Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
Data File : BE092502.D
Acq On : 8 Nov 2016 10:54
Operator : UM/SJ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

Manual Integrations APPROVED
umangi
11/9/2016 10:58:46 AM

Quant Time: Nov 08 13:07:49 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 12:49:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8119	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	38922	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	26892	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	62792	5.00	ng		0.00
24) Chrysene-d12	21.72	240	91846	5.00	ng		0.00
31) Perylene-d12	24.09	264	89677	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.66	112	337	0.27	ng		0.00
5) Phenol-d6	7.34	99	423	0.25	ng		0.00
8) Nitrobenzene-d5	9.34	82	444	0.20	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	129	0.24	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	1311	0.20	ng		0.00
26) Terphenyl-d14	20.17	244	2101	0.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	350	0.33	ng	#	72
3) n-Nitrosodimethylamine	3.77	42	238	0.24	ng	#	84
6) bis(2-Chloroethyl)ether	7.59	93	477	0.23	ng	#	28
9) Naphthalene	10.99	128	1697	0.20	ng	#	91
10) Hexachlorobutadiene	11.28	225	262	0.20	ng		97
11) 2-Methylnaphthalene	12.64	142	1027	0.19	ng		95
15) Acenaphthylene	14.52	152	7330	0.19	ng		100
16) Acenaphthene	14.87	154	1291	0.21	ng		95
17) Fluorene	15.86	166	1532	0.21	ng		99
19) Hexachlorobenzene	16.89	284	457m	0.16	ng		
20) Pentachlorophenol	17.23	266	124	0.25	ng		91
21) Phenanthrene	17.60	178	2643	0.16	ng		96
22) Anthracene	17.70	178	2564	0.18	ng		98
23) Fluoranthene	19.59	202	13401	0.21	ng		99
25) Pyrene	19.95	202	14062	0.18	ng		99
27) Benzo(a)anthracene	21.70	228	18965m	0.22	ng		
28) Chrysene	21.77	228	24649m	0.28	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	2279	0.32	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.58	276	20945	0.27	ng		100
32) Benzo(b)fluoranthene	23.36	252	8845	0.40	ng		99
33) Benzo(k)fluoranthene	23.40	252	9062	0.41	ng		98
34) Benzo(a)pyrene	23.97	252	4764	0.24	ng	#	92
35) Dibenzo(a,h)anthracene	26.60	278	4243	0.22	ng	#	95
36) Benzo(g,h,i)perylene	27.35	276	17531	0.22	ng		94

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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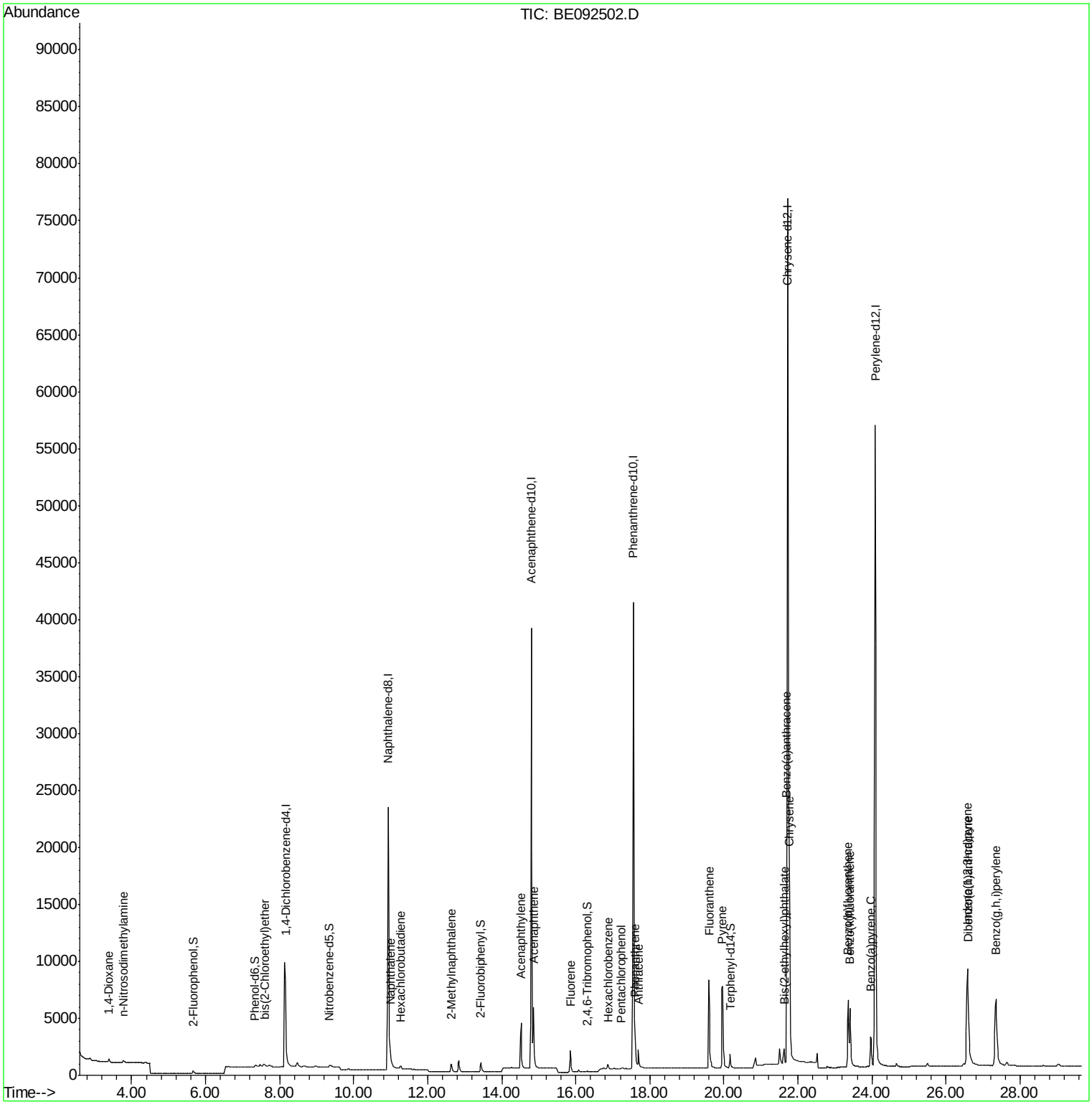
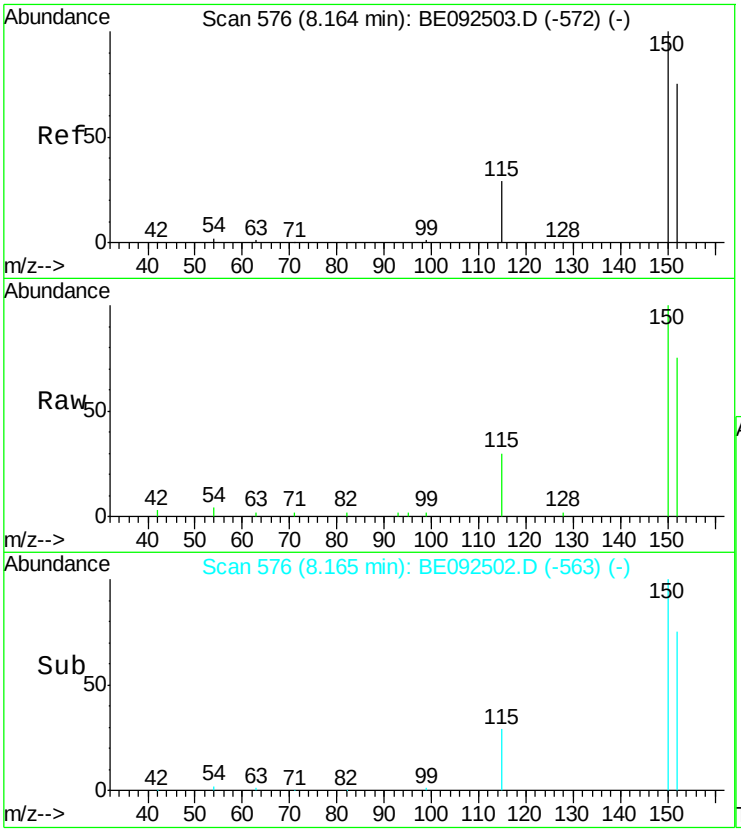
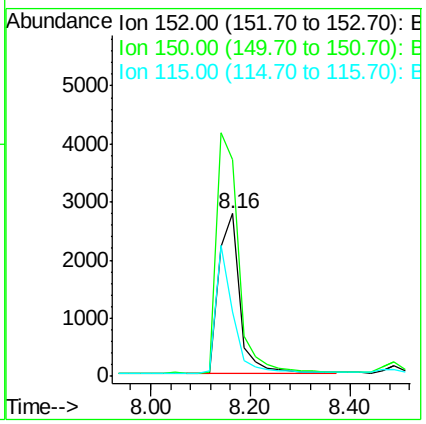




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:152 Resp: 8119

Ion	Ratio	Lower	Upper
152	100		
150	133.3	106.0	159.0
115	39.7	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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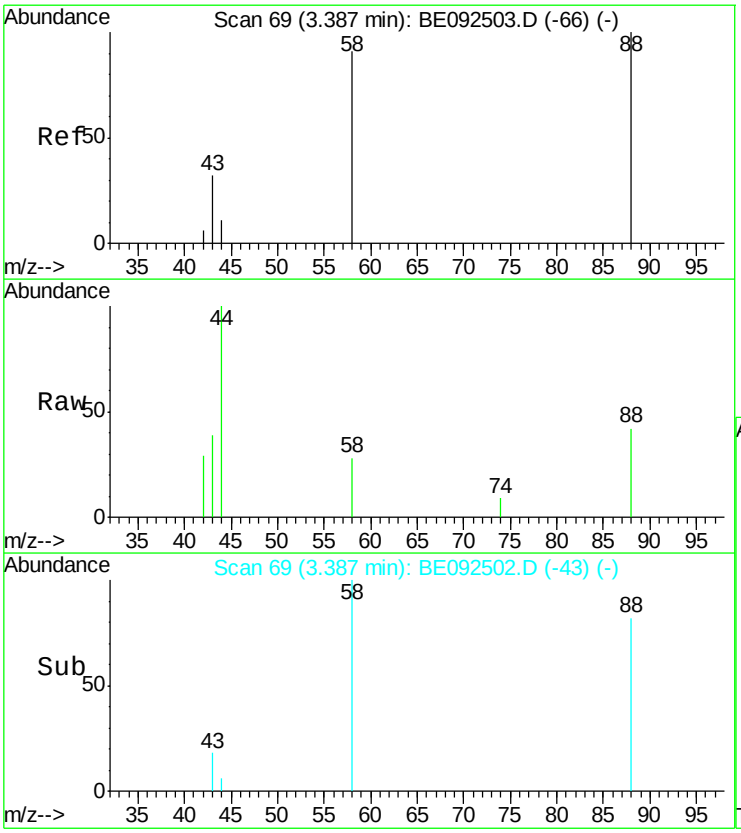
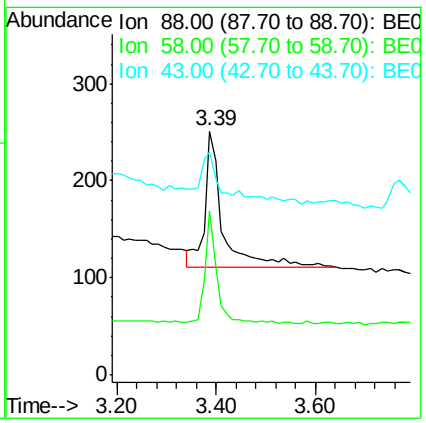
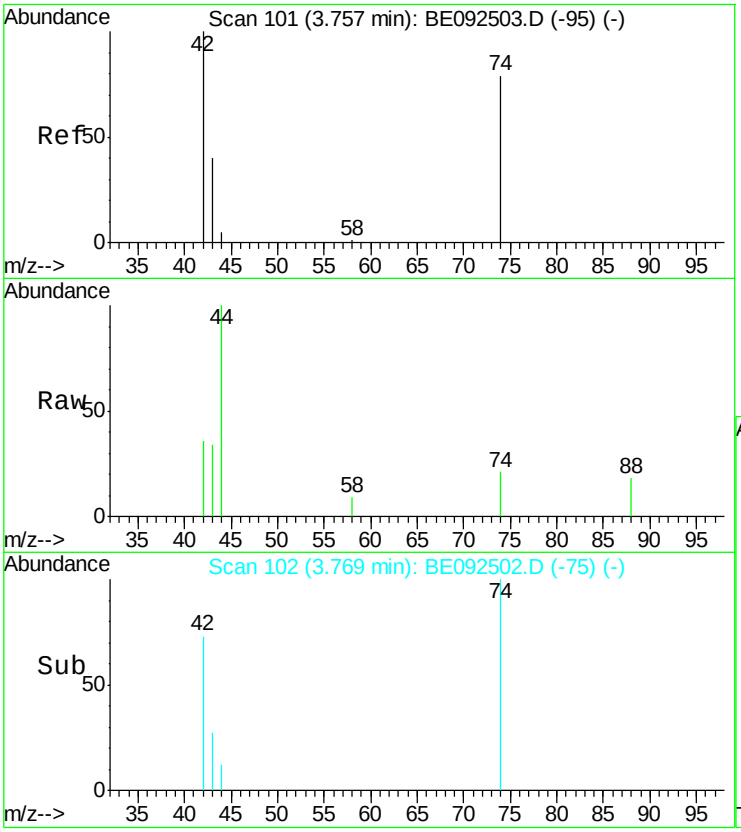


#2
1,4-Dioxane
Concen: 0.33 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion: 88 Resp: 350

Ion	Ratio	Lower	Upper
88	100		
58	54.0	63.6	95.4#
43	49.4	28.0	42.0#

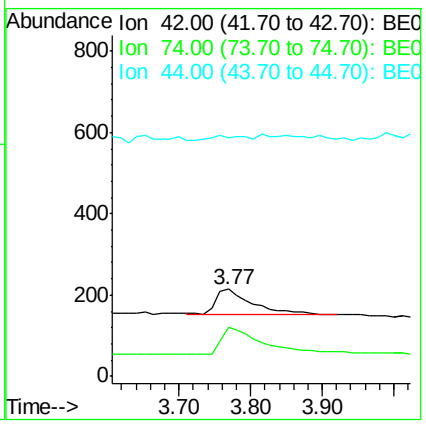




#3
n-Nitrosodimethylamine
Concen: 0.24 ng
RT: 3.77 min Scan# 102
Delta R.T. 0.01 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion: 42 Resp: 238

Ion	Ratio	Lower	Upper
42	100		
74	124.8	86.0	129.0
44	9.7	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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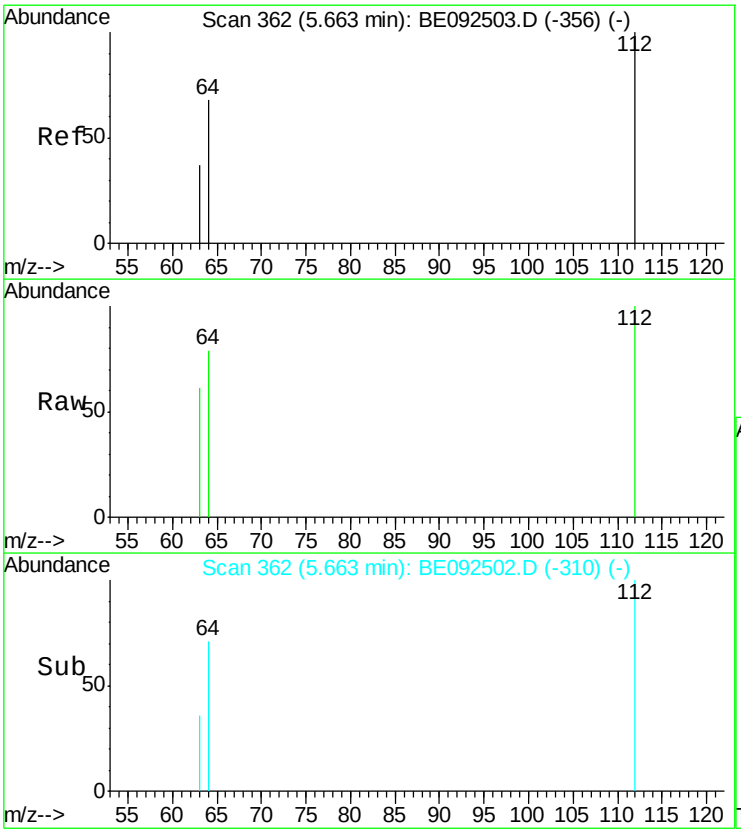
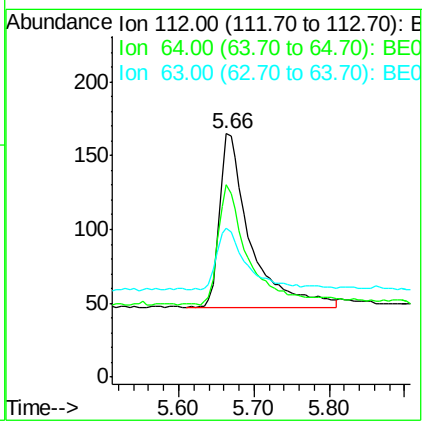
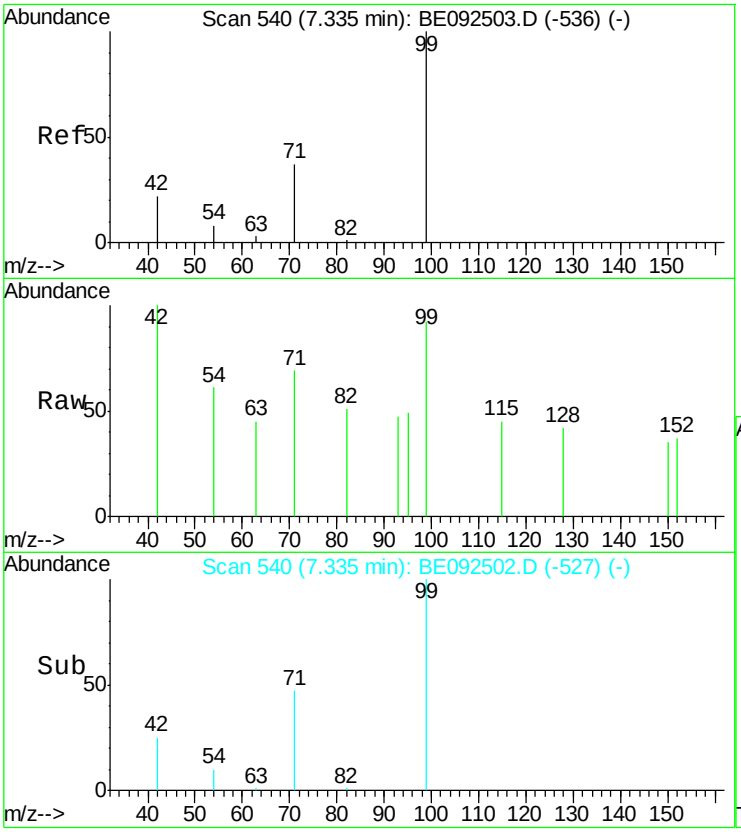


#4
2-Fluorophenol
Concen: 0.27 ng
RT: 5.66 min Scan# 362
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:112 Resp: 337

Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.5	80.3
63	34.1	27.9	41.9

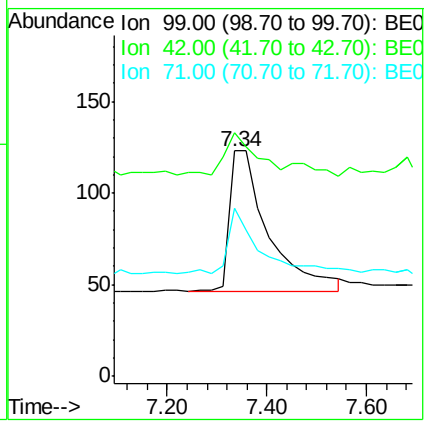




#5
Phenol-d6
Concen: 0.25 ng
RT: 7.34 min Scan# 540
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion: 99 Resp: 423

Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.0	24.0
71	36.2	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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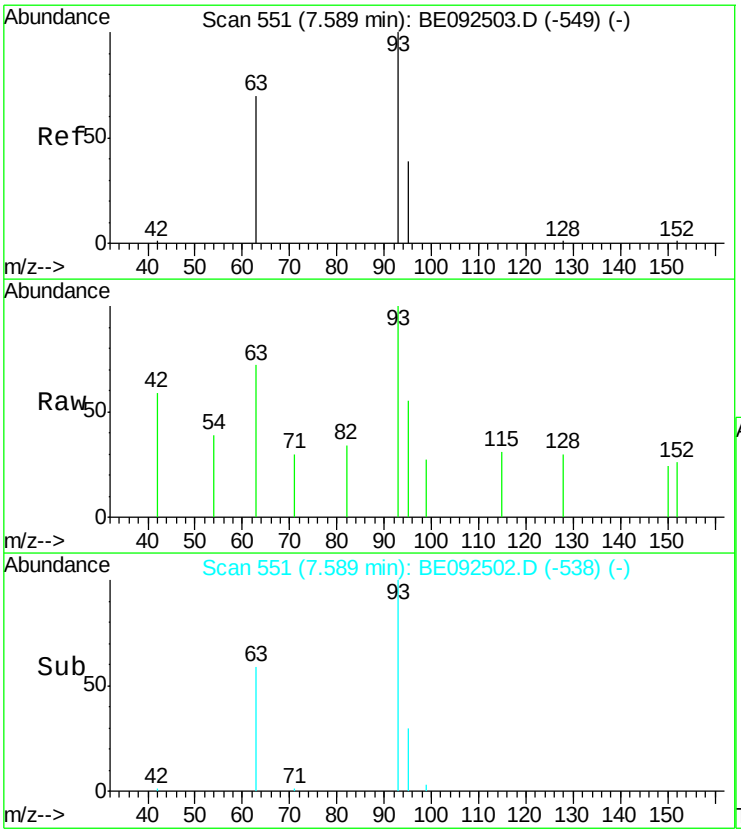
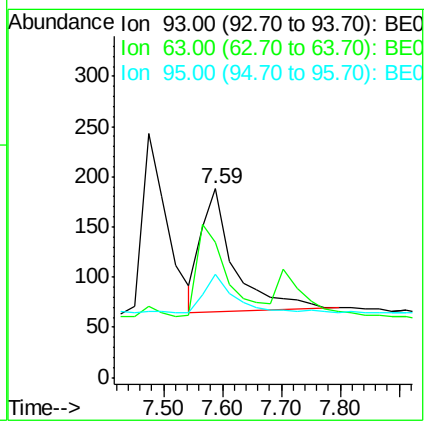
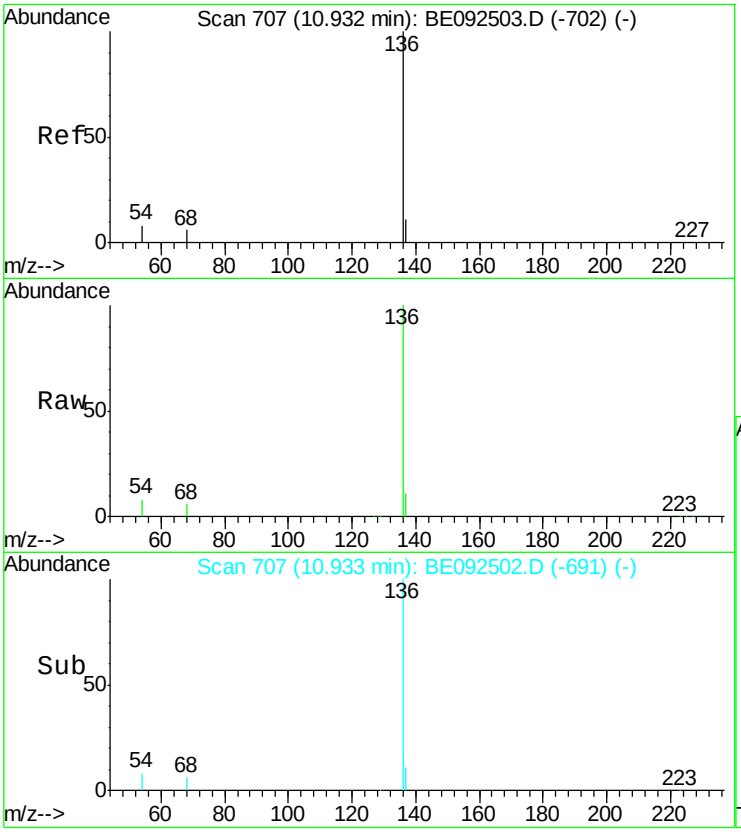


#6
bis(2-Chloroethyl)ether
Concen: 0.23 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion: 93 Resp: 477

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	30.6	24.0	36.0

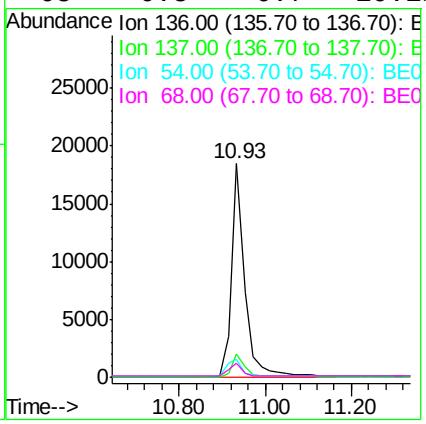




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:136 Resp: 38922

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	8.4	9.6	14.4#
68	6.3	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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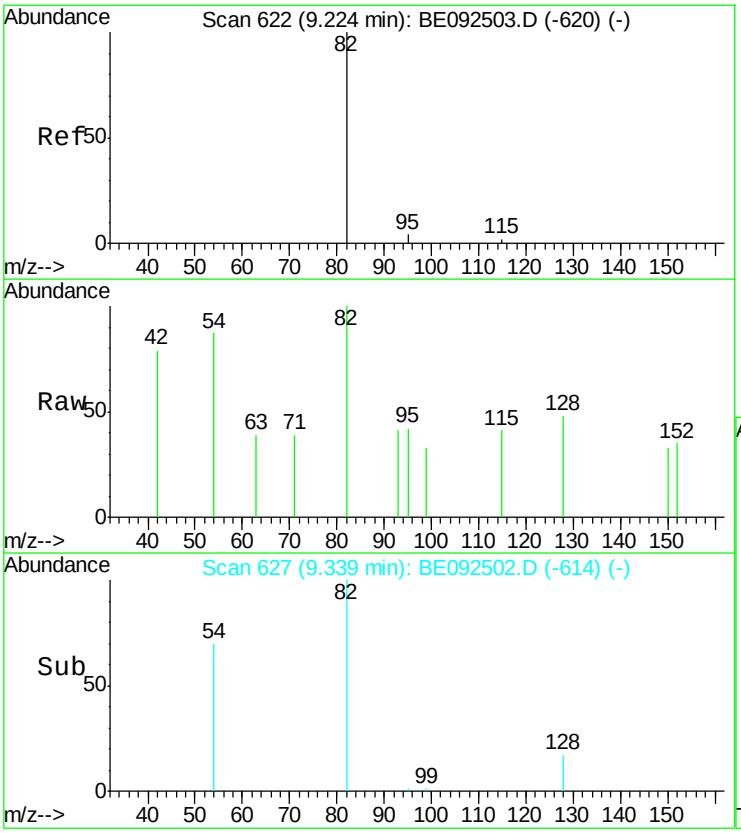
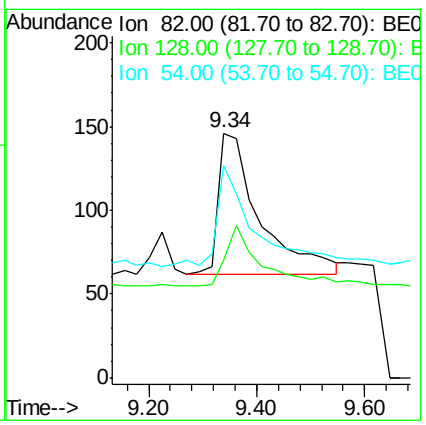
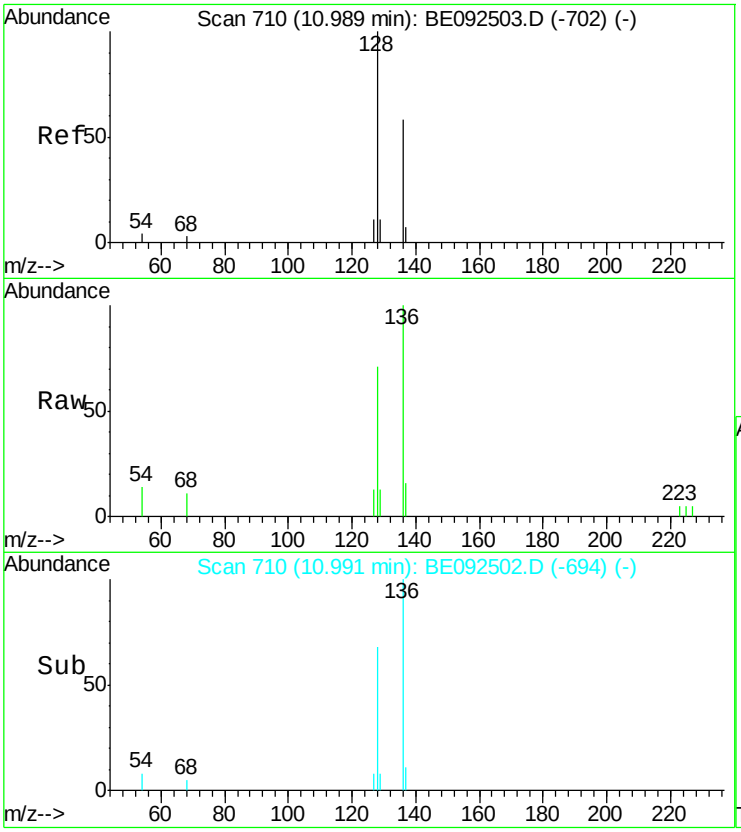


#8
Nitrobenzene-d5
Concen: 0.20 ng
RT: 9.34 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion: 82 Resp: 444

Ion	Ratio	Lower	Upper
82	100		
128	47.9	39.0	58.4
54	87.0	44.8	67.2#

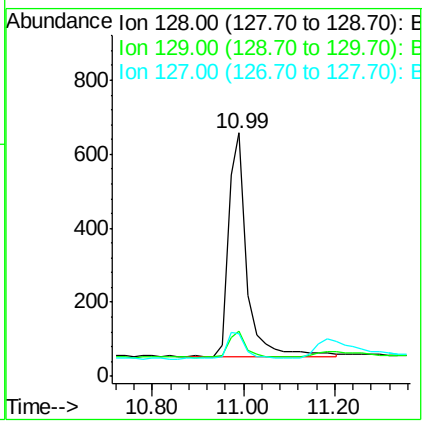




#9
Naphthalene
Concen: 0.20 ng
RT: 10.99 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:128 Resp: 1697

Ion	Ratio	Lower	Upper
128	100		
129	18.4	11.2	16.8#
127	17.6	11.6	17.4#



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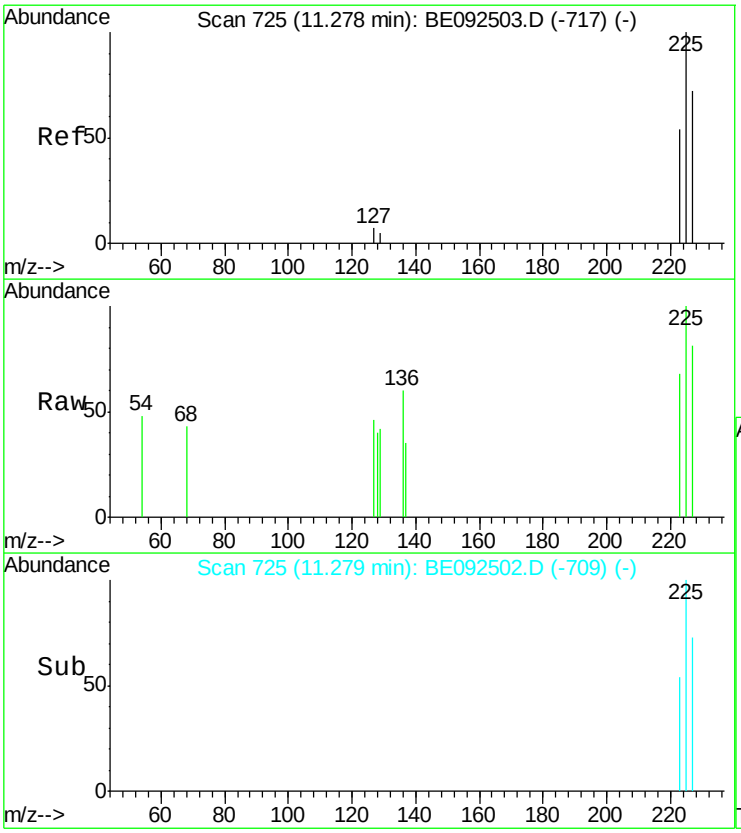
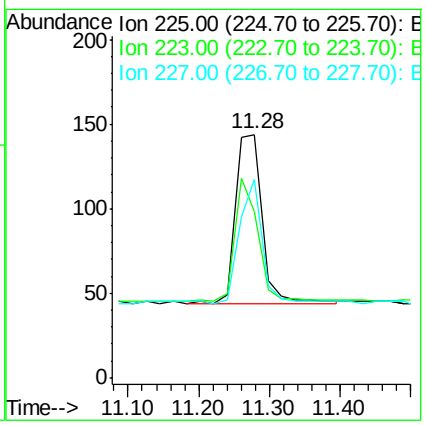
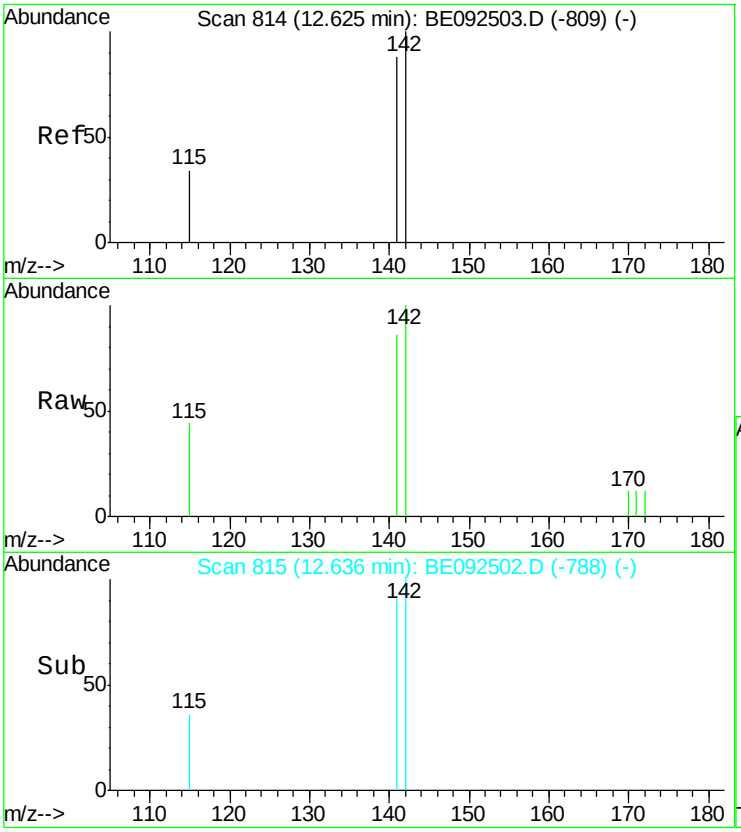


#10
Hexachlorobutadiene
Concen: 0.20 ng
RT: 11.28 min Scan# 725
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:225 Resp: 262

Ion	Ratio	Lower	Upper
225	100		
223	65.3	50.6	76.0
227	62.2	51.4	77.0

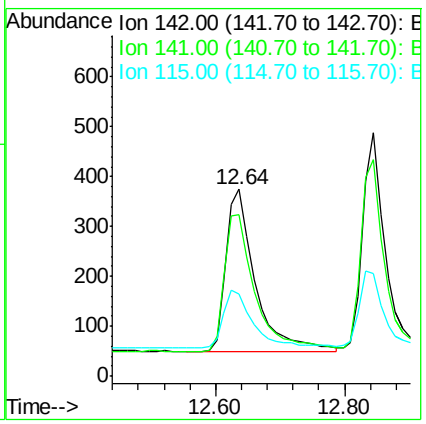




#11
2-Methylnaphthalene
Concen: 0.19 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.01 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:142 Resp: 1027

Ion	Ratio	Lower	Upper
142	100		
141	86.4	73.7	110.5
115	43.9	34.0	51.0



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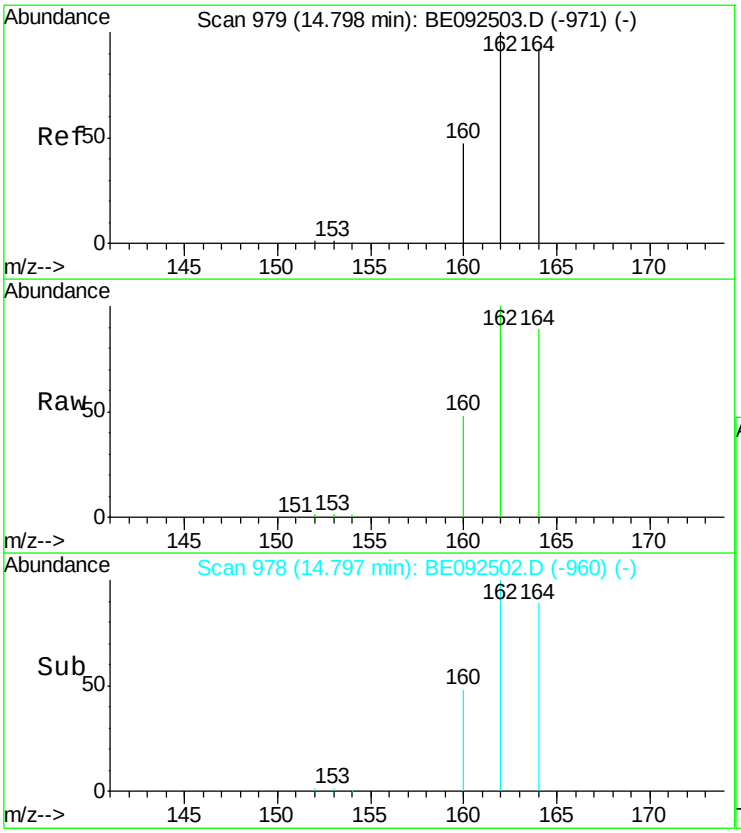
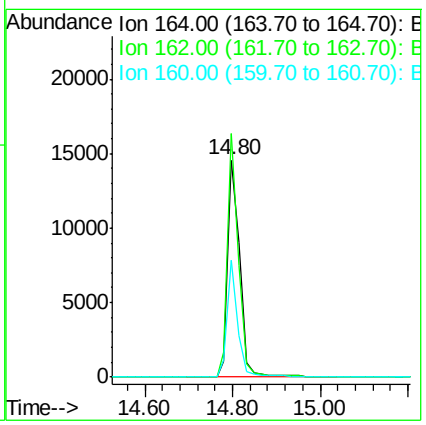
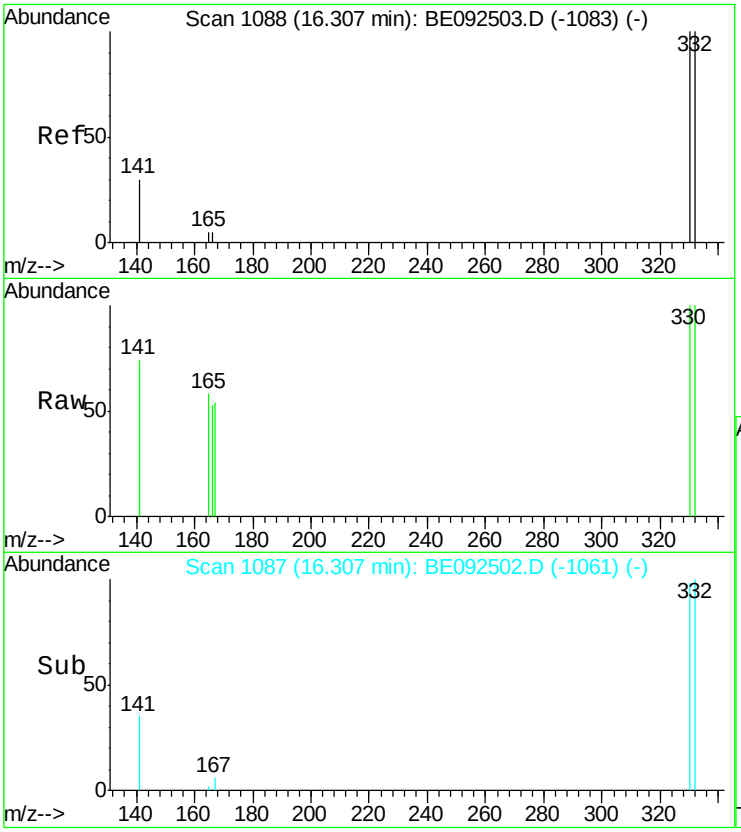


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:164 Resp: 26892

Ion	Ratio	Lower	Upper
164	100		
162	112.2	71.4	107.0#
160	53.7	27.4	41.2#

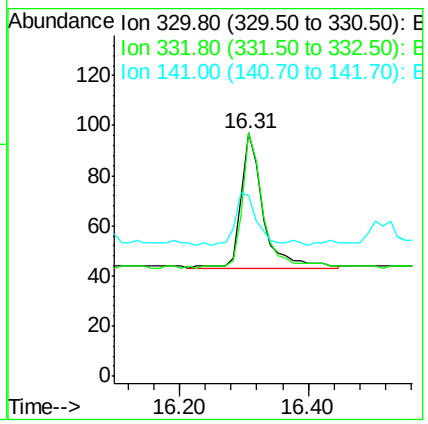




#13
2,4,6-Tribromophenol
Concen: 0.24 ng
RT: 16.31 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:330 Resp: 129

Ion	Ratio	Lower	Upper
330	100		
332	90.7	75.4	113.0
141	38.0	31.0	46.6



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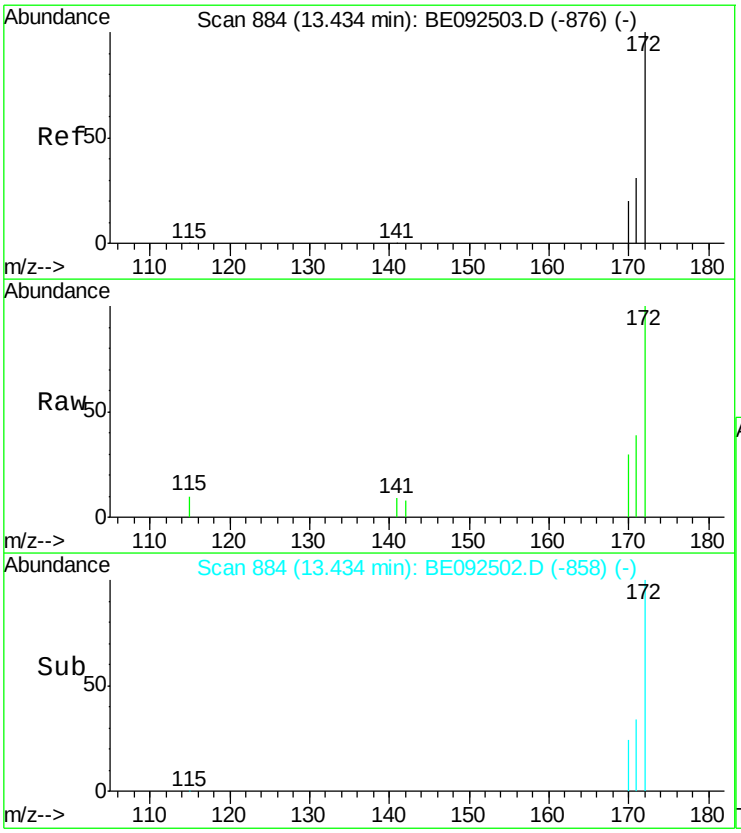
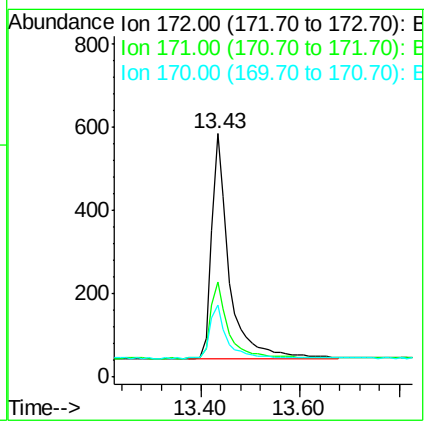
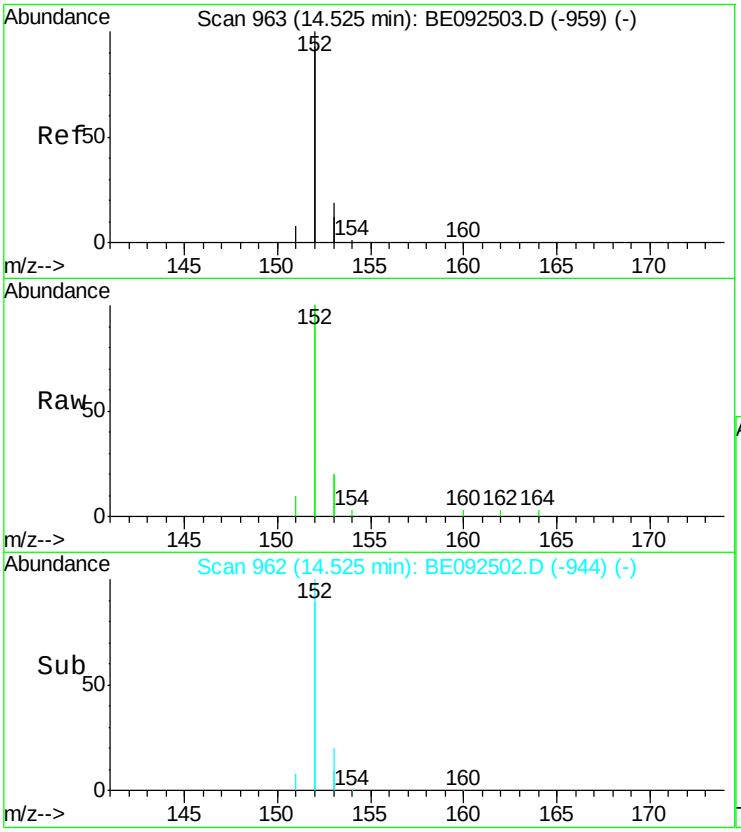


#14
2-Fluorobiphenyl
Concen: 0.20 ng
RT: 13.43 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:172 Resp: 1311

Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.1	45.1
170	29.6	21.8	32.6

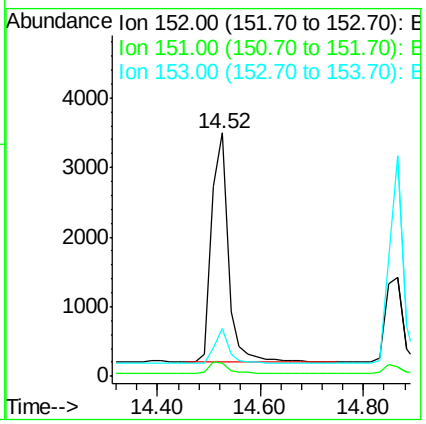




#15
Acenaphthylene
Concen: 0.19 ng
RT: 14.52 min Scan# 962
Delta R.T. -0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:152 Resp: 7330

Ion	Ratio	Lower	Upper
152	100		
151	5.1	3.9	5.9
153	13.0	10.4	15.6



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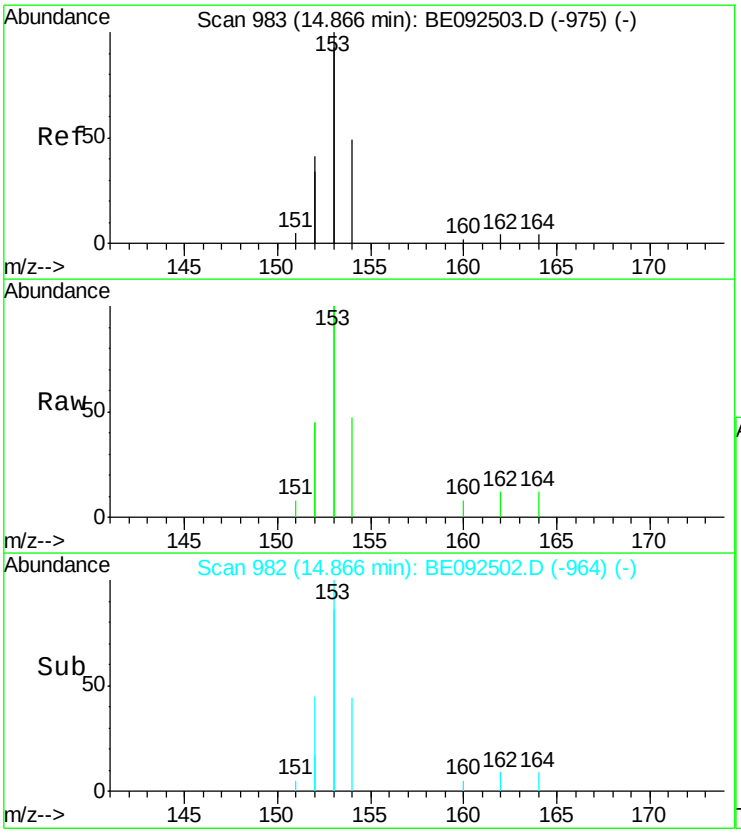
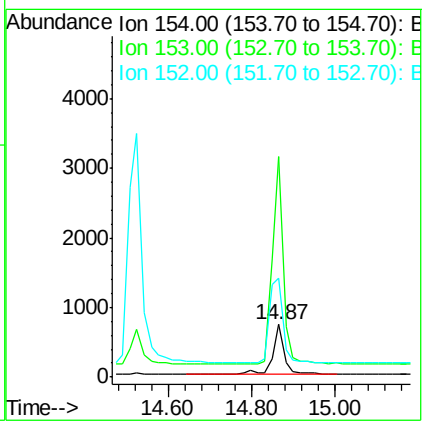
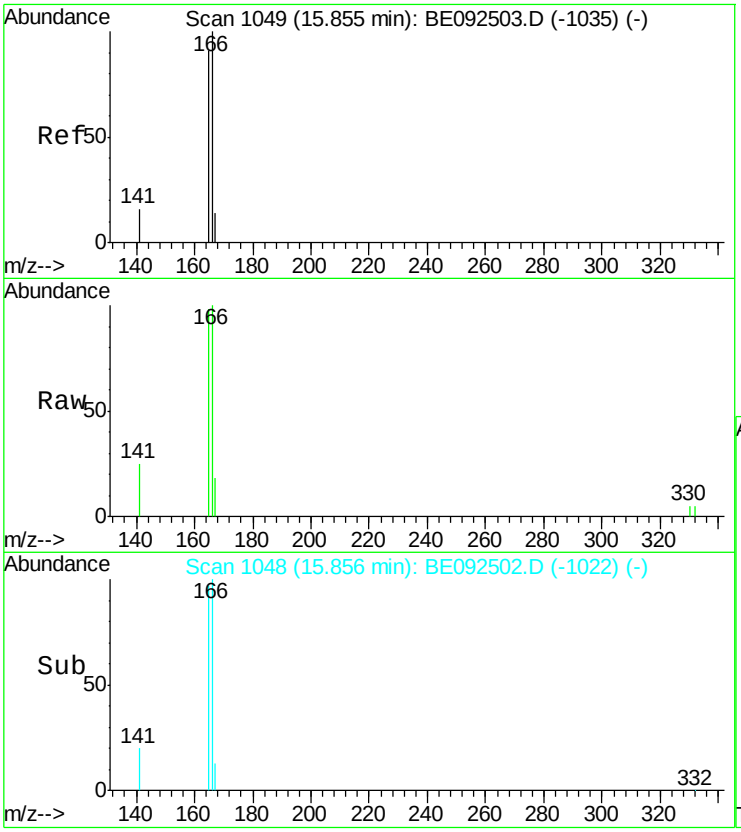


#16
Acenaphthene
Concen: 0.21 ng
RT: 14.87 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:154 Resp: 1291

Ion	Ratio	Lower	Upper
154	100		
153	418.0	350.8	526.2
152	214.0	171.1	256.7





#17
Fluorene
Concen: 0.21 ng
RT: 15.86 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:166 Resp: 1532

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.2	117.4
167	13.1	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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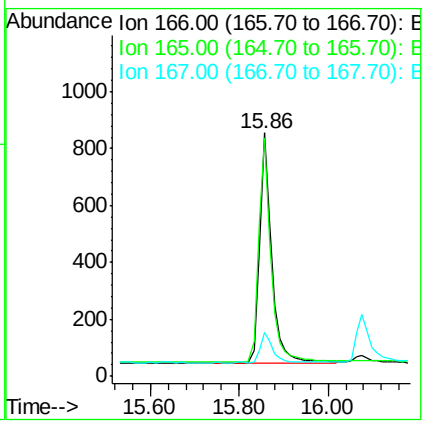
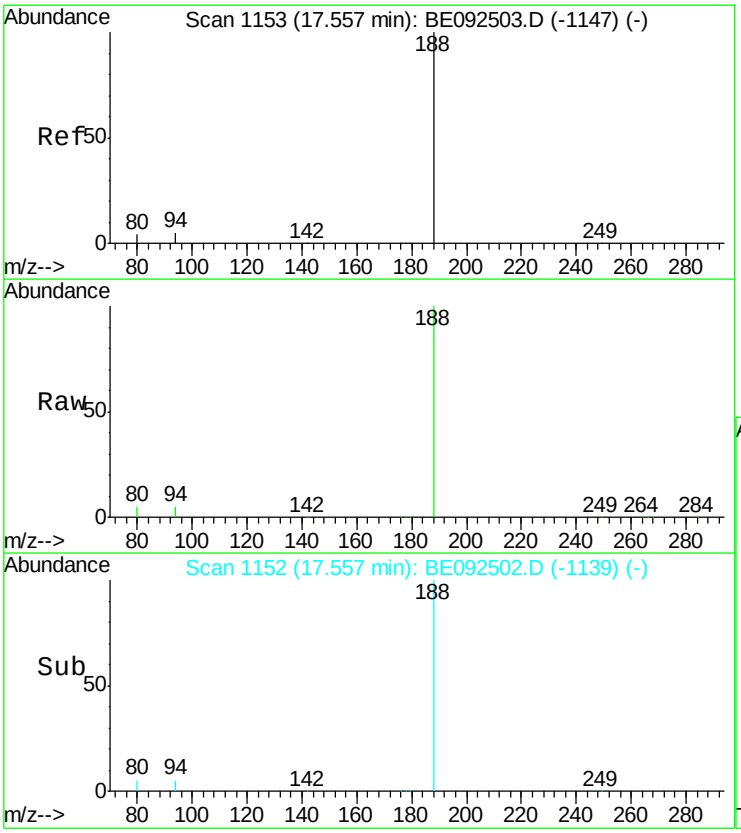
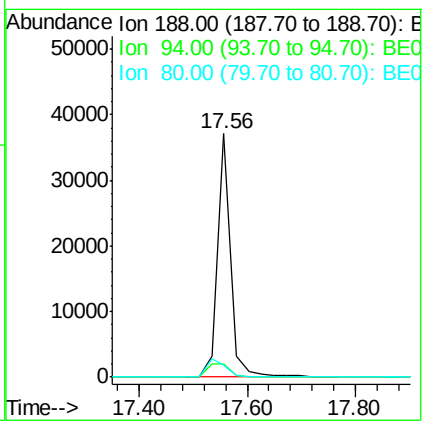


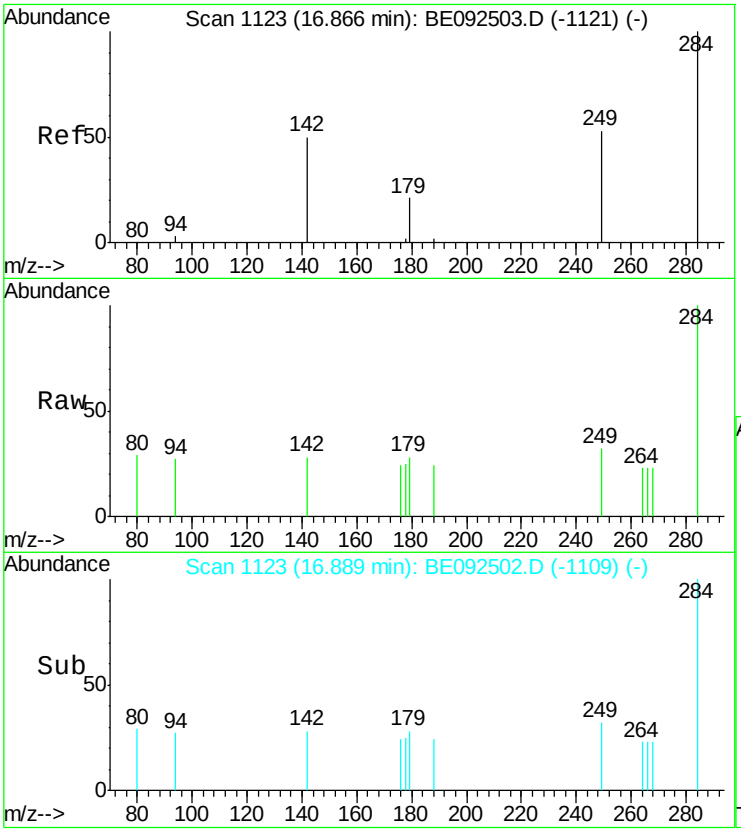


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:188 Resp: 62792

Ion	Ratio	Lower	Upper
188	100		
94	5.4	3.2	4.8#
80	4.8	2.6	3.8#





#19
Hexachlorobenzene
Concen: 0.16 ng m
RT: 16.89 min Scan# 1123
Delta R.T. 0.02 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:284 Resp: 457

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

Instrument :
BNA_E
ClientSampleId :
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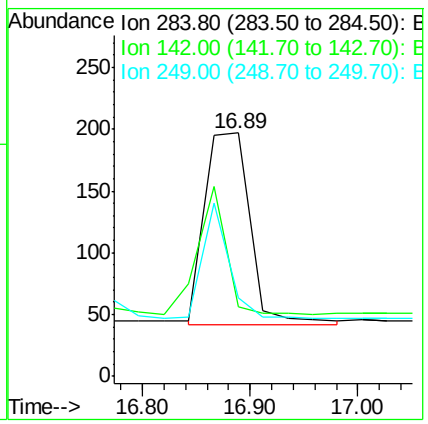
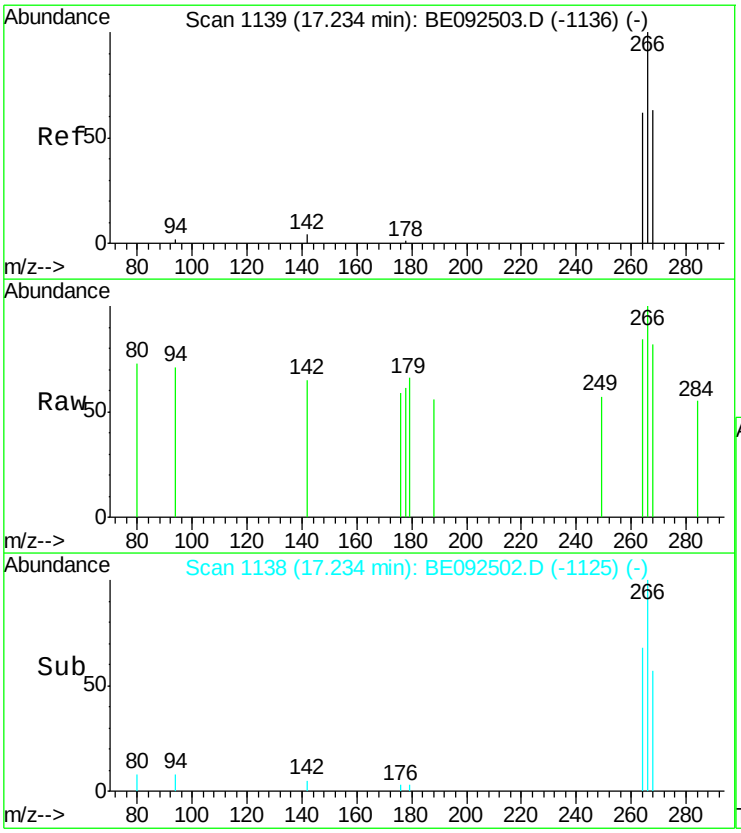
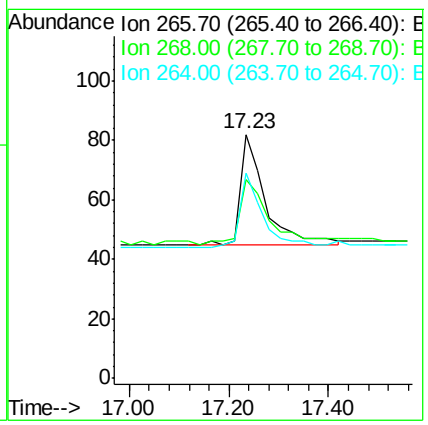


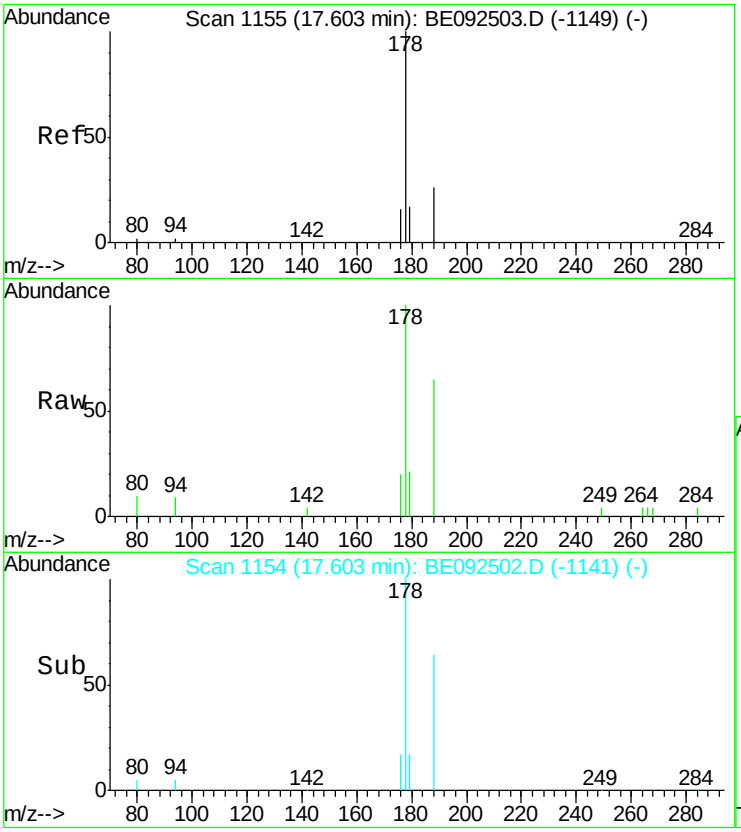


#20
Pentachlorophenol
Concen: 0.25 ng
RT: 17.23 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:266 Resp: 124

Ion	Ratio	Lower	Upper
266	100		
268	81.7	62.5	93.7
264	84.1	57.2	85.8

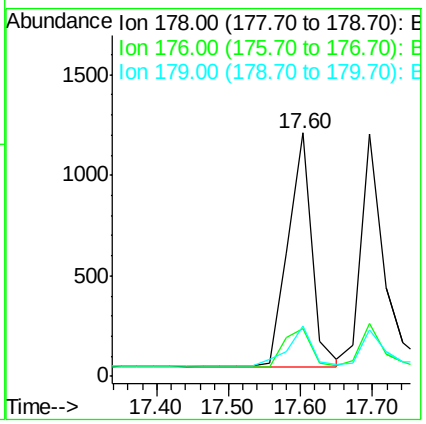




#21
Phenanthrene
Concen: 0.16 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:178 Resp: 2643

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	17.1	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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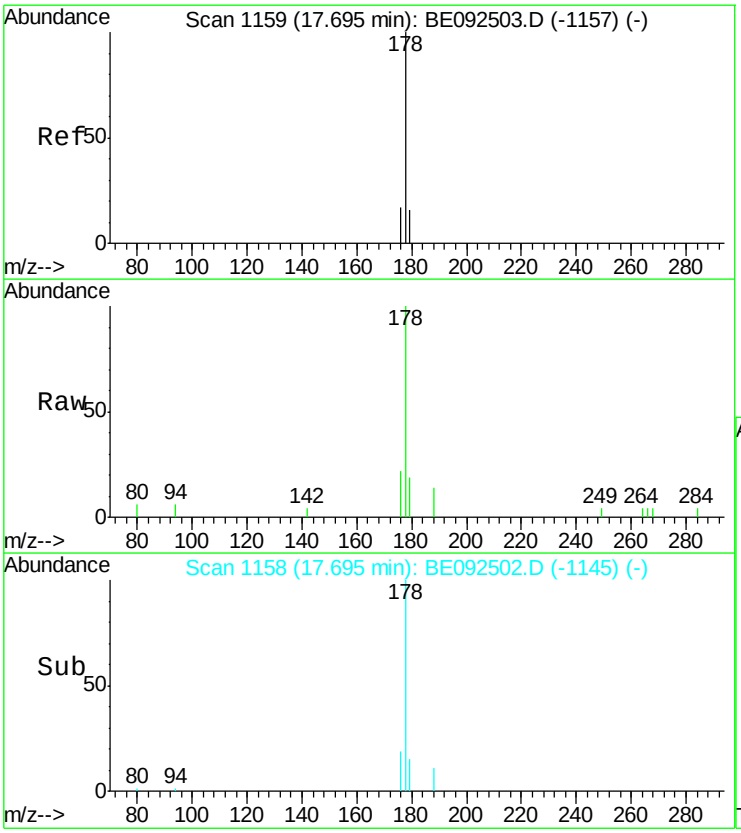
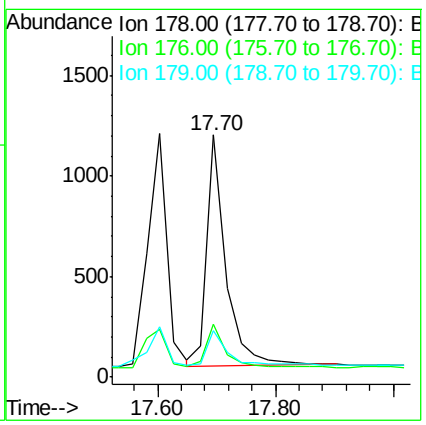
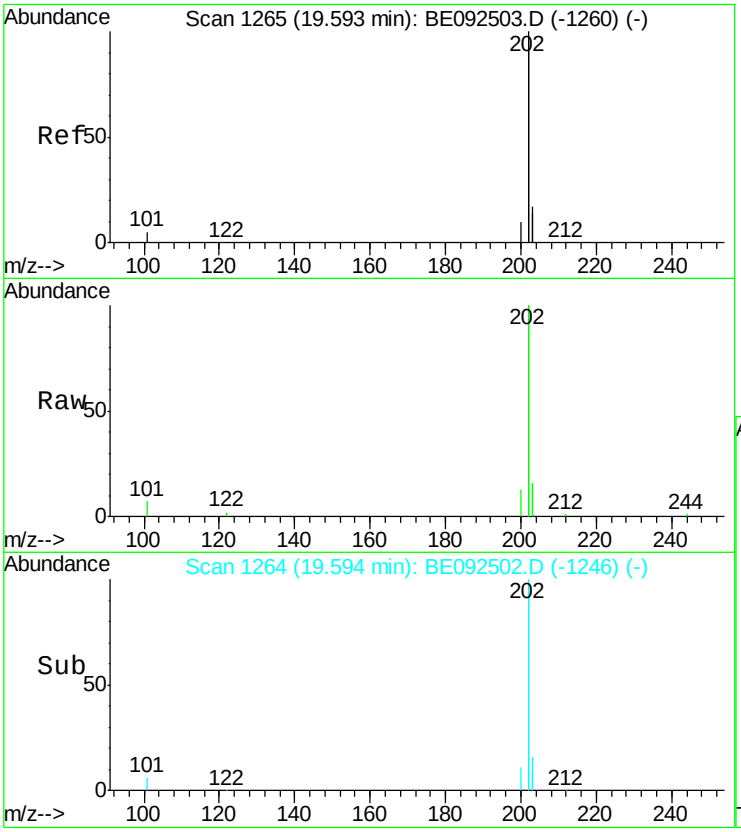


#22
Anthracene
Concen: 0.18 ng
RT: 17.70 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:178 Resp: 2564

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	17.0	12.2	18.2

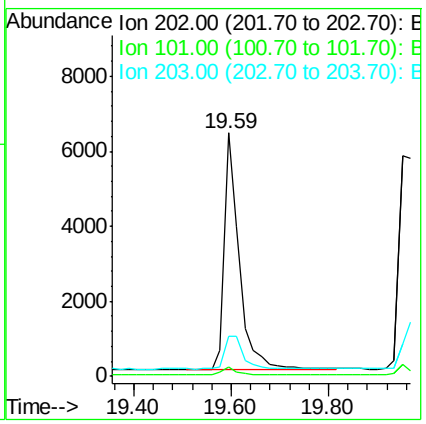




#23
Fluoranthene
Concen: 0.21 ng
RT: 19.59 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:202 Resp: 13401

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.8	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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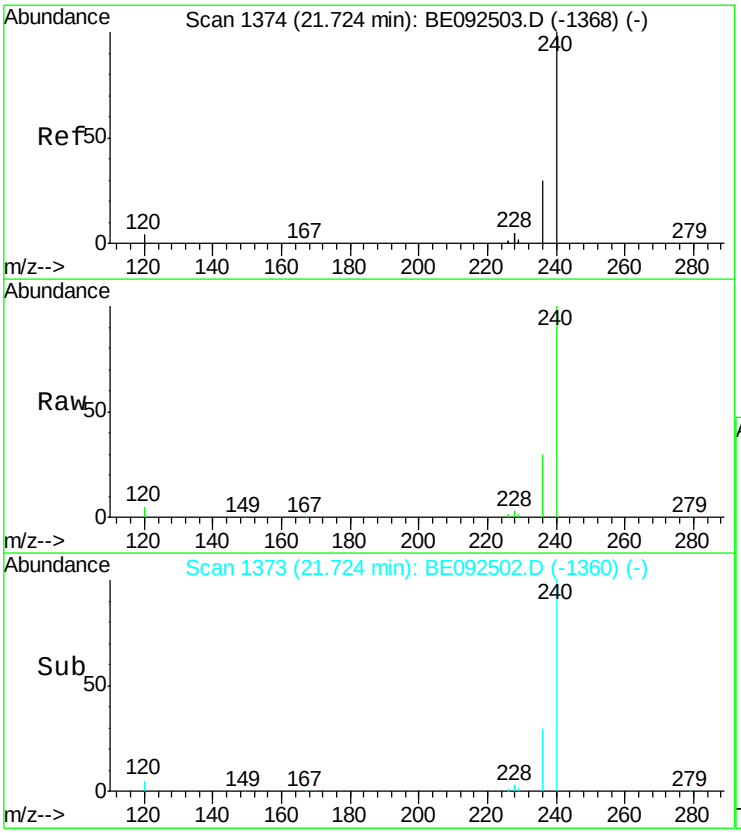
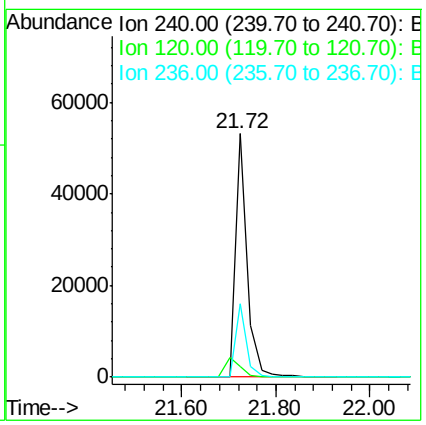
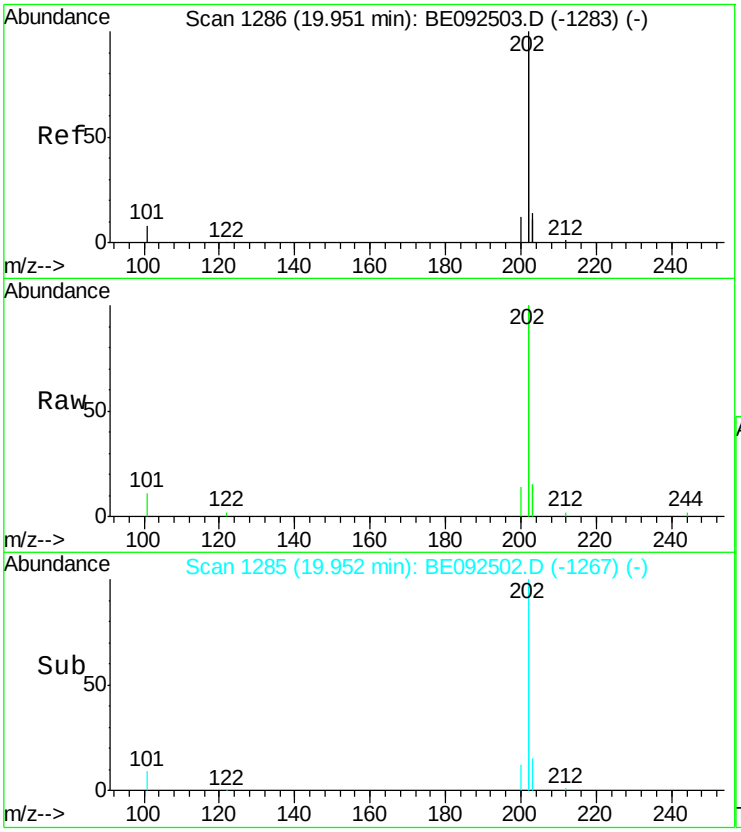


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:240 Resp: 91846

Ion	Ratio	Lower	Upper
240	100		
120	4.6	2.6	4.0#
236	30.1	24.6	37.0





#25
Pyrene
Concen: 0.18 ng
RT: 19.95 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:202 Resp: 14062

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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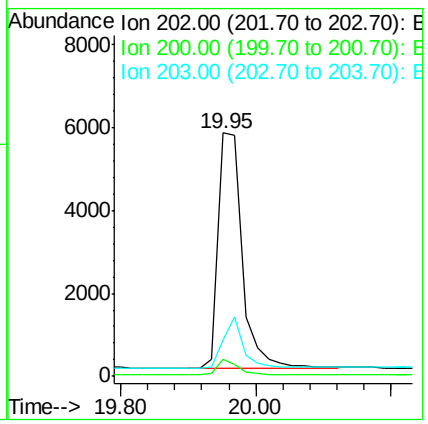
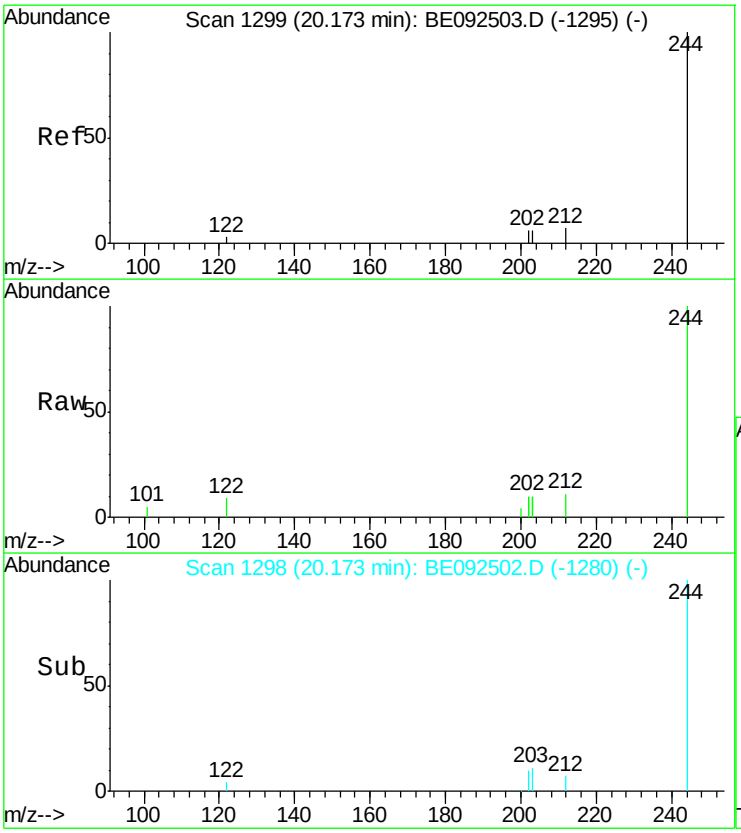
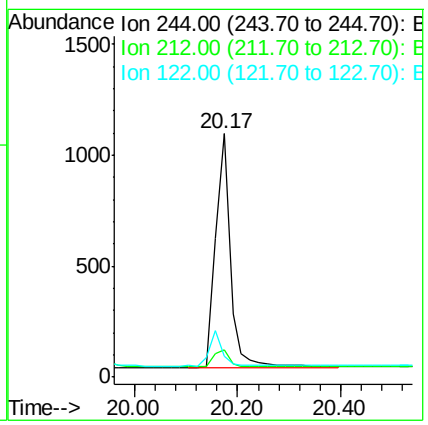


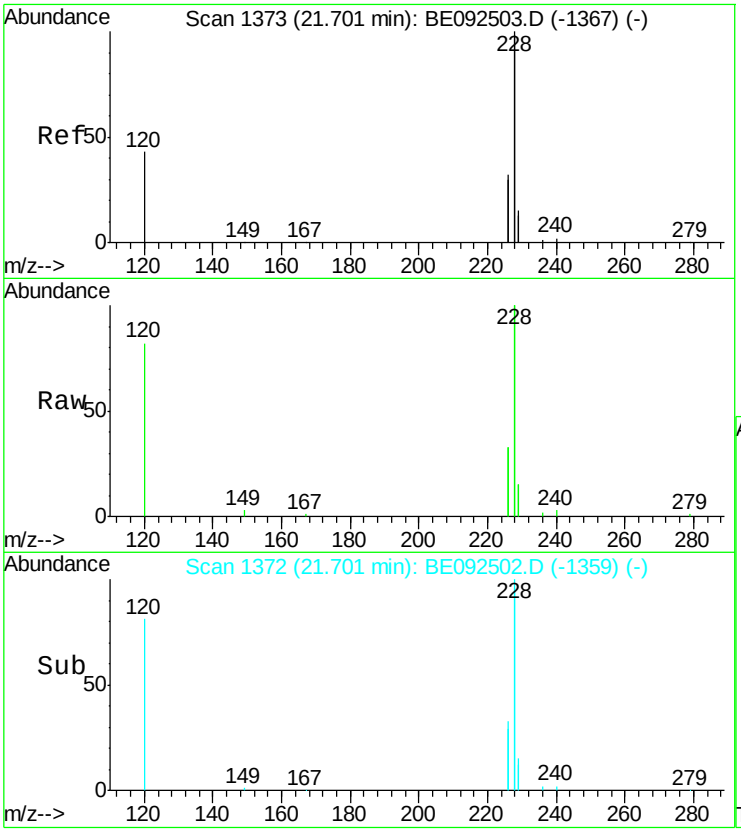


#26
Terphenyl-d14
Concen: 0.18 ng
RT: 20.17 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:244 Resp: 2101

Ion	Ratio	Lower	Upper
244	100		
212	11.1	6.7	10.1#
122	8.8	3.6	5.4#

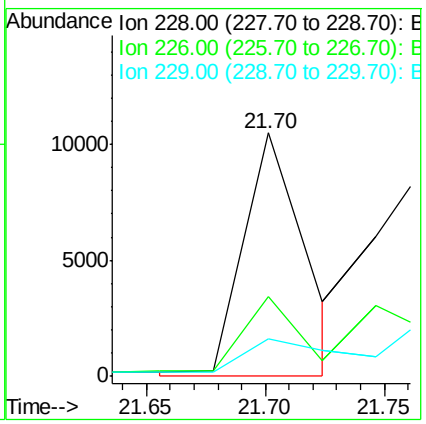




#27
Benzo(a)anthracene
Concen: 0.22 ng m
RT: 21.70 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:228 Resp: 18965

Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.6	35.4
229	15.3	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
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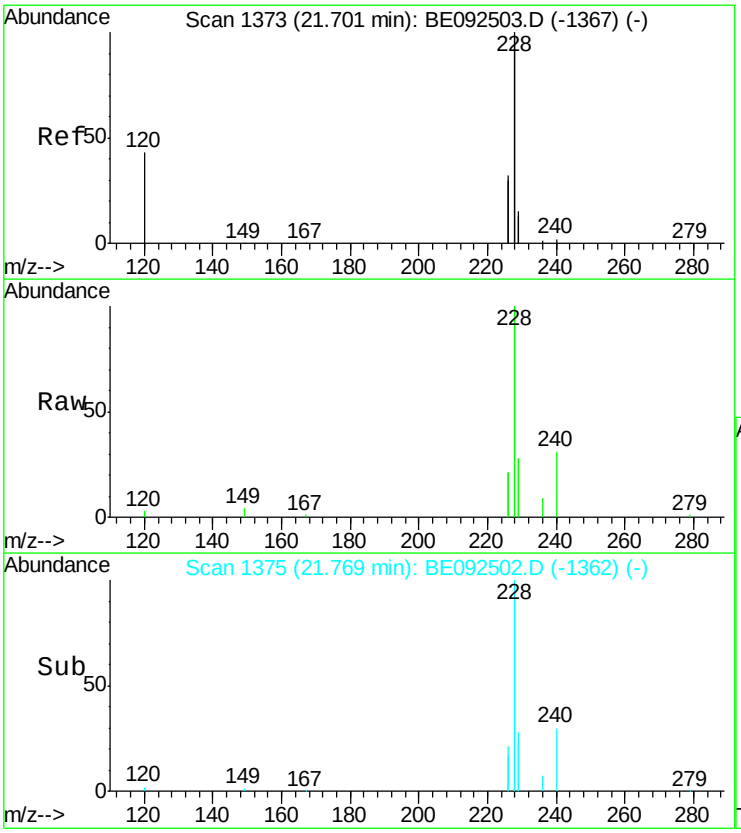
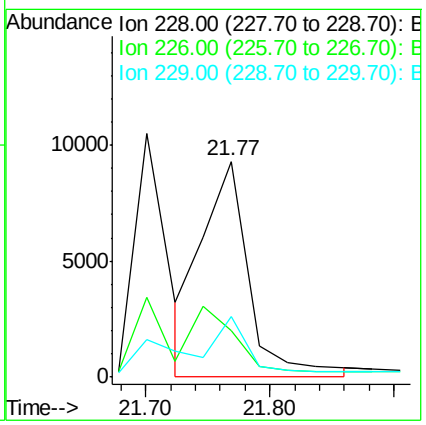
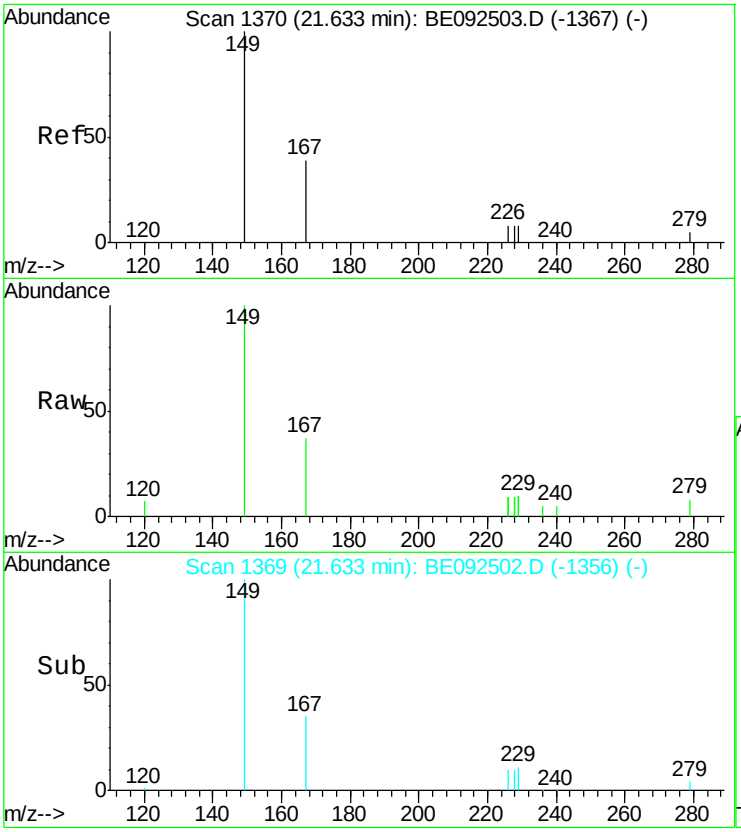


#28
Chrysene
Concen: 0.28 ng m
RT: 21.77 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:228 Resp: 24649

Ion	Ratio	Lower	Upper
228	100		
226	21.5	36.3	54.5#
229	28.0	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.32 ng
RT: 21.63 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:149 Resp: 2279

Ion	Ratio	Lower	Upper
149	100		
167	26.9	16.0	24.0#
279	3.6	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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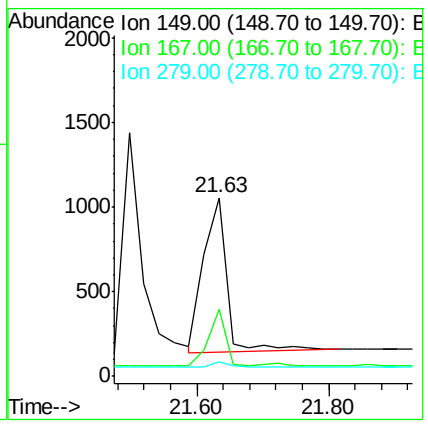
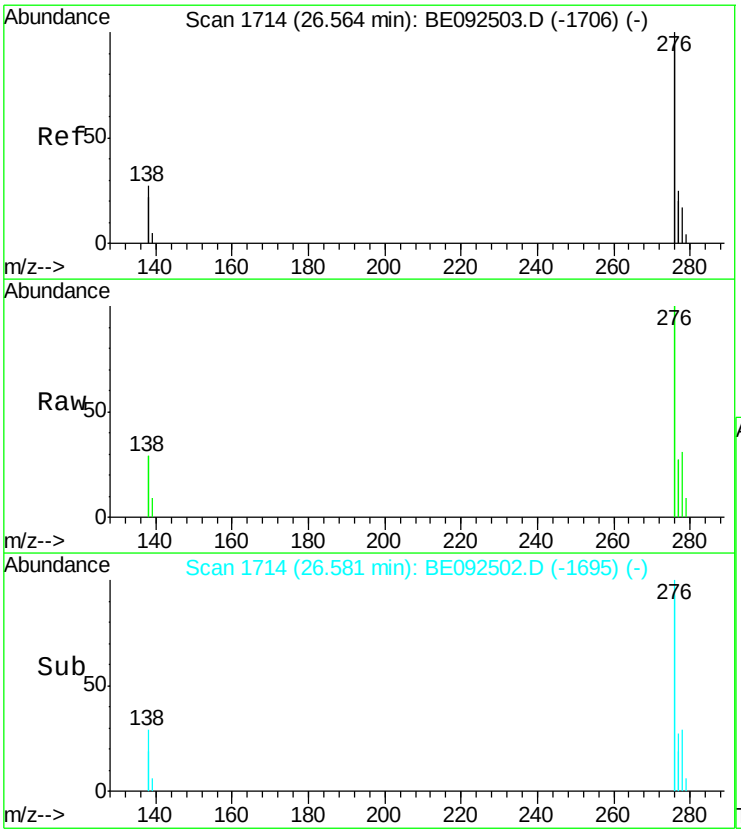
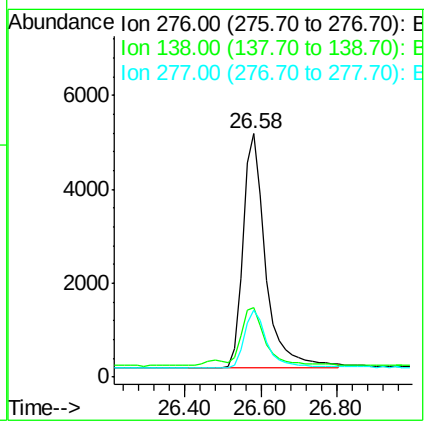


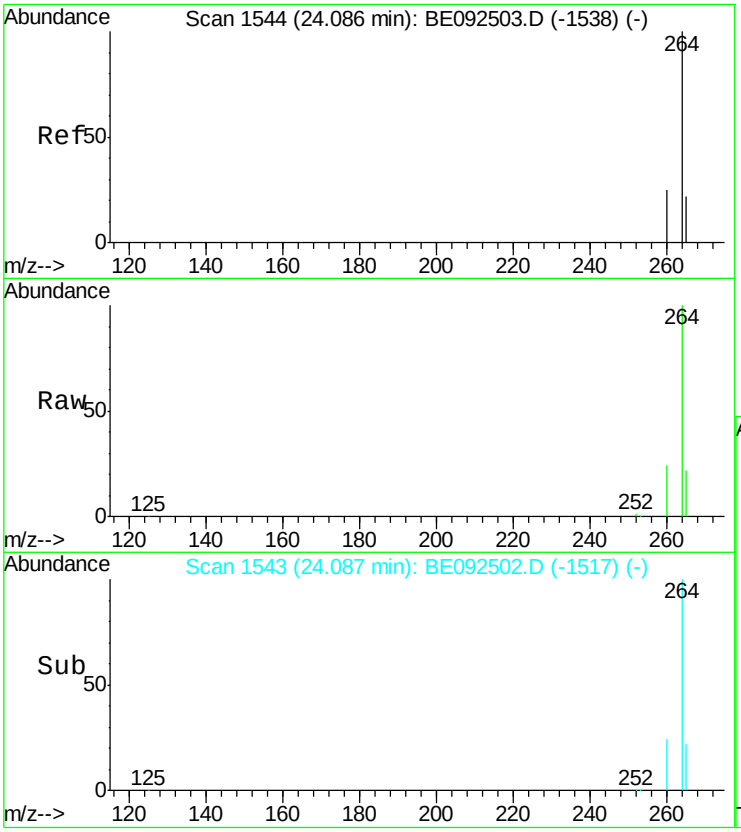


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.27 ng
RT: 26.58 min Scan# 1714
Delta R.T. 0.02 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:276 Resp: 20945

Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.3	30.5
277	24.8	19.7	29.5

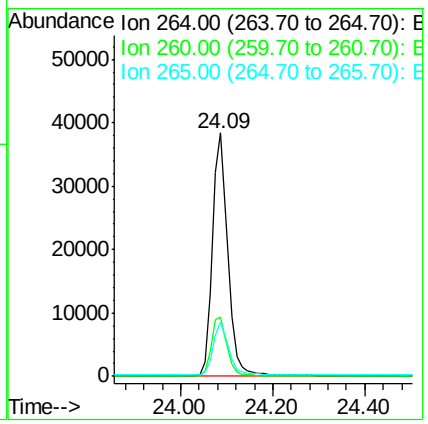




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:264 Resp: 89677

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.1	30.1
265	22.5	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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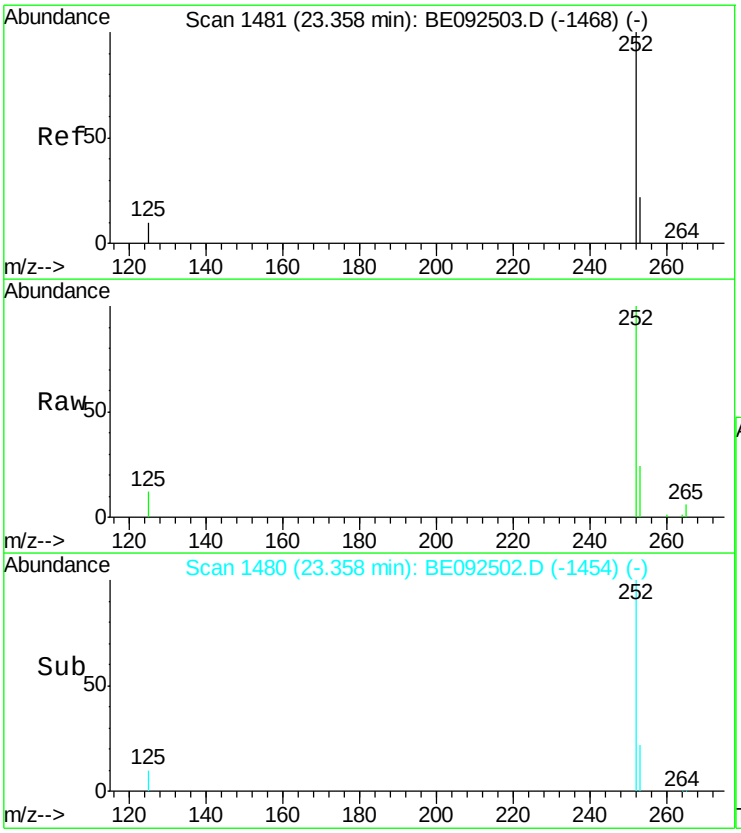
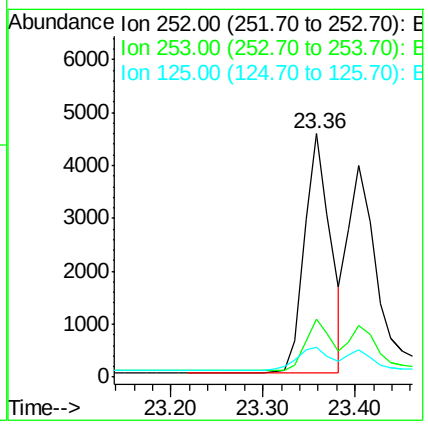
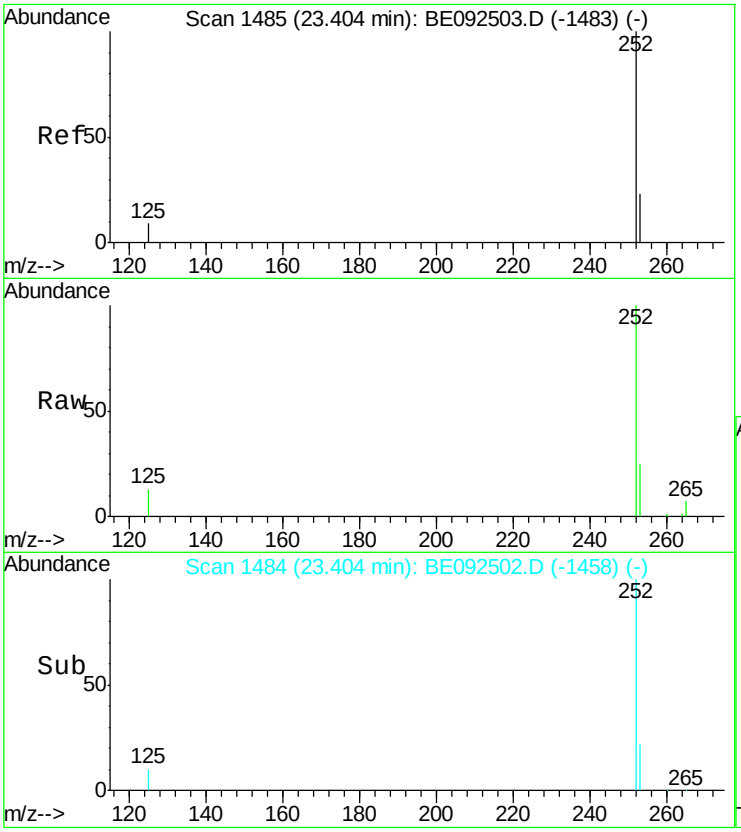


#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.36 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:252 Resp: 8845

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.7	28.1
125	12.4	10.5	15.7

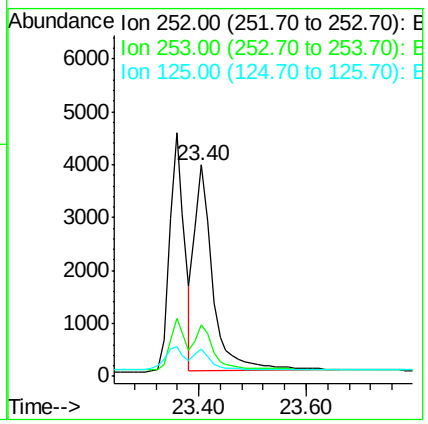




#33
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 23.40 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:252 Resp: 9062

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.3	30.5
125	12.7	9.6	14.4



Instrument :
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ClientSampleId :
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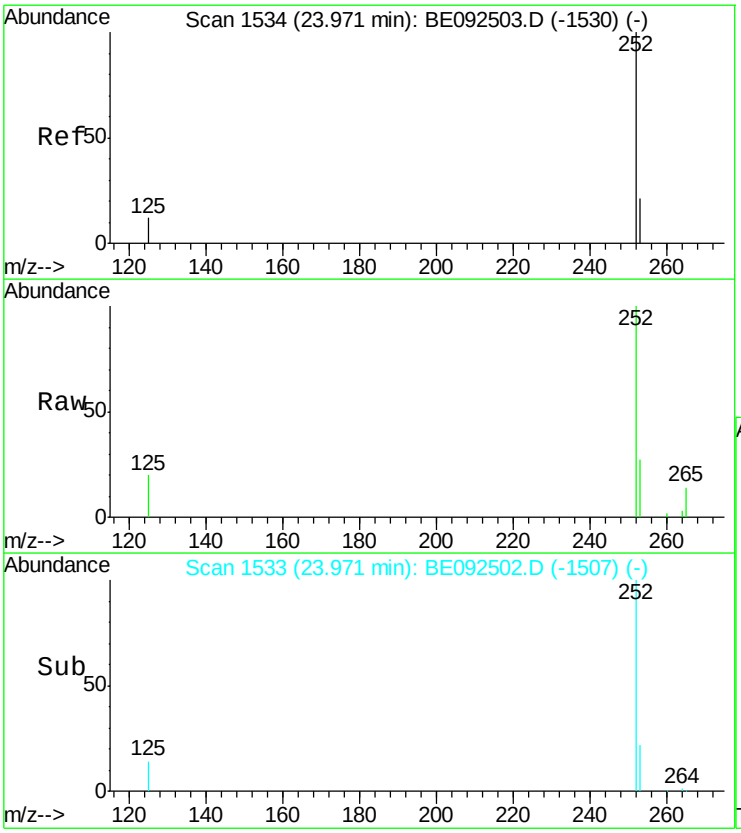
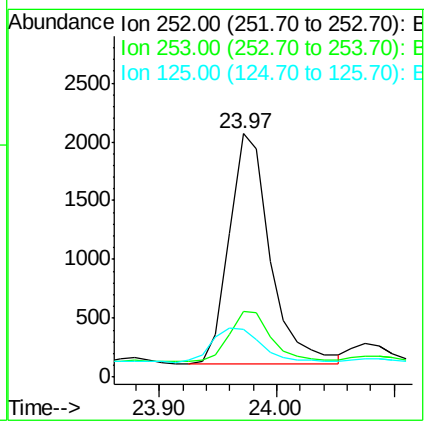
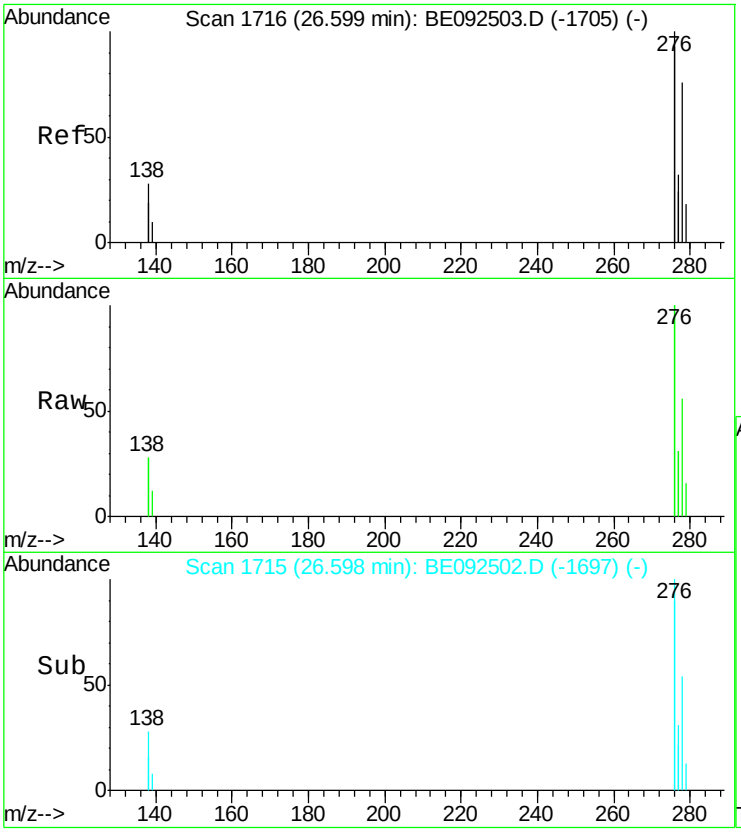


#34
Benzo(a)pyrene
Concen: 0.24 ng
RT: 23.97 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:252 Resp: 4764

Ion	Ratio	Lower	Upper
252	100		
253	26.8	19.0	28.6
125	19.6	11.8	17.8#

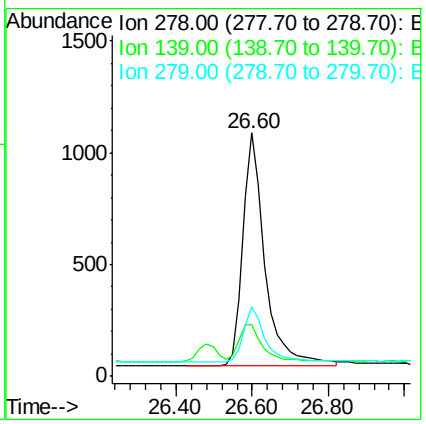




#35
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 26.60 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:278 Resp: 4243

Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.8	20.8#
279	28.3	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.2

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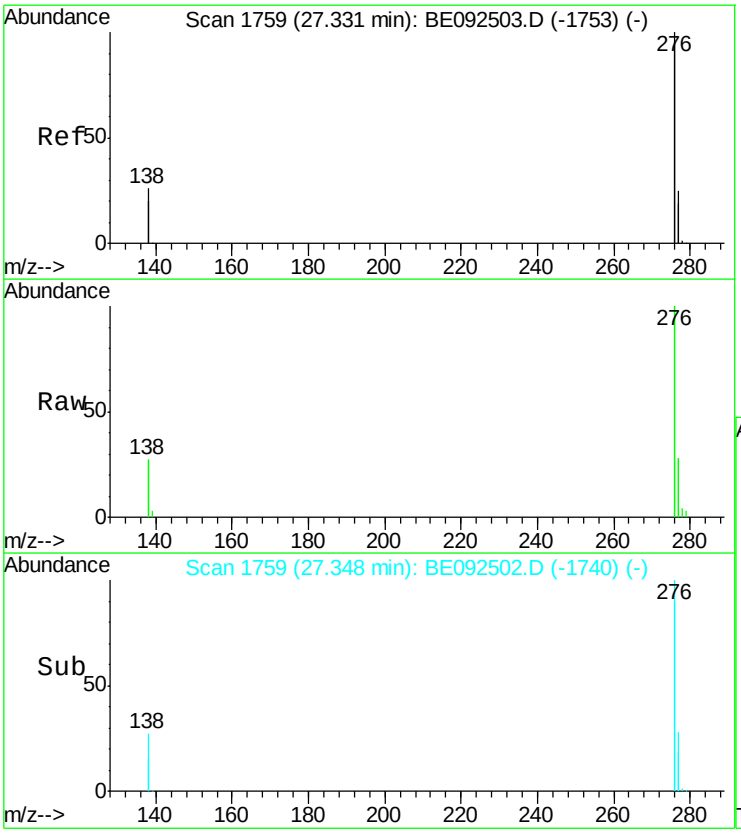

#36
Benzo(g,h,i)perylene
Concen: 0.22 ng
RT: 27.35 min Scan# 1759
Delta R.T. 0.02 min
Lab File: BE092502.D
Acq: 8 Nov 2016 10:54

Tgt Ion:276 Resp: 17531

Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.8	29.8
138	26.8	19.8	29.6