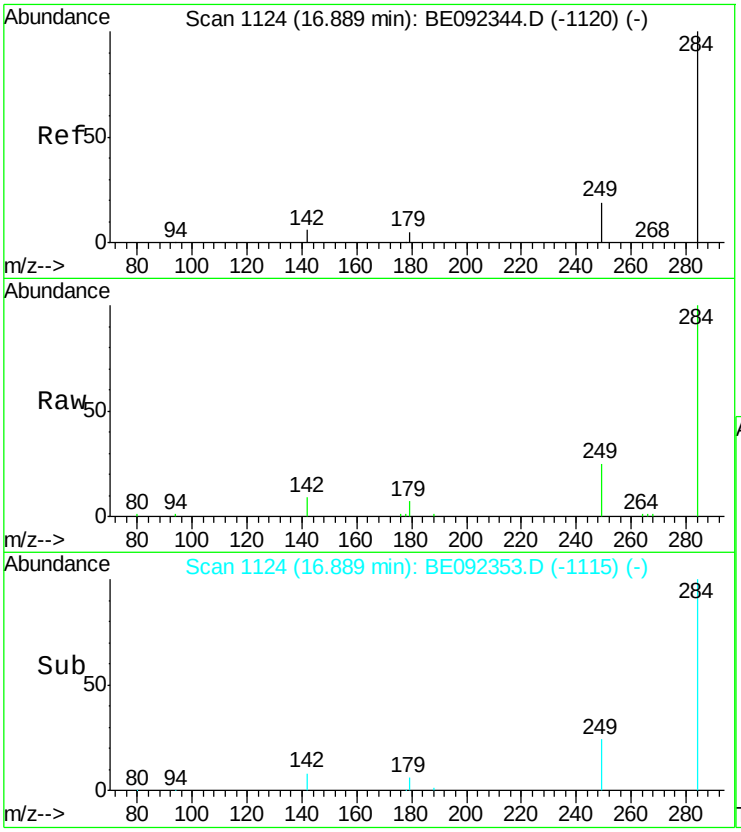


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:188 Resp: 47611

Ion	Ratio	Lower	Upper
188	100		
94	2.6	3.2	4.8#
80	2.0	2.6	3.8#





#19
Hexachlorobenzene
Concen: 4.78 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:284 Resp: 10905

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

Instrument :
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ClientSampleId :
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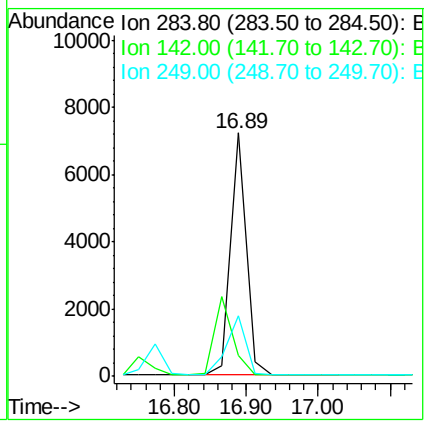
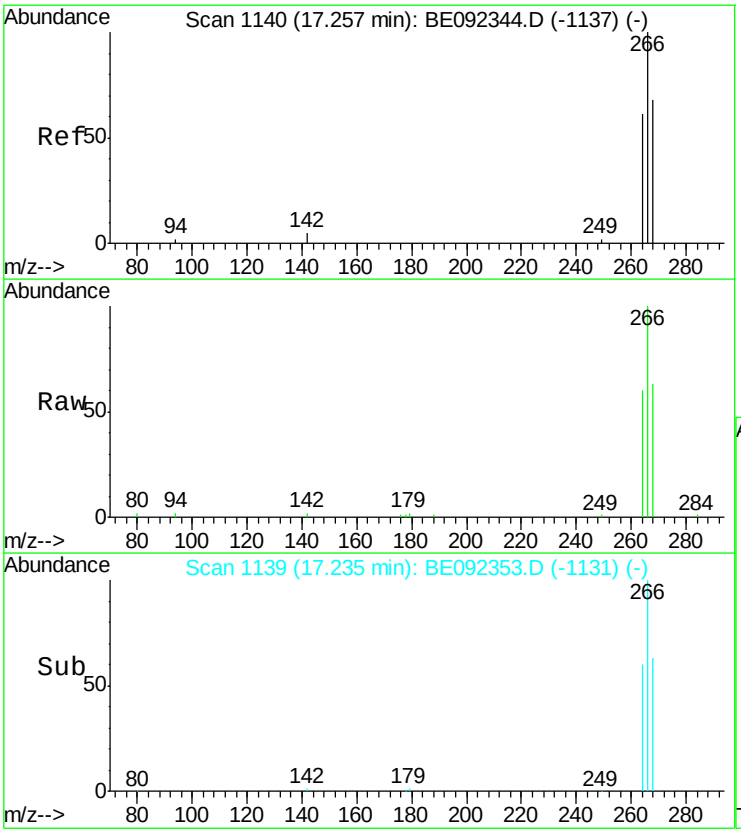
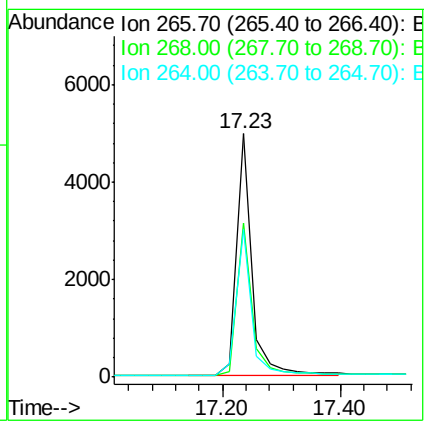


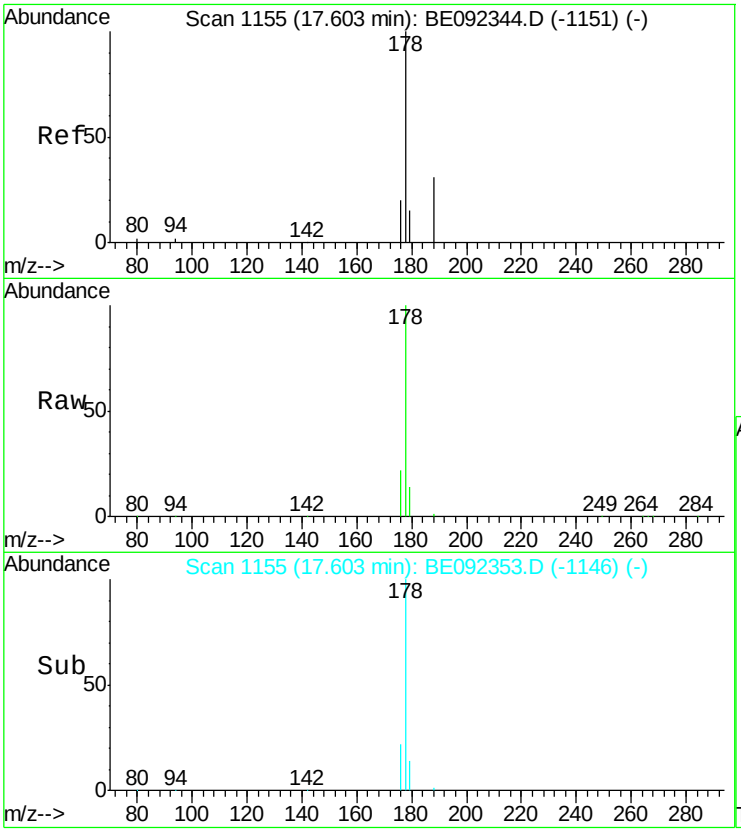


#20
Pentachlorophenol
Concen: 7.16 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:266 Resp: 8881

Ion	Ratio	Lower	Upper
266	100		
268	63.3	62.5	93.7
264	60.4	57.2	85.8

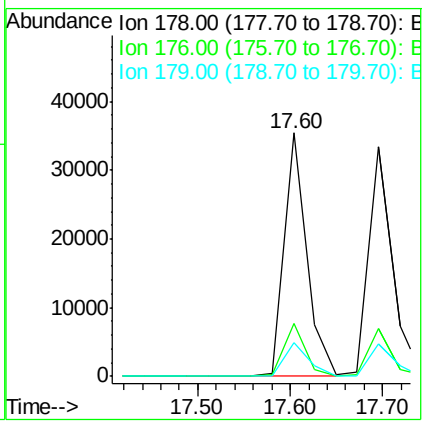




#21
Phenanthrene
Concen: 4.49 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:178 Resp: 60130

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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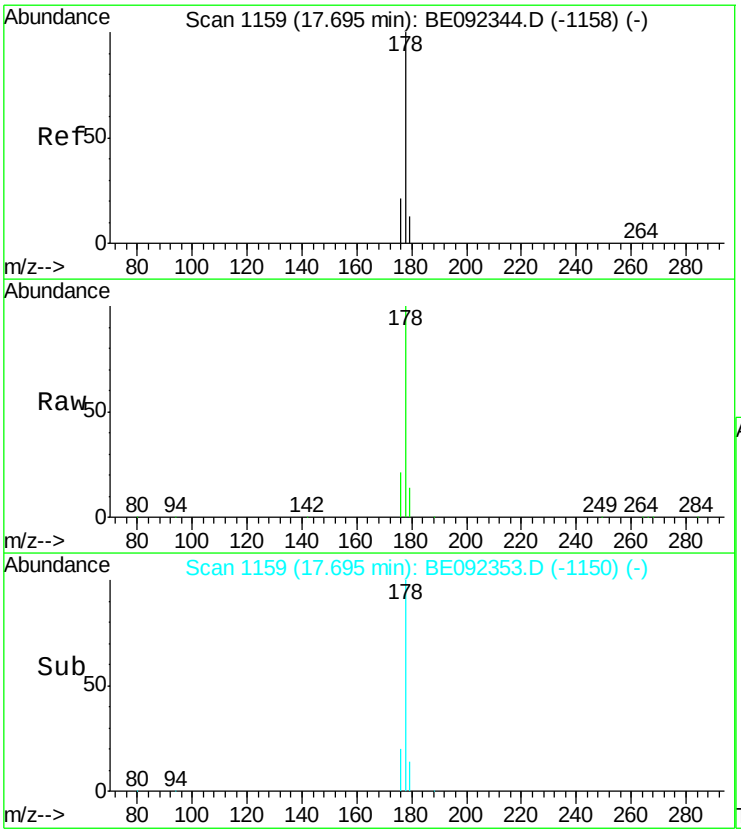
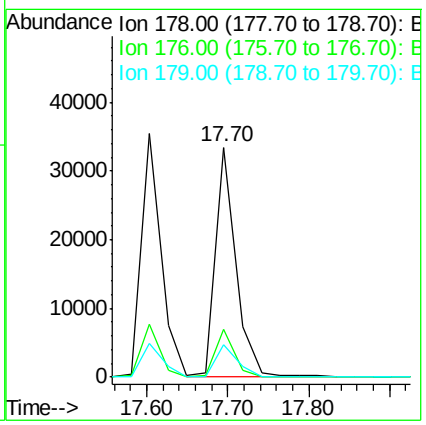
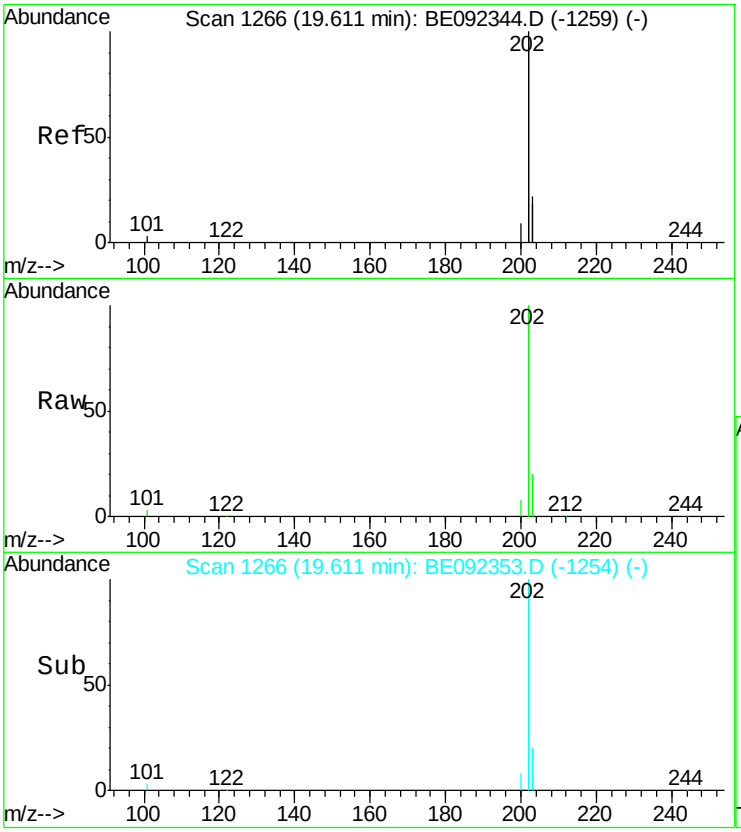


#22
Anthracene
Concen: 4.87 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:178 Resp: 58027

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.1	12.2	18.2

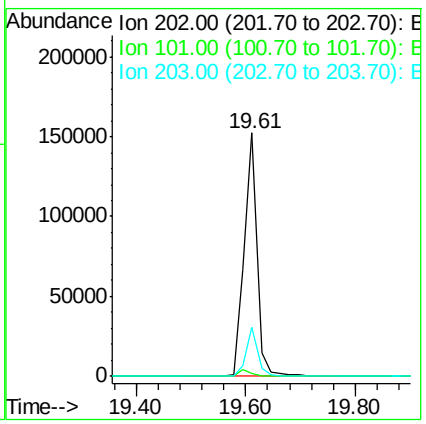




#23
Fluoranthene
Concen: 4.23 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:202 Resp: 246819

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.8	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
PB93162BSD

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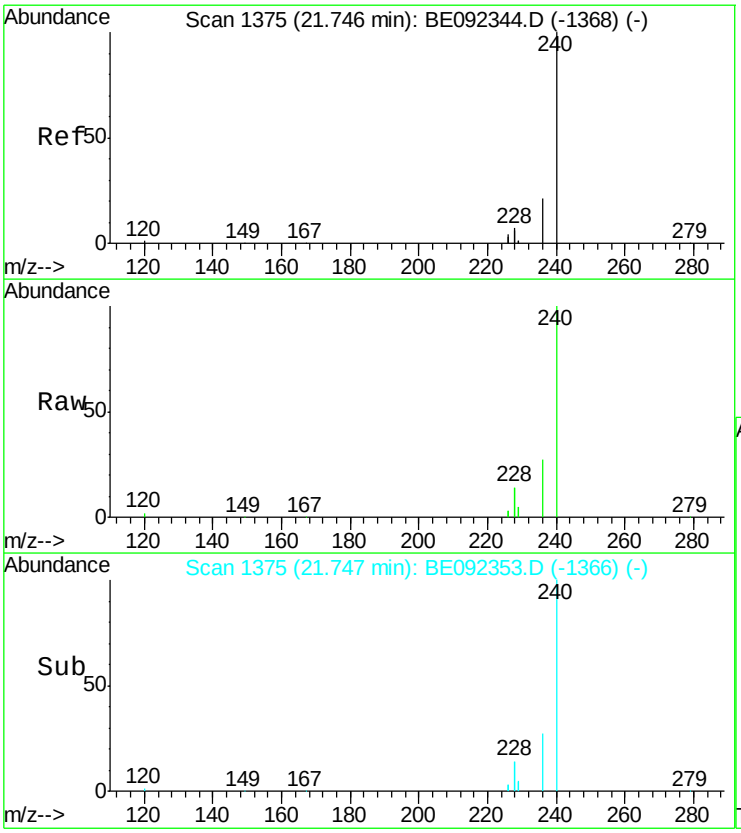
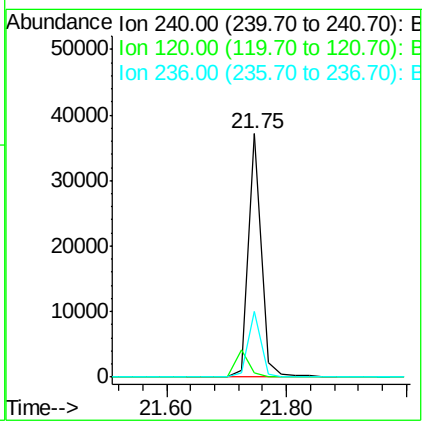
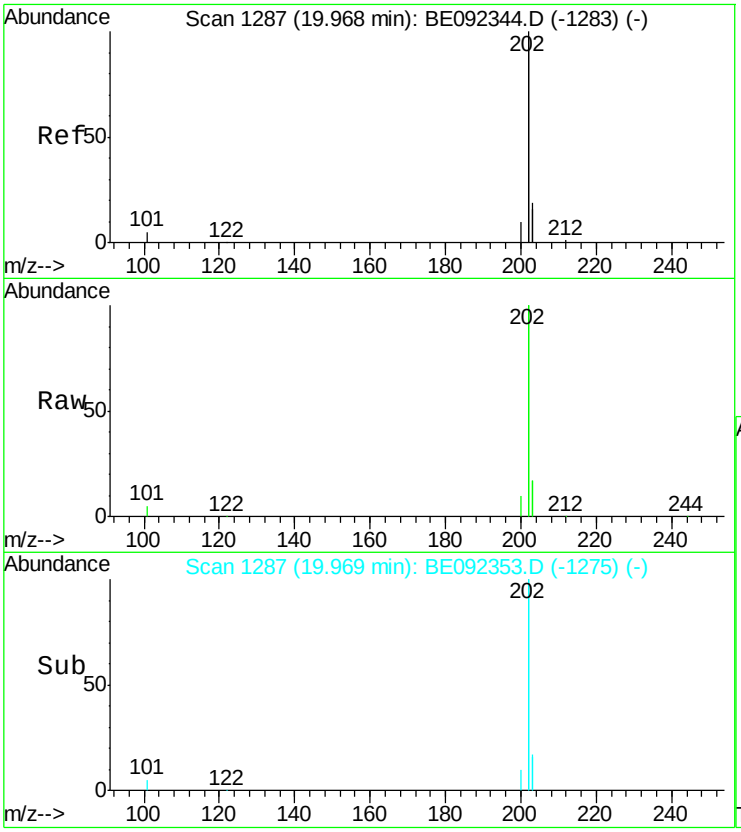


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:240 Resp: 56137

Ion	Ratio	Lower	Upper
240	100		
120	1.6	2.6	4.0#
236	26.7	24.6	37.0





#25
Pyrene
Concen: 4.70 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:202 Resp: 256917

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.8	13.9	20.9

Instrument :
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ClientSampleId :
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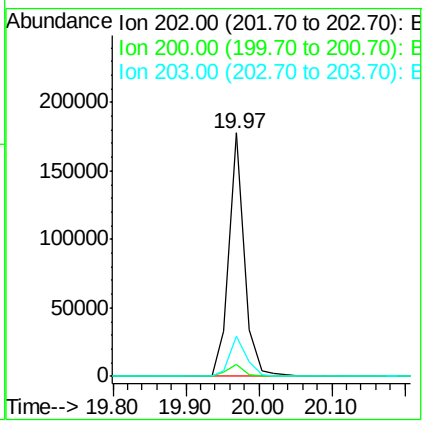
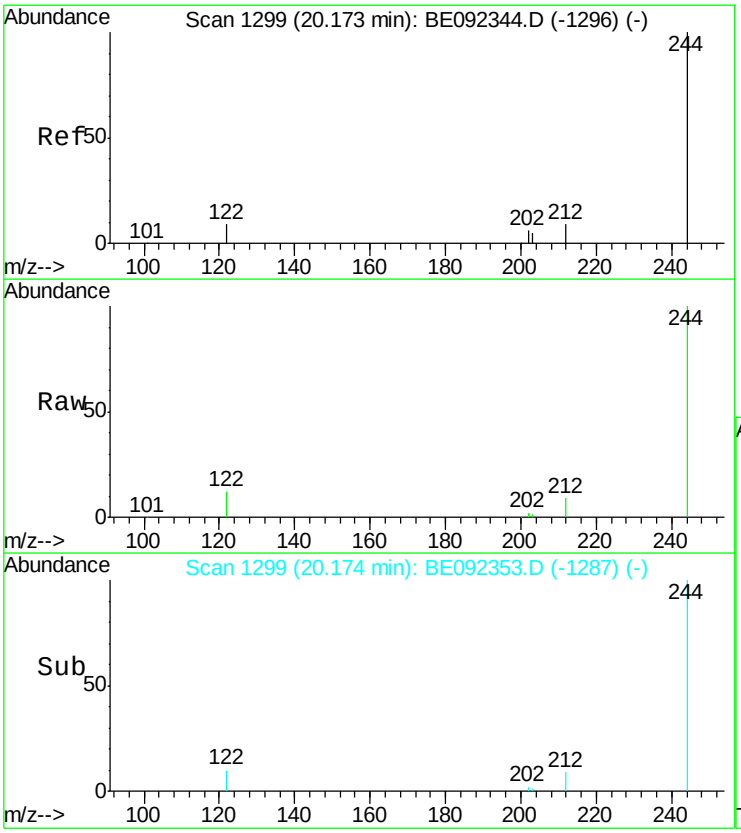
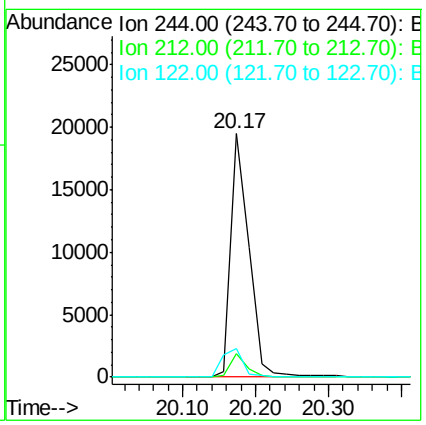


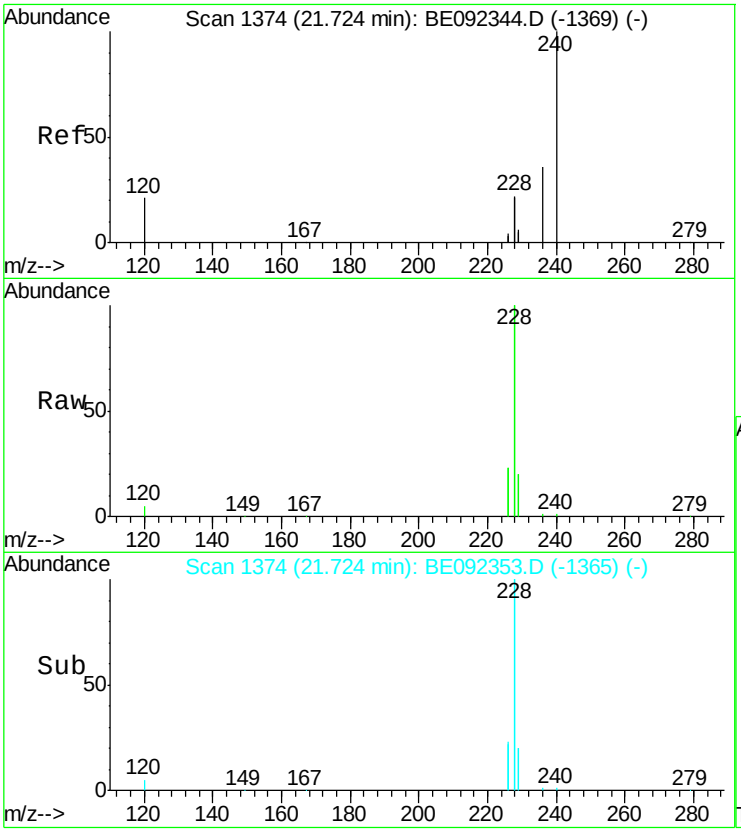


#26
Terphenyl-d14
Concen: 3.94 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:244 Resp: 32721

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.7	10.1
122	11.6	3.6	5.4#





#27
Benzo(a)anthracene
Concen: 4.31 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:228 Resp: 261411

Ion	Ratio	Lower	Upper
228	100		
226	22.5	23.6	35.4#
229	20.3	13.3	19.9#

Instrument :
BNA_E
ClientSampleId :
PB93162BSD

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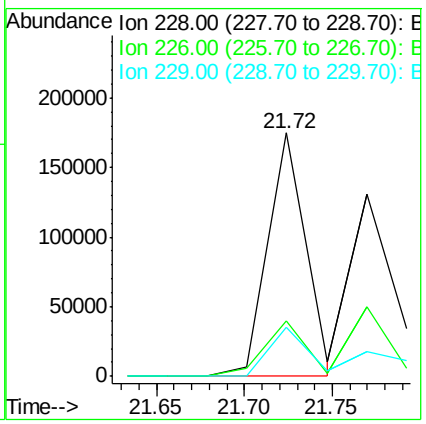
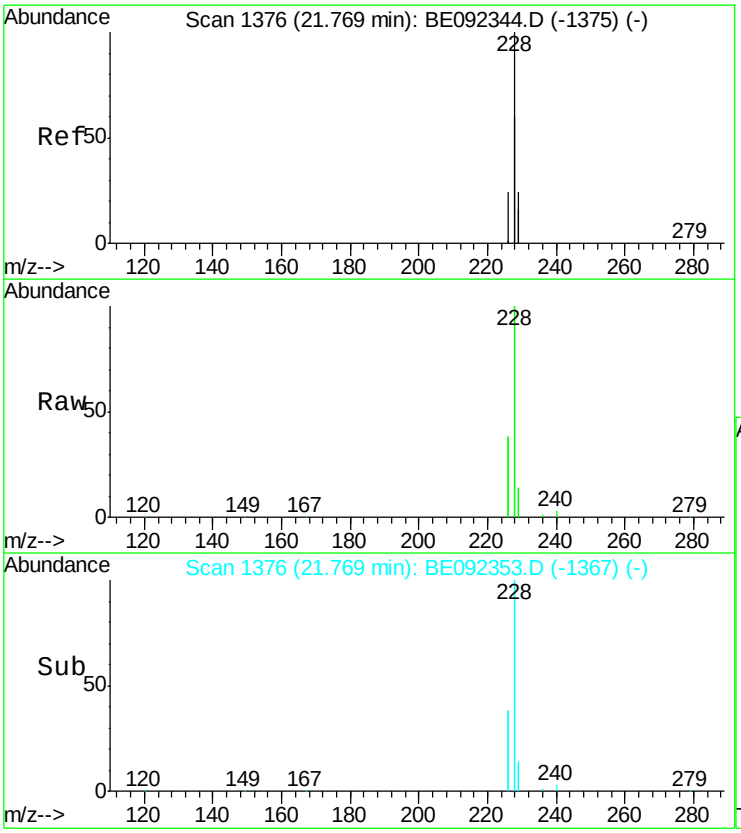
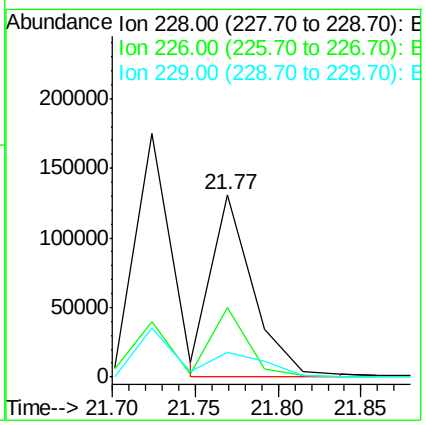


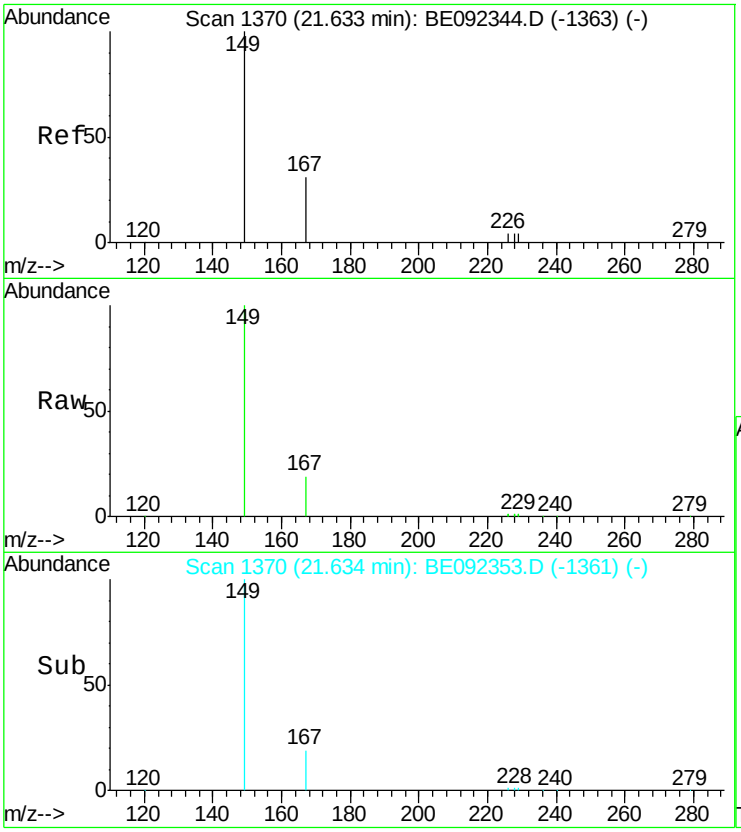


#28
Chrysene
Concen: 4.14 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:228 Resp: 232719

Ion	Ratio	Lower	Upper
228	100		
226	38.1	36.3	54.5
229	13.7	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 3.05 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:149 Resp: 25644

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

Instrument :
BNA_E
ClientSampleId :
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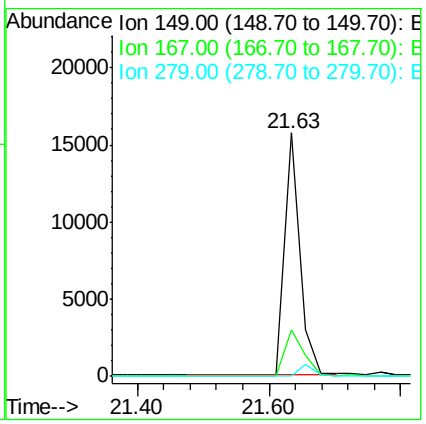
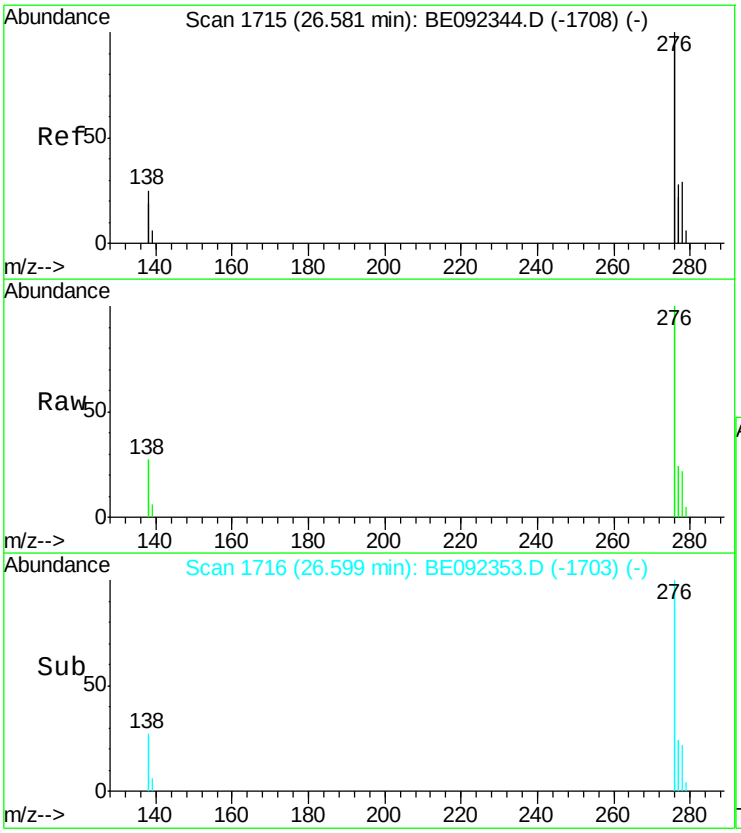
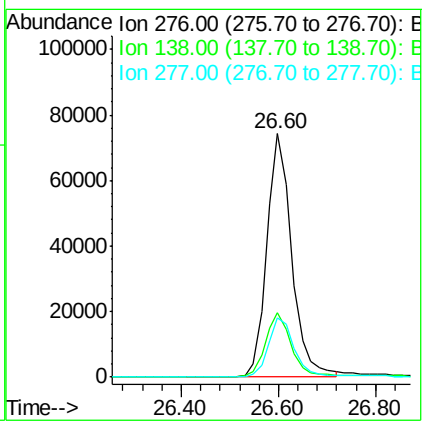


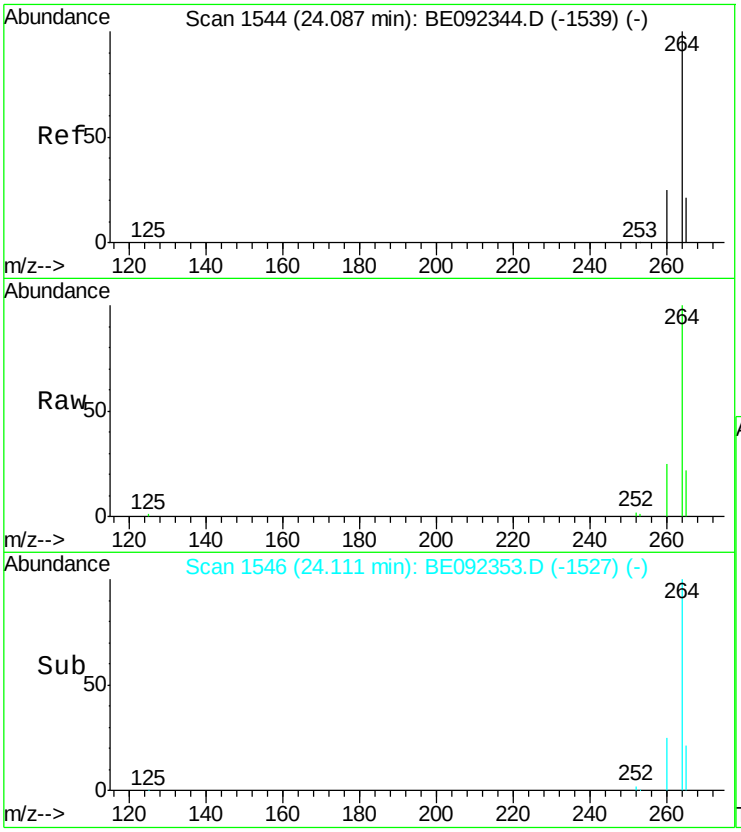


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.14 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:276 Resp: 264285

Ion	Ratio	Lower	Upper
276	100		
138	26.9	20.3	30.5
277	24.8	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: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:264 Resp: 44712

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	21.6	17.9	26.9

Instrument :
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ClientSampleId :
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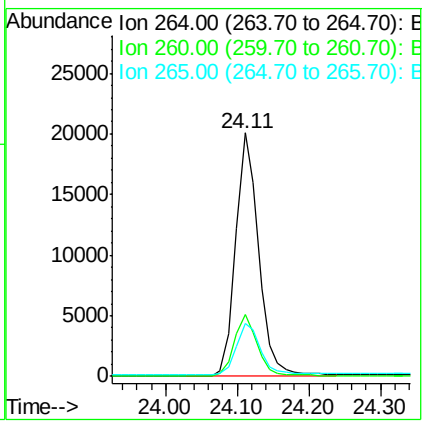
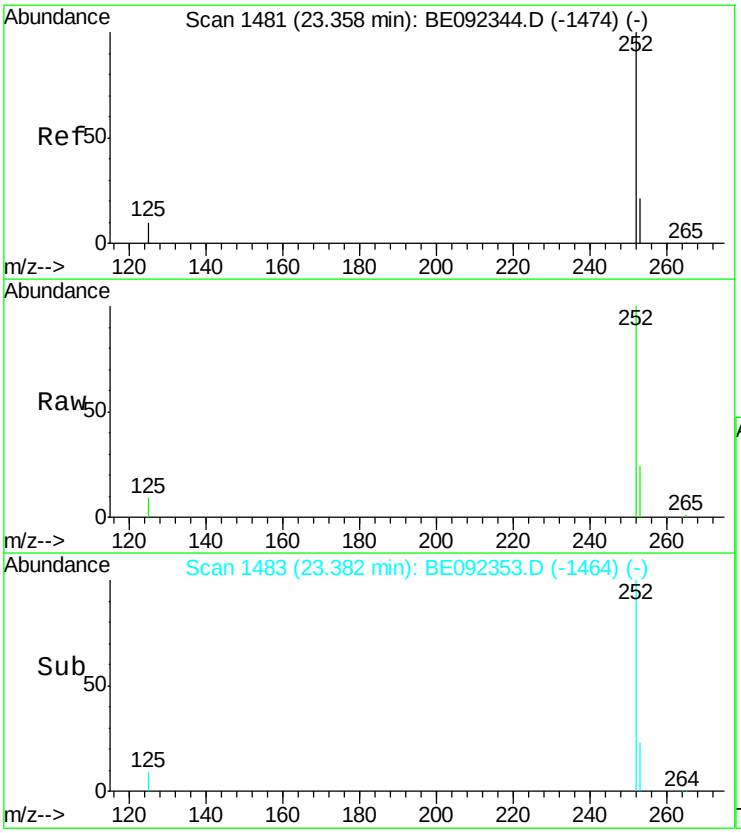
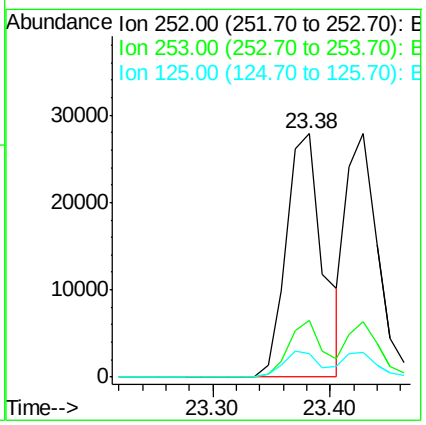


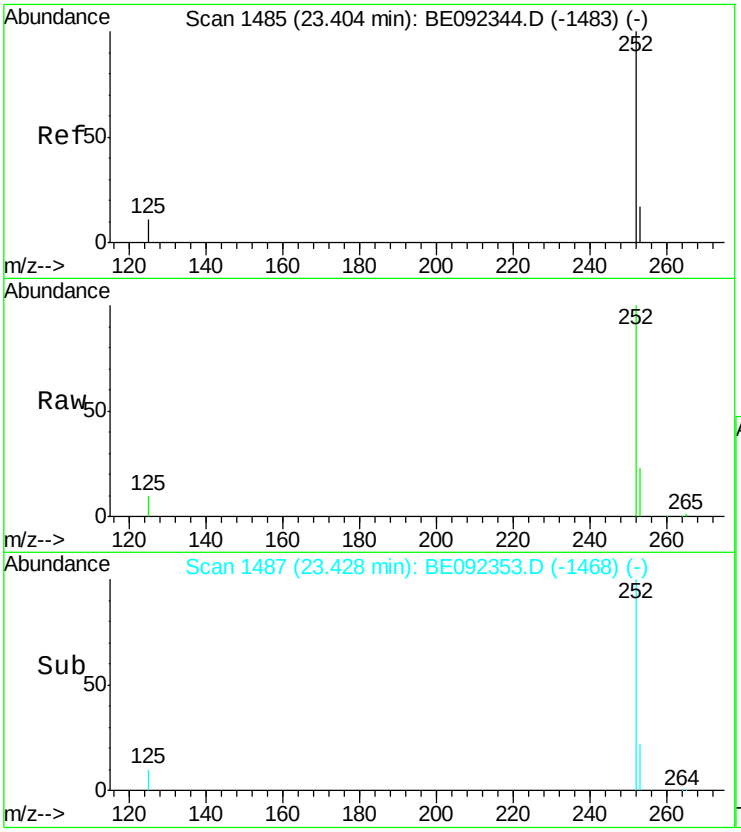


#32
Benzo(b)fluoranthene
Concen: 5.25 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:252 Resp: 60262

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.7	28.1
125	9.5	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 4.28 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:252 Resp: 51956

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.3	30.5
125	10.0	9.6	14.4

Instrument :
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ClientSampleId :
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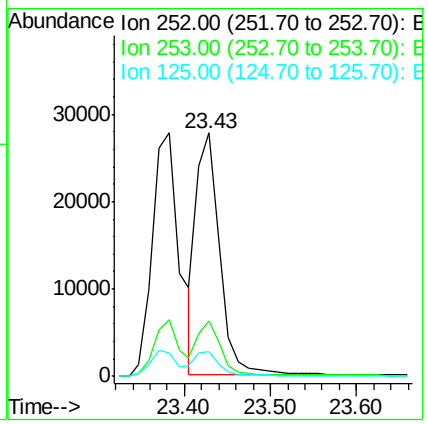
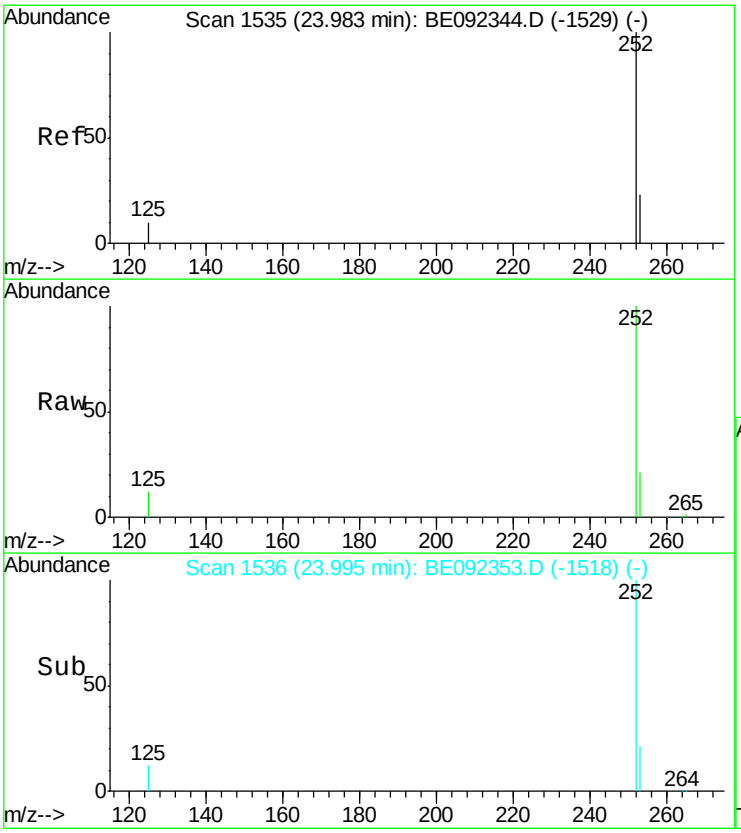
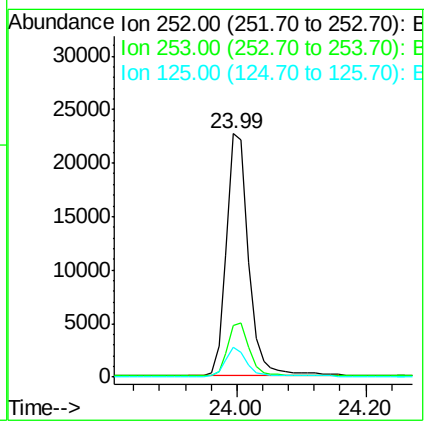


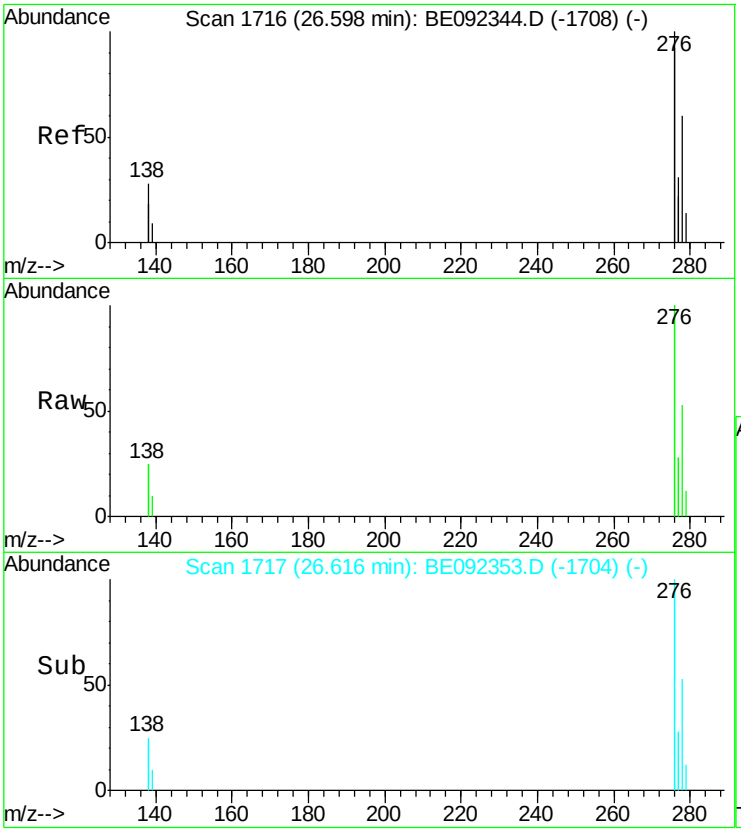


#34
Benzo(a)pyrene
Concen: 4.78 ng
RT: 23.99 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:252 Resp: 54109

Ion	Ratio	Lower	Upper
252	100		
253	21.1	19.0	28.6
125	12.1	11.8	17.8

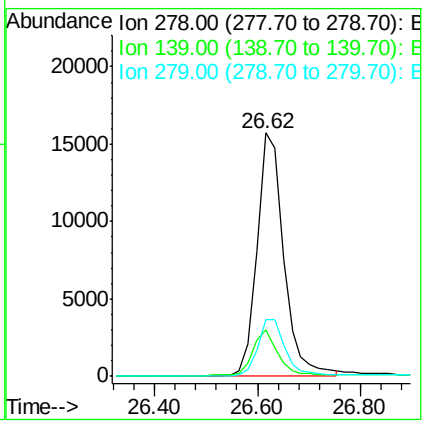




#35
Dibenzo(a,h)anthracene
Concen: 5.30 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:278 Resp: 55437

Ion	Ratio	Lower	Upper
278	100		
139	18.9	13.8	20.8
279	23.1	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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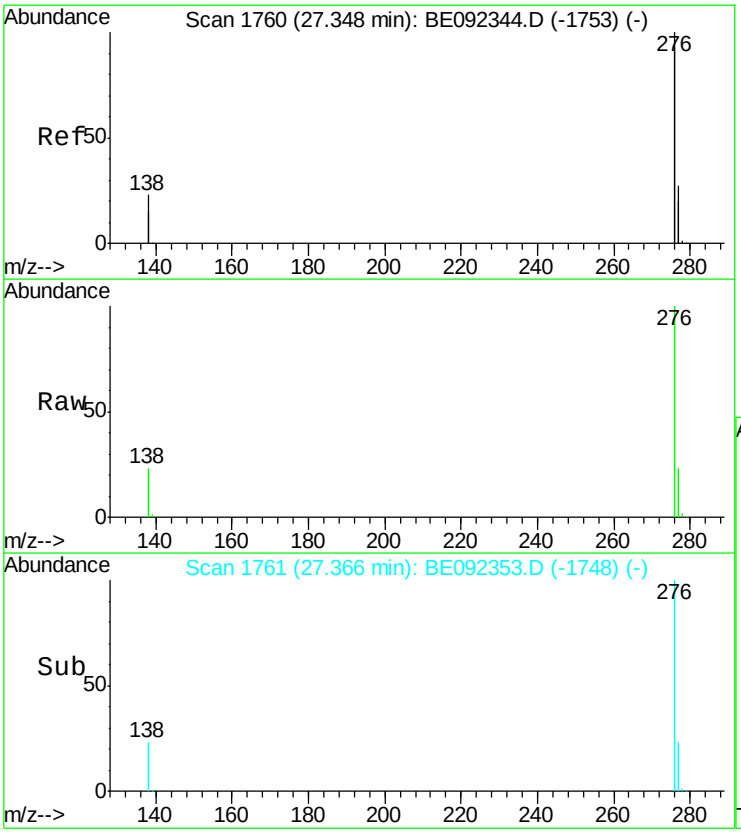

#36
Benzo(g,h,i)perylene
Concen: 5.18 ng
RT: 27.37 min Scan# 1761
Delta R.T. 0.02 min
Lab File: BE092353.D
Acq: 2 Sep 2016 21:05

Tgt Ion:276 Resp: 228617

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.8	29.8
138	23.4	19.8	29.6