Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111816\
Data File : BE092563.D
Acq On : 18 Nov 2016 12:07
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

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Quant Time: Nov 21 04:55:18 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 15:43:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	7622	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	38257	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	27501	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	65179	5.00	ng		0.00
24) Chrysene-d12	21.72	240	84748	5.00	ng		0.00
31) Perylene-d12	24.08	264	75209	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	525	0.41	ng		0.00
5) Phenol-d6	7.36	99	724	0.45	ng		0.00
8) Nitrobenzene-d5	9.36	82	825	0.41	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	253	0.41	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2646	0.39	ng		0.00
26) Terphenyl-d14	20.17	244	3934	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	469	0.42	ng		97
3) n-Nitrosodimethylamine	3.78	42	386	0.47	ng	#	97
6) bis(2-Chloroethyl)ether	7.59	93	771	0.37	ng	#	81
9) Naphthalene	10.97	128	3132	0.40	ng	#	96
10) Hexachlorobutadiene	11.26	225	484	0.40	ng		99
11) 2-Methylnaphthalene	12.62	142	1985	0.39	ng		98
15) Acenaphthylene	14.51	152	14968	0.39	ng		99
16) Acenaphthene	14.87	154	2490	0.40	ng		97
17) Fluorene	15.86	166	3100	0.40	ng		99
19) Hexachlorobenzene	16.86	284	926m	0.36	ng		
20) Pentachlorophenol	17.23	266	176	0.44	ng		94
21) Phenanthrene	17.60	178	5588	0.38	ng	#	74
22) Anthracene	17.69	178	5294	0.39	ng		99
23) Fluoranthene	19.59	202	26099	0.38	ng		99
25) Pyrene	19.95	202	27500	0.41	ng		99
27) Benzo(a)anthracene	21.70	228	31512m	0.49	ng		
28) Chrysene	21.75	228	32962m	0.46	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	2004	0.48	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.56	276	31105	0.44	ng		97
32) Benzo(b)fluoranthene	23.35	252	7696	0.42	ng		99
33) Benzo(k)fluoranthene	23.41	252	6816	0.36	ng		99
34) Benzo(a)pyrene	23.97	252	6496	0.38	ng		99
35) Dibenzo(a,h)anthracene	26.58	278	6303	0.38	ng	#	94
36) Benzo(g,h,i)perylene	27.33	276	26861	0.38	ng		98

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

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Instrument :
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ClientSampleId :
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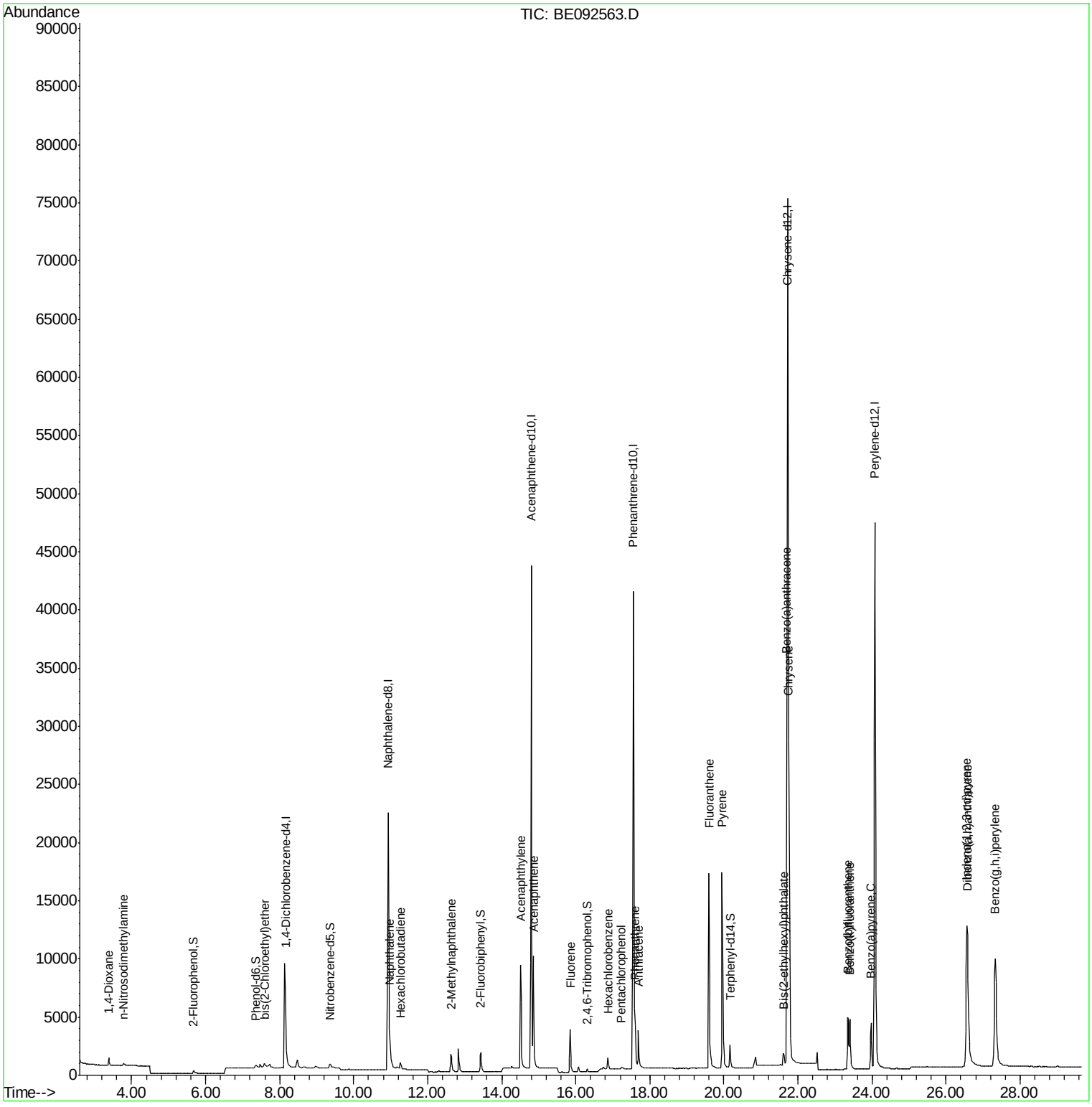
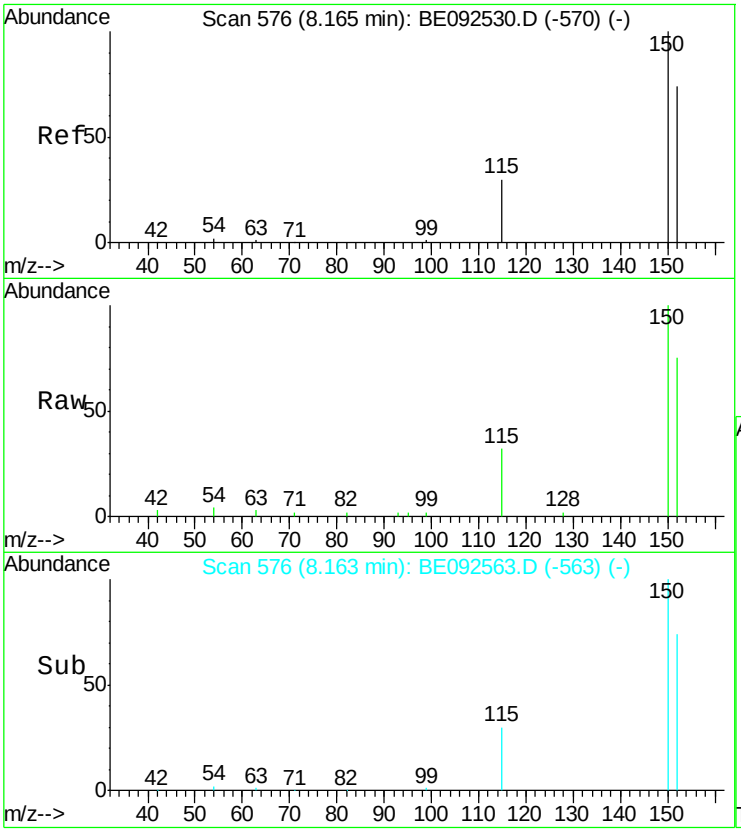
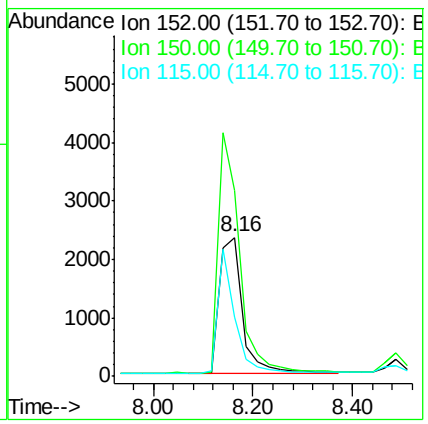




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:152 Resp: 7622

Ion	Ratio	Lower	Upper
152	100		
150	134.2	106.0	159.0
115	42.4	31.2	46.8



Instrument :
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ClientSampleId :
SSTDCCC0.4

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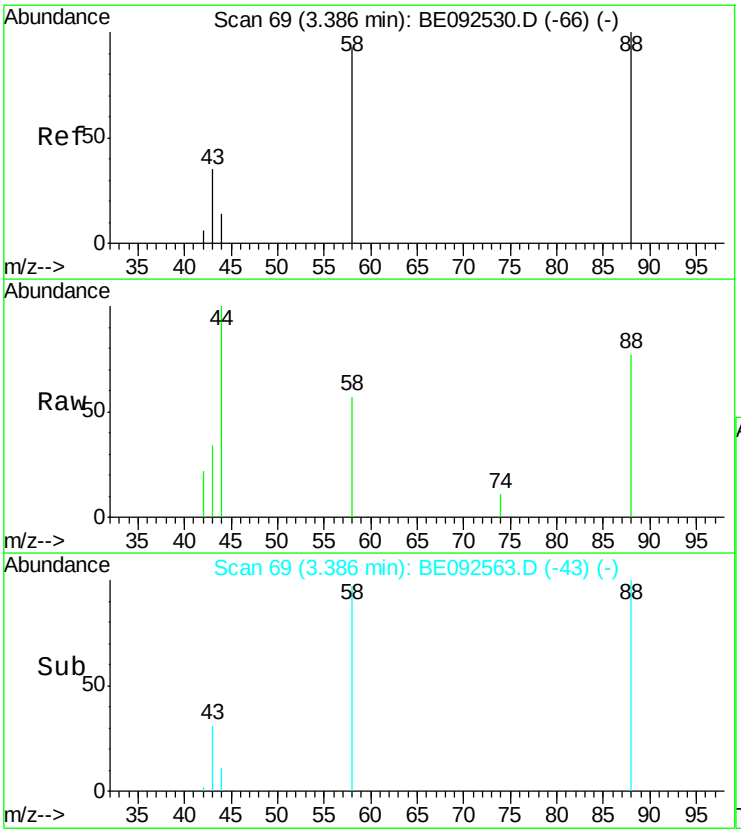
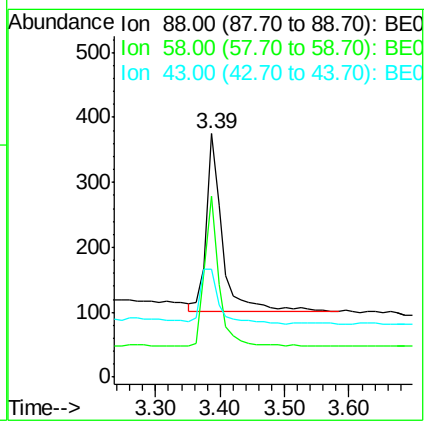
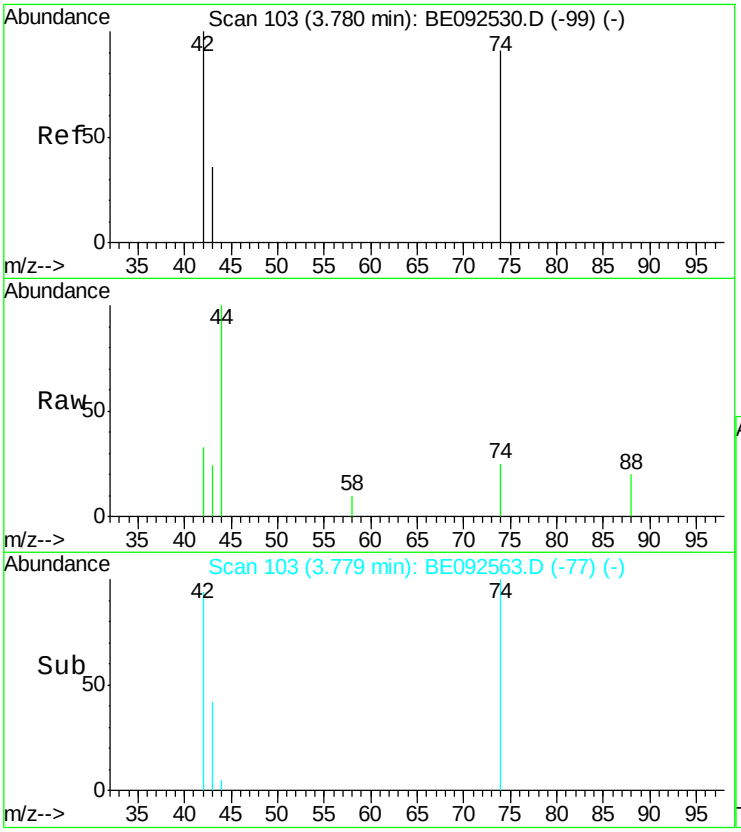


#2
1,4-Dioxane
Concen: 0.42 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion: 88 Resp: 469

Ion	Ratio	Lower	Upper
88	100		
58	76.5	63.6	95.4
43	36.2	28.0	42.0

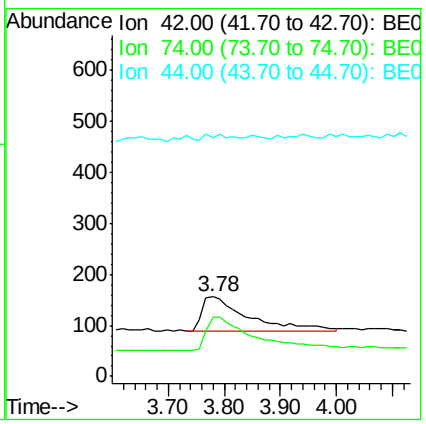




#3
n-Nitrosodimethylamine
Concen: 0.47 ng
RT: 3.78 min Scan# 103
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion: 42 Resp: 386

Ion	Ratio	Lower	Upper
42	100		
74	104.1	86.0	129.0
44	7.8	5.1	7.7#



Instrument :
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ClientSampleId :
SSTDCCC0.4

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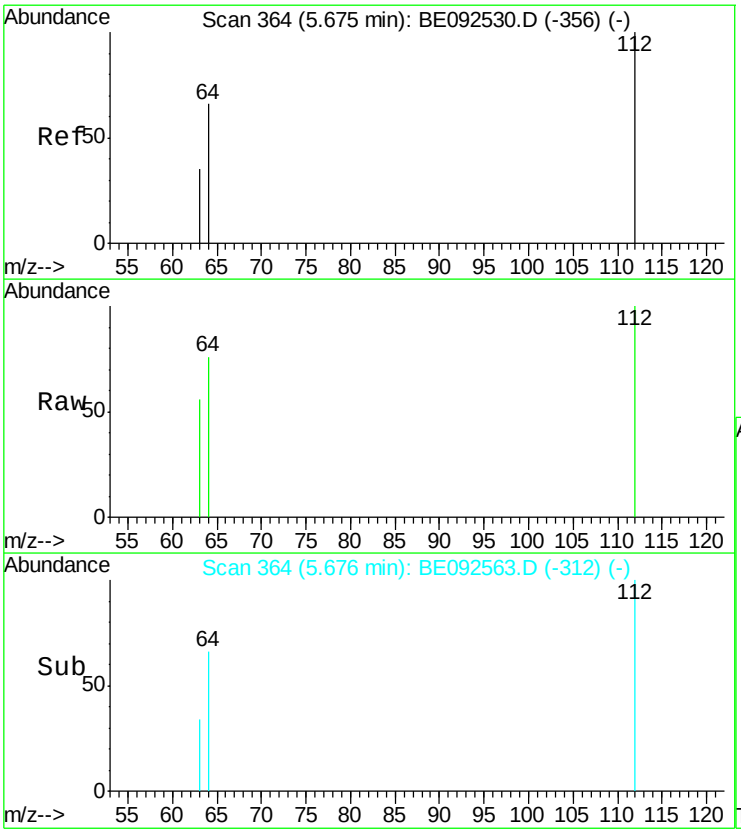
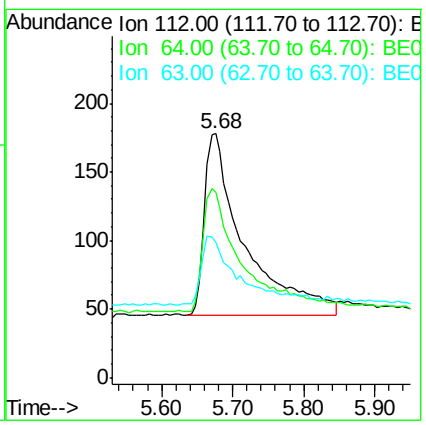
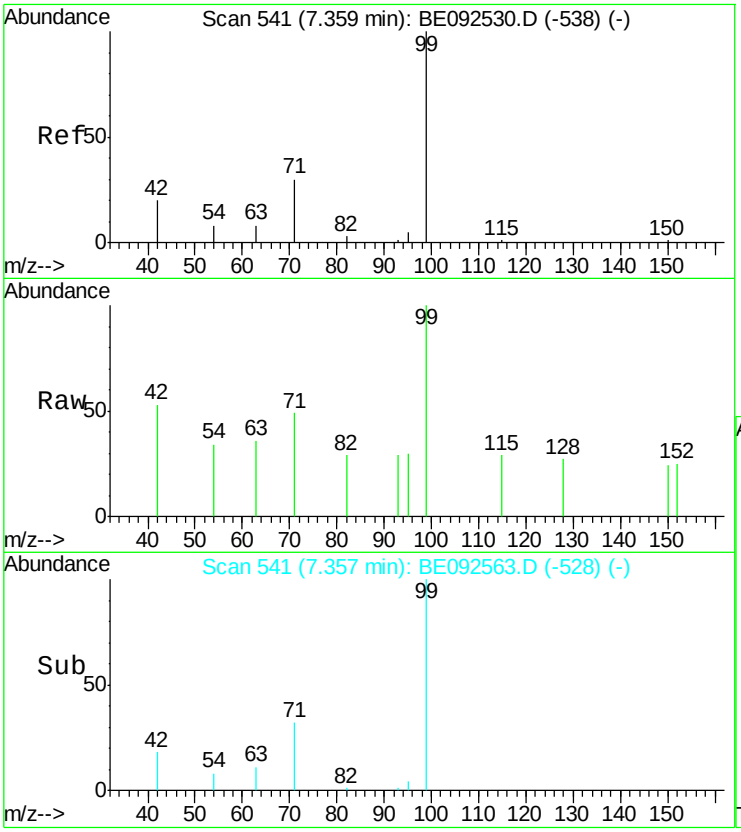


#4
2-Fluorophenol
Concen: 0.41 ng
RT: 5.68 min Scan# 364
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:112 Resp: 525

Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.5	80.3
63	36.4	27.9	41.9

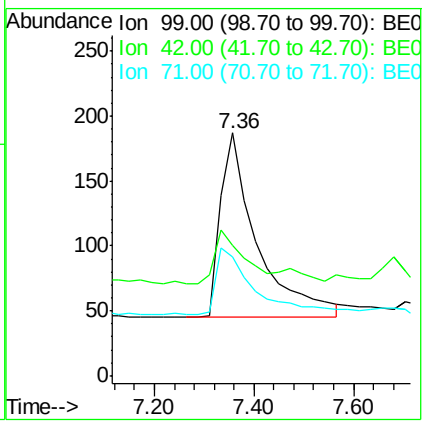




#5
Phenol-d6
Concen: 0.45 ng
RT: 7.36 min Scan# 541
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion: 99 Resp: 724

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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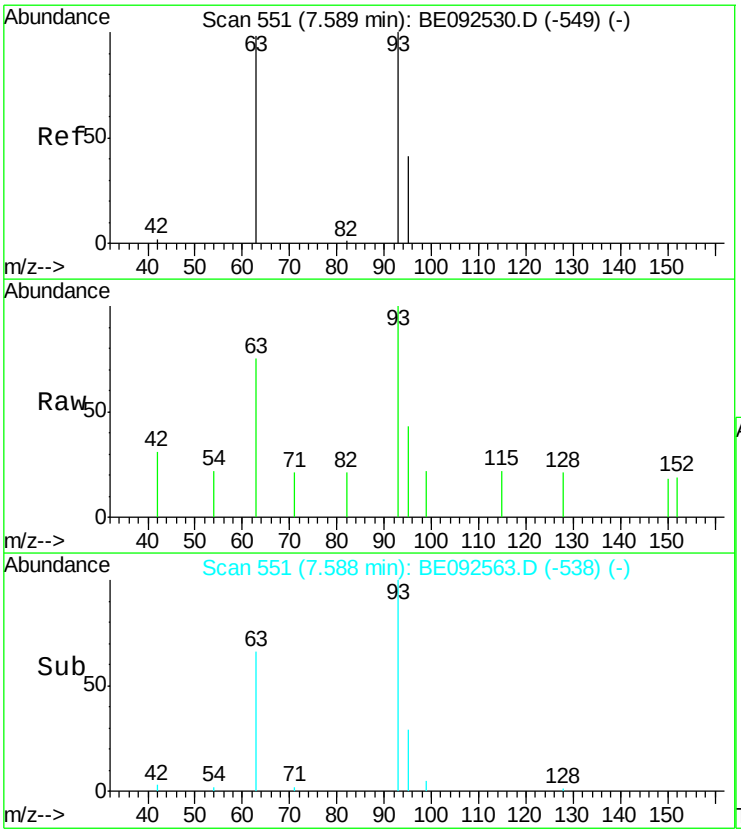
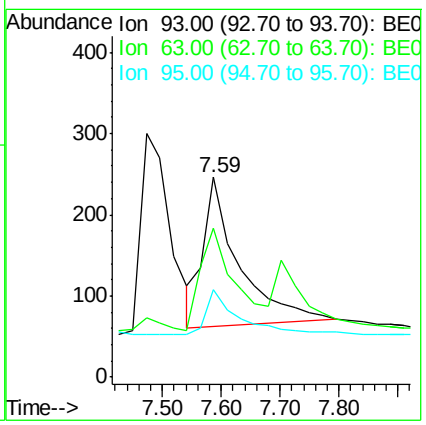
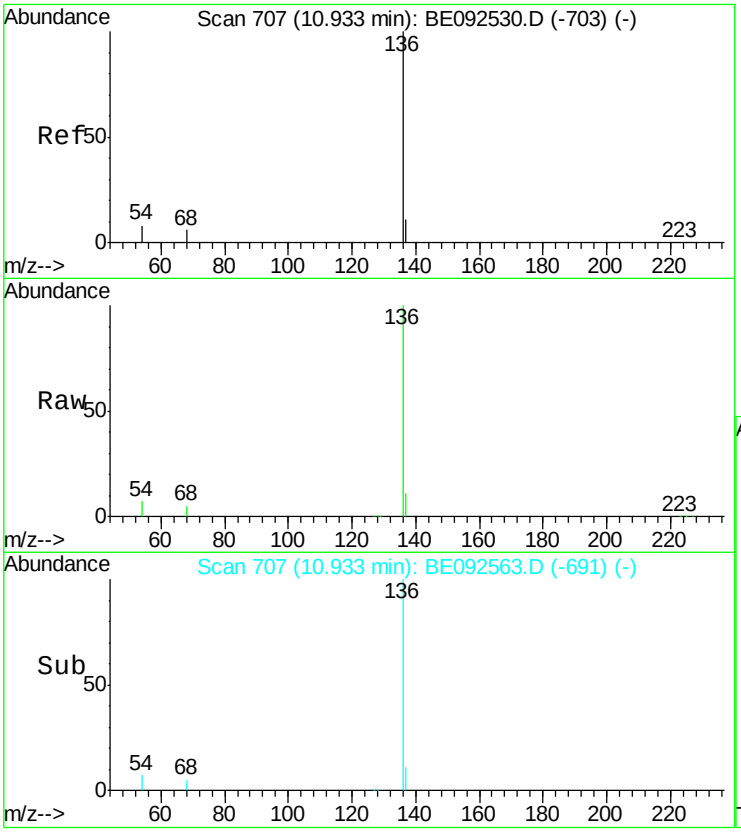


#6
bis(2-Chloroethyl)ether
Concen: 0.37 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion: 93 Resp: 771

Ion	Ratio	Lower	Upper
93	100		
63	66.5	71.6	107.4#
95	28.0	24.0	36.0

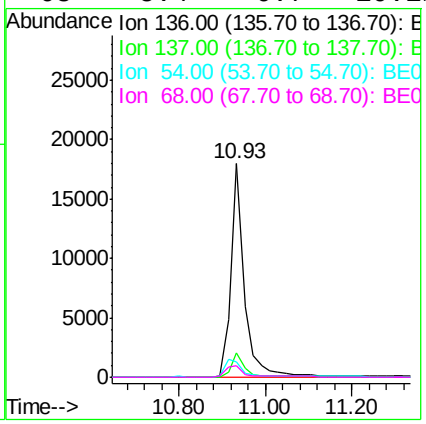




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:136 Resp: 38257

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	7.4	9.6	14.4#
68	5.4	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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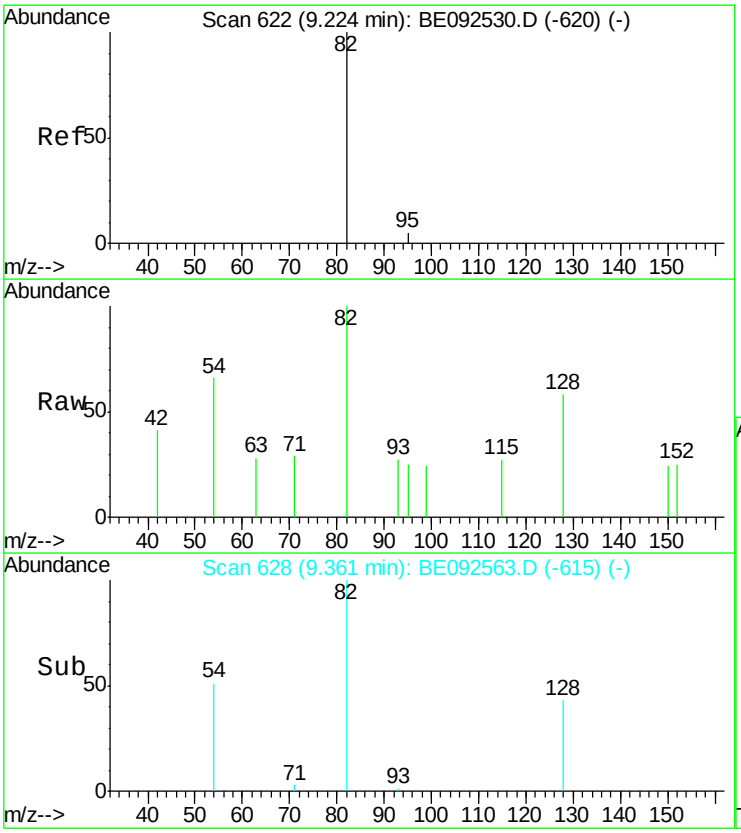
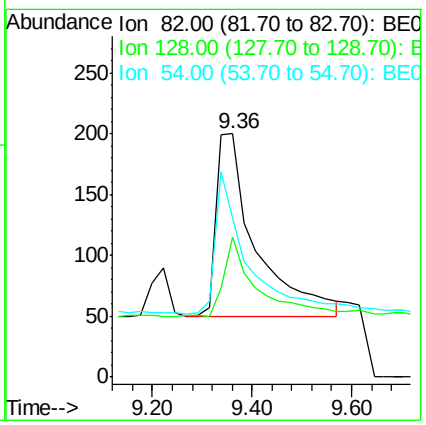
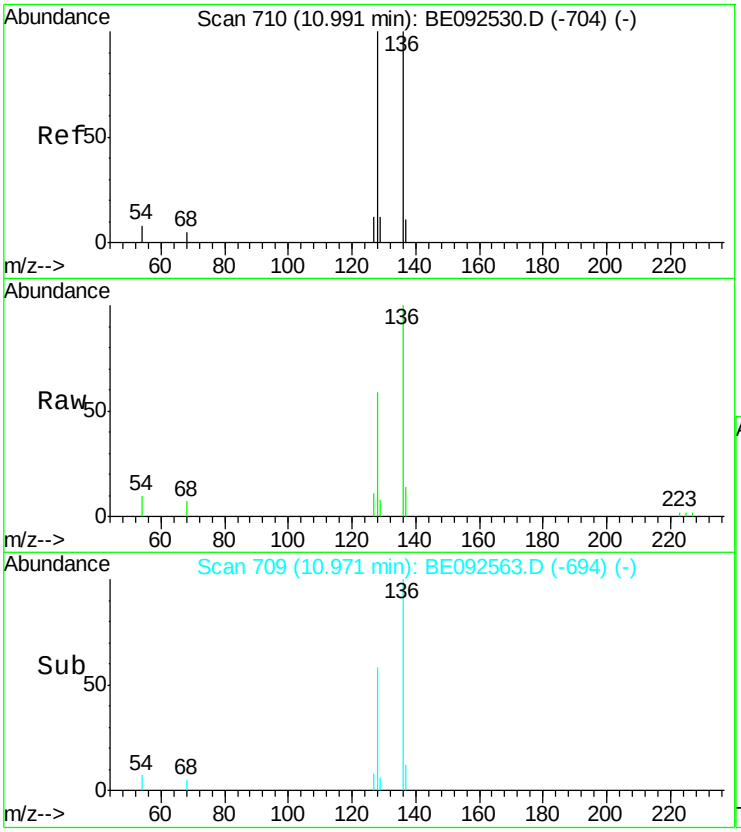


#8
Nitrobenzene-d5
Concen: 0.41 ng
RT: 9.36 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion: 82 Resp: 825

Ion	Ratio	Lower	Upper
82	100		
128	57.5	39.0	58.4
54	65.5	44.8	67.2

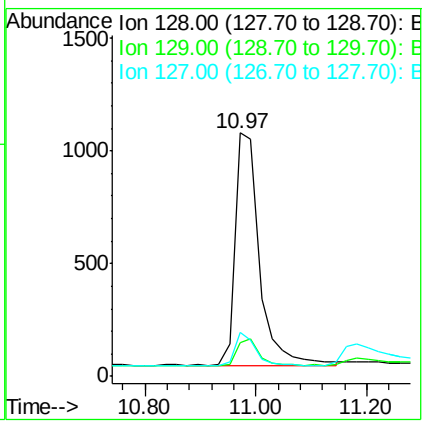




#9
Naphthalene
Concen: 0.40 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:128 Resp: 3132

Ion	Ratio	Lower	Upper
128	100		
129	14.1	11.2	16.8
127	17.9	11.6	17.4#



Instrument :
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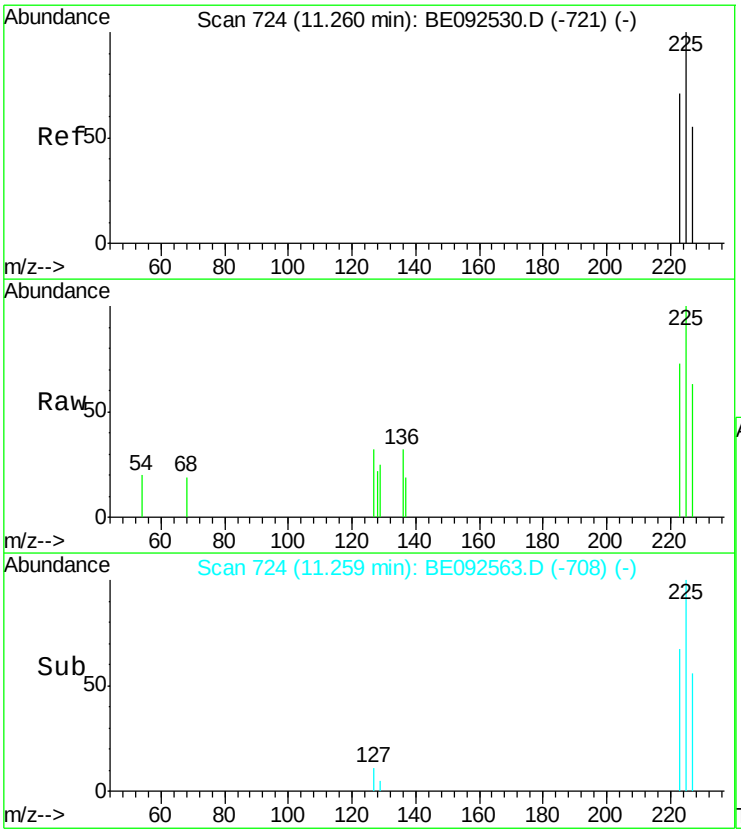
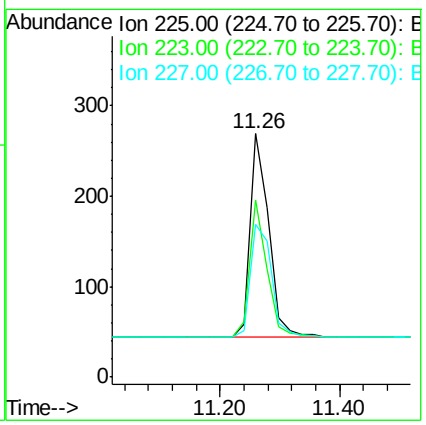
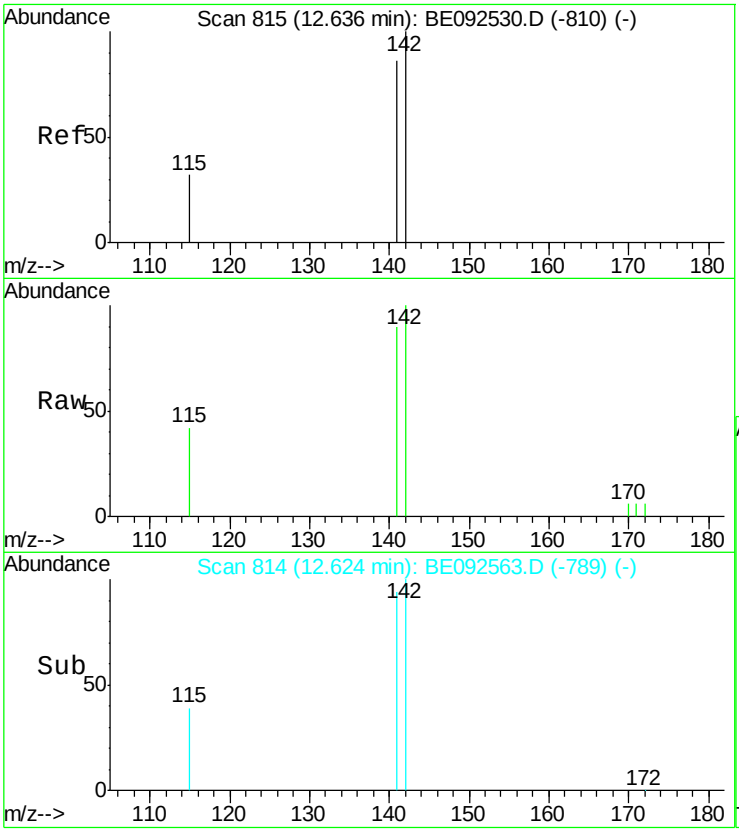


#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:225 Resp: 484

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.6	76.0
227	63.6	51.4	77.0

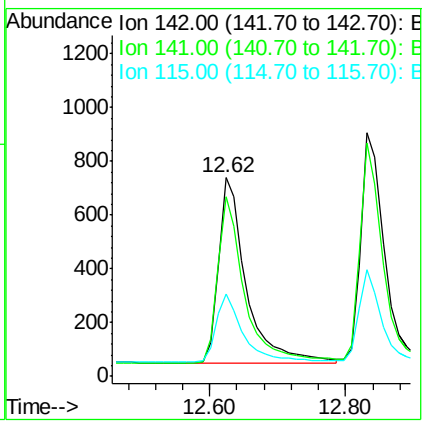




#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:142 Resp: 1985

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.7	110.5
115	41.6	34.0	51.0



Instrument :
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ClientSampleId :
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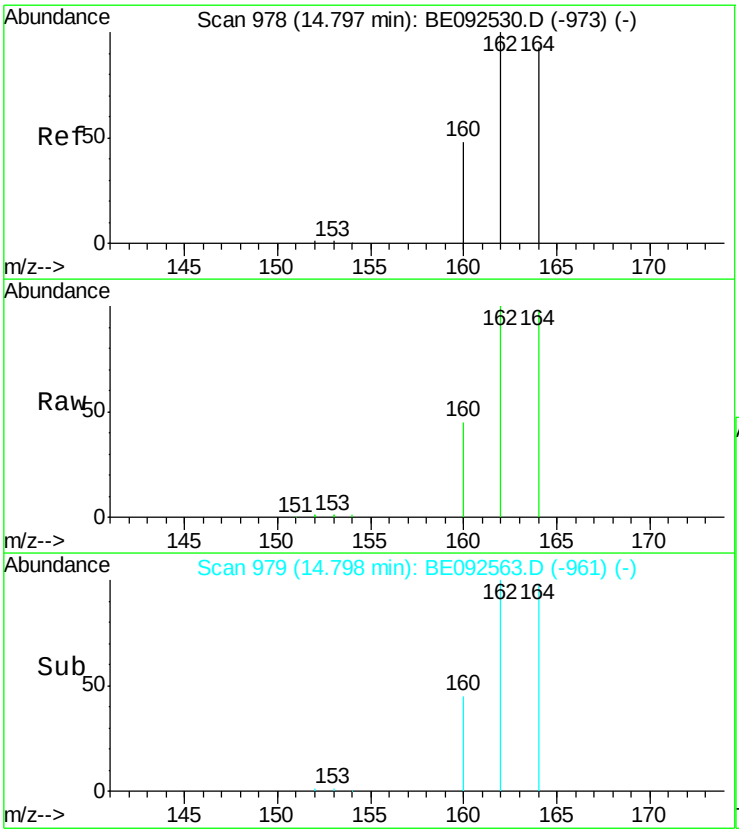
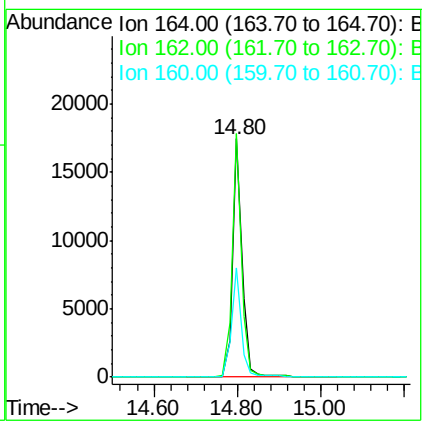
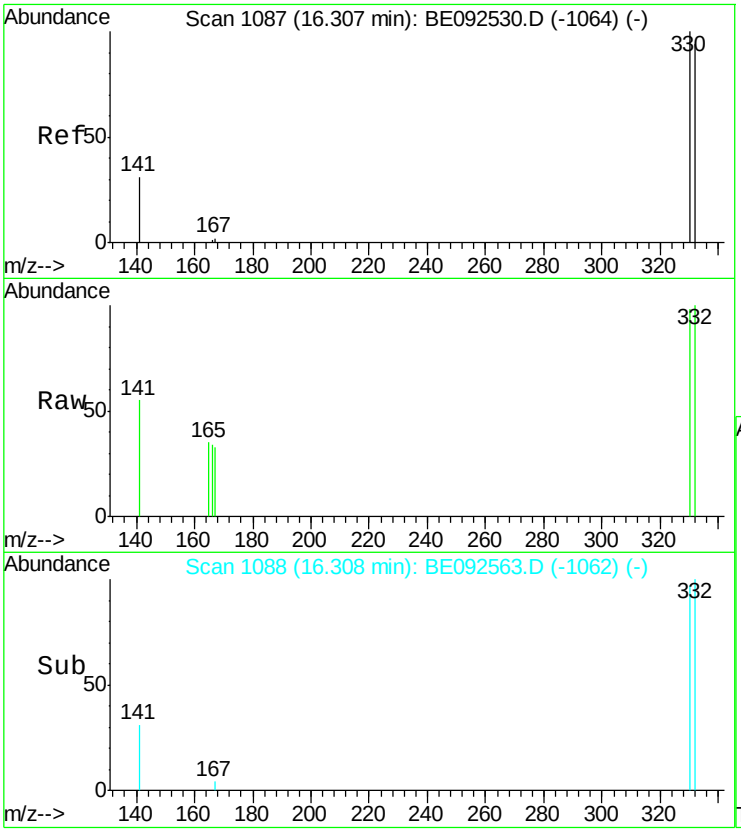


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:164 Resp: 27501

Ion	Ratio	Lower	Upper
164	100		
162	102.1	71.4	107.0
160	45.8	27.4	41.2#

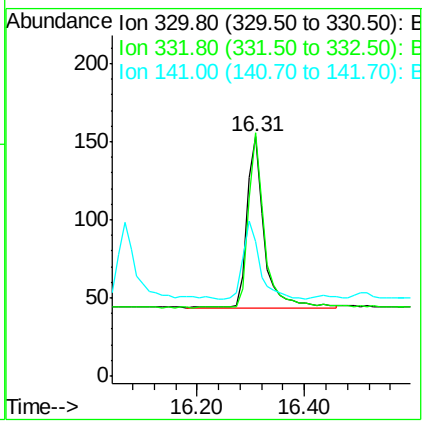




#13
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:330 Resp: 253

Ion	Ratio	Lower	Upper
330	100		
332	98.4	75.4	113.0
141	42.7	31.0	46.6



Instrument :
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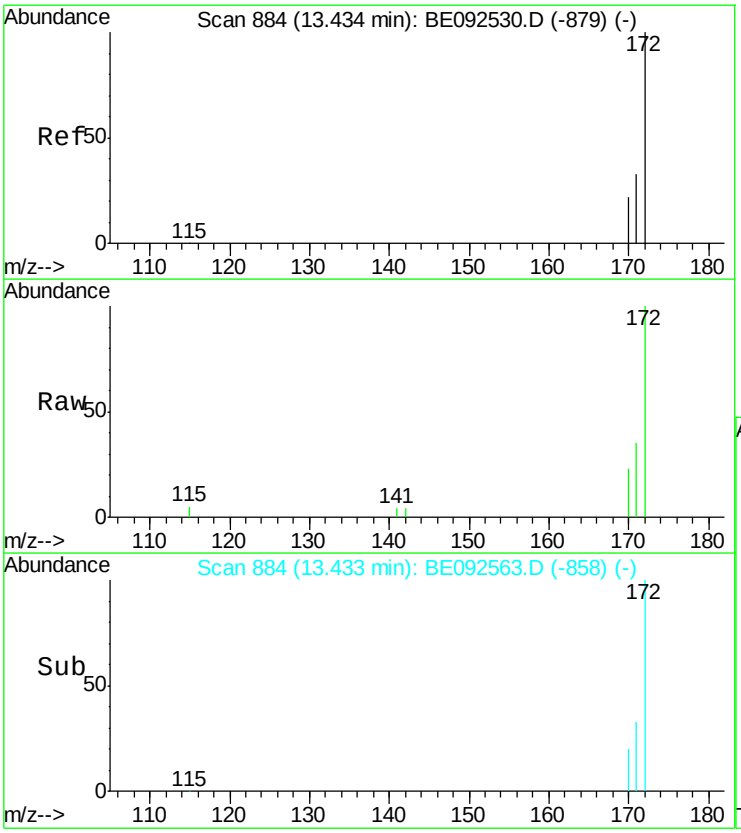
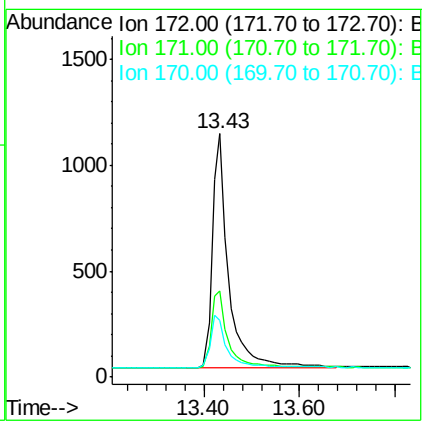
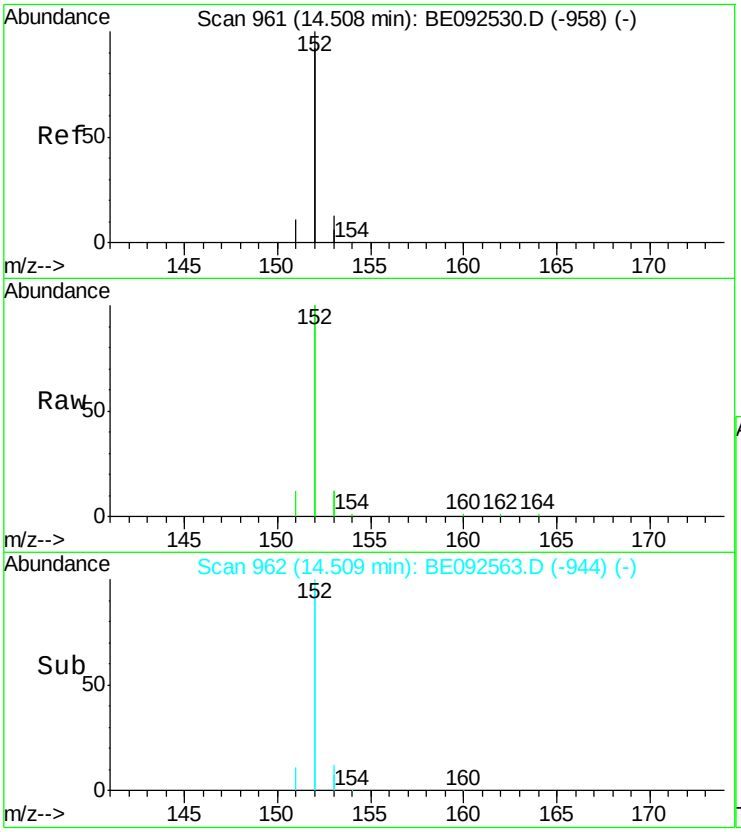


#14
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:172 Resp: 2646

Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.1	45.1
170	23.4	21.8	32.6

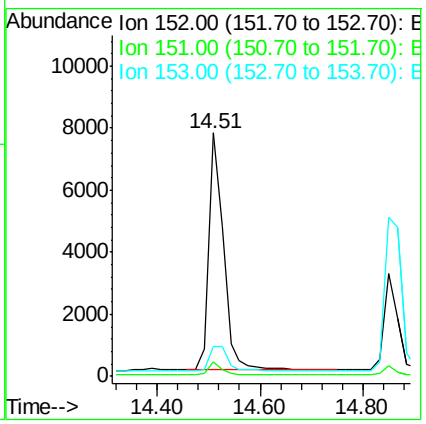




#15
Acenaphthylene
Concen: 0.39 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:152 Resp: 14968

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.7	10.4	15.6



Instrument :
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SSTDCCC0.4

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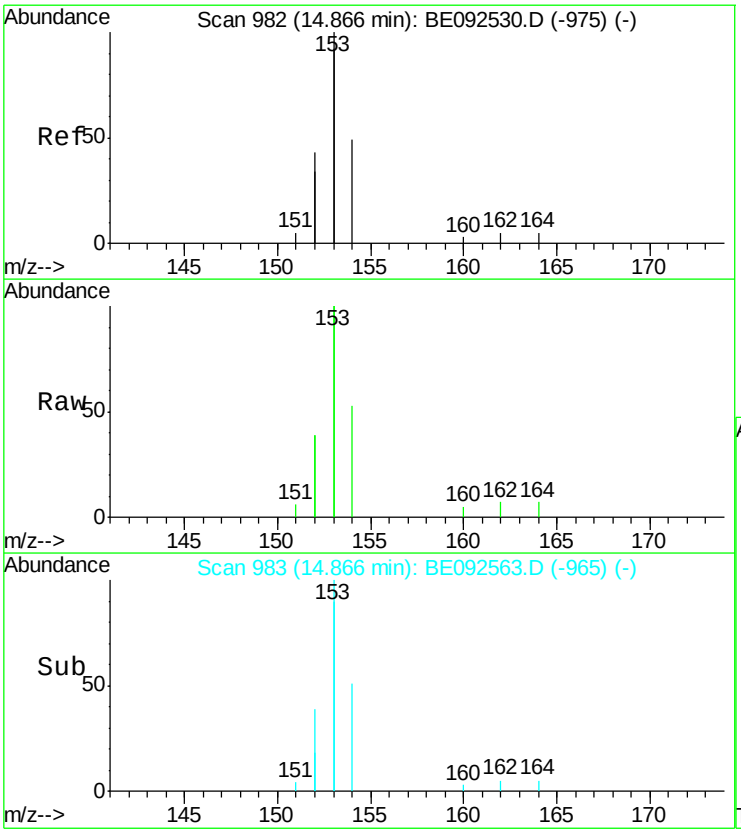
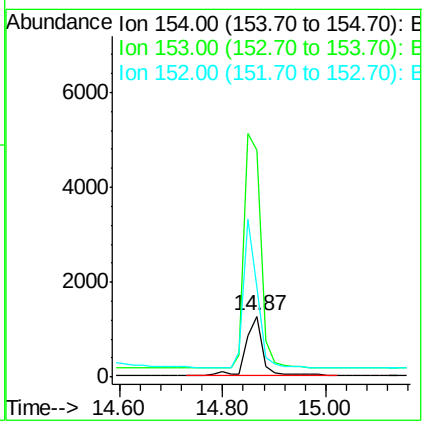
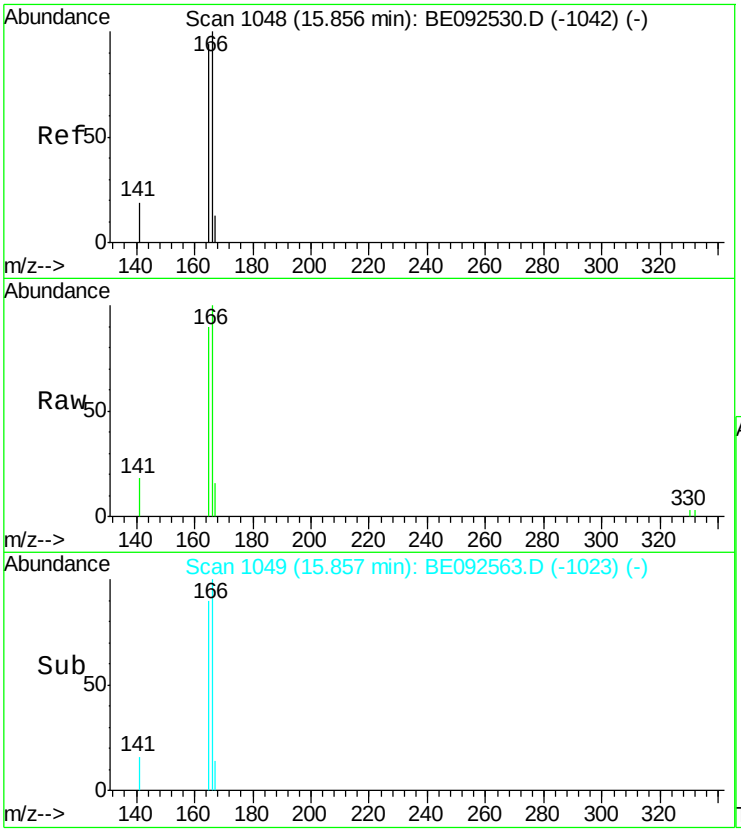


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:154 Resp: 2490

Ion	Ratio	Lower	Upper
154	100		
153	439.3	350.8	526.2
152	227.7	171.1	256.7





#17
Fluorene
Concen: 0.40 ng
RT: 15.86 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:166 Resp: 3100

Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.2	117.4
167	13.4	11.0	16.4

Instrument :
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ClientSampleId :
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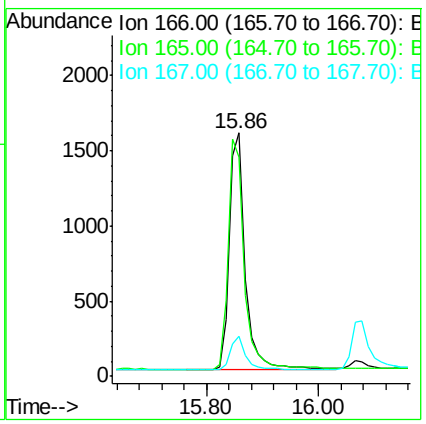
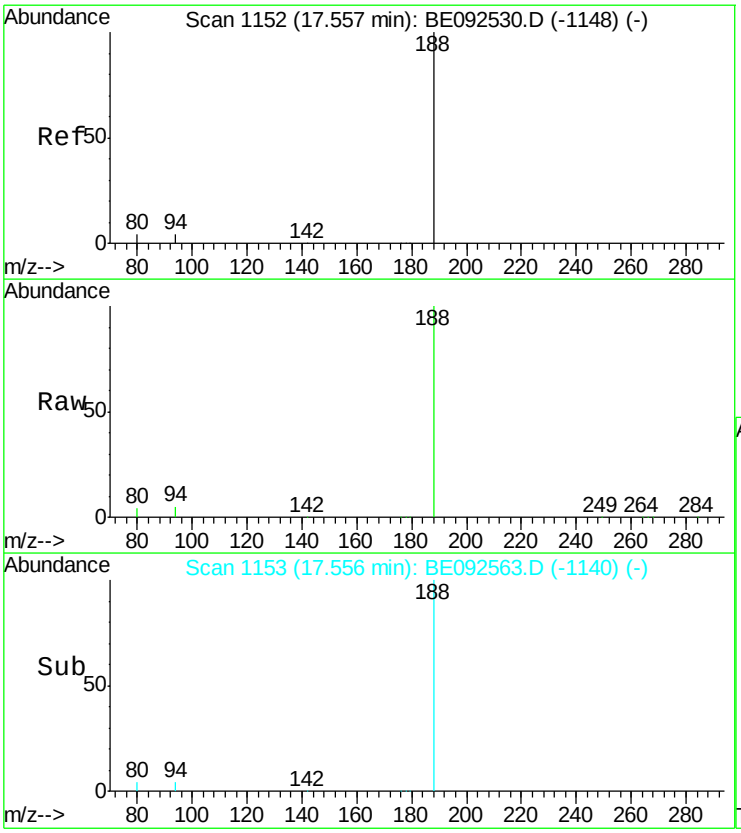
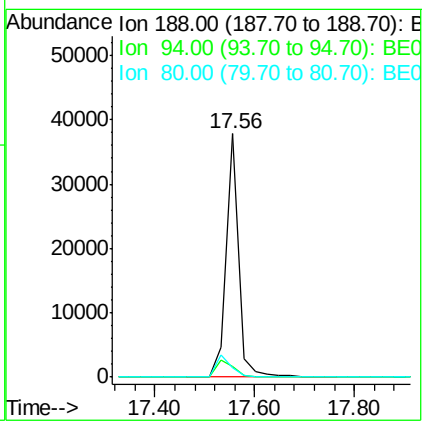


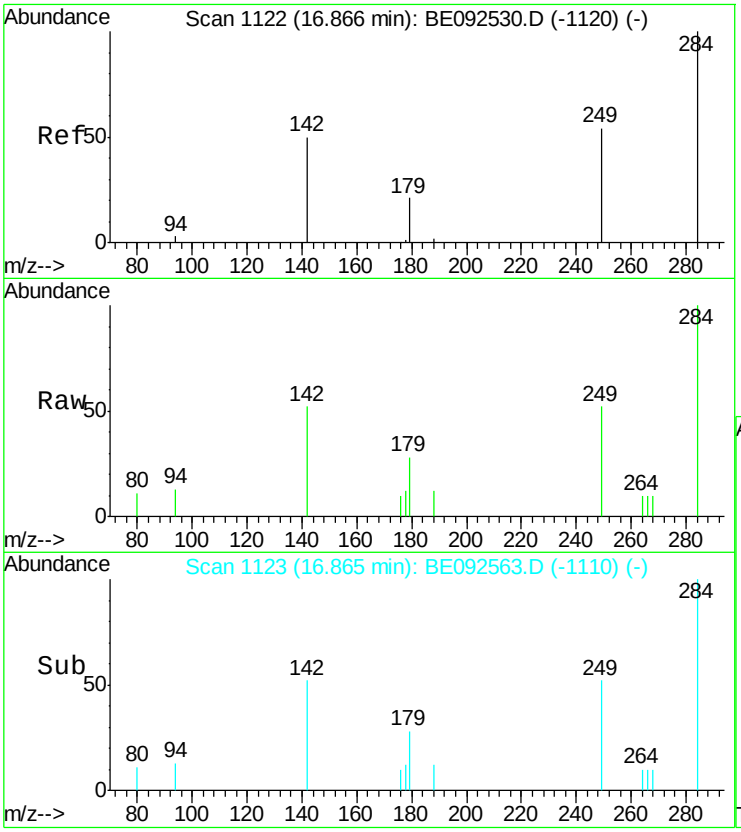


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:188 Resp: 65179

Ion	Ratio	Lower	Upper
188	100		
94	4.5	3.2	4.8
80	4.0	2.6	3.8#

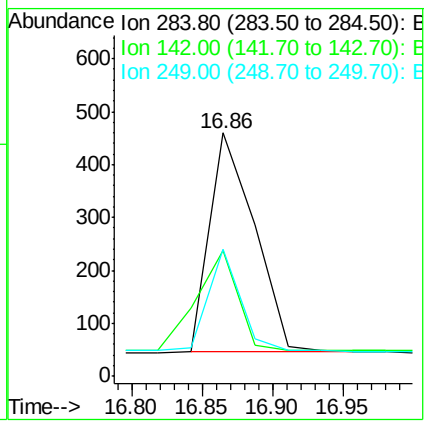




#19
Hexachlorobenzene
Concen: 0.36 ng m
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:284 Resp: 926

Ion	Ratio	Lower	Upper
284	100		
142	54.2	29.1	43.7#
249	54.6	27.9	41.9#



Instrument :
BNA_E
ClientSampleId :
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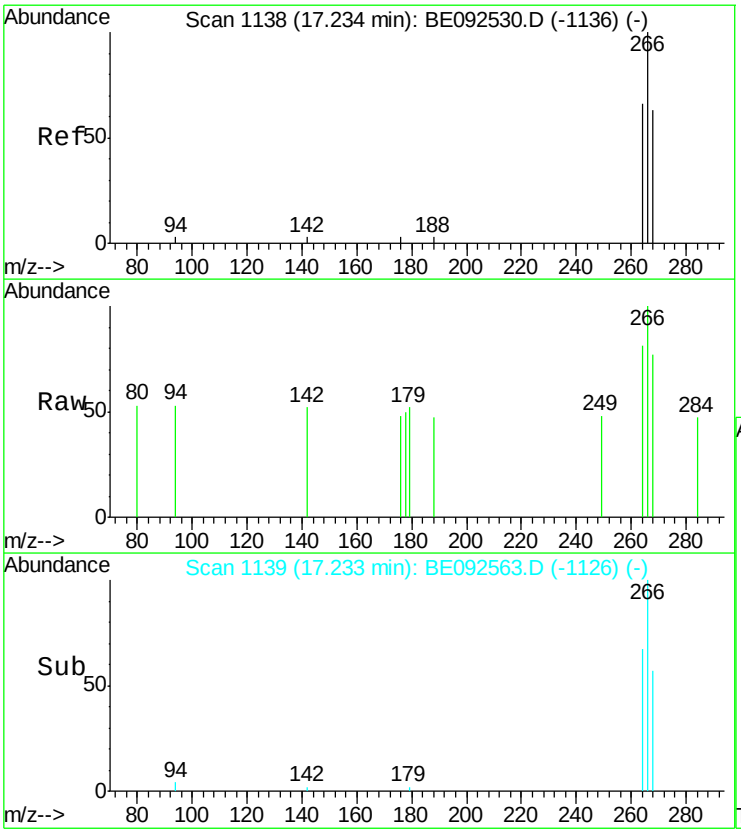
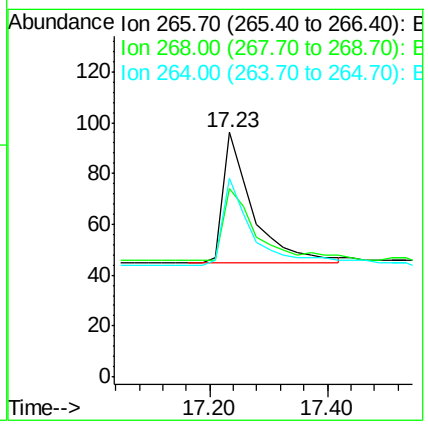
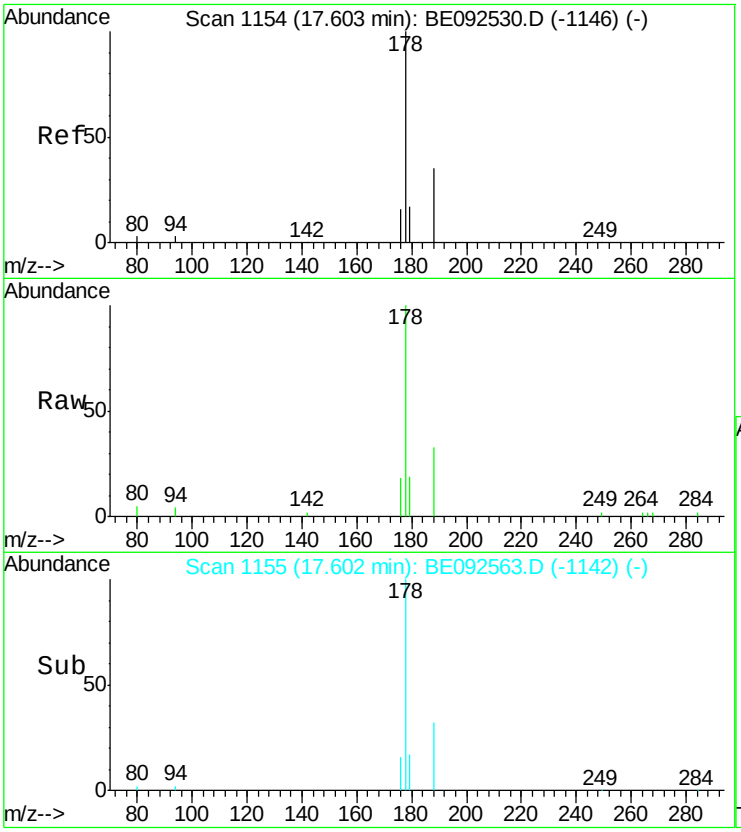


#20
Pentachlorophenol
Concen: 0.44 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:266 Resp: 176

Ion	Ratio	Lower	Upper
266	100		
268	77.1	62.5	93.7
264	81.3	57.2	85.8

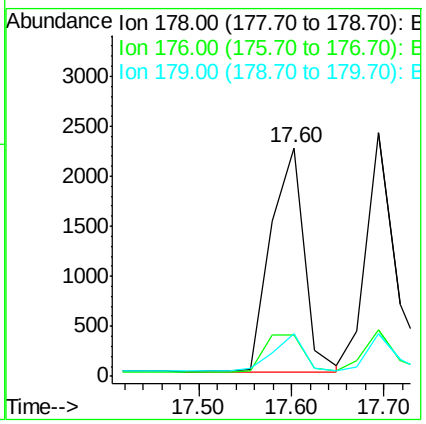




#21
Phenanthrene
Concen: 0.38 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:178 Resp: 5588

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	15.9	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
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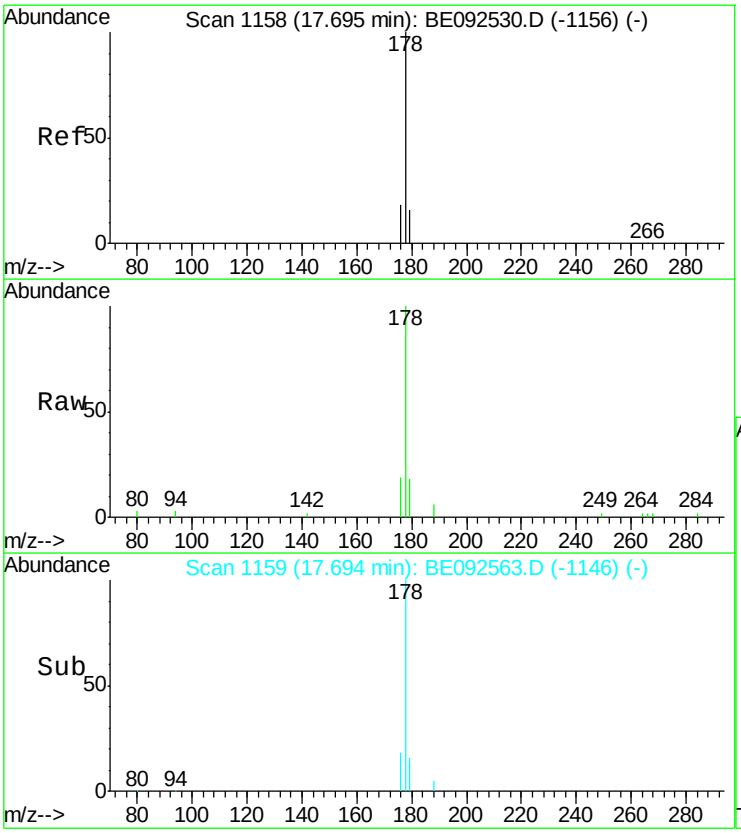
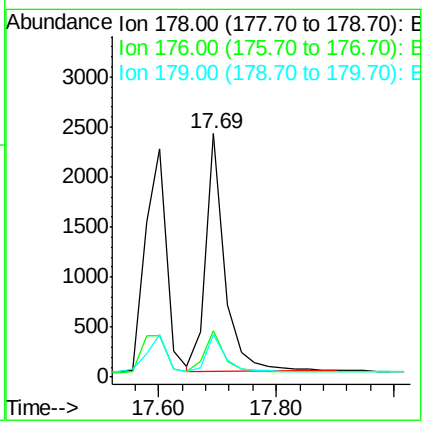
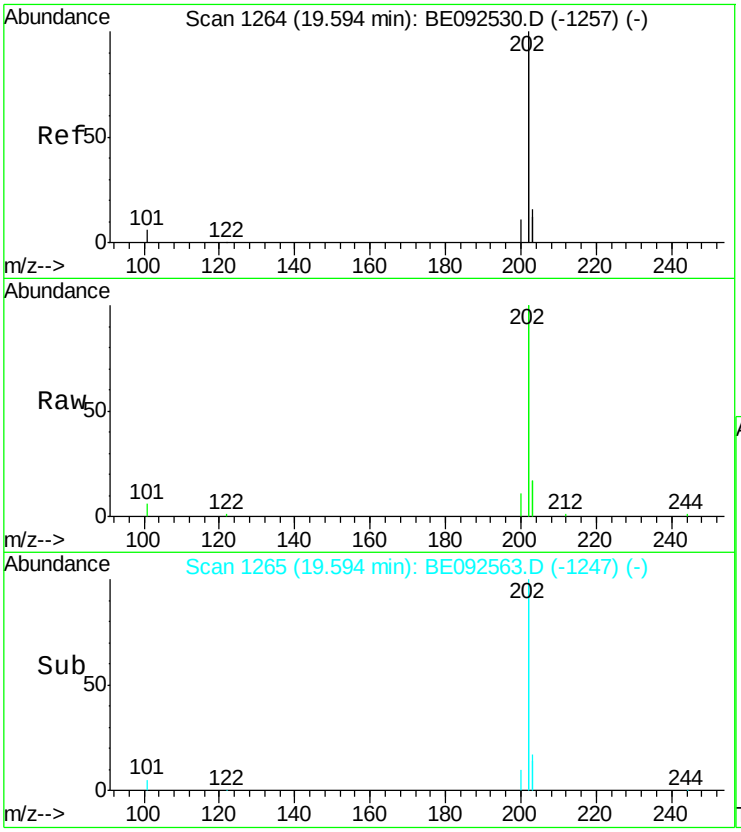


#22
Anthracene
Concen: 0.39 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:178 Resp: 5294

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.6	12.2	18.2

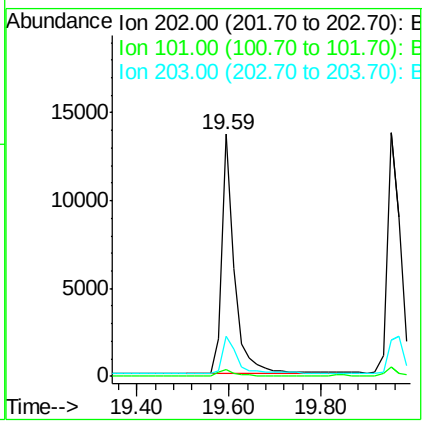




#23
Fluoranthene
Concen: 0.38 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:202 Resp: 26099

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.6	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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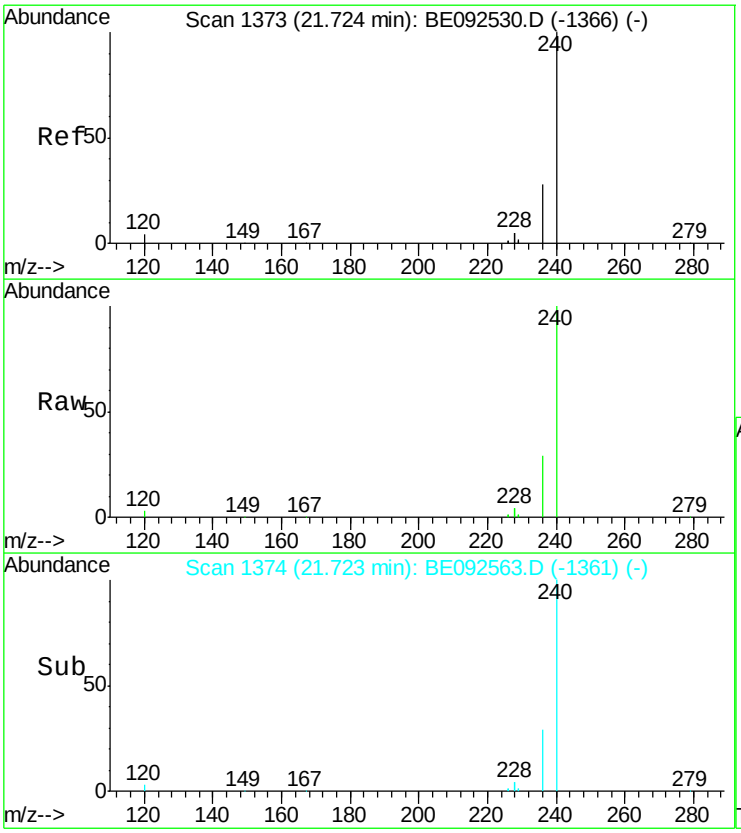
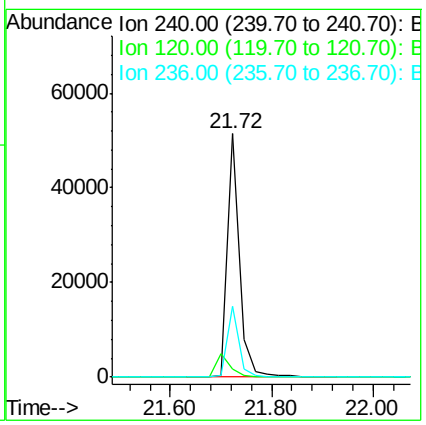
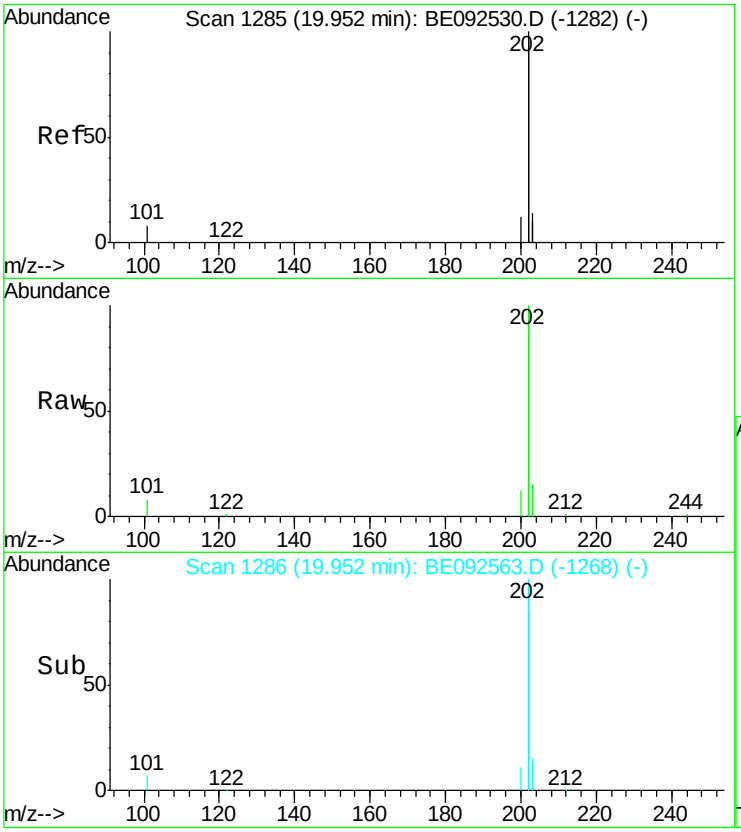


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:240 Resp: 84748

Ion	Ratio	Lower	Upper
240	100		
120	3.5	2.6	4.0
236	29.0	24.6	37.0





#25
Pyrene
Concen: 0.41 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:202 Resp: 27500

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.8	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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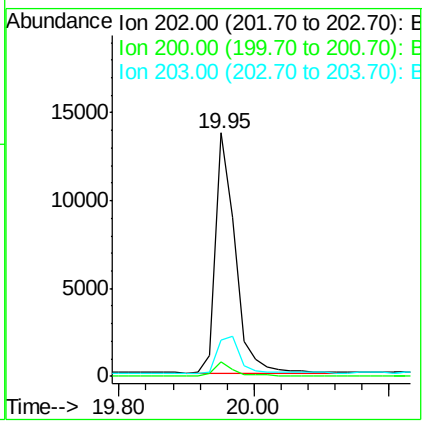
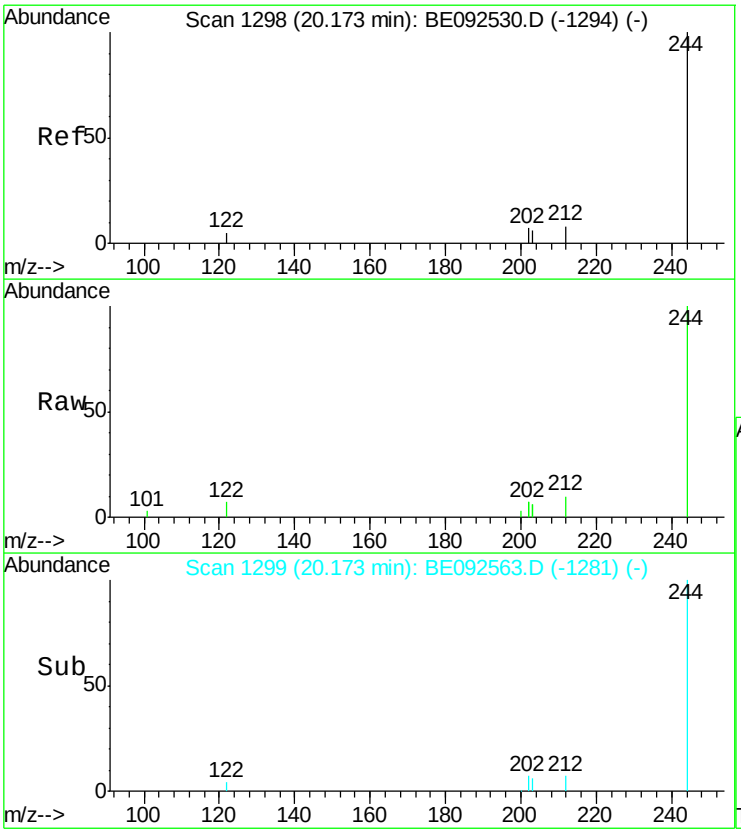
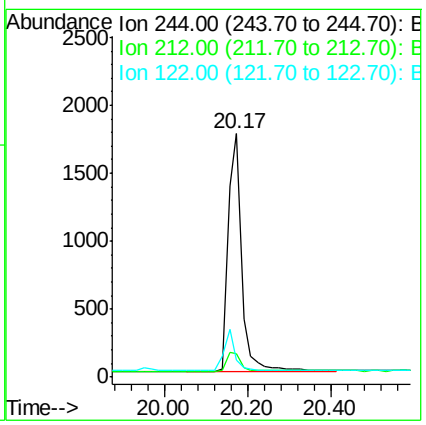


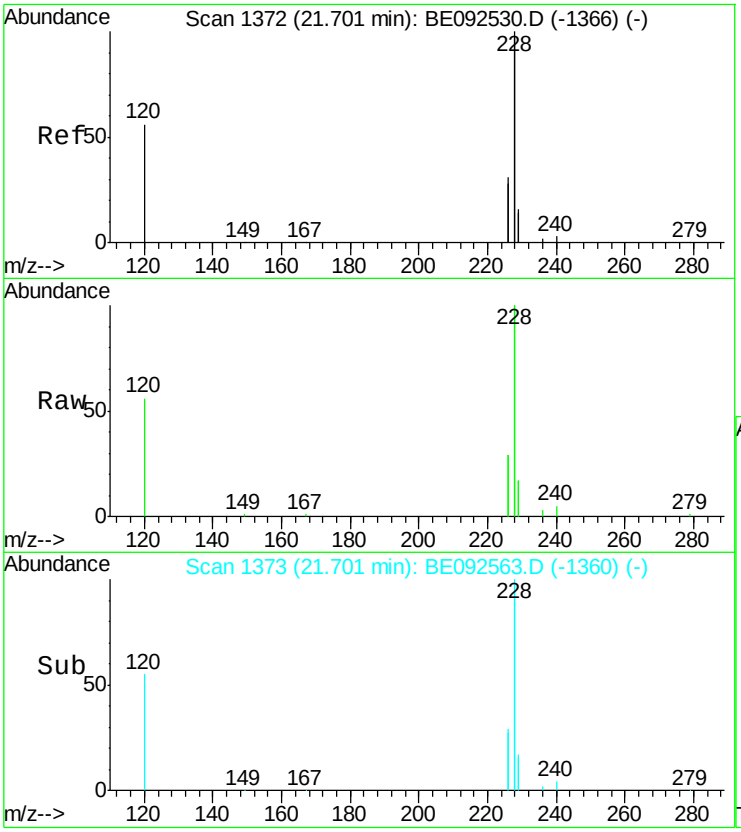


#26
Terphenyl-d14
Concen: 0.41 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:244 Resp: 3934

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.7	10.1
122	6.9	3.6	5.4#

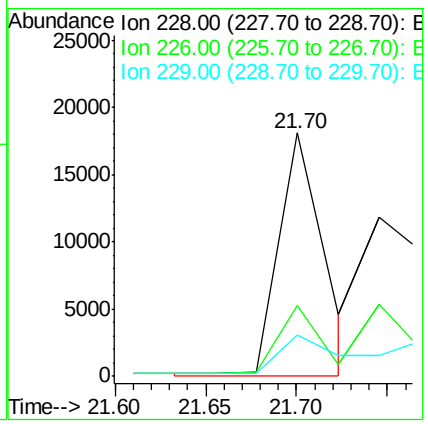




#27
Benzo(a)anthracene
Concen: 0.49 ng m
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:228 Resp: 31512

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.6	35.4
229	16.9	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
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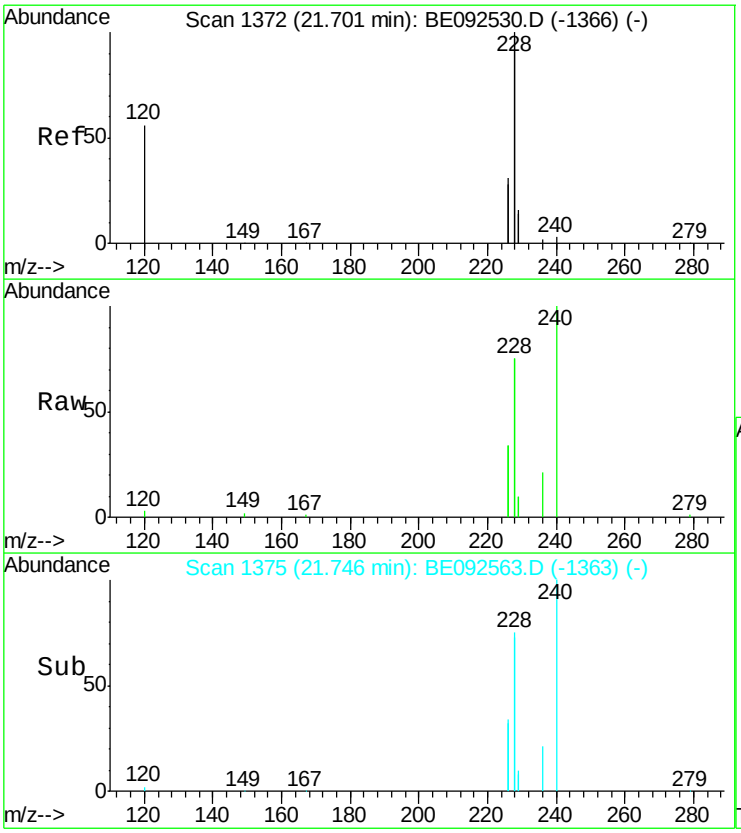
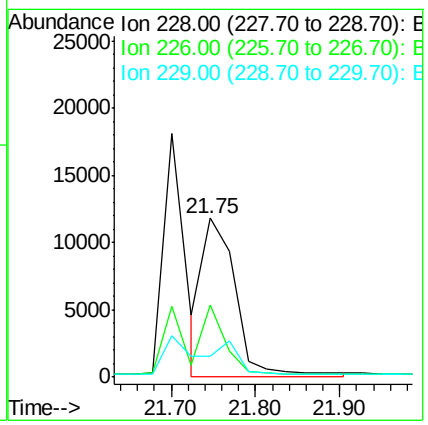
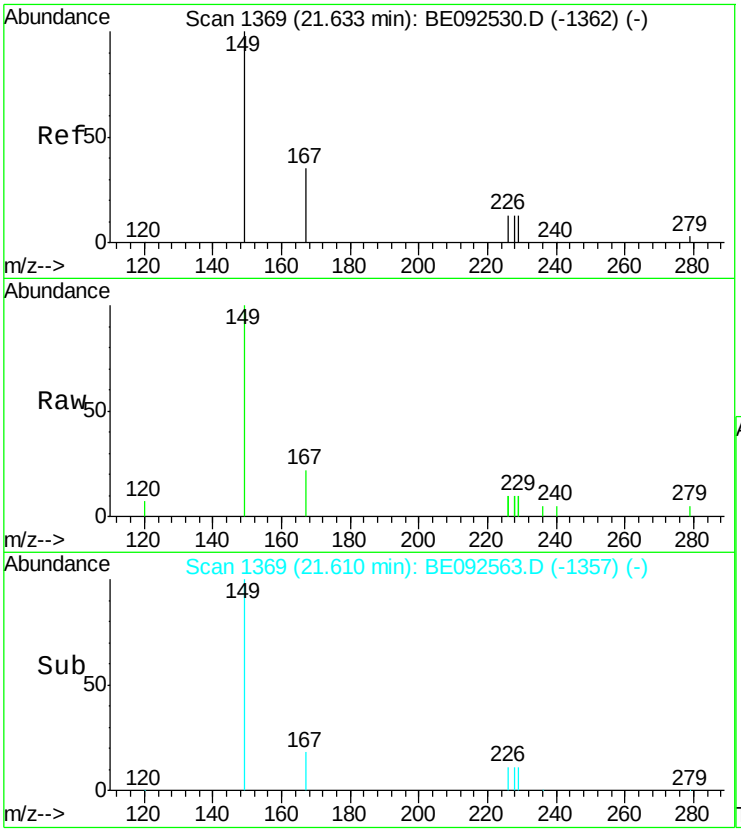


#28
Chrysene
Concen: 0.46 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:228 Resp: 32962

Ion	Ratio	Lower	Upper
228	100		
226	45.6	36.3	54.5
229	13.4	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.48 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Instrument :
BNA_E
ClientSampleId :
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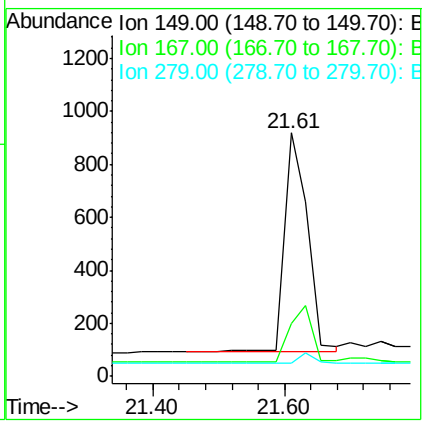
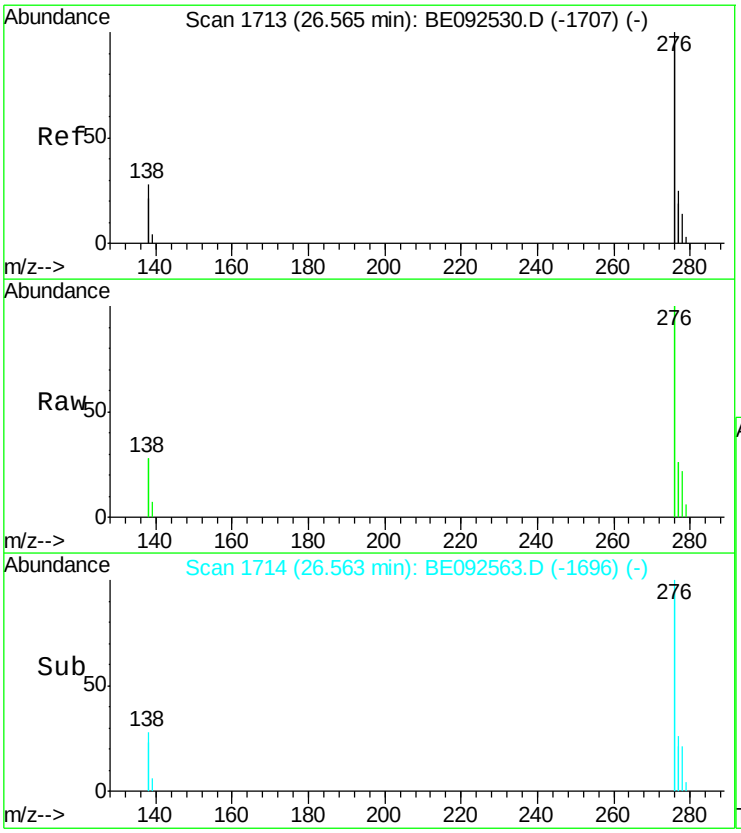
Tgt Ion:149 Resp: 2004

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

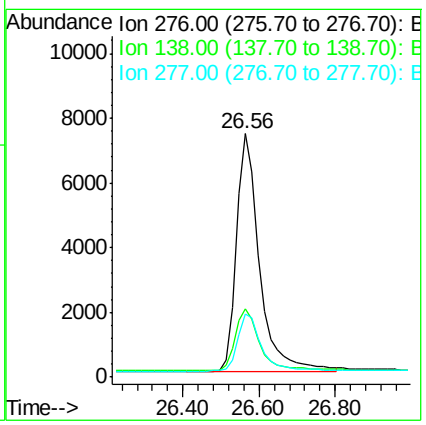


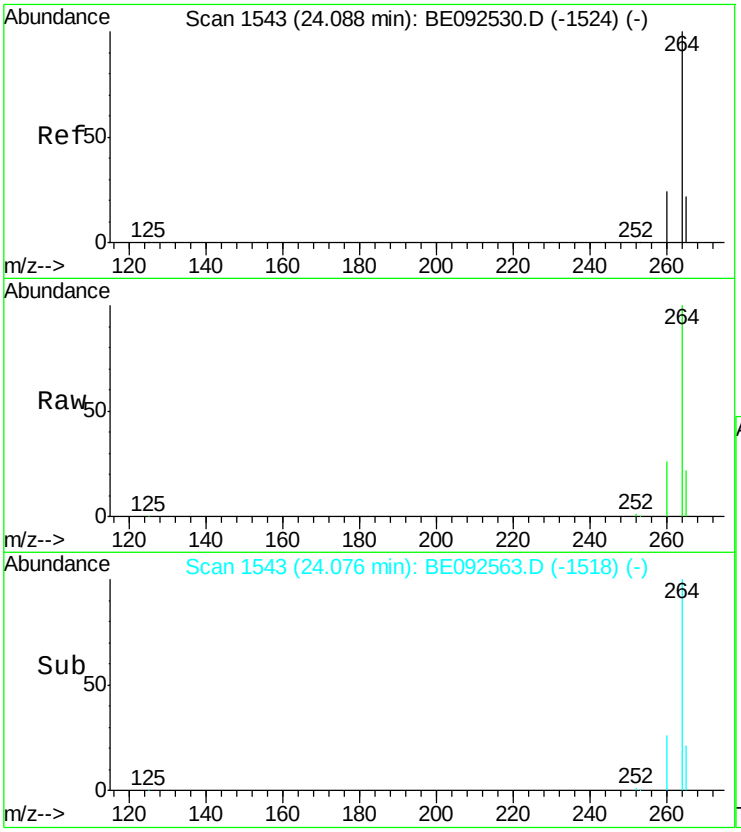


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:276 Resp: 31105

Ion	Ratio	Lower	Upper
276	100		
138	27.8	20.3	30.5
277	24.7	19.7	29.5

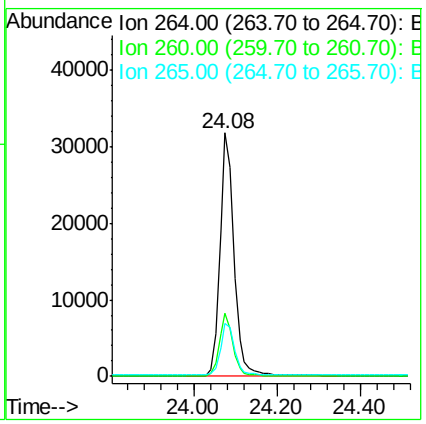




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:264 Resp: 75209

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.1	30.1
265	21.7	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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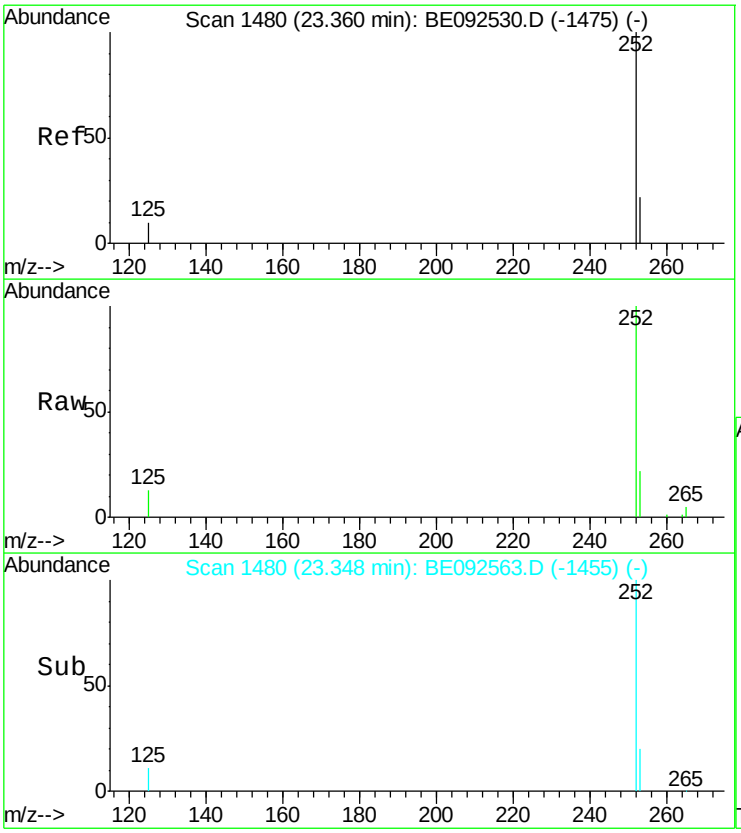
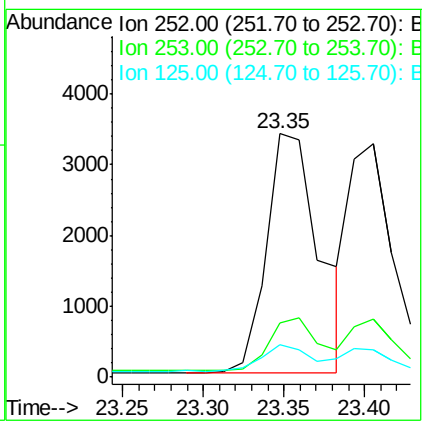
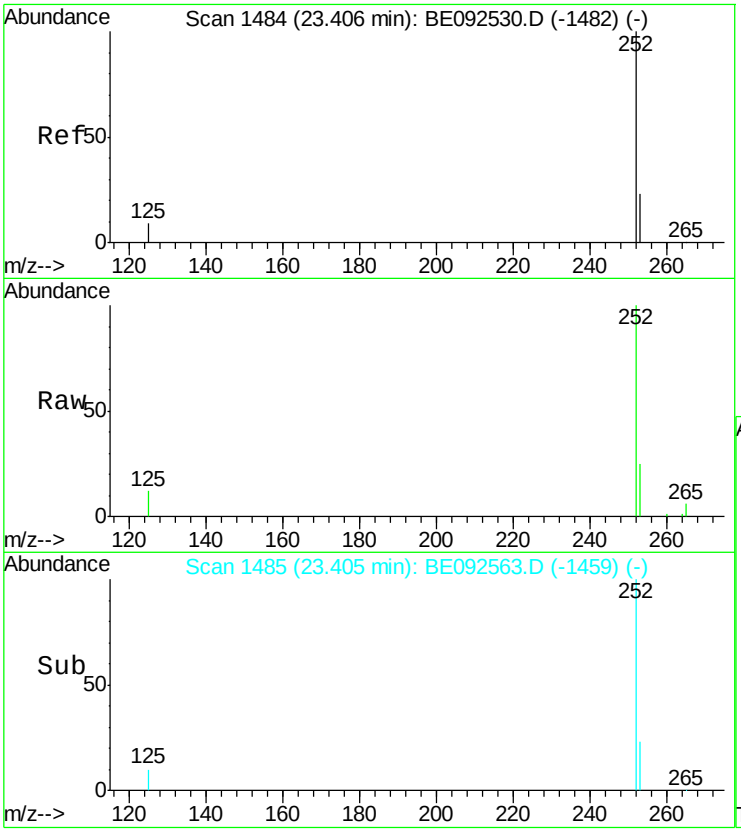


#32
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:252 Resp: 7696

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	13.3	10.5	15.7

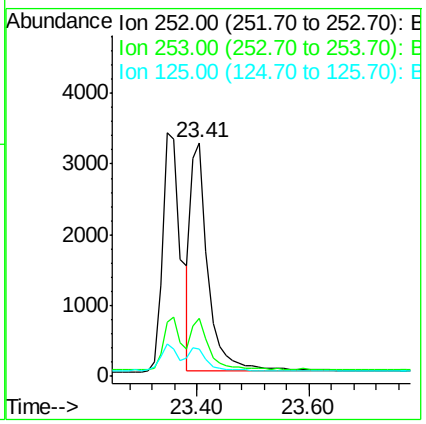




#33
Benzo(k)fluoranthene
Concen: 0.36 ng
RT: 23.41 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:252 Resp: 6816

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.3	30.5
125	11.9	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
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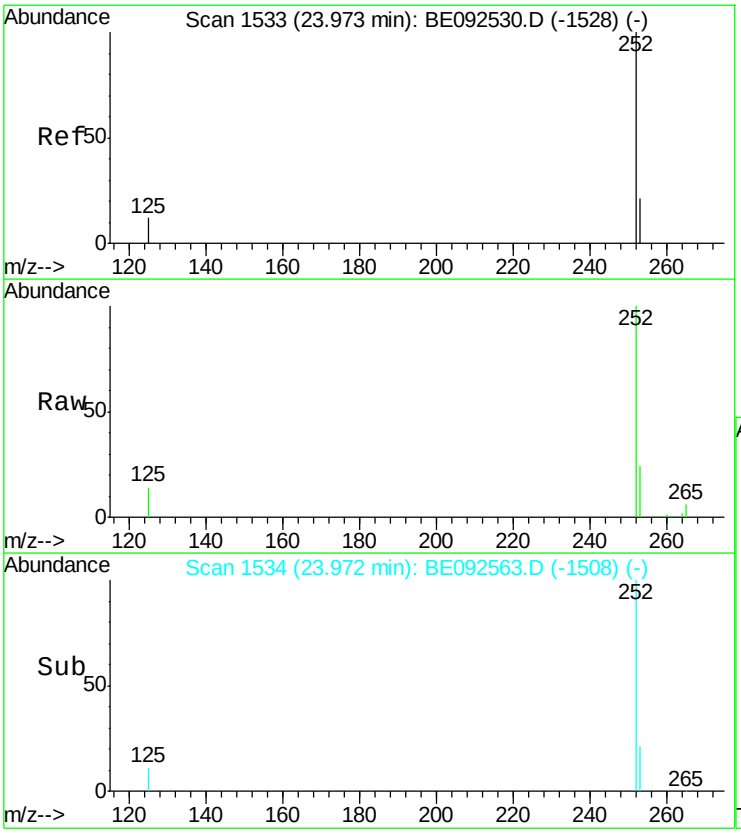
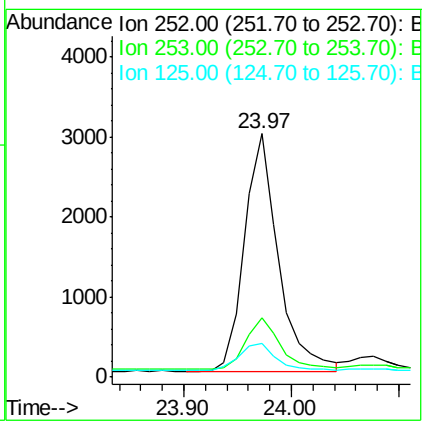
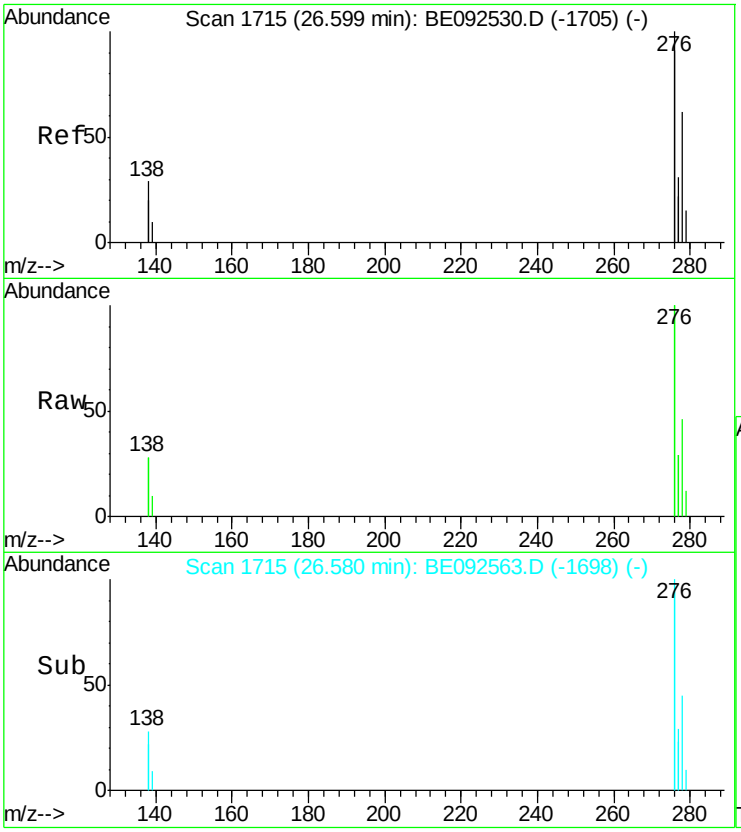


#34
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.97 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:252 Resp: 6496

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.6
125	13.7	11.8	17.8





#35
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Instrument :
BNA_E
ClientSampleId :
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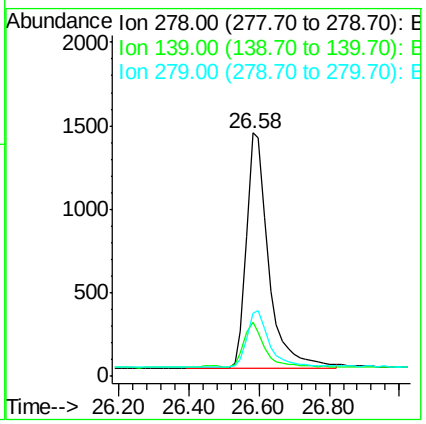
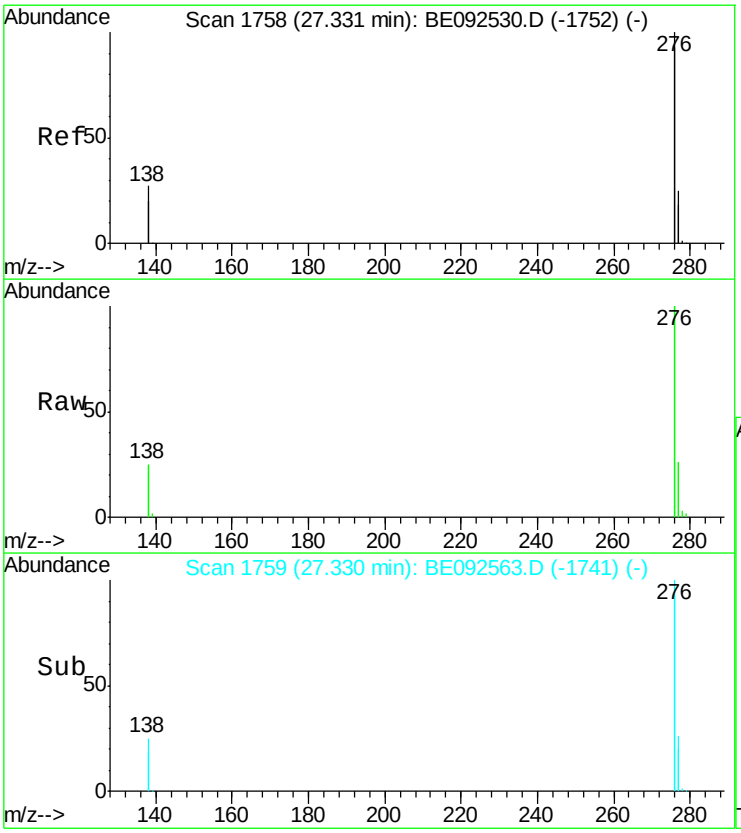
Tgt Ion:278 Resp: 6303

Ion	Ratio	Lower	Upper
278	100		
139	22.4	13.8	20.8#
279	25.7	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.33 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BE092563.D
Acq: 18 Nov 2016 12:07

Tgt Ion:276 Resp: 26861

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.8	29.8
138	25.2	19.8	29.6