Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
Data File : BE092504.D
Acq On : 8 Nov 2016 12:08
Operator : UM/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.8

Manual Integrations APPROVED
umangi
11/9/2016 10:58:48 AM

Quant Time: Nov 08 13:05:09 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	8304	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	39671	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	27503	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	63536	5.00	ng		0.00
24) Chrysene-d12	21.72	240	89594	5.00	ng		0.00
31) Perylene-d12	24.09	264	85788	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.66	112	1403	1.11	ng		0.00
5) Phenol-d6	7.34	99	1750	0.99	ng		0.00
8) Nitrobenzene-d5	9.34	82	1981	0.89	ng		0.00
13) 2,4,6-Tribromophenol	16.30	330	546	1.01	ng		-0.01
14) 2-Fluorobiphenyl	13.42	172	5503	0.82	ng		-0.01
26) Terphenyl-d14	20.16	244	8390	0.76	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	875	0.81	ng		98
3) n-Nitrosodimethylamine	3.76	42	1068	1.07	ng	#	95
6) bis(2-Chloroethyl)ether	7.57	93	2052	0.99	ng		88
9) Naphthalene	10.97	128	6682	0.78	ng		96
10) Hexachlorobutadiene	11.26	225	1024	0.78	ng		99
11) 2-Methylnaphthalene	12.61	142	4341	0.78	ng		98
15) Acenaphthylene	14.51	152	30714	0.78	ng		100
16) Acenaphthene	14.87	154	4916	0.78	ng		96
17) Fluorene	15.84	166	6280	0.84	ng		99
19) Hexachlorobenzene	16.87	284	1833	0.64	ng	#	87
20) Pentachlorophenol	17.23	266	513	1.03	ng		94
21) Phenanthrene	17.60	178	10952	0.67	ng	#	74
22) Anthracene	17.69	178	10300	0.70	ng		99
23) Fluoranthene	19.59	202	54077	0.83	ng		99
25) Pyrene	19.95	202	58658	0.75	ng		100
27) Benzo(a)anthracene	21.70	228	70139m	0.85	ng		
28) Chrysene	21.75	228	69169m	0.79	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	6523	0.95	ng	#	73
30) Indeno(1,2,3-cd)pyrene	26.56	276	78653	1.02	ng		99
32) Benzo(b)fluoranthene	23.36	252	22478	1.05	ng	#	97
33) Benzo(k)fluoranthene	23.40	252	21434	1.01	ng		95
34) Benzo(a)pyrene	23.97	252	16419	0.85	ng		97
35) Dibenzo(a,h)anthracene	26.58	278	16306	0.90	ng		96
36) Benzo(g,h,i)perylene	27.33	276	67281	0.86	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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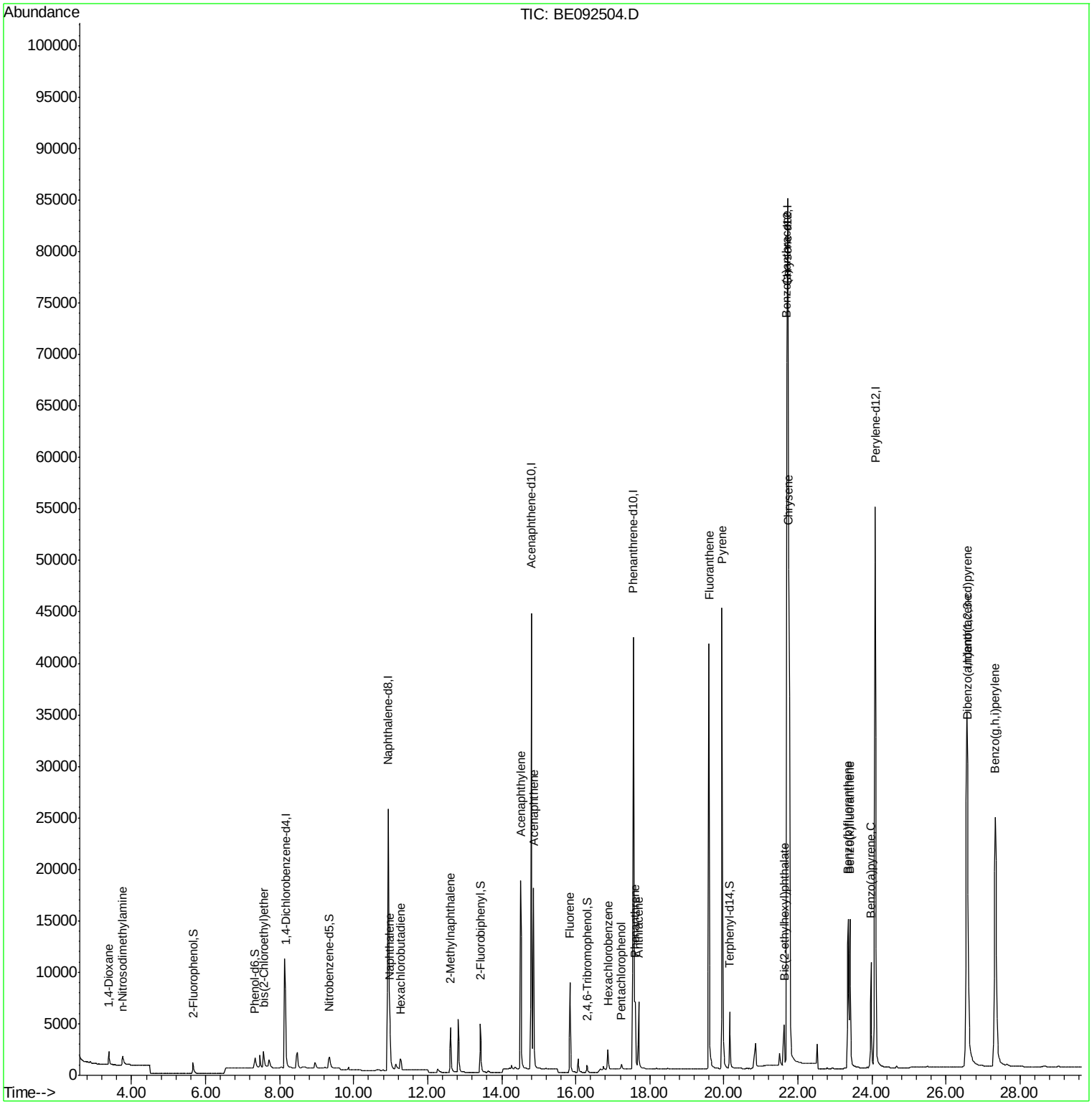
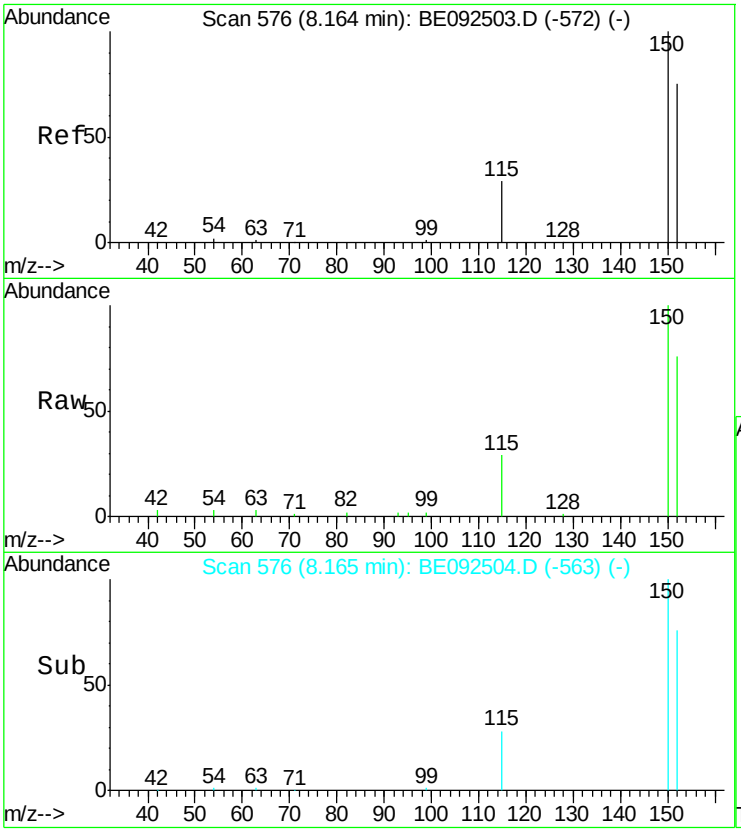
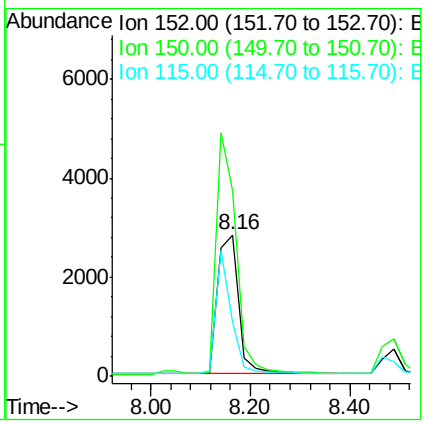




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:152 Resp: 8304

Ion	Ratio	Lower	Upper
152	100		
150	131.4	106.0	159.0
115	38.7	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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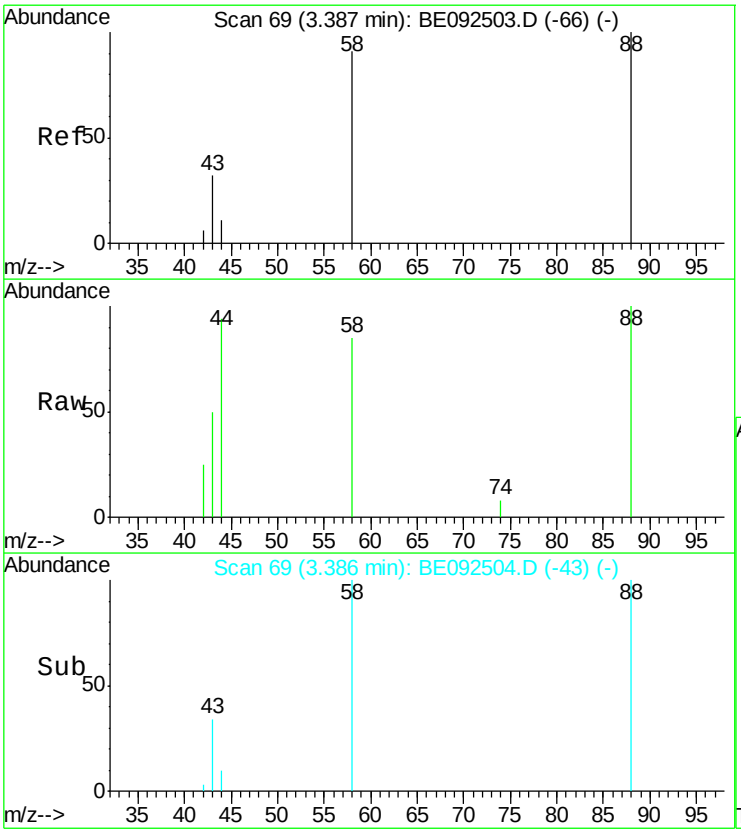
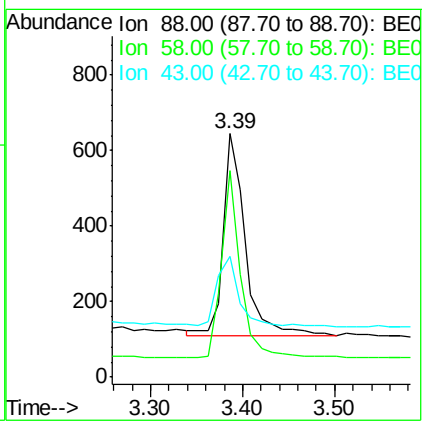
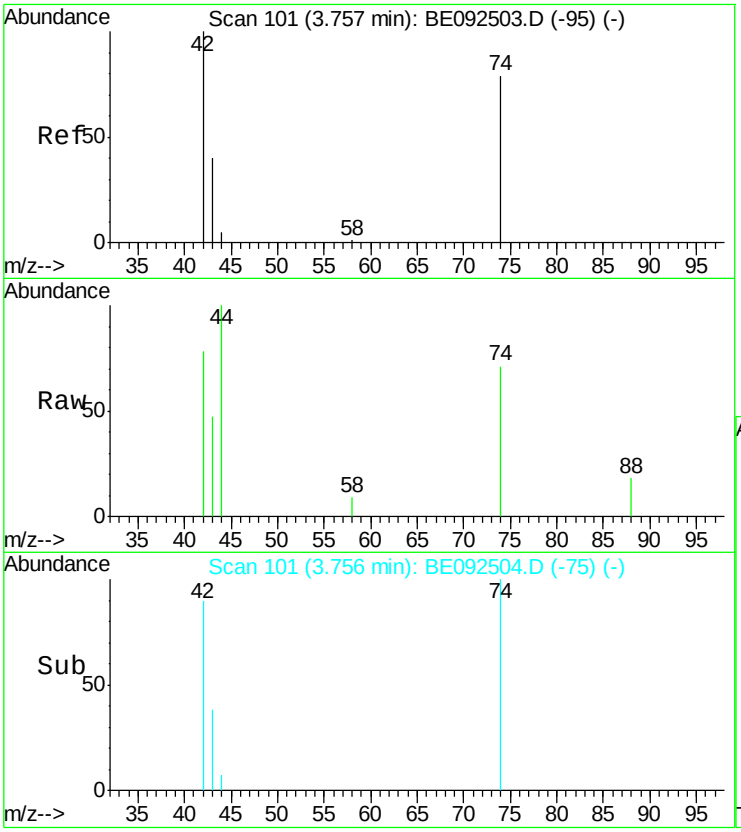


#2
1,4-Dioxane
Concen: 0.81 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion: 88 Resp: 875

Ion	Ratio	Lower	Upper
88	100		
58	80.7	63.6	95.4
43	36.7	28.0	42.0

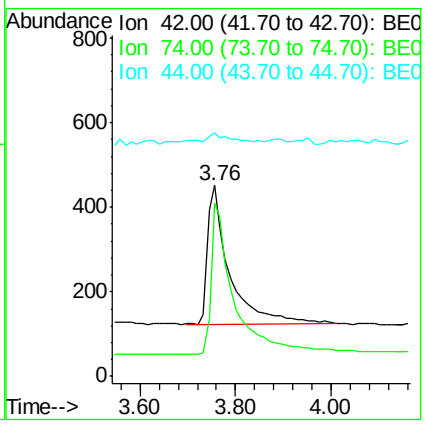




#3
n-Nitrosodimethylamine
Concen: 1.07 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion: 42 Resp: 1068

Ion	Ratio	Lower	Upper
42	100		
74	112.4	86.0	129.0
44	7.9	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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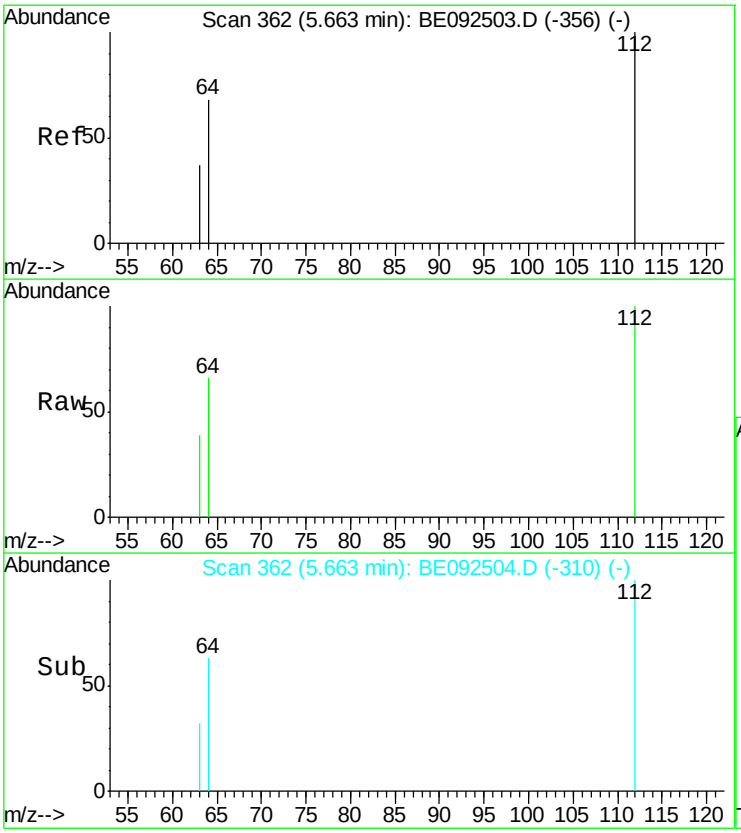
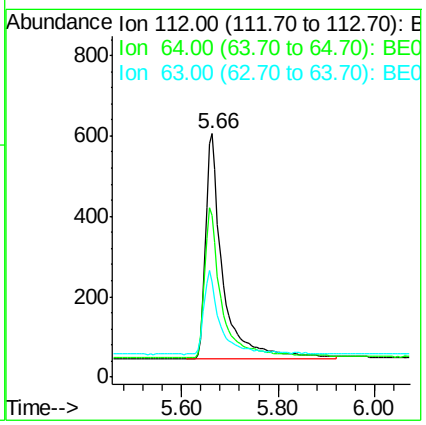
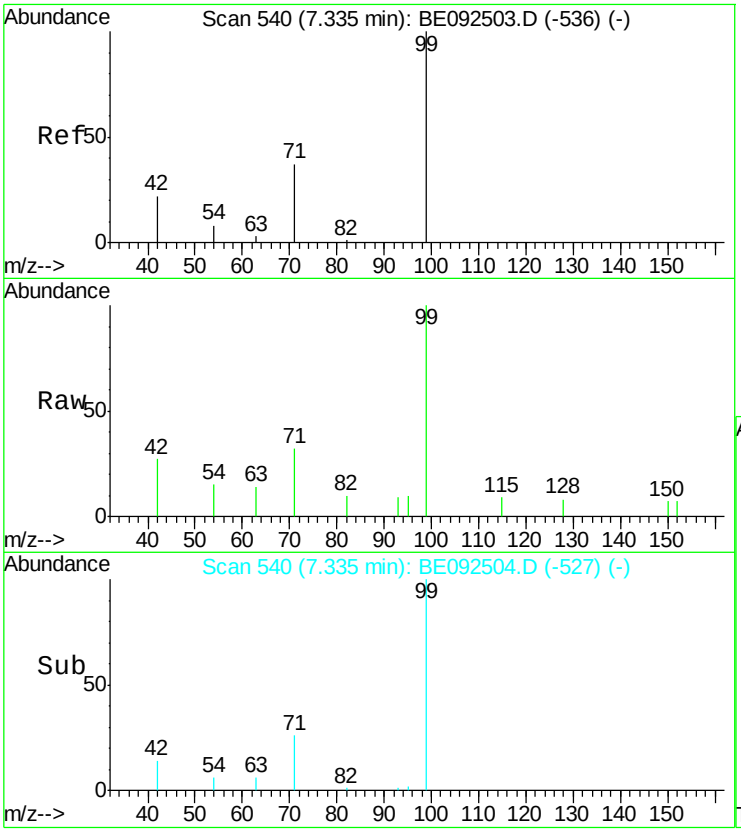


#4
2-Fluorophenol
Concen: 1.11 ng
RT: 5.66 min Scan# 362
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:112 Resp: 1403

Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.5	80.3
63	35.3	27.9	41.9

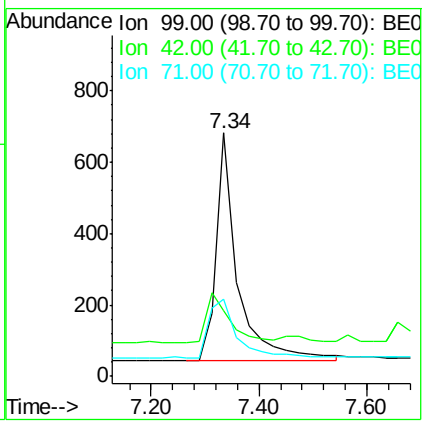




#5
Phenol-d6
Concen: 0.99 ng
RT: 7.34 min Scan# 540
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion: 99 Resp: 1750

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	35.6	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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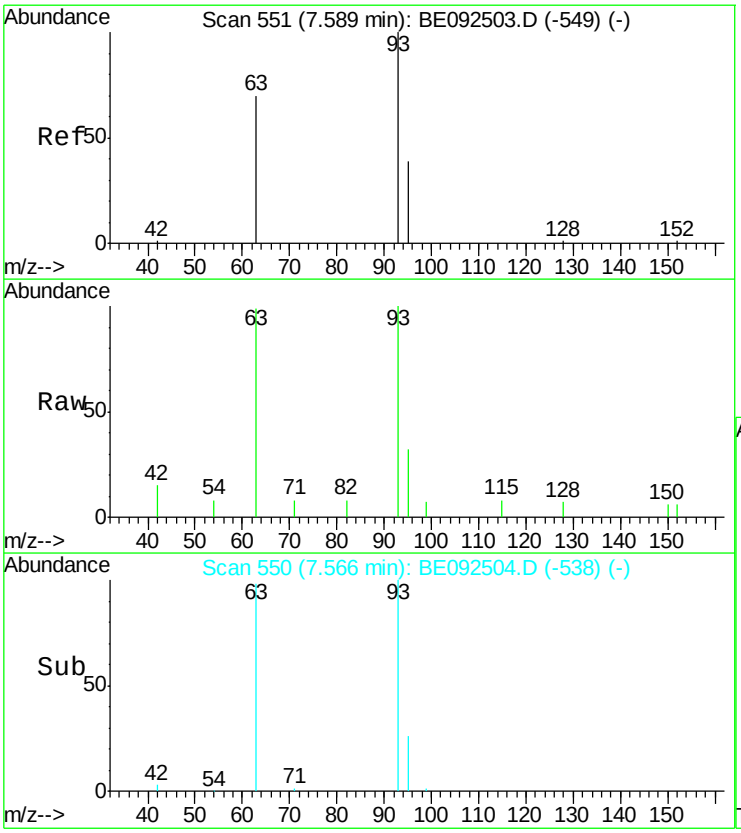
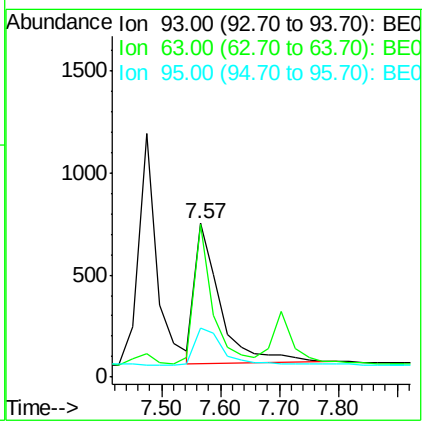
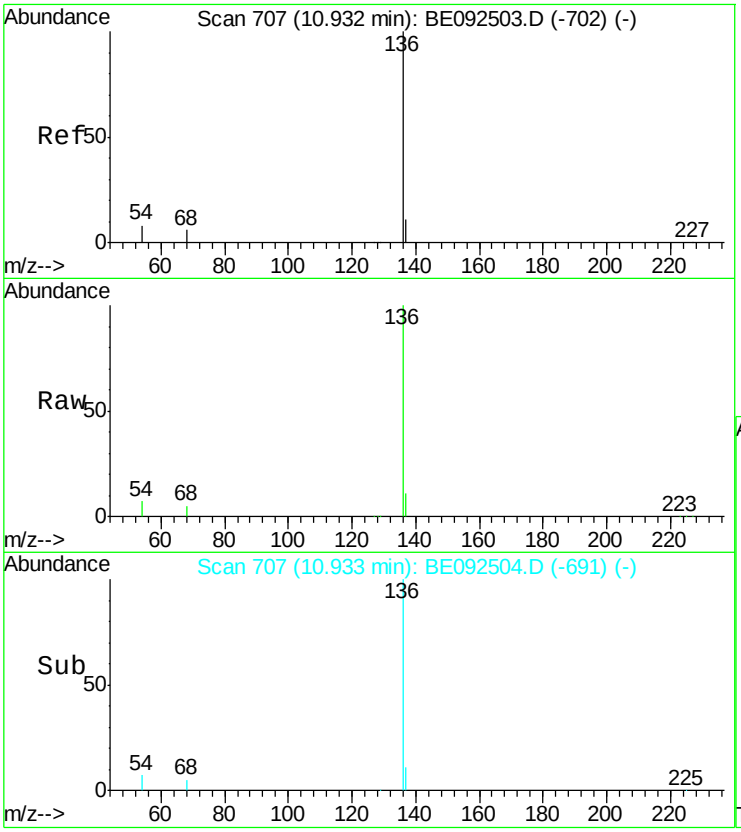


#6
bis(2-Chloroethyl)ether
Concen: 0.99 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion: 93 Resp: 2052

Ion	Ratio	Lower	Upper
93	100		
63	75.3	71.6	107.4
95	29.5	24.0	36.0

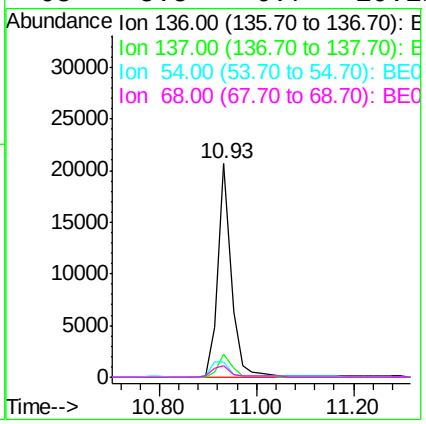




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:136 Resp: 39671

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	7.3	9.6	14.4#
68	5.5	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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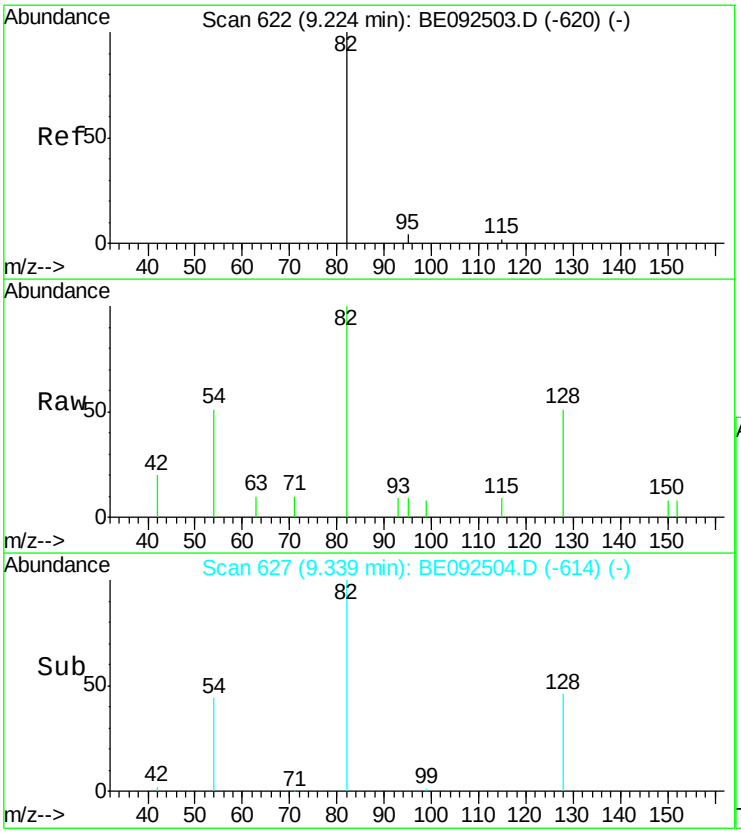
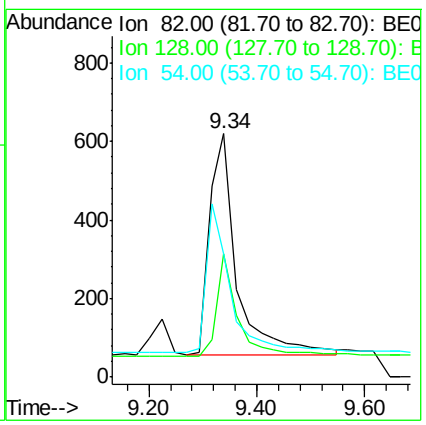
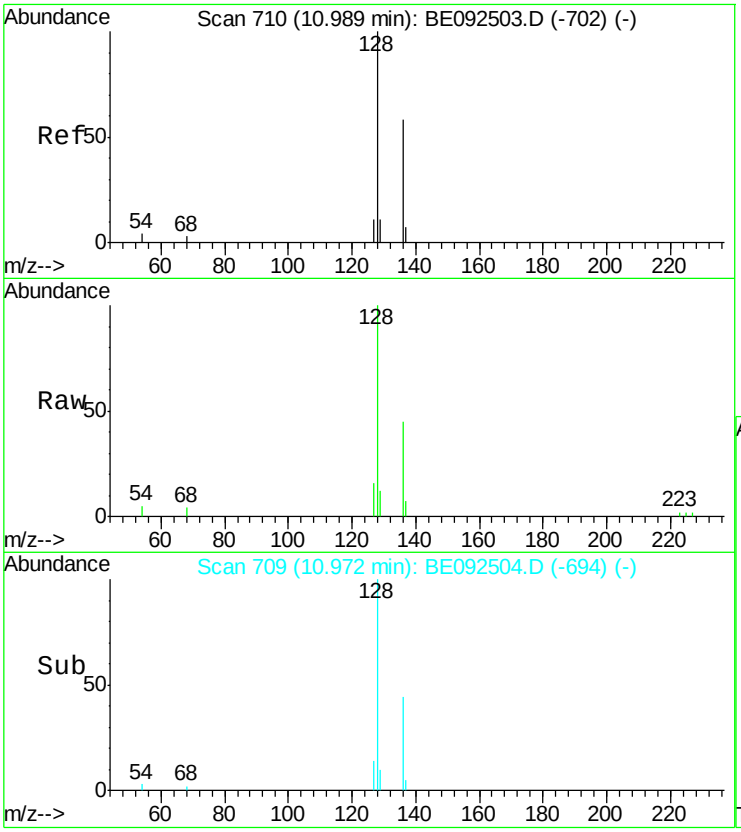


#8
Nitrobenzene-d5
Concen: 0.89 ng
RT: 9.34 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion: 82 Resp: 1981

Ion	Ratio	Lower	Upper
82	100		
128	50.6	39.0	58.4
54	50.8	44.8	67.2

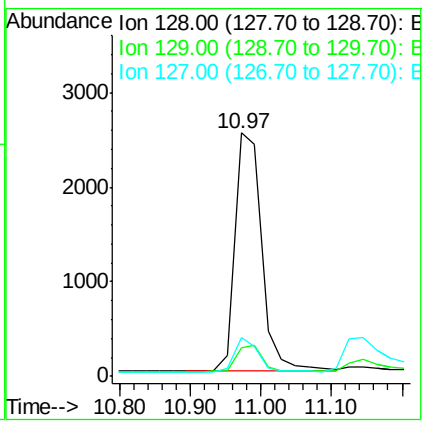




#9
Naphthalene
Concen: 0.78 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:128 Resp: 6682

Ion	Ratio	Lower	Upper
128	100		
129	11.9	11.2	16.8
127	16.0	11.6	17.4



Instrument :
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ClientSampleId :
SSTDICC0.8

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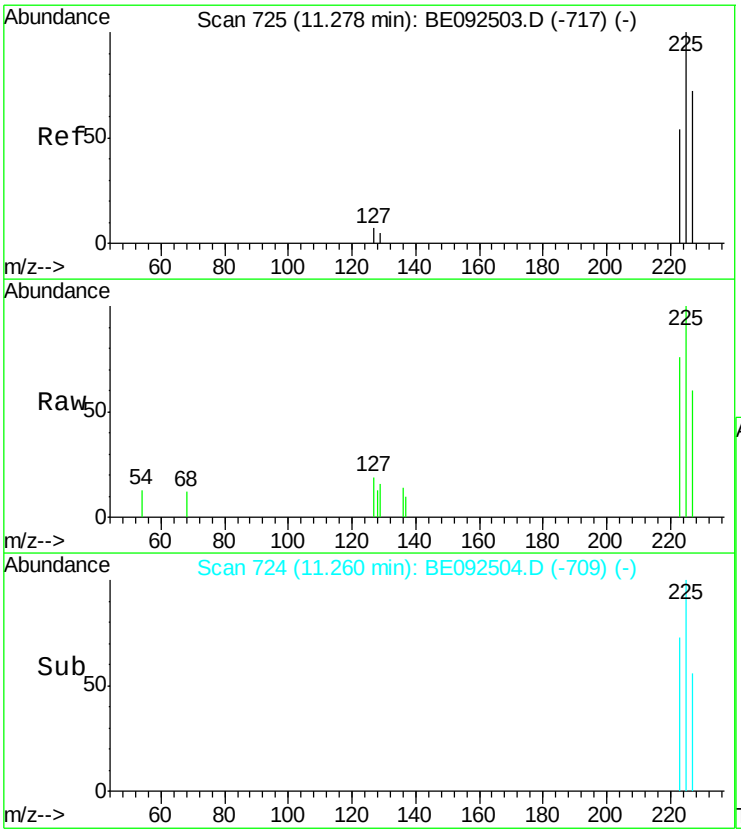
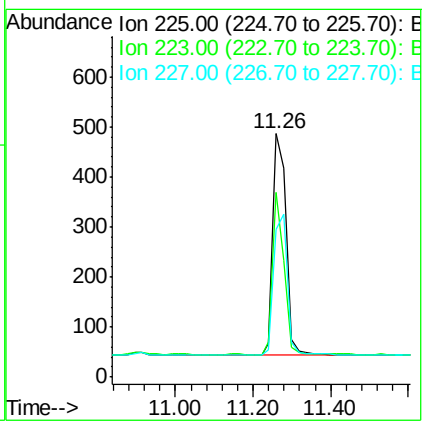
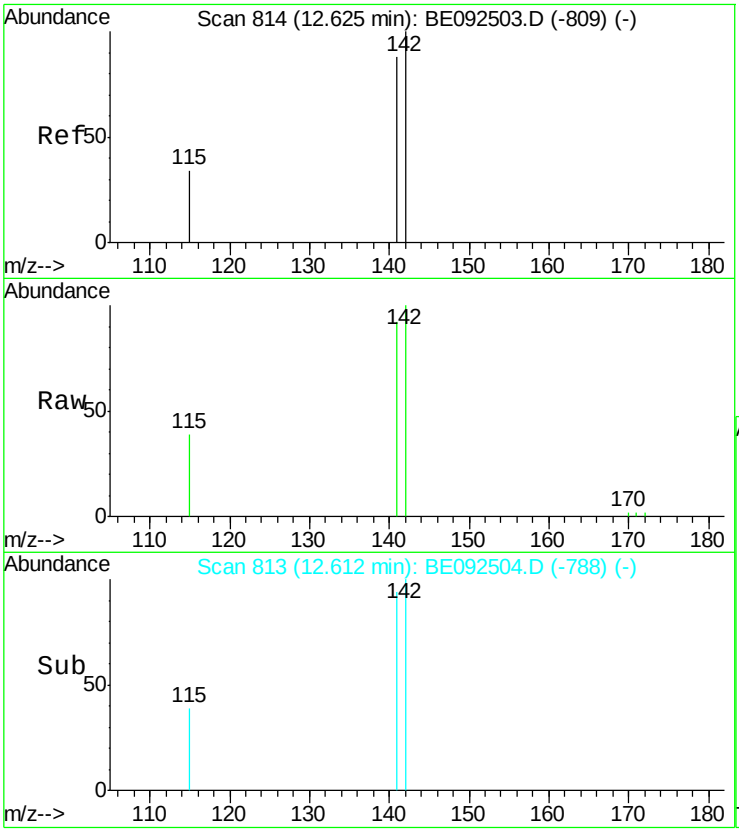


#10
Hexachlorobutadiene
Concen: 0.78 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.02 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:225 Resp: 1024

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	65.4	51.4	77.0

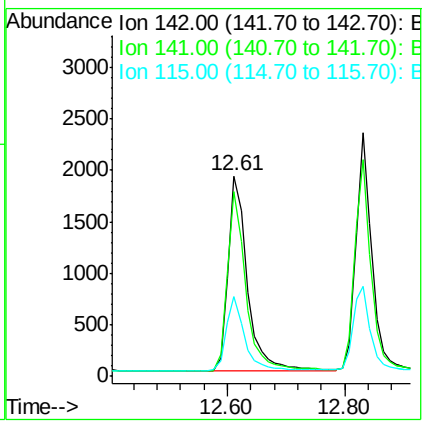




#11
2-Methylnaphthalene
Concen: 0.78 ng
RT: 12.61 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:142 Resp: 4341

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.7	110.5
115	39.5	34.0	51.0



Instrument :
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ClientSampleId :
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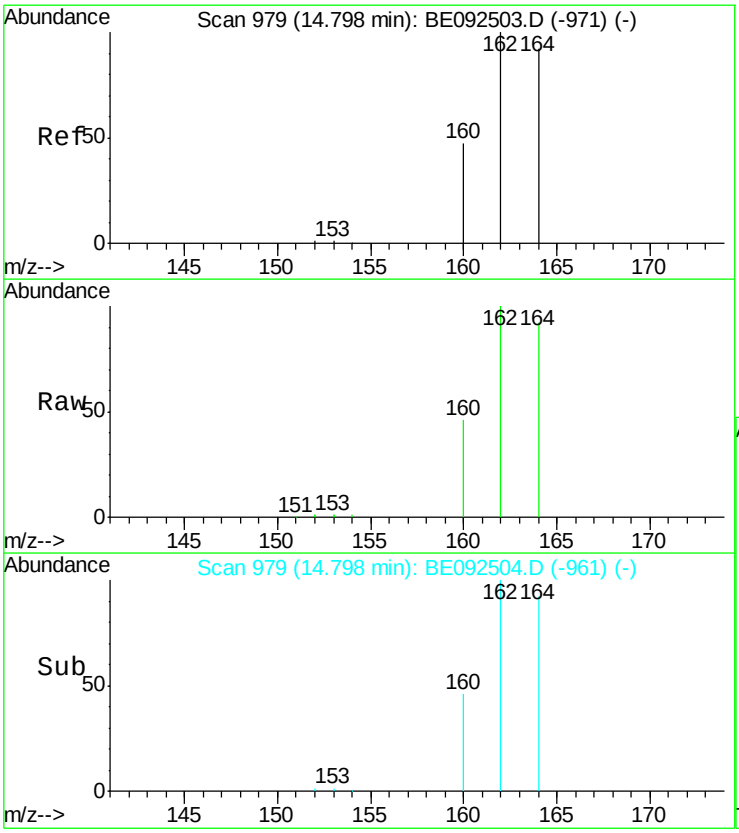
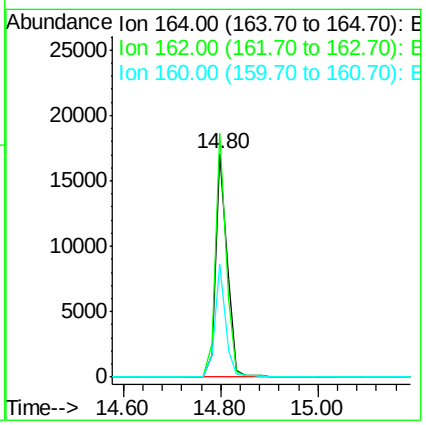
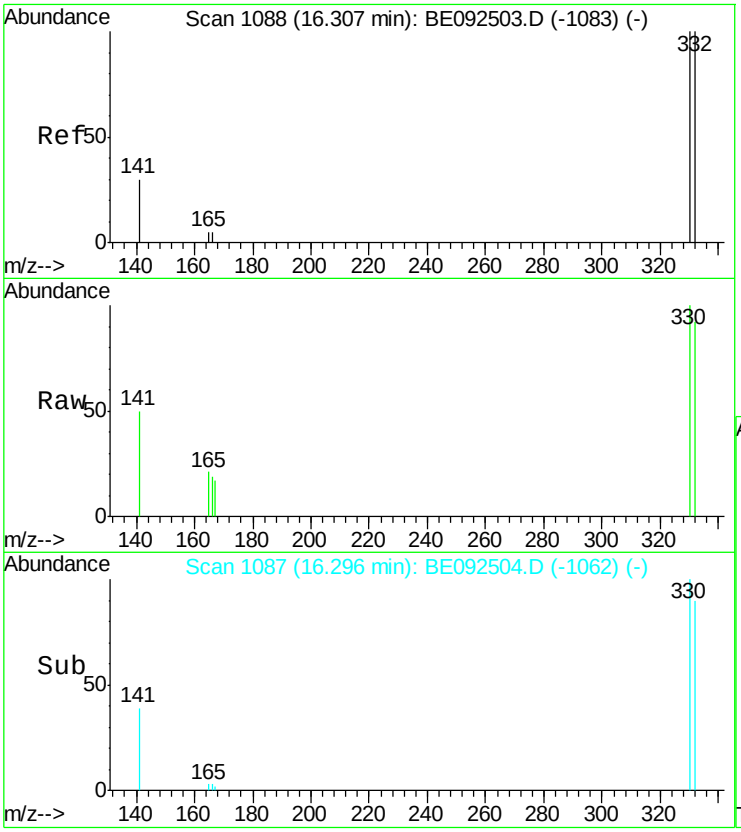


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:164 Resp: 27503

Ion	Ratio	Lower	Upper
164	100		
162	108.9	71.4	107.0#
160	50.5	27.4	41.2#

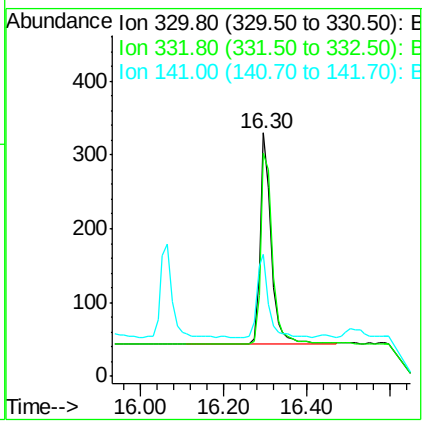




#13
2,4,6-Tribromophenol
Concen: 1.01 ng
RT: 16.30 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:330 Resp: 546

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.4	113.0
141	41.4	31.0	46.6



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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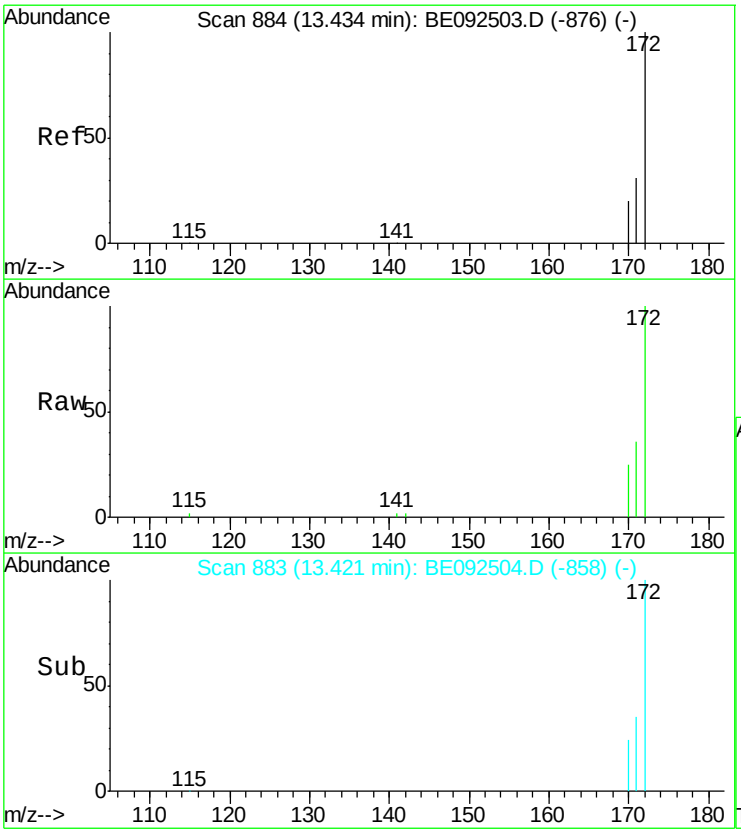
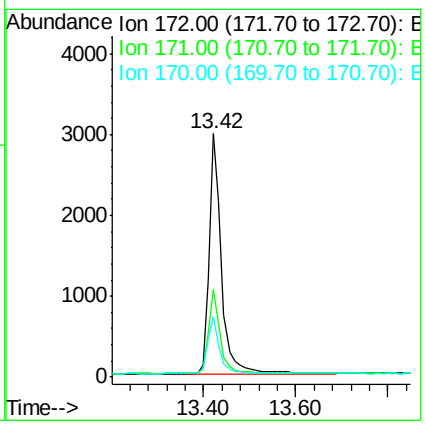
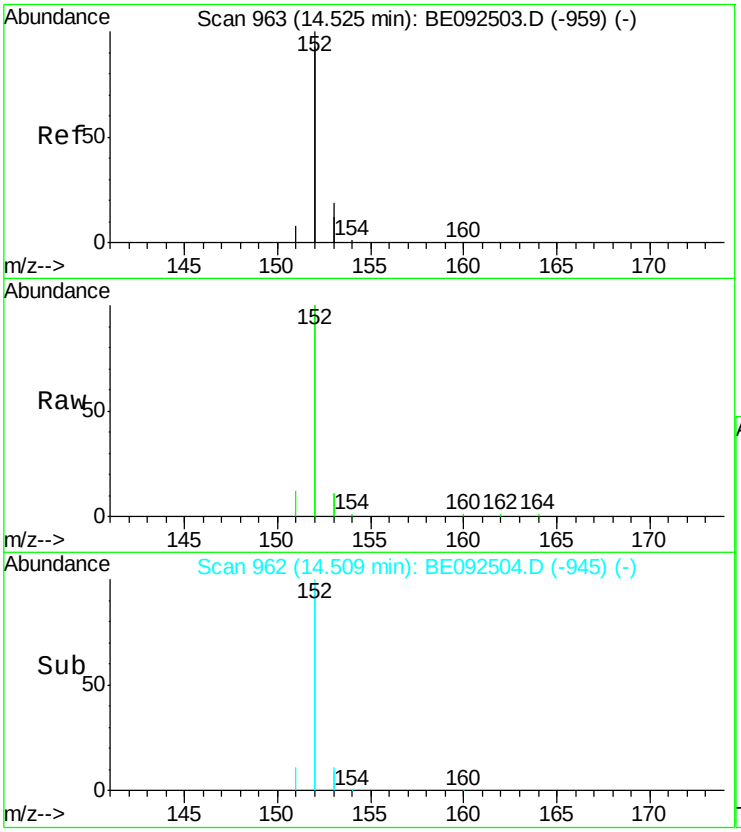


#14
2-Fluorobiphenyl
Concen: 0.82 ng
RT: 13.42 min Scan# 883
Delta R.T. -0.01 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:172 Resp: 5503

Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.1	45.1
170	24.7	21.8	32.6

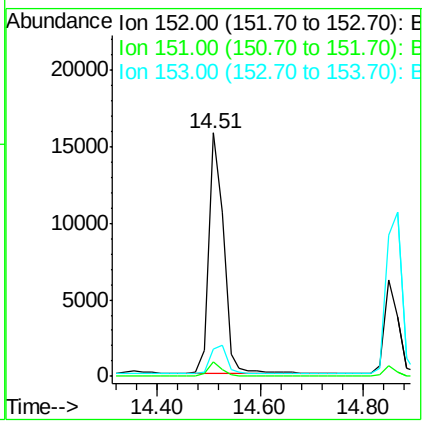




#15
Acenaphthylene
Concen: 0.78 ng
RT: 14.51 min Scan# 962
Delta R.T. -0.02 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:152 Resp: 30714

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



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Manual Integrations APPROVED
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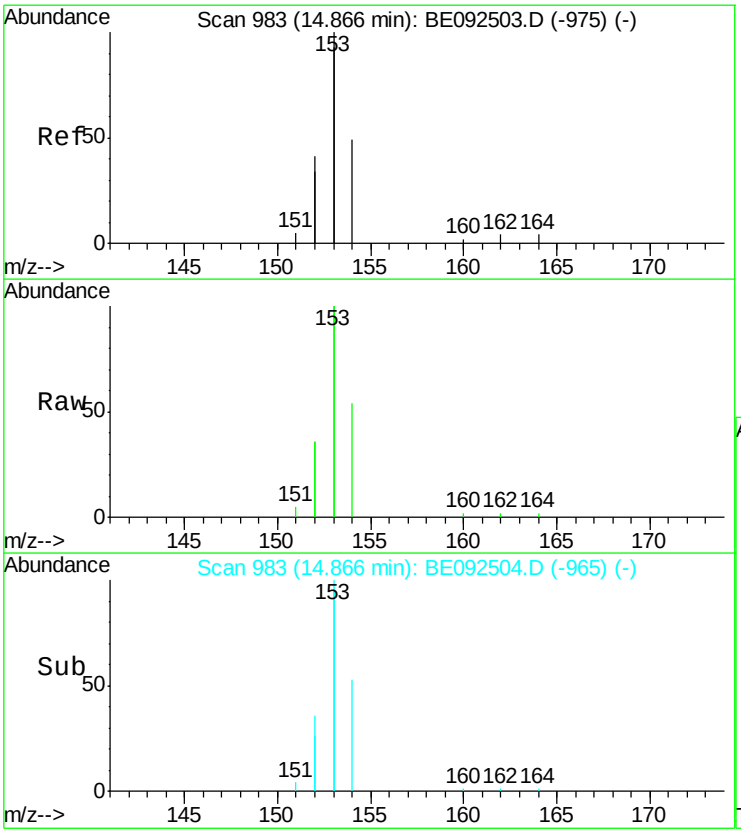
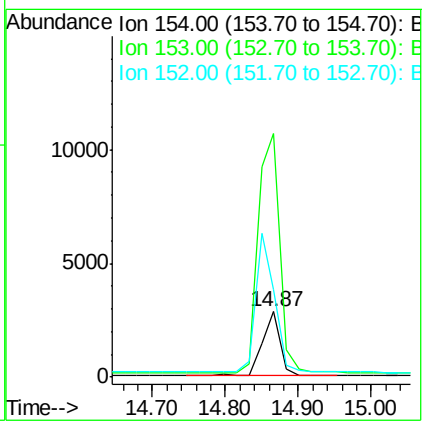
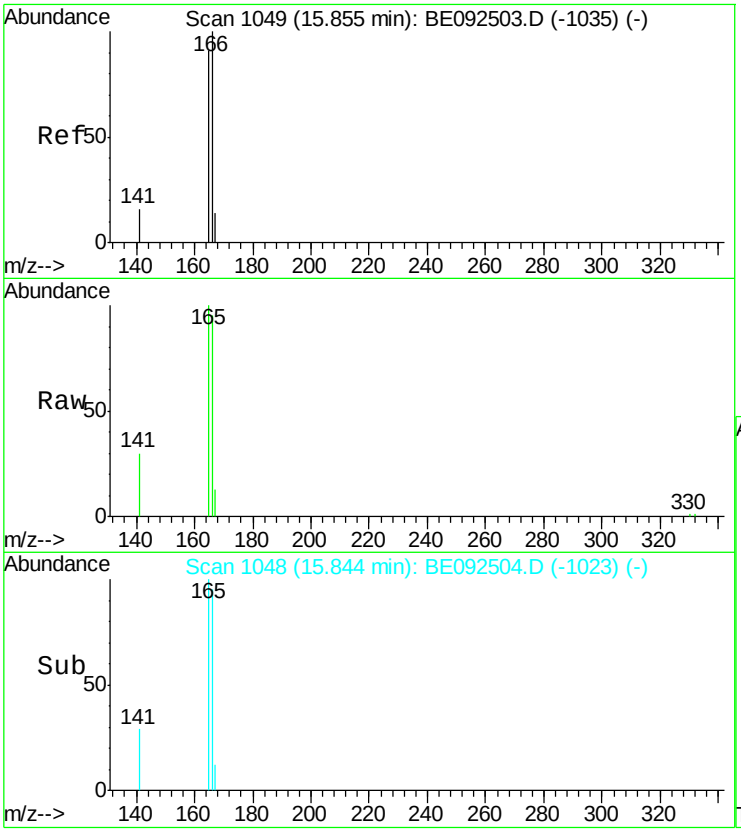


#16
Acenaphthene
Concen: 0.78 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:154 Resp: 4916

Ion	Ratio	Lower	Upper
154	100		
153	443.9	350.8	526.2
152	224.8	171.1	256.7

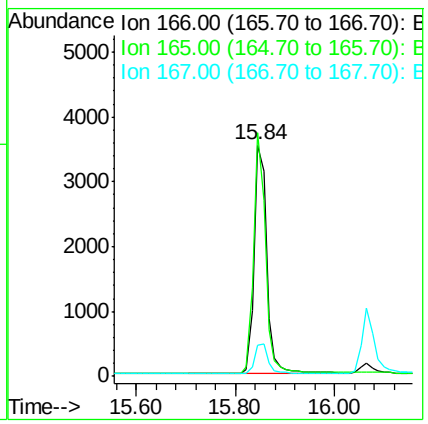




#17
Fluorene
Concen: 0.84 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:166 Resp: 6280

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.2	117.4
167	13.7	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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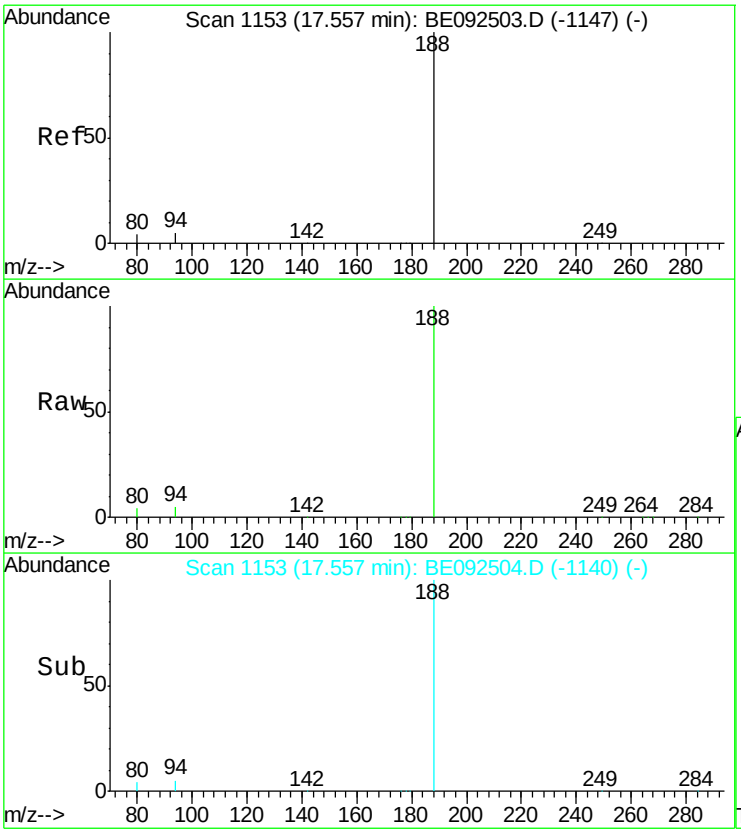
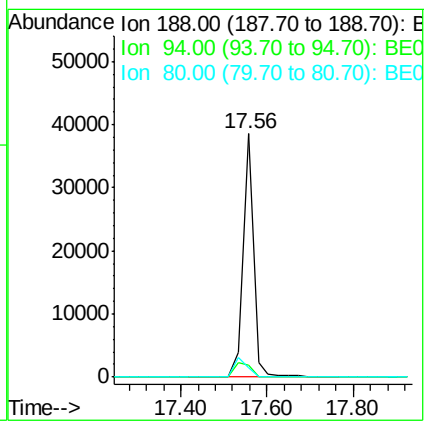
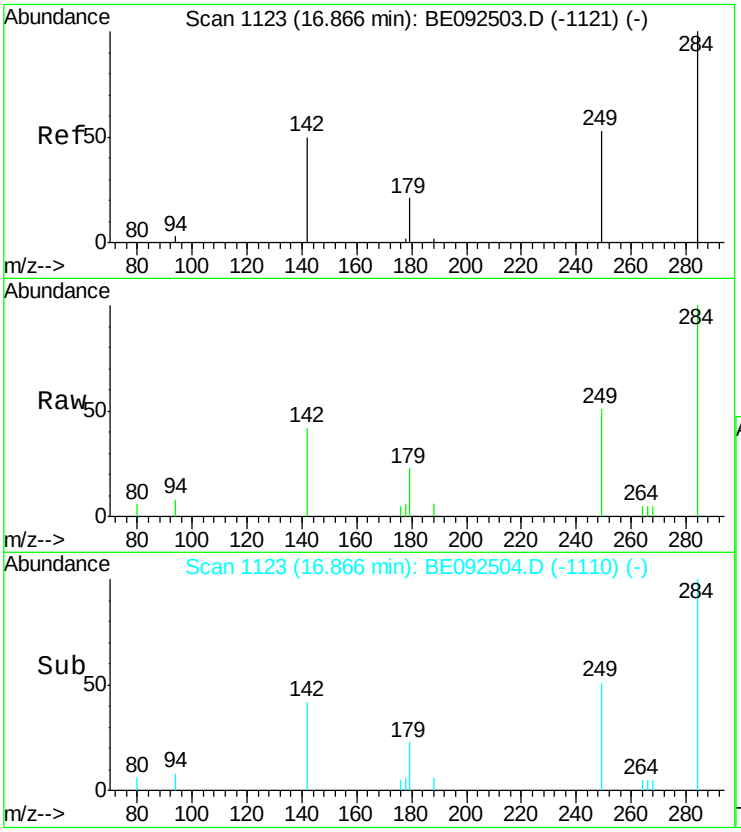


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:188 Resp: 63536

Ion	Ratio	Lower	Upper
188	100		
94	4.7	3.2	4.8
80	4.0	2.6	3.8#

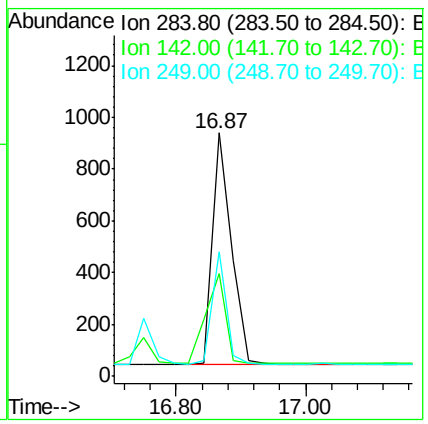




#19
Hexachlorobenzene
Concen: 0.64 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:284 Resp: 1833

Ion	Ratio	Lower	Upper
284	100		
142	44.5	29.1	43.7#
249	41.6	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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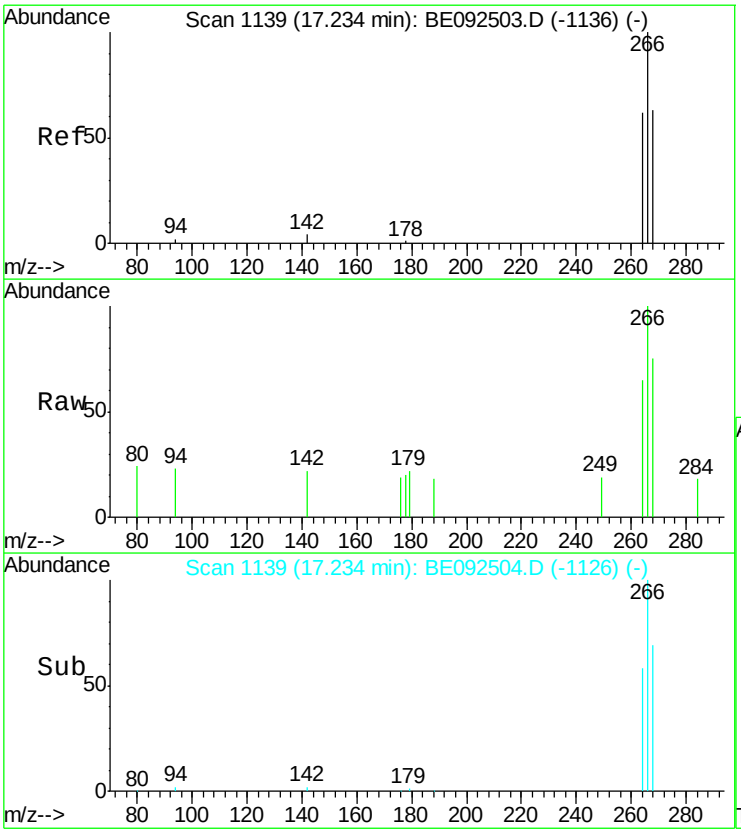
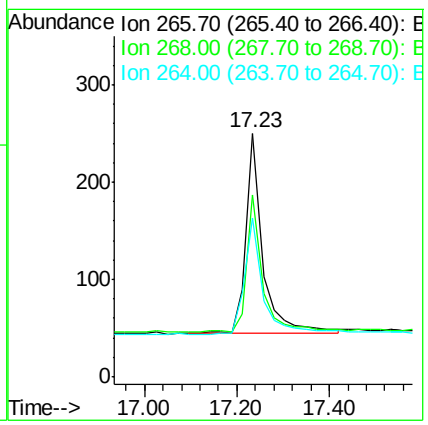
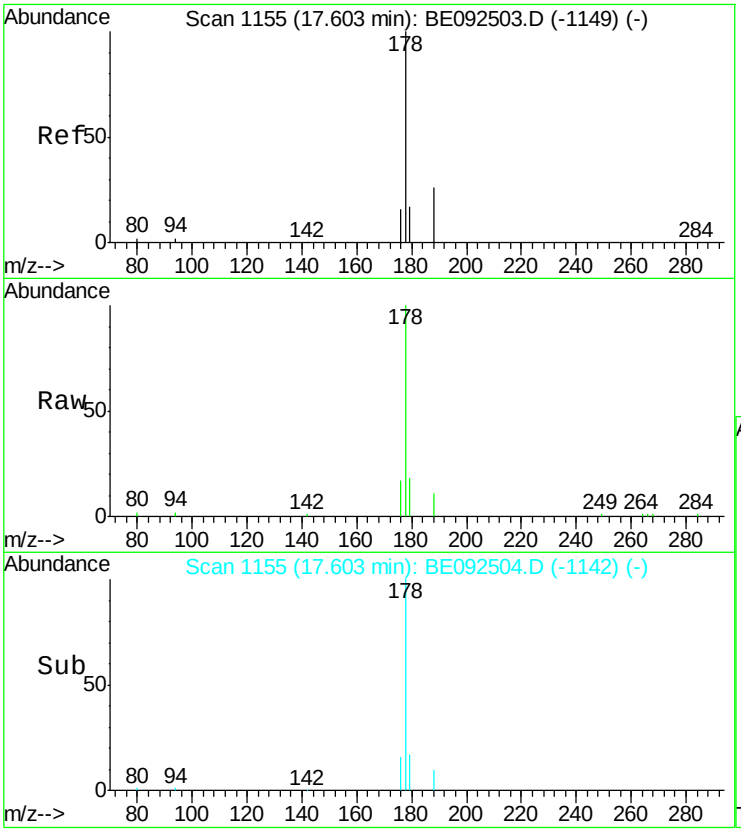


#20
Pentachlorophenol
Concen: 1.03 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:266 Resp: 513

Ion	Ratio	Lower	Upper
266	100		
268	74.8	62.5	93.7
264	65.2	57.2	85.8

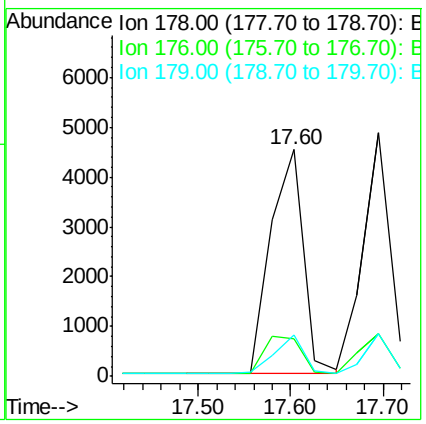




#21
Phenanthrene
Concen: 0.67 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:178 Resp: 10952

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	15.6	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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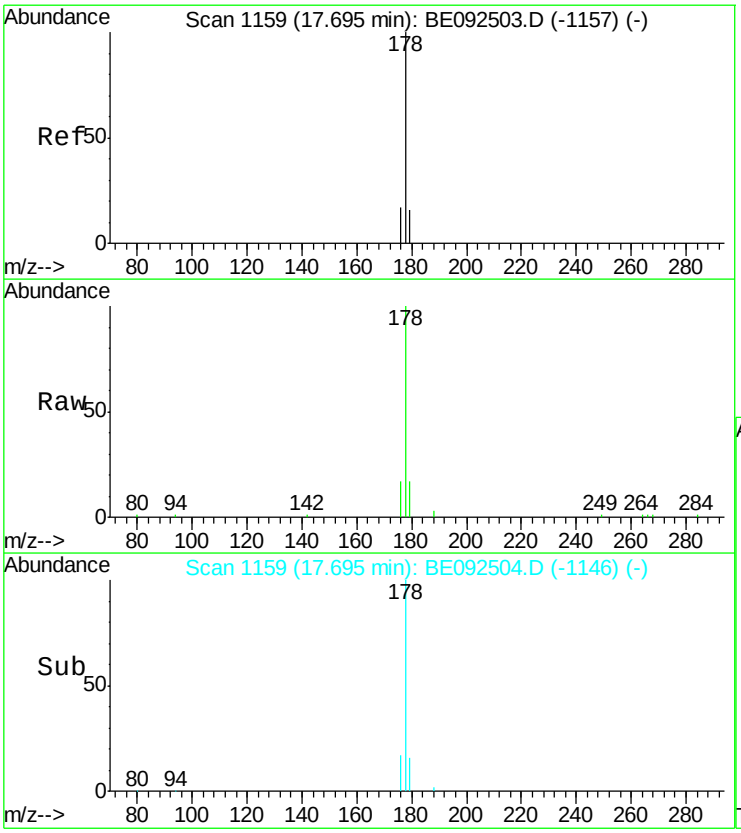
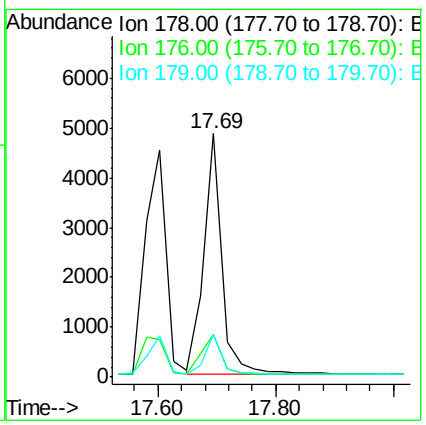
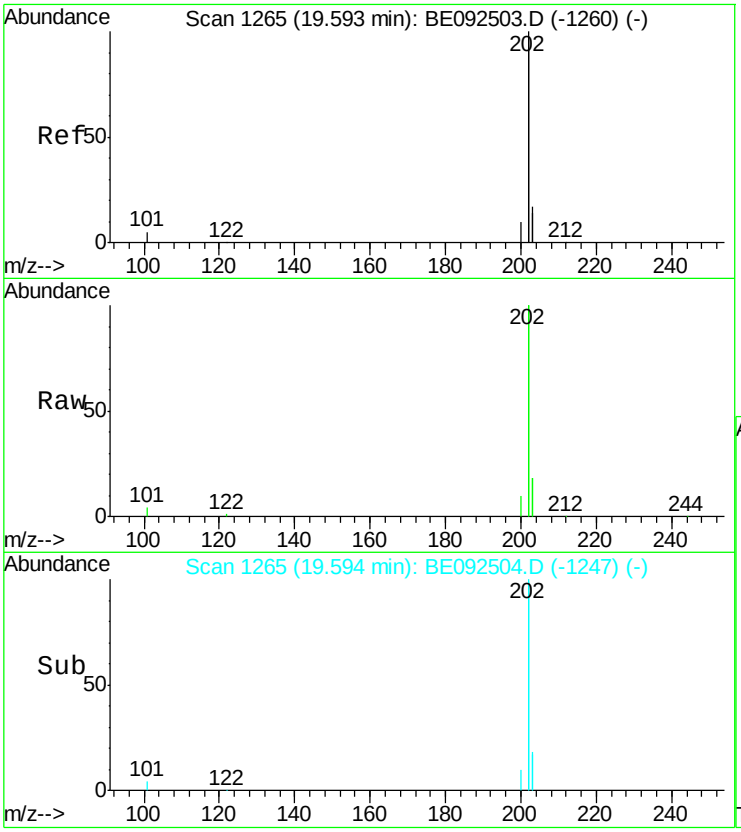


#22
Anthracene
Concen: 0.70 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:178 Resp: 10300

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.9	12.2	18.2

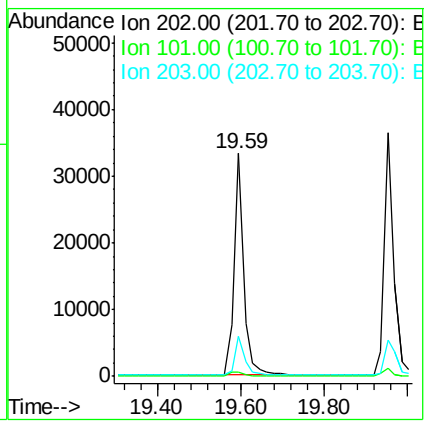




#23
Fluoranthene
Concen: 0.83 ng
RT: 19.59 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:202 Resp: 54077

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



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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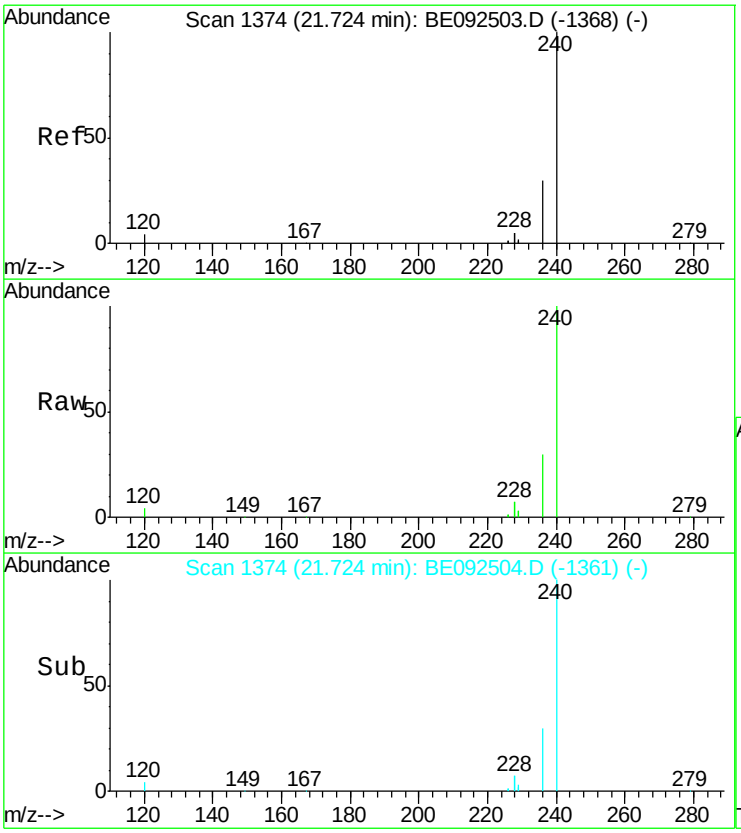
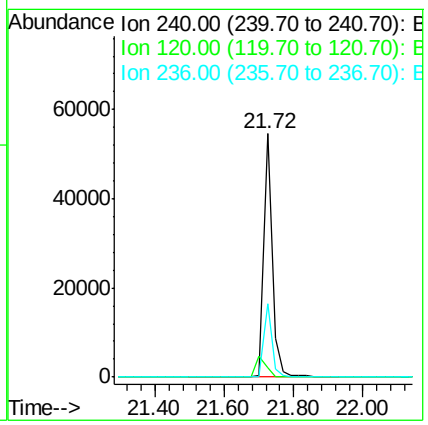
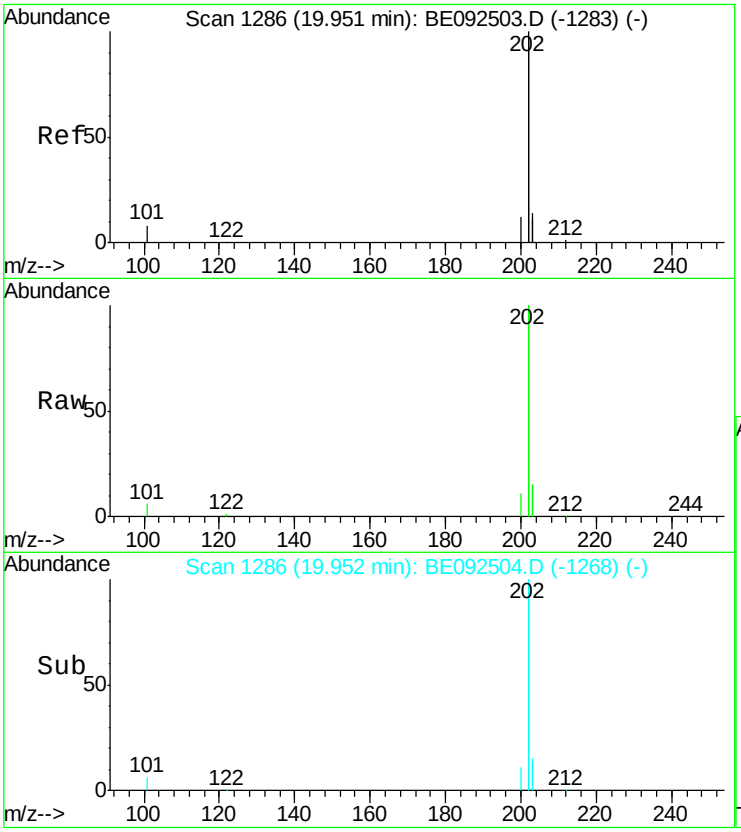


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:240 Resp: 89594

Ion	Ratio	Lower	Upper
240	100		
120	3.8	2.6	4.0
236	30.4	24.6	37.0

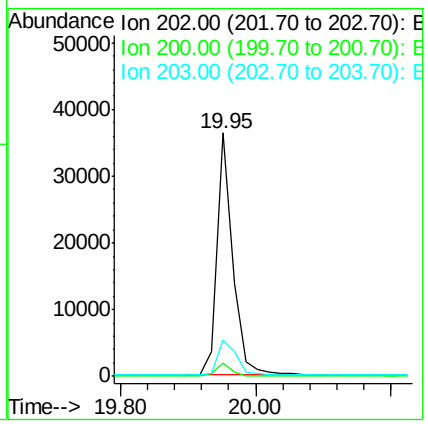




#25
Pyrene
Concen: 0.75 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:202 Resp: 58658

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.2	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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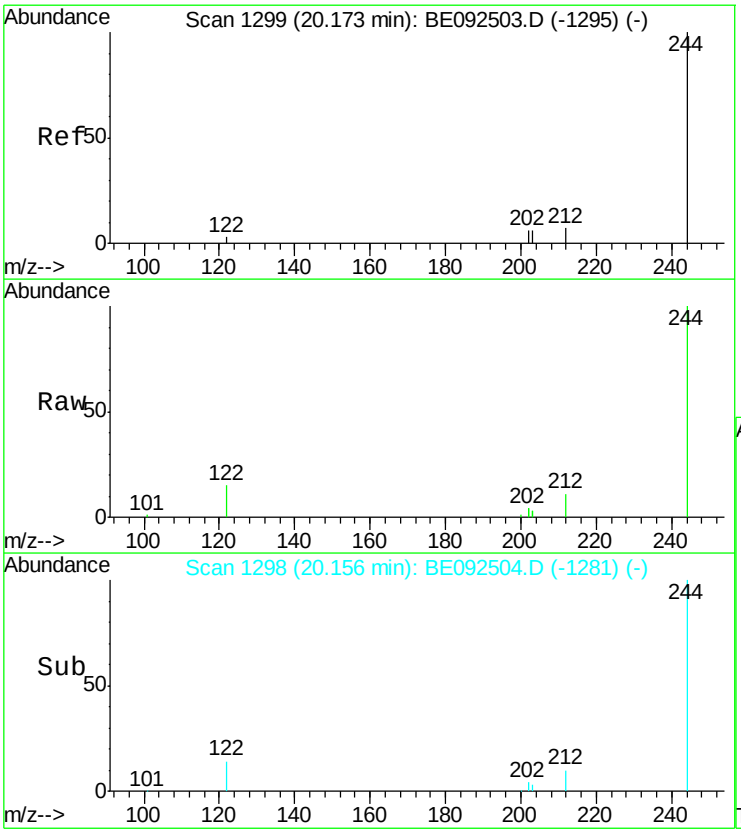
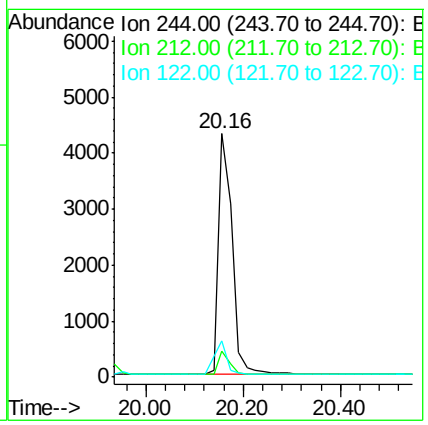
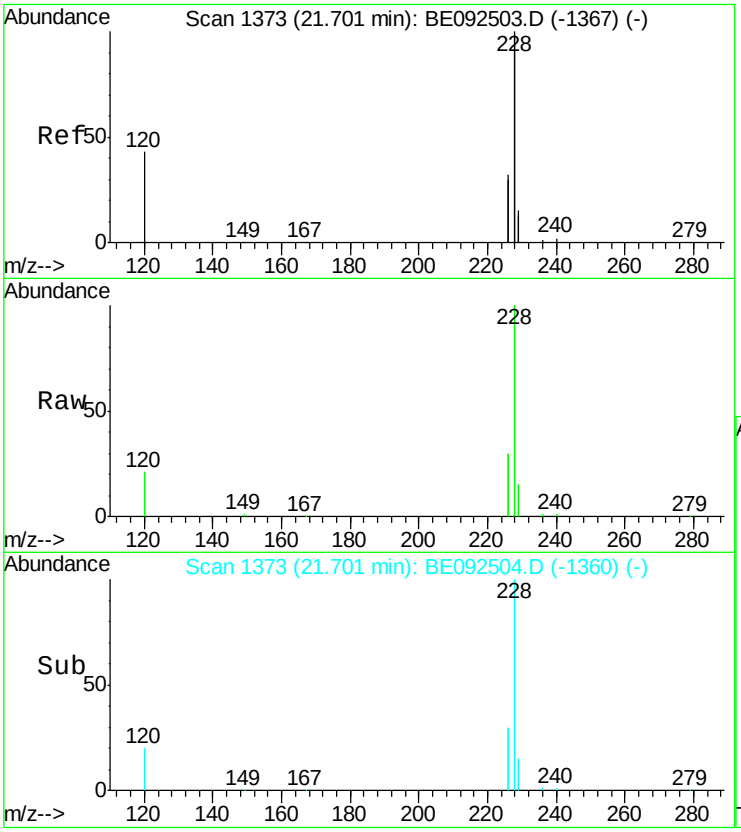


#26
Terphenyl-d14
Concen: 0.76 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:244 Resp: 8390

Ion	Ratio	Lower	Upper
244	100		
212	10.5	6.7	10.1#
122	14.9	3.6	5.4#

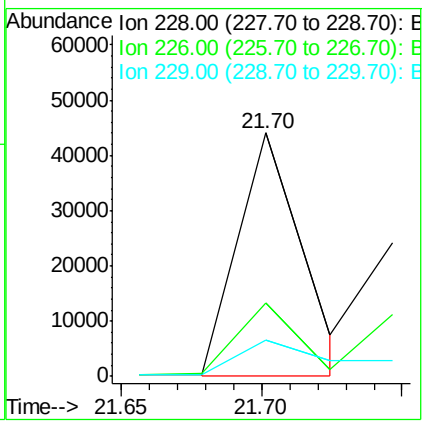




#27
Benzo(a)anthracene
Concen: 0.85 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:228 Resp: 70139

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.6	35.4
229	14.8	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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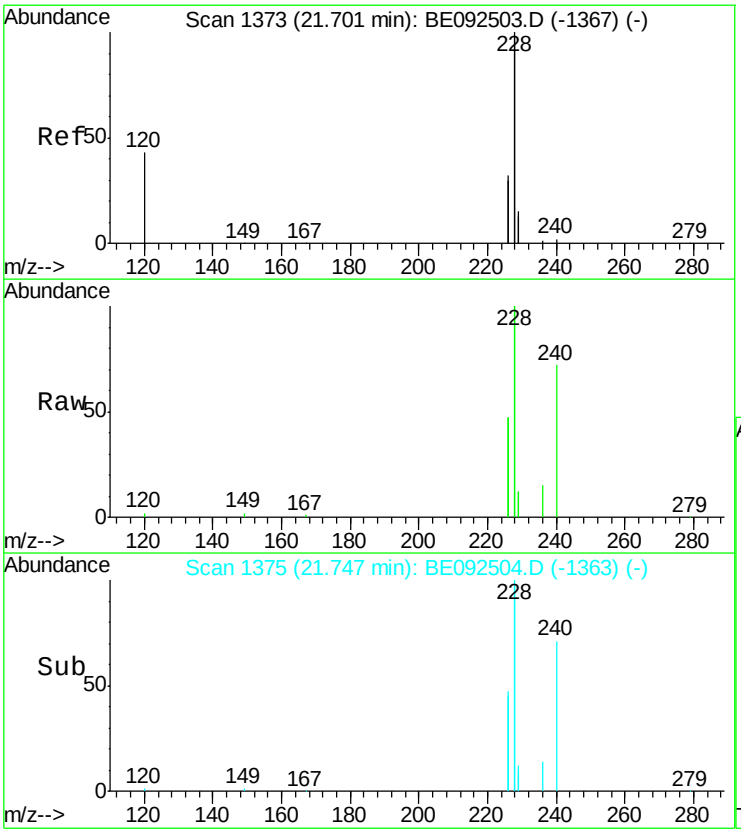
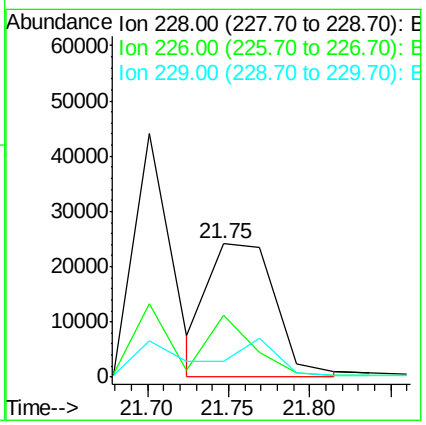
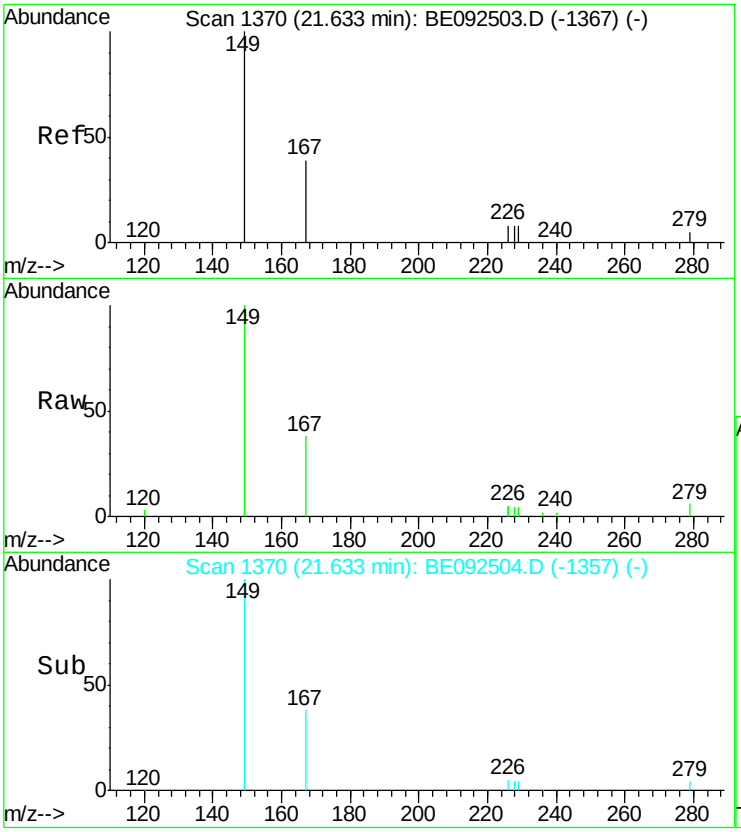


#28
Chrysene
Concen: 0.79 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:228 Resp: 69169

Ion	Ratio	Lower	Upper
228	100		
226	46.6	36.3	54.5
229	11.5	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.95 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:149 Resp: 6523

Ion	Ratio	Lower	Upper
149	100		
167	28.2	16.0	24.0#
279	3.5	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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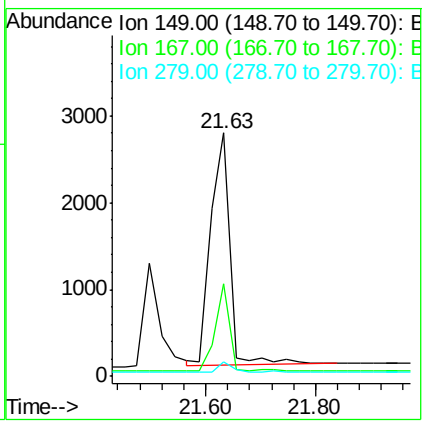
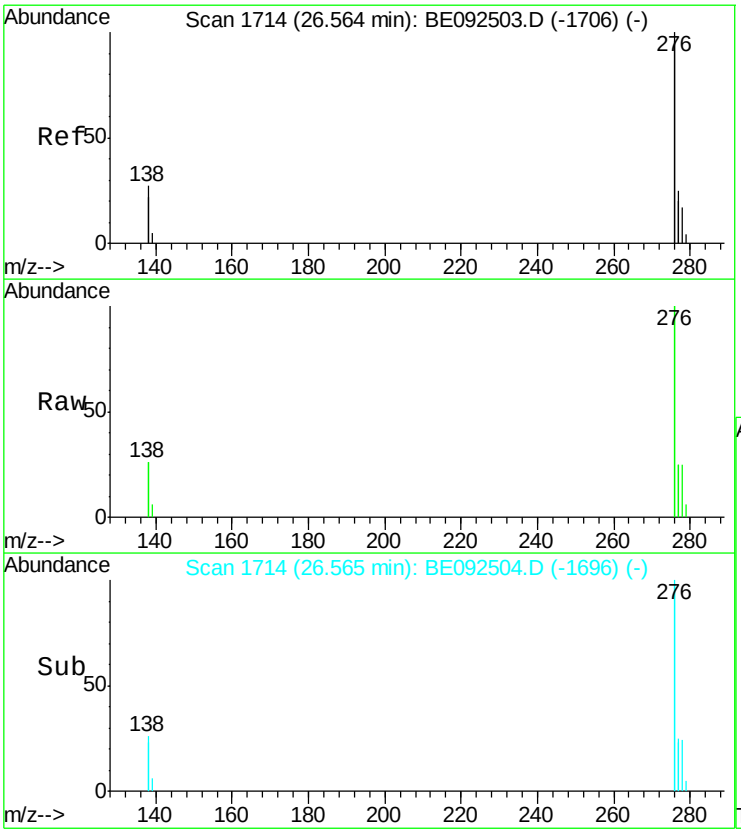
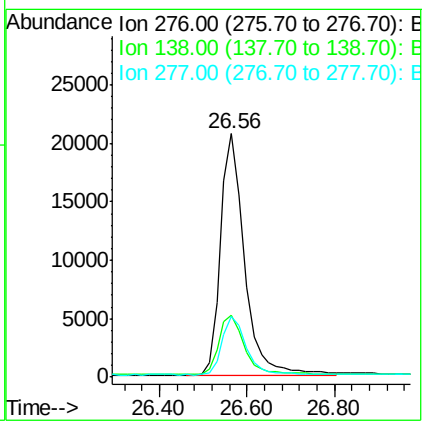


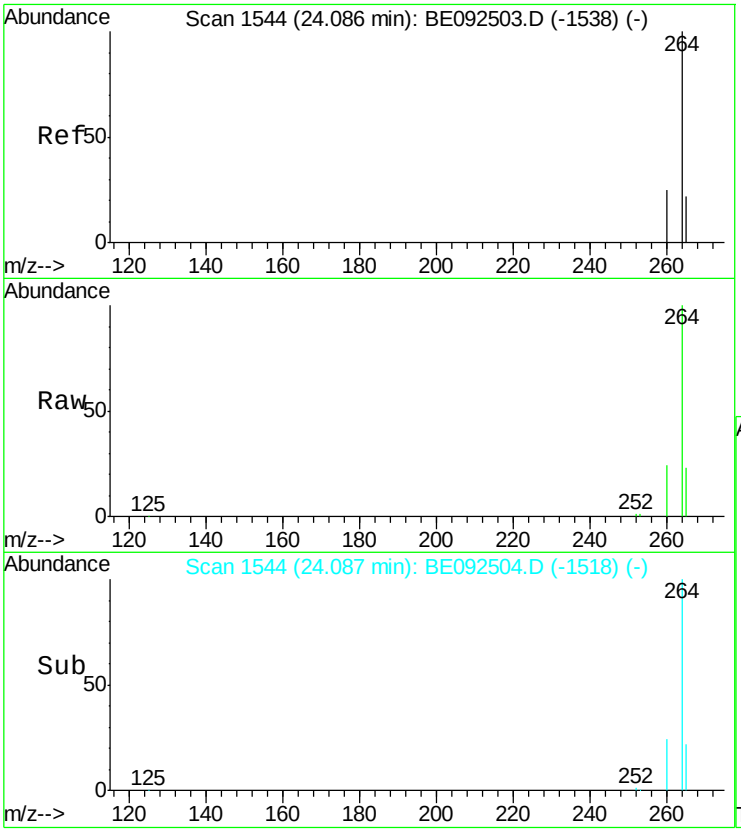


#30
Indeno(1,2,3-cd)pyrene
Concen: 1.02 ng
RT: 26.56 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:276 Resp: 78653

Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.3	30.5
277	24.7	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:264 Resp: 85788

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	22.5	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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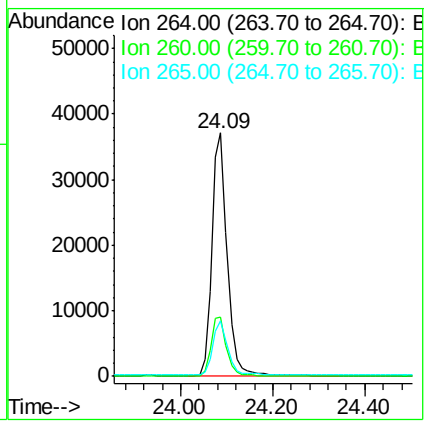
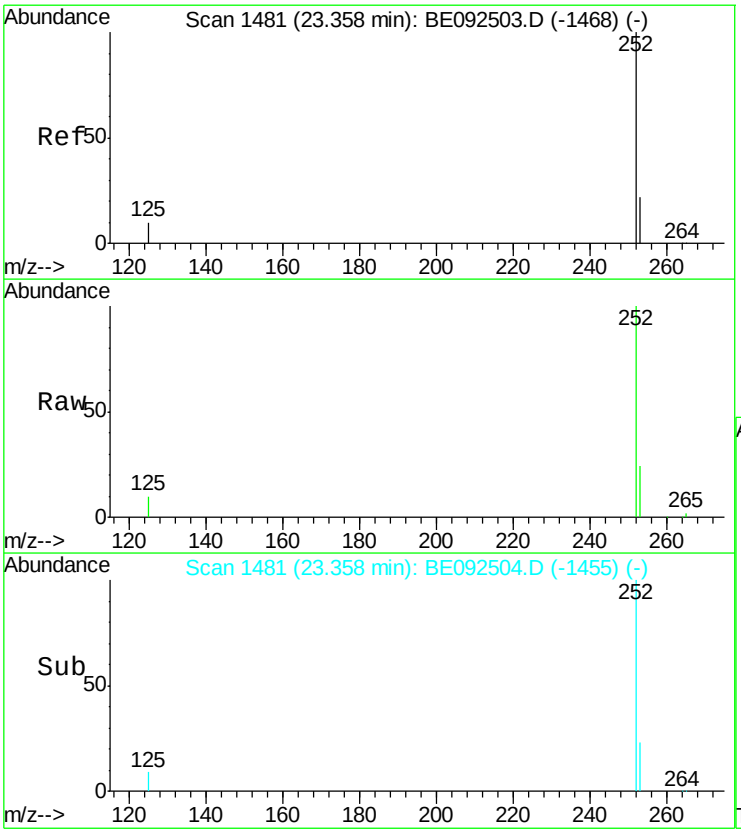
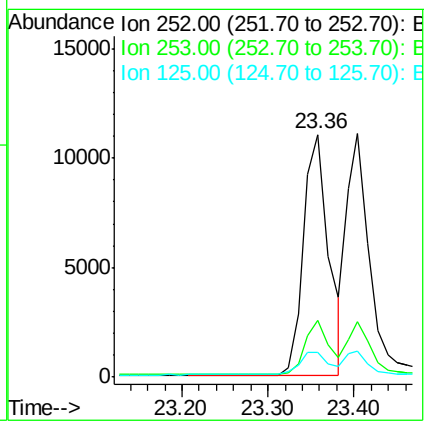


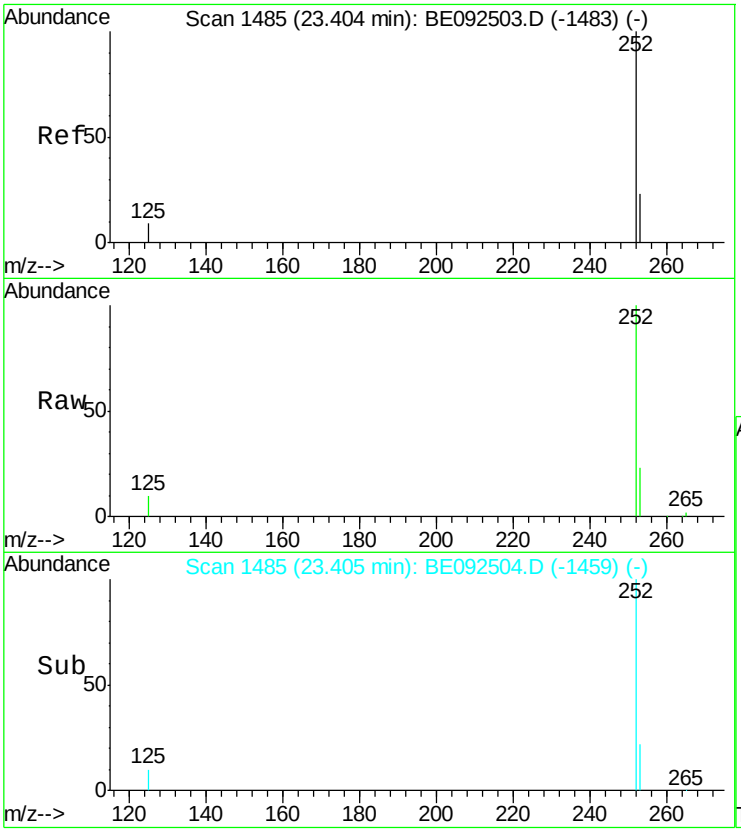


#32
Benzo(b)fluoranthene
Concen: 1.05 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:252 Resp: 22478

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.7	28.1
125	10.4	10.5	15.7#

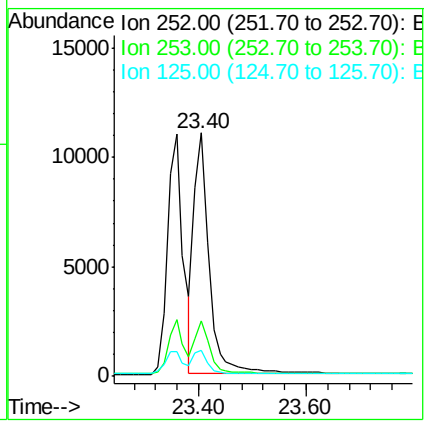




#33
Benzo(k)fluoranthene
Concen: 1.01 ng
RT: 23.40 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:252 Resp: 21434

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.3	30.5
125	10.5	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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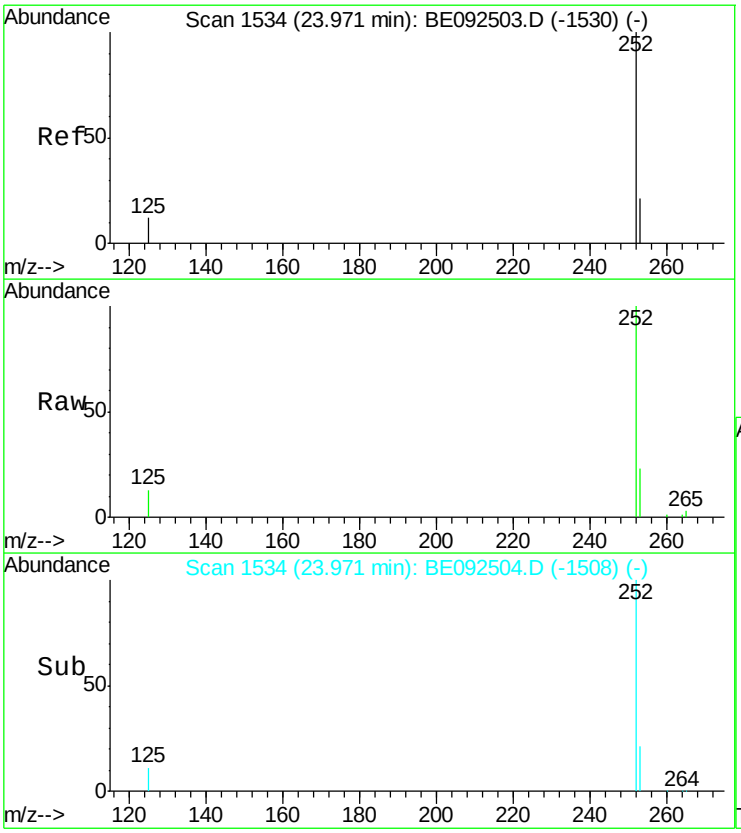
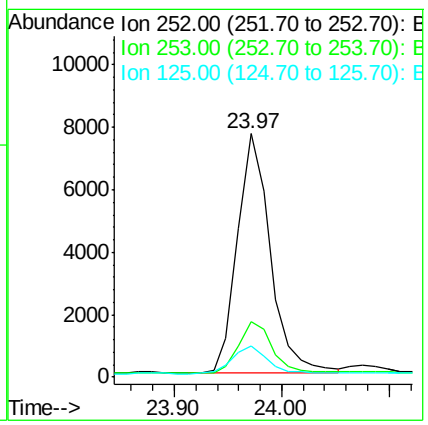
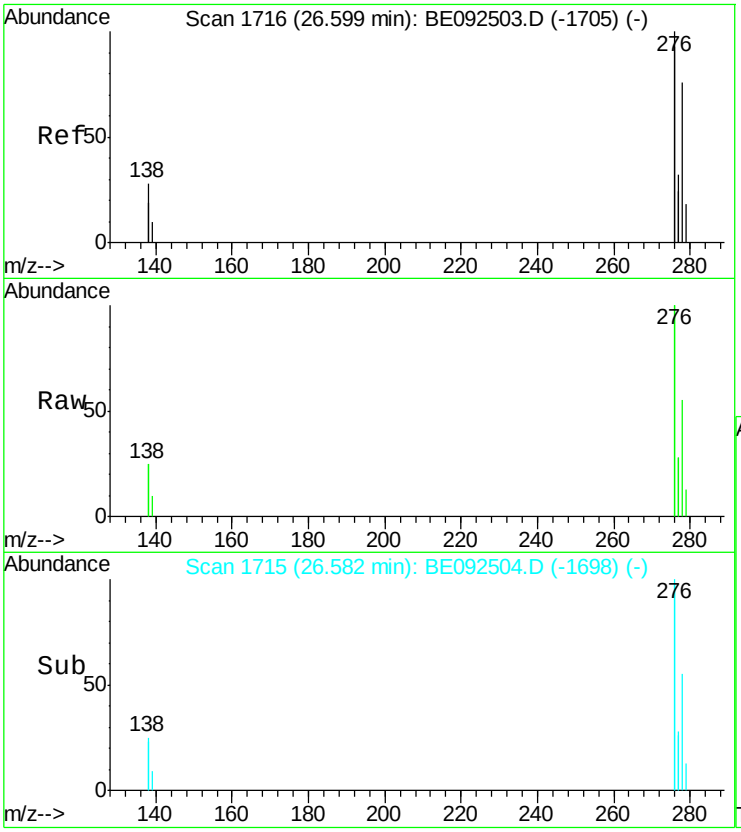


#34
Benzo(a)pyrene
Concen: 0.85 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:252 Resp: 16419

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.0	28.6
125	12.7	11.8	17.8

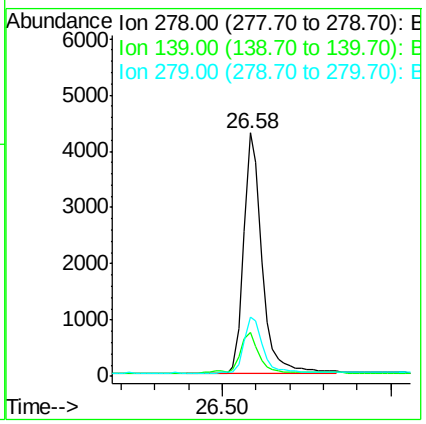




#35
Dibenzo(a,h)anthracene
Concen: 0.90 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:278 Resp: 16306

Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.8	20.8
279	24.1	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

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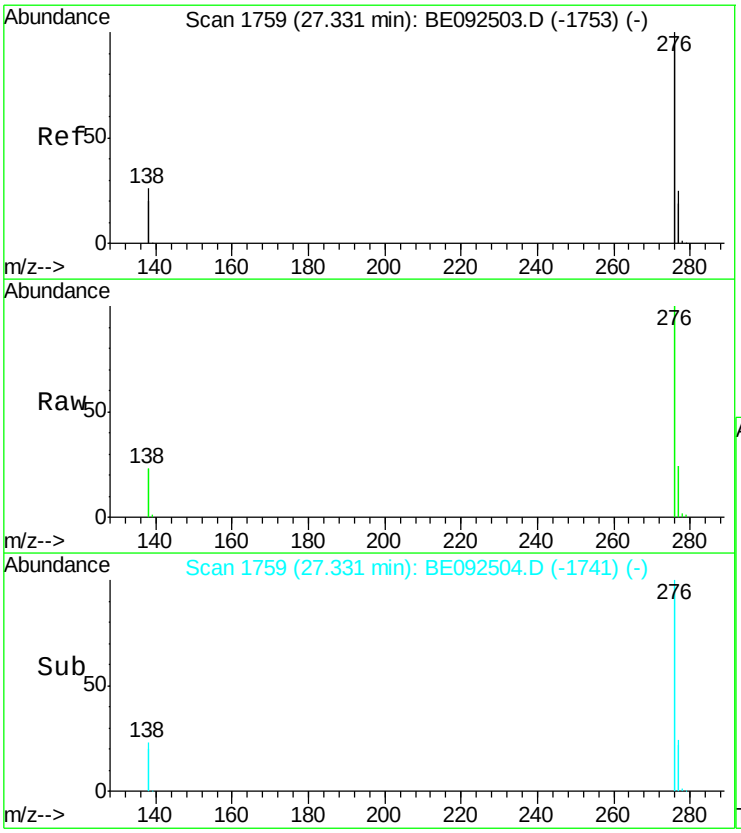

#36
Benzo(g,h,i)perylene
Concen: 0.86 ng
RT: 27.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BE092504.D
Acq: 8 Nov 2016 12:08

Tgt Ion:276 Resp: 67281

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	23.2	19.8	29.6