Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110816\
Data File : BE092509.D
Acq On : 8 Nov 2016 15:16
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE110816

Manual Integrations APPROVED
umangi
11/9/2016 10:58:53 AM

Quant Time: Nov 08 16:31:51 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 16:27:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8006	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	38057	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	27227	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	61660	5.00	ng		0.00
24) Chrysene-d12	21.72	240	93636	5.00	ng		0.00
31) Perylene-d12	24.09	264	86333	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.66	112	674	0.38	ng		0.00
5) Phenol-d6	7.33	99	842	0.36	ng		0.00
8) Nitrobenzene-d5	9.34	82	925m	0.37	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	242	0.47	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2750	0.41	ng		0.00
26) Terphenyl-d14	20.16	244	4242	0.37	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	529	0.43	ng		90
3) n-Nitrosodimethylamine	3.76	42	481	0.41	ng		94
6) bis(2-Chloroethyl)ether	7.59	93	938	0.36	ng	#	28
9) Naphthalene	10.99	128	3258	0.40	ng		98
10) Hexachlorobutadiene	11.26	225	515	0.41	ng		99
11) 2-Methylnaphthalene	12.62	142	2091	0.39	ng		94
15) Acenaphthylene	14.51	152	15193	0.39	ng		100
16) Acenaphthene	14.87	154	2490	0.39	ng		97
17) Fluorene	15.85	166	3097	0.39	ng		99
19) Hexachlorobenzene	16.87	284	951m	0.41	ng		
20) Pentachlorophenol	17.23	266	218	0.32	ng		98
21) Phenanthrene	17.60	178	5703	0.43	ng	#	74
22) Anthracene	17.69	178	5168	0.40	ng		99
23) Fluoranthene	19.59	202	26910	0.40	ng		100
25) Pyrene	19.95	202	28141	0.37	ng		100
27) Benzo(a)anthracene	21.70	228	36027m	0.38	ng		
28) Chrysene	21.77	228	38895m	0.36	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	3332	0.41	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.56	276	39550	0.38	ng		98
32) Benzo(b)fluoranthene	23.36	252	13529	0.42	ng		97
33) Benzo(k)fluoranthene	23.41	252	12601	0.36	ng		97
34) Benzo(a)pyrene	23.97	252	8515	0.38	ng		99
35) Dibenzo(a,h)anthracene	26.58	278	8105	0.39	ng		95
36) Benzo(g,h,i)perylene	27.33	276	33546	0.39	ng		100

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
ICVBE110816

Manual Integrations APPROVED
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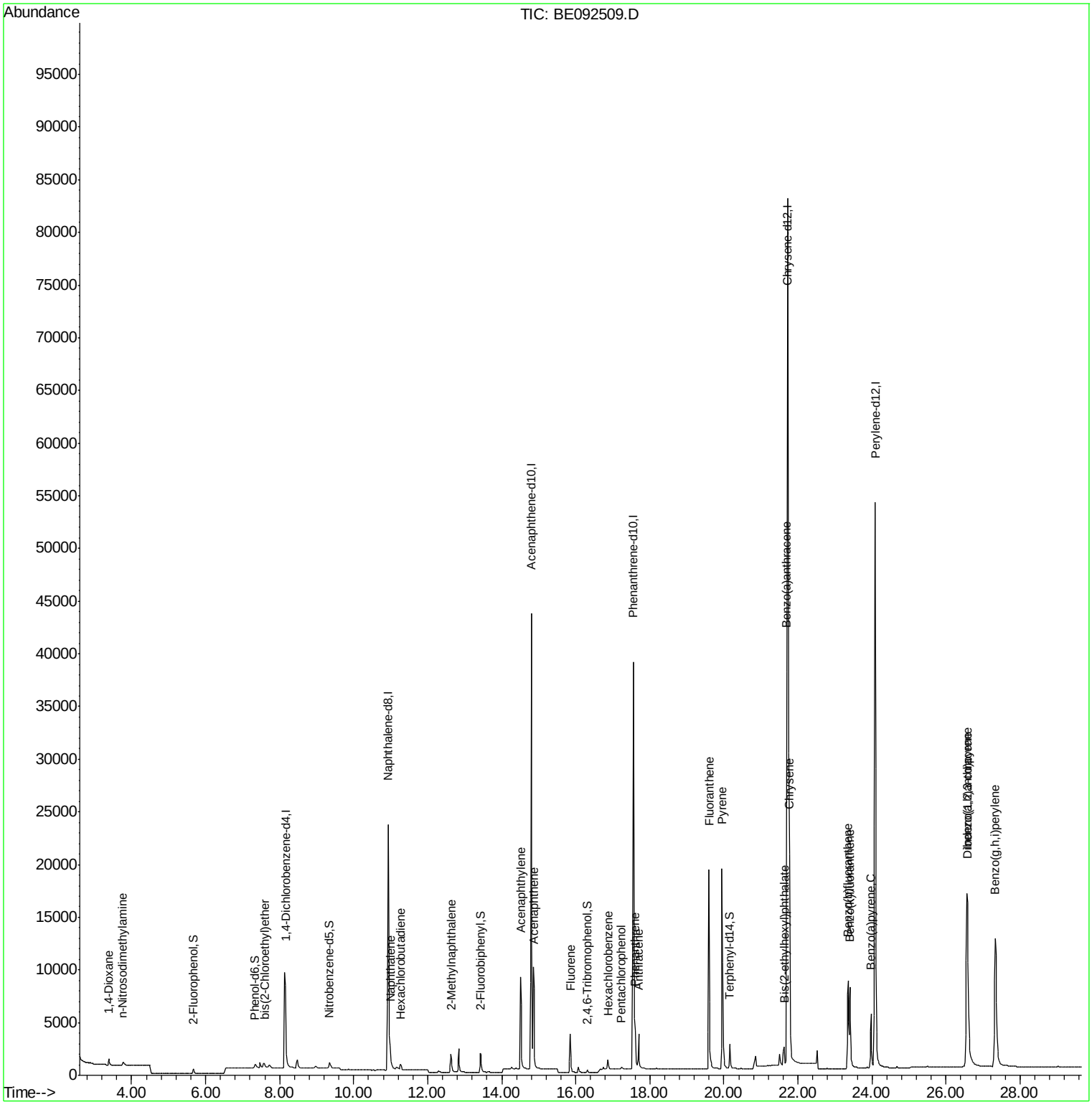
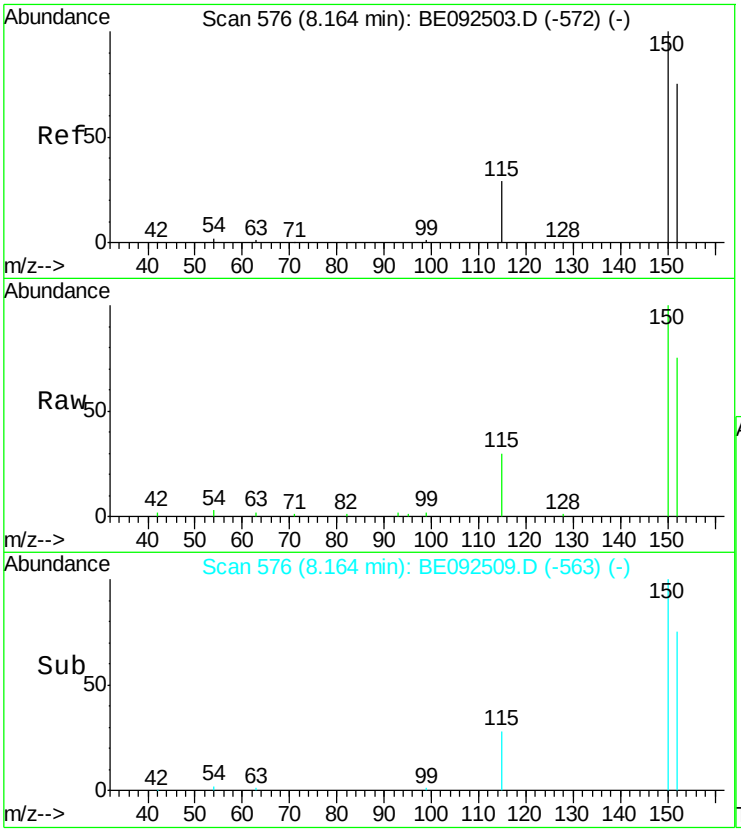
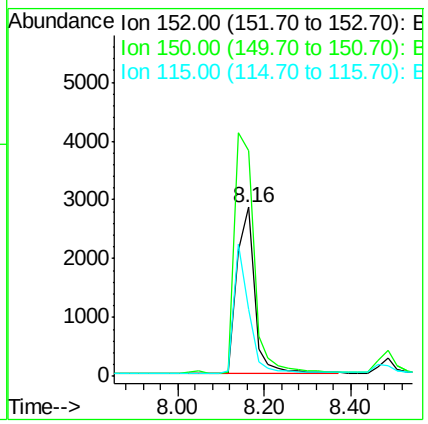




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:152 Resp: 8006

Ion	Ratio	Lower	Upper
152	100		
150	133.6	106.0	159.0
115	39.4	31.2	46.8



Instrument :
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ClientSampleId :
ICVBE110816

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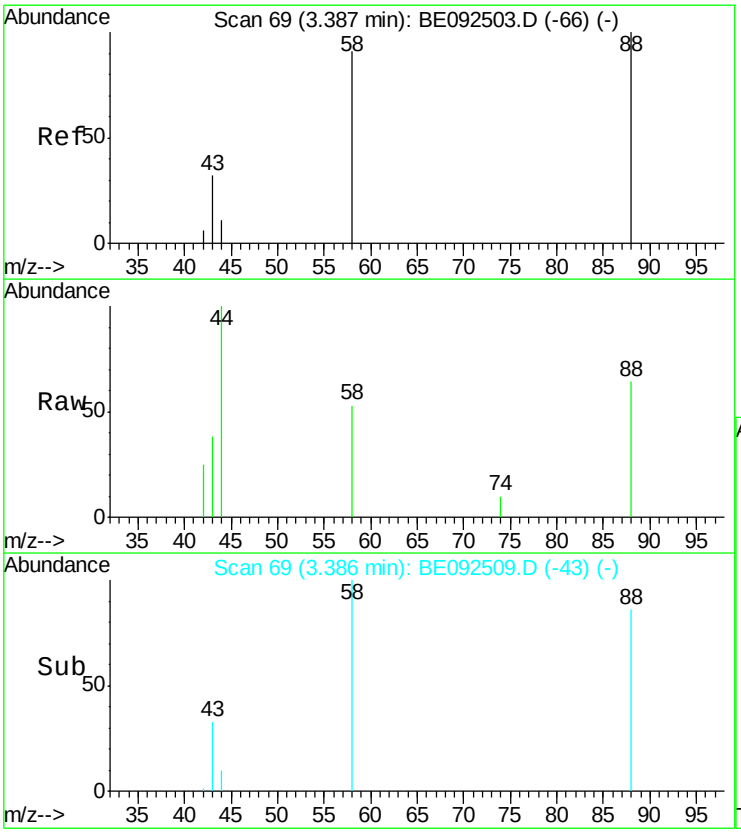
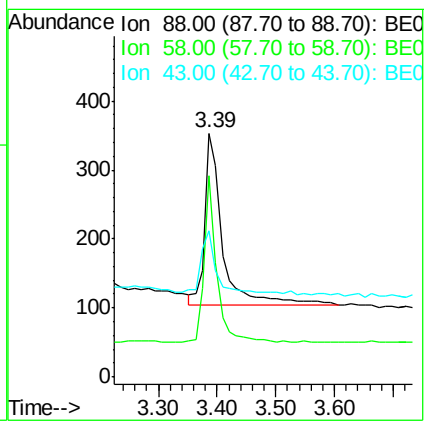
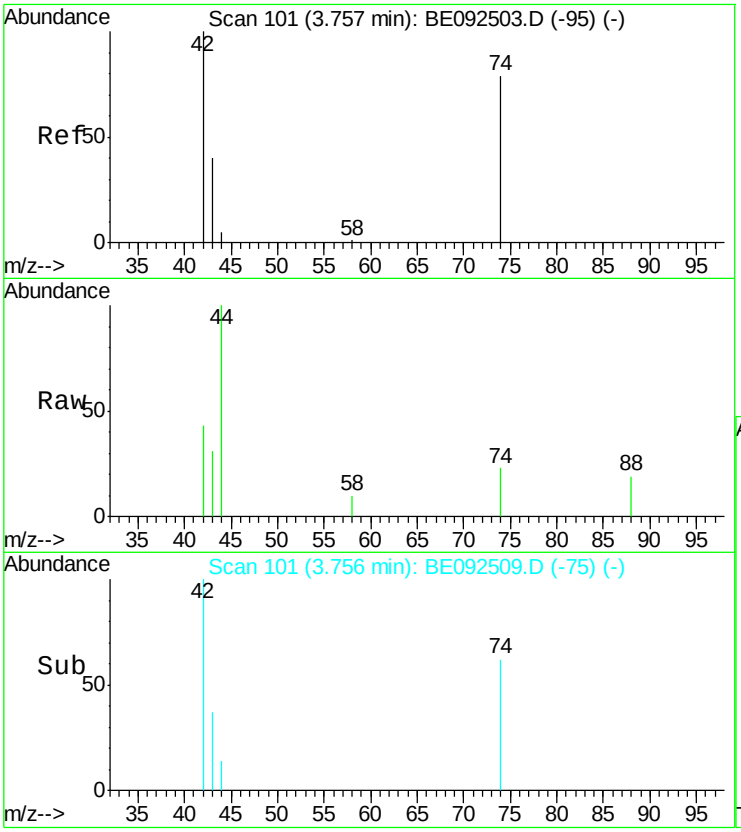


#2
1,4-Dioxane
Concen: 0.43 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion: 88 Resp: 529

Ion	Ratio	Lower	Upper
88	100		
58	67.5	63.6	95.4
43	35.5	28.0	42.0

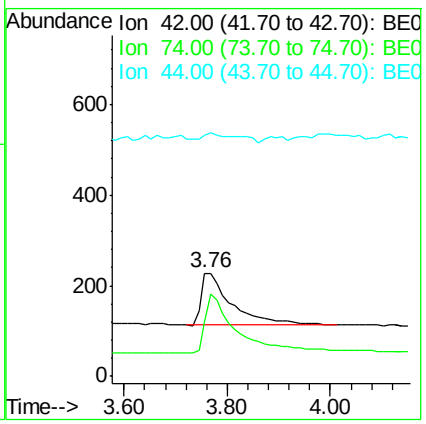




#3
n-Nitrosodimethylamine
Concen: 0.41 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion: 42 Resp: 481

Ion	Ratio	Lower	Upper
42	100		
74	114.6	86.0	129.0
44	6.9	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
ICVBE110816

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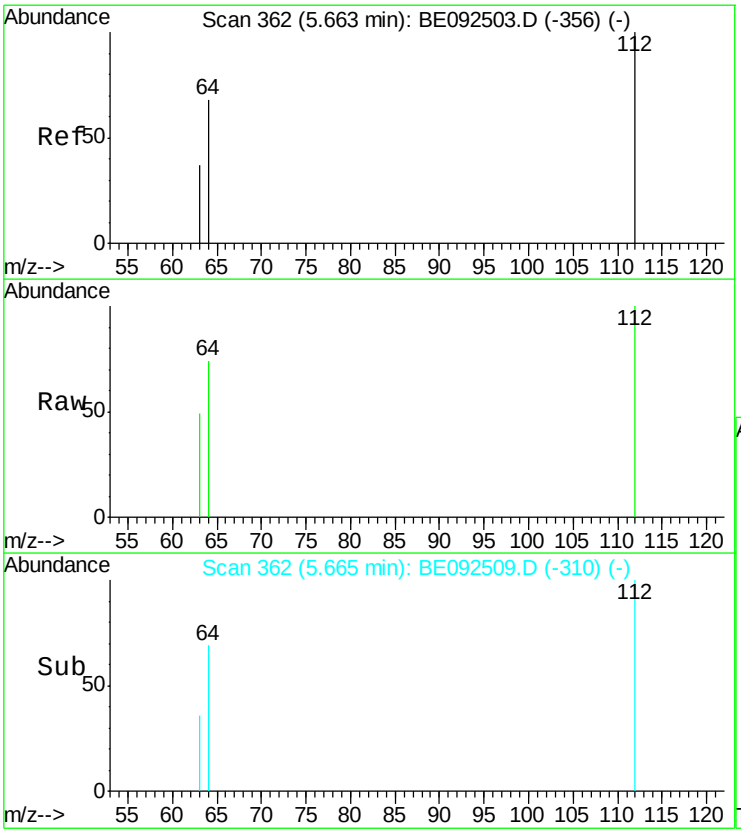
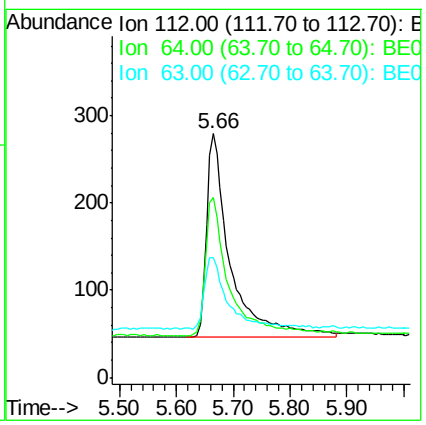
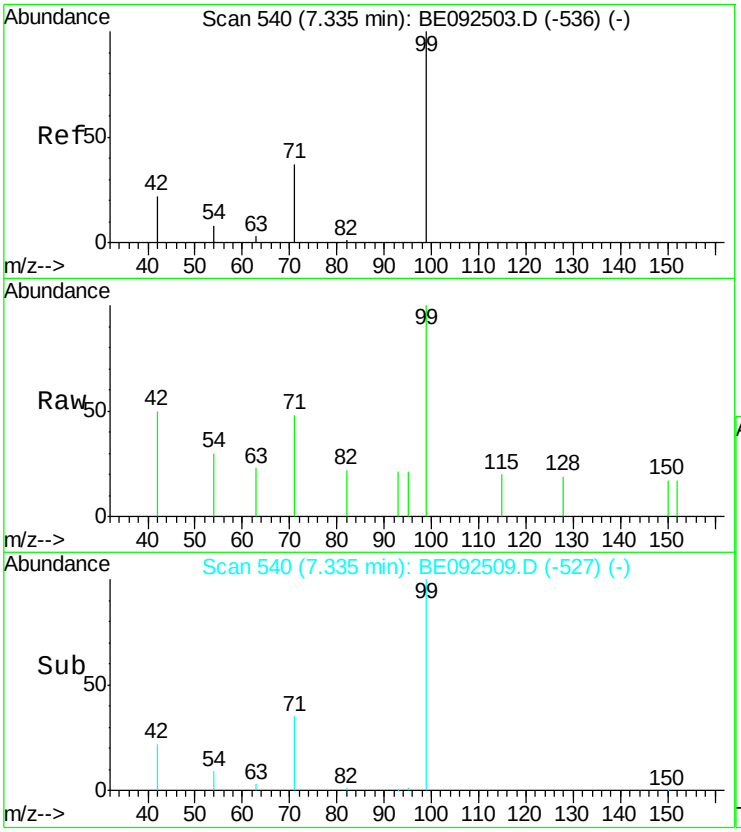


#4
2-Fluorophenol
Concen: 0.38 ng
RT: 5.66 min Scan# 362
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:112 Resp: 674

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.5	80.3
63	34.4	27.9	41.9

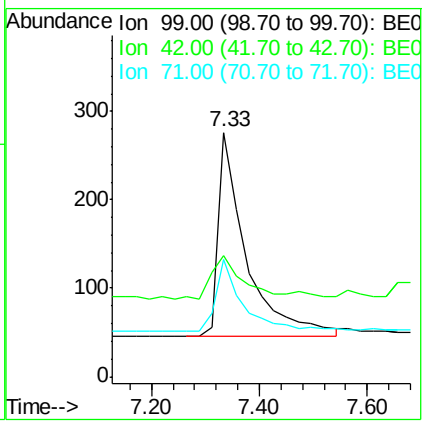




#5
Phenol-d6
Concen: 0.36 ng
RT: 7.33 min Scan# 540
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion: 99 Resp: 842

Ion	Ratio	Lower	Upper
99	100		
42	23.6	16.0	24.0
71	34.4	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
ICVBE110816

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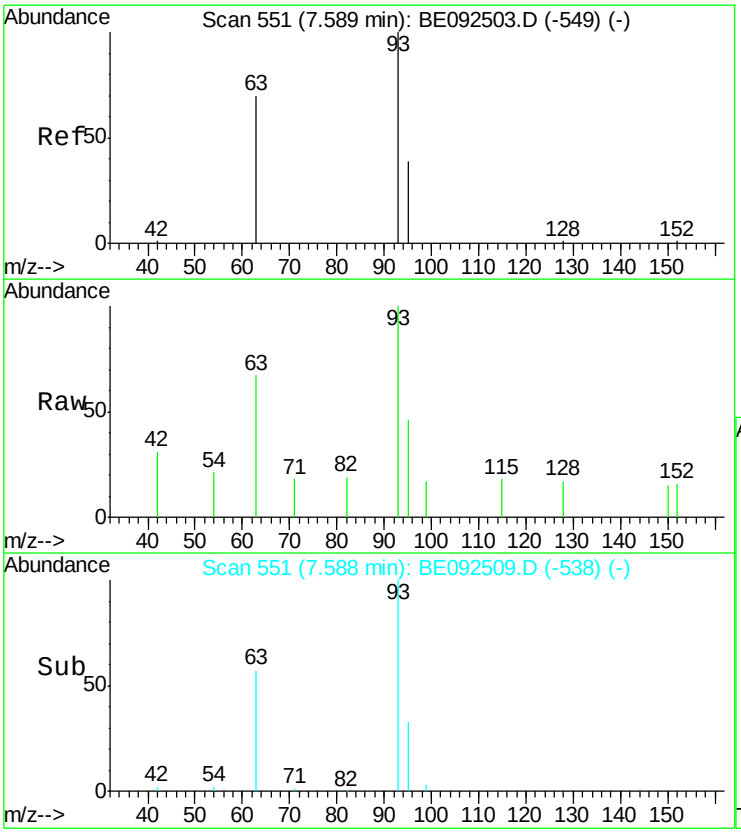
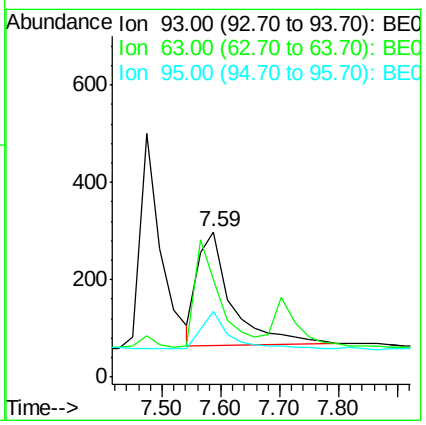
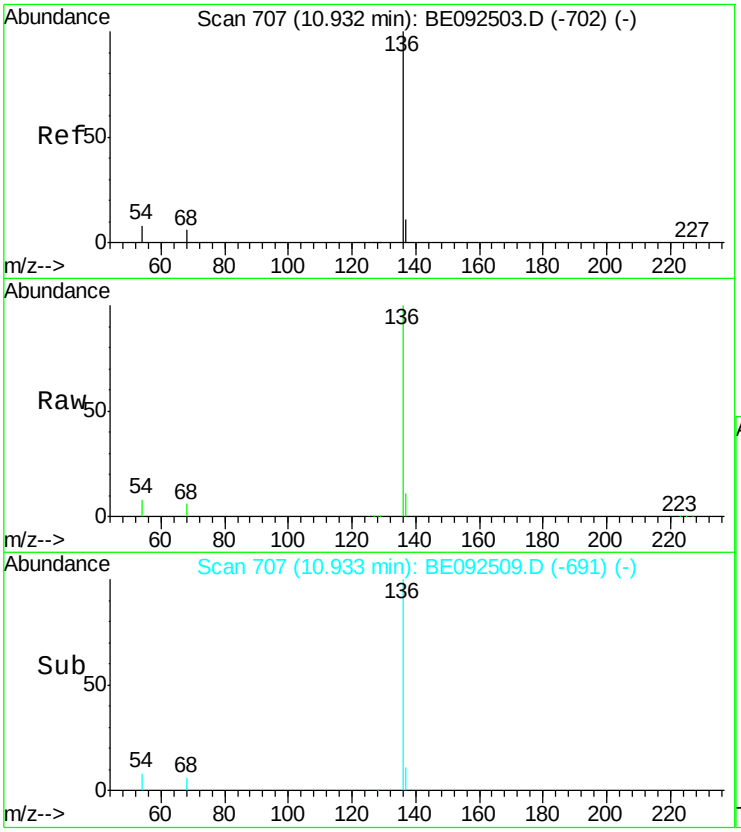


#6
bis(2-Chloroethyl)ether
Concen: 0.36 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion: 93 Resp: 938

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	28.1	24.0	36.0

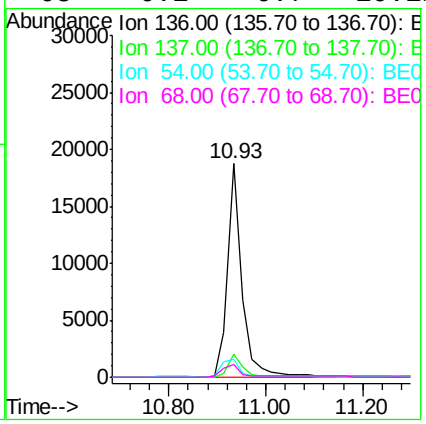




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:136 Resp: 38057

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	8.2	9.6	14.4#
68	6.1	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
ICVBE110816

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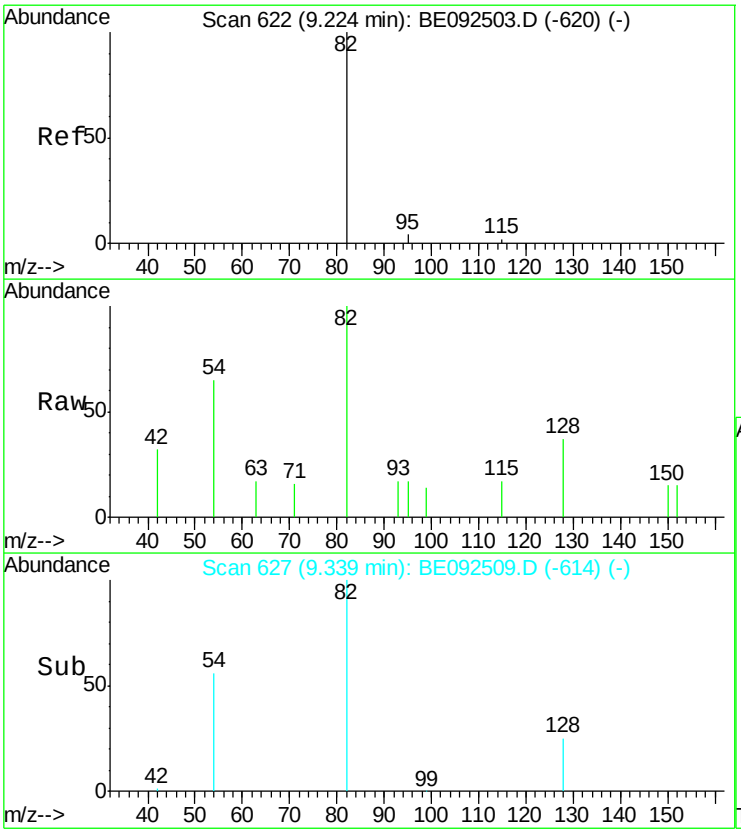
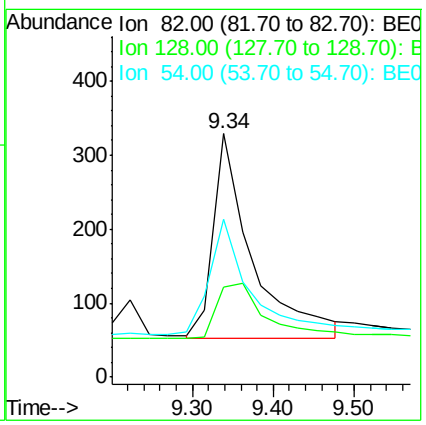
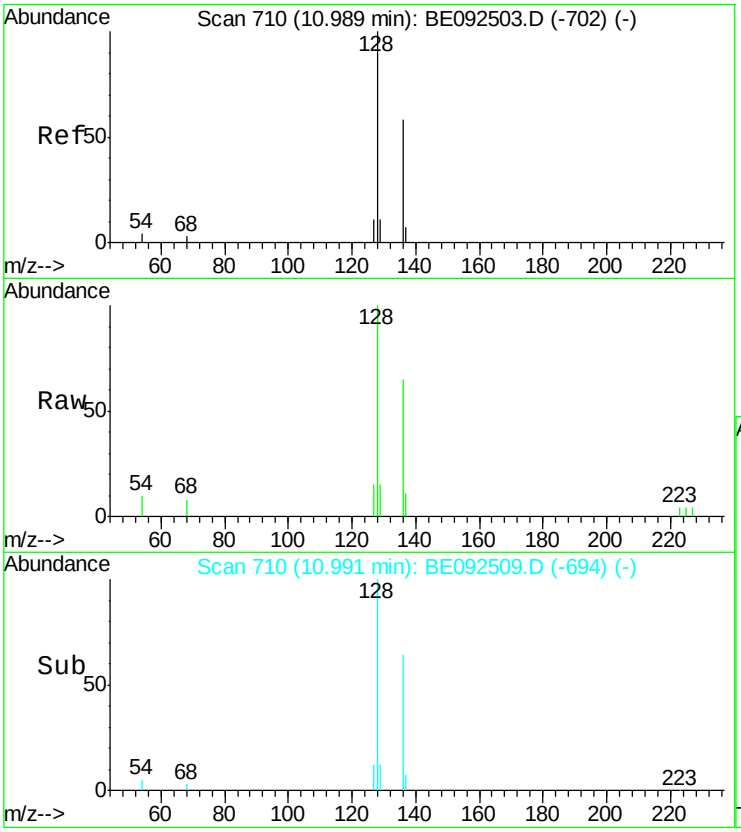


#8
Nitrobenzene-d5
Concen: 0.37 ng m
RT: 9.34 min Scan# 627
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion: 82 Resp: 925

Ion	Ratio	Lower	Upper
82	100		
128	36.8	39.0	58.4#
54	65.0	44.8	67.2

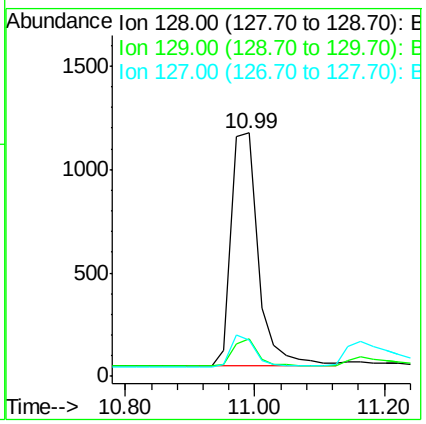




#9
Naphthalene
Concen: 0.40 ng
RT: 10.99 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:128 Resp: 3258

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



Instrument :
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ClientSampleId :
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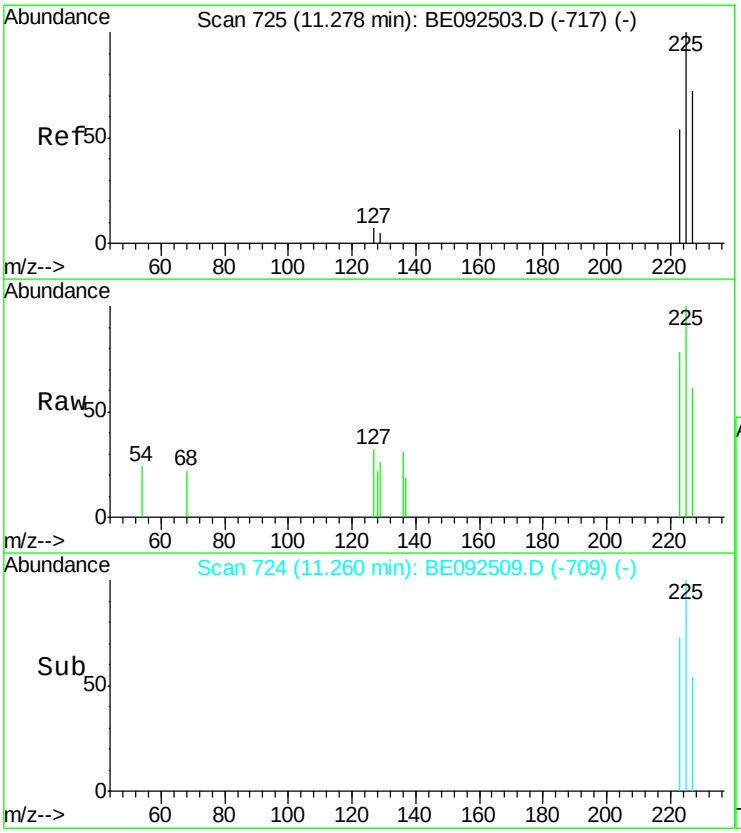
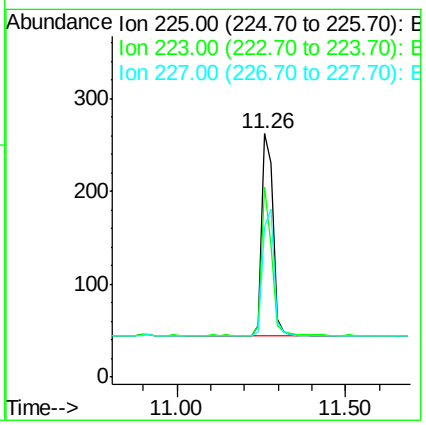
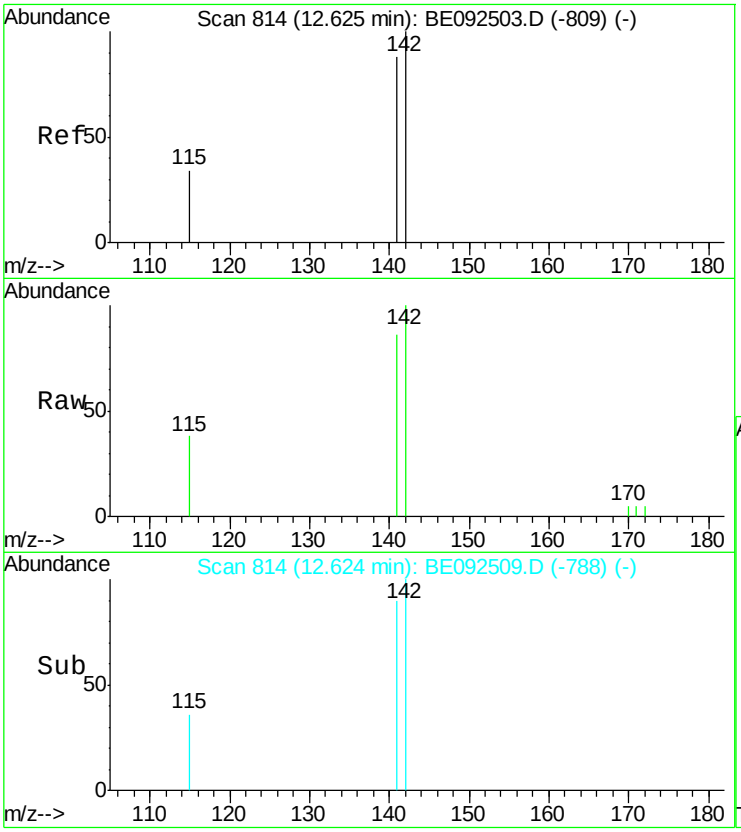


#10
Hexachlorobutadiene
Concen: 0.41 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.02 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:225 Resp: 515

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.6	76.0
227	63.3	51.4	77.0

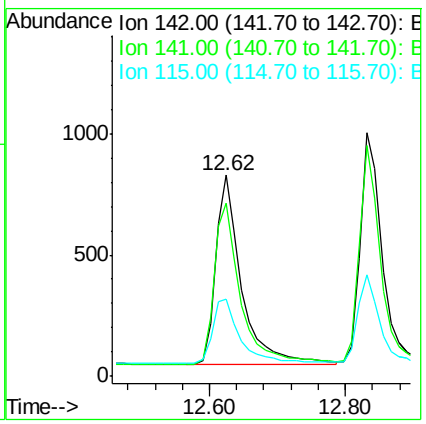




#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:142 Resp: 2091

Ion	Ratio	Lower	Upper
142	100		
141	86.2	73.7	110.5
115	38.1	34.0	51.0



Instrument :
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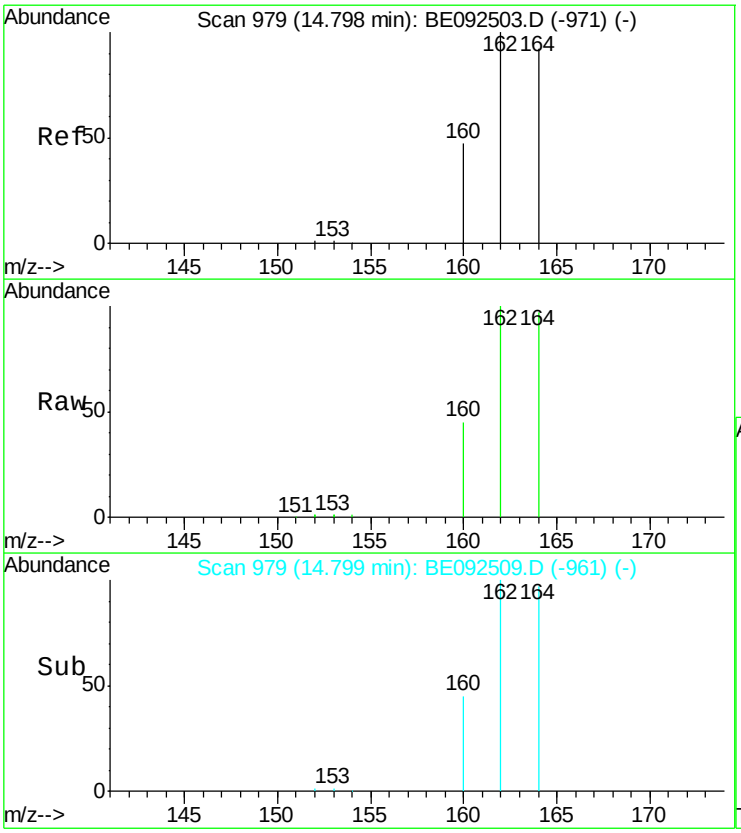
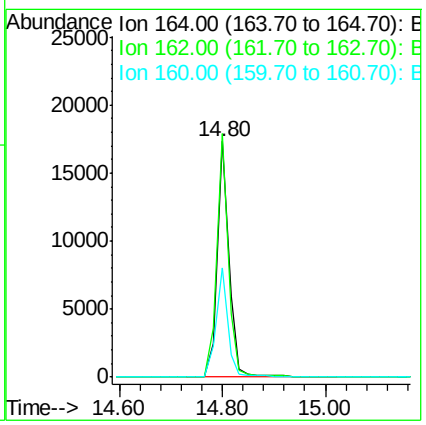
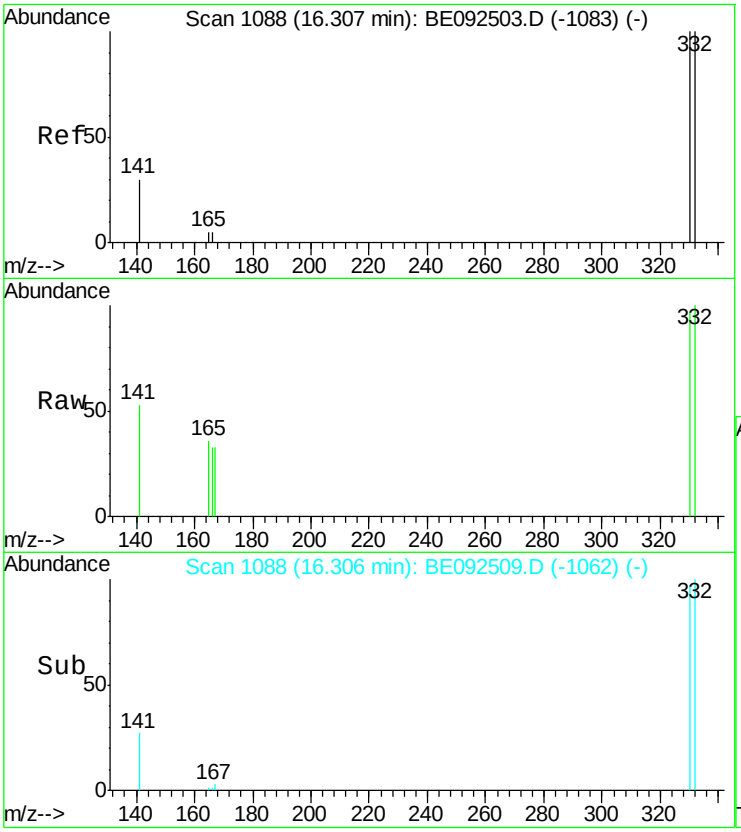


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:164 Resp: 27227

Ion	Ratio	Lower	Upper
164	100		
162	103.4	71.4	107.0
160	46.5	27.4	41.2#

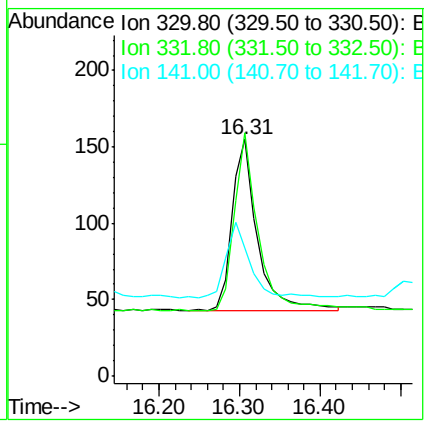




#13
2,4,6-Tribromophenol
Concen: 0.47 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:330 Resp: 242

Ion	Ratio	Lower	Upper
330	100		
332	100.8	75.4	113.0
141	43.8	31.0	46.6



Instrument :
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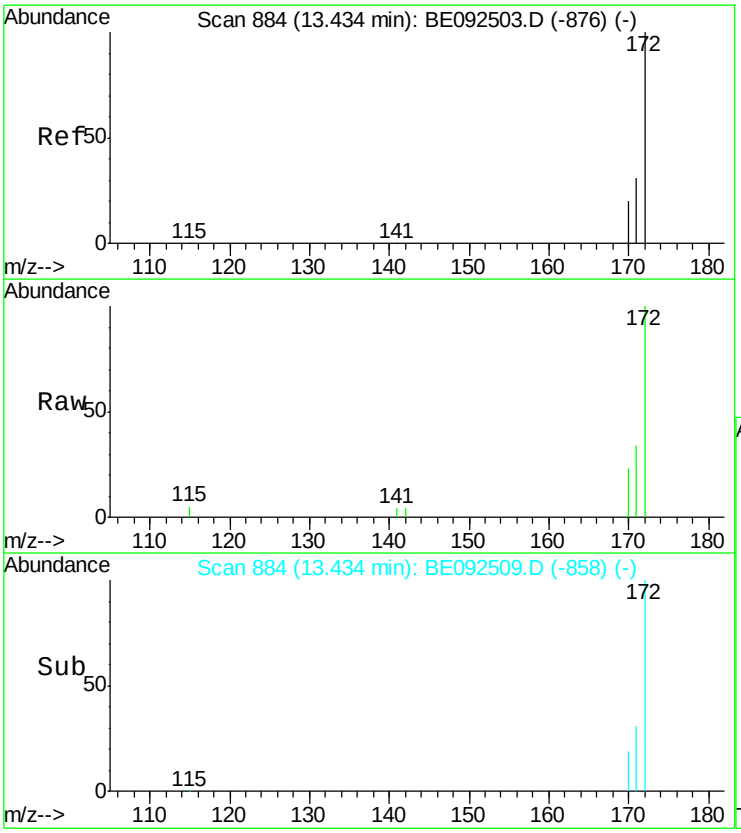
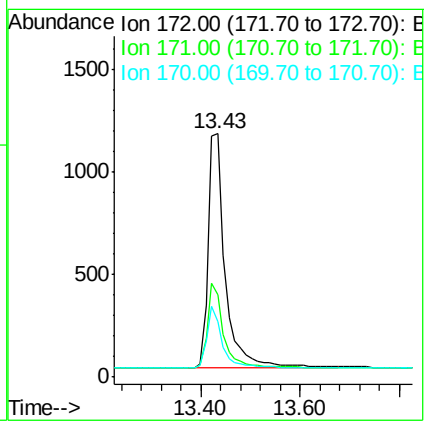
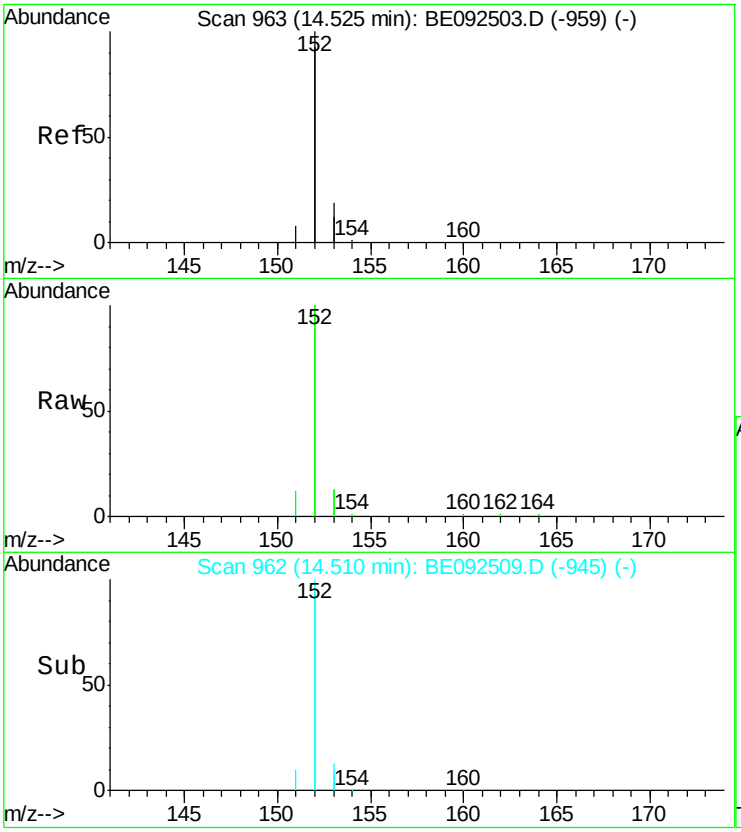


#14
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:172 Resp: 2750

Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.1	45.1
170	22.6	21.8	32.6

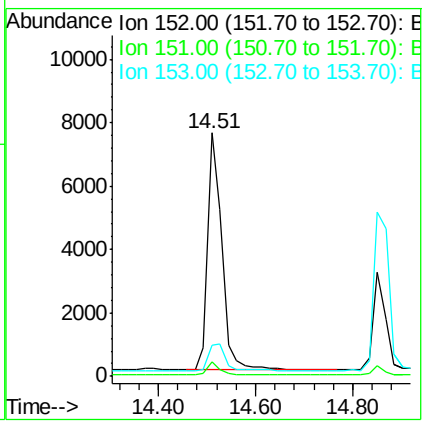




#15
Acenaphthylene
Concen: 0.39 ng
RT: 14.51 min Scan# 962
Delta R.T. -0.02 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:152 Resp: 15193

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.0	10.4	15.6



Instrument :
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ClientSampleId :
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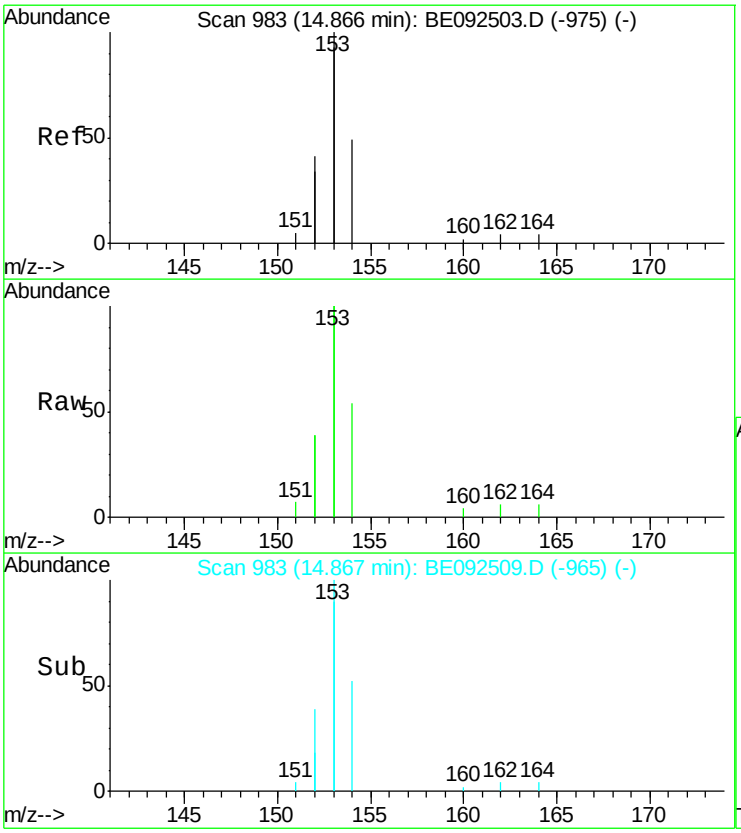
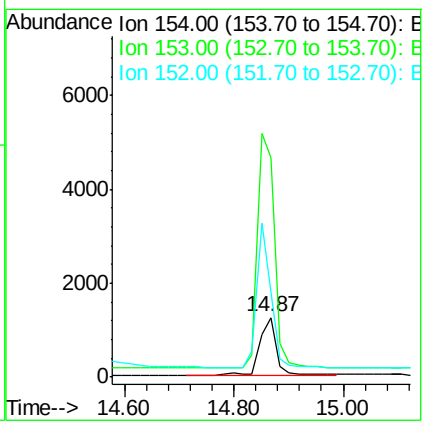
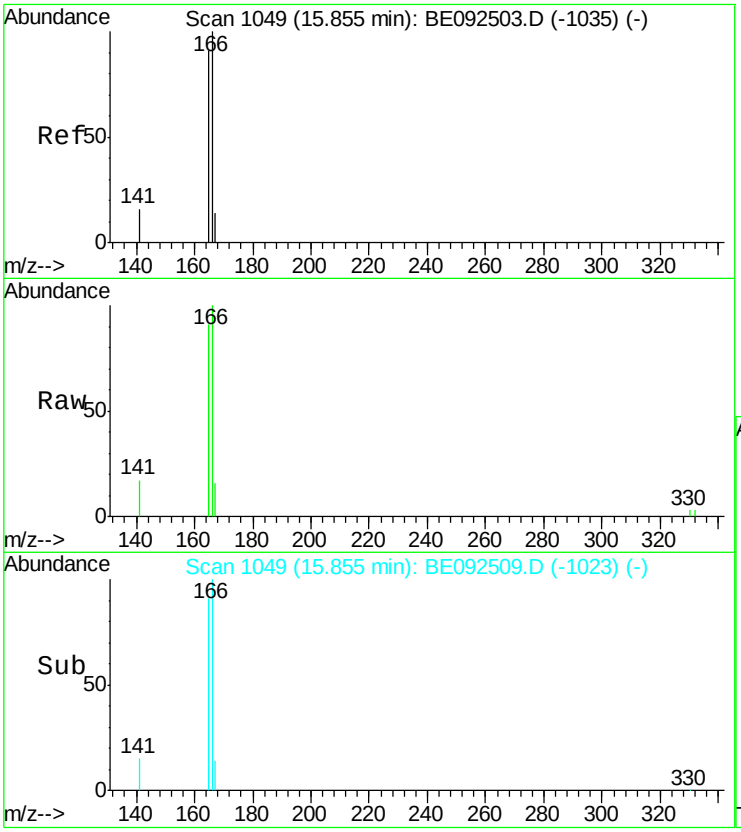


#16
Acenaphthene
Concen: 0.39 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:154 Resp: 2490

Ion	Ratio	Lower	Upper
154	100		
153	436.1	350.8	526.2
152	223.4	171.1	256.7

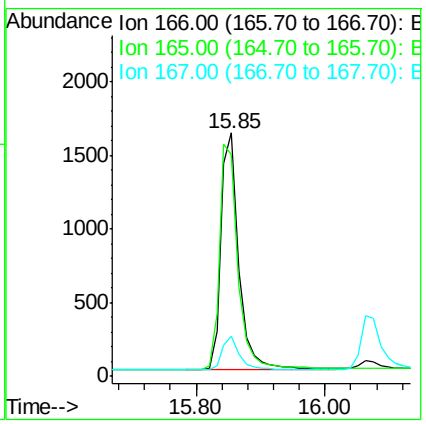




#17
Fluorene
Concen: 0.39 ng
RT: 15.85 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:166 Resp: 3097

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.9	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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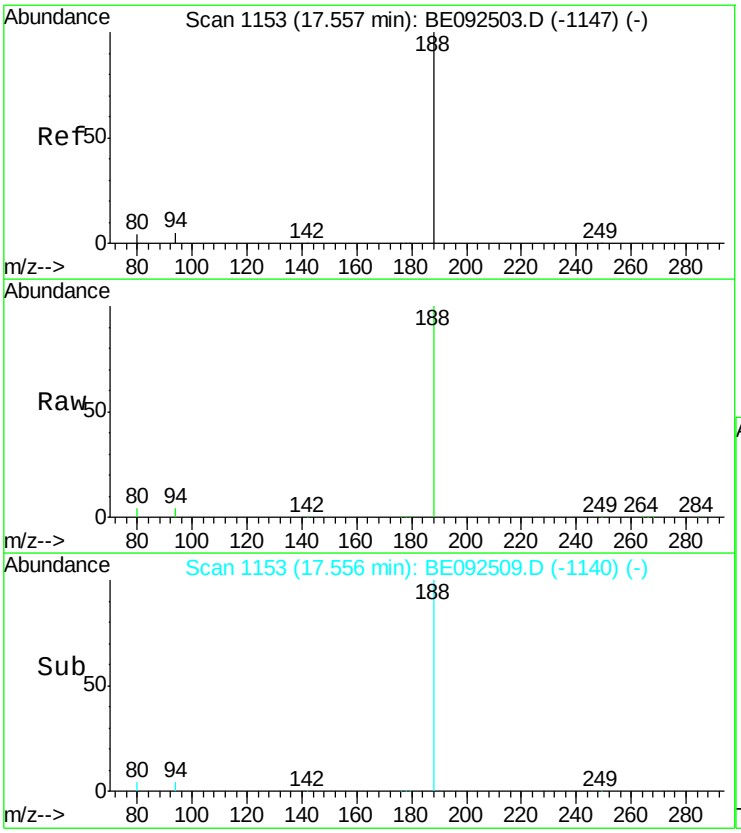
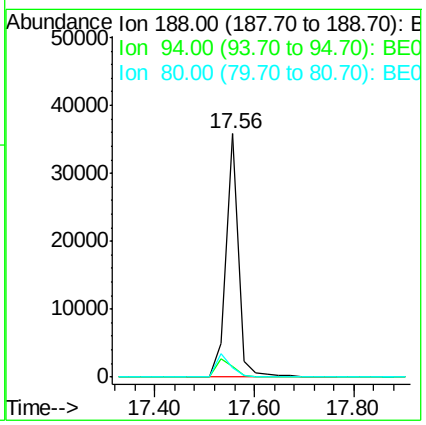
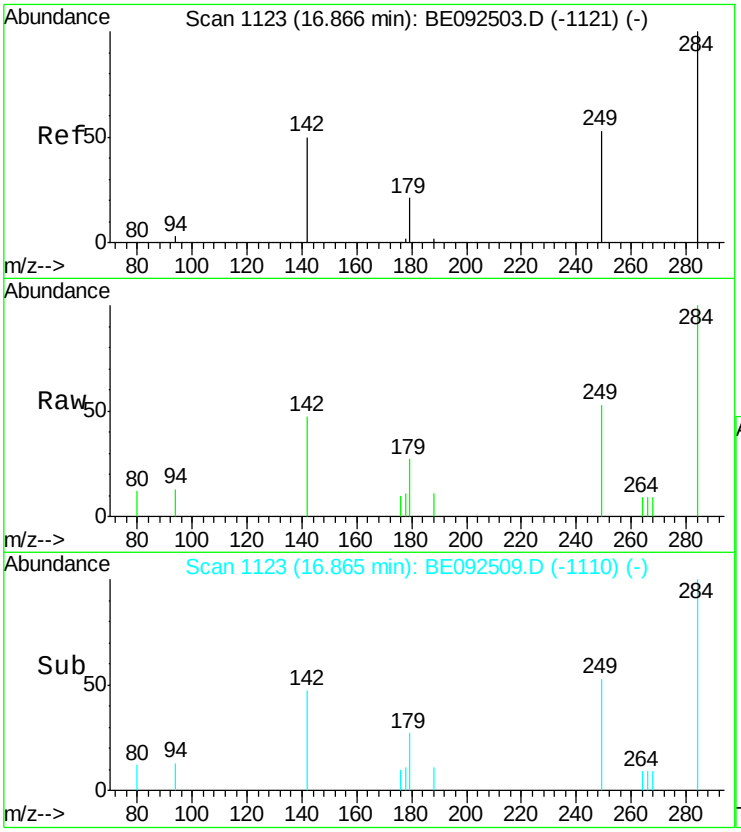


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:188 Resp: 61660

Ion	Ratio	Lower	Upper
188	100		
94	4.3	3.2	4.8
80	3.7	2.6	3.8

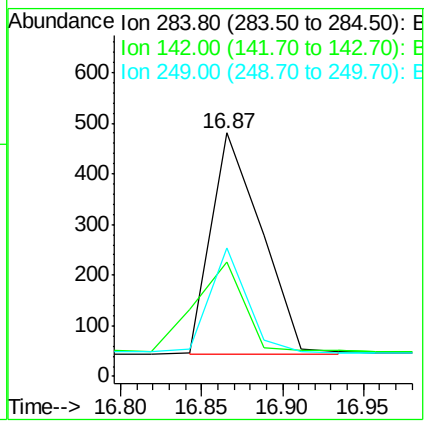




#19
Hexachlorobenzene
Concen: 0.41 ng m
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:284 Resp: 951

Ion	Ratio	Lower	Upper
284	100		
142	47.9	29.1	43.7#
249	43.4	27.9	41.9#



Instrument :
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ClientSampleId :
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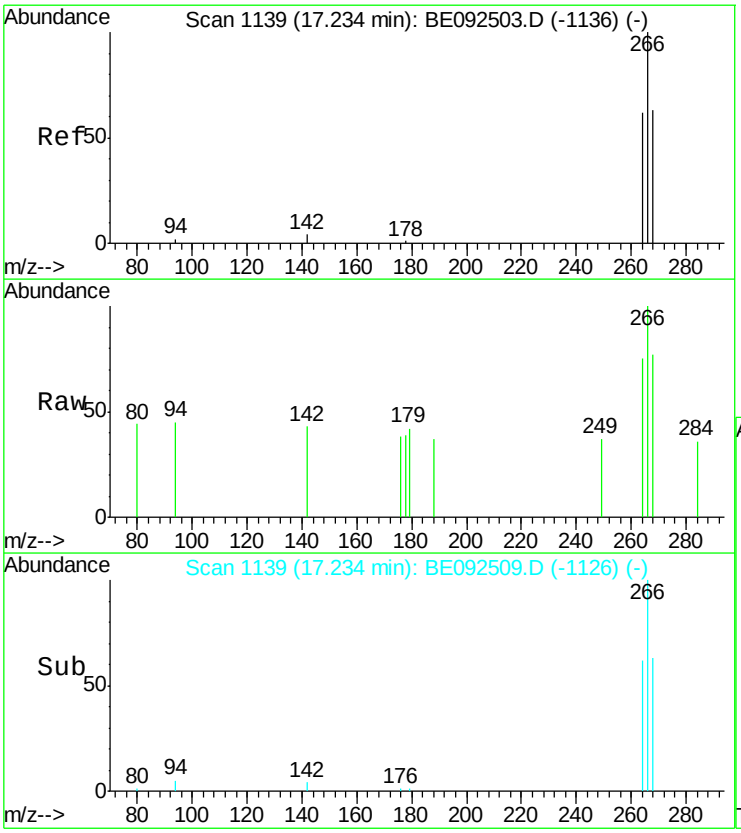
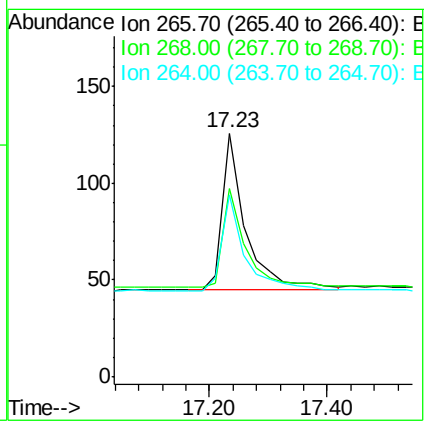
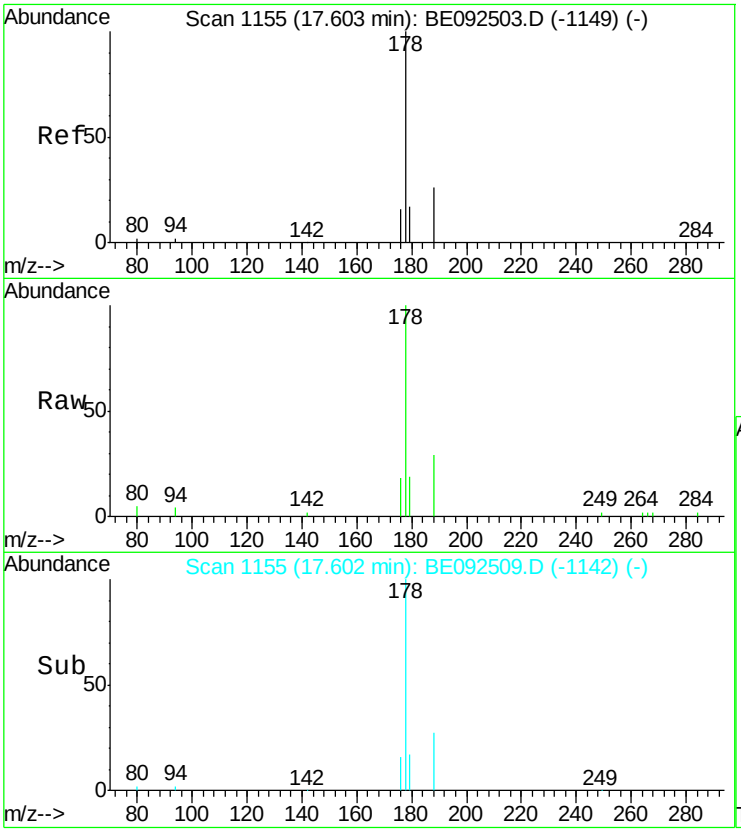


#20
Pentachlorophenol
Concen: 0.32 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:266 Resp: 218

Ion	Ratio	Lower	Upper
266	100		
268	77.0	62.5	93.7
264	74.6	57.2	85.8

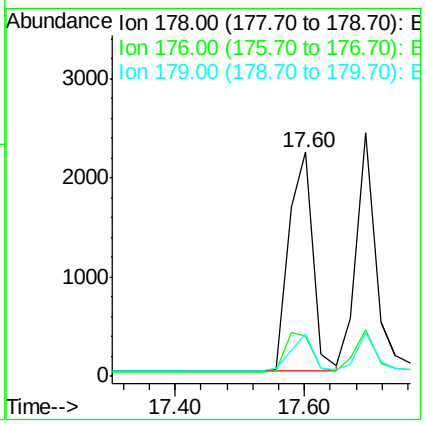




#21
Phenanthrene
Concen: 0.43 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:178 Resp: 5703

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



Instrument :
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ClientSampleId :
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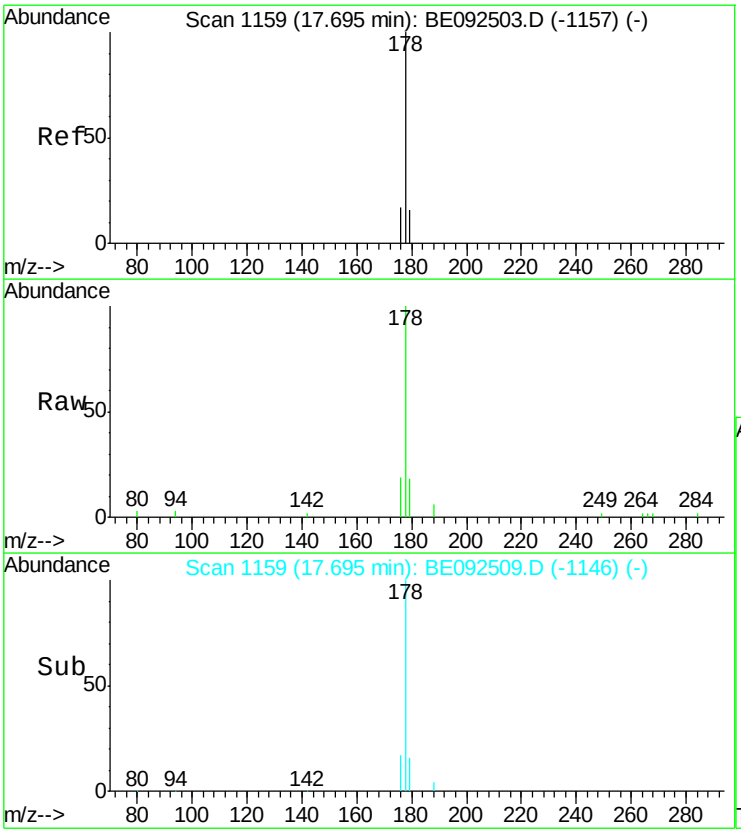
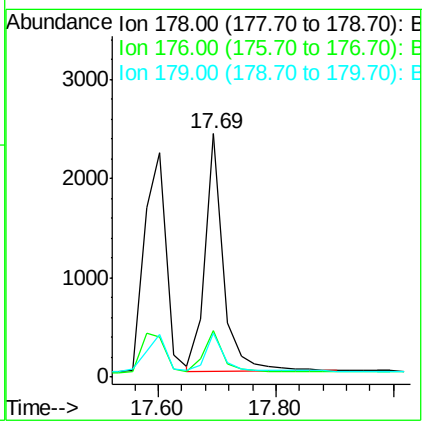
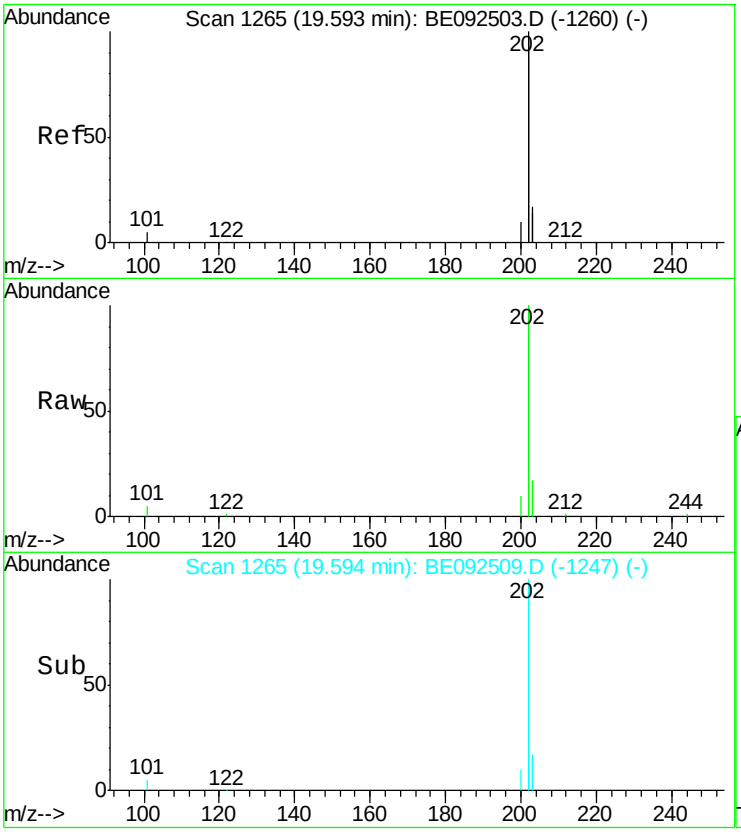


#22
Anthracene
Concen: 0.40 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:178 Resp: 5168

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.0	12.2	18.2

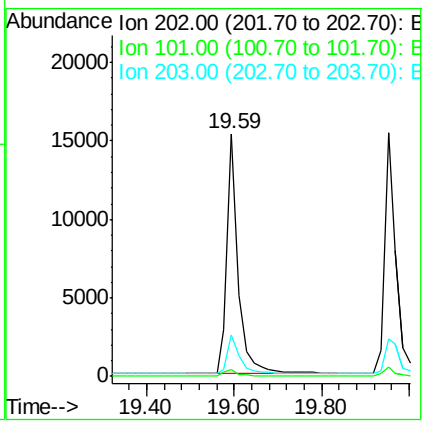




#23
Fluoranthene
Concen: 0.40 ng
RT: 19.59 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:202 Resp: 26910

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.2	13.7	20.5



Instrument :
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ClientSampleId :
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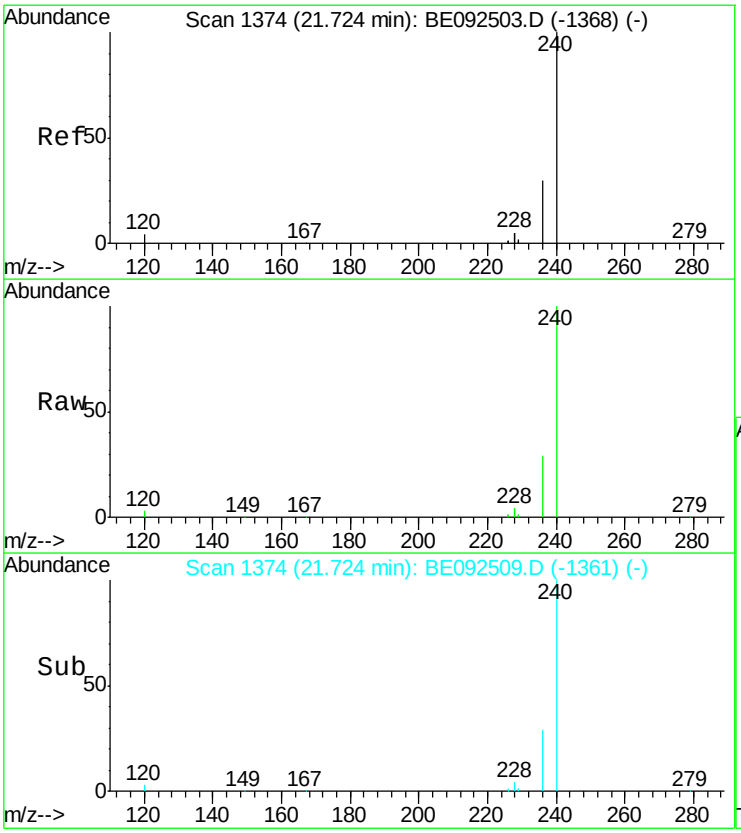
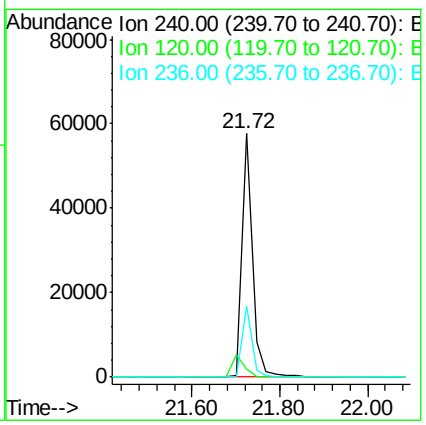
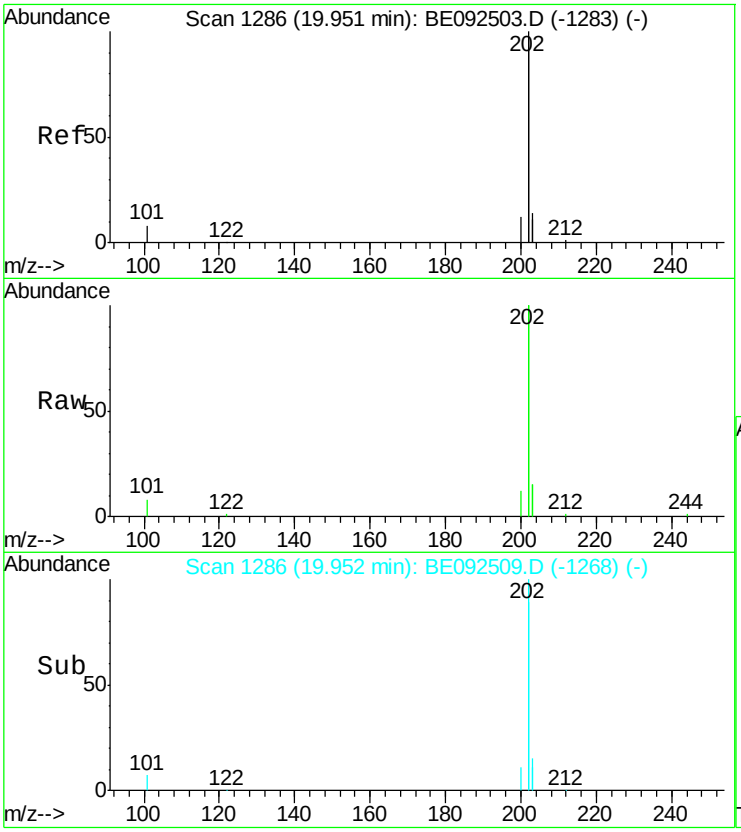


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:240 Resp: 93636

Ion	Ratio	Lower	Upper
240	100		
120	3.2	2.6	4.0
236	29.0	24.6	37.0

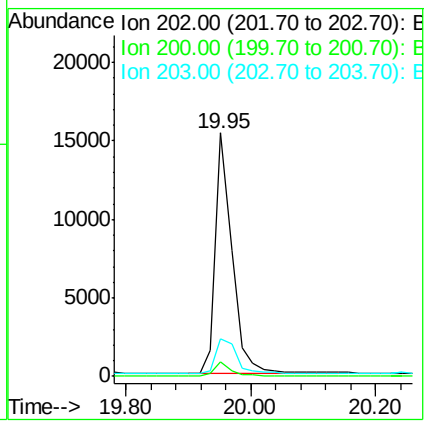




#25
Pyrene
Concen: 0.37 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:202 Resp: 28141

Ion	Ratio	Lower	Upper
202	100		
200	5.5	4.2	6.4
203	17.4	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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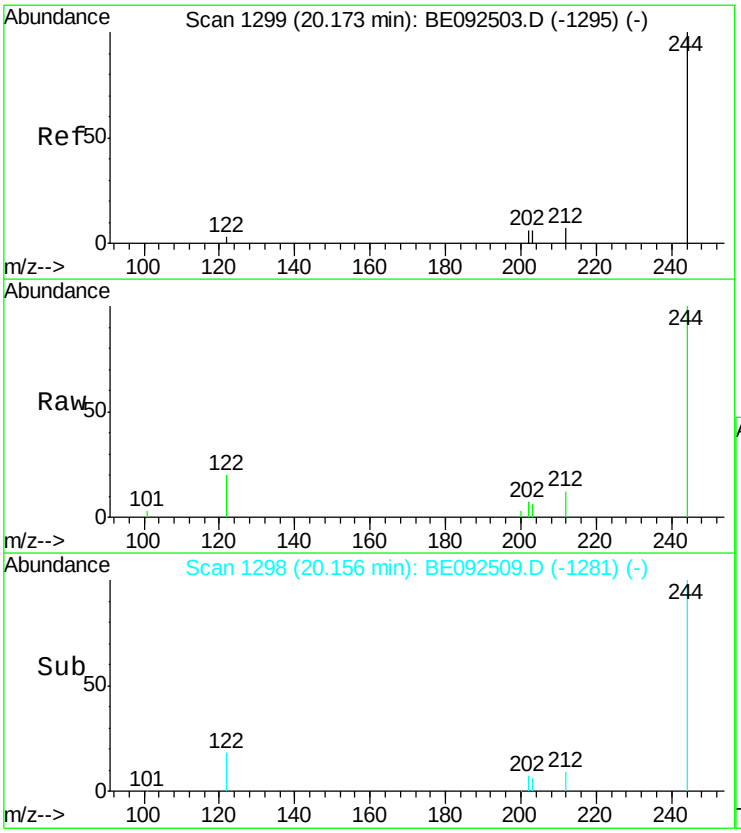
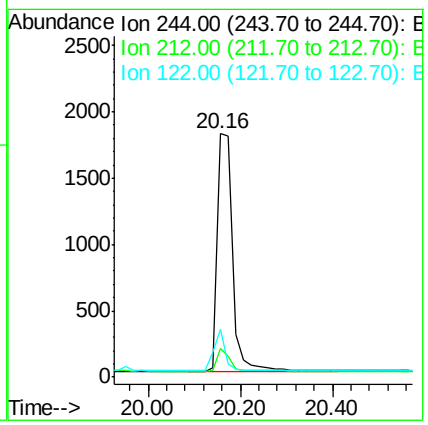
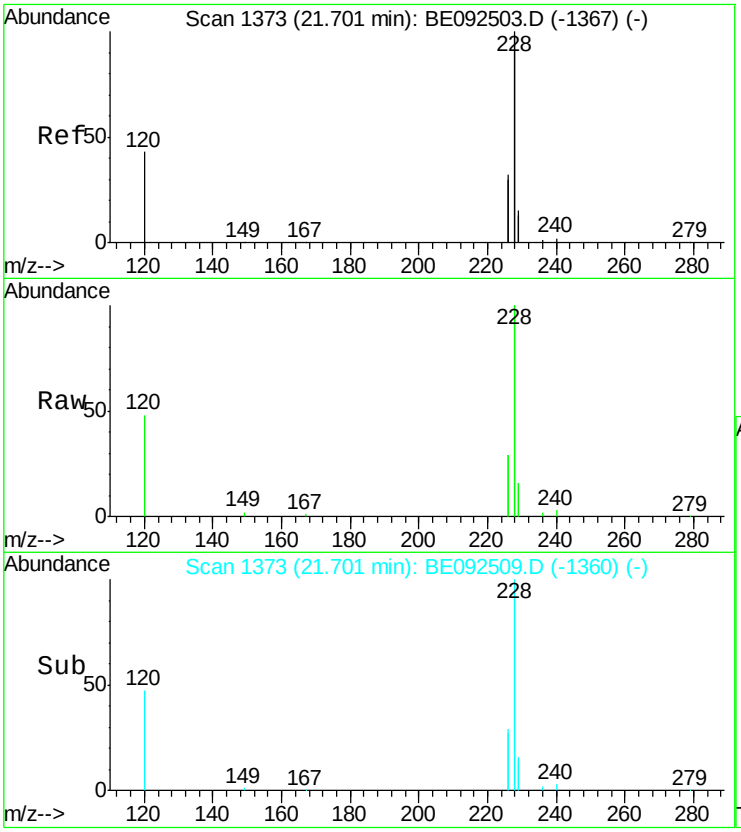


#26
Terphenyl-d14
Concen: 0.37 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:244 Resp: 4242

Ion	Ratio	Lower	Upper
244	100		
212	11.6	6.7	10.1#
122	19.9	3.6	5.4#

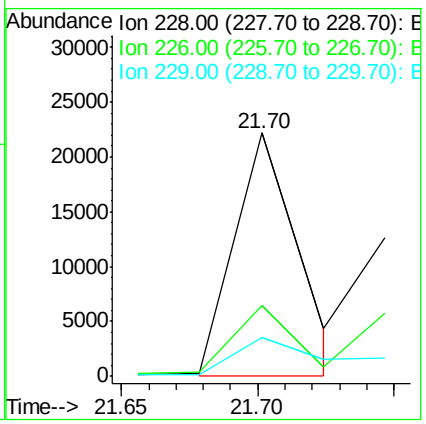




#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:228 Resp: 36027

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.6	35.4
229	15.8	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
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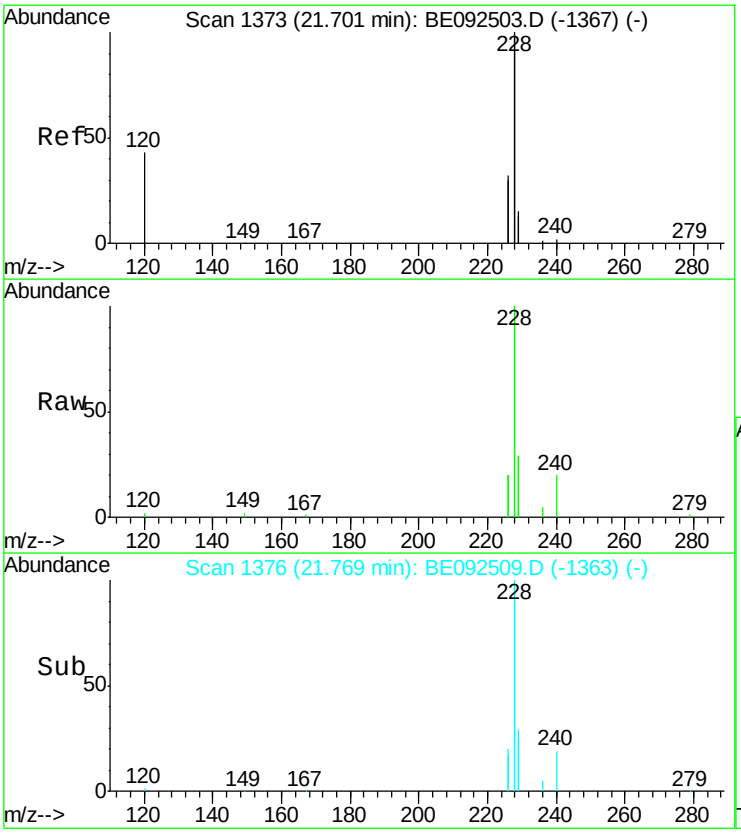
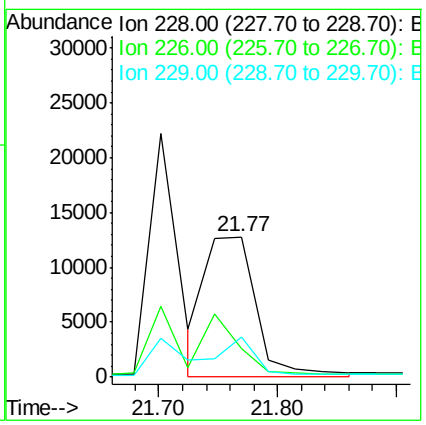
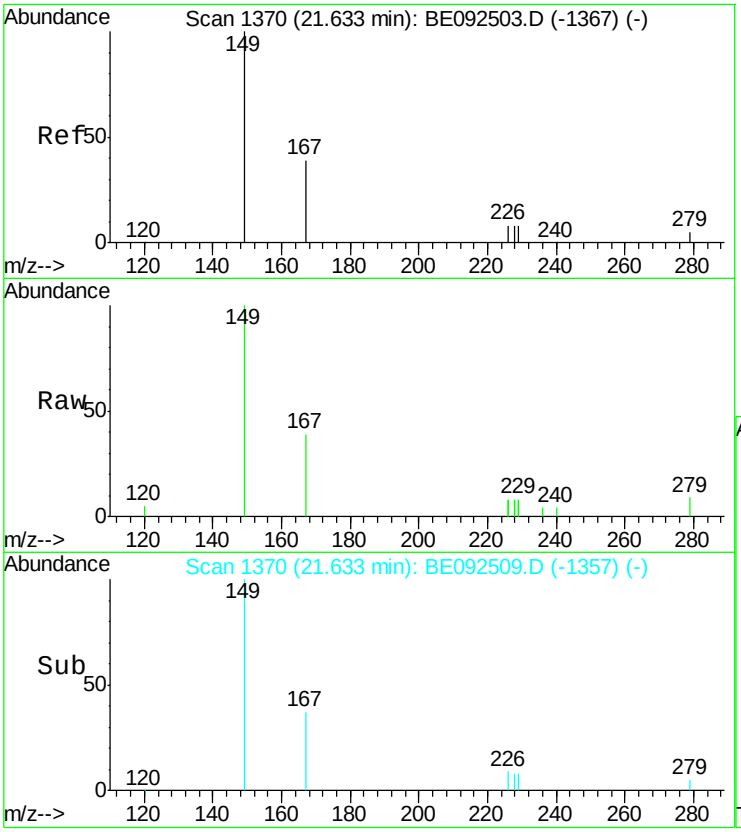


#28
Chrysene
Concen: 0.36 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:228 Resp: 38895

Ion	Ratio	Lower	Upper
228	100		
226	20.3	36.3	54.5#
229	28.8	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.41 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Instrument :
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ClientSampleId :
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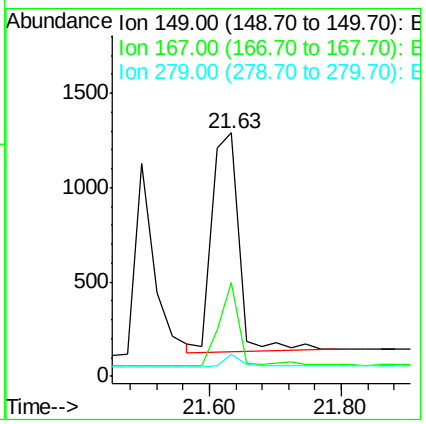
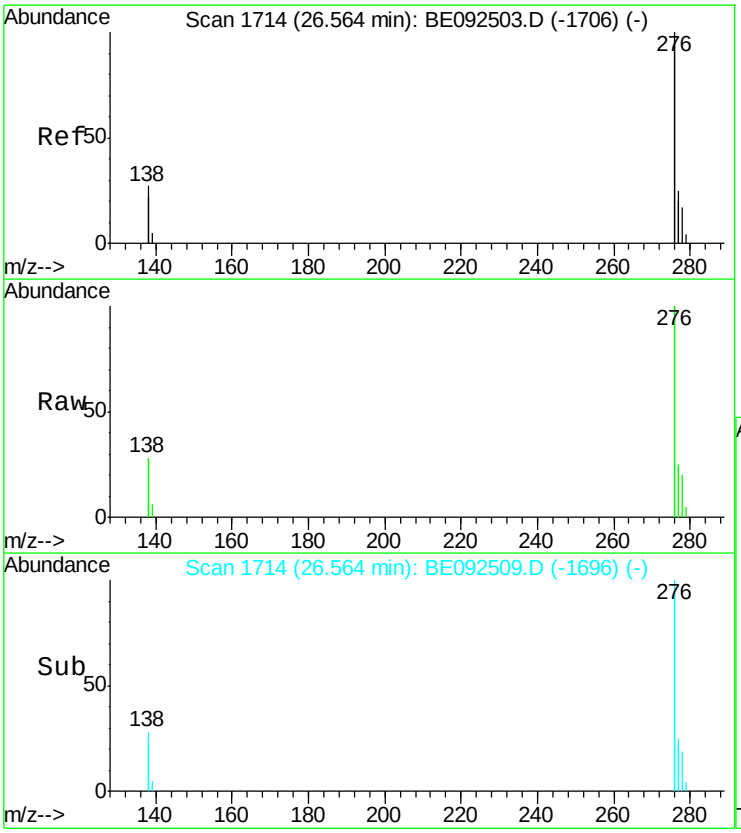
Tgt Ion:149 Resp: 3332

Ion	Ratio	Lower	Upper
149	100		
167	26.4	16.0	24.0#
279	3.5	16.0	24.0#

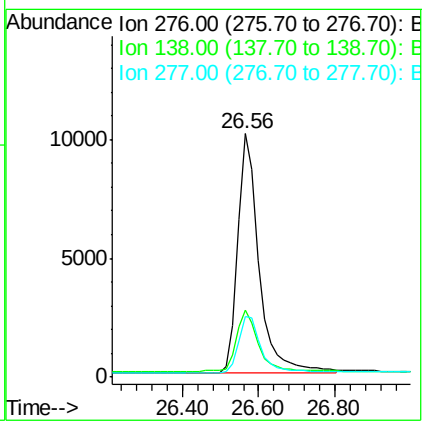


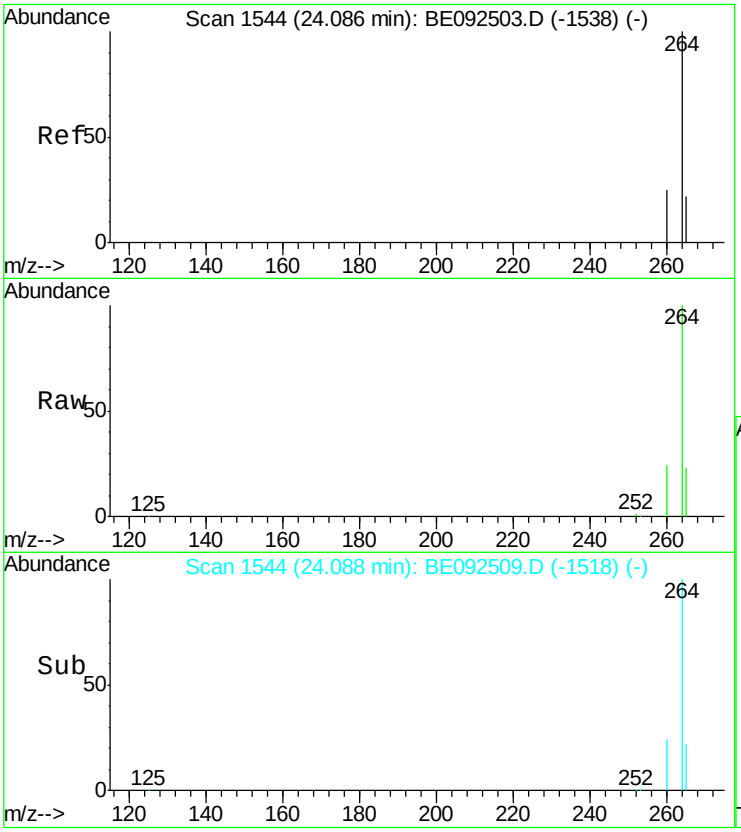


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.38 ng
RT: 26.56 min Scan# 1714
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:276 Resp: 39550

Ion	Ratio	Lower	Upper
276	100		
138	27.1	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: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:264 Resp: 86333

Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.1	30.1
265	22.9	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
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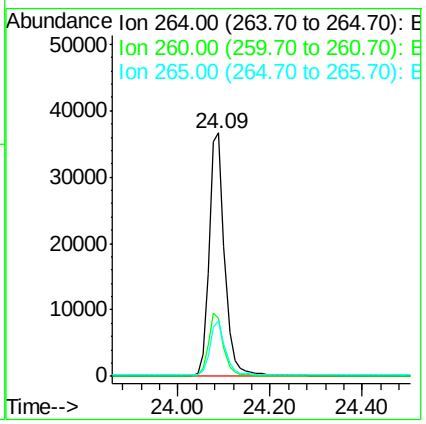
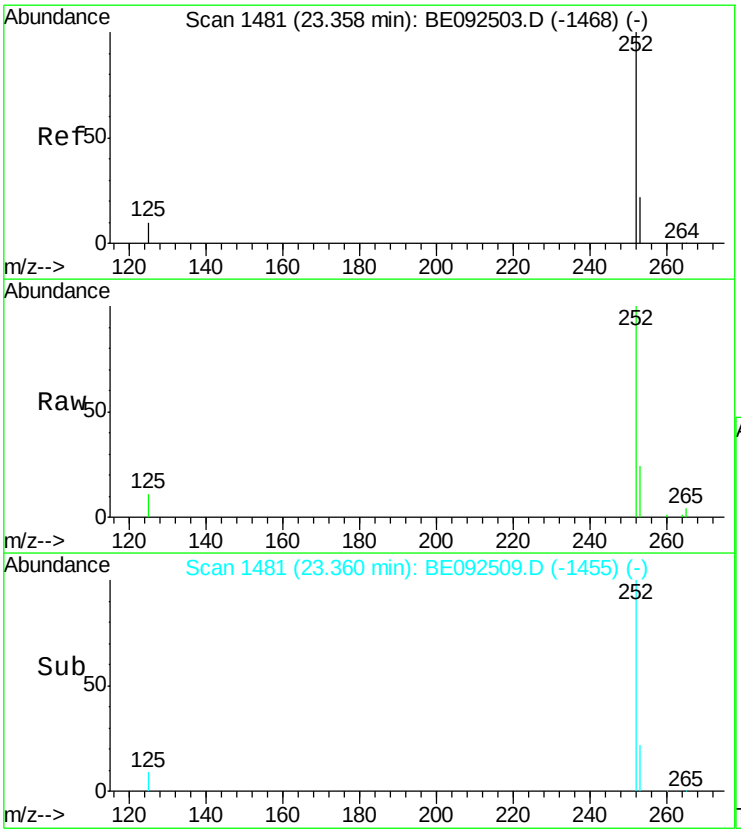
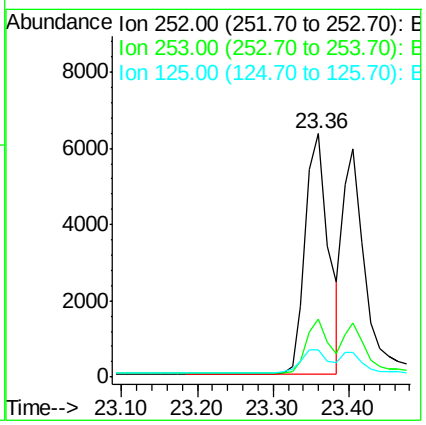


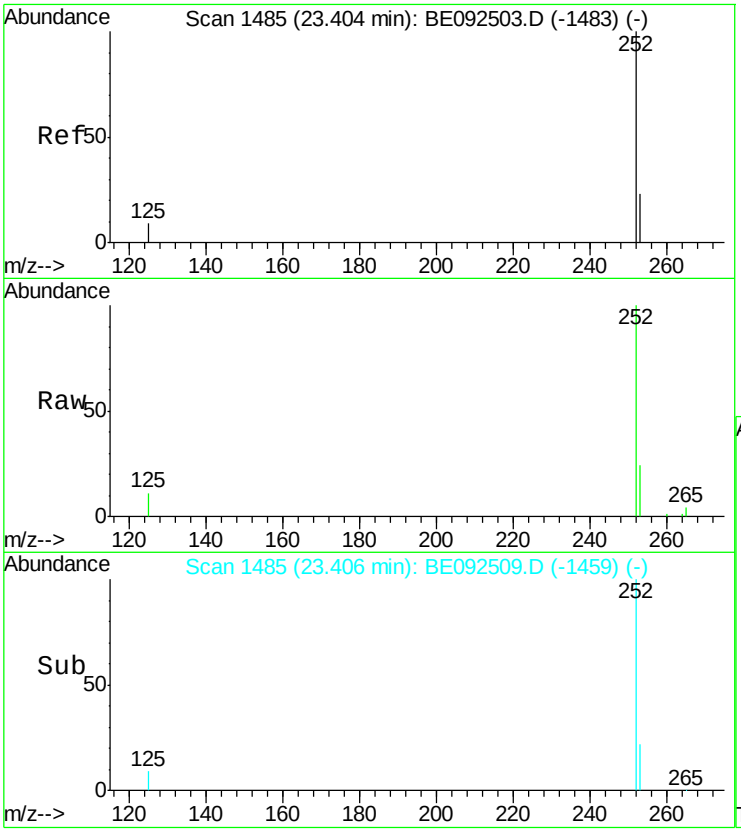


#32
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:252 Resp: 13529

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.7	28.1
125	10.9	10.5	15.7

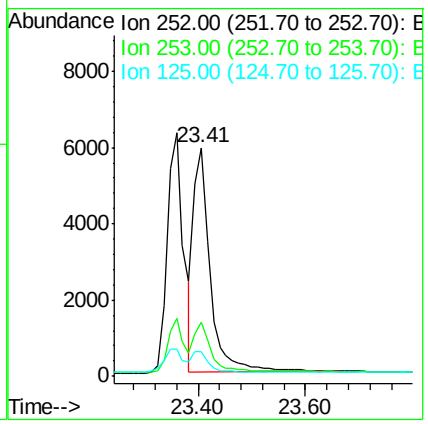




#33
Benzo(k)fluoranthene
Concen: 0.36 ng
RT: 23.41 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:252 Resp: 12601

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.3	30.5
125	11.0	9.6	14.4



Instrument :
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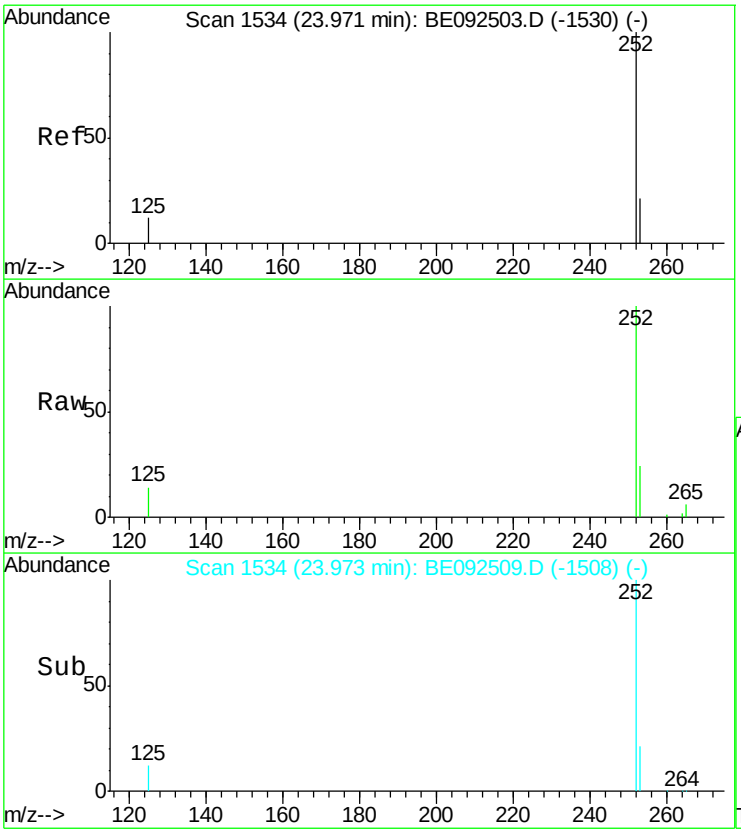
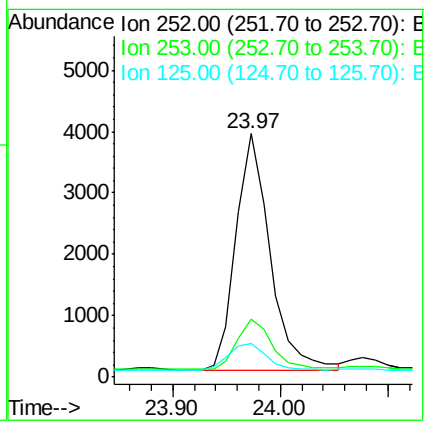
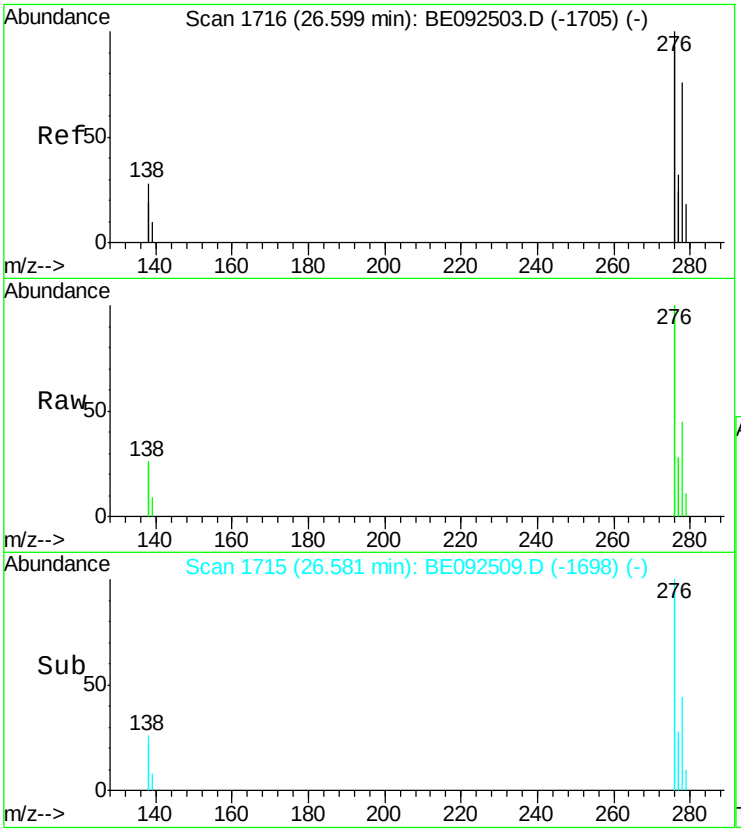


#34
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:252 Resp: 8515

Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	13.9	11.8	17.8

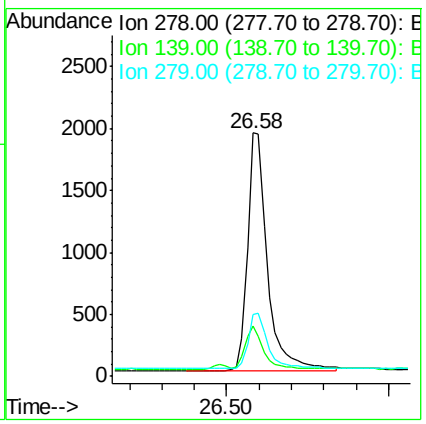




#35
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:278 Resp: 8105

Ion	Ratio	Lower	Upper
278	100		
139	20.5	13.8	20.8
279	25.3	21.4	32.2



Instrument :
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ClientSampleId :
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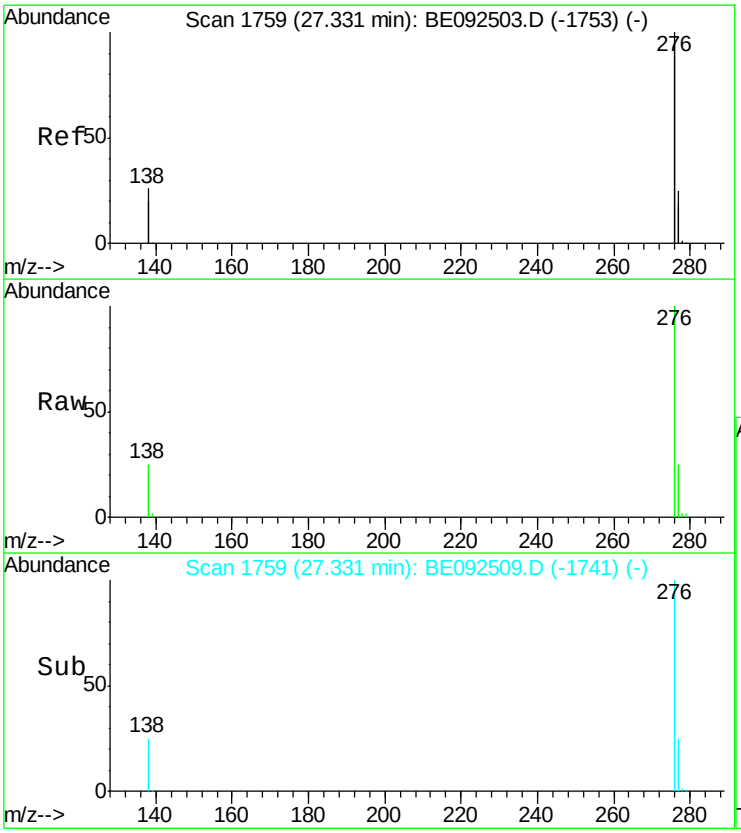

#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.33 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BE092509.D
Acq: 8 Nov 2016 15:16

Tgt Ion:276 Resp: 33546

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	25.0	19.8	29.6