Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071317\
Data File : BE093454.D
Acq On : 13 Jul 2017 12:10
Operator : SJ/JU
Sample : I4142-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : MW-19BR-20170705MS

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Quant Time: Jul 13 16:06:15 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	4643	0.40	ng		0.00
7) Naphthalene-d8	10.72	136	21616	0.40	ng		0.00
13) Acenaphthene-d10	14.54	164	13377	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	28211	0.40	ng		0.00
27) Chrysene-d12	21.42	240	42938	0.40	ng		-0.01
34) Perylene-d12	23.93	264	35613	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.53	112	2096	0.15	ng		0.00
5) Phenol-d6	7.10	99	1863	0.09	ng		0.00
8) Nitrobenzene-d5	9.08	82	5967	0.43	ng		0.00
11) 2-Methylnaphthalene-d10	12.31	152	12119	0.35	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	1152	0.27	ng		0.00
15) 2-Fluorobiphenyl	13.18	172	24252	0.47	ng		0.00
25) Fluoranthene-d10	19.28	212	180010	0.53	ng		0.00
29) Terphenyl-d14	19.87	244	36787	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.45	88	3537	0.360	ng	#	51
3) n-Nitrosodimethylamine	3.76	42	721	0.225	ng	#	78
6) bis(2-Chloroethyl)ether	7.35	93	5708	0.367	ng	#	96
9) Naphthalene	10.77	128	85293	0.377	ng	#	73
10) Hexachlorobutadiene	11.06	225	2751	0.320	ng		99
12) 2-Methylnaphthalene	12.38	142	15043	0.396	ng		96
16) Acenaphthylene	14.26	152	21829	0.392	ng	#	87
17) Acenaphthene	14.60	154	16088	0.394	ng		97
18) Fluorene	15.58	166	22189	0.396	ng	#	87
20) 4-Bromophenyl-phenylether	16.45	248	9360	0.605	ng	#	3
21) Hexachlorobenzene	16.58	284	8250	0.494	ng	#	100
22) Pentachlorophenol	16.91	266	3941	1.534	ng	#	80
23) Phenanthrene	17.30	178	48659	0.475	ng		96
24) Anthracene	17.40	178	25601m	0.407	ng		
26) Fluoranthene	19.31	202	51882	0.538	ng		99
28) Pyrene	19.67	202	51967	0.431	ng	#	98
30) Benzo(a)anthracene	21.40	228	47014	0.406	ng		94
31) Chrysene	21.46	228	47708	0.393	ng		95
32) Bis(2-ethylhexyl)phthalate	21.33	149	92945	0.557	ng	#	66
33) Indeno(1,2,3-cd)pyrene	26.58	276	44940	0.422	ng		94
35) Benzo(b)fluoranthene	23.16	252	44796	0.390	ng	#	95
36) Benzo(k)fluoranthene	23.21	252	45347	0.399	ng	#	95
37) Benzo(a)pyrene	23.82	252	37571	0.373	ng	#	95
38) Dibenzo(a,h)anthracene	26.60	278	38061	0.389	ng	#	89
39) Benzo(g,h,i)perylene	27.38	276	38551	0.390	ng		92

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

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QLast Update : Mon Jul 03 06:40:23 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
MW-19BR-20170705MS

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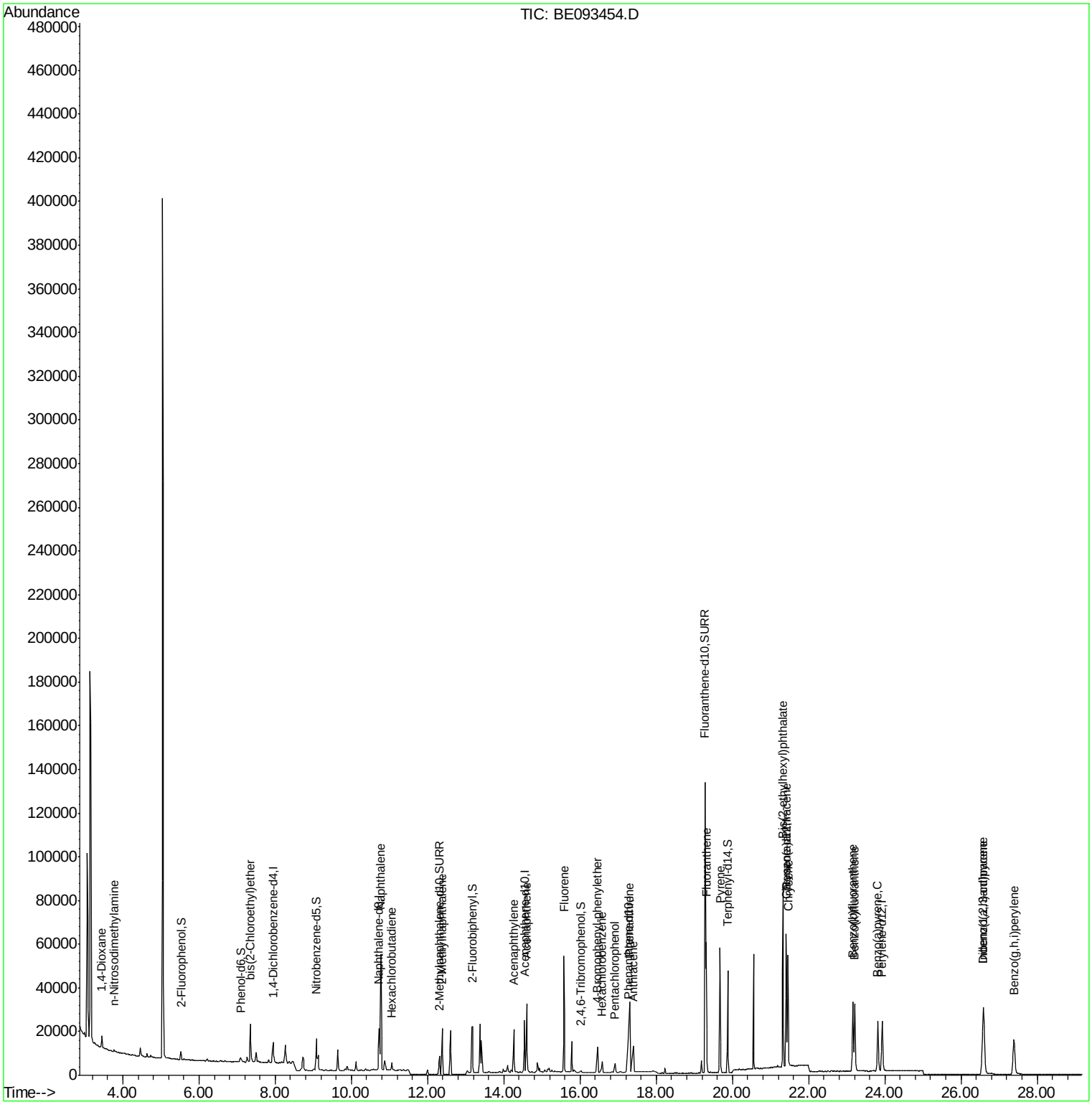
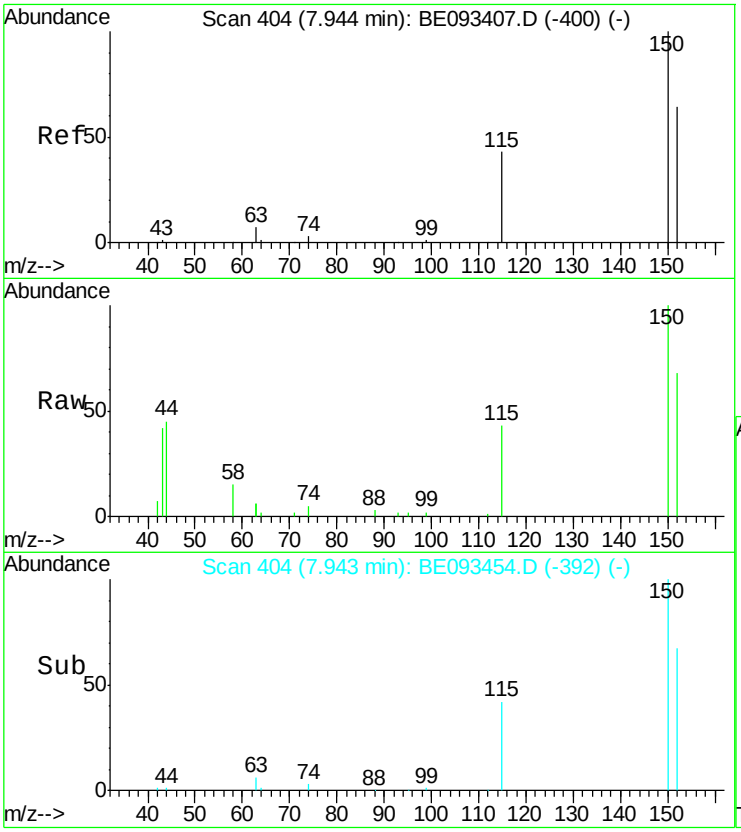
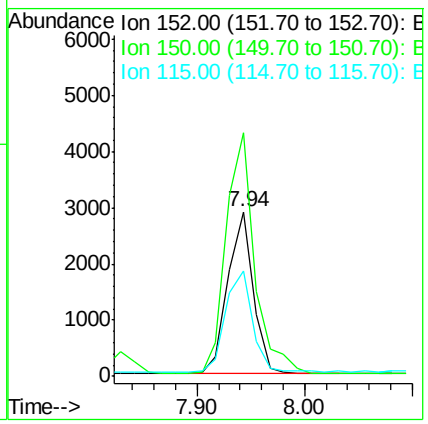




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.94 min Scan# 404
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:152 Resp: 4643

Ion	Ratio	Lower	Upper
152	100		
150	148.1	125.1	187.7
115	64.3	55.7	83.5



Instrument :
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ClientSampleId :
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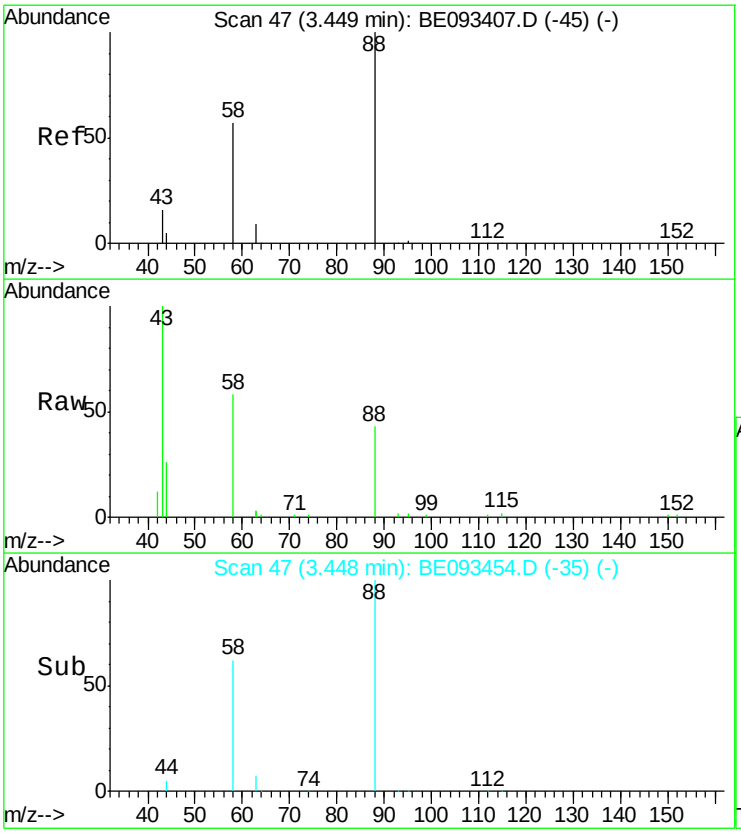
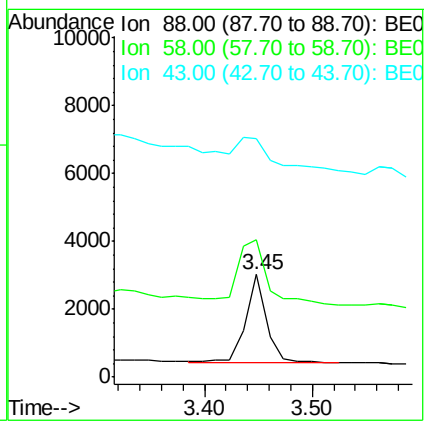
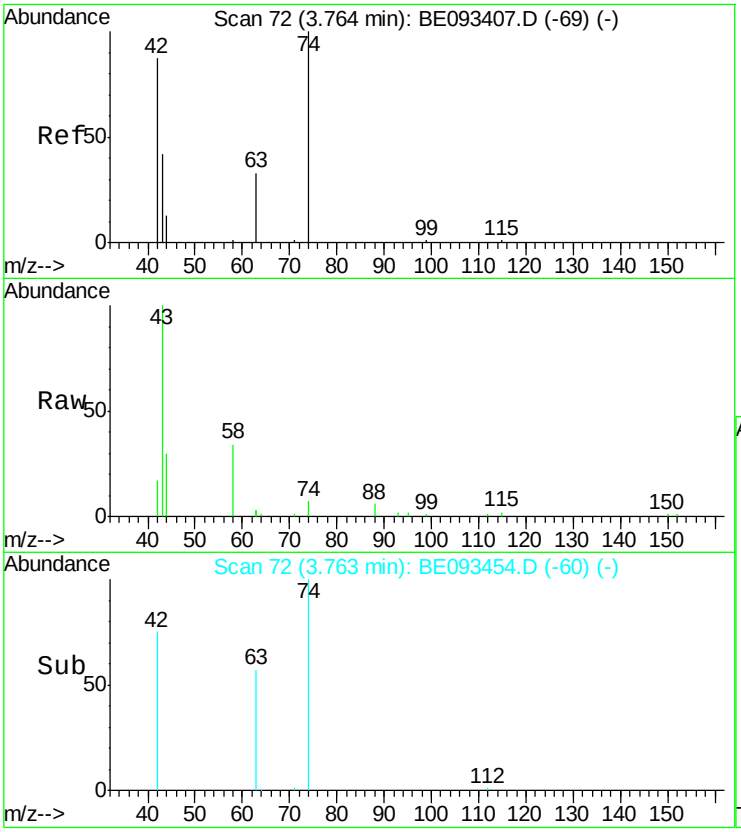


#2
1,4-Dioxane
Concen: 0.360 ng
RT: 3.45 min Scan# 47
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion: 88 Resp: 3537

Ion	Ratio	Lower	Upper
88	100		
58	103.6	62.2	93.4#
43	82.1	23.2	34.8#

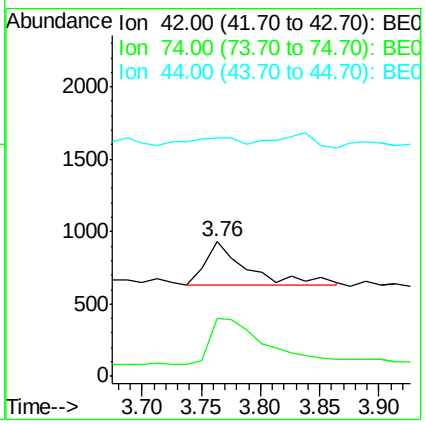




#3
n-Nitrosodimethylamine
Concen: 0.225 ng
RT: 3.76 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion: 42 Resp: 721

Ion	Ratio	Lower	Upper
42	100		
74	146.2	99.1	148.7
44	26.6	7.4	11.2#



Instrument :
BNA_E
ClientSampleId :
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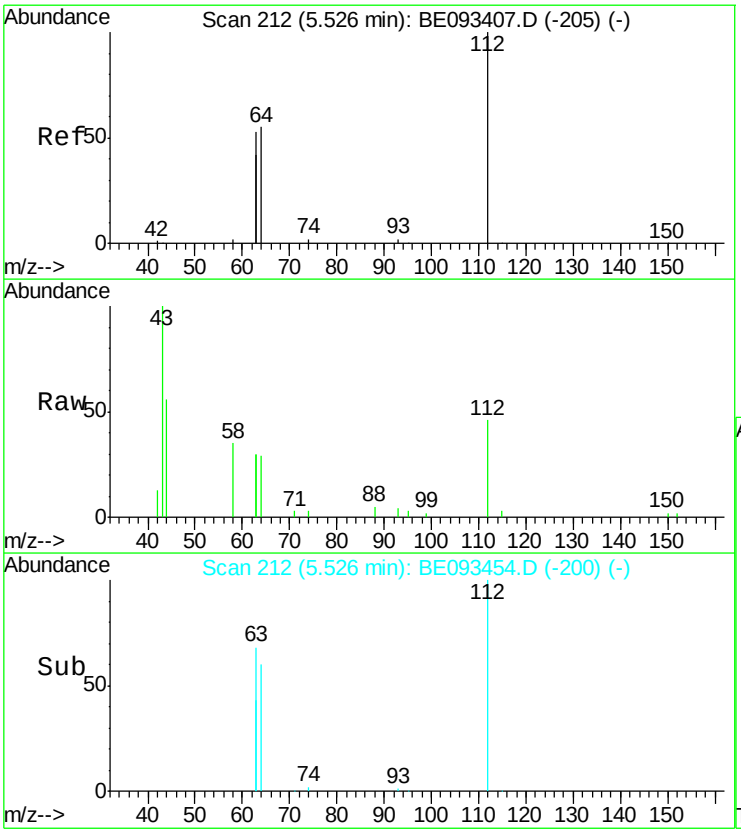
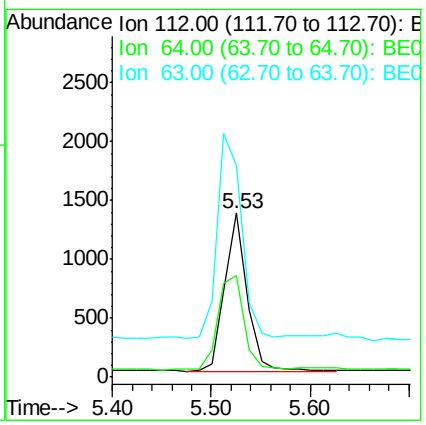
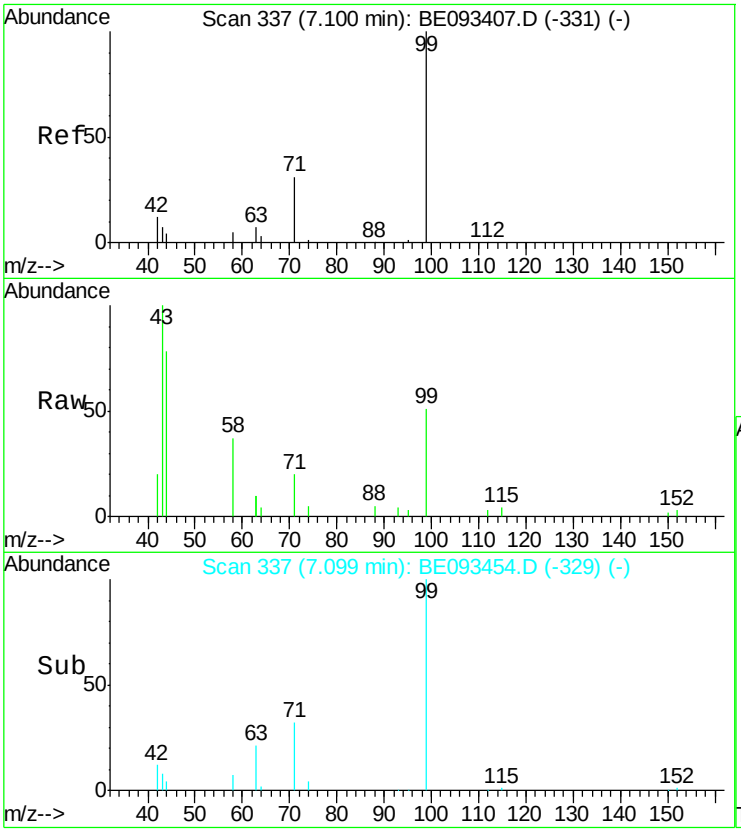


#4
2-Fluorophenol
Concen: 0.150 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:112 Resp: 2096

Ion	Ratio	Lower	Upper
112	100		
64	71.6	56.4	84.6
63	143.2	29.3	43.9#





#5
Phenol-d6
Concen: 0.090 ng
RT: 7.10 min Scan# 337
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion: 99 Resp: 1863

Ion	Ratio	Lower	Upper
99	100		
42	24.2	0.0	0.0#
71	37.1	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
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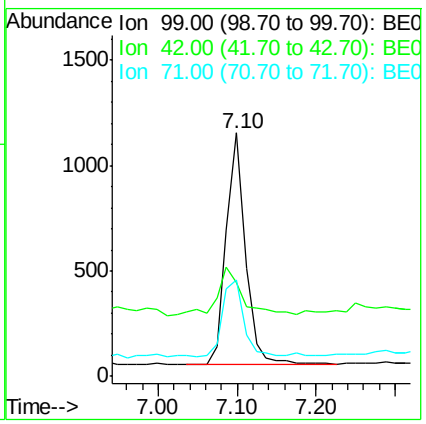
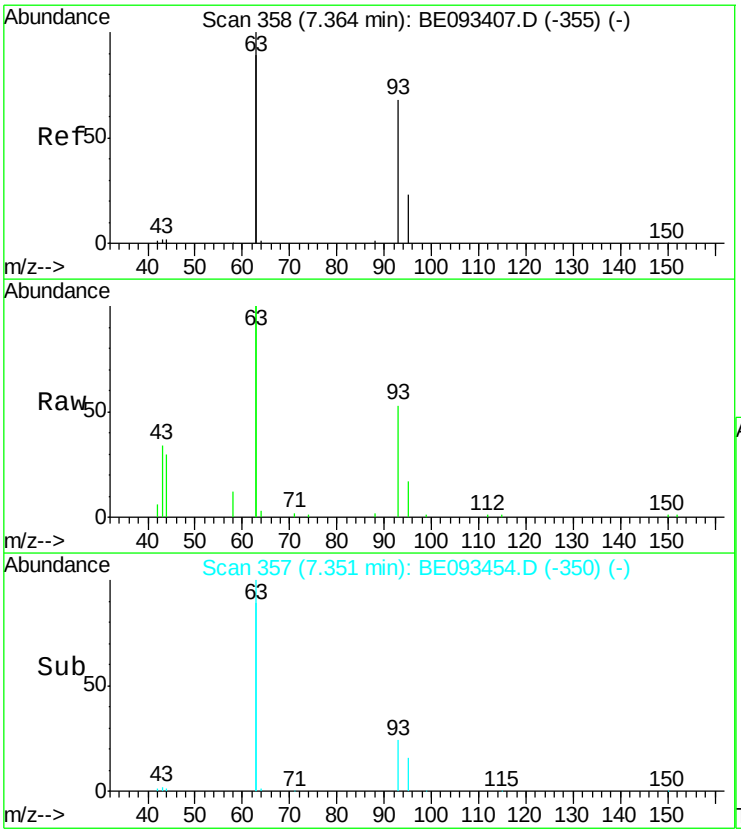
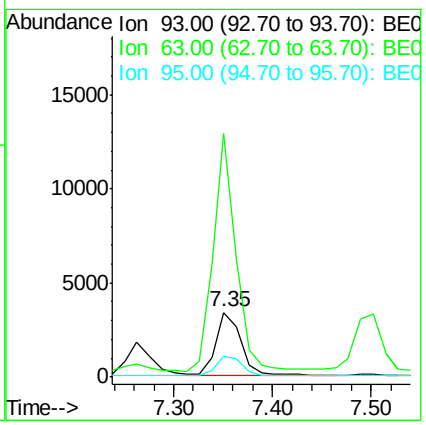


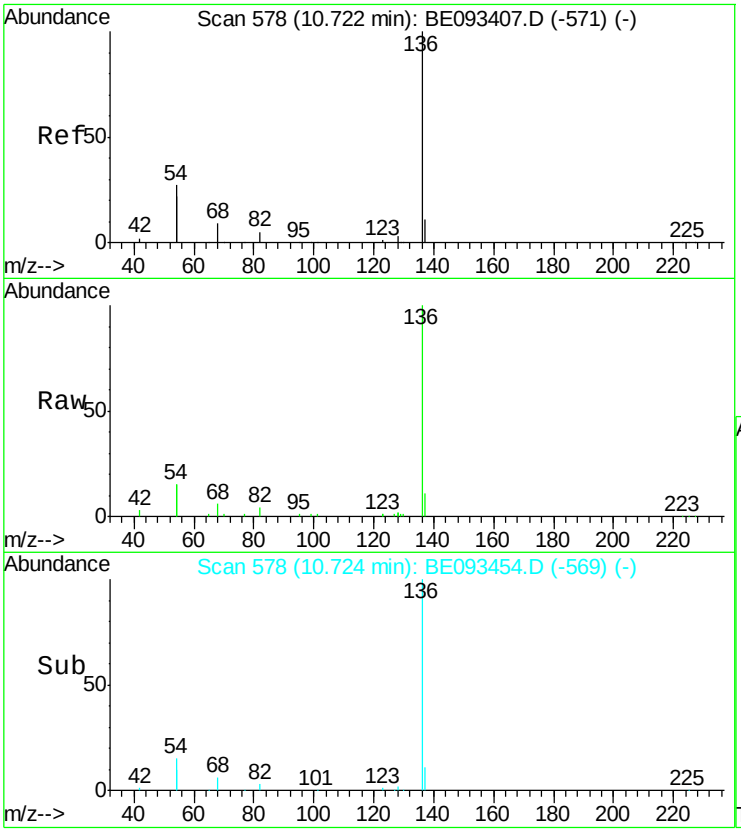


#6
bis(2-Chloroethyl)ether
Concen: 0.367 ng
RT: 7.35 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion: 93 Resp: 5708

Ion	Ratio	Lower	Upper
93	100		
63	351.7	0.0	0.0#
95	33.9	25.4	38.0

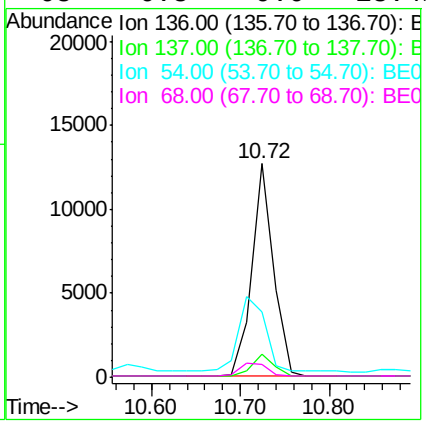




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.72 min Scan# 578
Delta R.T. 0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:136 Resp: 21616

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.8
54	30.9	10.3	15.5#
68	6.3	9.0	13.4#



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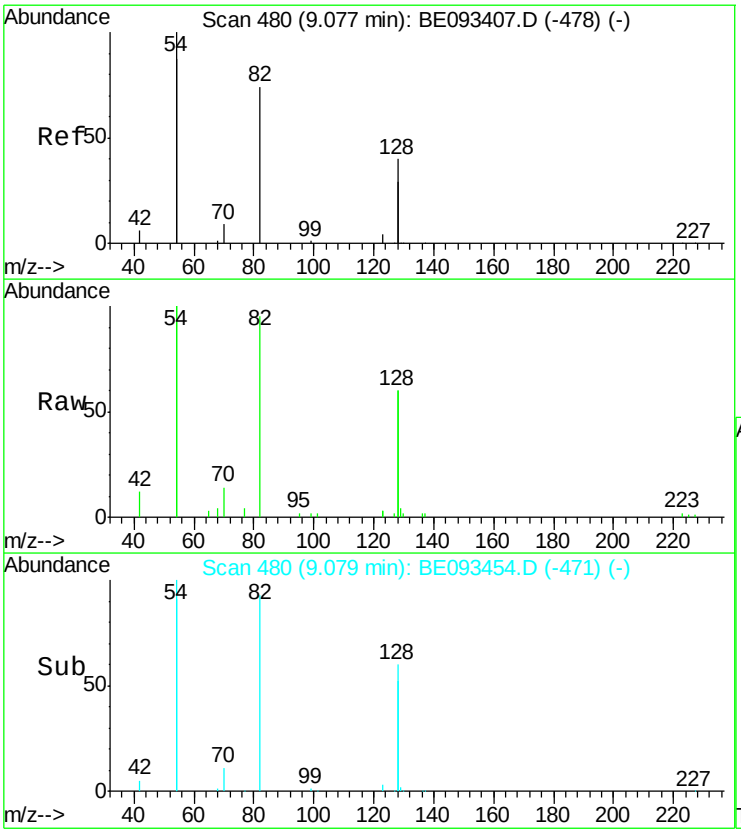
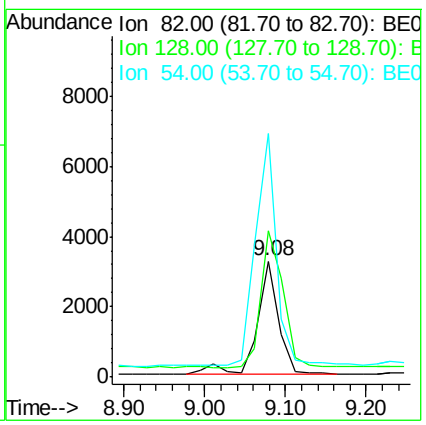
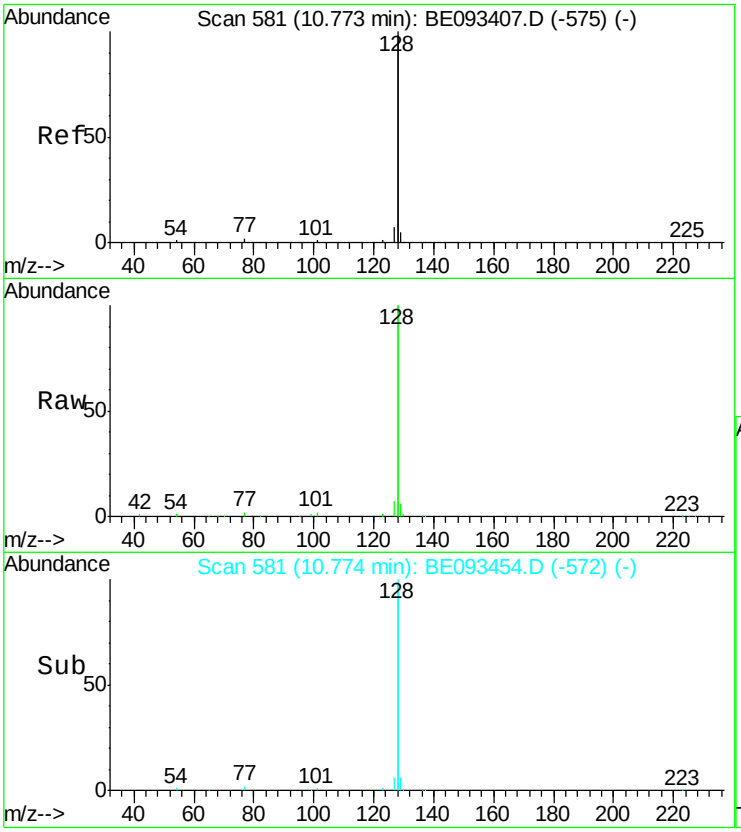


#8
Nitrobenzene-d5
Concen: 0.432 ng
RT: 9.08 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion: 82 Resp: 5967

Ion	Ratio	Lower	Upper
82	100		
128	126.8	17.0	25.4#
54	210.1	53.8	80.6#





#9
Naphthalene
Concen: 0.377 ng
RT: 10.77 min Scan# 581
Delta R.T. 0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:128 Resp: 85293

Ion	Ratio	Lower	Upper
128	100		
129	2.9	11.4	17.0#
127	3.3	11.2	16.8#

Instrument :
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ClientSampleId :
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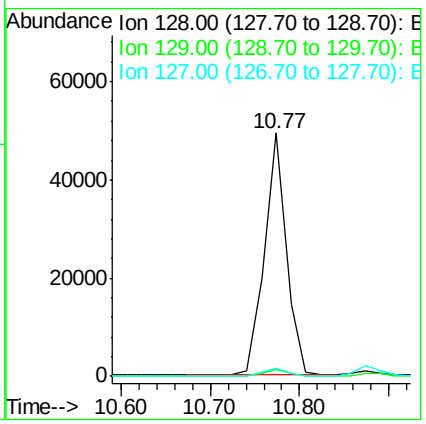
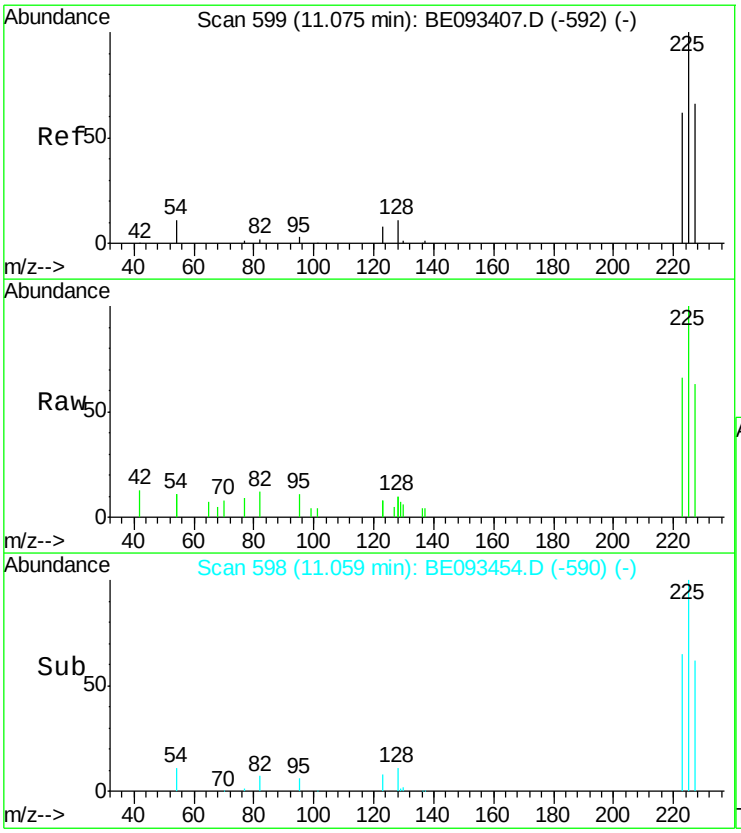
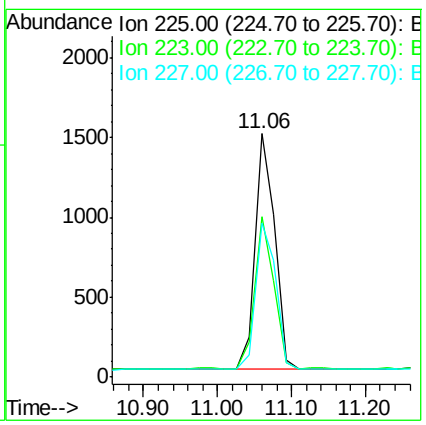


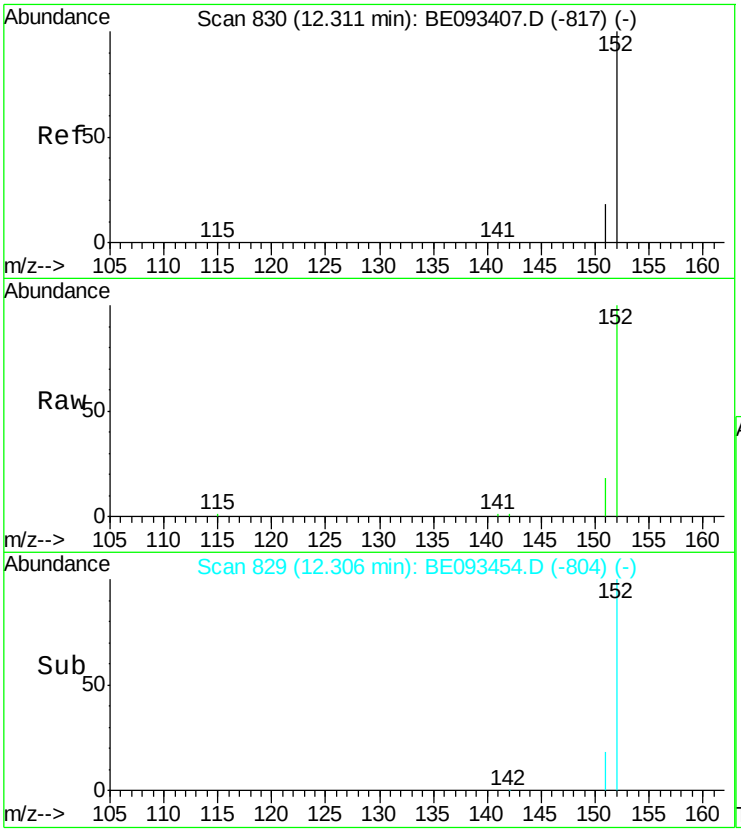


#10
Hexachlorobutadiene
Concen: 0.320 ng
RT: 11.06 min Scan# 598
Delta R.T. -0.02 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:225 Resp: 2751

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.7	74.5
227	63.6	50.3	75.5

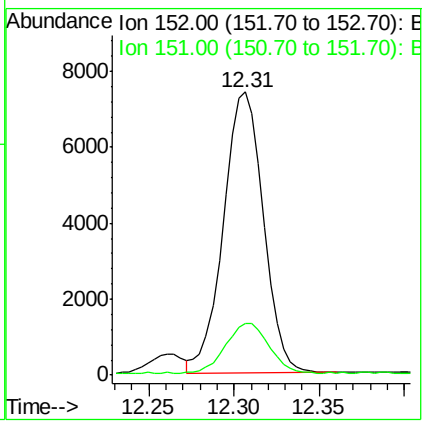




#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.31 min Scan# 829
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:152 Resp: 12119

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7



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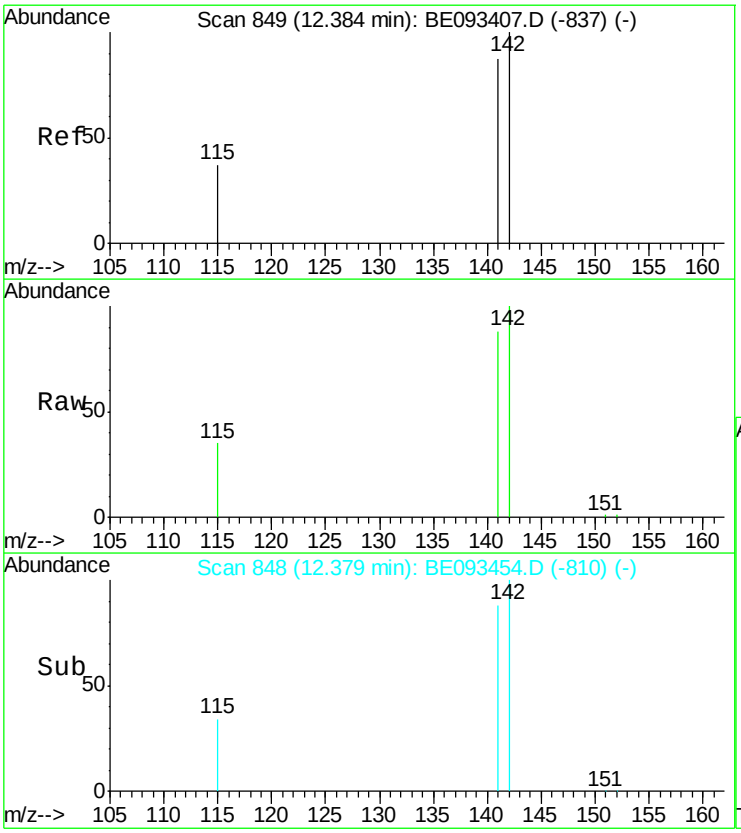
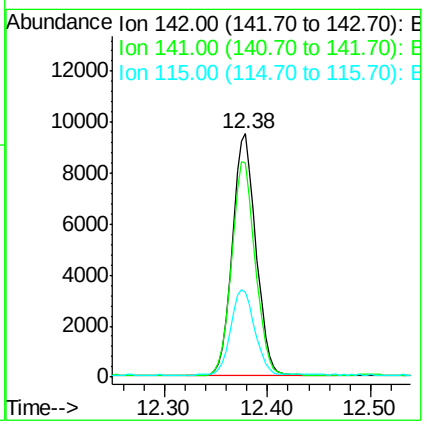
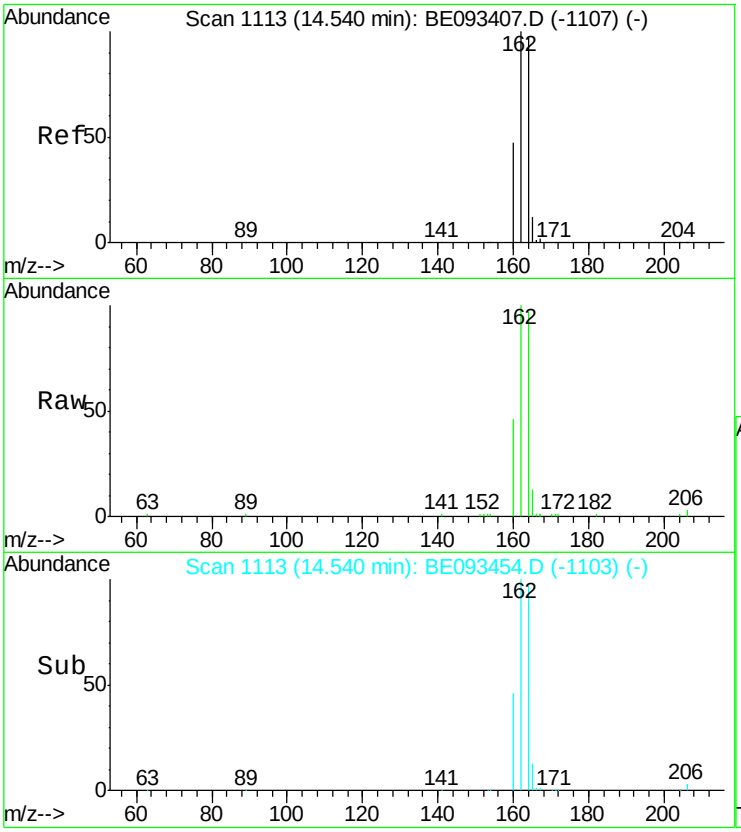


#12
2-Methylnaphthalene
Concen: 0.396 ng
RT: 12.38 min Scan# 848
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:142 Resp: 15043

Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.6	108.8
115	35.0	32.2	48.2

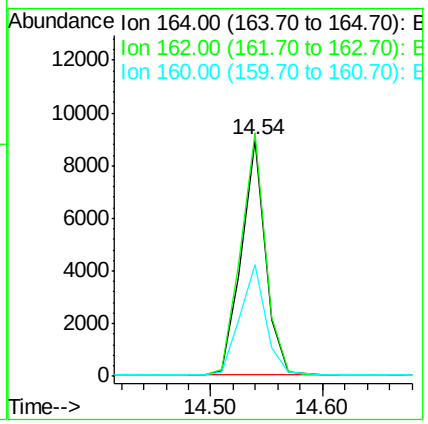




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:164 Resp: 13377

Ion	Ratio	Lower	Upper
164	100		
162	103.2	84.6	127.0
160	47.4	41.8	62.6



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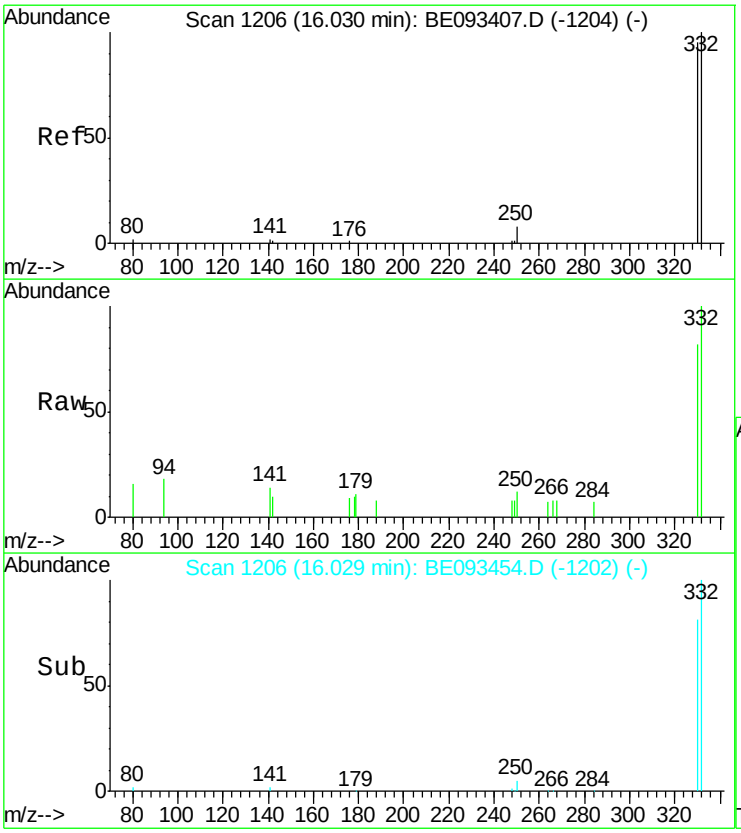
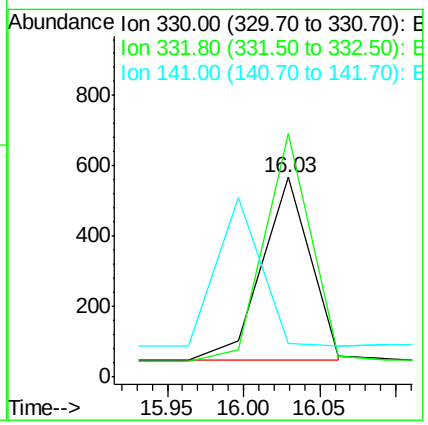
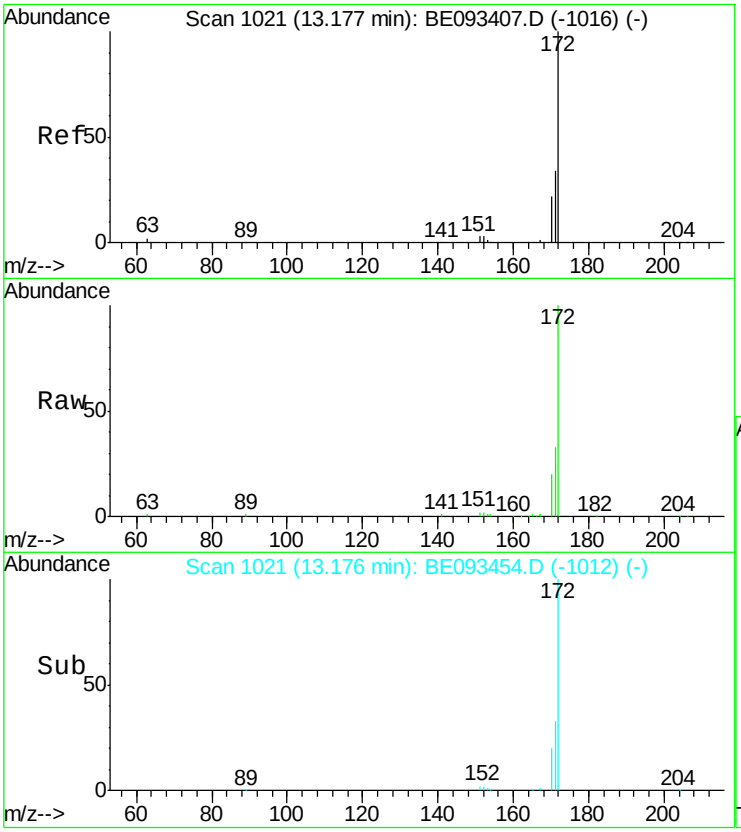


#14
2,4,6-Tribromophenol
Concen: 0.274 ng
RT: 16.03 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:330 Resp: 1152

Ion	Ratio	Lower	Upper
330	100		
332	116.9	77.7	116.5#
141	0.0	56.2	84.4#





#15
2-Fluorobiphenyl
Concen: 0.467 ng
RT: 13.18 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:172 Resp: 24252

Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.8	44.6
170	20.5	20.7	31.1#

Instrument :
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ClientSampleId :
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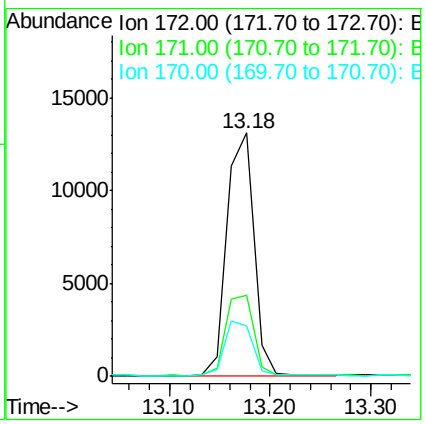
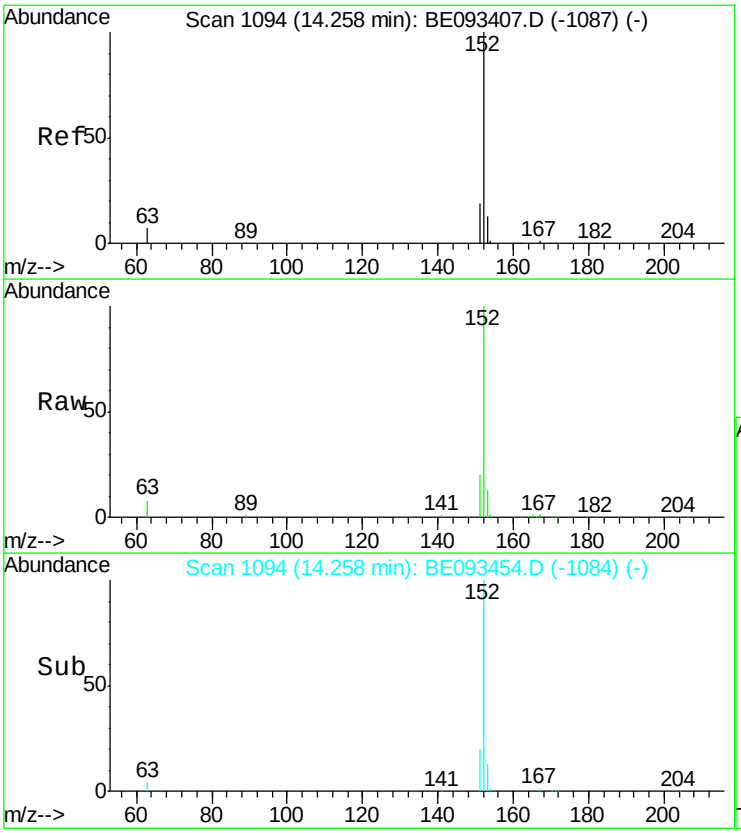
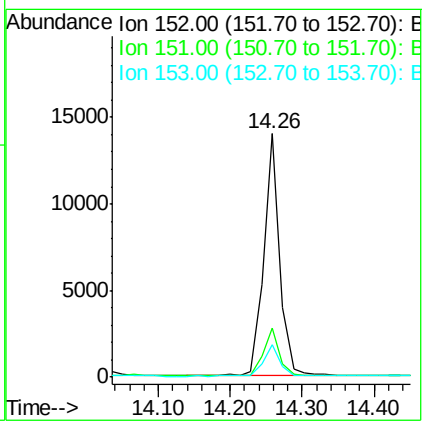


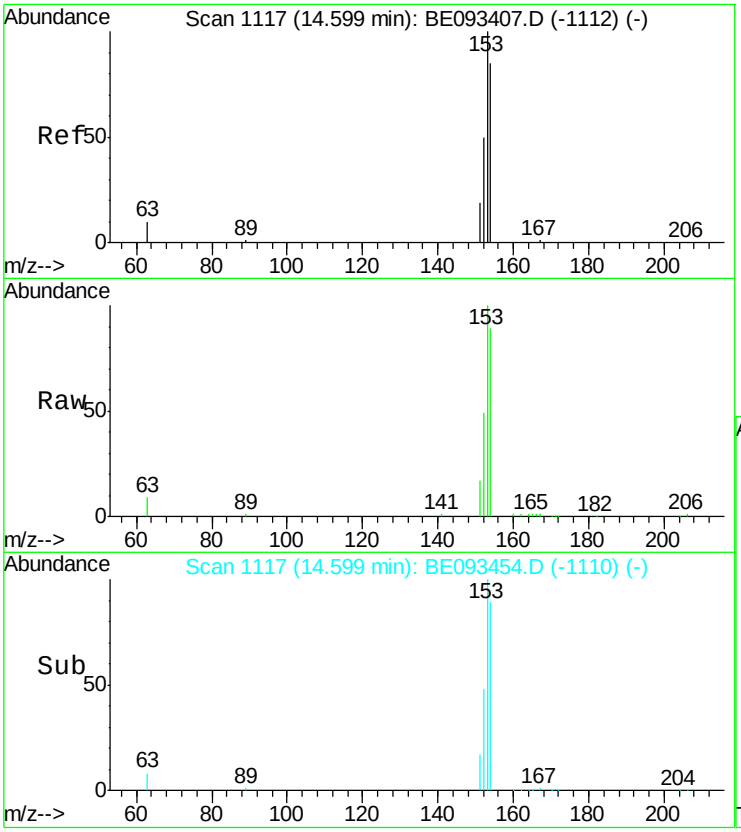


#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.26 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:152 Resp: 21829

Ion	Ratio	Lower	Upper
152	100		
151	19.5	4.0	6.0#
153	13.2	10.3	15.5

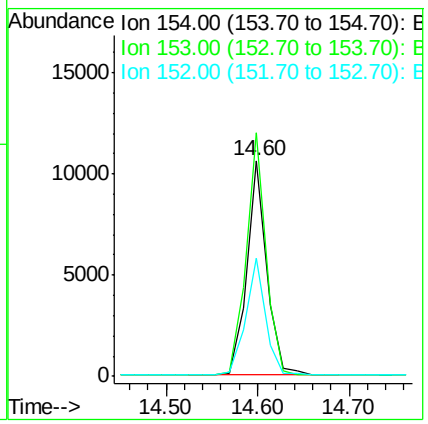




#17
Acenaphthene
Concen: 0.394 ng
RT: 14.60 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:154 Resp: 16088

Ion	Ratio	Lower	Upper
154	100		
153	111.2	91.2	136.8
152	54.0	44.8	67.2



Instrument :
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ClientSampleId :
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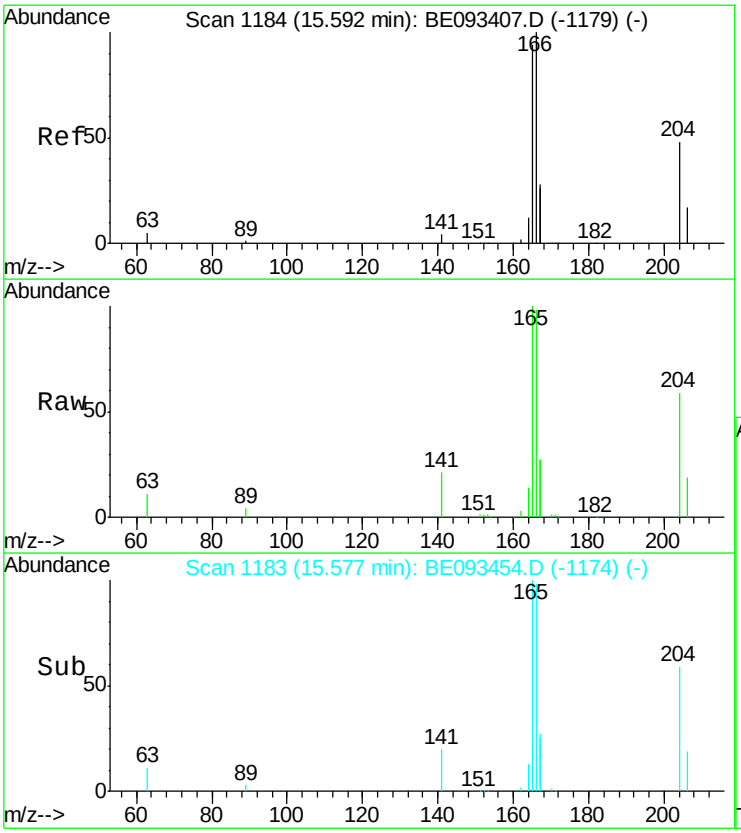
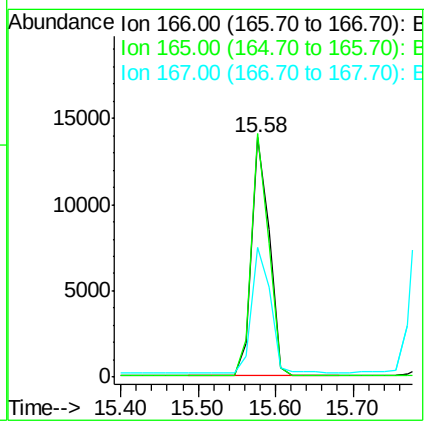
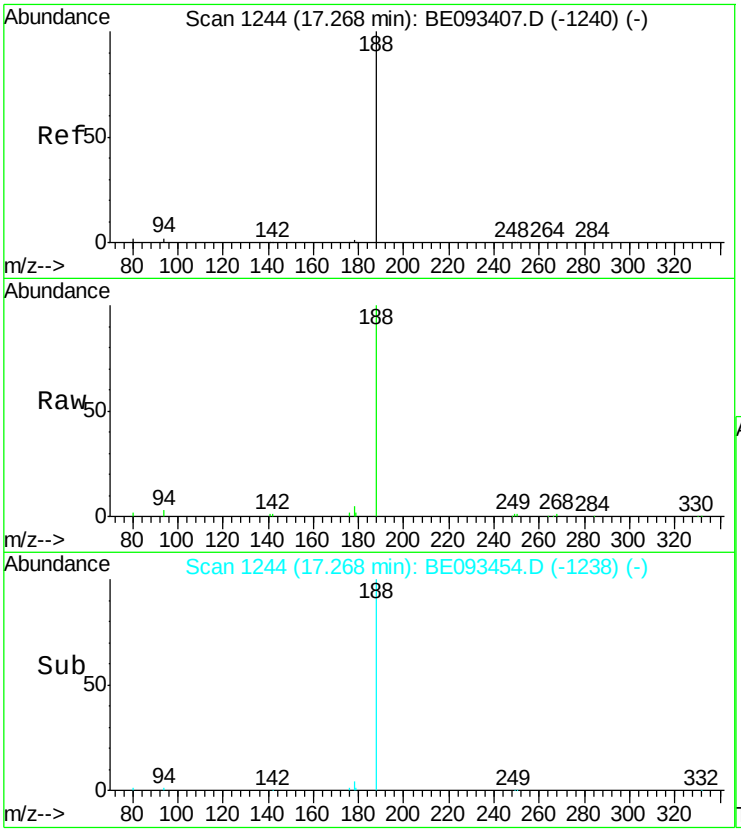


#18
Fluorene
Concen: 0.396 ng
RT: 15.58 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:166 Resp: 22189

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.6	117.8
167	54.5	11.1	16.7#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:188 Resp: 28211

Ion	Ratio	Lower	Upper
188	100		
94	2.7	11.3	16.9#
80	2.2	11.7	17.5#

Instrument :
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ClientSampleId :
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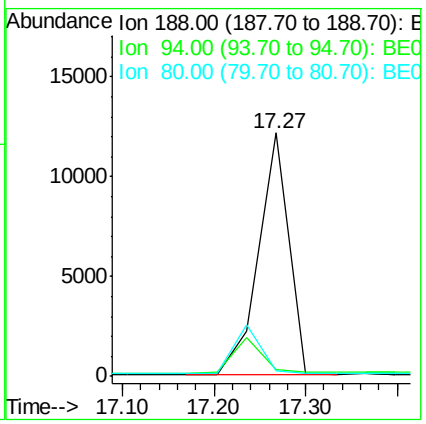
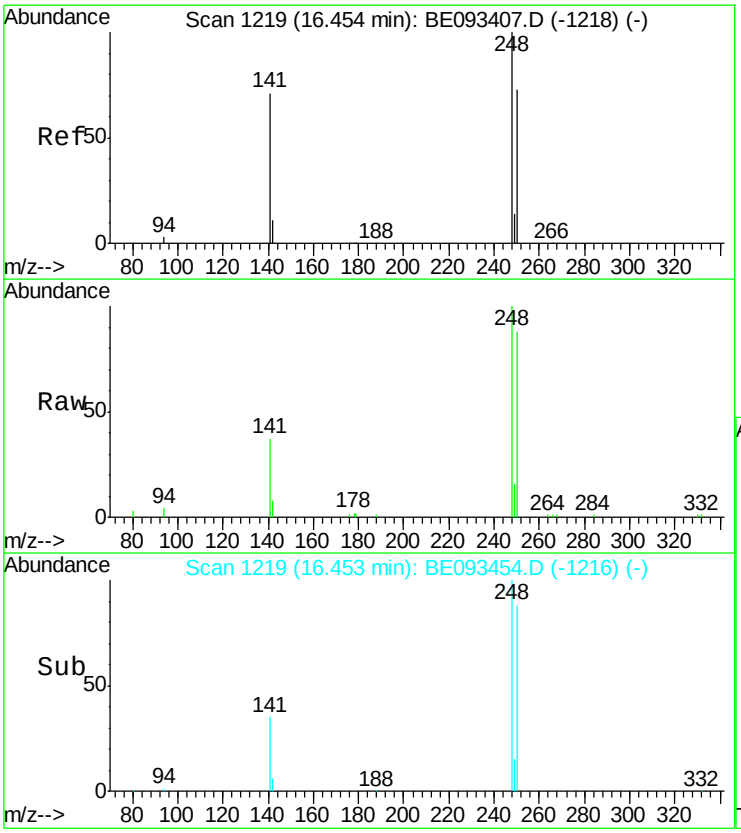
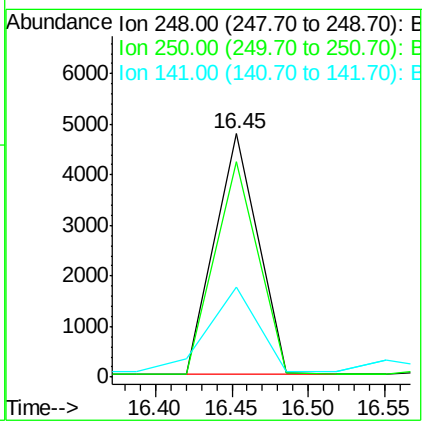


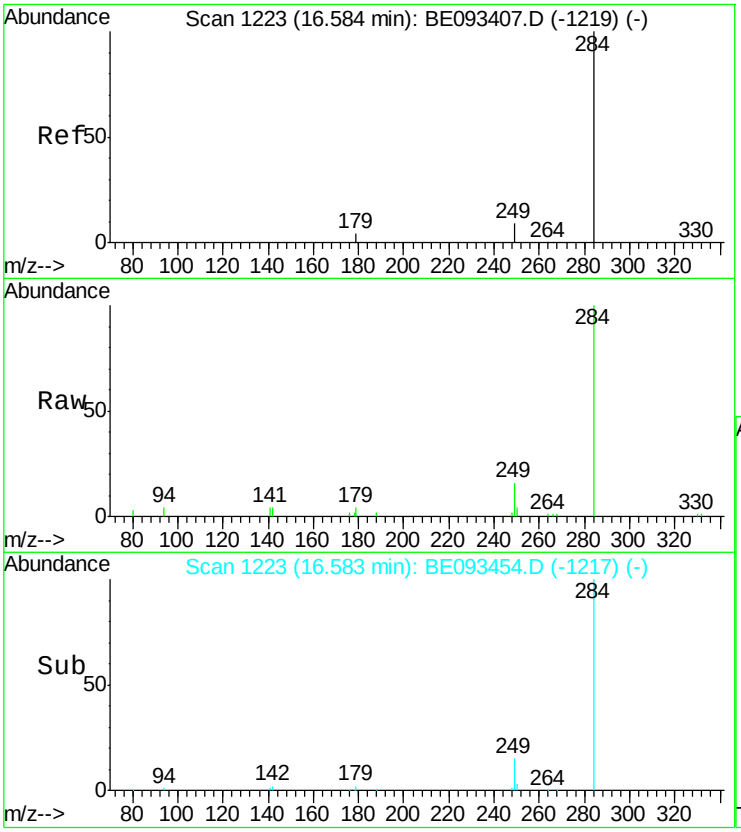


#20
4-Bromophenyl-phenylether
Concen: 0.605 ng
RT: 16.45 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:248 Resp: 9360

Ion	Ratio	Lower	Upper
248	100		
250	88.5	40.8	61.2#
141	36.7	161.6	242.4#





#21
Hexachlorobenzene
Concen: 0.494 ng
RT: 16.58 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:284 Resp: 8250

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	18.1	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
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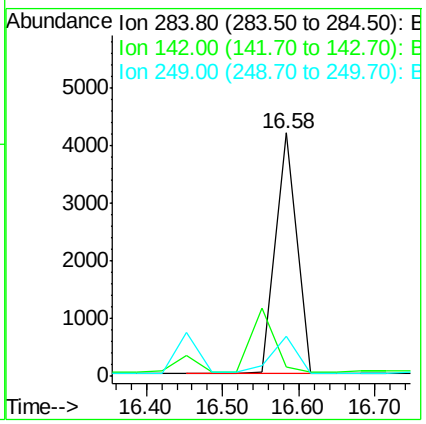
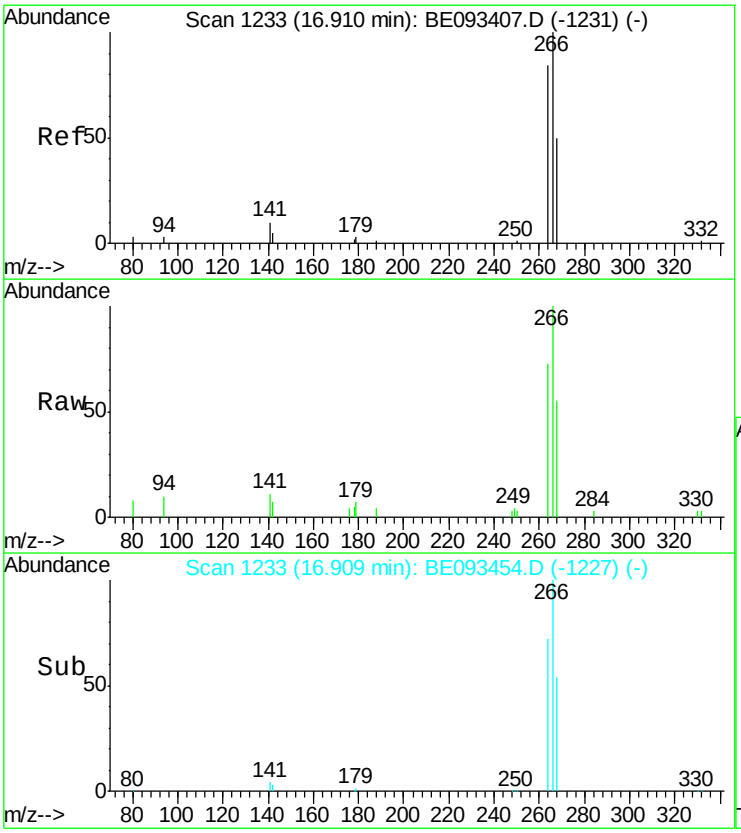
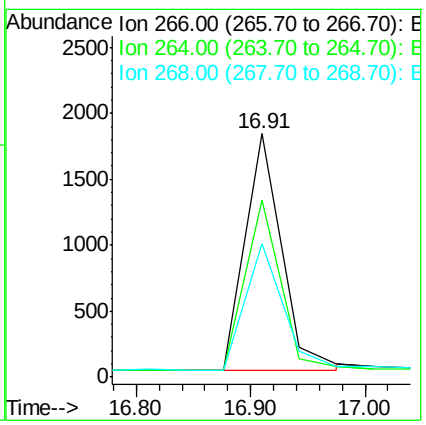


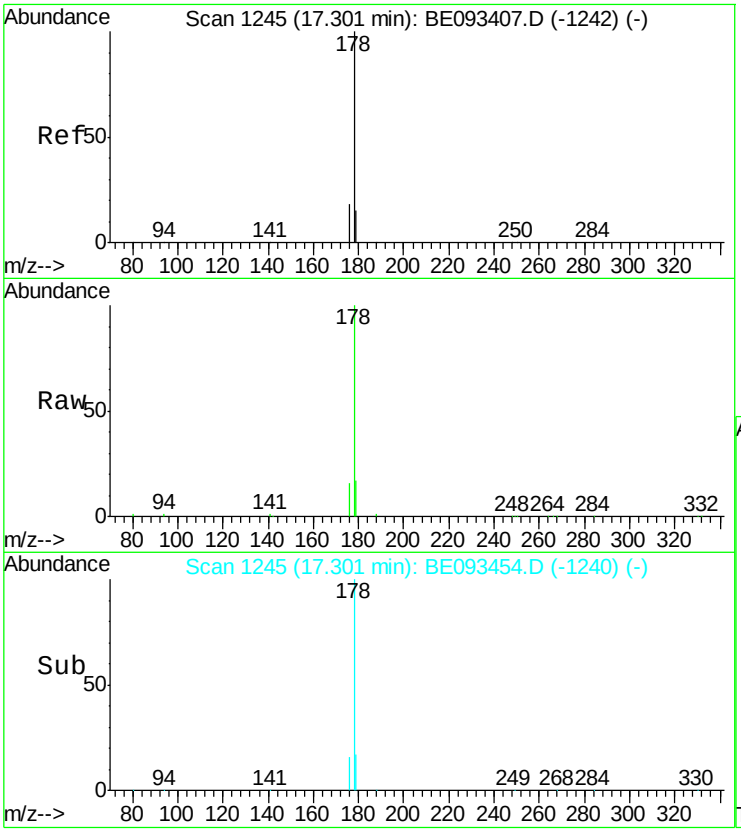


#22
Pentachlorophenol
Concen: 1.534 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:266 Resp: 3941

Ion	Ratio	Lower	Upper
266	100		
264	72.6	58.2	87.2
268	55.1	71.9	107.9#

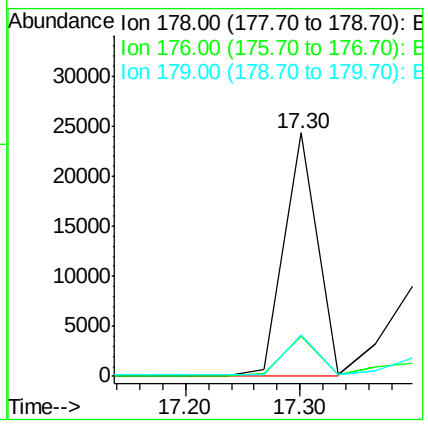




#23
Phenanthrene
Concen: 0.475 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:178 Resp: 48659

Ion	Ratio	Lower	Upper
178	100		
176	16.5	15.0	22.4
179	16.8	12.7	19.1



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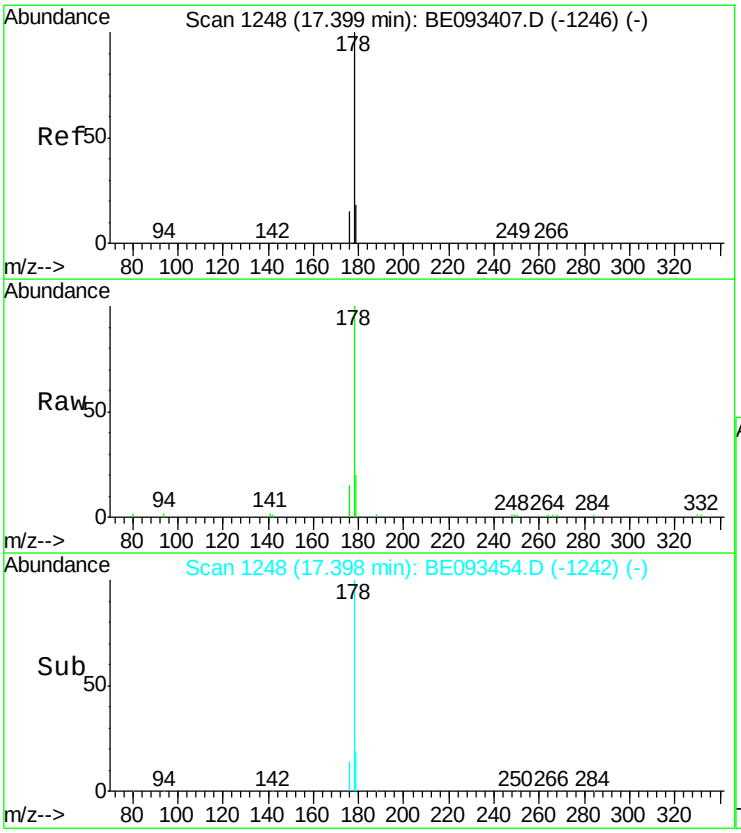
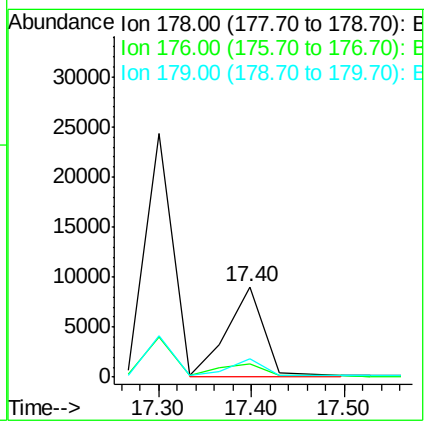
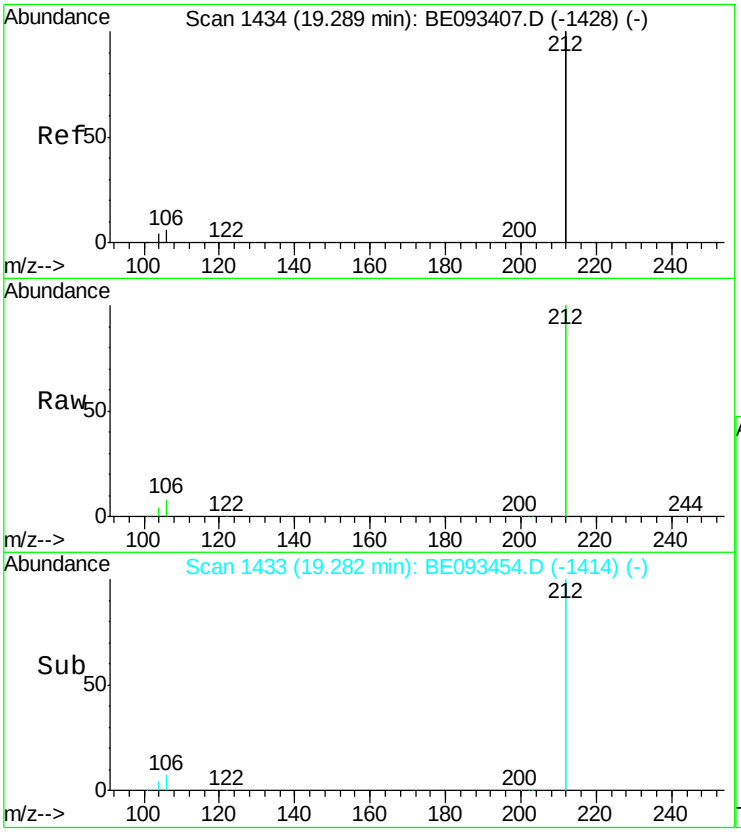


#24
Anthracene
Concen: 0.407 ng m
RT: 17.40 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:178 Resp: 25601

Ion	Ratio	Lower	Upper
178	100		
176	32.4	14.6	22.0#
179	33.1	12.0	18.0#

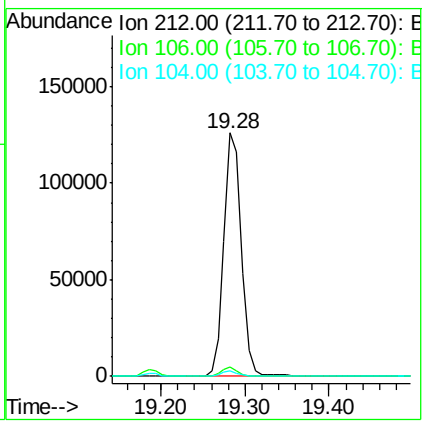




#25
Fluoranthene-d10
Concen: 0.529 ng
RT: 19.28 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:212 Resp: 180010

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.4	3.6
104	2.0	1.6	2.4



Instrument :
BNA_E
ClientSampleId :
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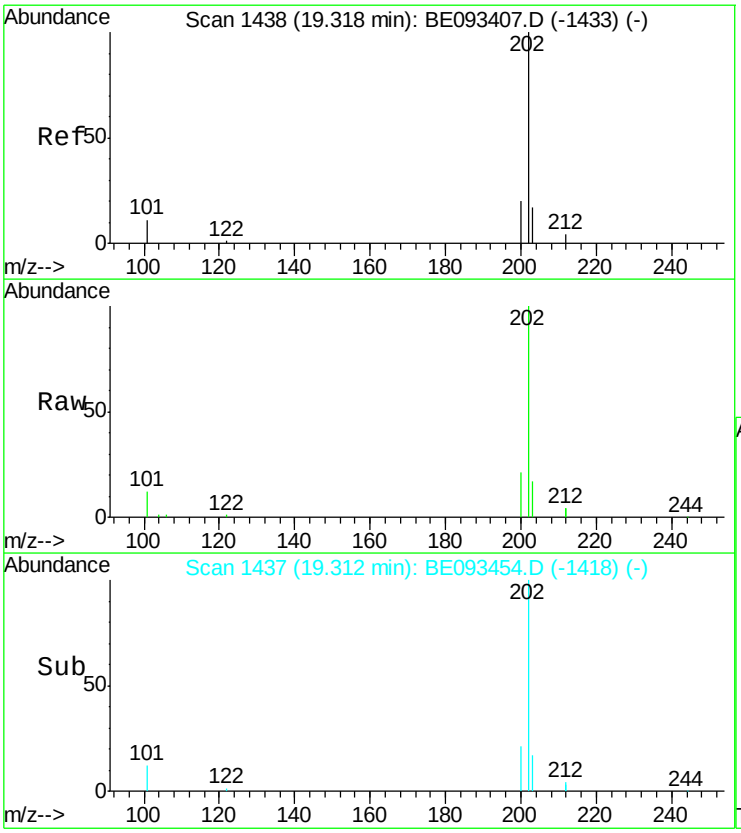
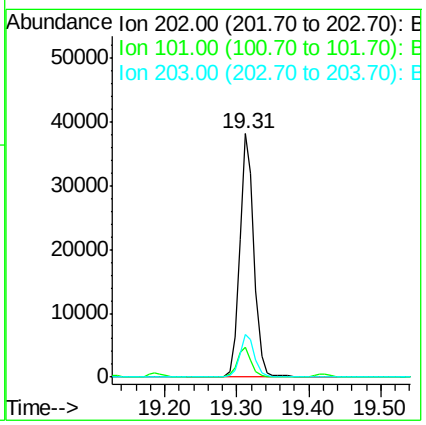
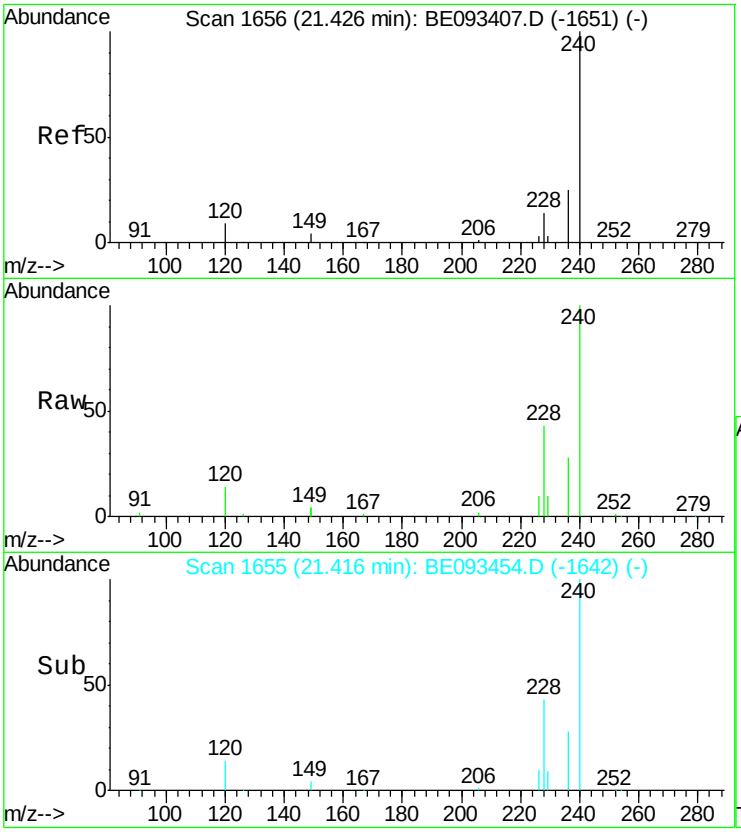


#26
Fluoranthene
Concen: 0.538 ng
RT: 19.31 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:202 Resp: 51882

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.6	14.4
203	17.2	14.4	21.6

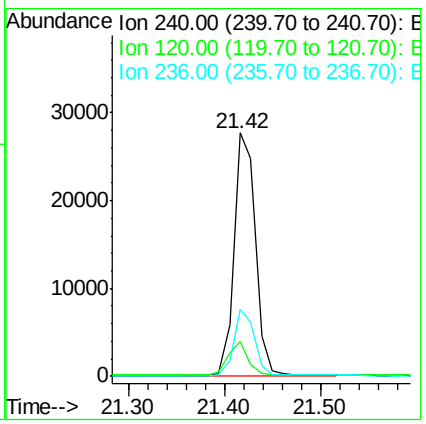




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:240 Resp: 42938

Ion	Ratio	Lower	Upper
240	100		
120	14.4	4.6	7.0#
236	27.7	20.8	31.2



Instrument :
BNA_E
ClientSampleId :
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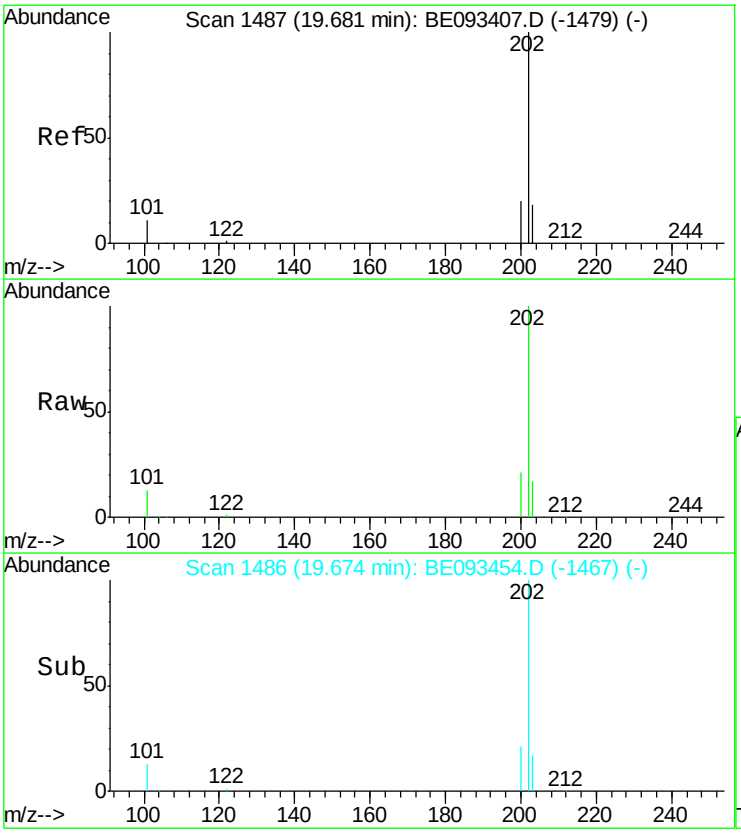
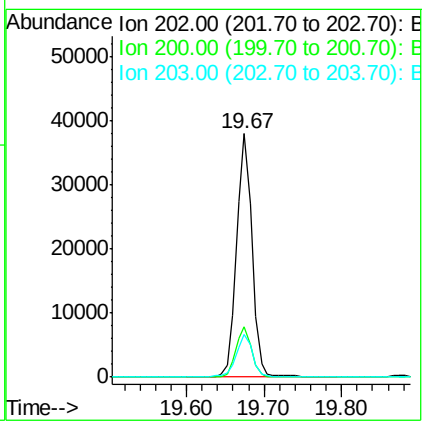
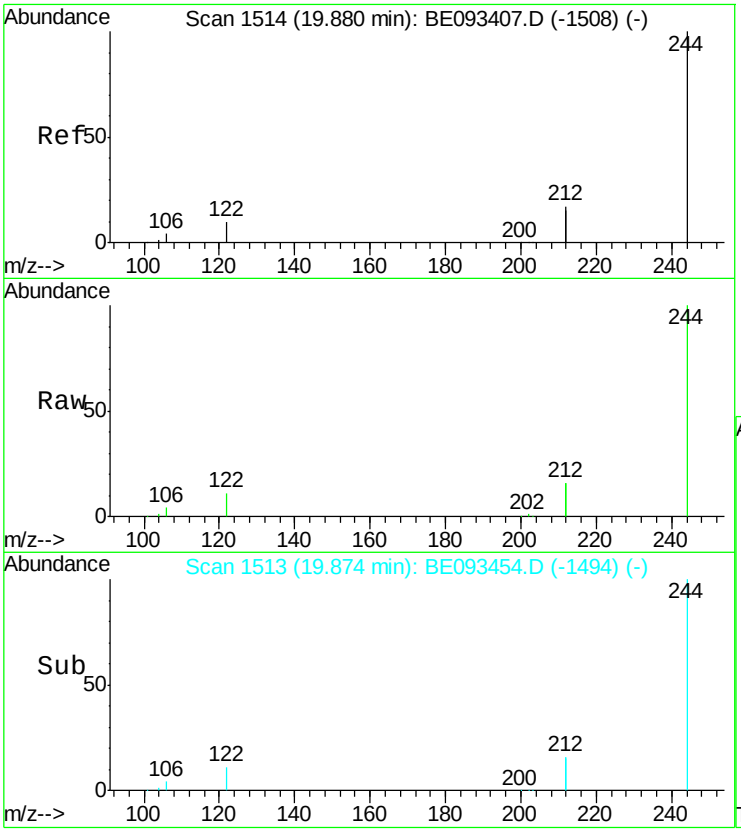


#28
Pyrene
Concen: 0.431 ng
RT: 19.67 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:202 Resp: 51967

Ion	Ratio	Lower	Upper
202	100		
200	20.6	0.0	0.0#
203	18.0	13.7	20.5





#29
Terphenyl-d14
Concen: 0.480 ng
RT: 19.87 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:244 Resp: 36787

Ion	Ratio	Lower	Upper
244	100		
212	32.0	10.6	16.0#
122	11.1	15.4	23.0#

Instrument :
BNA_E
ClientSampleId :
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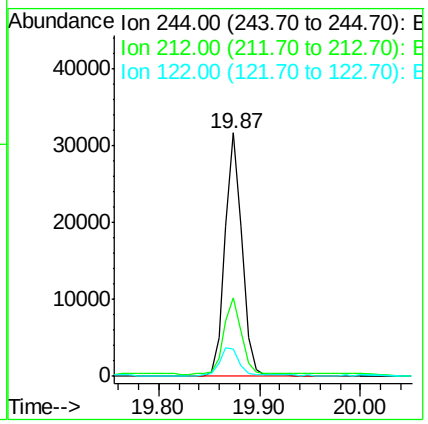
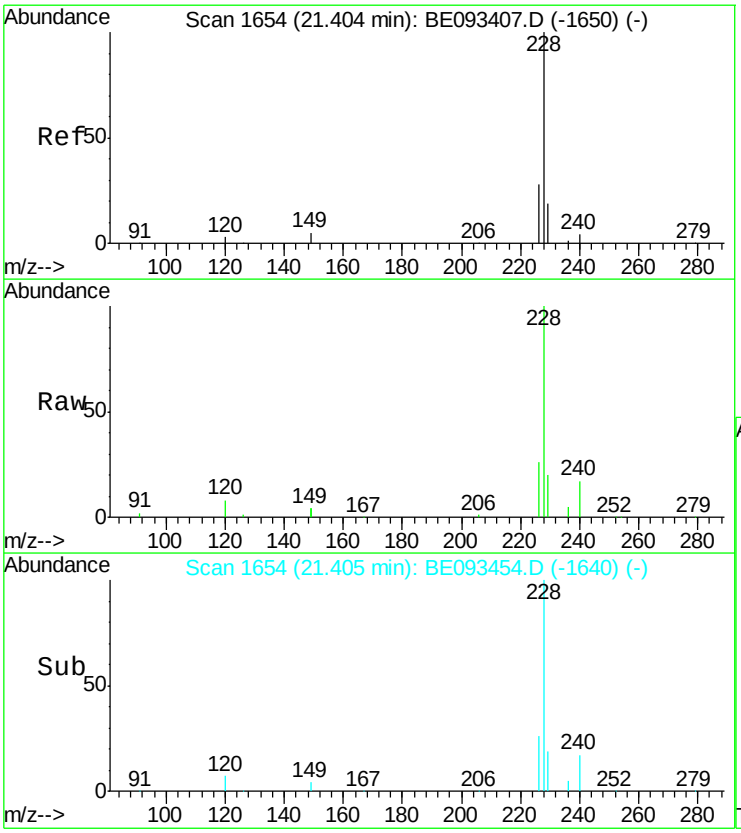
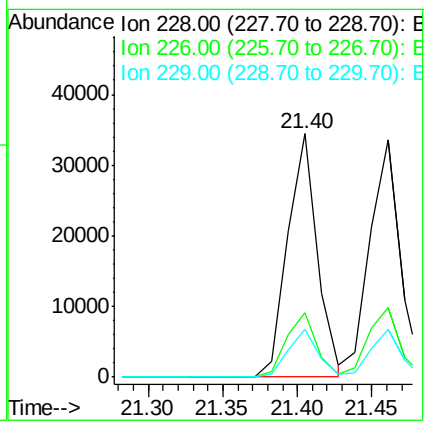


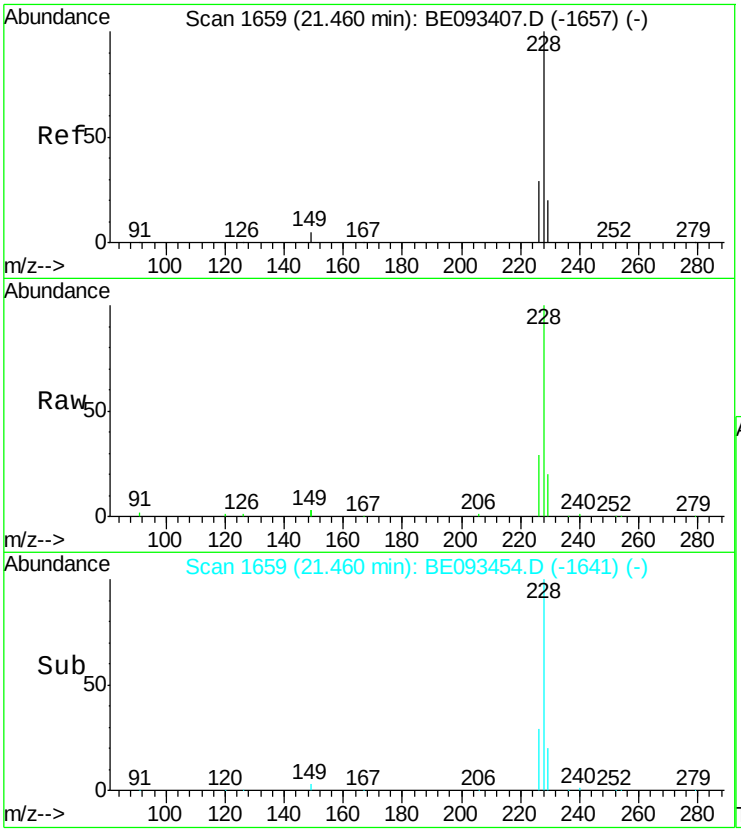


#30
Benzo(a)anthracene
Concen: 0.406 ng
RT: 21.40 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:228 Resp: 47014

Ion	Ratio	Lower	Upper
228	100		
226	26.3	19.7	29.5
229	19.6	19.2	28.8





#31
Chrysene
Concen: 0.393 ng
RT: 21.46 min Scan# 1659
Delta R.T. 0.00 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:228 Resp: 47708

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.5	32.3
229	20.3	18.6	28.0

Instrument :
BNA_E
ClientSampleId :
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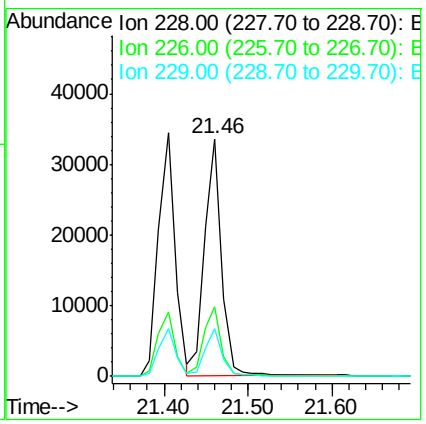
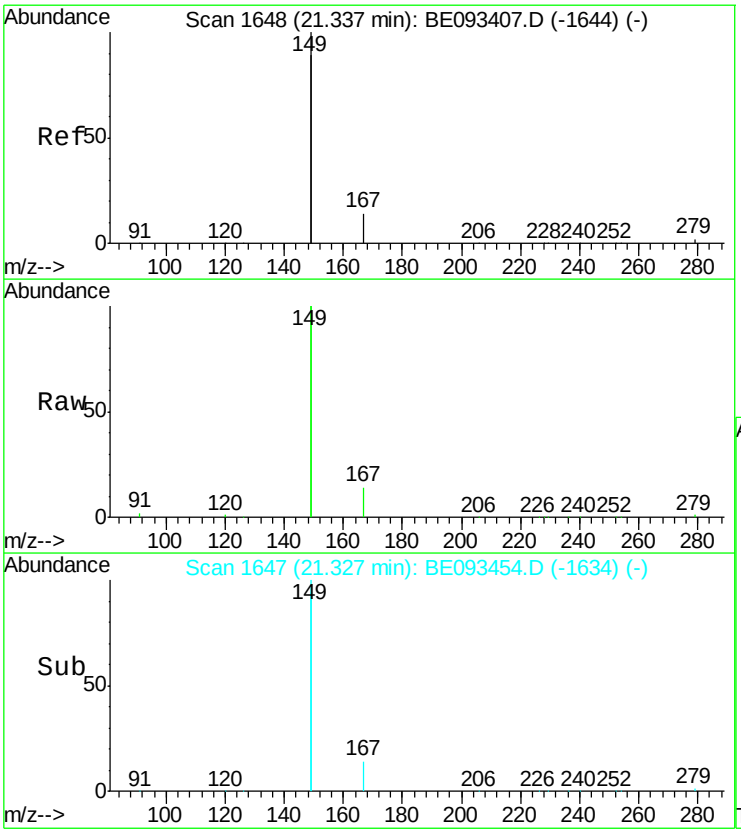
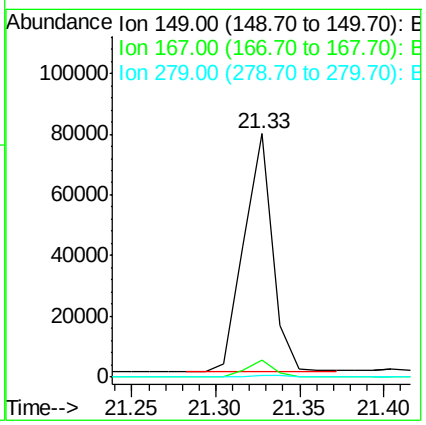


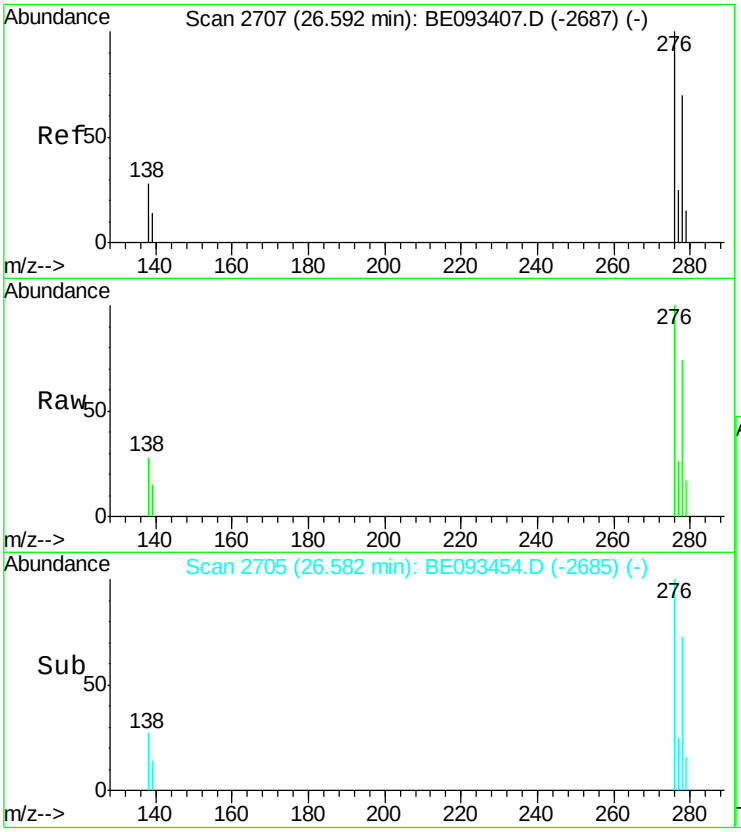


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.557 ng
RT: 21.33 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:149 Resp: 92945

Ion	Ratio	Lower	Upper
149	100		
167	6.7	20.1	30.1#
279	0.8	2.2	3.4#

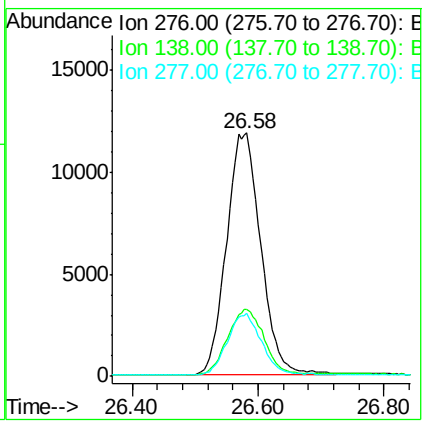




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.422 ng
RT: 26.58 min Scan# 2705
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:276 Resp: 44940

Ion	Ratio	Lower	Upper
276	100		
138	28.8	27.4	41.2
277	24.9	20.1	30.1



Instrument :
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ClientSampleId :
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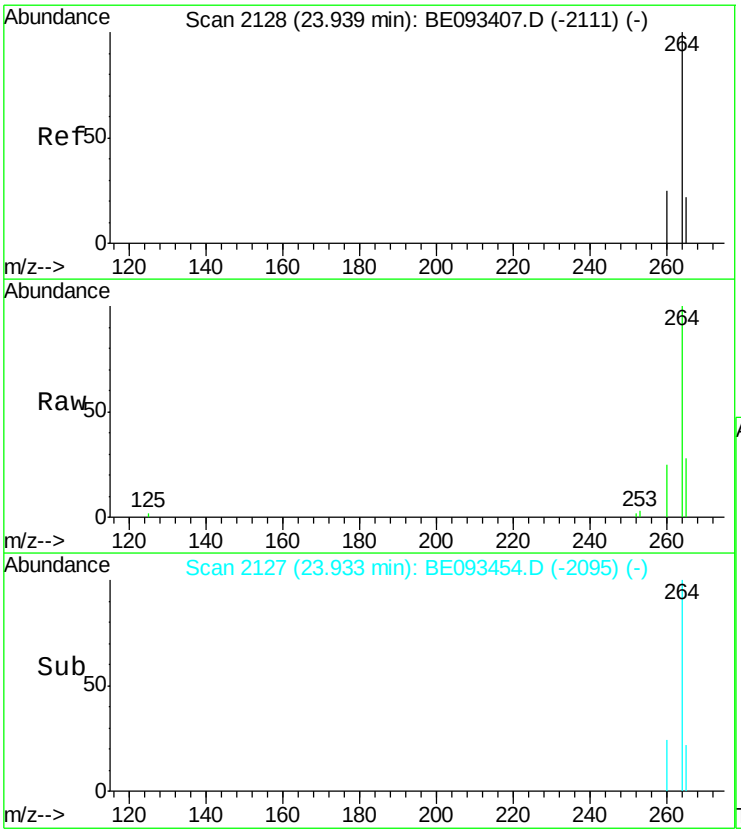
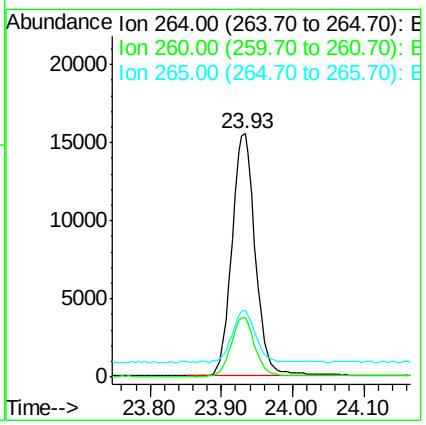
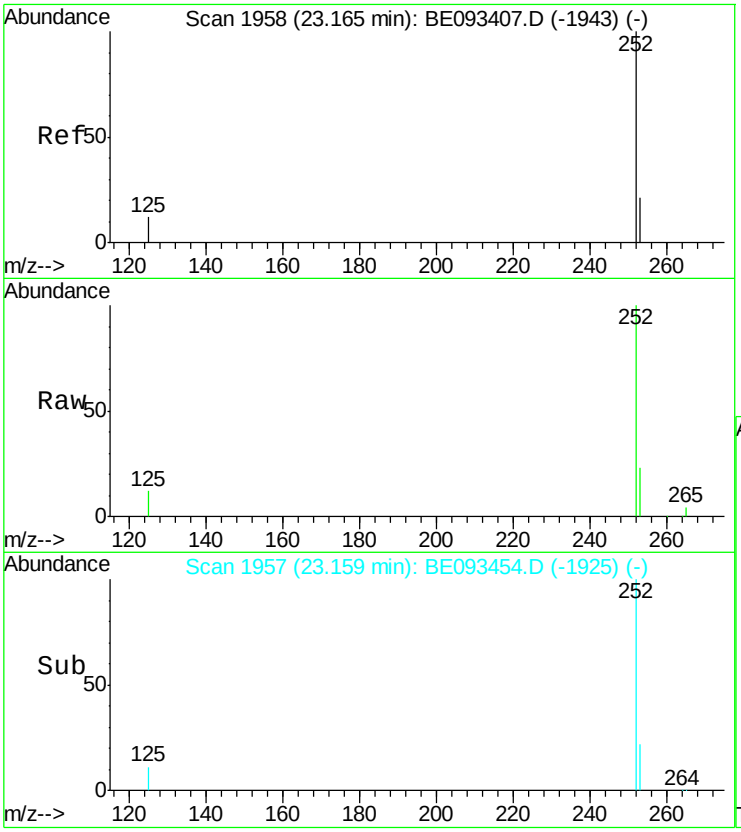


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:264 Resp: 35613

Ion	Ratio	Lower	Upper
264	100		
260	24.5	21.0	31.4
265	27.6	24.6	36.8





#35
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 23.16 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:252 Resp: 44796

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	12.2	13.4	20.0#

Instrument :
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ClientSampleId :
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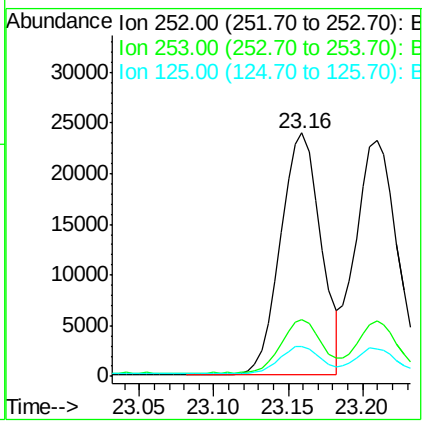
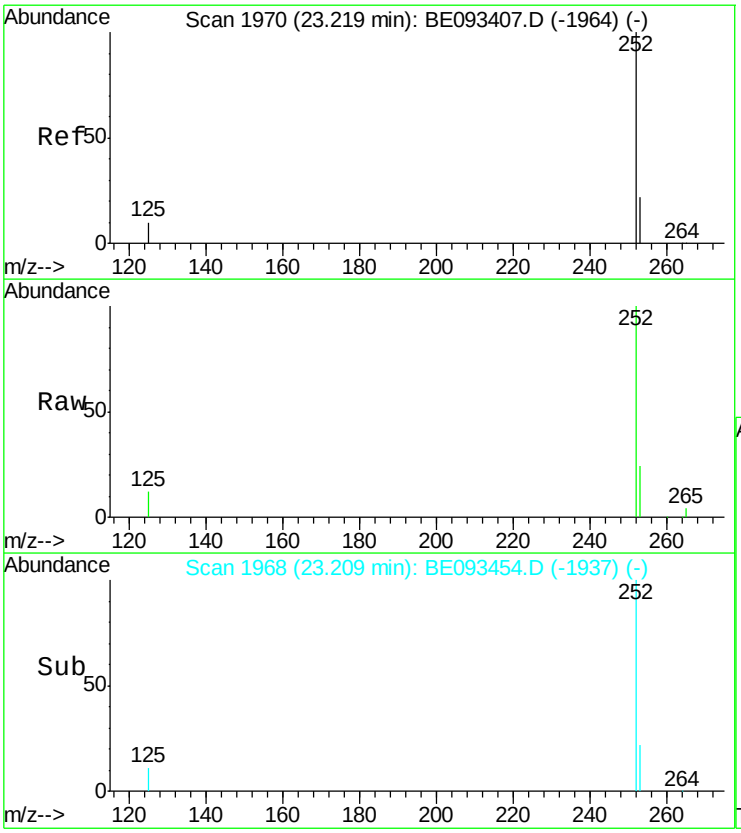
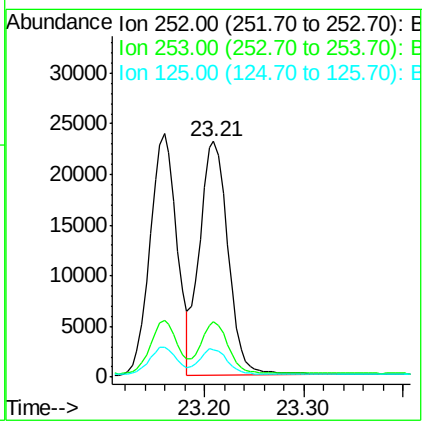


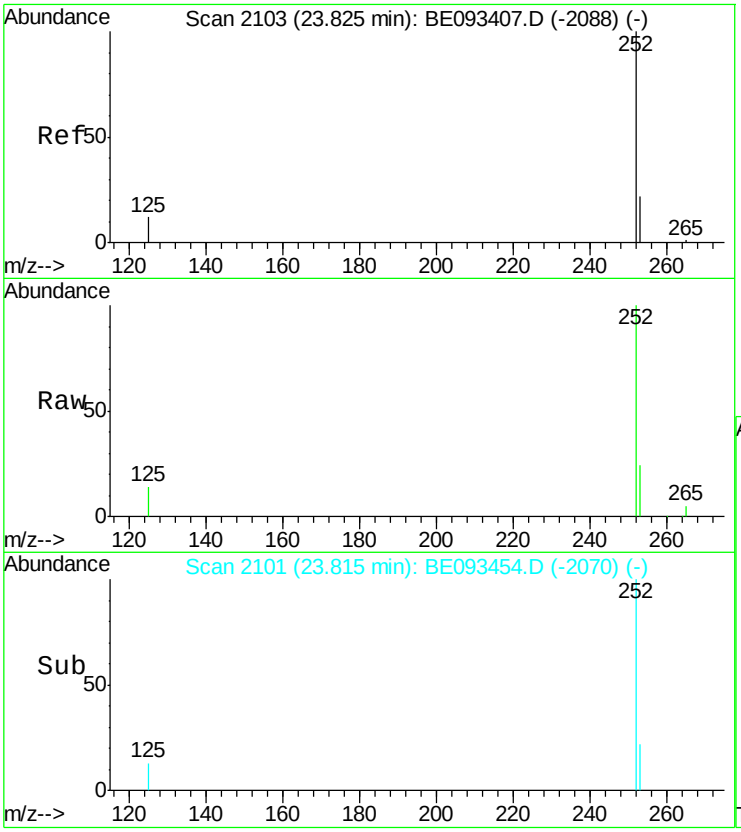


#36
Benzo(k)fluoranthene
Concen: 0.399 ng
RT: 23.21 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:252 Resp: 45347

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.3	30.5
125	11.8	12.2	18.4#





#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 23.82 min Scan# 2101
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:252 Resp: 37571

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.9	29.9
125	14.0	14.6	21.8#

Instrument :
BNA_E
ClientSampleId :
MW-19BR-20170705MS

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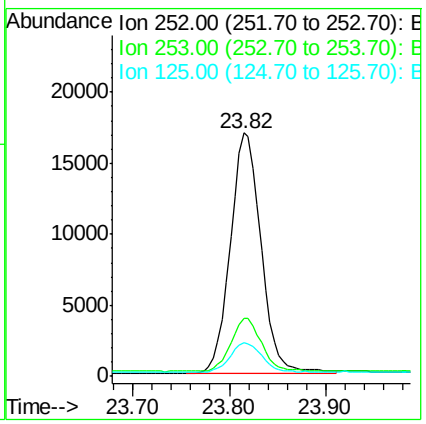
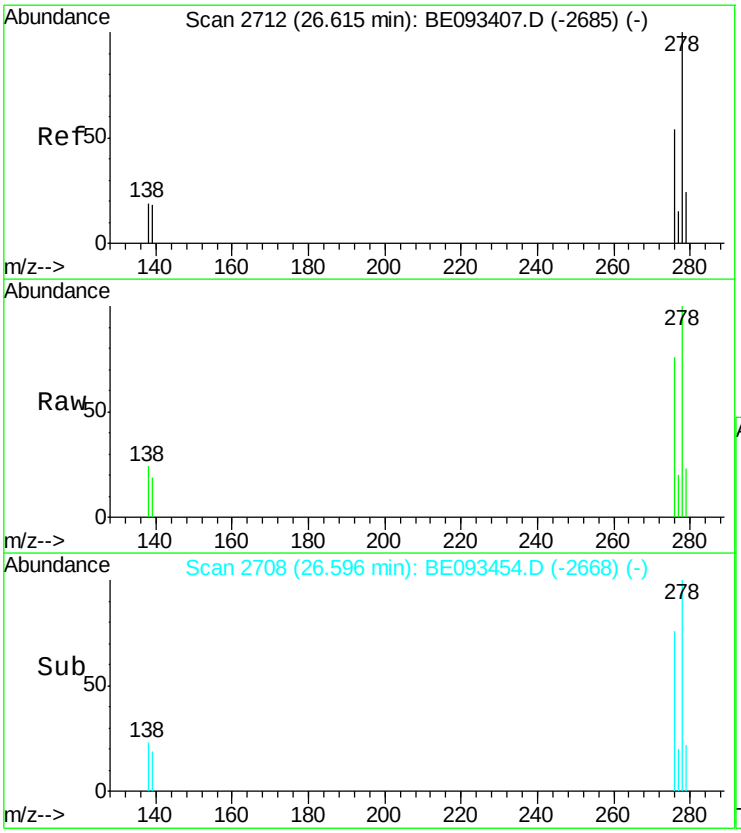
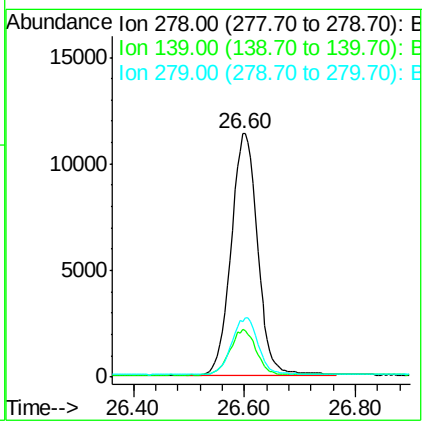


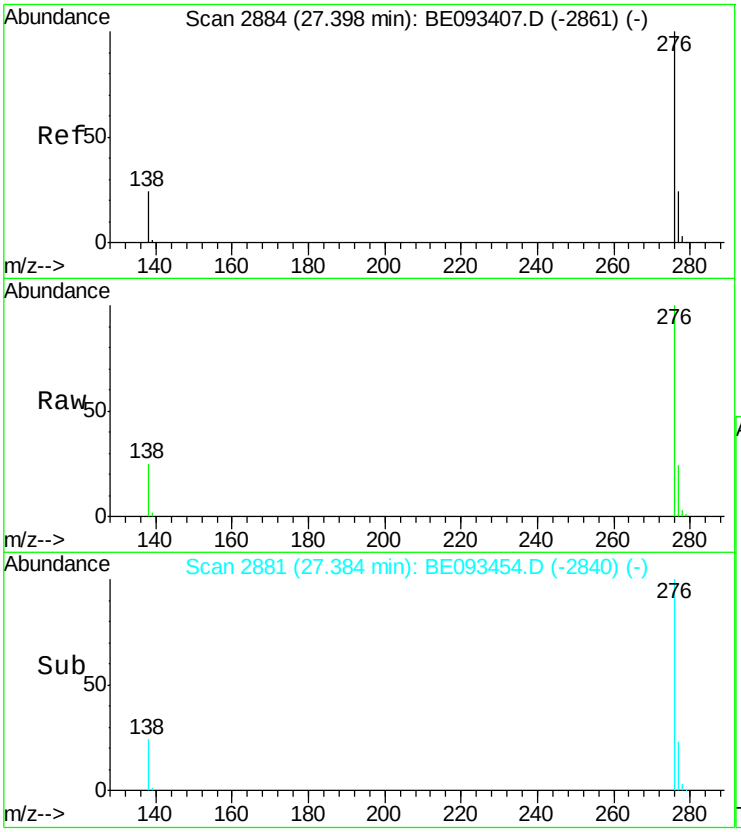


#38
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 26.60 min Scan# 2708
Delta R.T. -0.02 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:278 Resp: 38061

Ion	Ratio	Lower	Upper
278	100		
139	19.5	21.4	32.0#
279	23.0	22.2	33.2

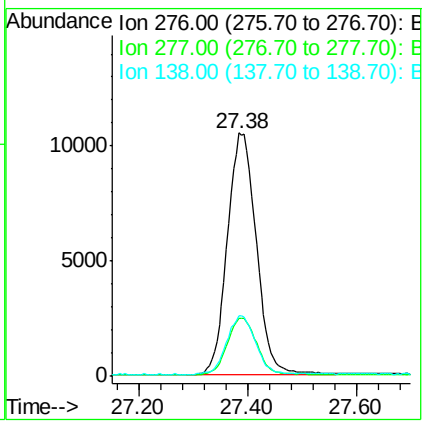




#39
Benzo(g,h,i)perylene
Concen: 0.390 ng
RT: 27.38 min Scan# 2881
Delta R.T. -0.01 min
Lab File: BE093454.D
Acq: 13 Jul 2017 12:10

Tgt Ion:276 Resp: 38551

Ion	Ratio	Lower	Upper
276	100		
277	23.6	21.2	31.8
138	24.9	24.5	36.7



Instrument :
BNA_E
ClientSampleId :
MW-19BR-20170705MS

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