Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE030819\
Data File : BE098836.D
Acq On : 8 Mar 2019 16:10
Operator : JU/SJ
Sample : K1793-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RE123D1-20190306MSD

Manual Integrations APPROVED
Sohil
3/11/2019 8:42:14 AM

Quant Time: Mar 09 04:48:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 15:33:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	771	0.40	ng		0.00
7) Naphthalene-d8	10.59	136	3146	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	1947	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	5285	0.40	ng		-0.01
27) Chrysene-d12	21.39	240	6885	0.40	ng		-0.01
34) Perylene-d12	23.90	264	6965	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	373	0.16	ng		0.00
5) Phenol-d6	7.00	99	297	0.09	ng		0.01
8) Nitrobenzene-d5	8.96	82	1232	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	2204m	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	459	0.47	ng		-0.01
15) 2-Fluorobiphenyl	13.07	172	3772	0.47	ng		-0.01
25) Fluoranthene-d10	19.24	212	30572	0.36	ng		0.00
29) Terphenyl-d14	19.84	244	8412	0.50	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	3439	2.793	ng		98
3) n-Nitrosodimethylamine	3.64	42	167	0.086	ng	#	62
6) bis(2-Chloroethyl)ether	7.22	93	829	0.330	ng	#	84
9) Naphthalene	10.64	128	14547	0.404	ng		99
10) Hexachlorobutadiene	10.91	225	858	0.360	ng		99
12) 2-Methylnaphthalene	12.27	142	2451	0.419	ng		98
16) Acenaphthylene	14.18	152	3997	0.399	ng		96
17) Acenaphthene	14.53	154	2466	0.415	ng		97
18) Fluorene	15.50	166	3530	0.412	ng		97
20) 4-Bromophenyl-phenylether	16.40	248	1079	0.377	ng		93
21) Hexachlorobenzene	16.52	284	1306	0.383	ng		95
22) Pentachlorophenol	16.88	266	675	0.847	ng	#	84
23) Phenanthrene	17.26	178	6169	0.411	ng		100
24) Anthracene	17.35	178	4882	0.380	ng		99
26) Fluoranthene	19.27	202	8579	0.405	ng		99
28) Pyrene	19.63	202	8810	0.418	ng		99
30) Benzo(a)anthracene	21.38	228	9265	0.431	ng		98
31) Chrysene	21.44	228	9909	0.431	ng		99
32) Bis(2-ethylhexyl)phthalate	21.29	149	20684	0.452	ng		100
33) Indeno(1,2,3-cd)pyrene	26.53	276	10436	0.430	ng		98
35) Benzo(b)fluoranthene	23.13	252	9879m	0.431	ng		
36) Benzo(k)fluoranthene	23.18	252	10275	0.429	ng		100
37) Benzo(a)pyrene	23.78	252	9331	0.425	ng	#	97
38) Dibenzo(a,h)anthracene	26.55	278	8566	0.412	ng		99
39) Benzo(g,h,i)perylene	27.34	276	8969	0.413	ng		100

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

Quantitation Report (QT Reviewed)

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QLast Update : Wed Mar 06 15:33:24 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

Manual Integrations APPROVED
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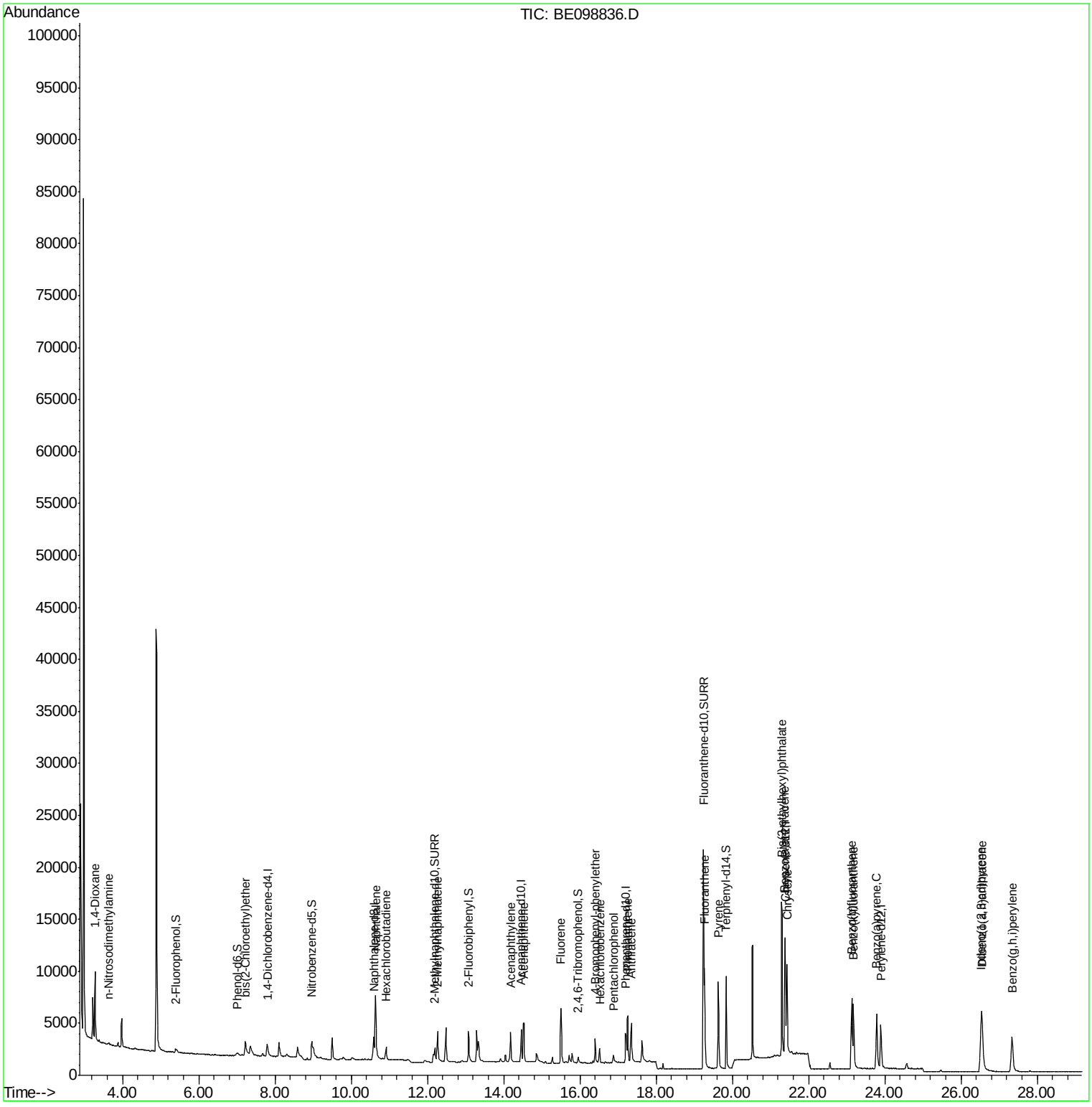
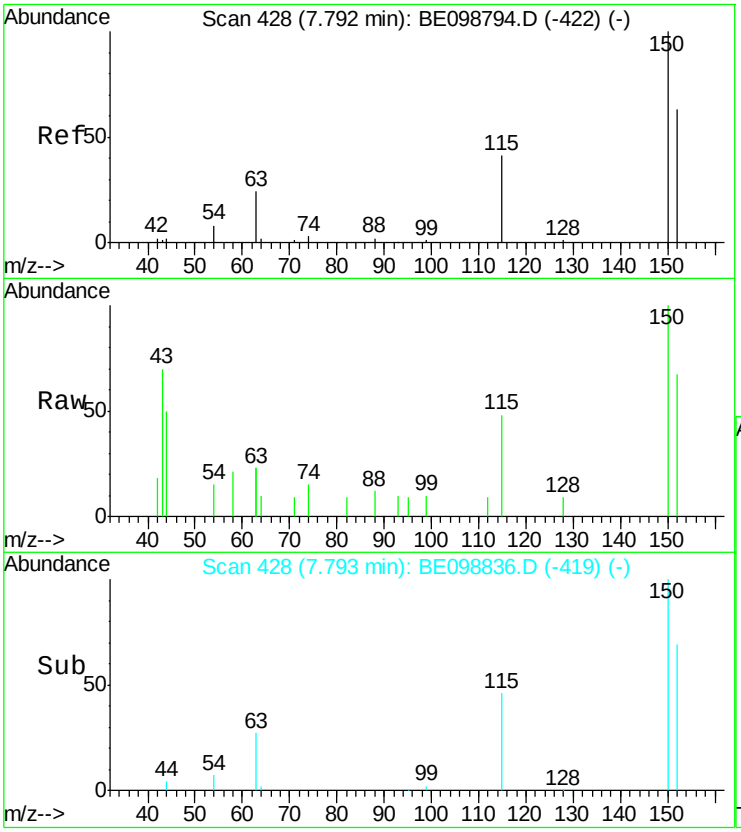
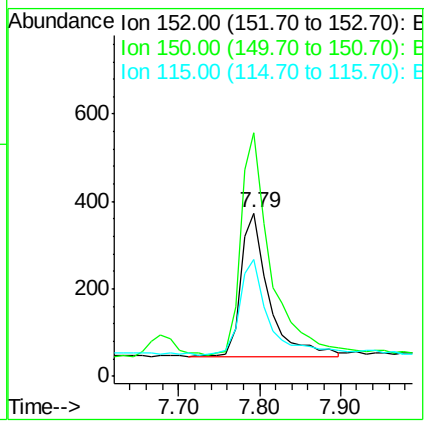




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:152 Resp: 771

Ion	Ratio	Lower	Upper
152	100		
150	148.9	122.5	183.7
115	71.4	57.4	86.2



Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

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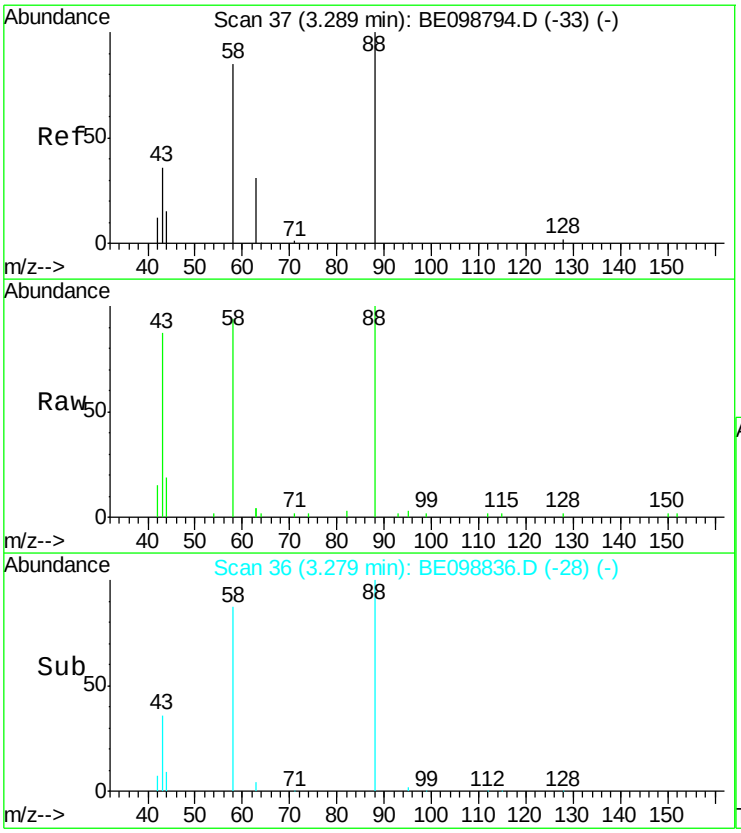
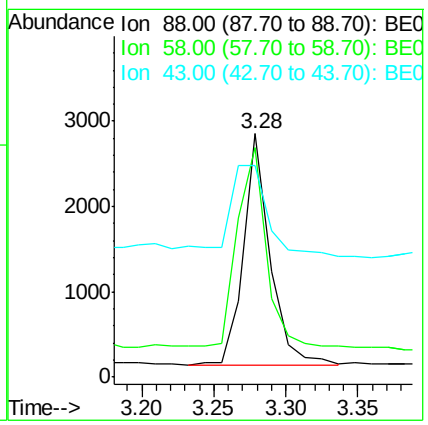
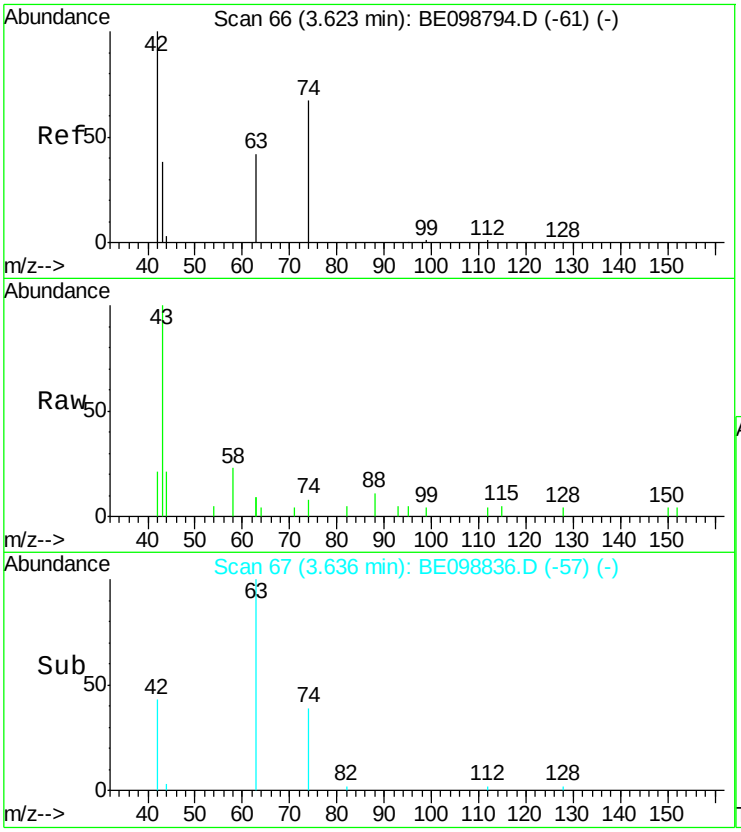


#2
1,4-Dioxane
Concen: 2.793 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion: 88 Resp: 3439

Ion	Ratio	Lower	Upper
88	100		
58	95.8	75.8	113.6
43	55.2	41.8	62.8





#3
n-Nitrosodimethylamine
Concen: 0.086 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion: 42 Resp: 167

Ion	Ratio	Lower	Upper
42	100		
74	102.4	57.0	85.4#
44	0.0	0.0	0.0

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

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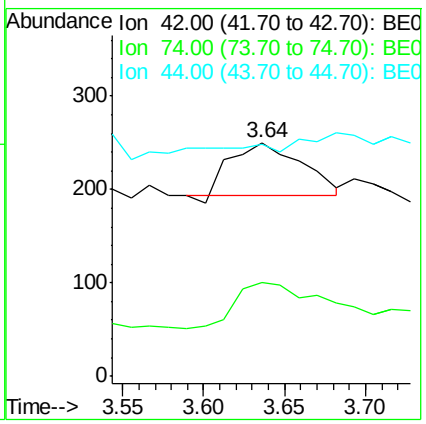
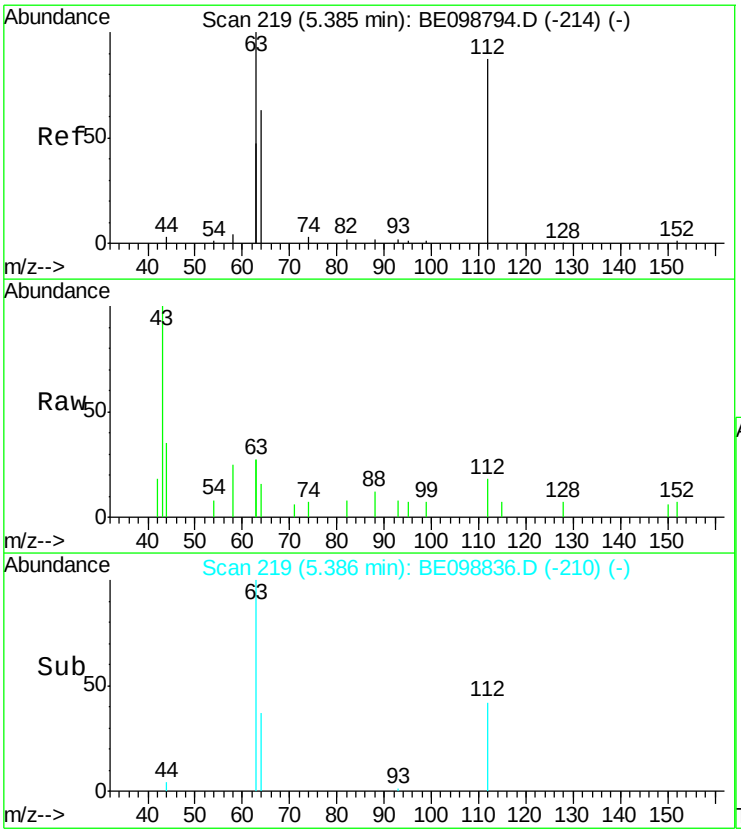
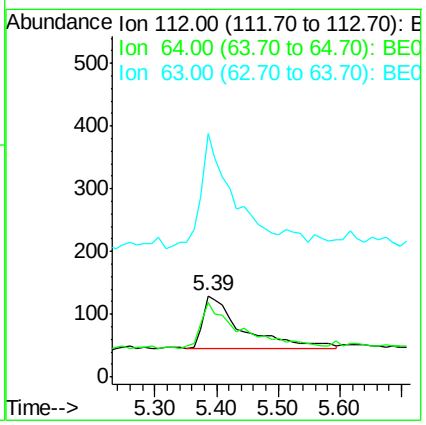


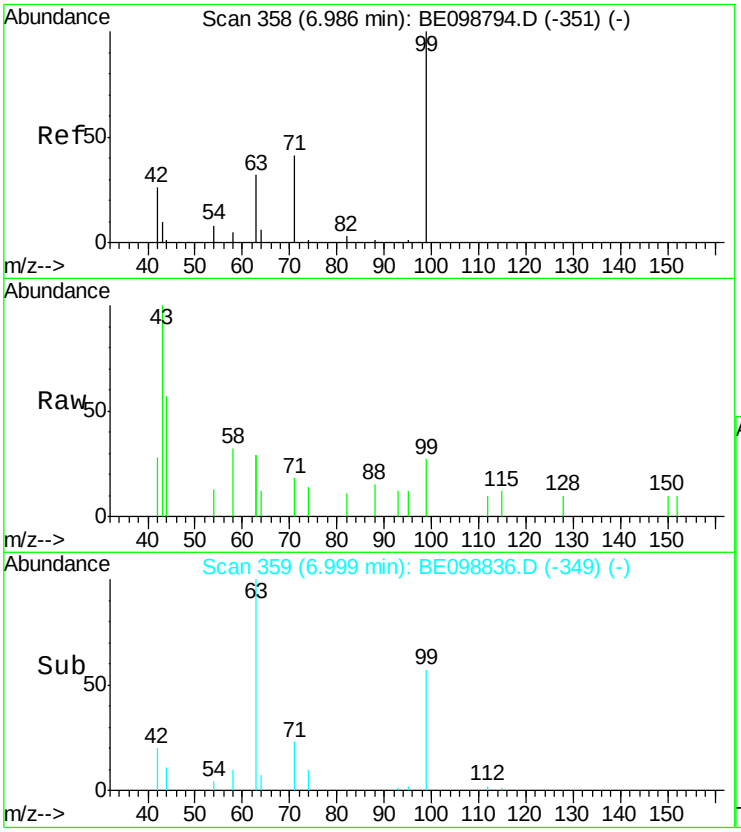


#4
2-Fluorophenol
Concen: 0.162 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:112 Resp: 373

Ion	Ratio	Lower	Upper
112	100		
64	81.0	57.9	86.9
63	170.5	158.3	237.5





#5
Phenol-d6
Concen: 0.091 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion: 99 Resp: 297

Ion	Ratio	Lower	Upper
99	100		
42	46.1	24.2	36.2#
71	38.0	35.7	53.5

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

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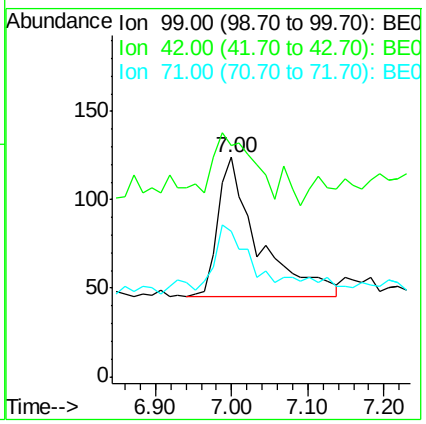
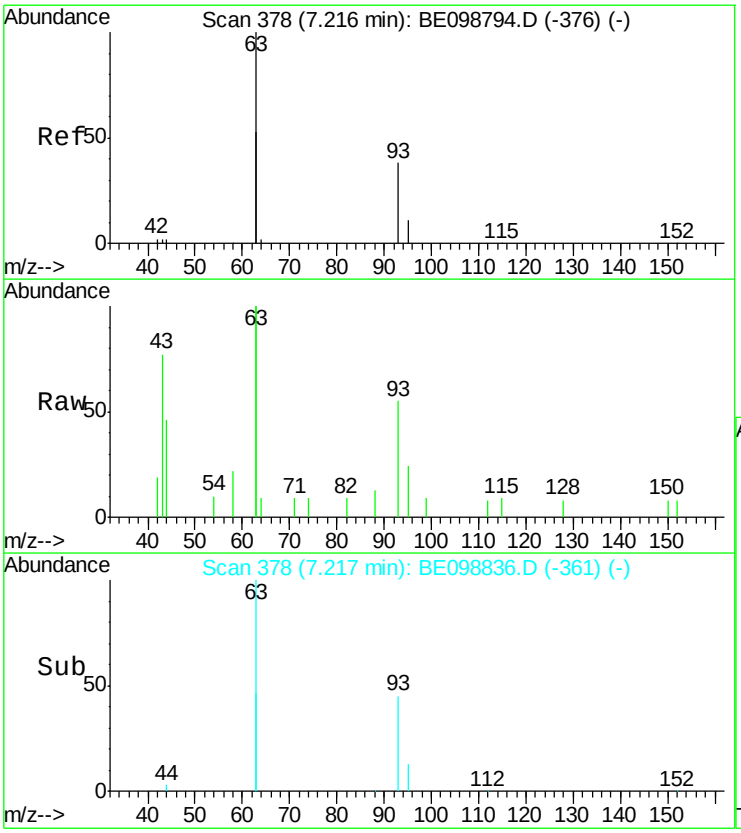
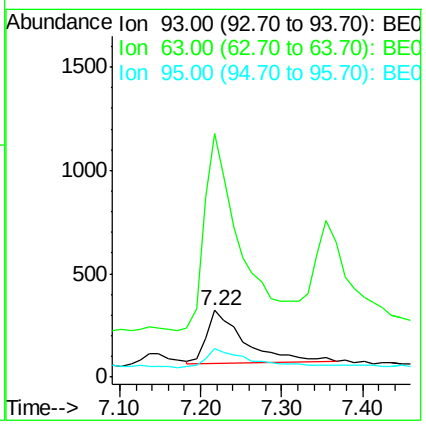


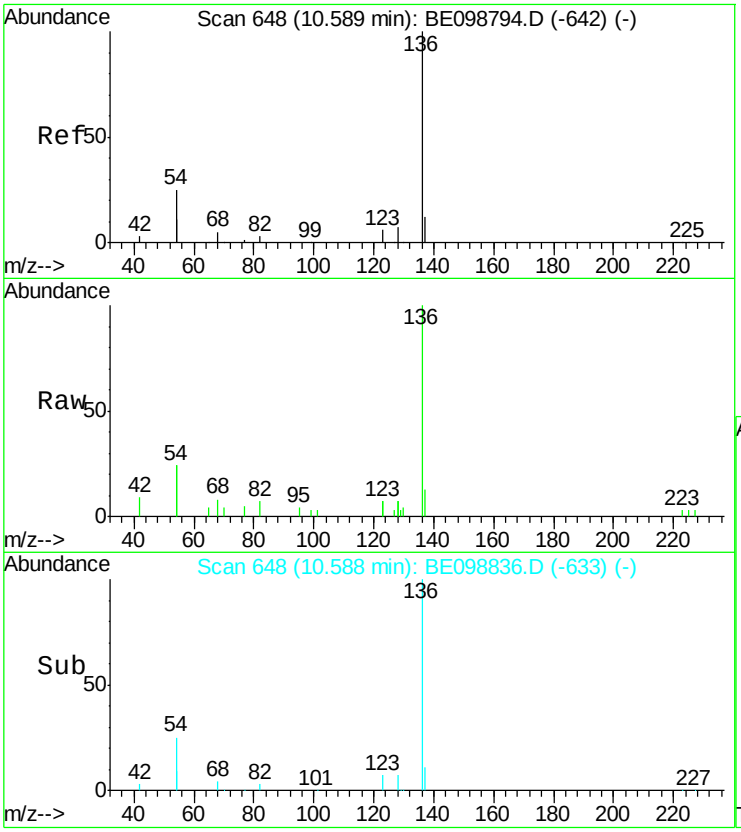


#6
bis(2-Chloroethyl)ether
Concen: 0.330 ng
RT: 7.22 min Scan# 378
Delta R.T. 0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion: 93 Resp: 829

Ion	Ratio	Lower	Upper
93	100		
63	340.9	247.5	371.3
95	39.3	21.8	32.8#

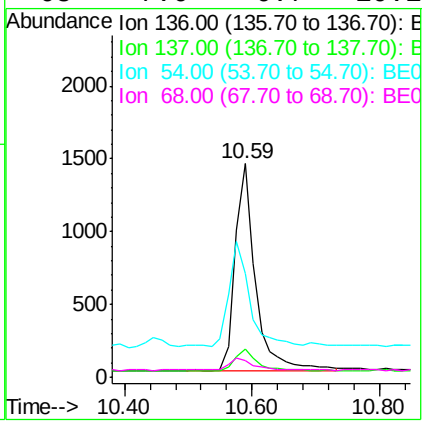




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:136 Resp: 3146

Ion	Ratio	Lower	Upper
136	100		
137	13.5	11.4	17.0
54	48.4	39.3	58.9
68	7.6	6.7	10.1



Instrument :
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ClientSampleId :
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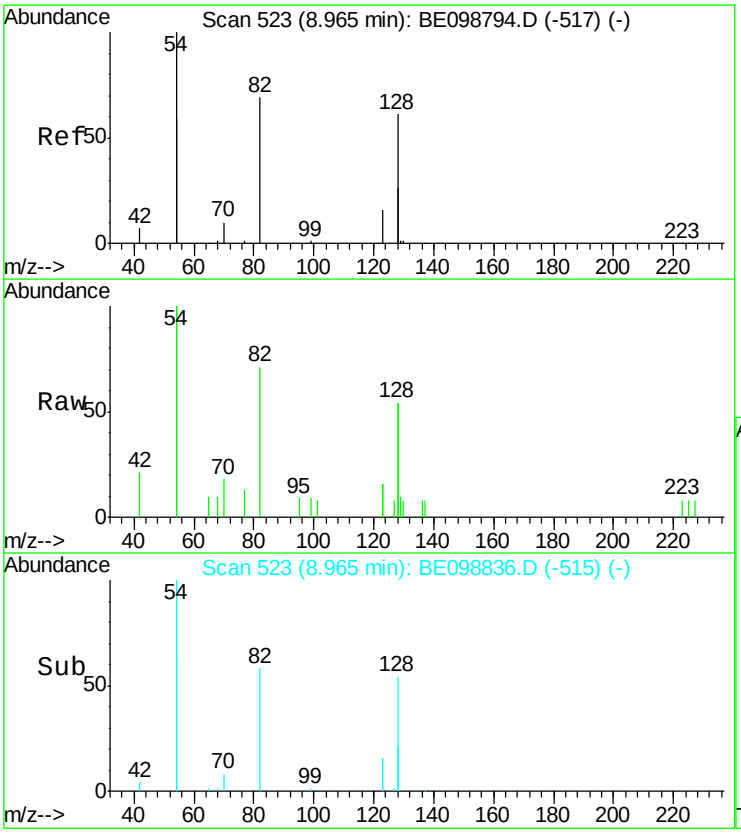
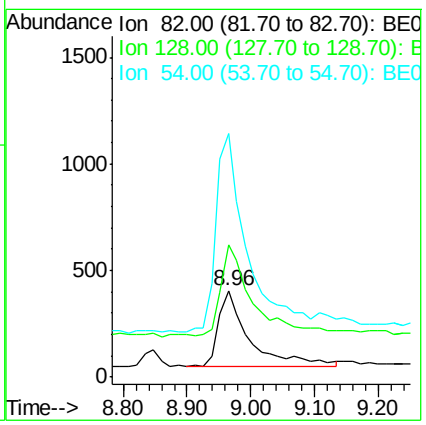
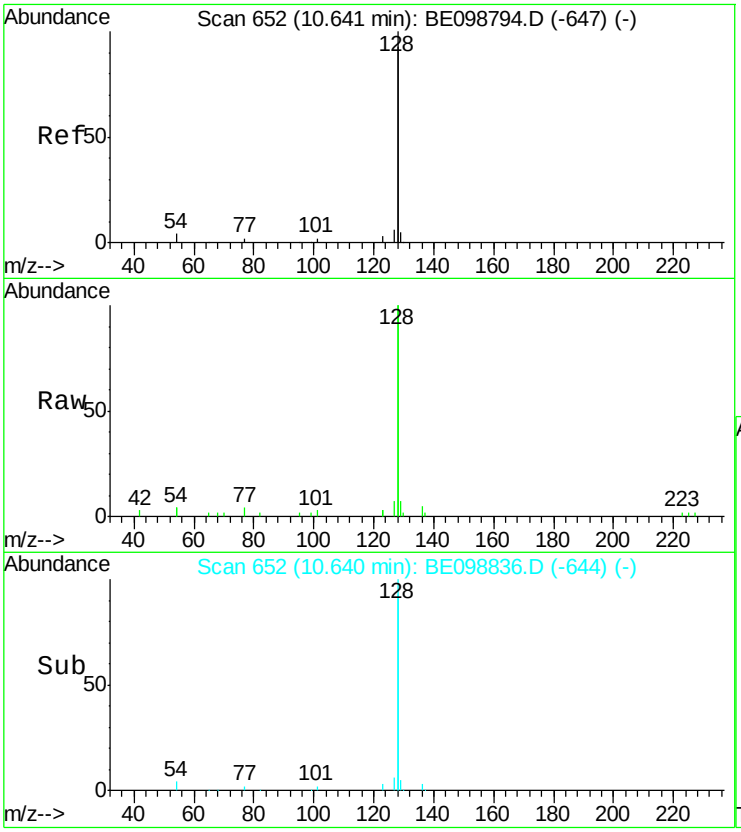


#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion: 82 Resp: 1232

Ion	Ratio	Lower	Upper
82	100		
128	153.1	123.8	185.8
54	282.0	203.4	305.2

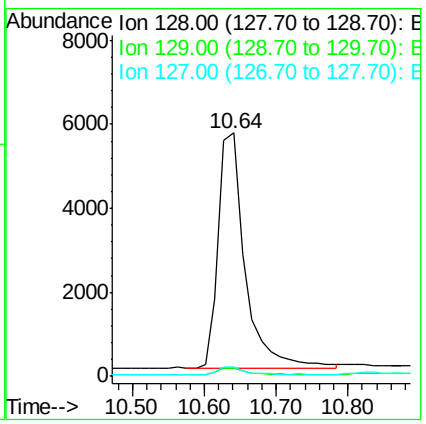




#9
Naphthalene
Concen: 0.404 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:128 Resp: 14547

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	4.0
127	3.7	3.1	4.7



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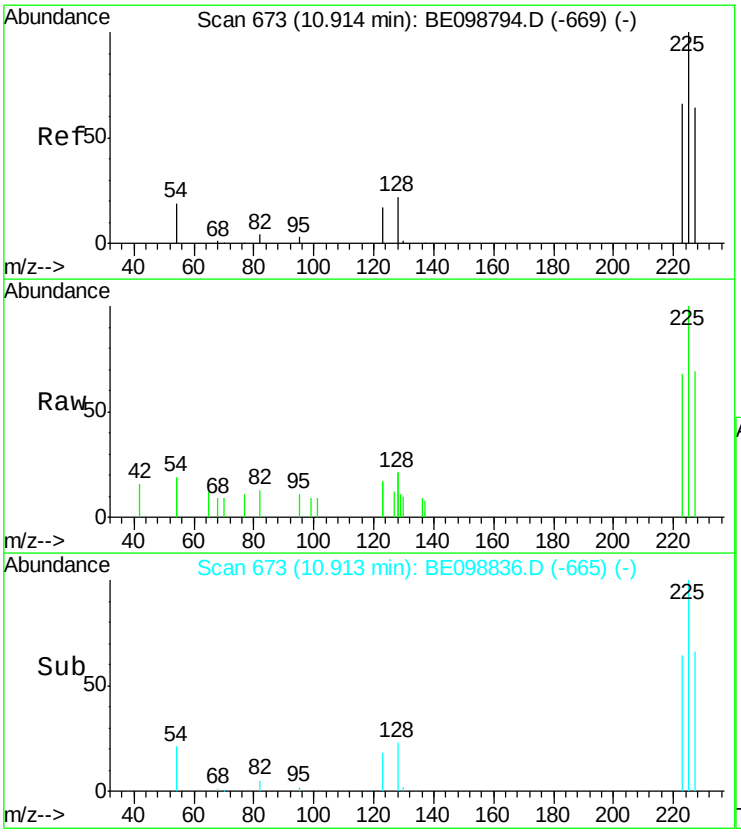
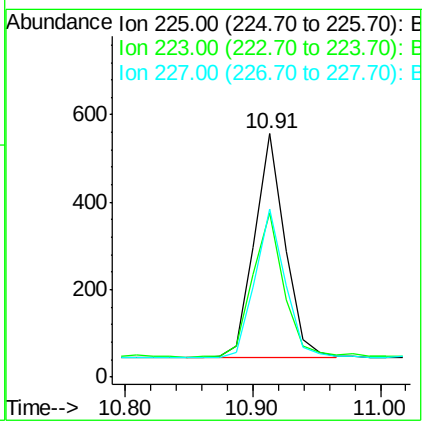
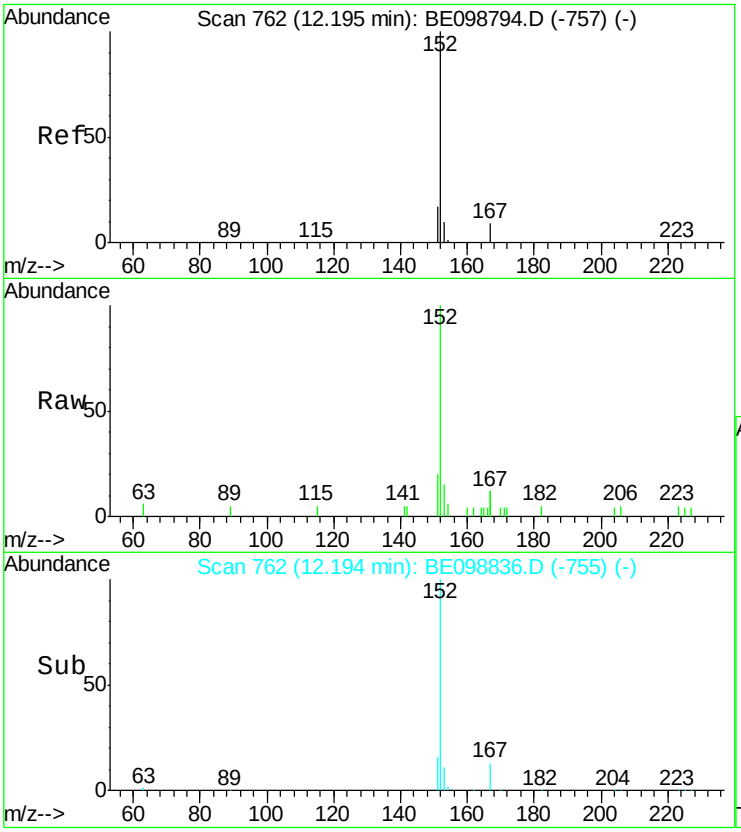


#10
Hexachlorobutadiene
Concen: 0.360 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:225 Resp: 858

Ion	Ratio	Lower	Upper
225	100		
223	65.2	51.1	76.7
227	65.0	51.6	77.4

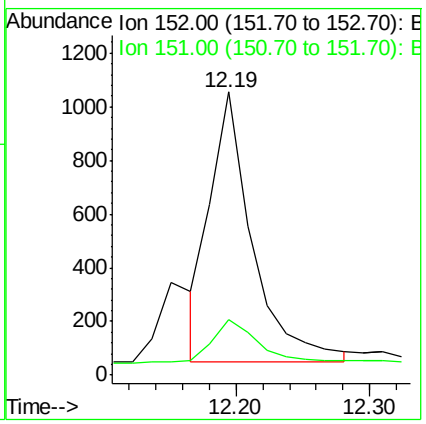




#11
2-Methylnaphthalene-d10
Concen: 0.379 ng m
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:152 Resp: 2204

Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.5	24.7



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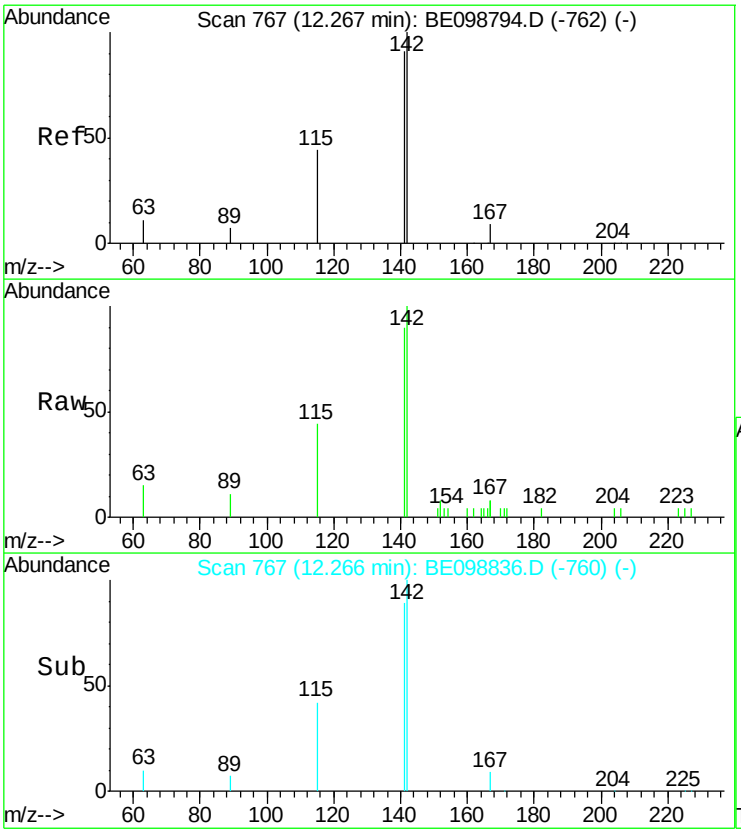
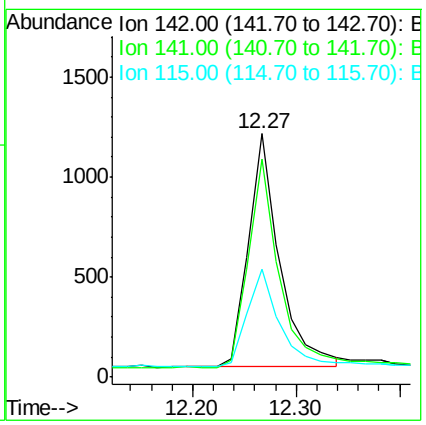
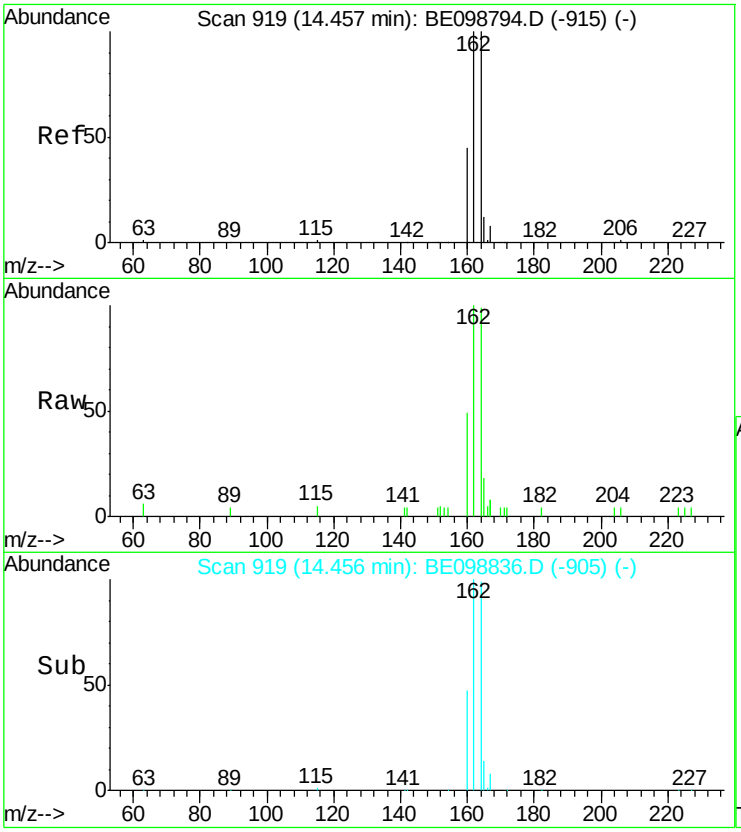


#12
2-Methylnaphthalene
Concen: 0.419 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:142 Resp: 2451

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.6	108.8
115	44.4	37.4	56.2

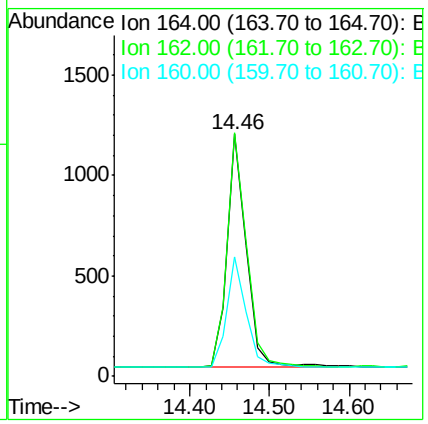




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:164 Resp: 1947

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.2	120.2
160	49.5	37.8	56.8



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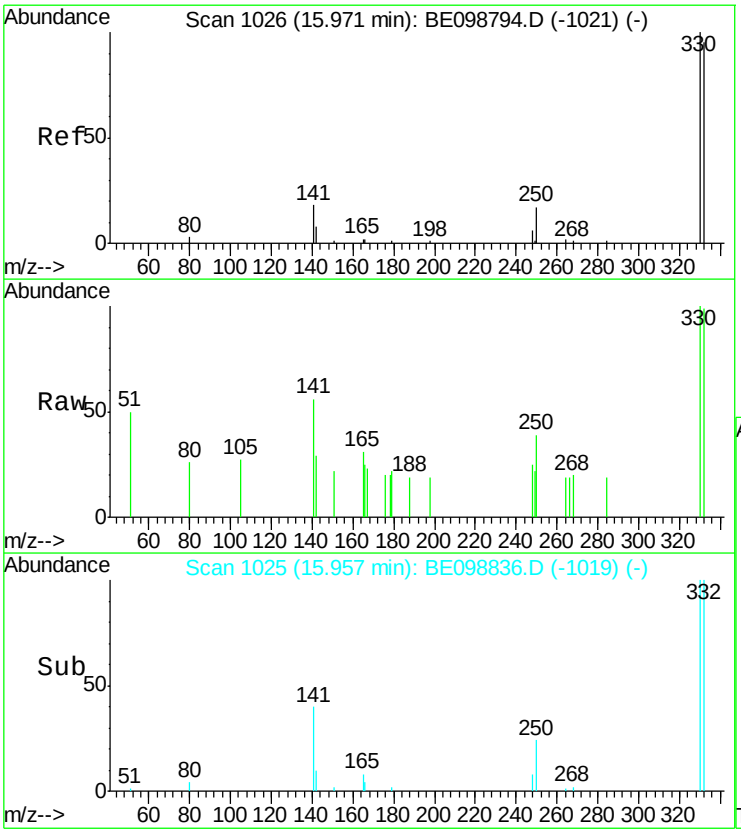
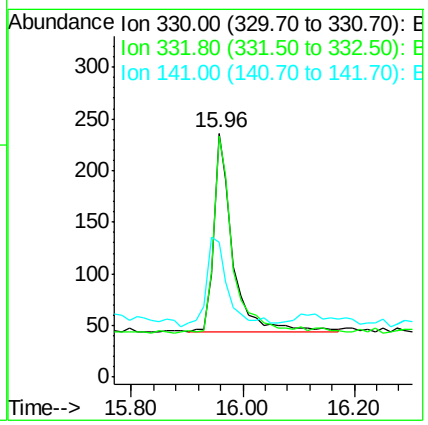
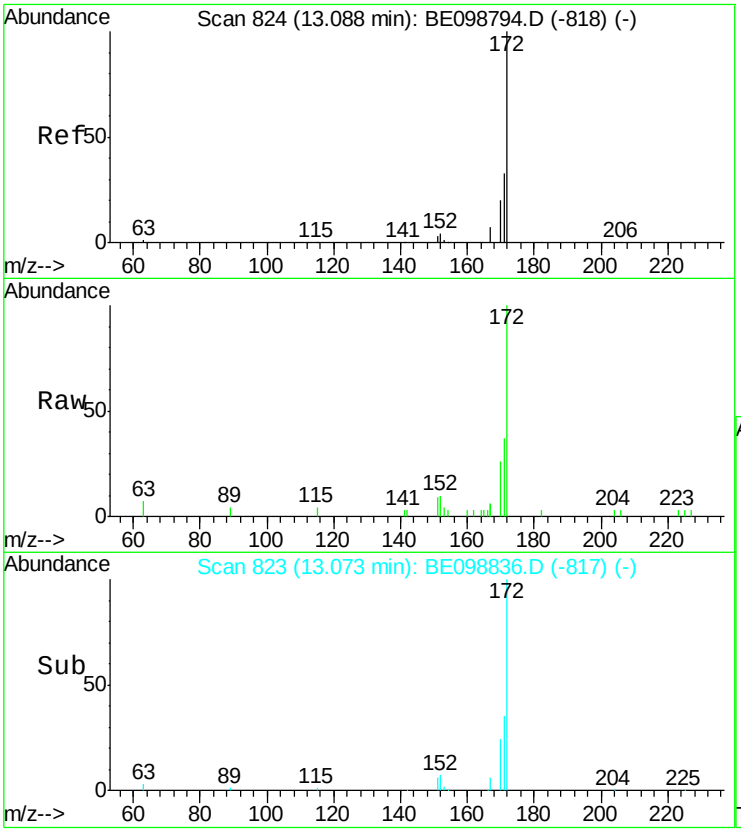


#14
2,4,6-Tribromophenol
Concen: 0.467 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:330 Resp: 459

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.6	116.4
141	44.4	31.0	46.4

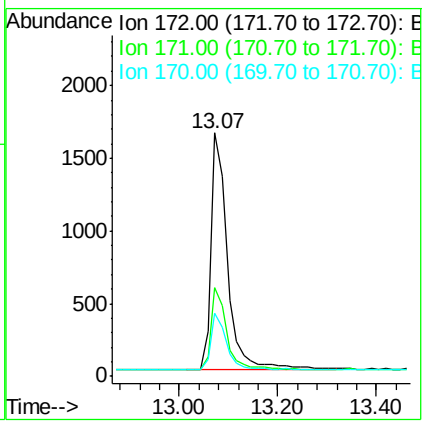




#15
2-Fluorobiphenyl
Concen: 0.468 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:172 Resp: 3772

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.0	42.0
170	26.0	17.7	26.5



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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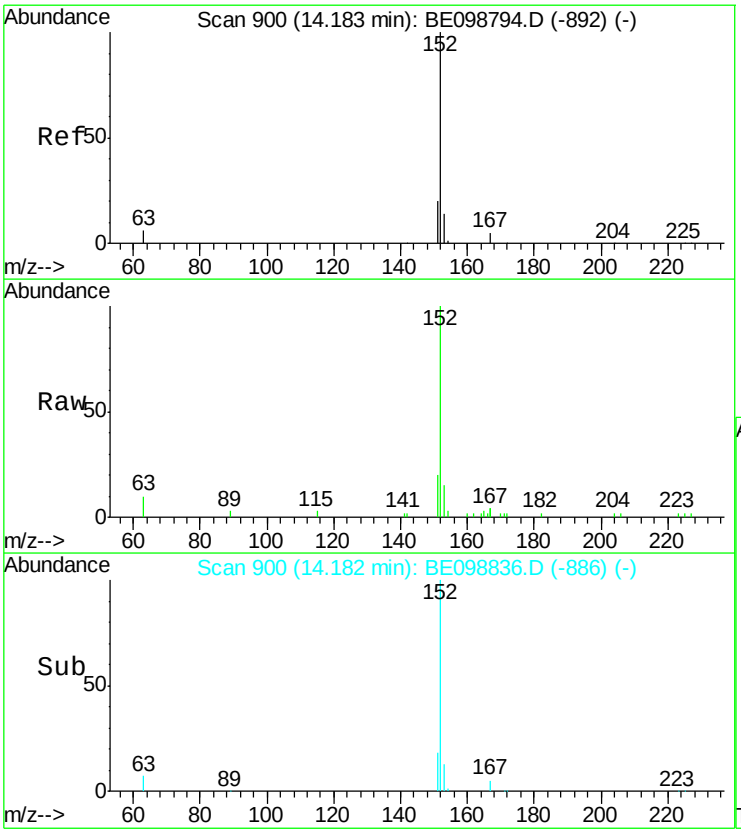
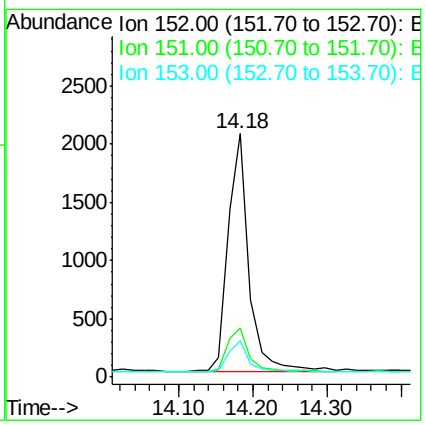
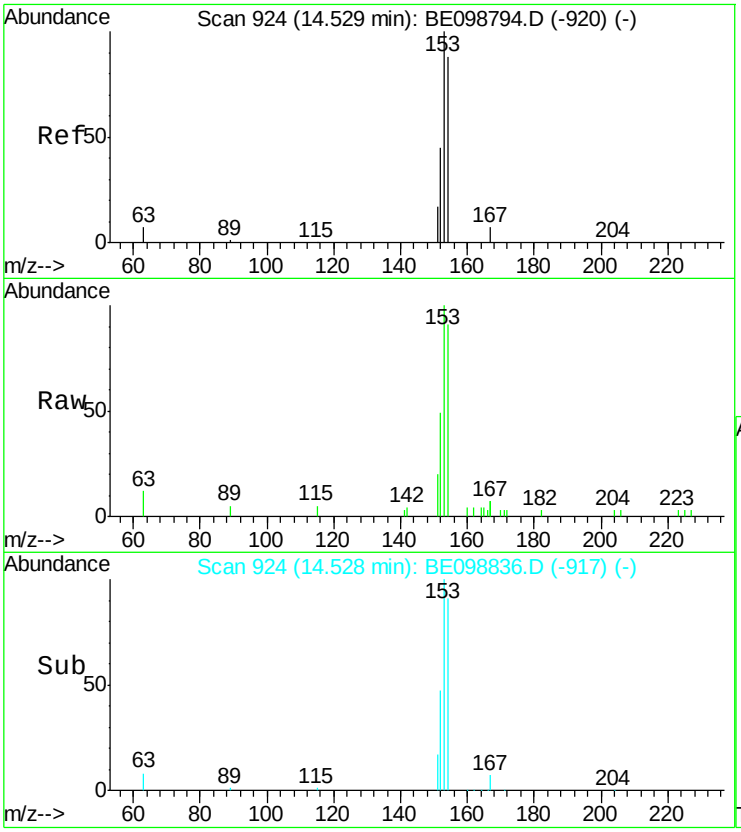


#16
Acenaphthylene
Concen: 0.399 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:152 Resp: 3997

Ion	Ratio	Lower	Upper
152	100		
151	19.1	17.0	25.6
153	13.2	11.2	16.8

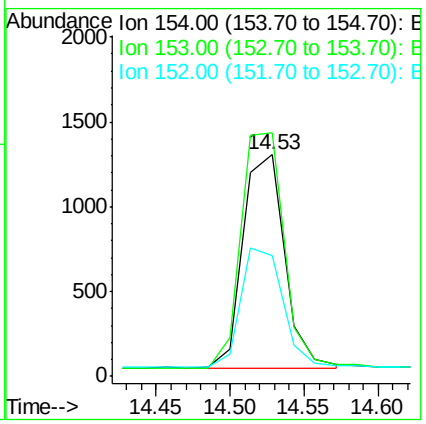




#17
Acenaphthene
Concen: 0.415 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:154 Resp: 2466

Ion	Ratio	Lower	Upper
154	100		
153	114.2	94.2	141.4
152	55.4	45.0	67.4



Instrument :
BNA_E
ClientSampleId :
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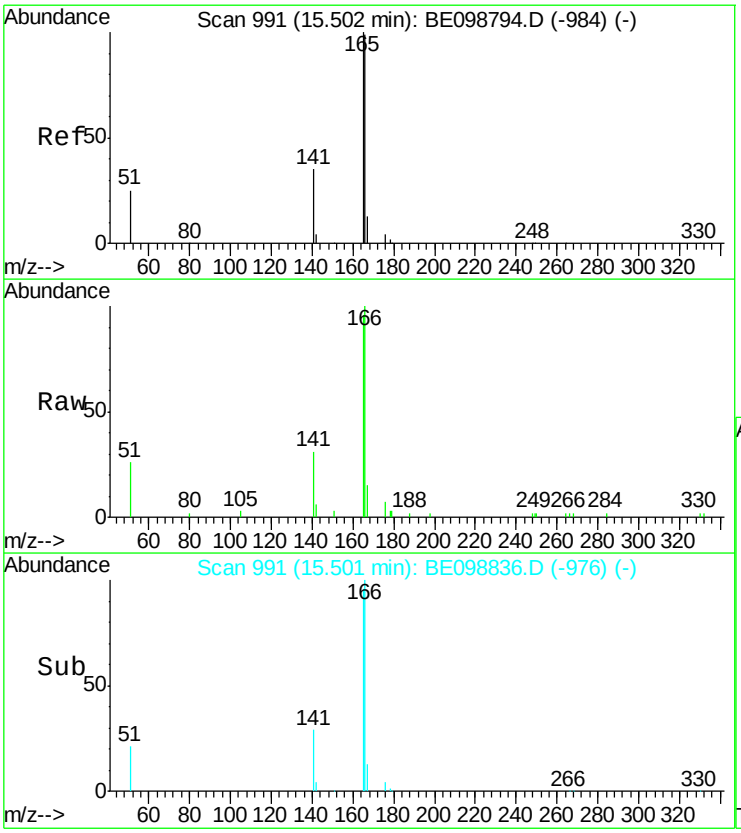
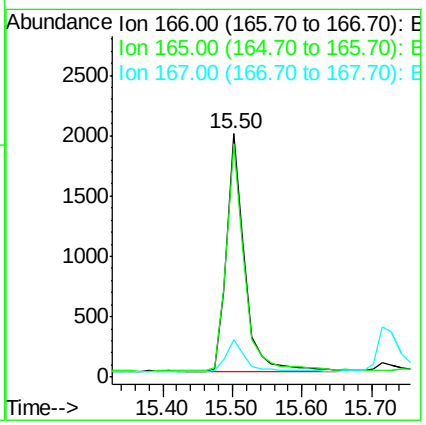
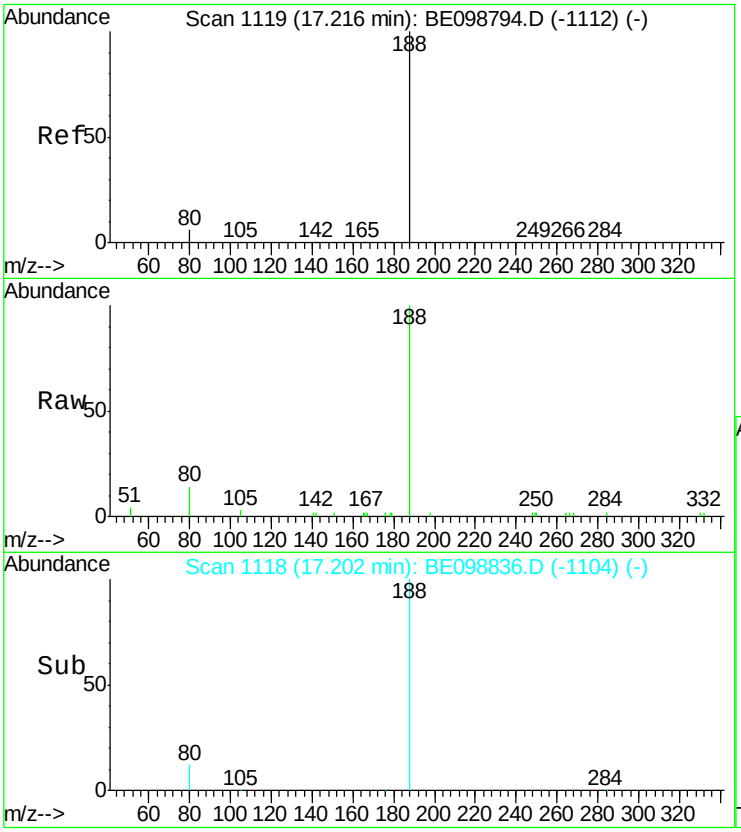


#18
Fluorene
Concen: 0.412 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:166 Resp: 3530

Ion	Ratio	Lower	Upper
166	100		
165	95.7	79.3	118.9
167	13.9	10.5	15.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:188 Resp: 5285

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.2	6.3	9.5#

Instrument :
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ClientSampleId :
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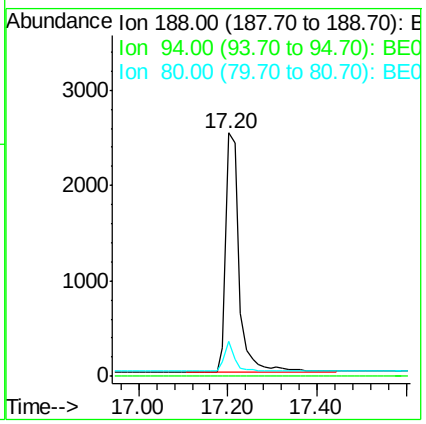
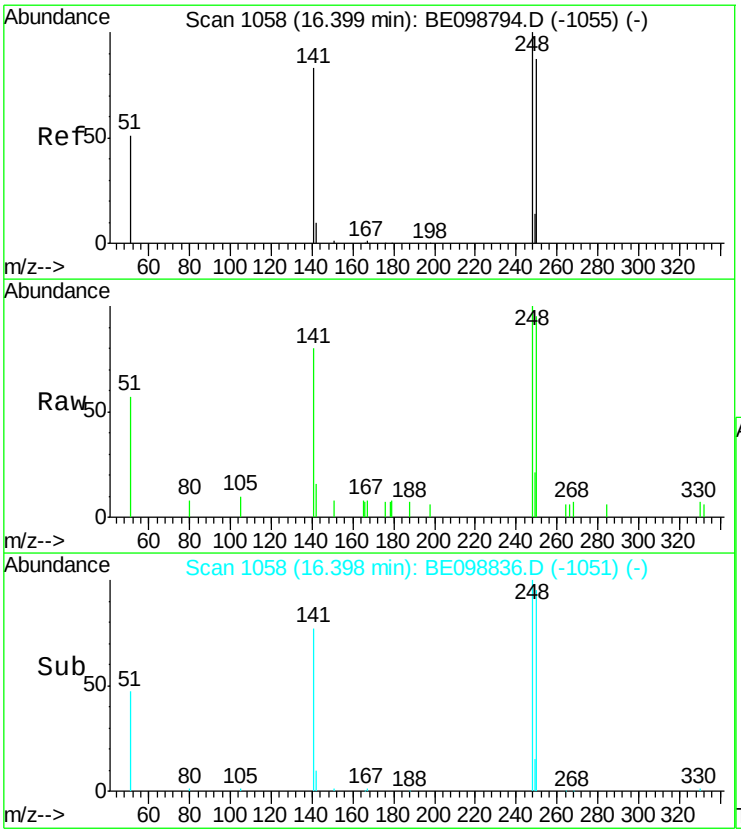
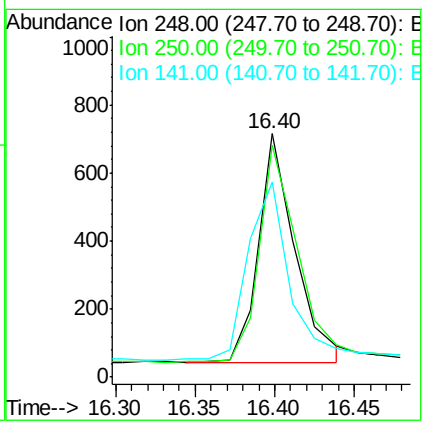


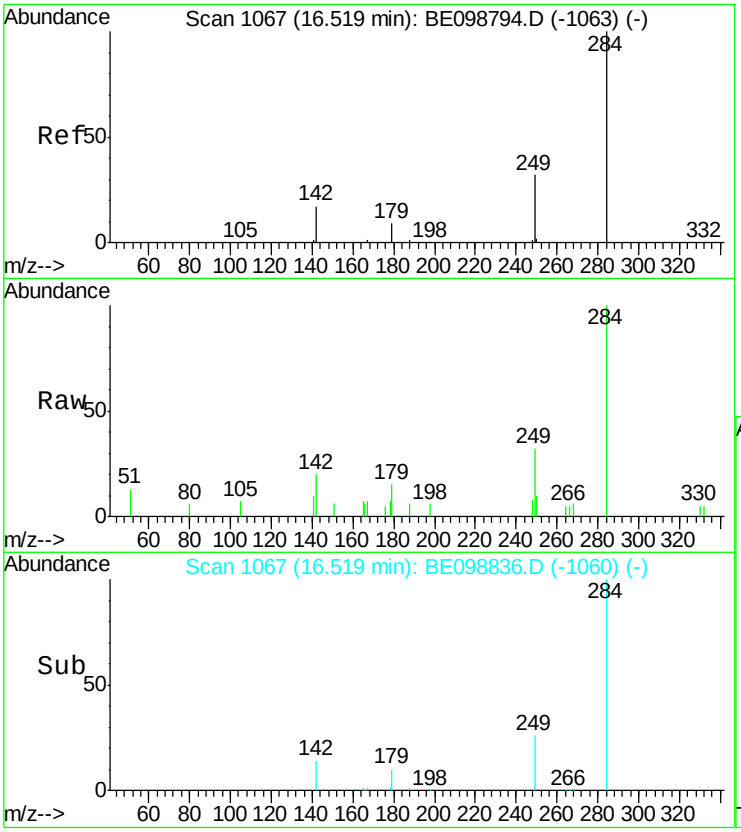


#20
4-Bromophenyl-phenylether
Concen: 0.377 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:248 Resp: 1079

Ion	Ratio	Lower	Upper
248	100		
250	95.4	70.6	105.8
141	80.0	68.6	102.8





#21
Hexachlorobenzene
Concen: 0.383 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:284 Resp: 1306

Ion	Ratio	Lower	Upper
284	100		
142	33.5	28.7	43.1
249	33.2	29.6	44.4

Instrument :
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ClientSampleId :
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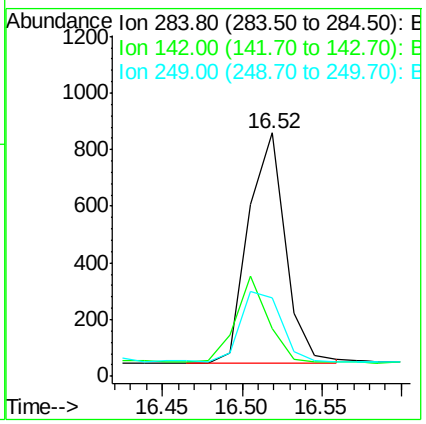
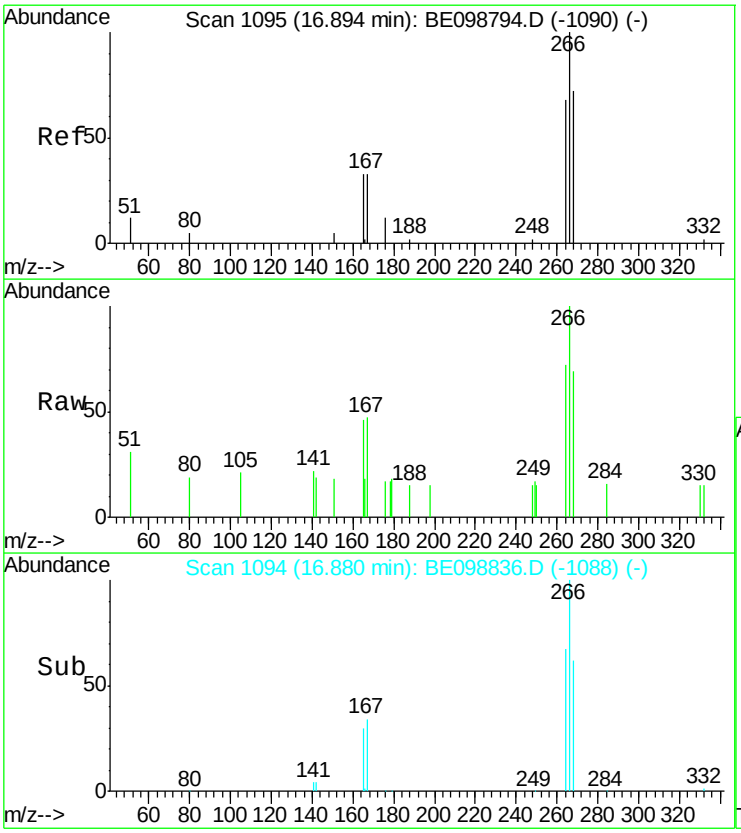
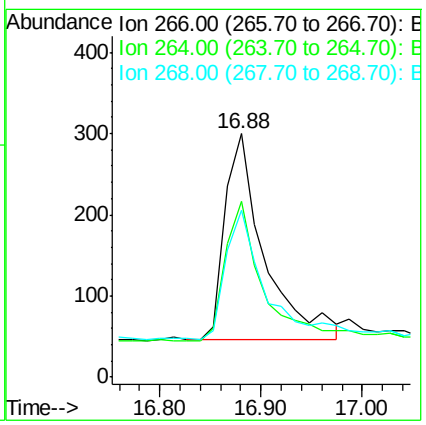


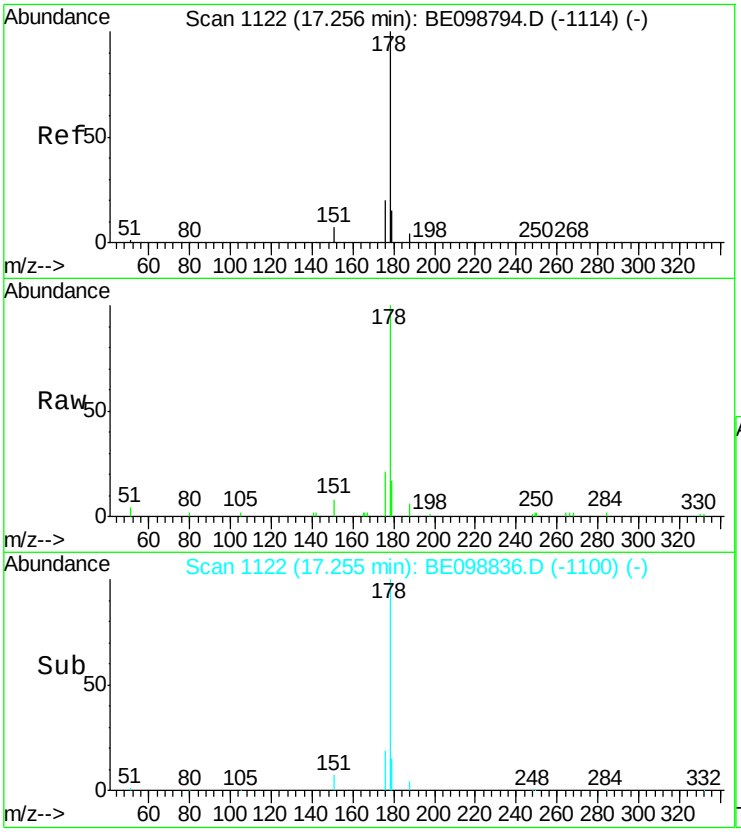


#22
Pentachlorophenol
Concen: 0.847 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:266 Resp: 675

Ion	Ratio	Lower	Upper
266	100		
264	72.0	66.6	100.0
268	68.7	69.8	104.8#

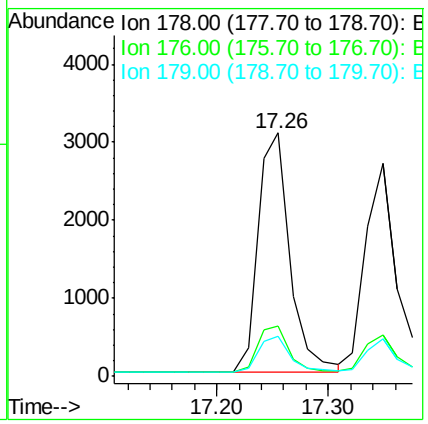




#23
Phenanthrene
Concen: 0.411 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:178 Resp: 6169

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.4	12.1	18.1



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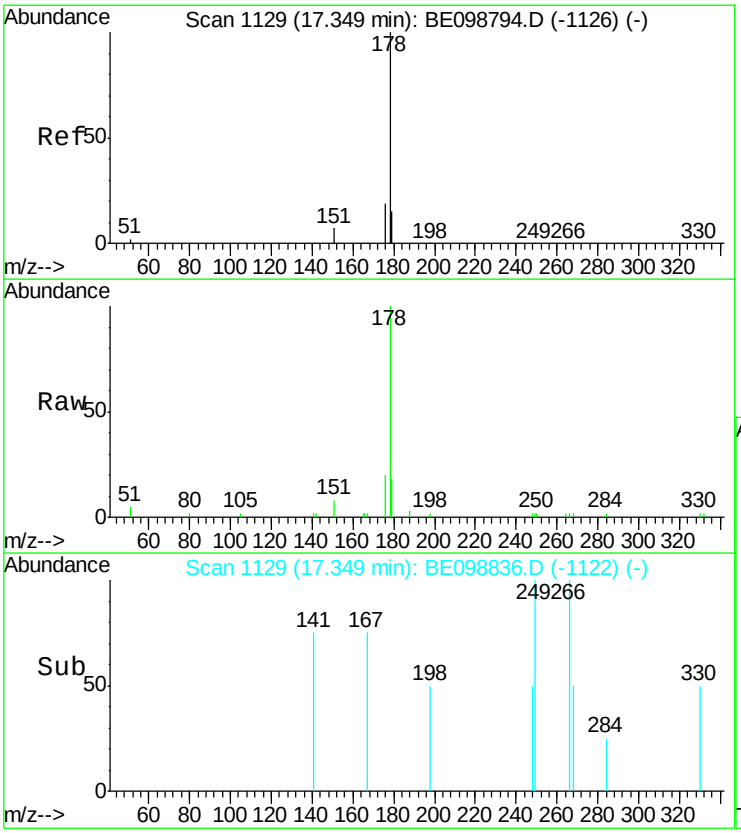
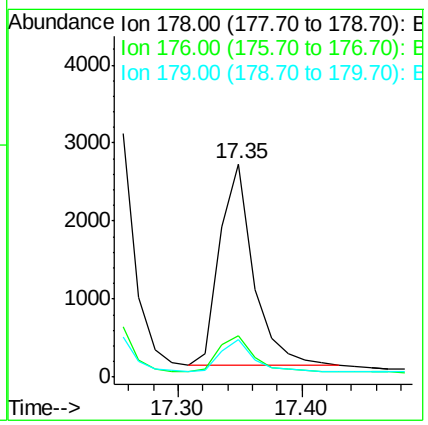
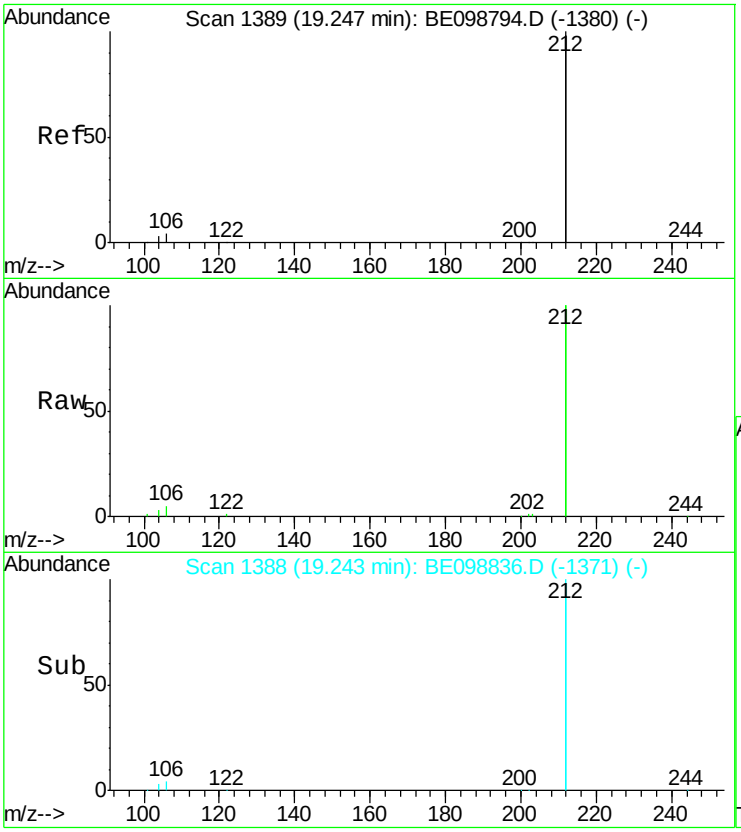


#24
Anthracene
Concen: 0.380 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:178 Resp: 4882

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.8	12.2	18.4





#25
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:212 Resp: 30572

Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.4	1.0	1.6

Instrument :
BNA_E
ClientSampleId :
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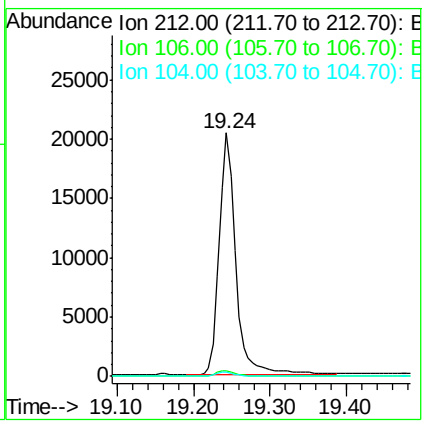
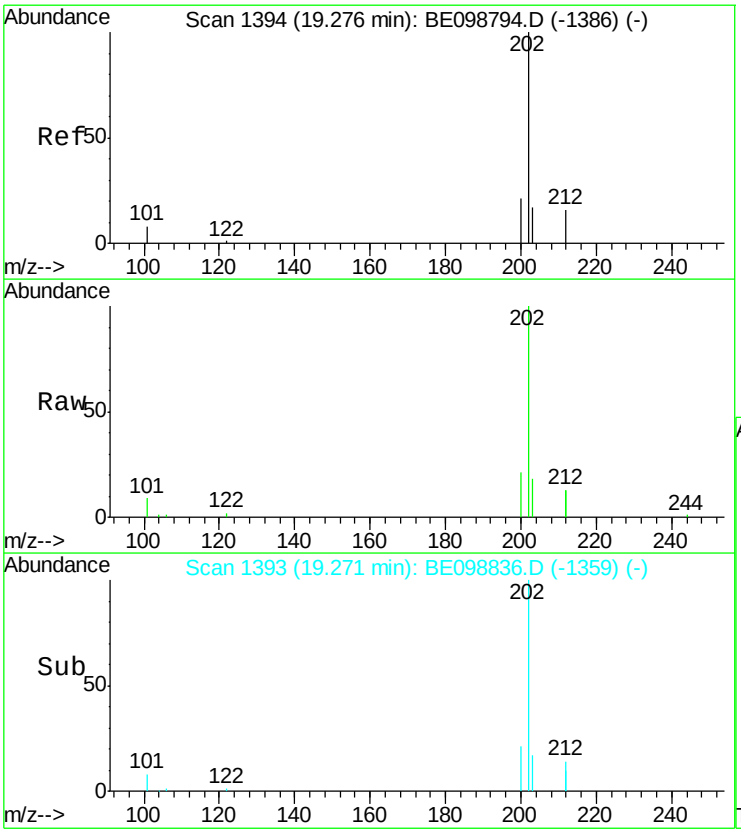
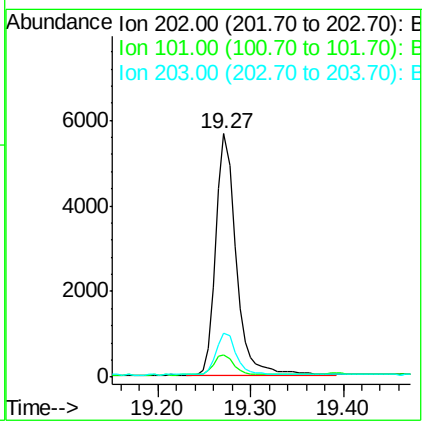


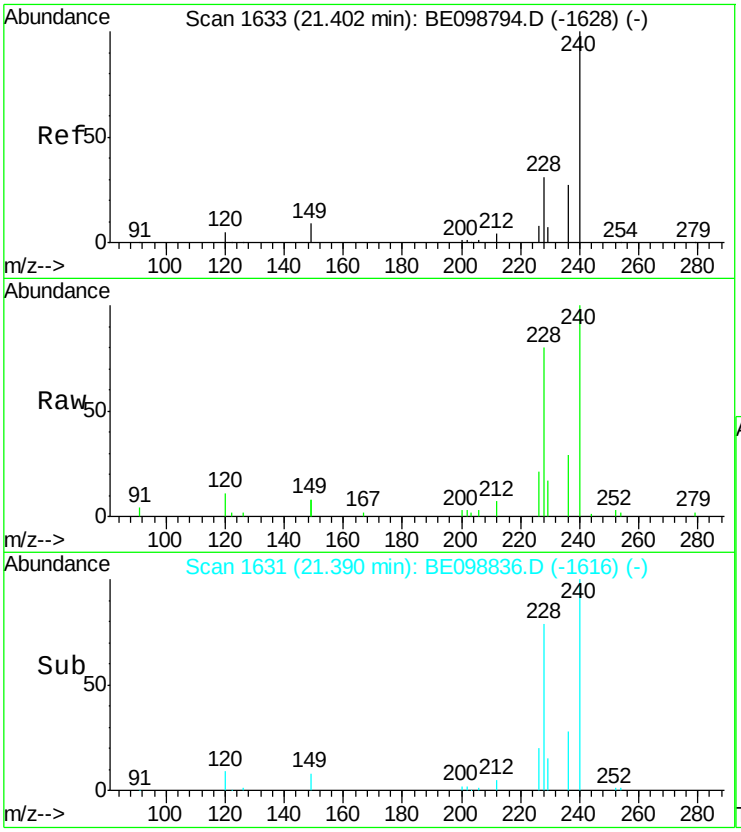


#26
Fluoranthene
Concen: 0.405 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:202 Resp: 8579

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.3	10.9
203	17.2	13.4	20.2

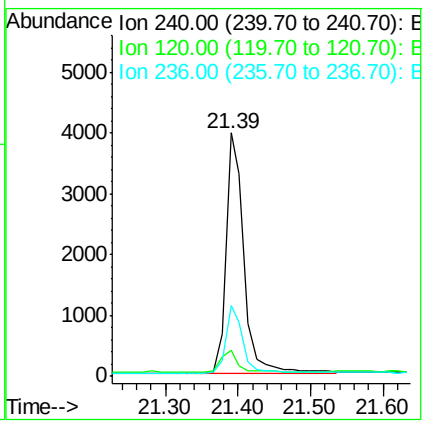




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:240 Resp: 6885

Ion	Ratio	Lower	Upper
240	100		
120	10.7	5.0	7.4#
236	28.9	22.7	34.1



Instrument :
BNA_E
ClientSampleId :
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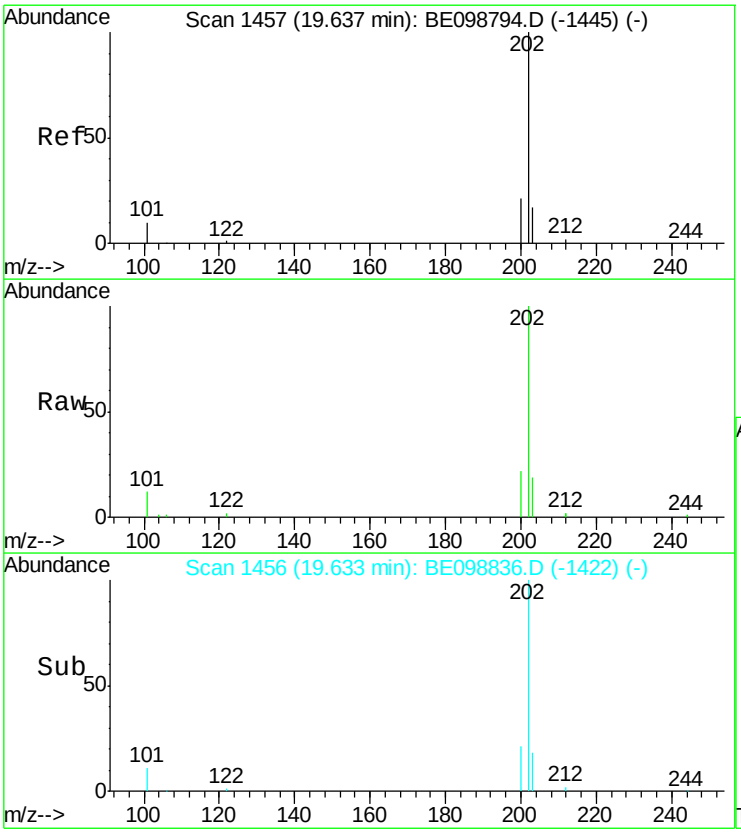
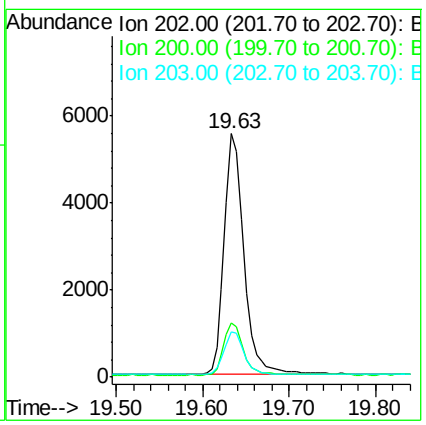
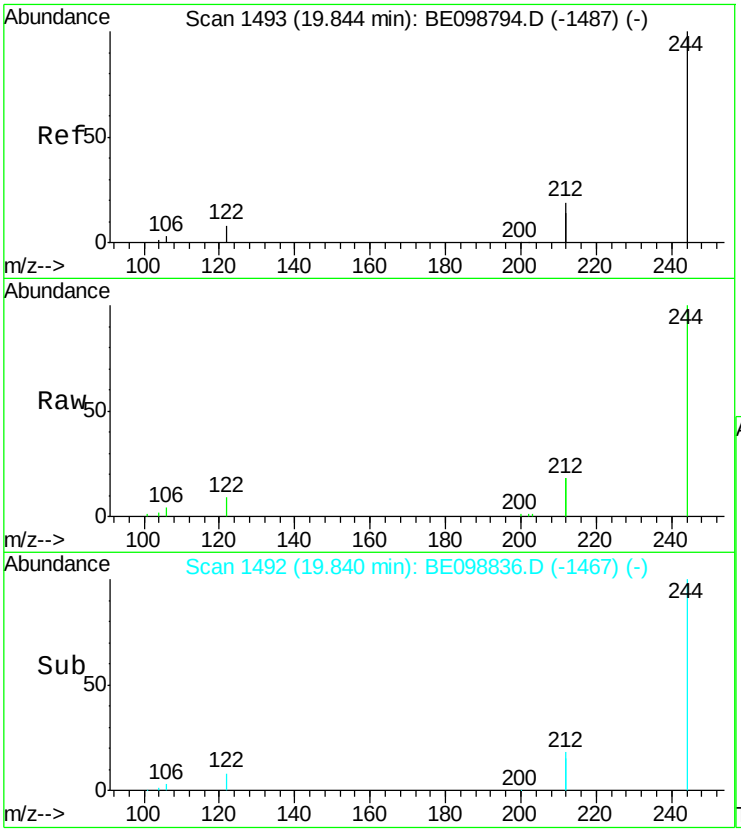


#28
Pyrene
Concen: 0.418 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:202 Resp: 8810

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	18.4	14.2	21.2

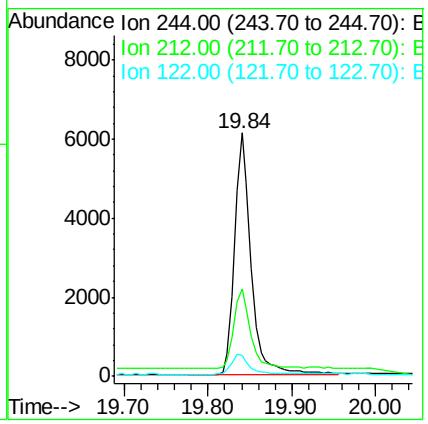




#29
Terphenyl-d14
Concen: 0.503 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:244 Resp: 8412

Ion	Ratio	Lower	Upper
244	100		
212	36.0	29.4	44.2
122	8.8	7.1	10.7



Instrument :
BNA_E
ClientSampleId :
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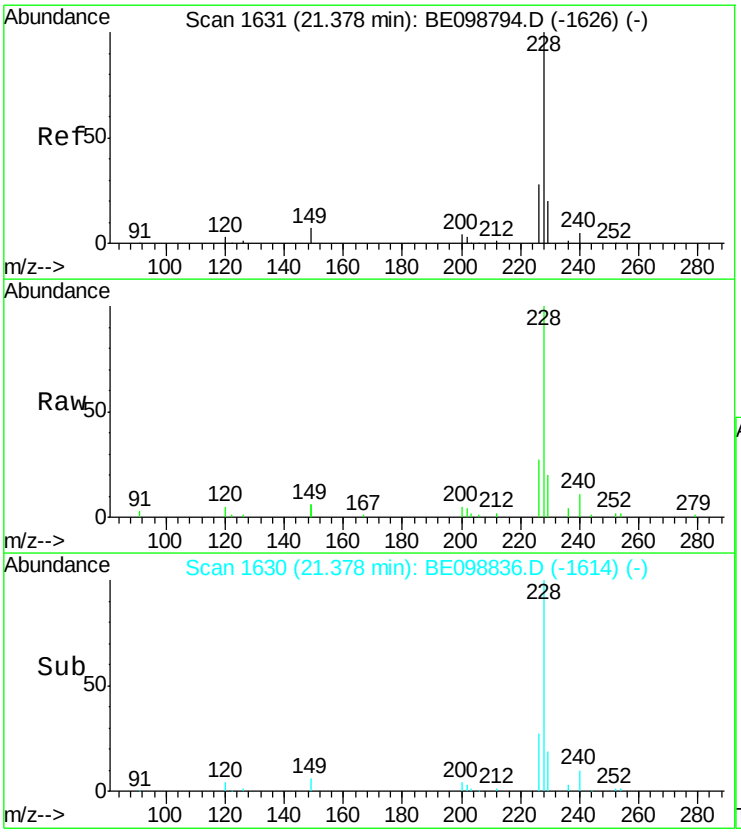
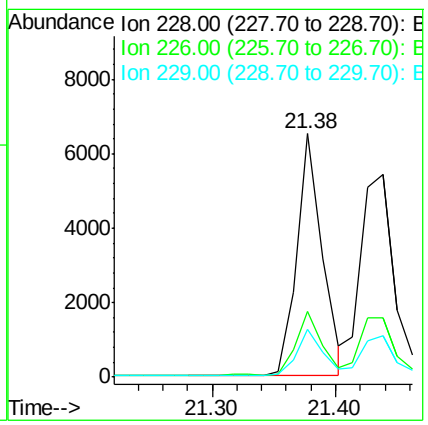
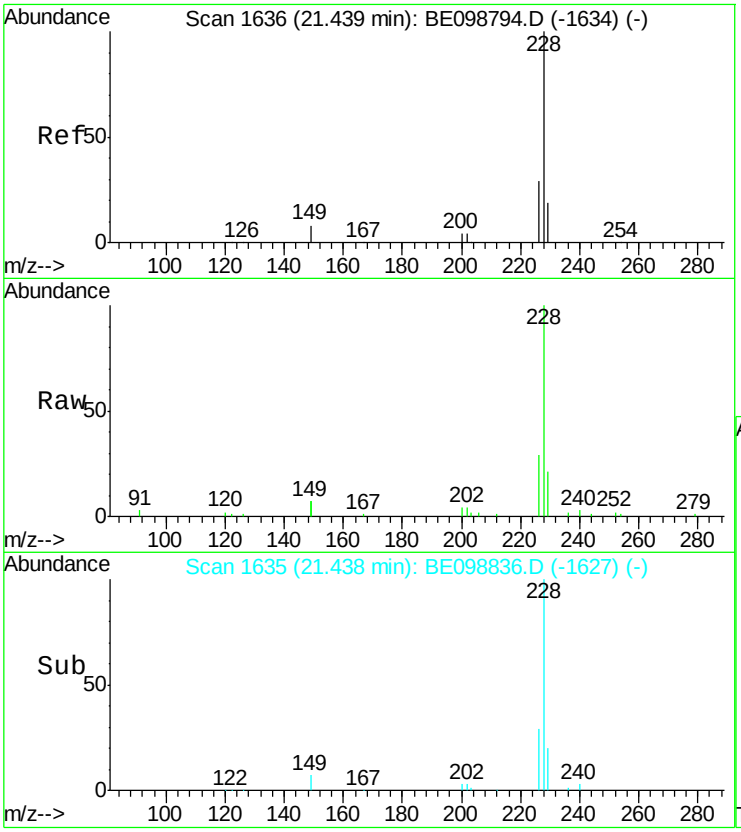


#30
Benzo(a)anthracene
Concen: 0.431 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:228 Resp: 9265

Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.0	34.4
229	19.9	16.5	24.7

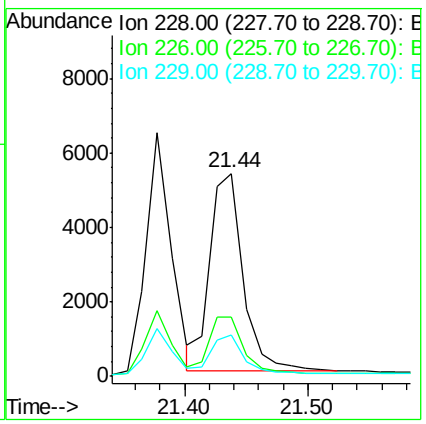




#31
Chrysene
Concen: 0.431 ng
RT: 21.44 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:228 Resp: 9909

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	20.6	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

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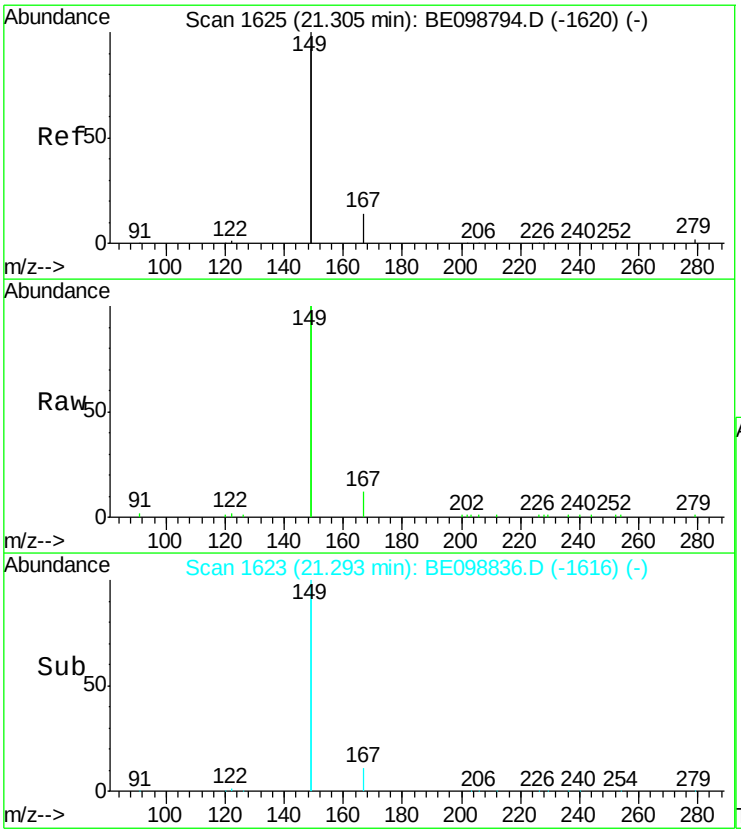
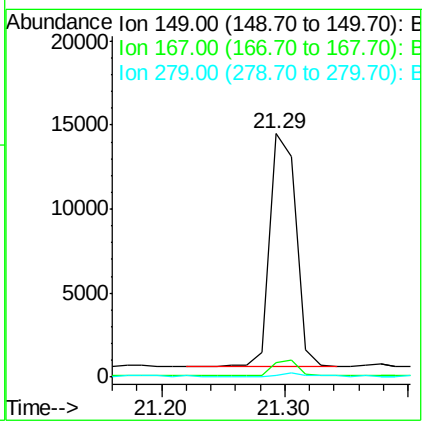
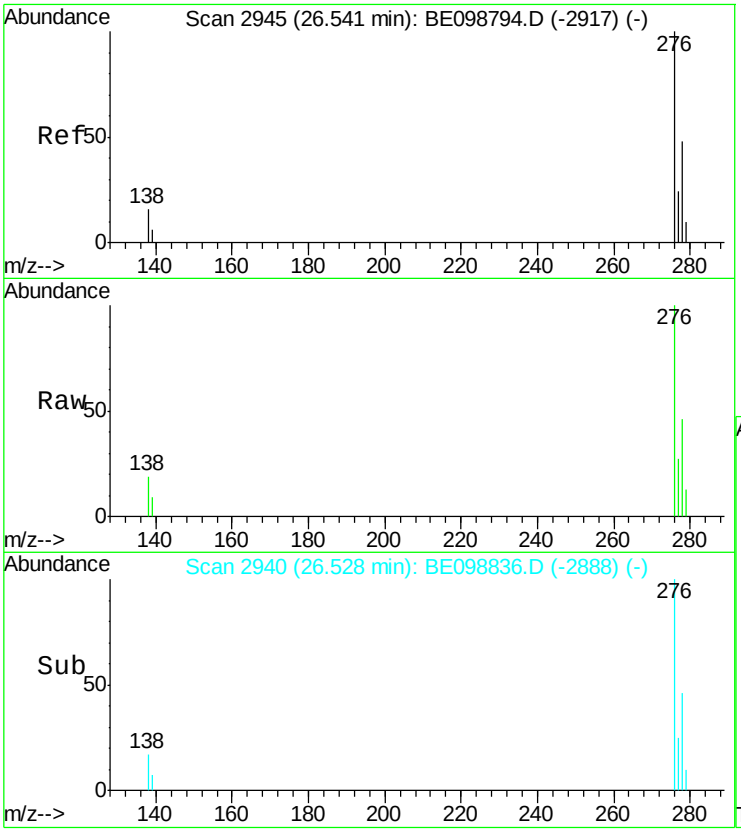


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.452 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:149 Resp: 20684

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.2	1.0	1.4

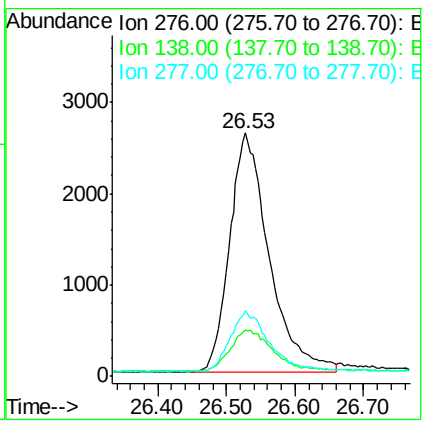




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.430 ng
RT: 26.53 min Scan# 2940
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:276 Resp: 10436

Ion	Ratio	Lower	Upper
276	100		
138	18.2	13.8	20.8
277	25.2	19.5	29.3



Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

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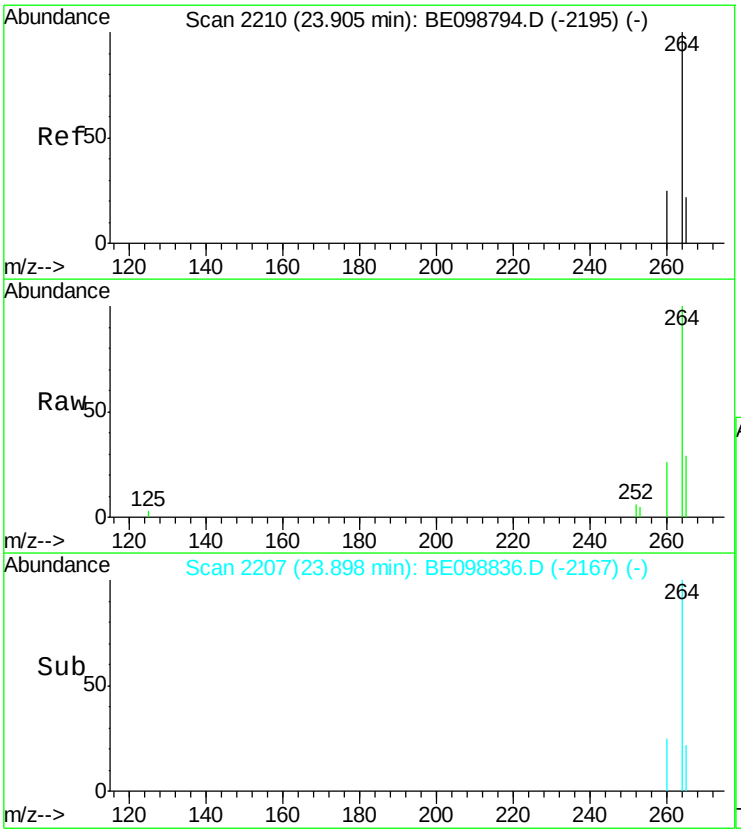
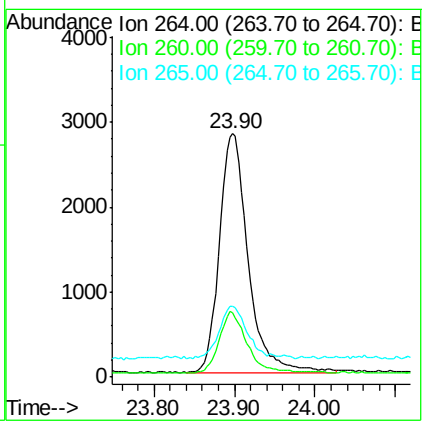
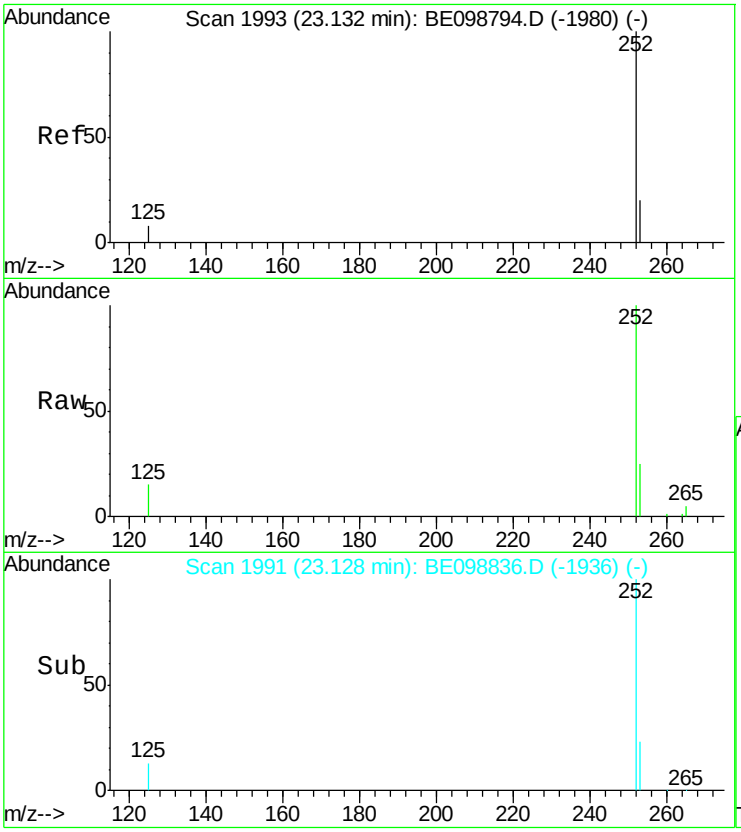


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:264 Resp: 6965

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.2	31.8
265	28.8	24.6	36.8





#35
Benzo(b)fluoranthene
Concen: 0.431 ng m
RT: 23.13 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:252 Resp: 9879

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.2	27.2
125	14.5	7.3	10.9#

Instrument :
BNA_E
ClientSampleId :
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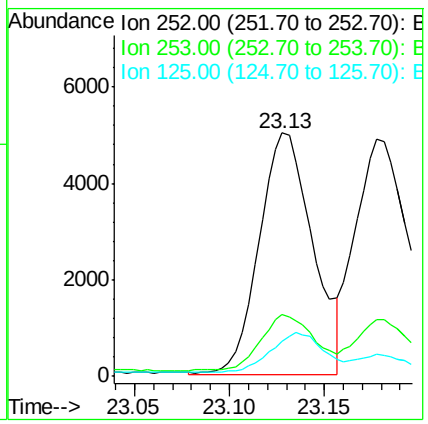
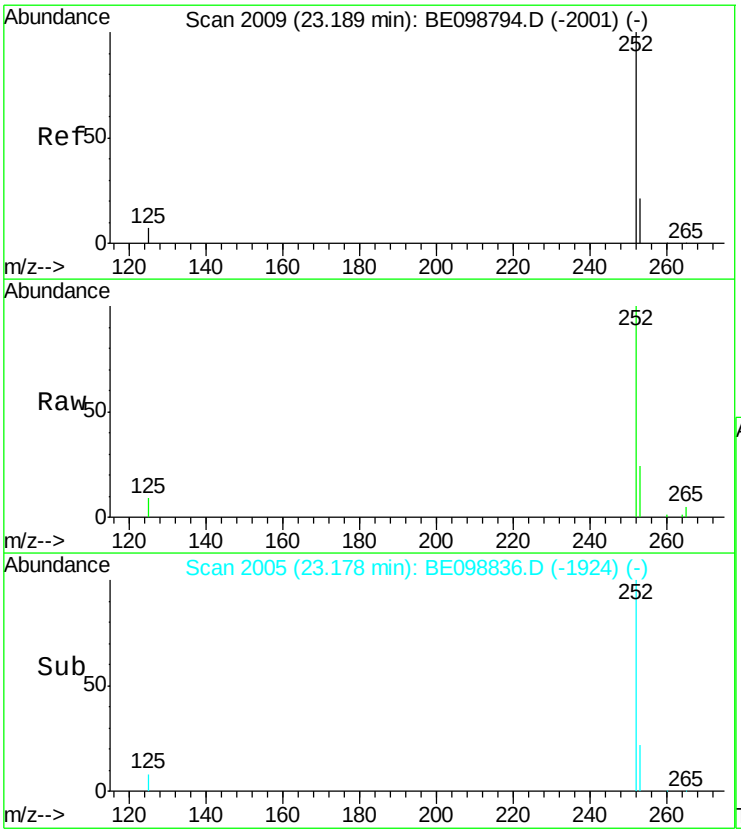
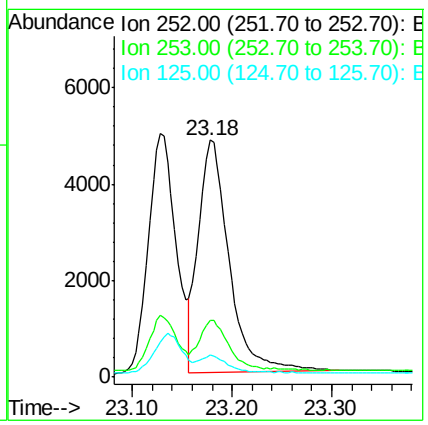


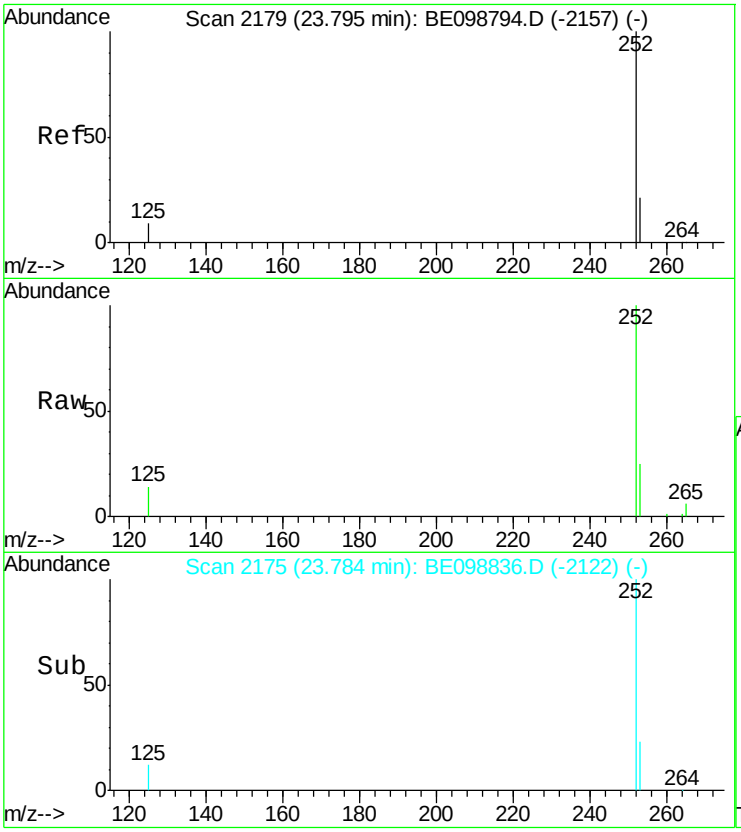


#36
Benzo(k)fluoranthene
Concen: 0.429 ng
RT: 23.18 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:252 Resp: 10275

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.3	28.9
125	9.4	7.5	11.3





#37
Benzo(a)pyrene
Concen: 0.425 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:252 Resp: 9331

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.9	29.9
125	14.2	9.0	13.4#

Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

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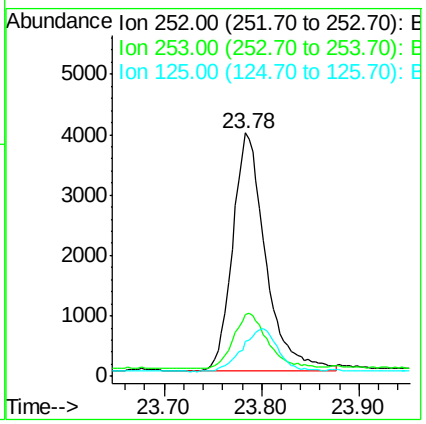
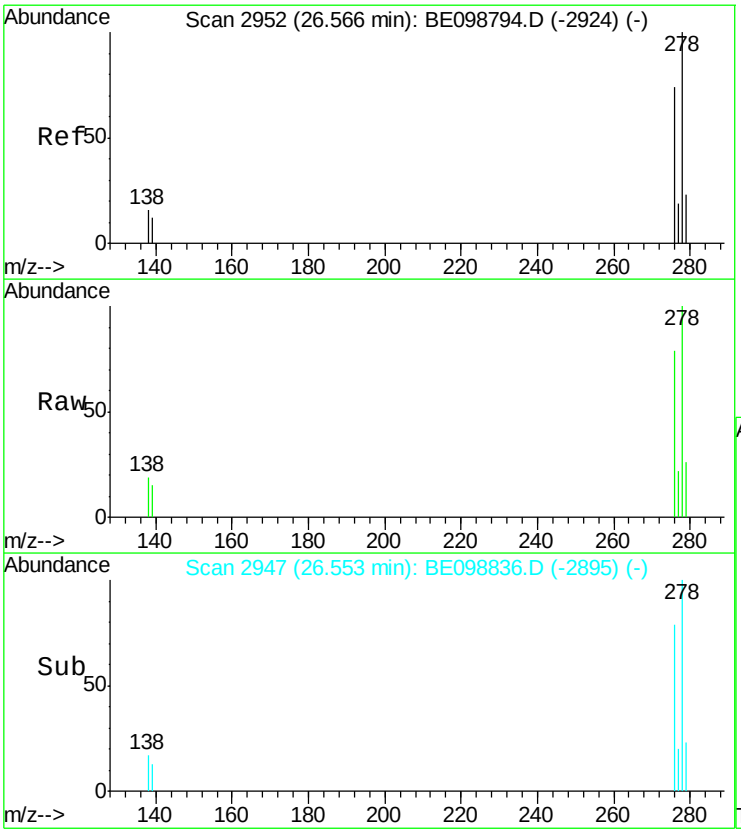
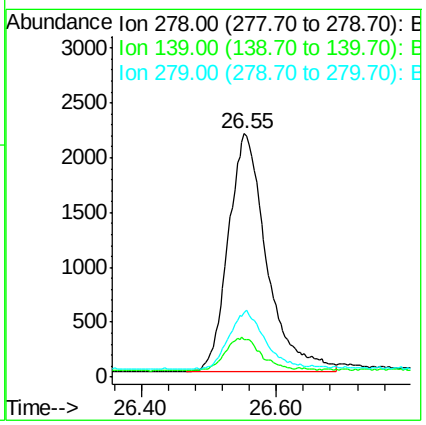


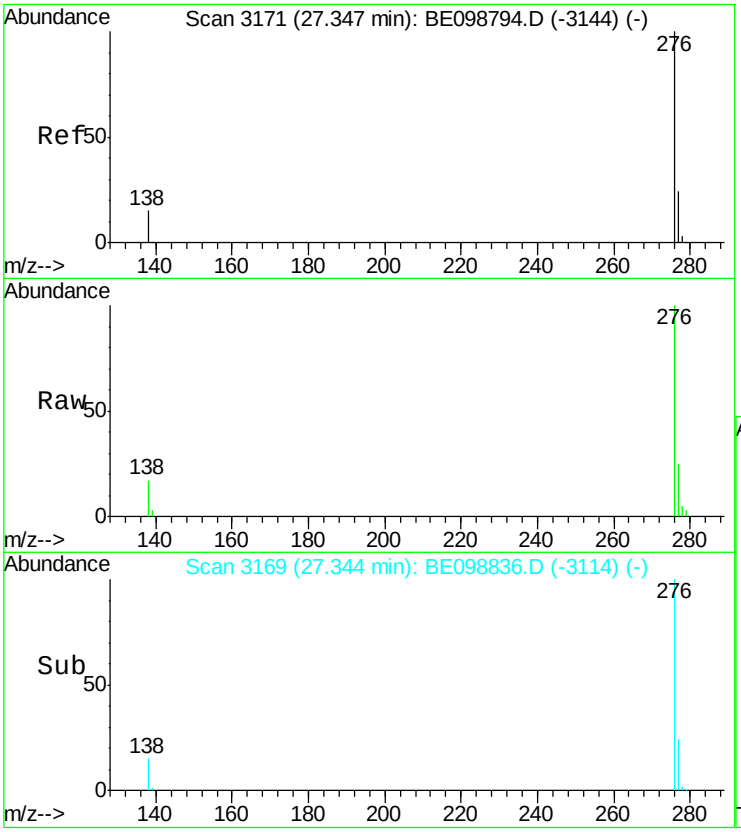


#38
Dibenzo(a,h)anthracene
Concen: 0.412 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:278 Resp: 8566

Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.8	17.6
279	26.3	21.1	31.7

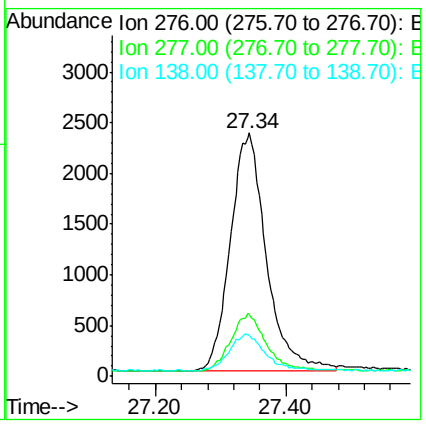




#39
Benzo(g,h,i)perylene
Concen: 0.413 ng
RT: 27.34 min Scan# 3169
Delta R.T. -0.00 min
Lab File: BE098836.D
Acq: 8 Mar 2019 16:10

Tgt Ion:276 Resp: 8969

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.4	30.6
138	17.3	13.6	20.4



Instrument :
BNA_E
ClientSampleId :
RE123D1-20190306MSD

Manual Integrations APPROVED
Sohil
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