Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022817\
Data File : BE092762.D
Acq On : 28 Feb 2017 14:08
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
mohammad
3/21/2017 12:38:35 PM

Quant Time: Mar 21 10:22:48 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 15 17:05:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	8027	5.00	ng	-0.02
7) Naphthalene-d8	10.87	136	36298	5.00	ng	-0.02
12) Acenaphthene-d10	14.75	164	25677	5.00	ng	-0.02
18) Phenanthrene-d10	17.51	188	62780	5.00	ng	0.00
24) Chrysene-d12	21.68	240	85174	5.00	ng	-0.02
31) Perylene-d12	24.01	264	74485	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.62	112	625	0.40	ng	-0.02
5) Phenol-d6	7.31	99	699	0.36	ng	0.00
8) Nitrobenzene-d5	9.29	82	864m	0.43	ng	-0.02
13) 2,4,6-Tribromophenol	16.26	330	234	0.43	ng	-0.02
14) 2-Fluorobiphenyl	13.39	172	2290	0.37	ng	-0.01
26) Terphenyl-d14	20.12	244	4027	0.37	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.33	88	568	0.52	ng	# 81
3) n-Nitrosodimethylamine	3.71	42	453	0.50	ng	# 91
6) bis(2-Chloroethyl)ether	7.52	93	788	0.37	ng	# 69
9) Naphthalene	10.93	128	3182	0.40	ng	98
10) Hexachlorobutadiene	11.22	225	472	0.41	ng	99
11) 2-Methylnaphthalene	12.58	142	1950	0.40	ng	97
15) Acenaphthylene	14.47	152	14615	0.38	ng	100
16) Acenaphthene	14.82	154	2124	0.38	ng	84
17) Fluorene	15.81	166	3027	0.42	ng	98
19) Hexachlorobenzene	16.82	284	879	0.36	ng	93
20) Pentachlorophenol	17.21	266	158m	0.47	ng	
21) Phenanthrene	17.56	178	5478	0.37	ng	96
22) Anthracene	17.65	178	5480	0.40	ng	99
23) Fluoranthene	19.54	202	27376	0.43	ng	98
25) Pyrene	19.92	202	29706	0.37	ng	100
27) Benzo(a)anthracene	21.66	228	30753m	0.37	ng	
28) Chrysene	21.72	228	32153m	0.33	ng	
29) Bis(2-ethylhexyl)phthalate	21.59	149	2328	0.26	ng	# 70
30) Indeno(1,2,3-cd)pyrene	26.46	276	31038	0.33	ng	98
32) Benzo(b)fluoranthene	23.29	252	7189	0.40	ng	99
33) Benzo(k)fluoranthene	23.34	252	8045	0.39	ng	96
34) Benzo(a)pyrene	23.90	252	6752	0.35	ng	99
35) Dibenzo(a,h)anthracene	26.50	278	6480	0.35	ng	97
36) Benzo(g,h,i)perylene	27.21	276	28006	0.36	ng	98

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

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ClientSampleId :
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Manual Integrations APPROVED
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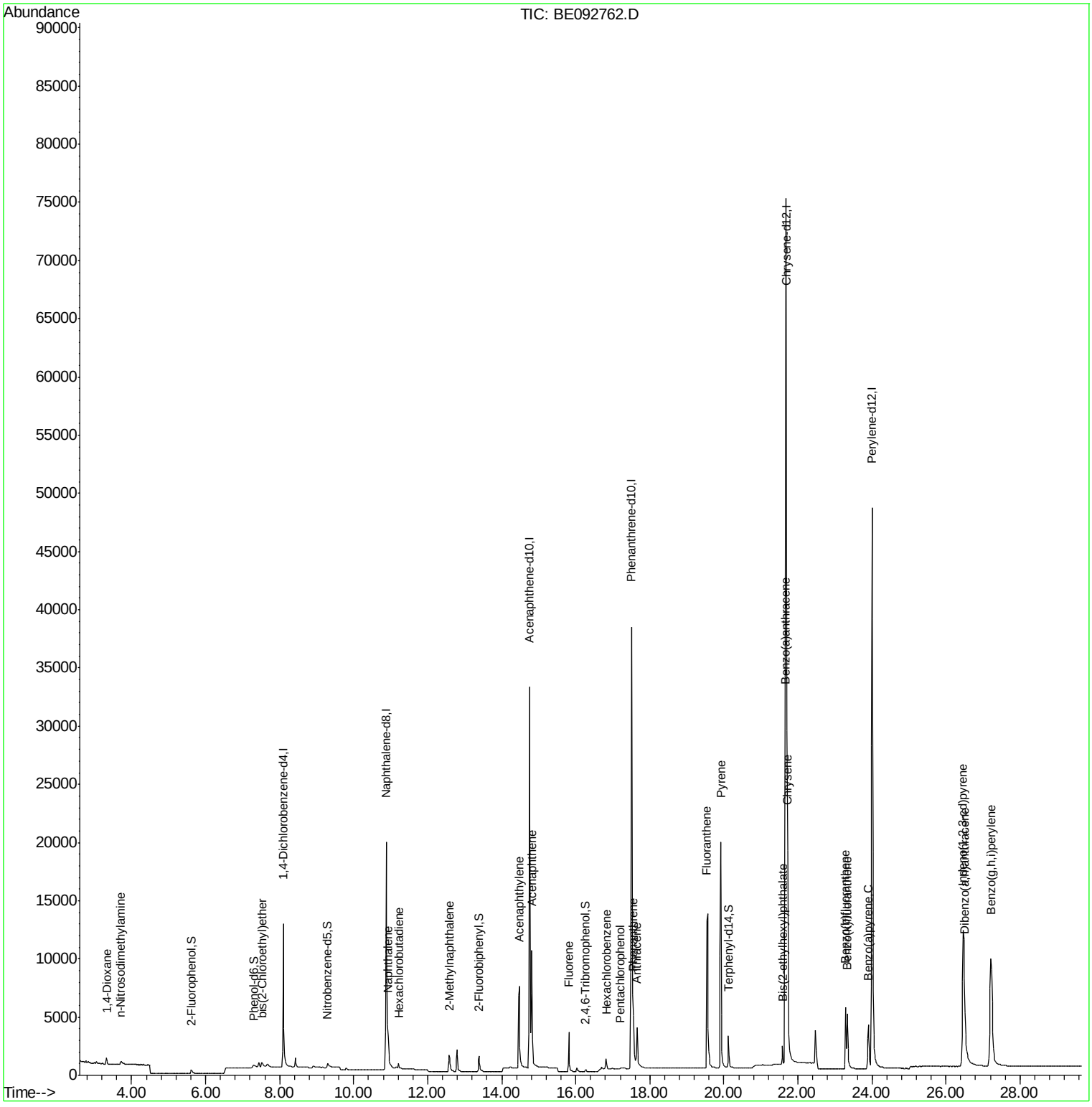
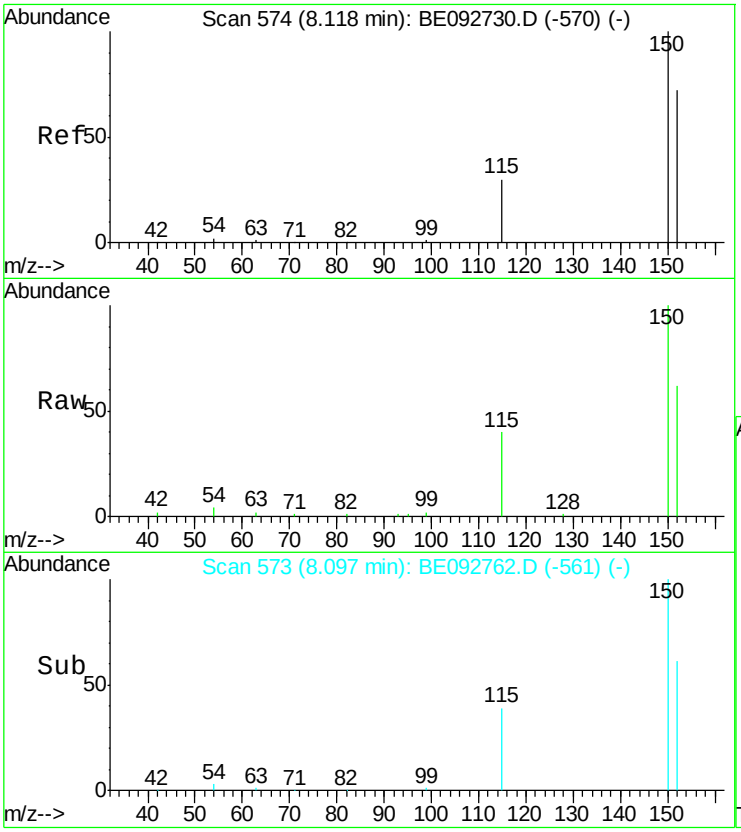
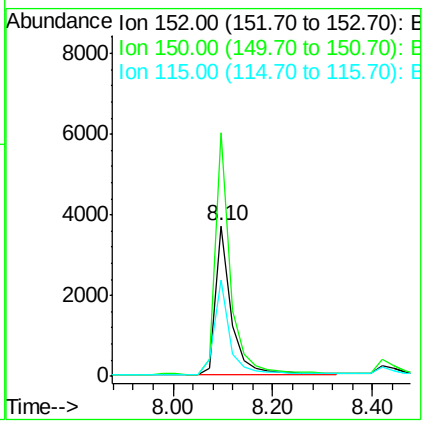




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.10 min Scan# 573
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:152 Resp: 8027

Ion	Ratio	Lower	Upper
152	100		
150	161.9	106.0	159.0#
115	64.1	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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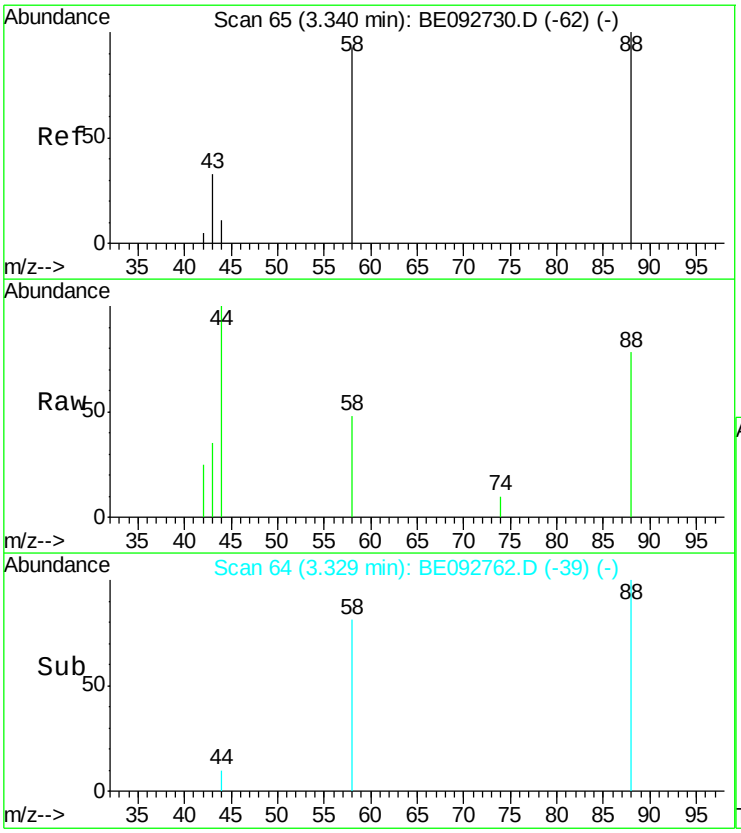
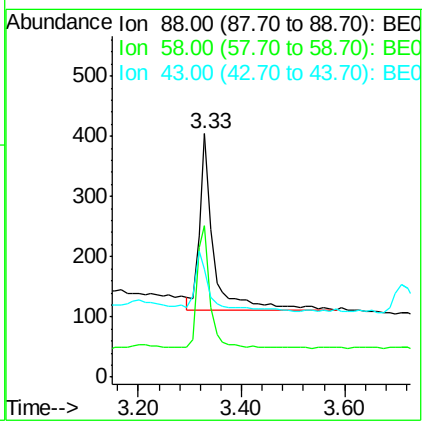
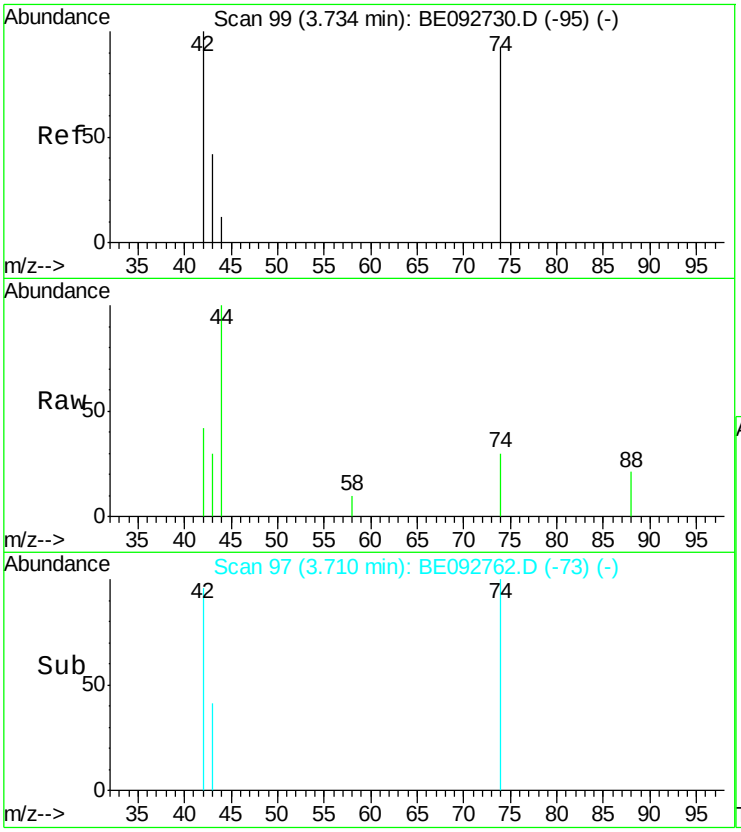


#2
1,4-Dioxane
Concen: 0.52 ng
RT: 3.33 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion: 88 Resp: 568

Ion	Ratio	Lower	Upper
88	100		
58	61.3	63.6	95.4#
43	25.4	28.0	42.0#

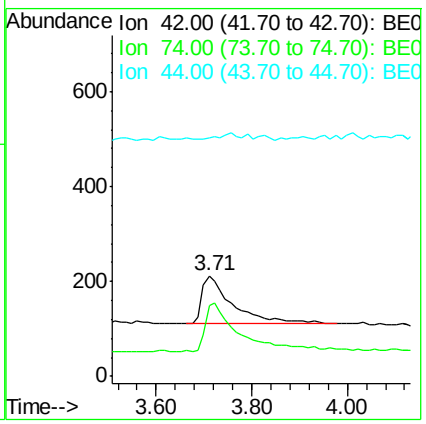




#3
n-Nitrosodimethylamine
Concen: 0.50 ng
RT: 3.71 min Scan# 97
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion: 42 Resp: 453

Ion	Ratio	Lower	Upper
42	100		
74	115.9	86.0	129.0
44	0.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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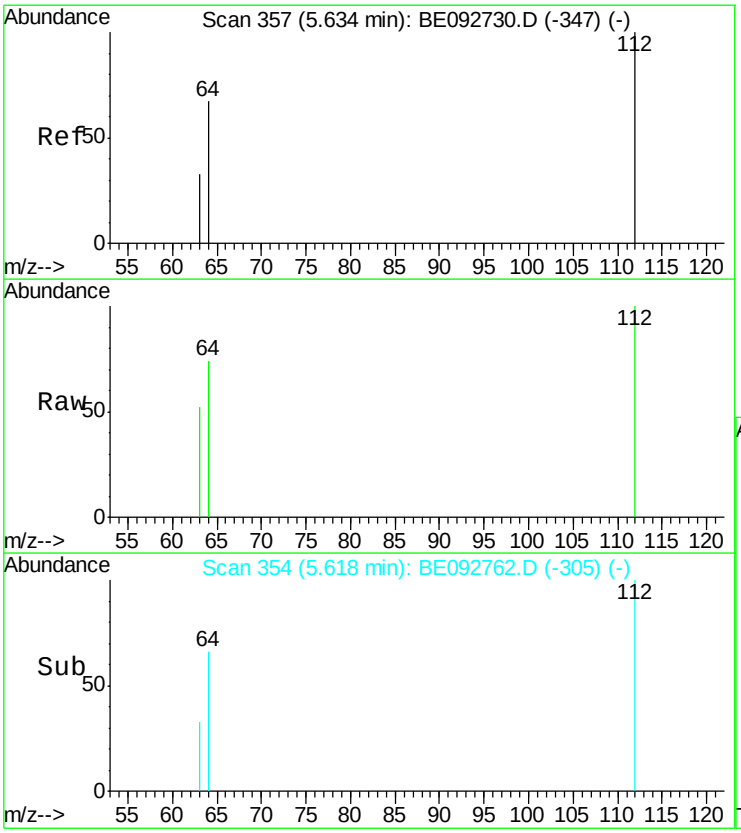
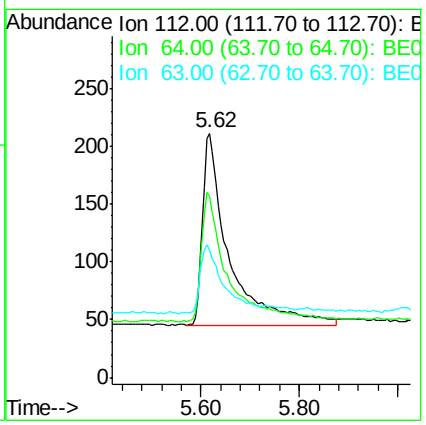
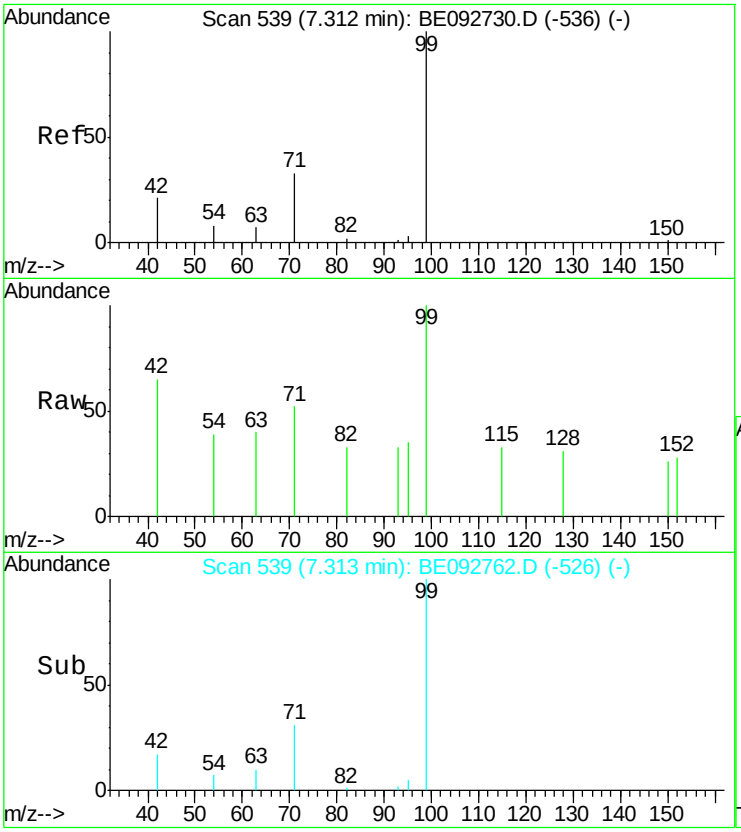


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.62 min Scan# 354
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:112 Resp: 625

Ion	Ratio	Lower	Upper
112	100		
64	68.2	53.5	80.3
63	33.9	27.9	41.9

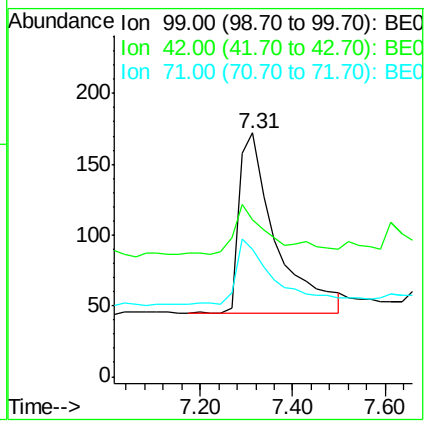




#5
Phenol-d6
Concen: 0.36 ng
RT: 7.31 min Scan# 539
Delta R.T. 0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion: 99 Resp: 699

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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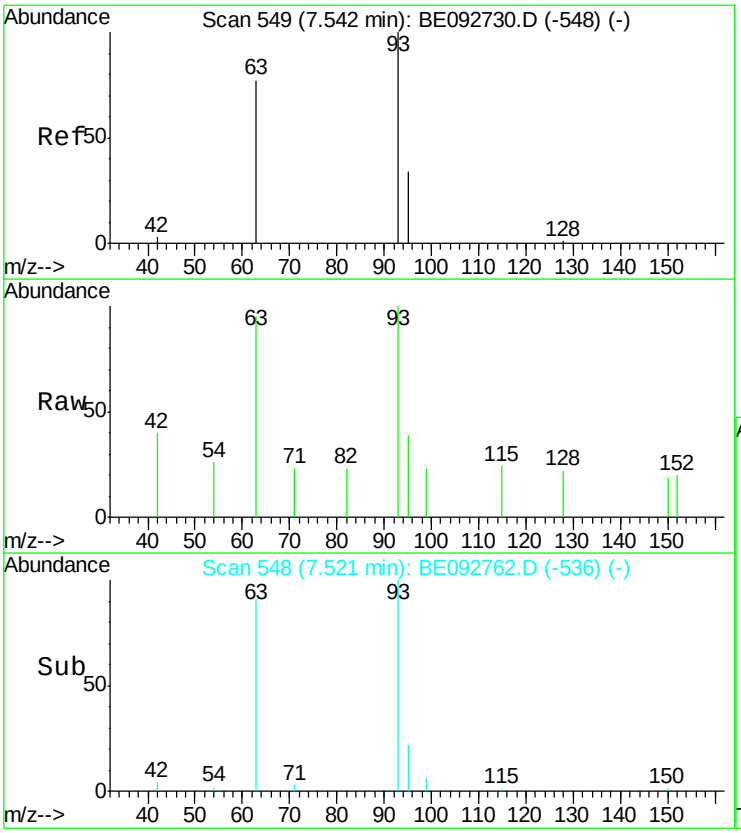
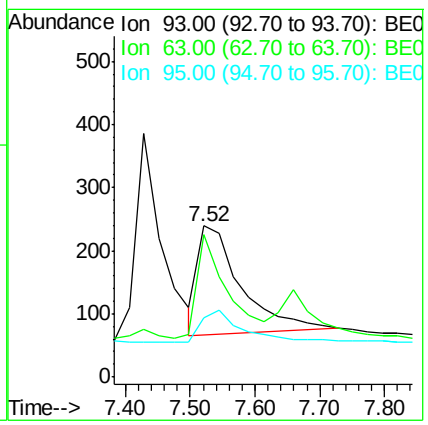
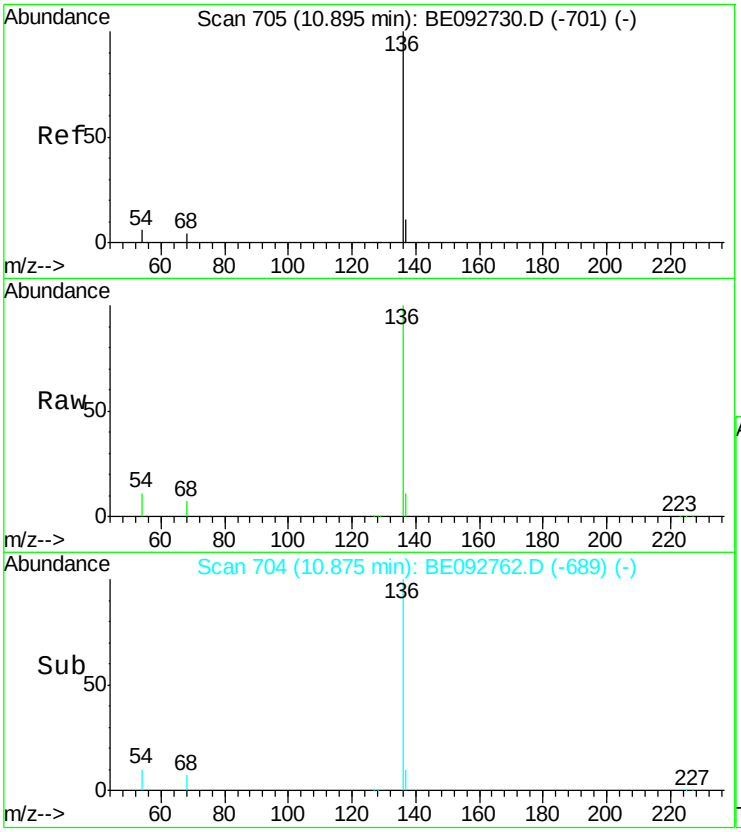


#6
bis(2-Chloroethyl)ether
Concen: 0.37 ng
RT: 7.52 min Scan# 548
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion: 93 Resp: 788

Ion	Ratio	Lower	Upper
93	100		
63	68.5	71.6	107.4#
95	0.0	24.0	36.0#

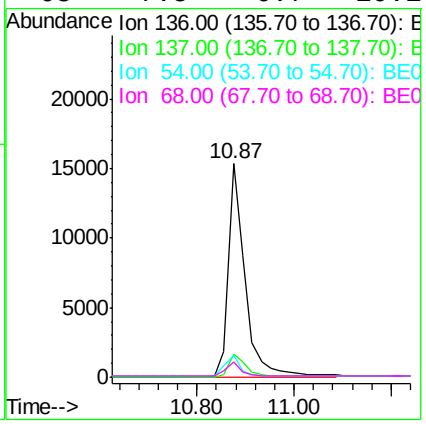




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.87 min Scan# 704
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:136 Resp: 36298

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	10.5	9.6	14.4
68	7.5	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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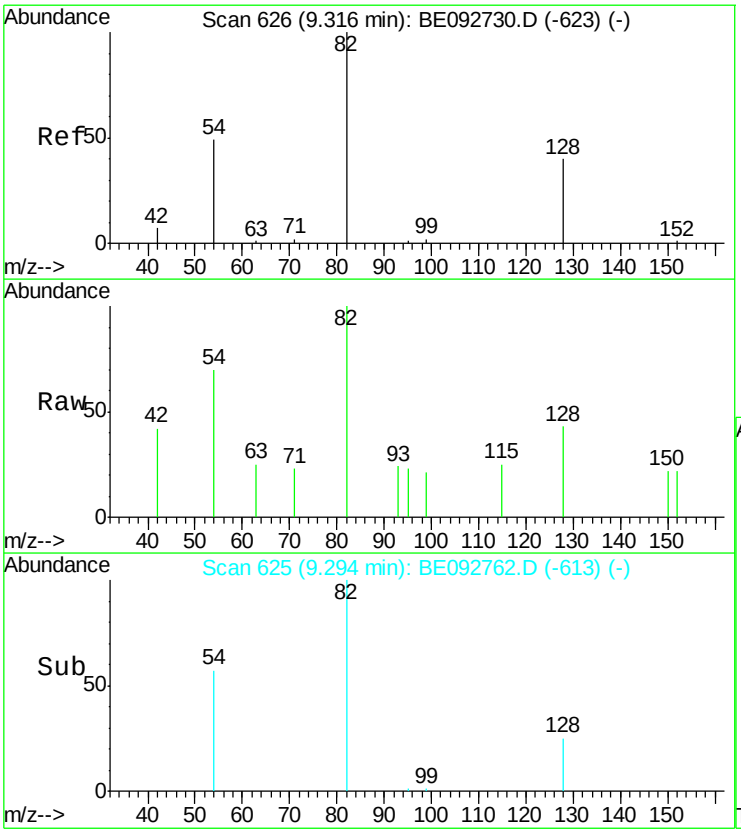
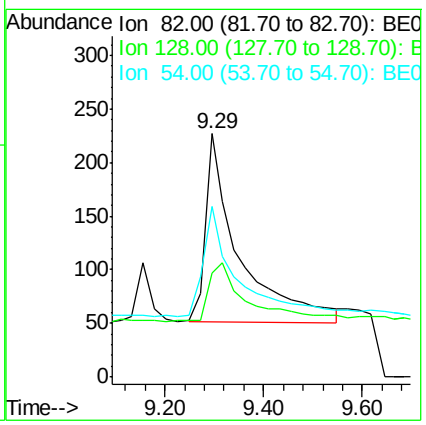
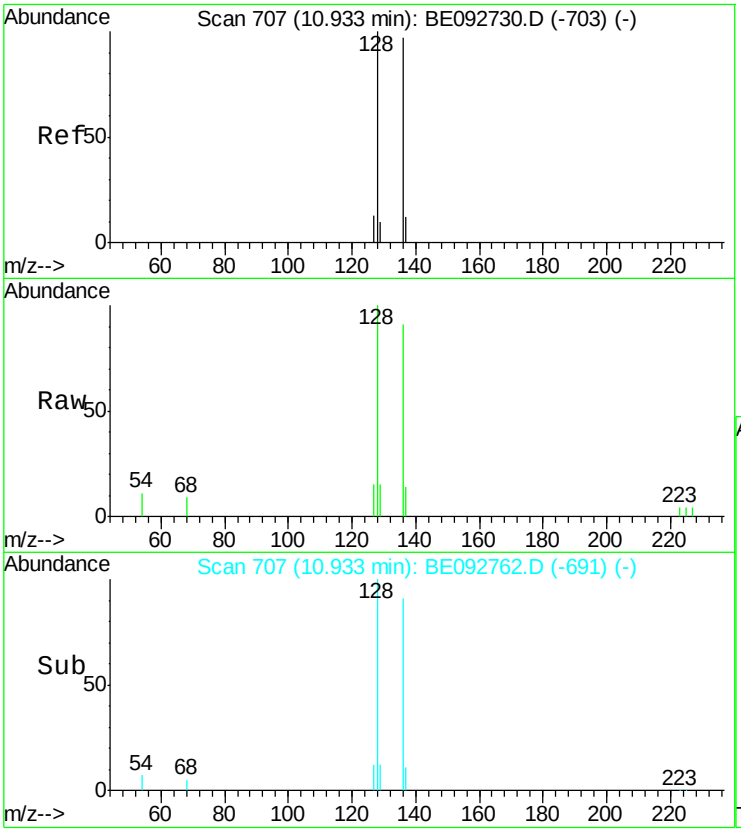


#8
Nitrobenzene-d5
Concen: 0.43 ng m
RT: 9.29 min Scan# 625
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion: 82 Resp: 864

Ion	Ratio	Lower	Upper
82	100		
128	42.7	39.0	58.4
54	70.0	44.8	67.2#

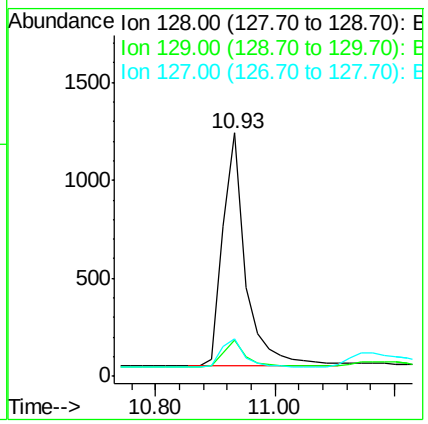




#9
Naphthalene
Concen: 0.40 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:128 Resp: 3182

Ion	Ratio	Lower	Upper
128	100		
129	15.1	11.2	16.8
127	15.3	11.6	17.4



Instrument :
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ClientSampleId :
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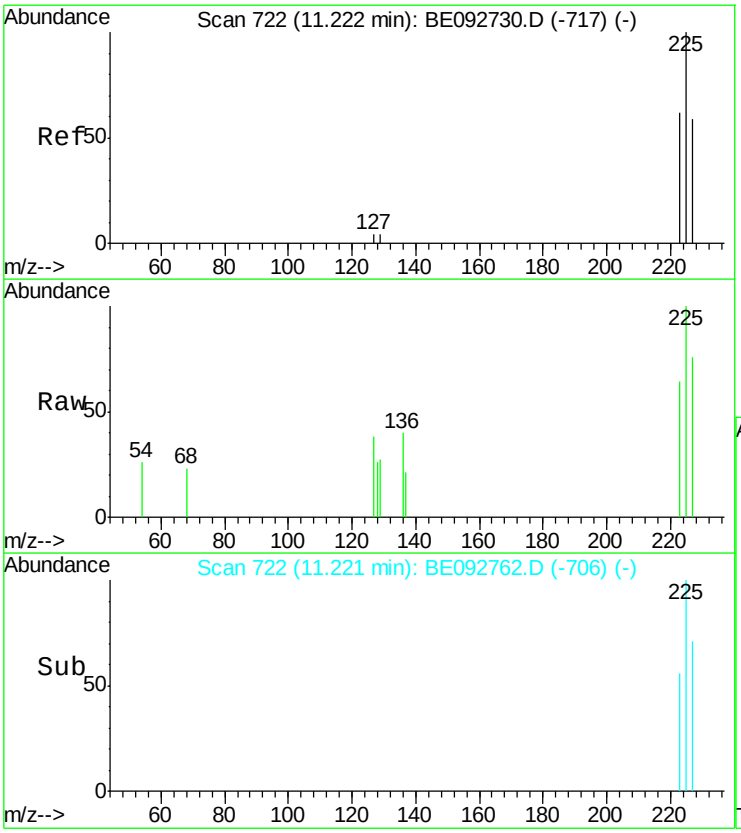
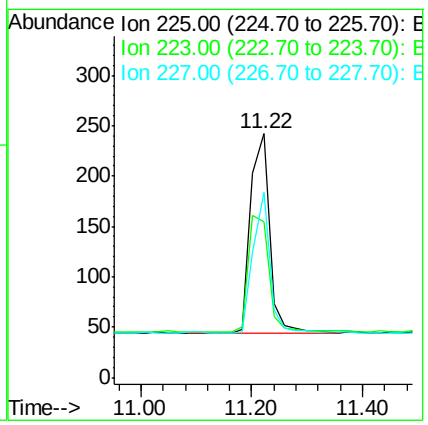
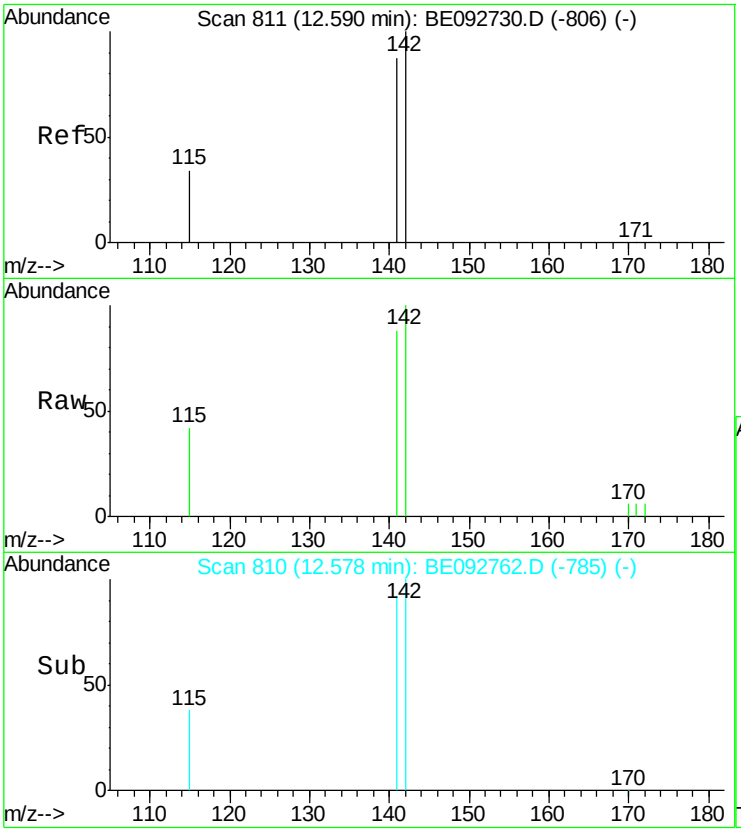


#10
Hexachlorobutadiene
Concen: 0.41 ng
RT: 11.22 min Scan# 722
Delta R.T. -0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:225 Resp: 472

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	62.7	51.4	77.0

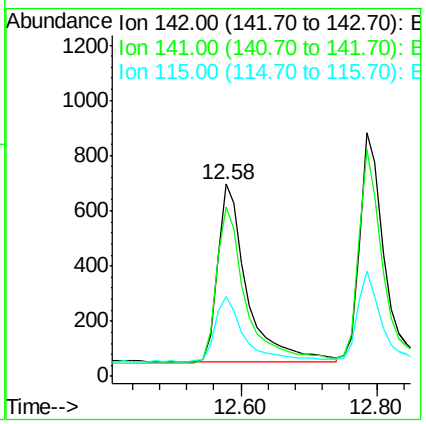




#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.58 min Scan# 810
Delta R.T. -0.01 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:142 Resp: 1950

Ion	Ratio	Lower	Upper
142	100		
141	88.4	73.7	110.5
115	41.5	34.0	51.0



Instrument :
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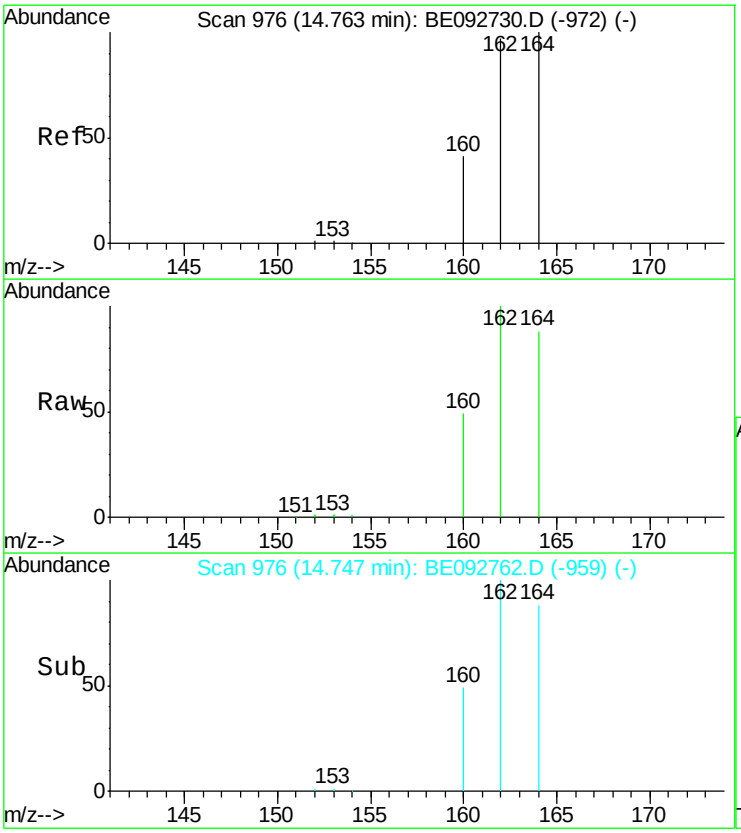
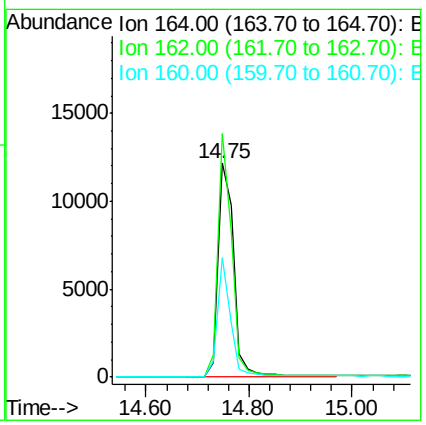
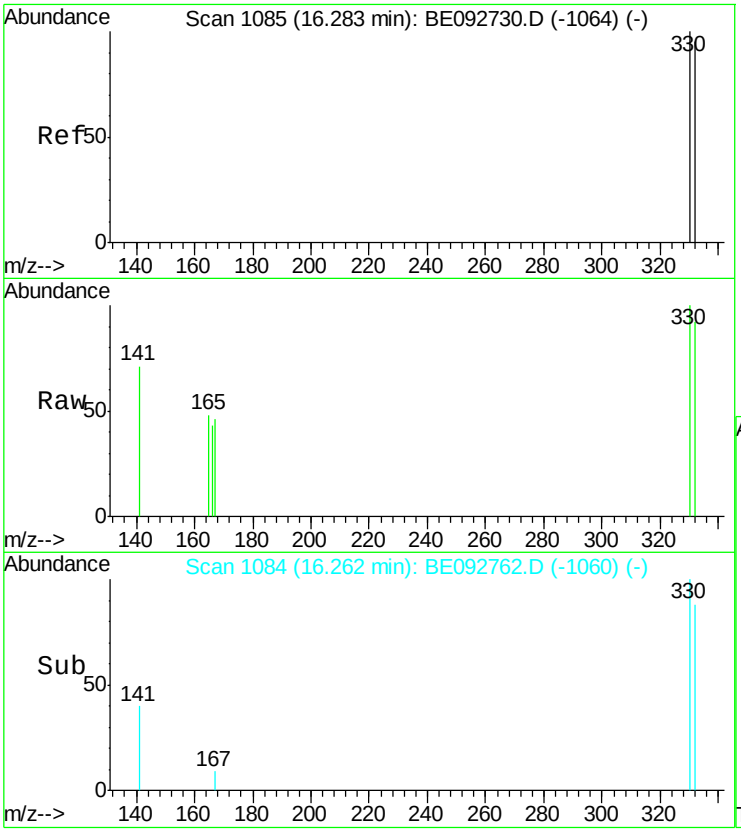


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.75 min Scan# 976
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:164 Resp: 25677

Ion	Ratio	Lower	Upper
164	100		
162	113.7	71.4	107.0#
160	55.5	27.4	41.2#

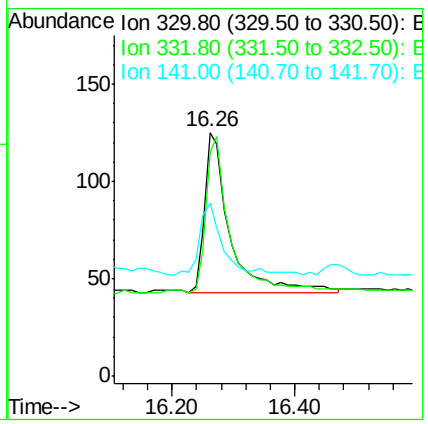




#13
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 16.26 min Scan# 1084
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:330 Resp: 234

Ion	Ratio	Lower	Upper
330	100		
332	92.7	75.4	113.0
141	40.6	31.0	46.6



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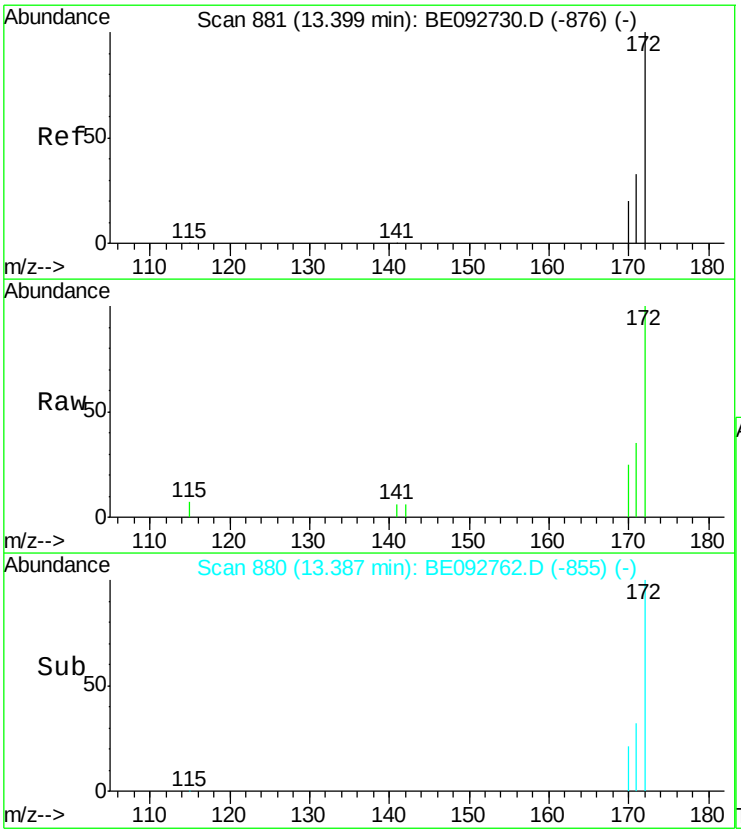
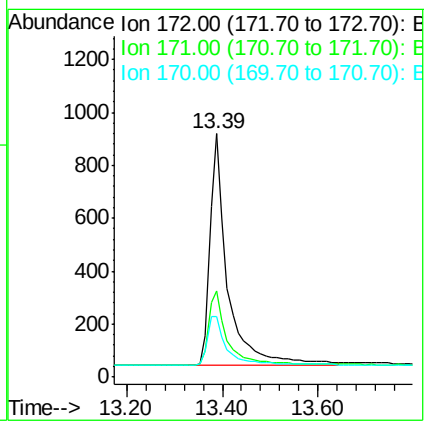
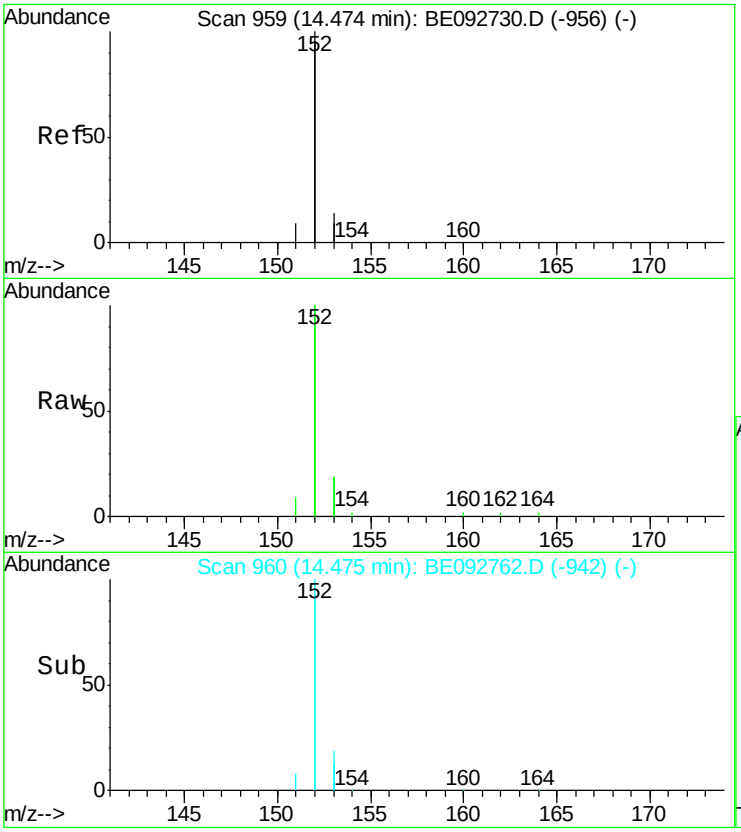


#14
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.39 min Scan# 880
Delta R.T. -0.01 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:172 Resp: 2290

Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.1	45.1
170	25.0	21.8	32.6

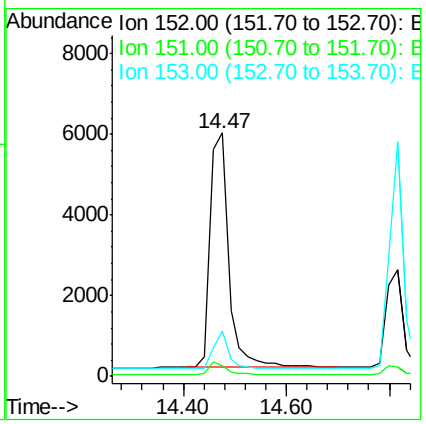




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.47 min Scan# 960
Delta R.T. 0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:152 Resp: 14615

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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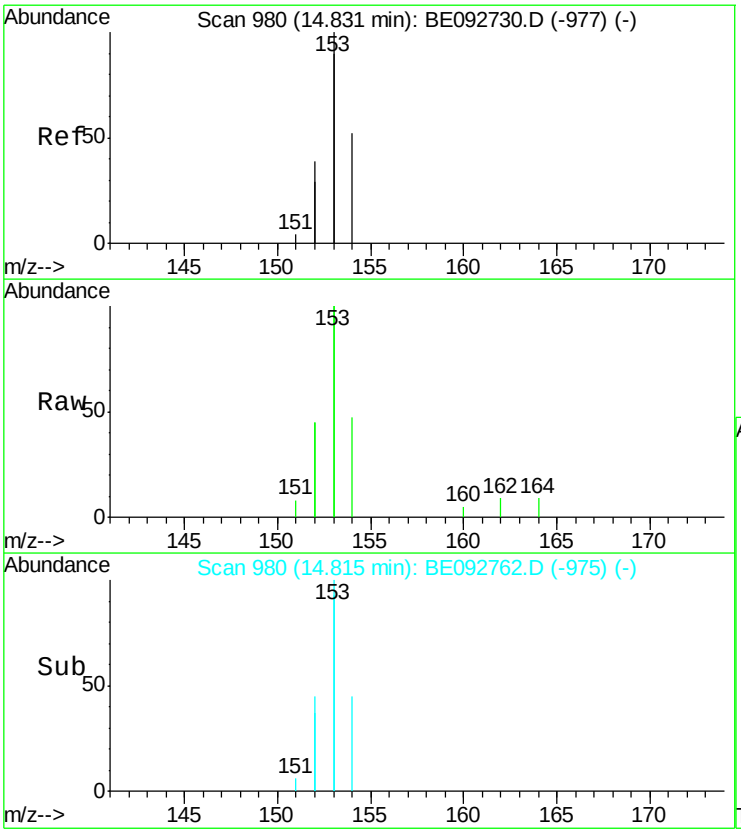
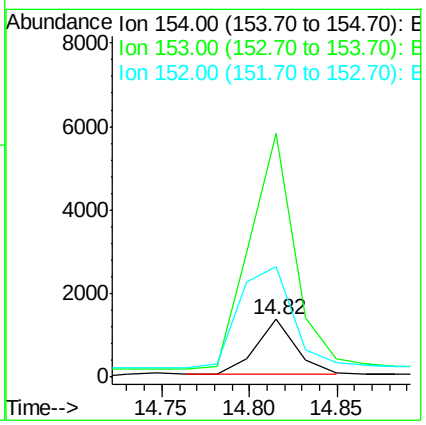
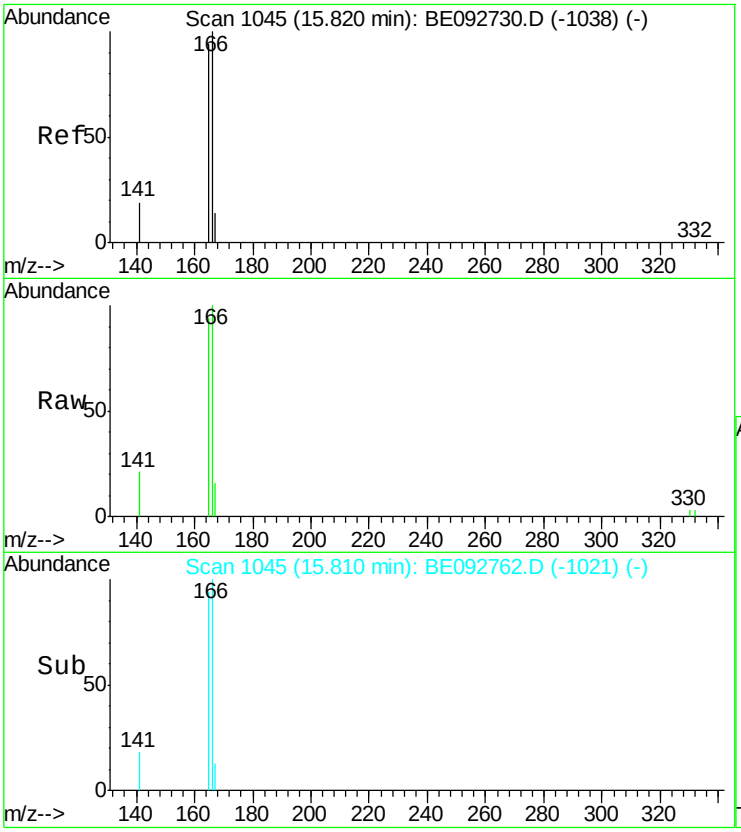


#16
Acenaphthene
Concen: 0.38 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:154 Resp: 2124

Ion	Ratio	Lower	Upper
154	100		
153	477.2	350.8	526.2
152	243.5	171.1	256.7





#17
Fluorene
Concen: 0.42 ng
RT: 15.81 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:166 Resp: 3027

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.2	117.4
167	13.1	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
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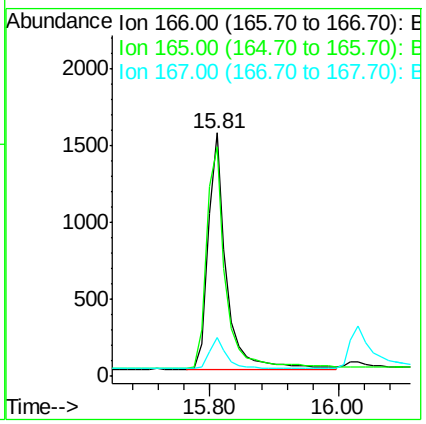
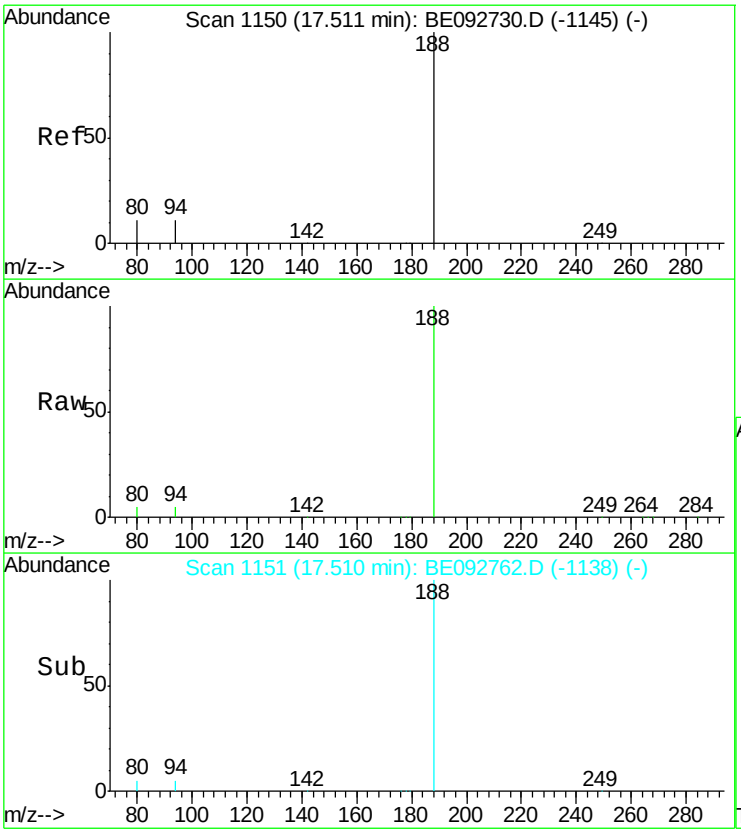
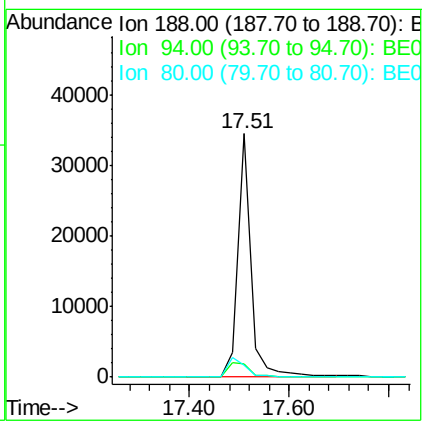


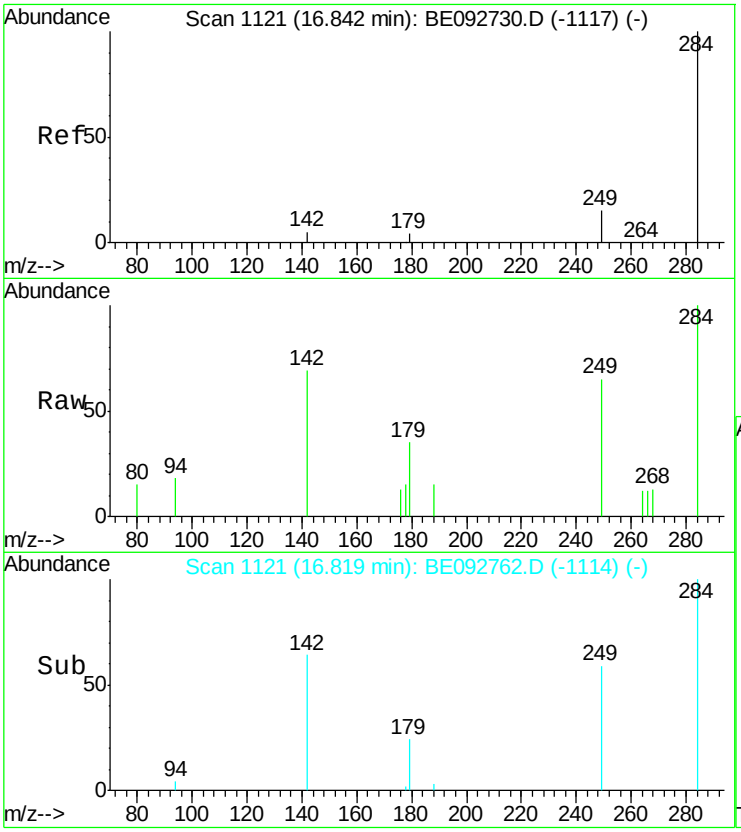


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:188 Resp: 62780

Ion	Ratio	Lower	Upper
188	100		
94	5.4	3.2	4.8#
80	4.9	2.6	3.8#

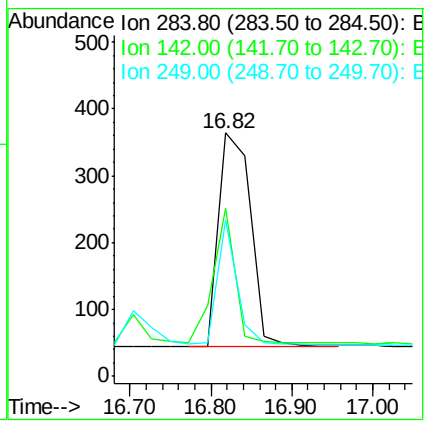




#19
Hexachlorobenzene
Concen: 0.36 ng
RT: 16.82 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:284 Resp: 879

Ion	Ratio	Lower	Upper
284	100		
142	42.3	29.1	43.7
249	37.1	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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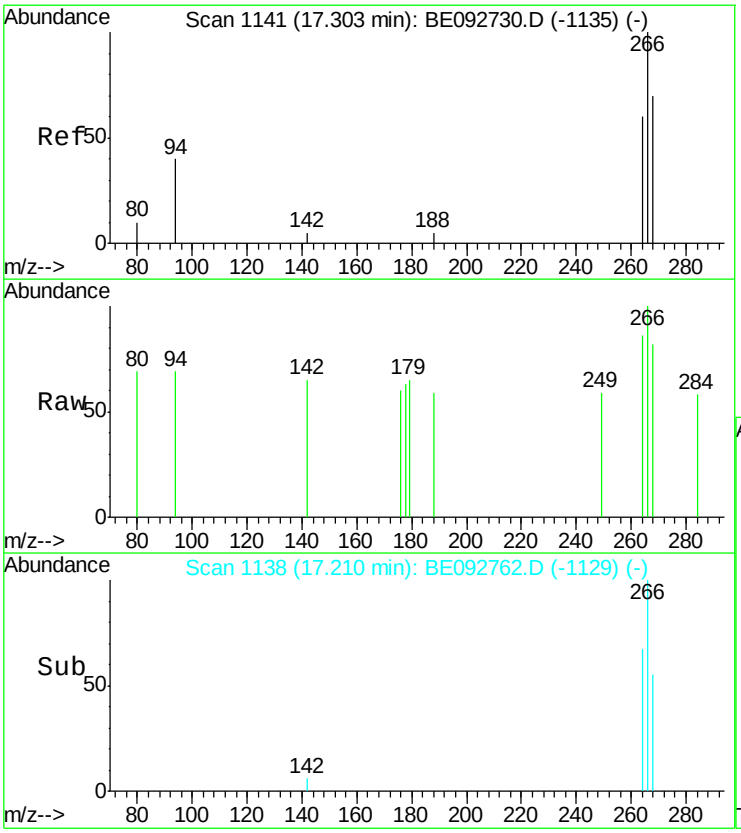
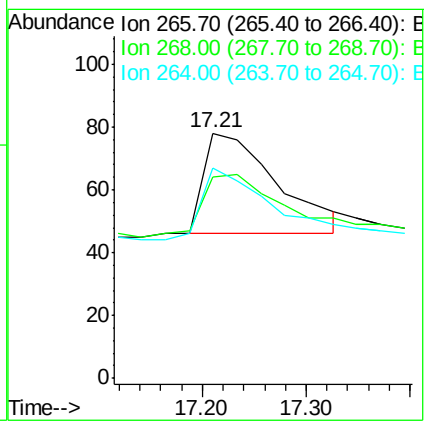
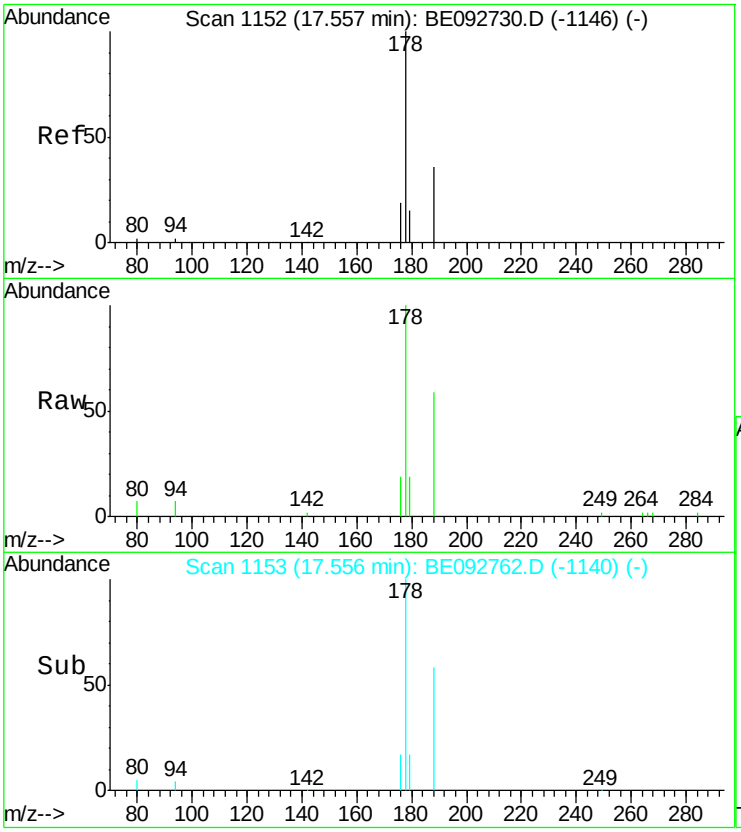


#20
Pentachlorophenol
Concen: 0.47 ng m
RT: 17.21 min Scan# 1138
Delta R.T. -0.09 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:266 Resp: 158

Ion	Ratio	Lower	Upper
266	100		
268	82.1	62.5	93.7
264	85.9	57.2	85.8#

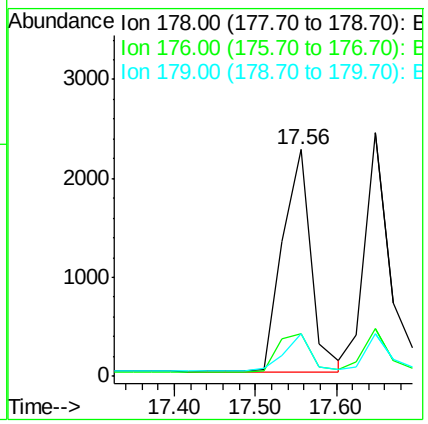




#21
Phenanthrene
Concen: 0.37 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:178 Resp: 5478

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.4	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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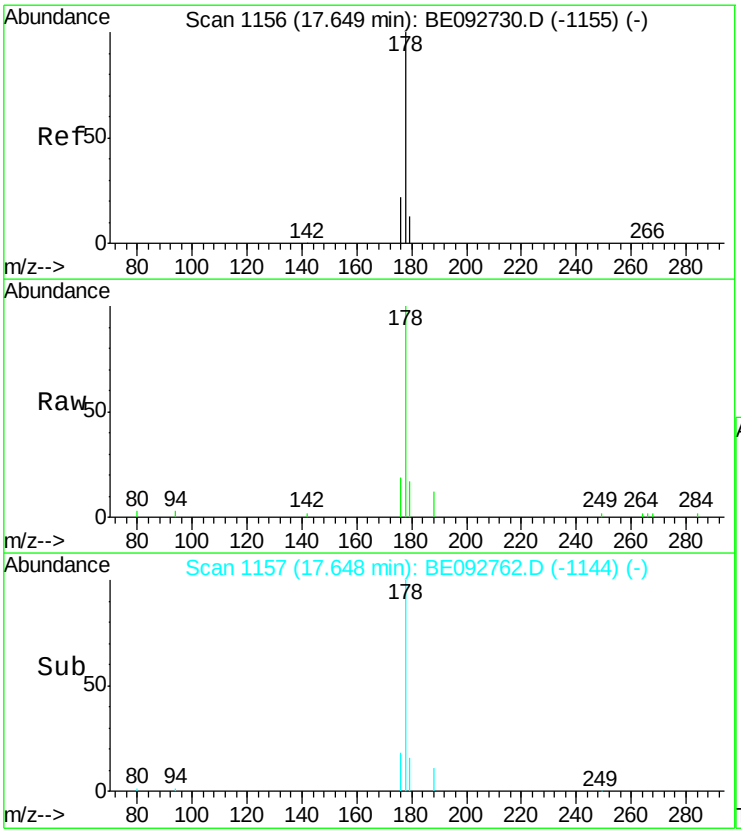
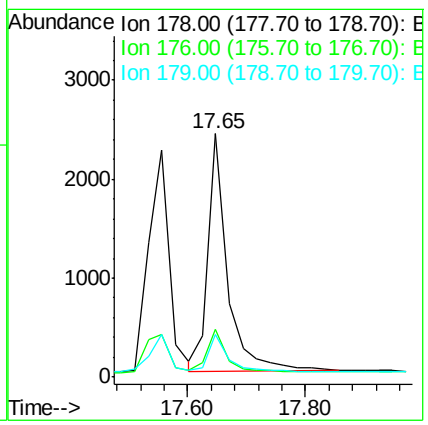
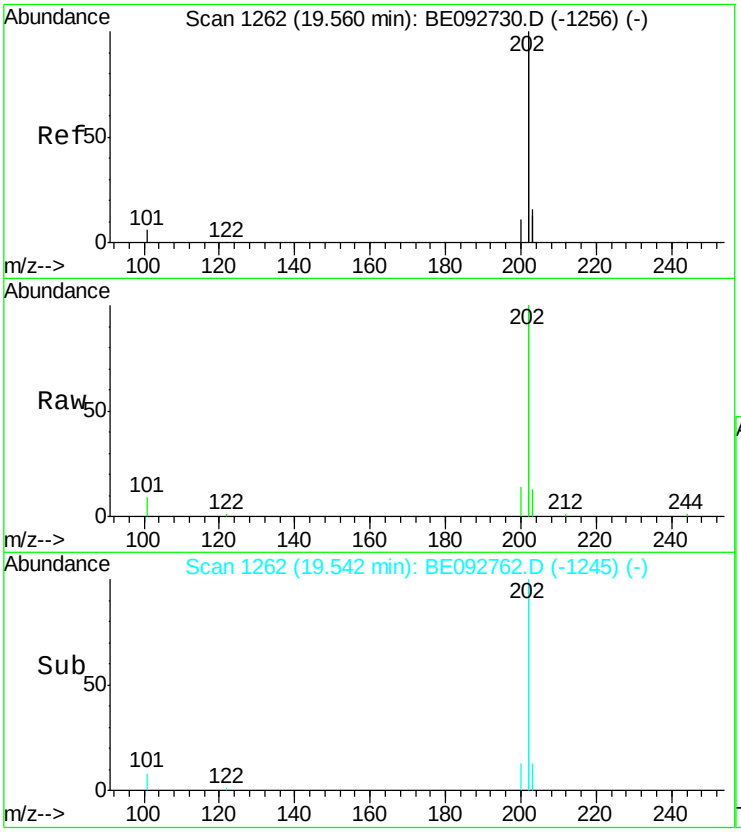


#22
Anthracene
Concen: 0.40 ng
RT: 17.65 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:178 Resp: 5480

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.7	12.2	18.2

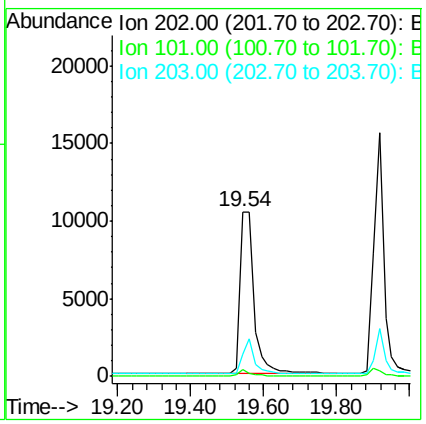




#23
Fluoranthene
Concen: 0.43 ng
RT: 19.54 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:202 Resp: 27376

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.8	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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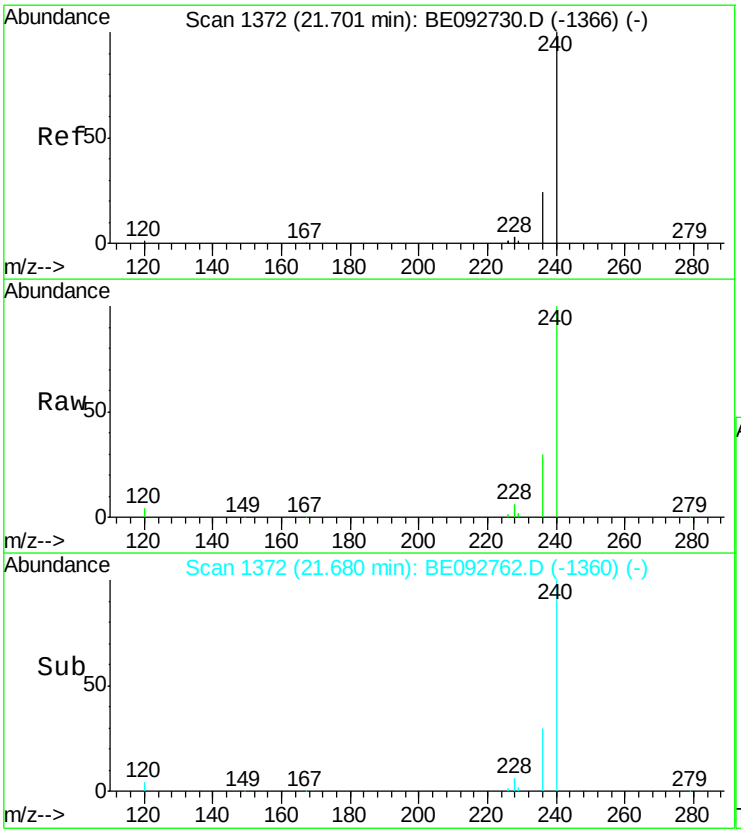
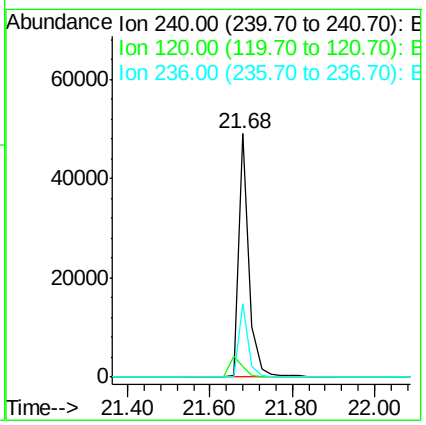
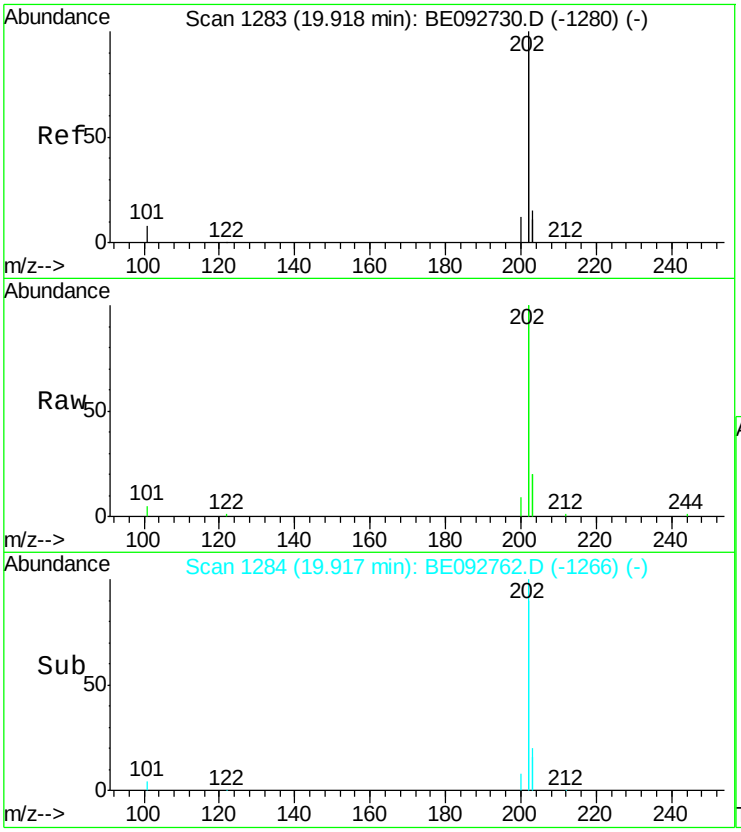


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:240 Resp: 85174

Ion	Ratio	Lower	Upper
240	100		
120	4.5	2.6	4.0#
236	30.0	24.6	37.0





#25
Pyrene
Concen: 0.37 ng
RT: 19.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:202 Resp: 29706

Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	17.4	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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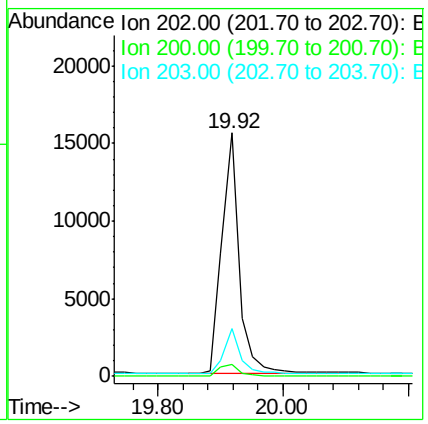
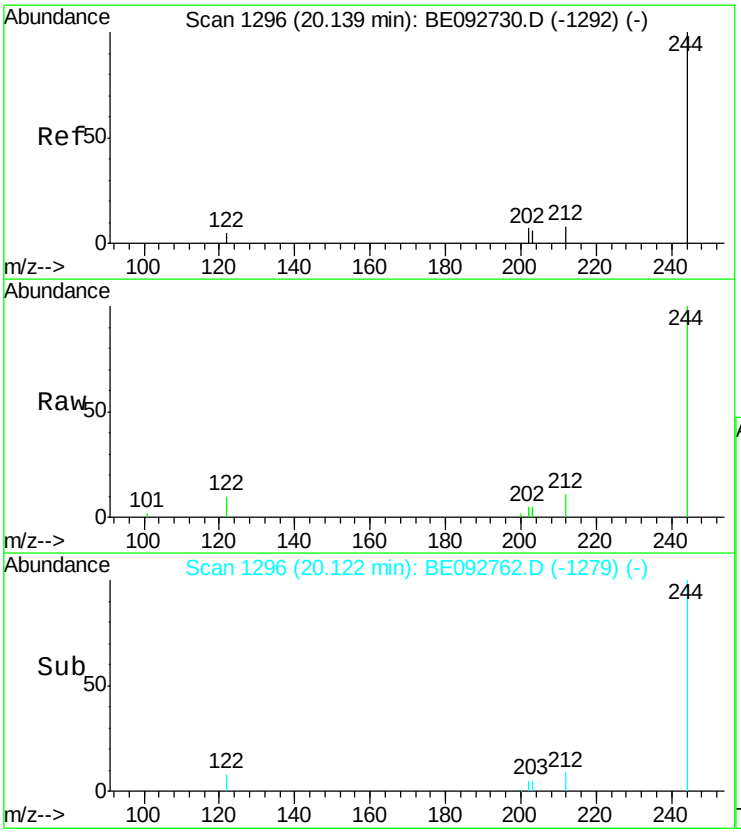
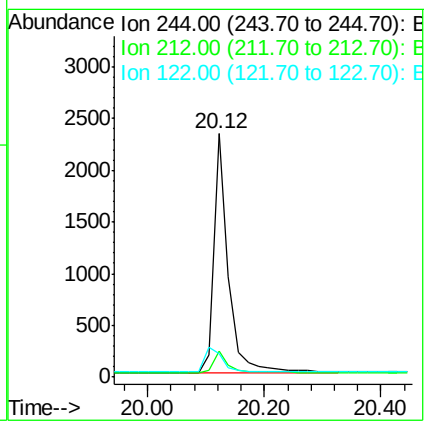


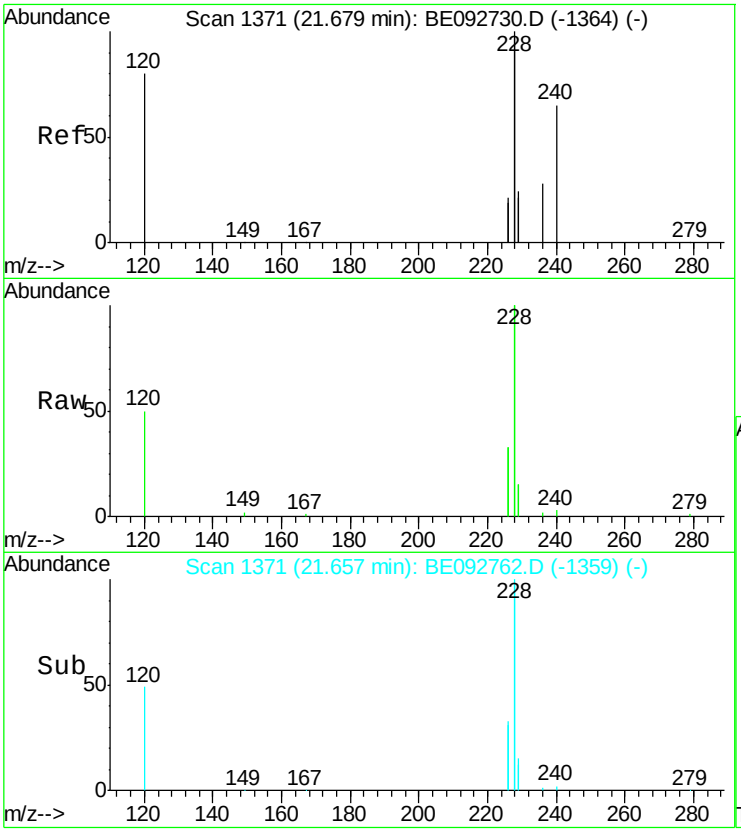


#26
Terphenyl-d14
Concen: 0.37 ng
RT: 20.12 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:244 Resp: 4027

Ion	Ratio	Lower	Upper
244	100		
212	10.6	6.7	10.1#
122	9.7	3.6	5.4#

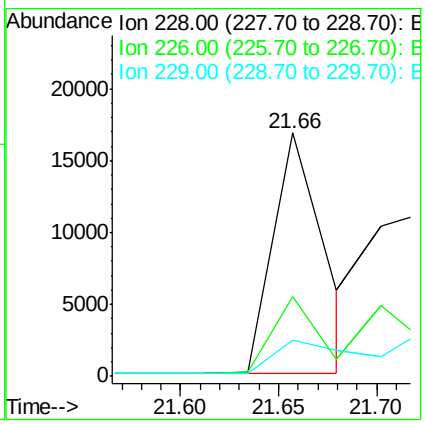




#27
Benzo(a)anthracene
Concen: 0.37 ng m
RT: 21.66 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:228 Resp: 30753

Ion	Ratio	Lower	Upper
228	100		
226	32.9	23.6	35.4
229	14.7	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
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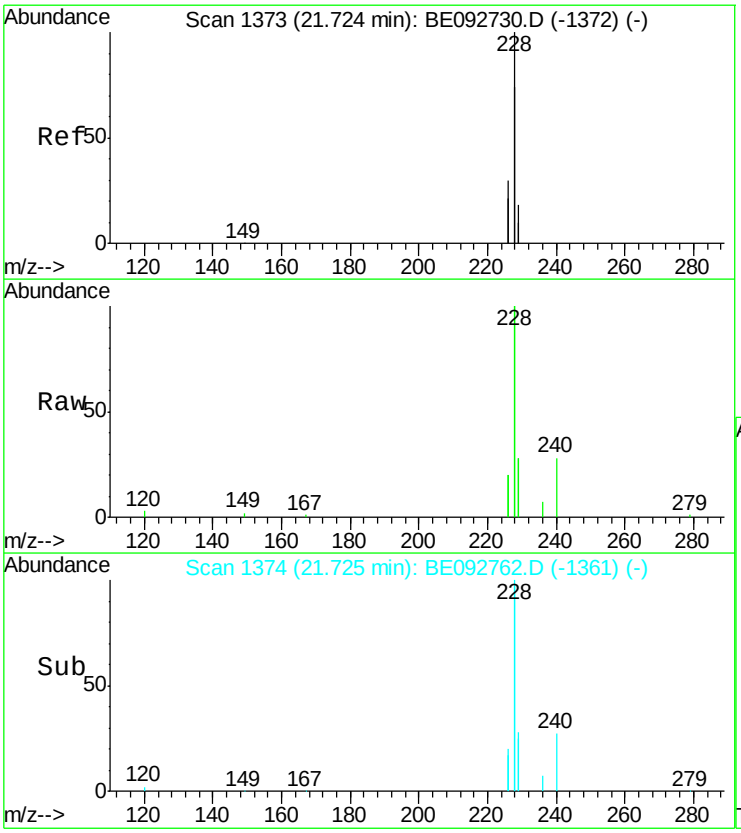
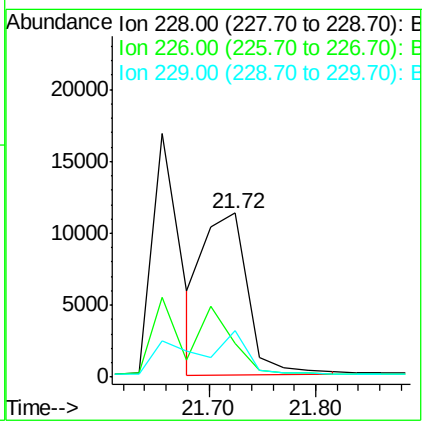
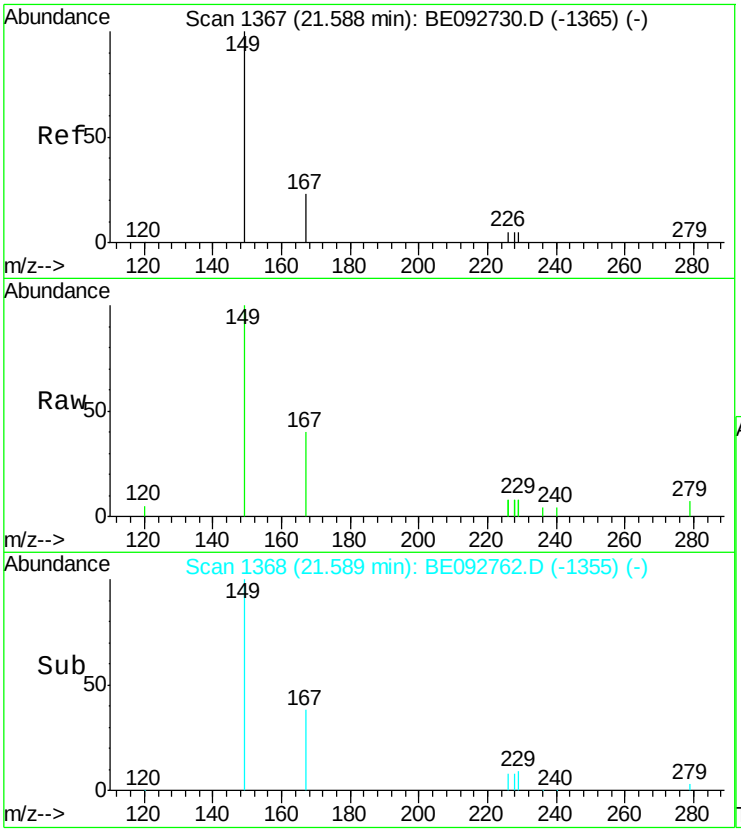


#28
Chrysene
Concen: 0.33 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:228 Resp: 32153

Ion	Ratio	Lower	Upper
228	100		
226	20.5	36.3	54.5#
229	28.1	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.26 ng
RT: 21.59 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:149 Resp: 2328

Ion	Ratio	Lower	Upper
149	100		
167	30.3	16.0	24.0#
279	3.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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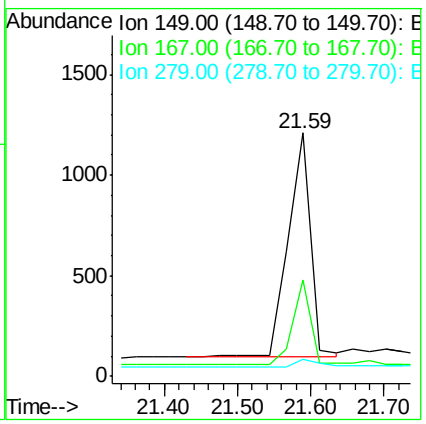
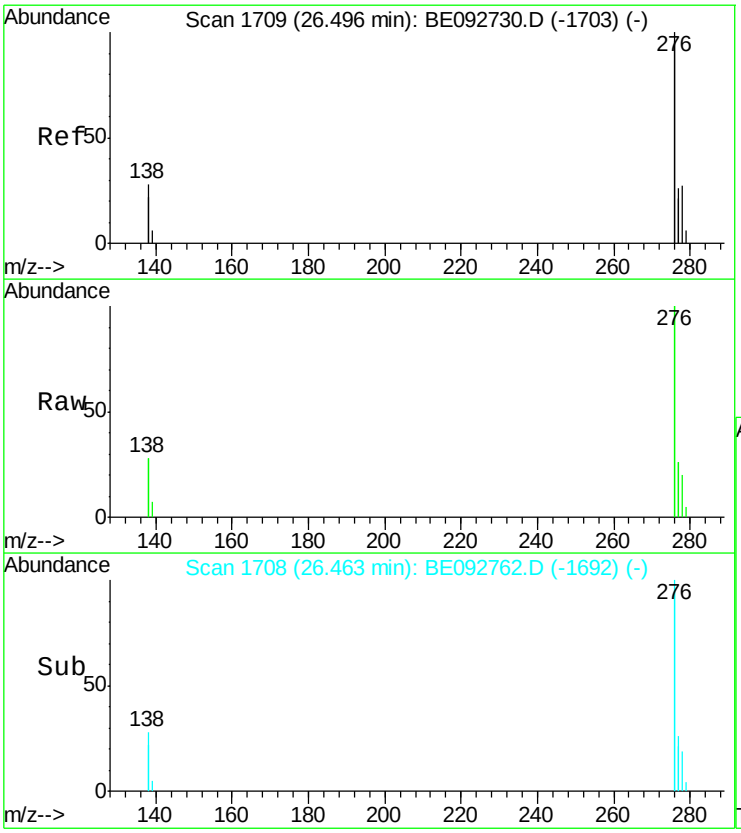
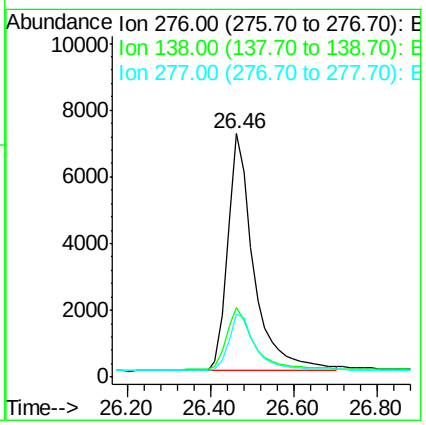


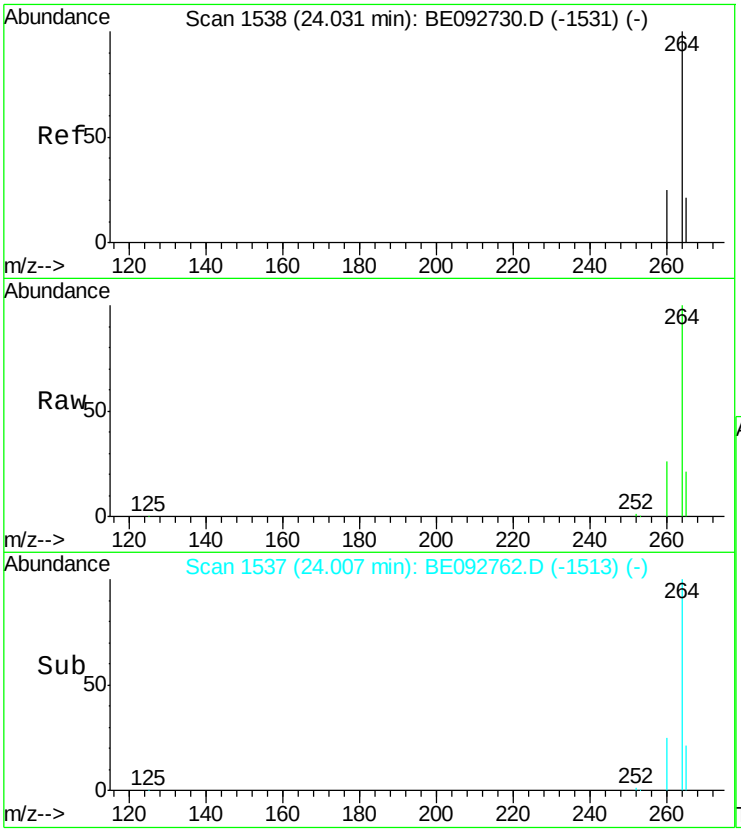


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng
RT: 26.46 min Scan# 1708
Delta R.T. -0.03 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:276 Resp: 31038

Ion	Ratio	Lower	Upper
276	100		
138	27.8	20.3	30.5
277	24.6	19.7	29.5

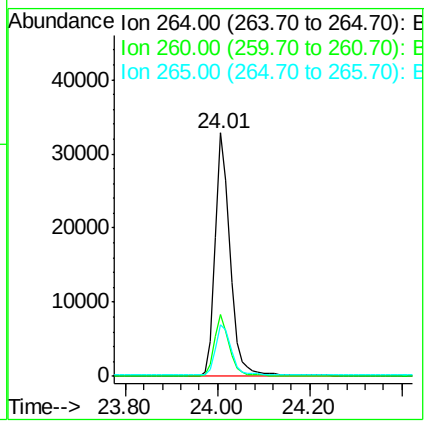




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:264 Resp: 74485

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	21.3	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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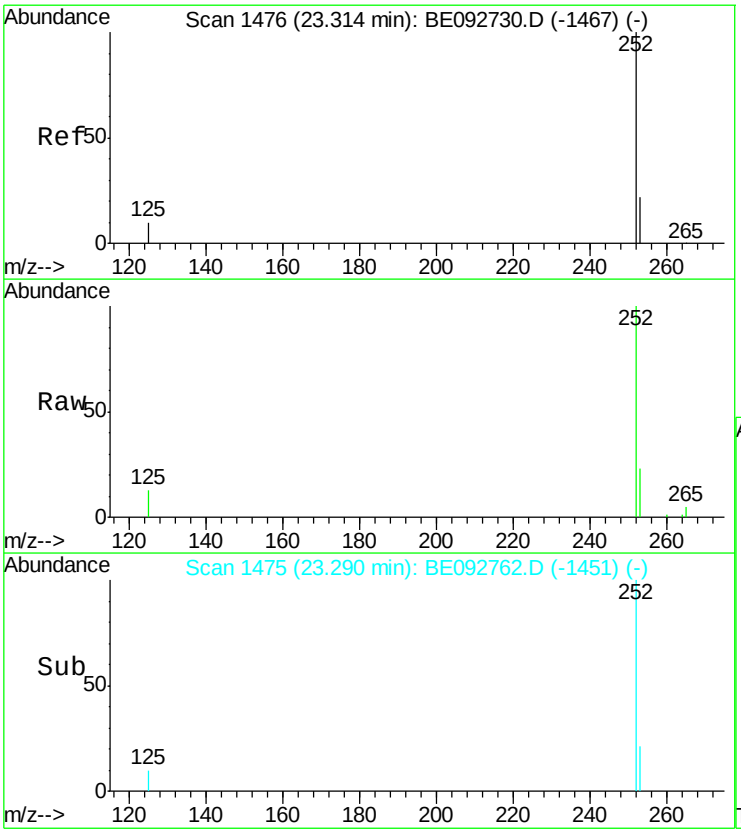
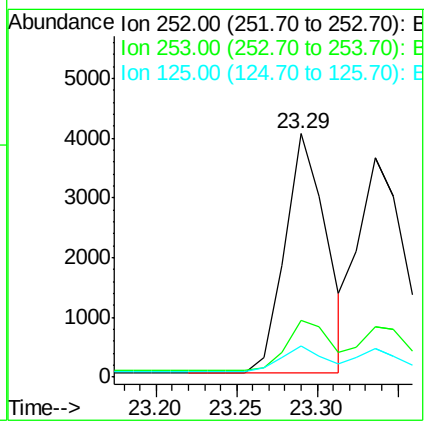
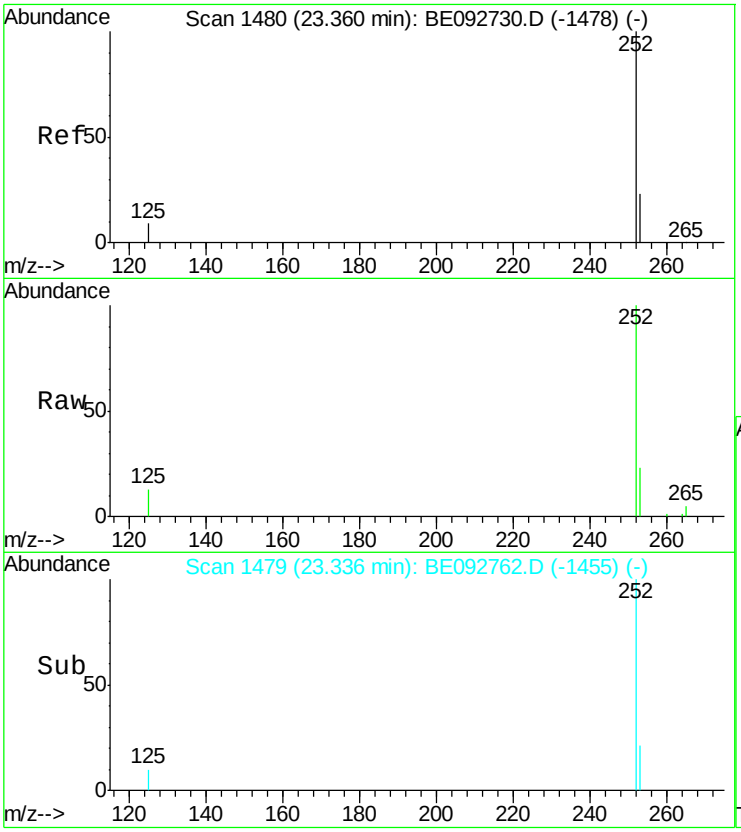


#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.29 min Scan# 1475
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:252 Resp: 7189

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.7	28.1
125	12.5	10.5	15.7

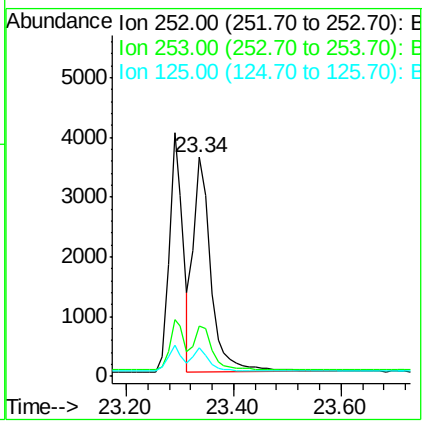




#33
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:252 Resp: 8045

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.3	30.5
125	12.8	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
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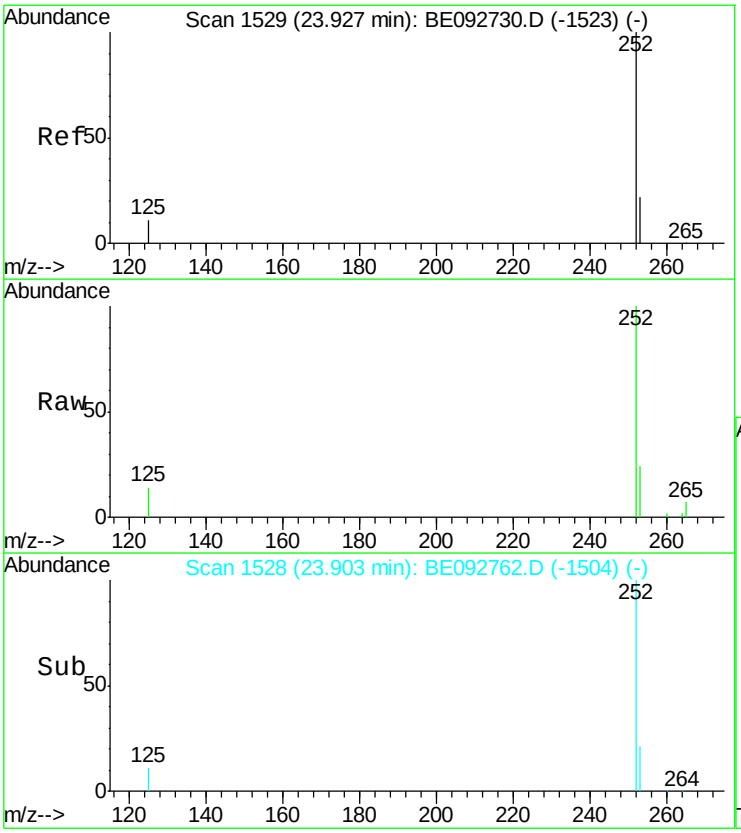
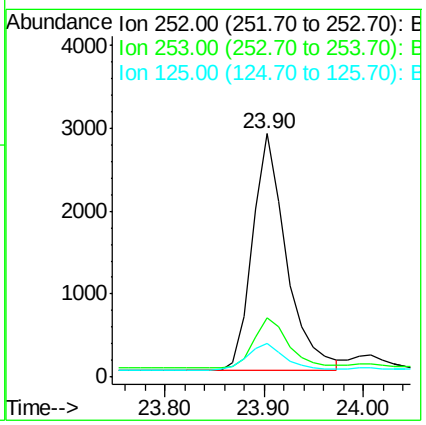
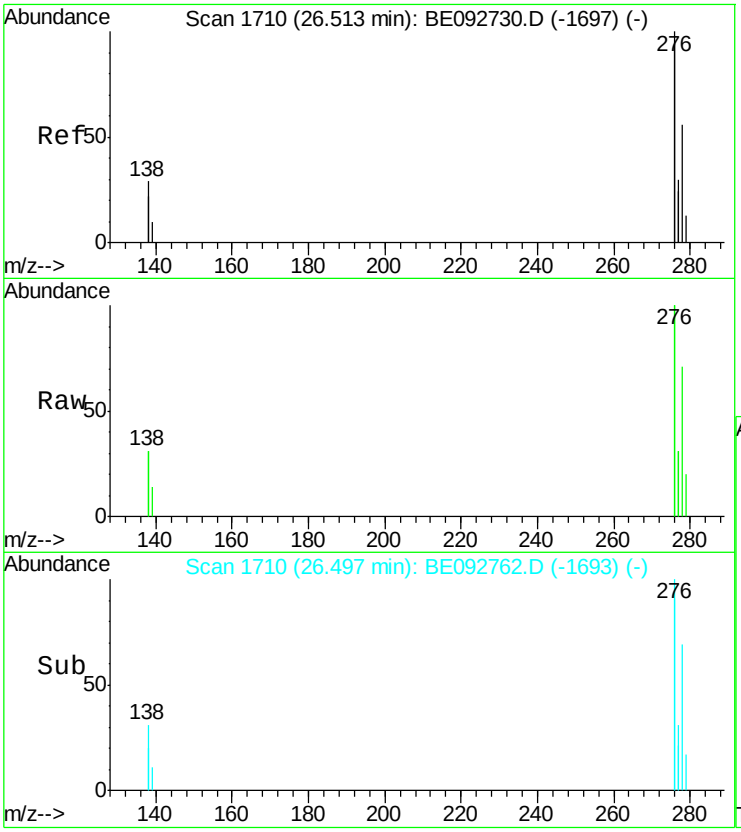


#34
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.90 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:252 Resp: 6752

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.6
125	14.0	11.8	17.8





#35
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 26.50 min Scan# 1710
Delta R.T. -0.02 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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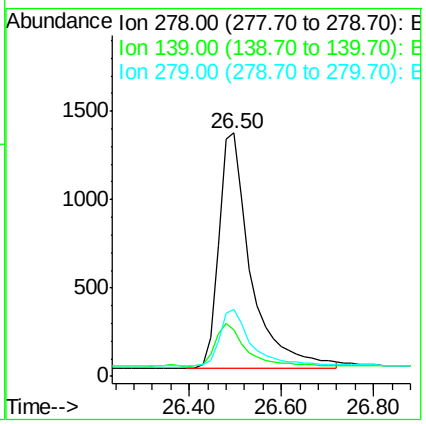
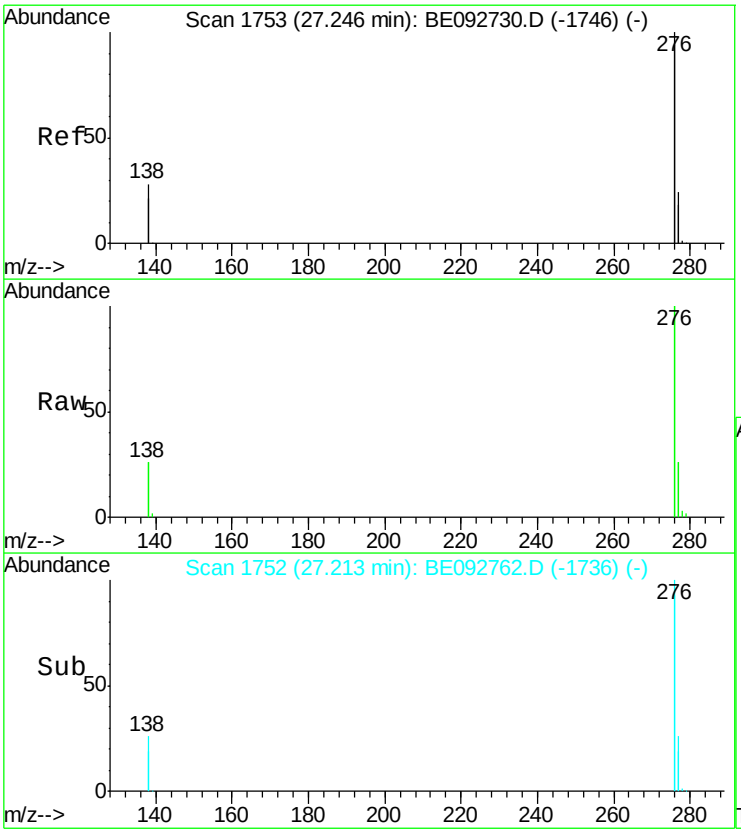
Tgt Ion:278 Resp: 6480

Ion	Ratio	Lower	Upper
278	100		
139	19.1	13.8	20.8
279	27.6	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 27.21 min Scan# 1752
Delta R.T. -0.03 min
Lab File: BE092762.D
Acq: 28 Feb 2017 14:08

Tgt Ion:276 Resp: 28006

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.8	29.8
138	25.8	19.8	29.6