Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\
Data File : BE098511.D
Acq On : 18 Dec 2018 11:25
Operator : SJ/JU
Sample : J6405-06MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

Manual Integrations APPROVED
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Quant Time: Dec 18 12:40:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	880	0.40	ng		-0.01
7) Naphthalene-d8	10.65	136	4258	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	2988	0.40	ng		-0.02
19) Phenanthrene-d10	17.26	188	7291	0.40	ng		-0.02
27) Chrysene-d12	21.45	240	8538	0.40	ng		-0.01
34) Perylene-d12	23.99	264	7914	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	432	0.21	ng		0.00
5) Phenol-d6	7.05	99	391	0.13	ng		0.00
8) Nitrobenzene-d5	9.02	82	1238	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	12.25	152	3214m	0.46	ng		-0.02
14) 2,4,6-Tribromophenol	16.01	330	473	0.43	ng		-0.01
15) 2-Fluorobiphenyl	13.13	172	5146	0.41	ng		-0.02
25) Fluoranthene-d10	19.29	212	41395	0.44	ng		-0.02
29) Terphenyl-d14	19.89	244	8900	0.43	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.36	88	6118	4.020	ng		95
3) n-Nitrosodimethylamine	3.68	42	309	0.226	ng	#	100
6) bis(2-Chloroethyl)ether	7.28	93	1084	0.391	ng		92
9) Naphthalene	10.69	128	19062	0.445	ng		99
10) Hexachlorobutadiene	10.98	225	1019	0.374	ng		98
12) 2-Methylnaphthalene	12.32	142	3444	0.495	ng		98
16) Acenaphthylene	14.24	152	5435	0.388	ng		99
17) Acenaphthene	14.57	154	3499	0.416	ng		97
18) Fluorene	15.56	166	4981	0.443	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	1632	0.416	ng		89
21) Hexachlorobenzene	16.57	284	1803	0.427	ng		97
22) Pentachlorophenol	16.93	266	710	0.895	ng		92
23) Phenanthrene	17.30	178	8334	0.470	ng		99
24) Anthracene	17.40	178	7032	0.445	ng		99
26) Fluoranthene	19.33	202	10657	0.455	ng		99
28) Pyrene	19.69	202	10777	0.402	ng		99
30) Benzo(a)anthracene	21.44	228	10785	0.444	ng		99
31) Chrysene	21.49	228	11051	0.434	ng		98
32) Bis(2-ethylhexyl)phthalate	21.35	149	19289	0.391	ng		99
33) Indeno(1,2,3-cd)pyrene	26.67	276	9927	0.392	ng	#	71
35) Benzo(b)fluoranthene	23.21	252	10312	0.476	ng		98
36) Benzo(k)fluoranthene	23.26	252	11838	0.470	ng		98
37) Benzo(a)pyrene	23.87	252	10573	0.473	ng		96
38) Dibenzo(a,h)anthracene	26.69	278	8704	0.414	ng		98
39) Benzo(g,h,i)perylene	27.49	276	8350	0.394	ng		98

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\
Data File : BE098511.D
Acq On : 18 Dec 2018 11:25
Operator : SJ/JU
Sample : J6405-06MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 18 12:40:20 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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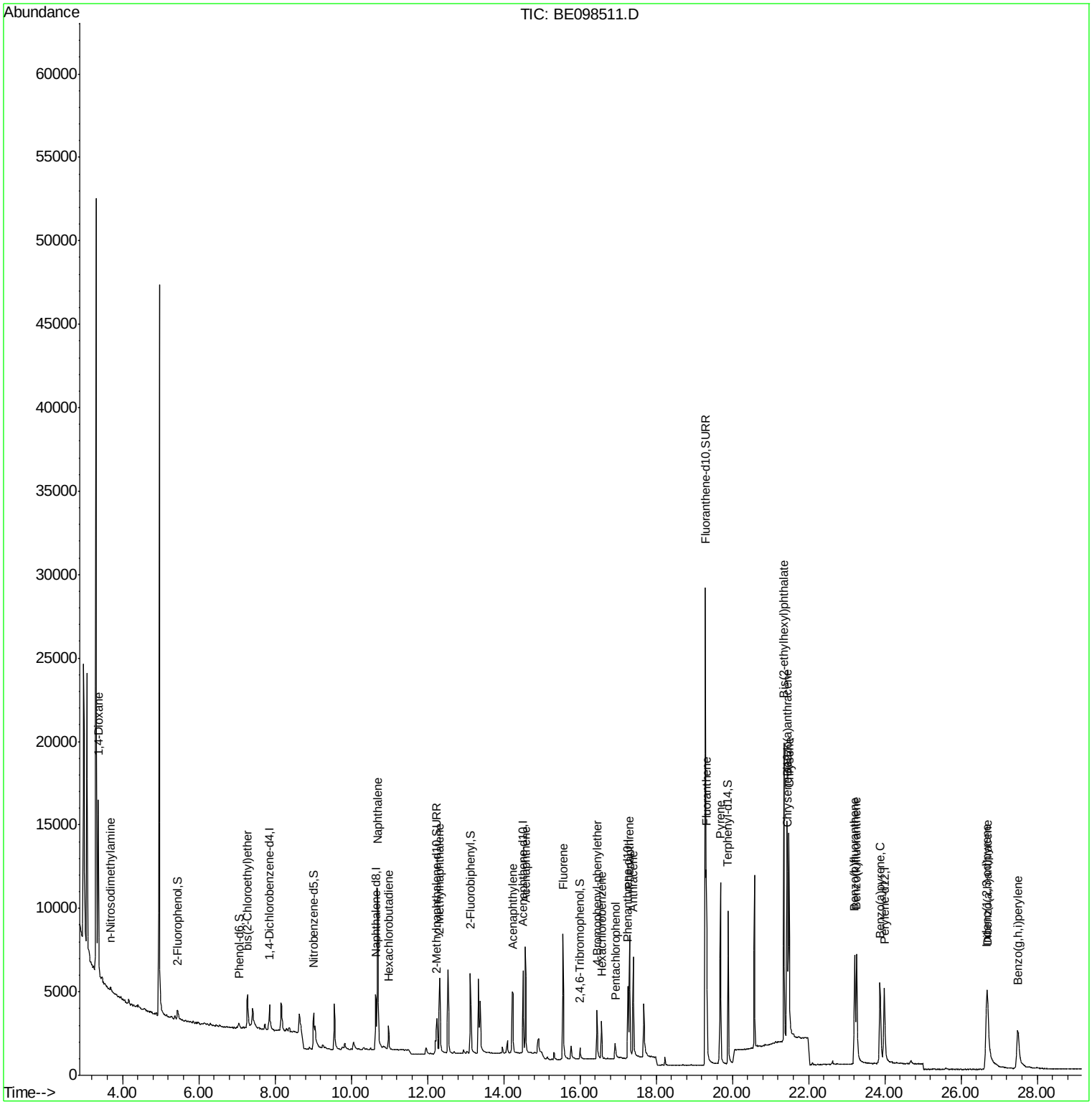
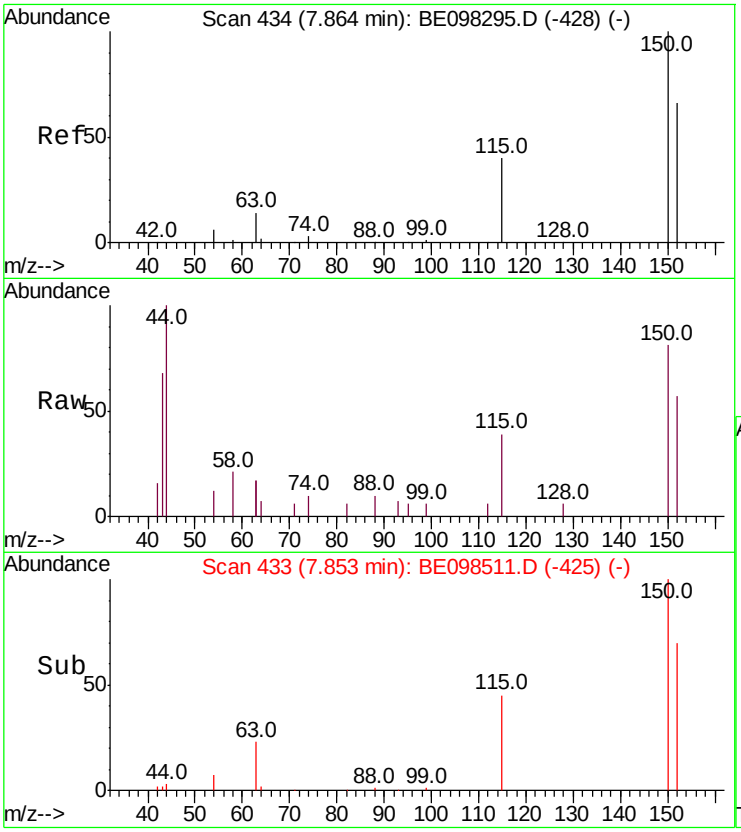
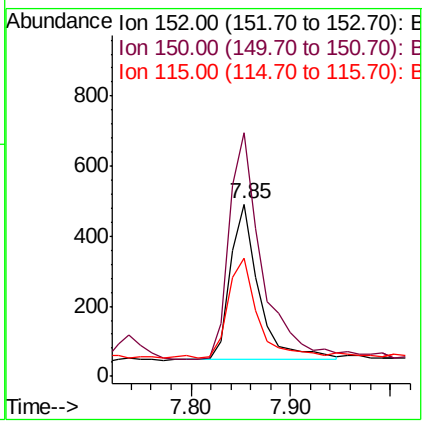




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:152 Resp: 880

Ion	Ratio	Lower	Upper
152	100		
150	141.5	124.2	186.4
115	68.6	53.9	80.9



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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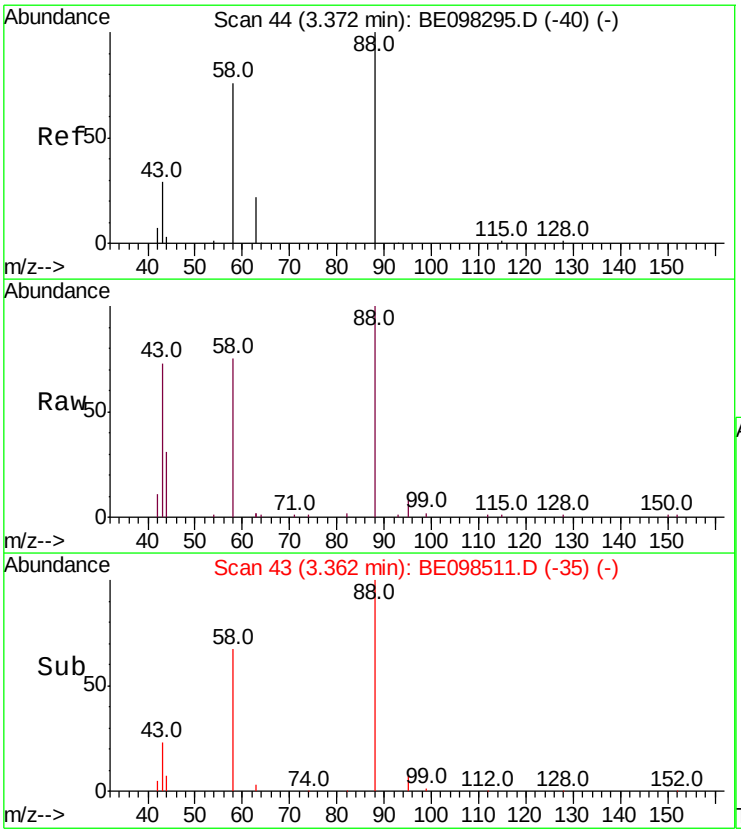
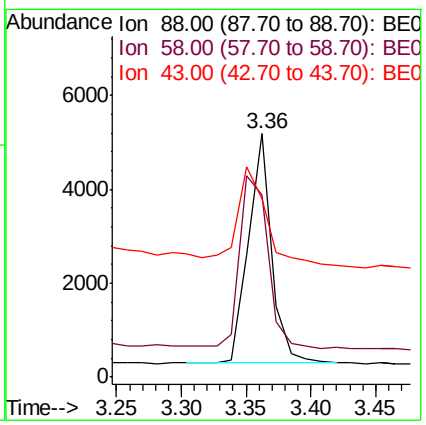
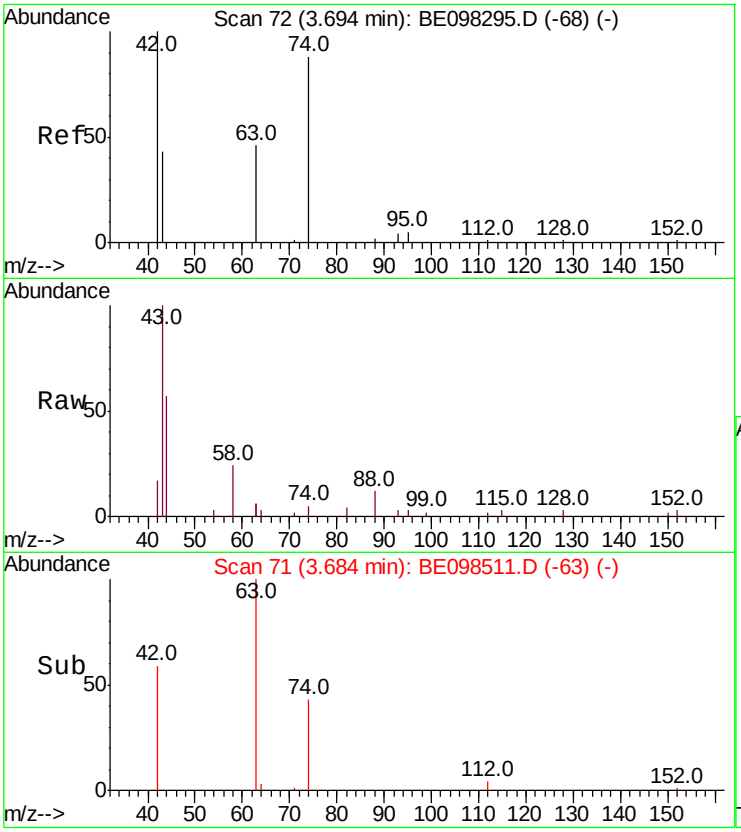


#2
1,4-Dioxane
Concen: 4.020 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion: 88 Resp: 6118

Ion	Ratio	Lower	Upper
88	100		
58	90.7	75.0	112.6
43	53.3	38.3	57.5

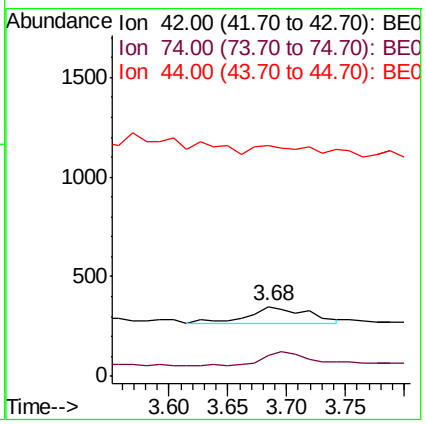




#3
n-Nitrosodimethylamine
Concen: 0.226 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion: 42 Resp: 309

Ion	Ratio	Lower	Upper
42	100		
74	54.7	0.0	0.0#
44	43.0	0.0	0.0#



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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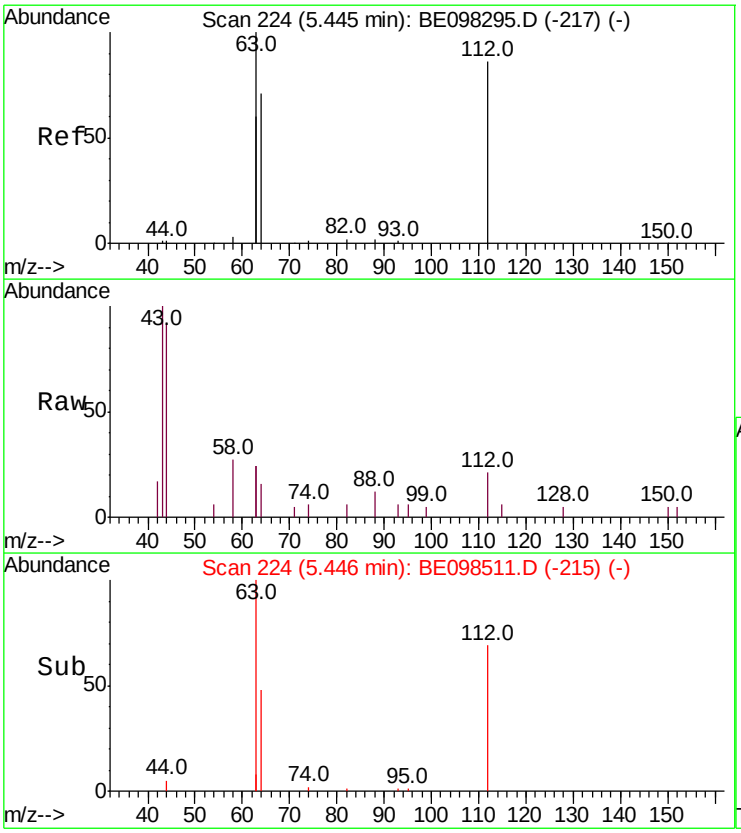
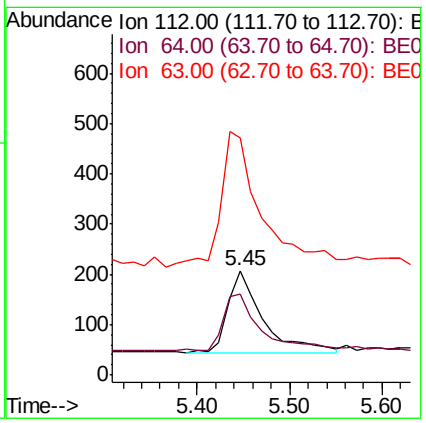
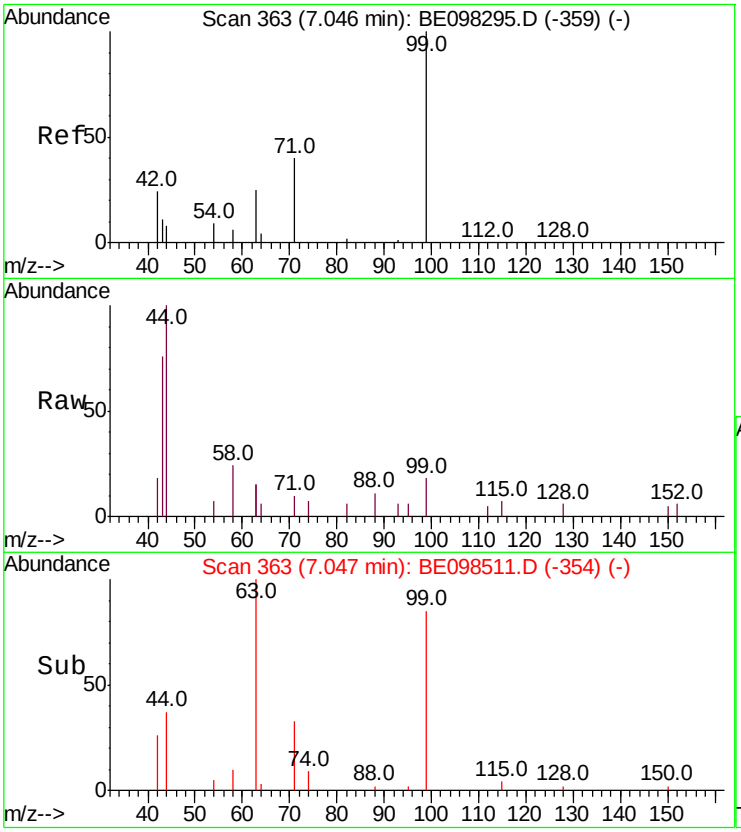


#4
2-Fluorophenol
Concen: 0.210 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:112 Resp: 432

Ion	Ratio	Lower	Upper
112	100		
64	72.5	59.8	89.8
63	194.4	133.7	200.5





#5
Phenol-d6
Concen: 0.134 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion: 99 Resp: 391

Ion	Ratio	Lower	Upper
99	100		
42	47.1	26.3	39.5#
71	39.6	33.6	50.4

Instrument :
BNA_E
ClientSampleId :
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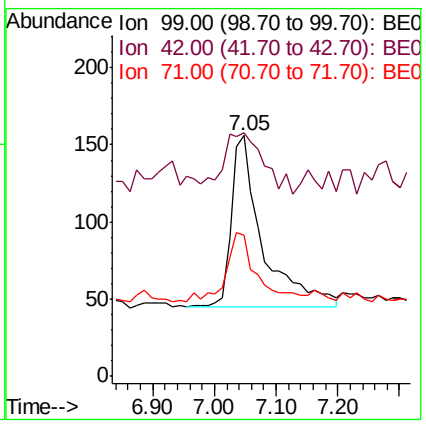
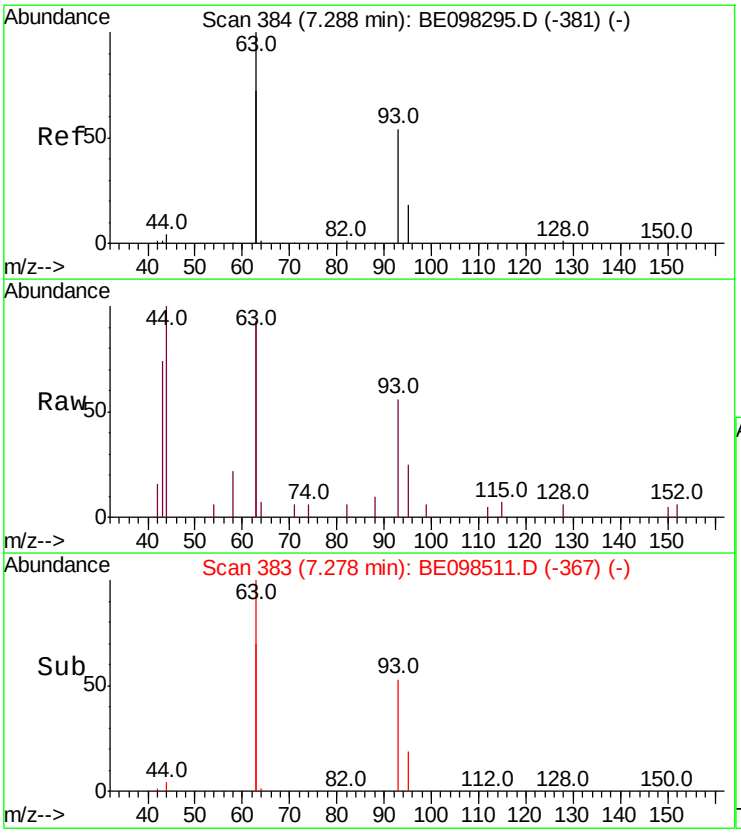
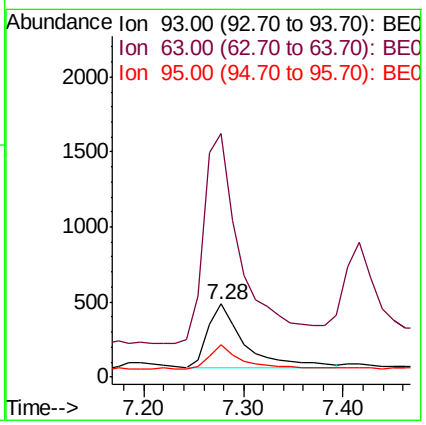


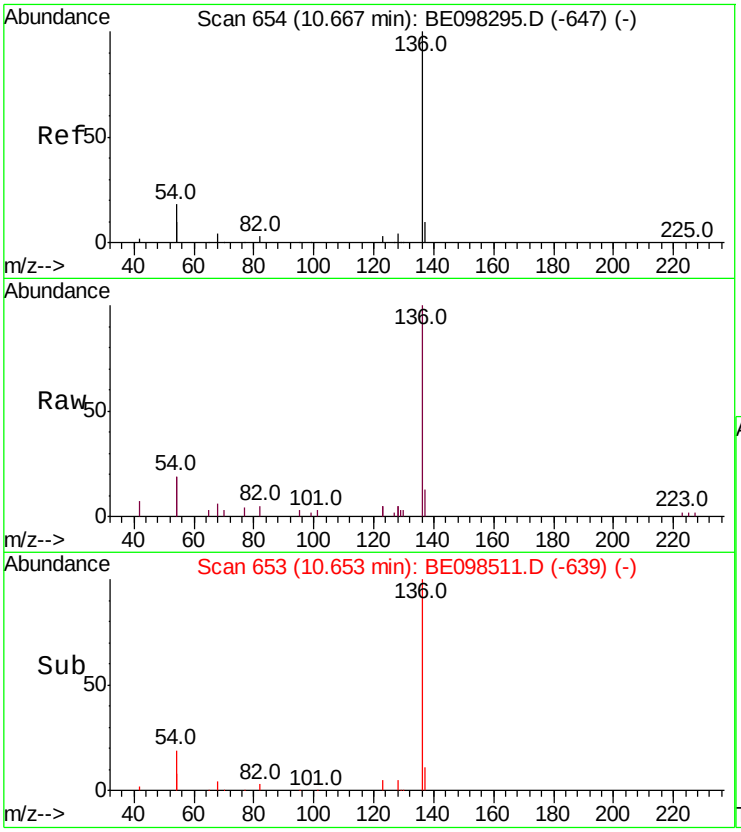


#6
bis(2-Chloroethyl)ether
Concen: 0.391 ng
RT: 7.28 min Scan# 383
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion: 93 Resp: 1084

Ion	Ratio	Lower	Upper
93	100		
63	347.0	264.4	396.6
95	36.5	26.6	40.0

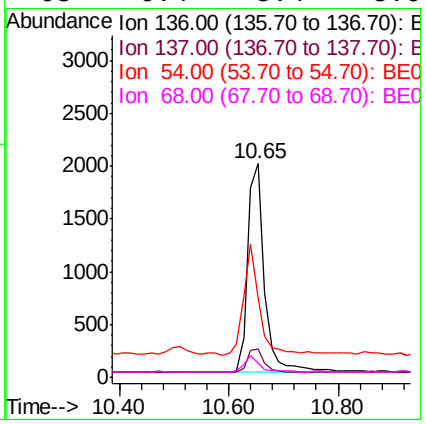




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:136 Resp: 4258

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.2	13.8
54	37.1	28.4	42.6
68	6.4	5.4	8.0



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ClientSampleId :
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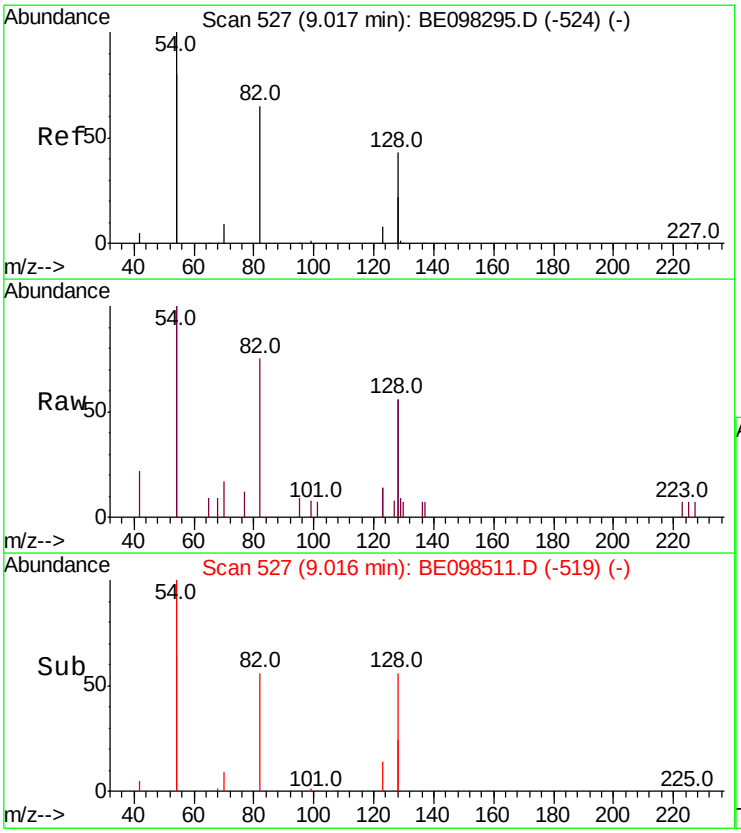
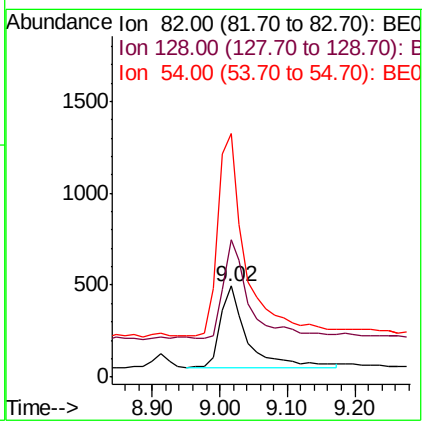
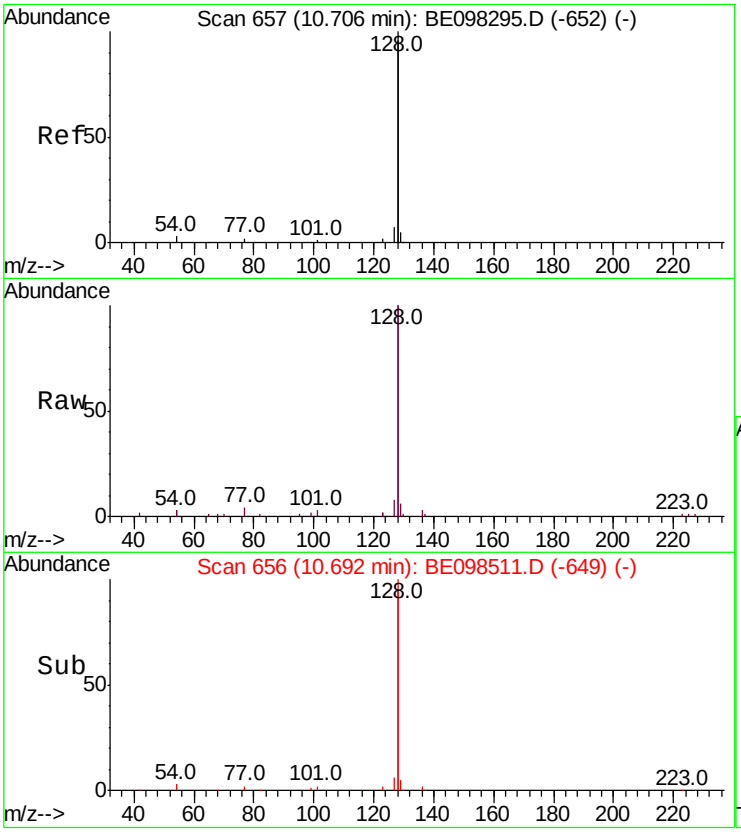


#8
Nitrobenzene-d5
Concen: 0.319 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion: 82 Resp: 1238

Ion	Ratio	Lower	Upper
82	100		
128	151.4	102.4	153.6
54	268.0	221.8	332.8

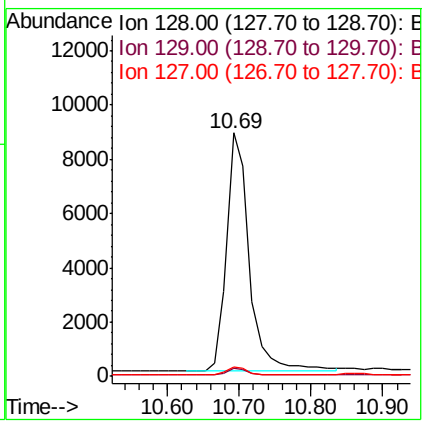




#9
Naphthalene
Concen: 0.445 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:128 Resp: 19062

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.5	3.7
127	3.8	2.7	4.1



Instrument :
BNA_E
ClientSampleId :
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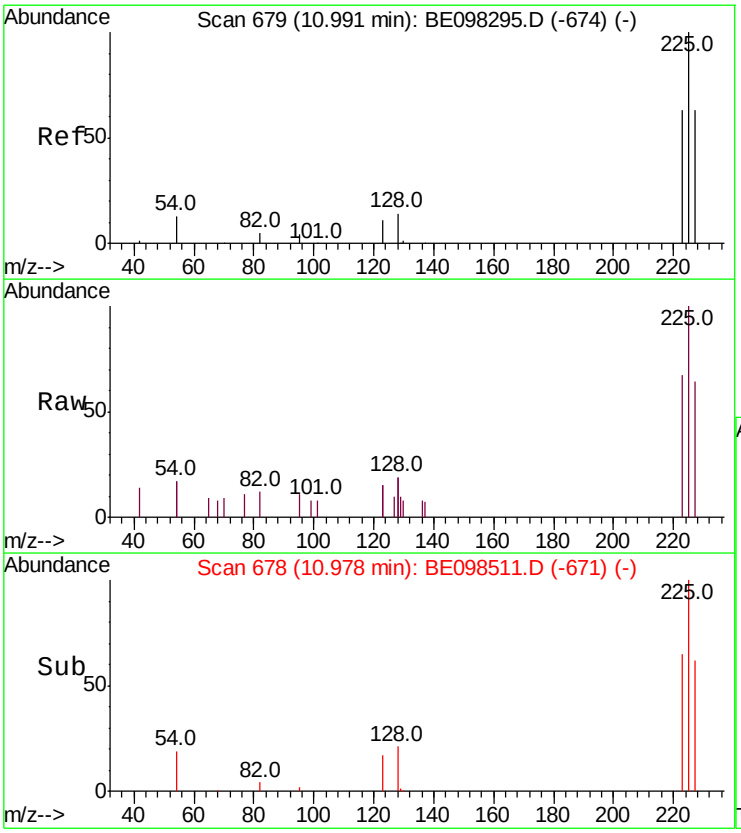
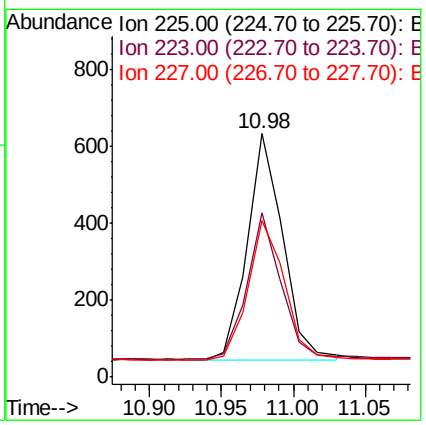
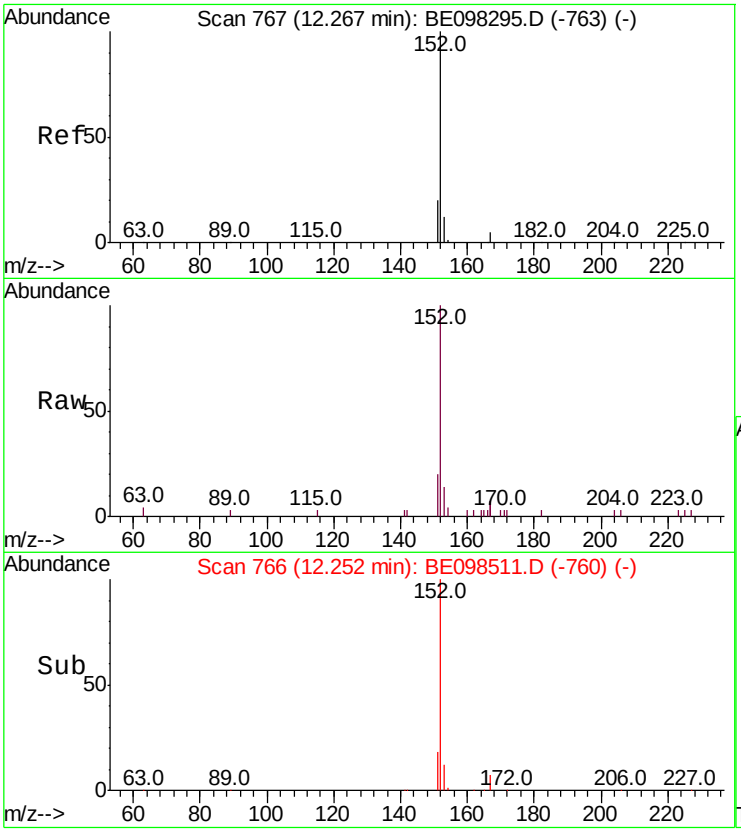


#10
Hexachlorobutadiene
Concen: 0.374 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:225 Resp: 1019

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.0
227	62.4	52.0	78.0

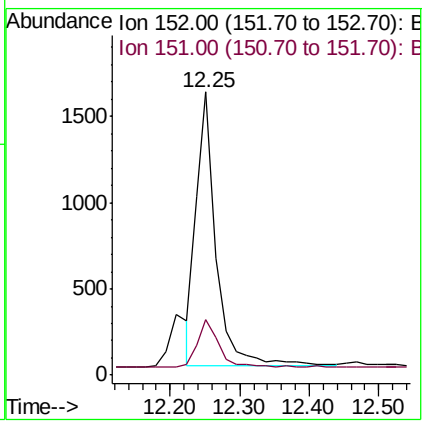




#11
2-Methylnaphthalene-d10
Concen: 0.464 ng m
RT: 12.25 min Scan# 766
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:152 Resp: 3214

Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.2	24.4



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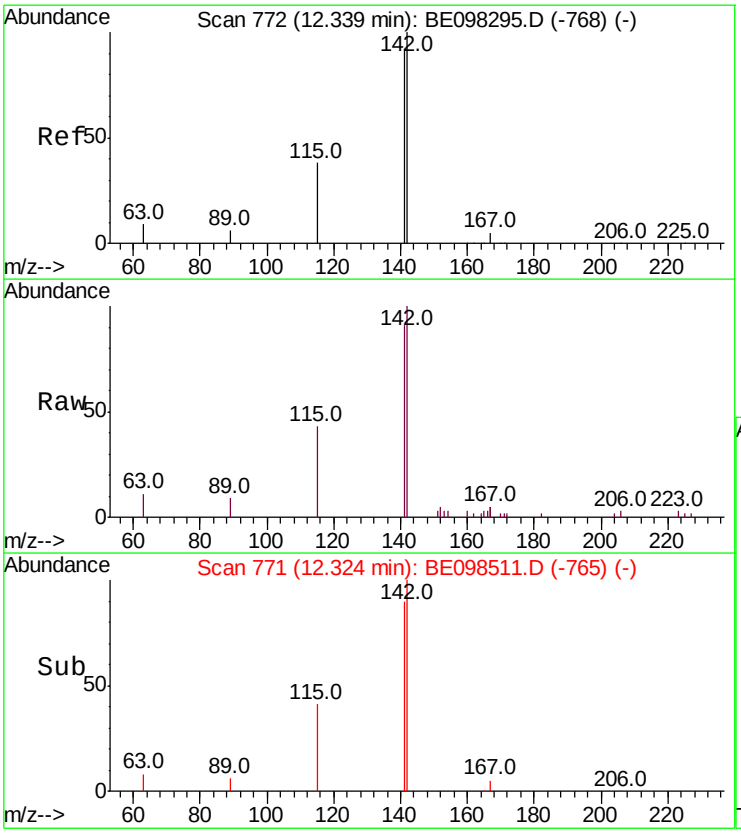
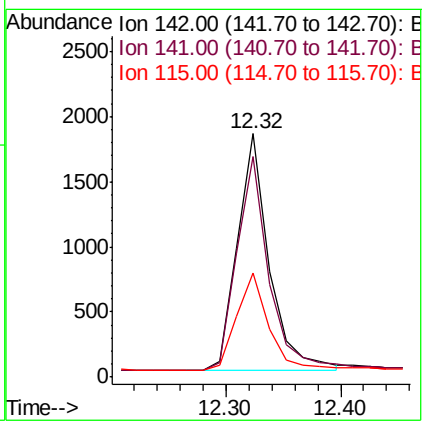
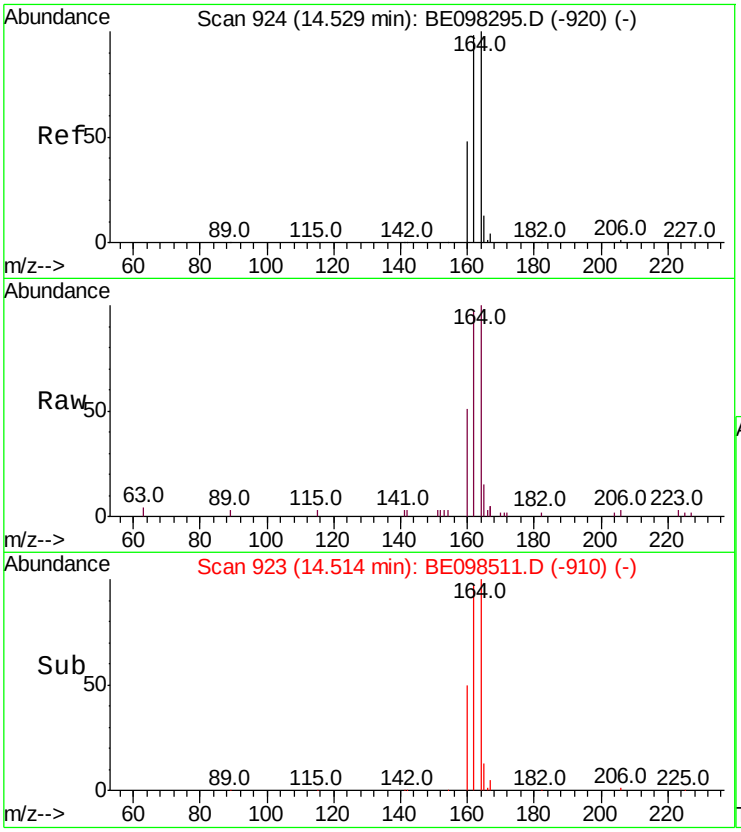


#12
2-Methylnaphthalene
Concen: 0.495 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:142 Resp: 3444

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.0	106.6
115	42.6	32.2	48.2

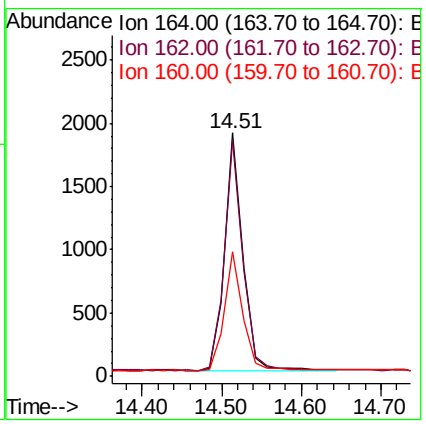




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:164 Resp: 2988

Ion	Ratio	Lower	Upper
164	100		
162	96.8	77.6	116.4
160	51.3	36.0	54.0



Instrument :
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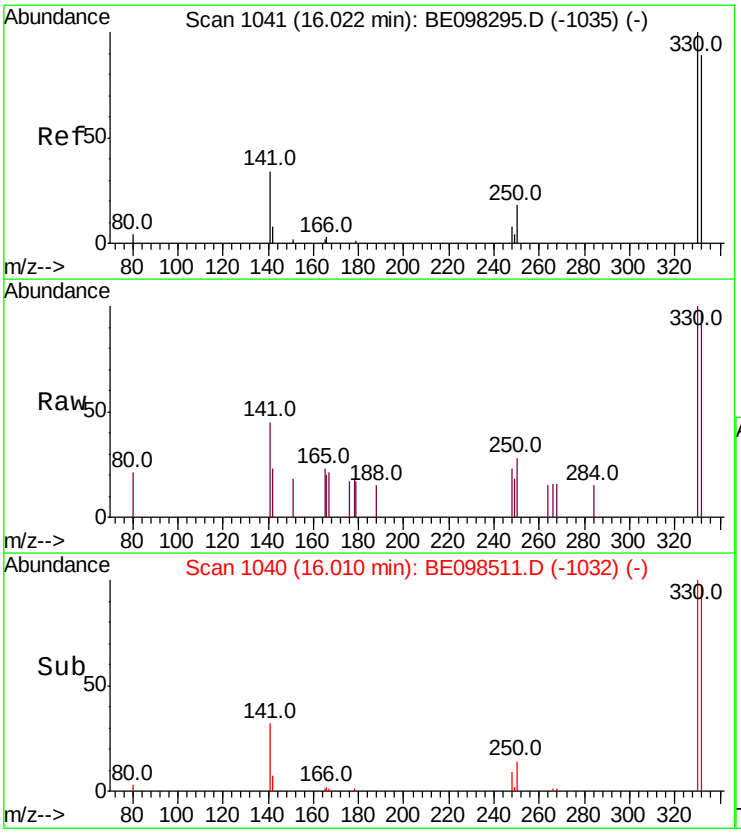
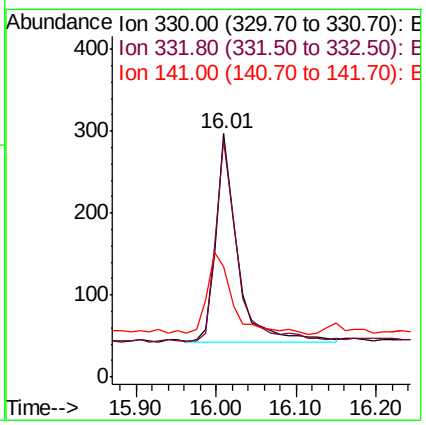
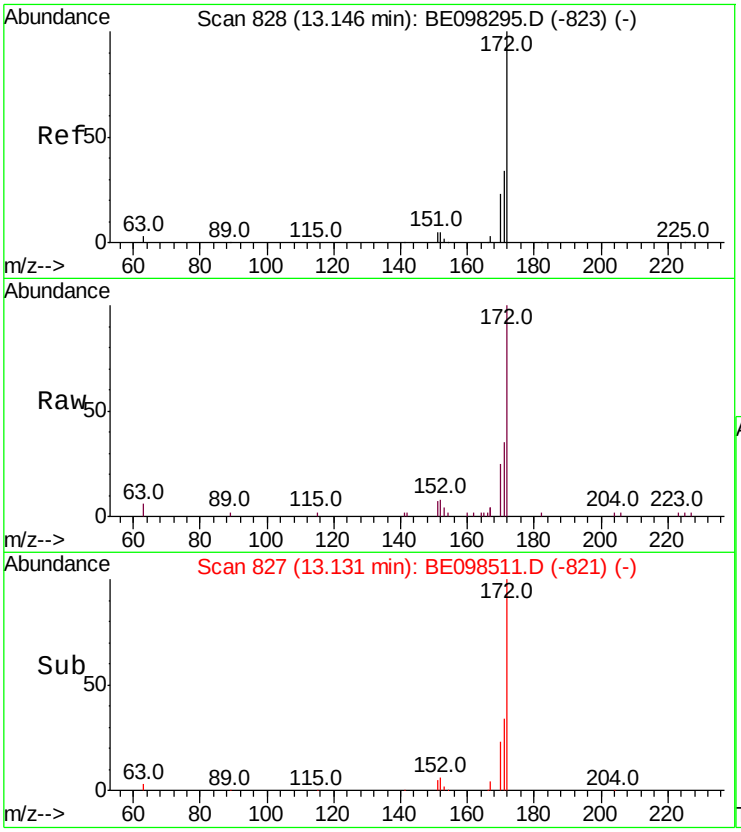


#14
2,4,6-Tribromophenol
Concen: 0.431 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:330 Resp: 473

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	46.9	39.0	58.4

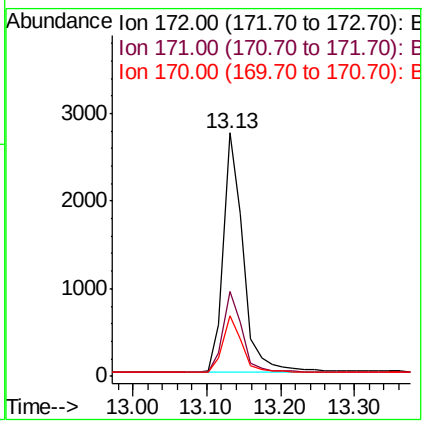




#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:172 Resp: 5146

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	24.7	19.6	29.4



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

Manual Integrations APPROVED
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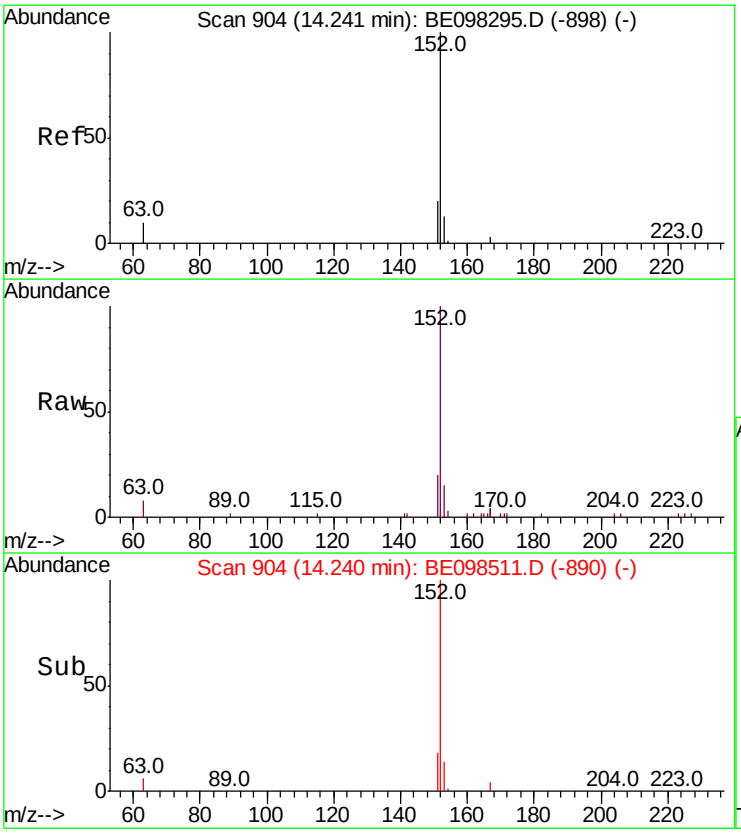
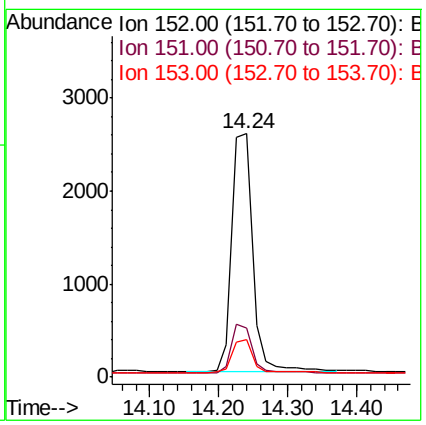
12/19/2018 3:09:15 PM

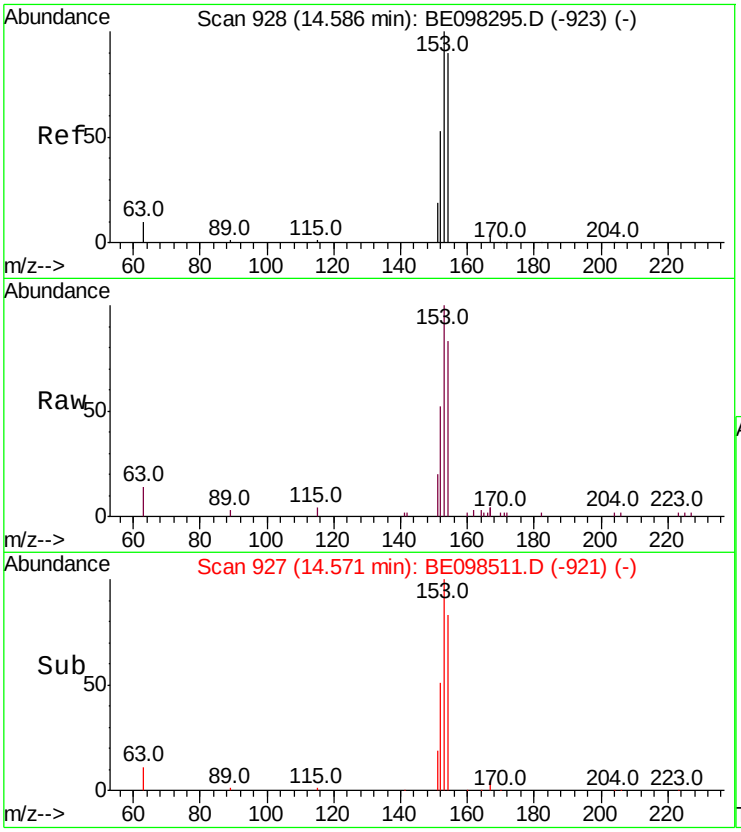


#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:152 Resp: 5435

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	13.7	10.6	16.0

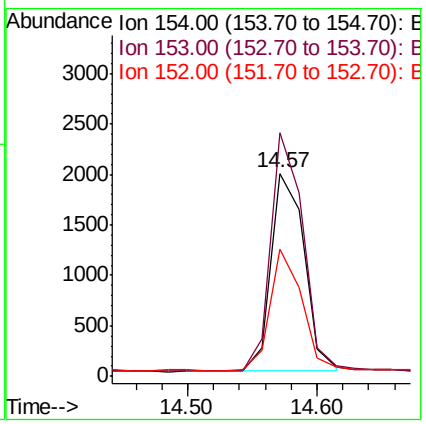




#17
Acenaphthene
Concen: 0.416 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:154 Resp: 3499

Ion	Ratio	Lower	Upper
154	100		
153	117.5	91.8	137.6
152	58.8	45.5	68.3



Instrument :
BNA_E
ClientSampleId :
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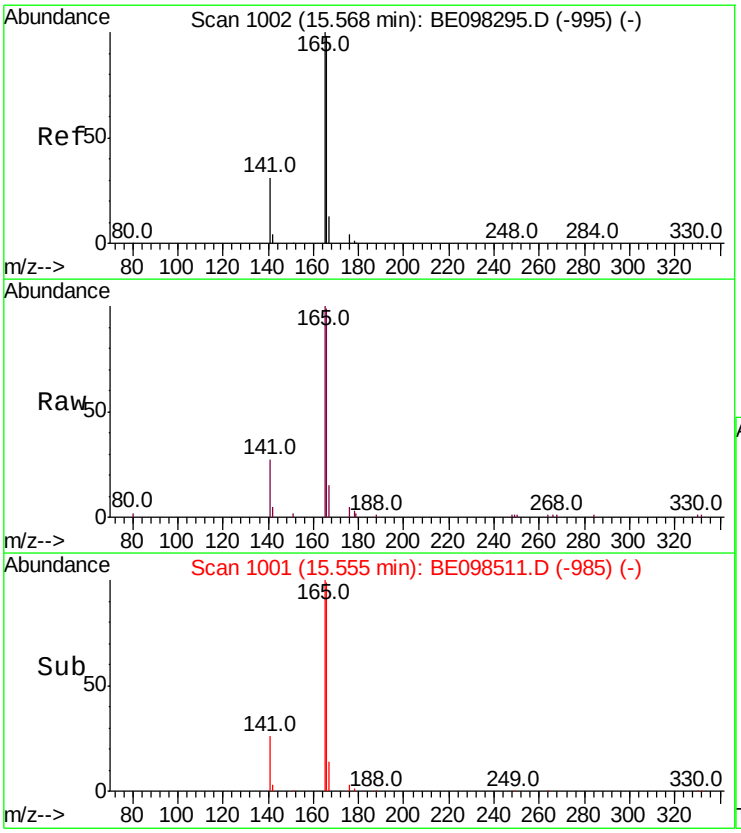
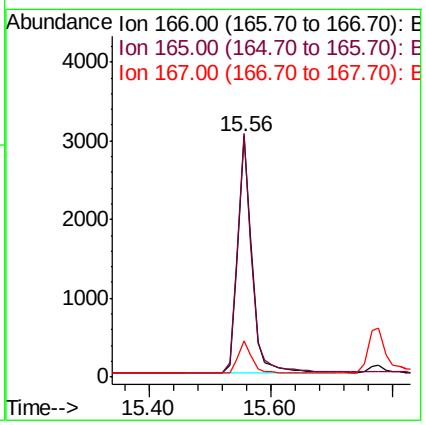
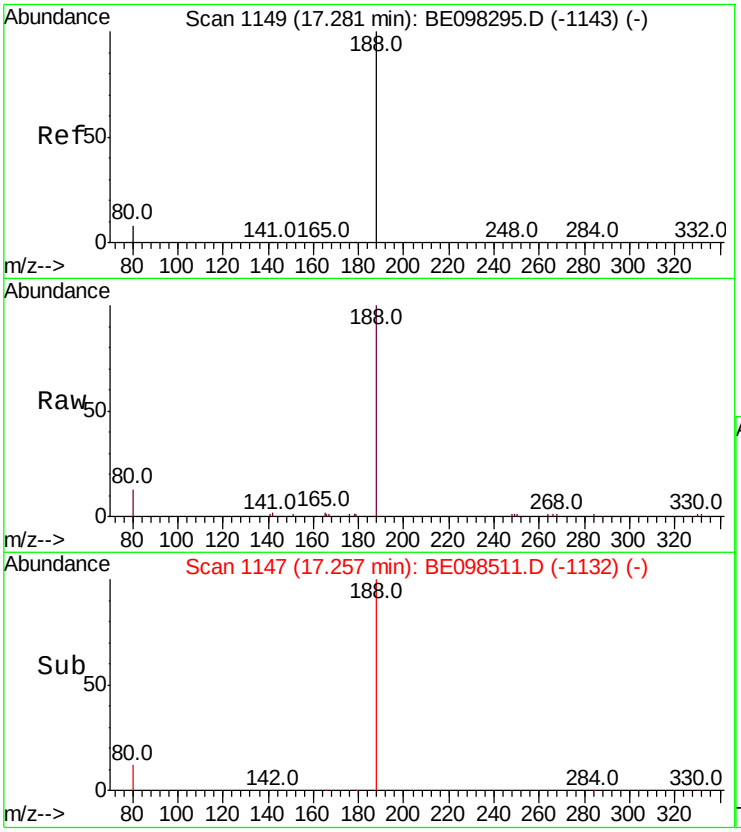


#18
Fluorene
Concen: 0.443 ng
RT: 15.56 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:166 Resp: 4981

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.3	118.9
167	13.3	11.3	16.9





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.26 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:188 Resp: 7291

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	7.2	10.8#

Instrument :
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ClientSampleId :
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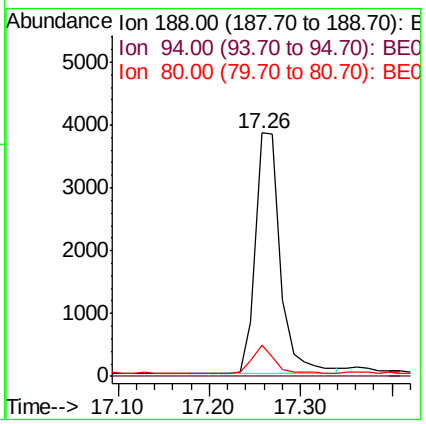
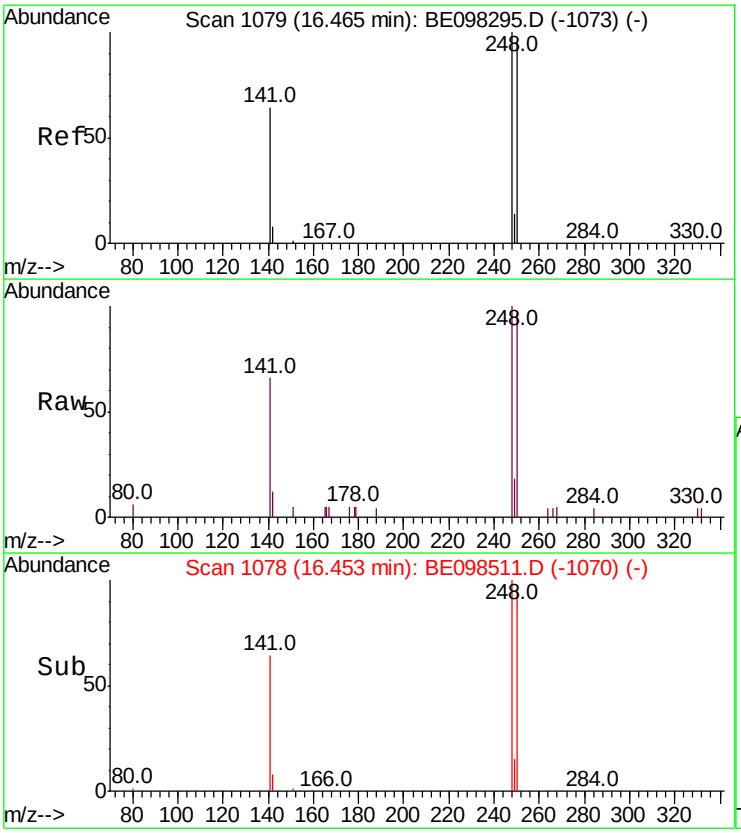
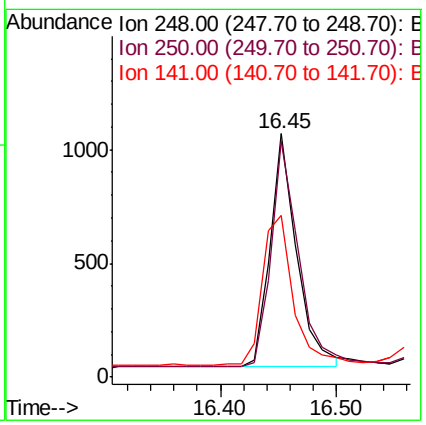


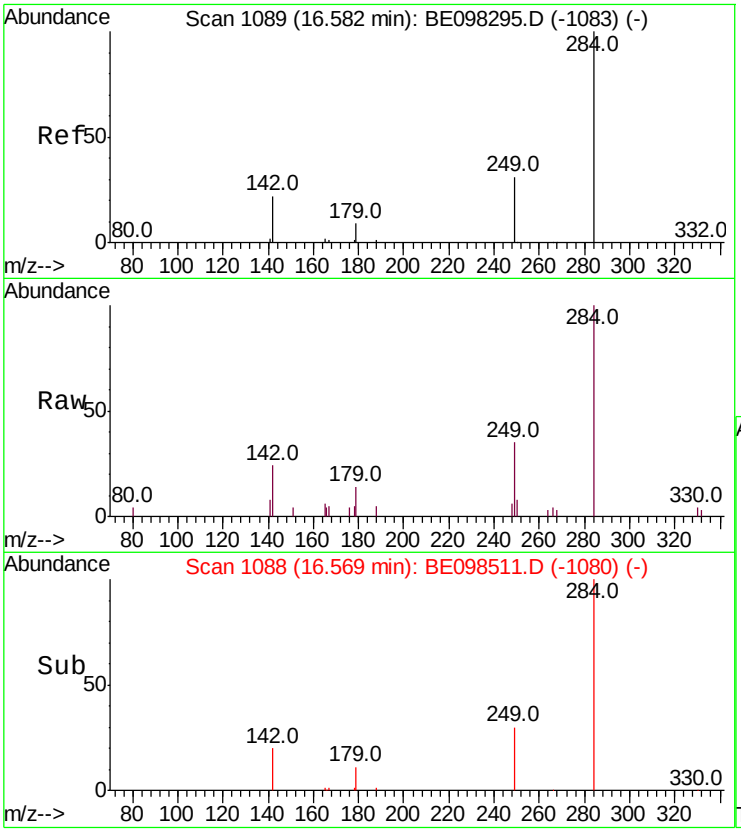


#20
4-Bromophenyl-phenylether
Concen: 0.416 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:248 Resp: 1632

Ion	Ratio	Lower	Upper
248	100		
250	96.7	71.0	106.6
141	66.4	62.1	93.1

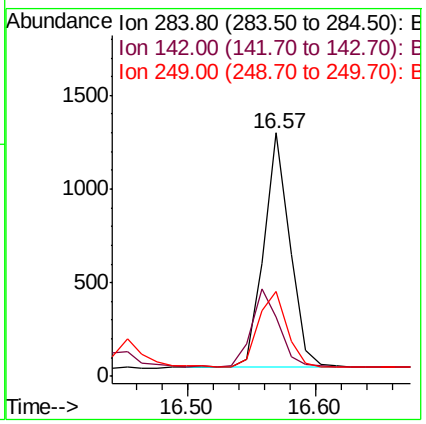




#21
Hexachlorobenzene
Concen: 0.427 ng
RT: 16.57 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:284 Resp: 1803

Ion	Ratio	Lower	Upper
284	100		
142	33.9	26.3	39.5
249	34.8	26.0	39.0



Instrument :
BNA_E
ClientSampleId :
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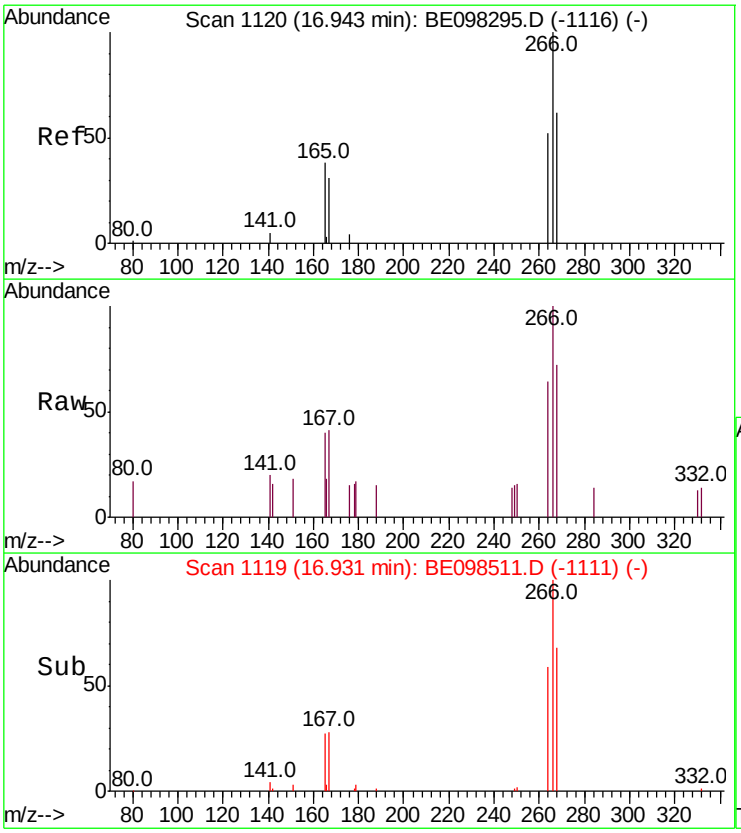
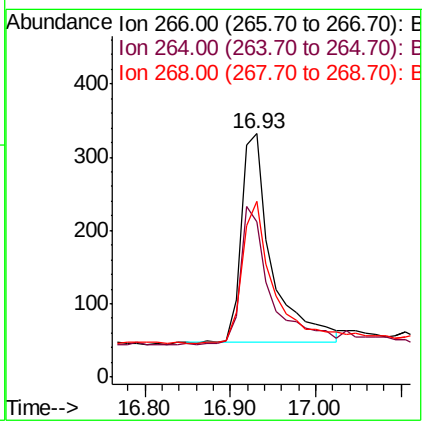
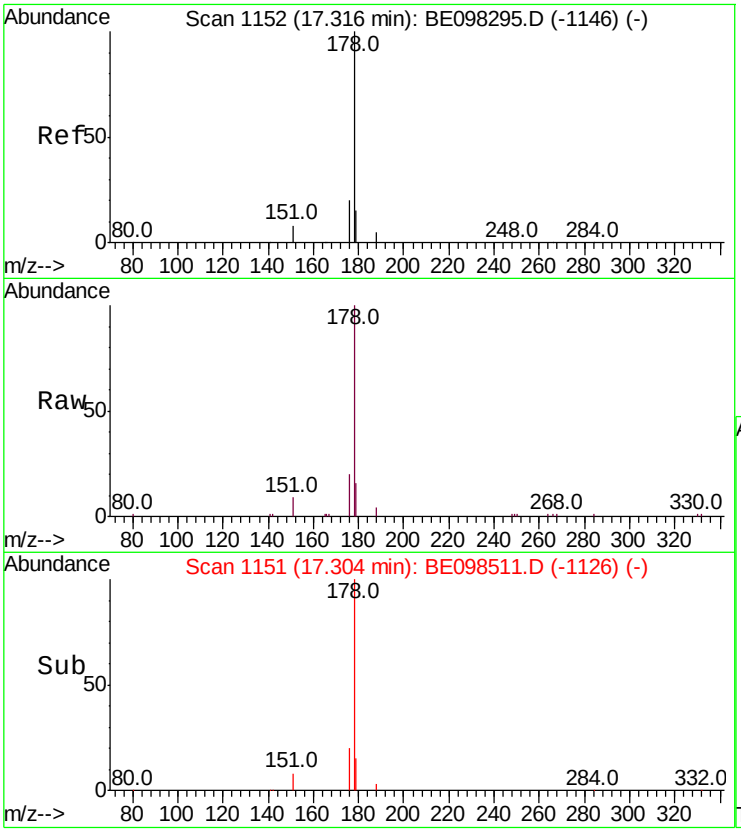


#22
Pentachlorophenol
Concen: 0.895 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:266 Resp: 710

Ion	Ratio	Lower	Upper
266	100		
264	63.9	59.0	88.4
268	72.3	55.1	82.7

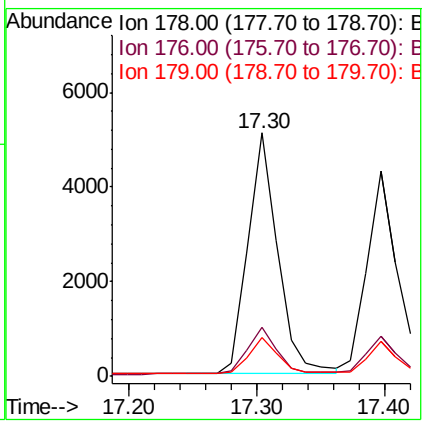




#23
Phenanthrene
Concen: 0.470 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:178 Resp: 8334

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.5	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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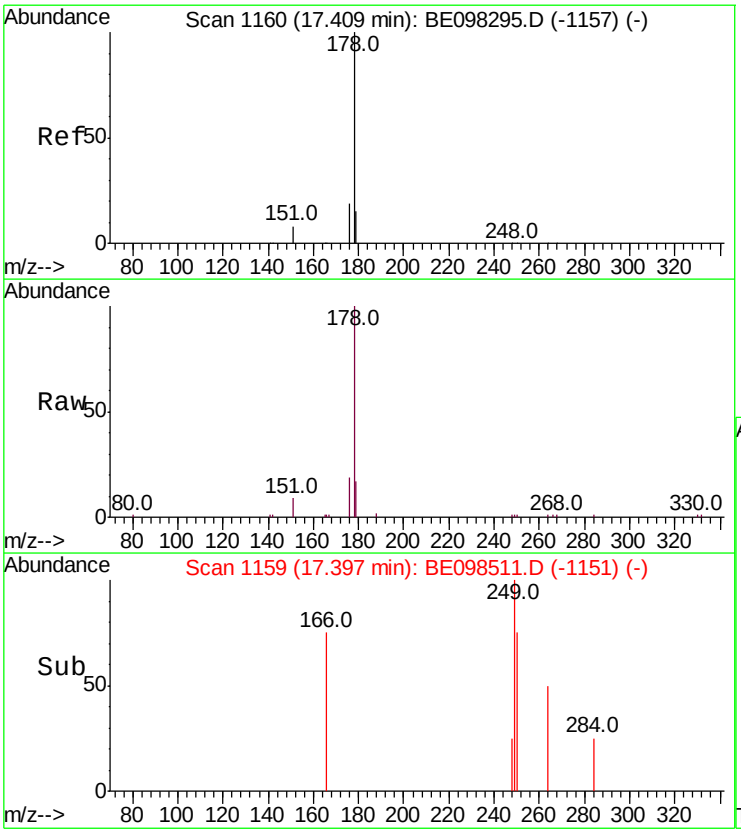
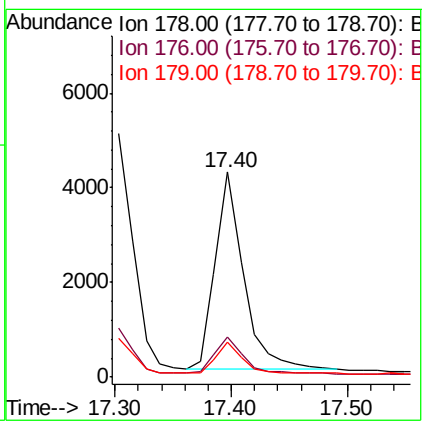
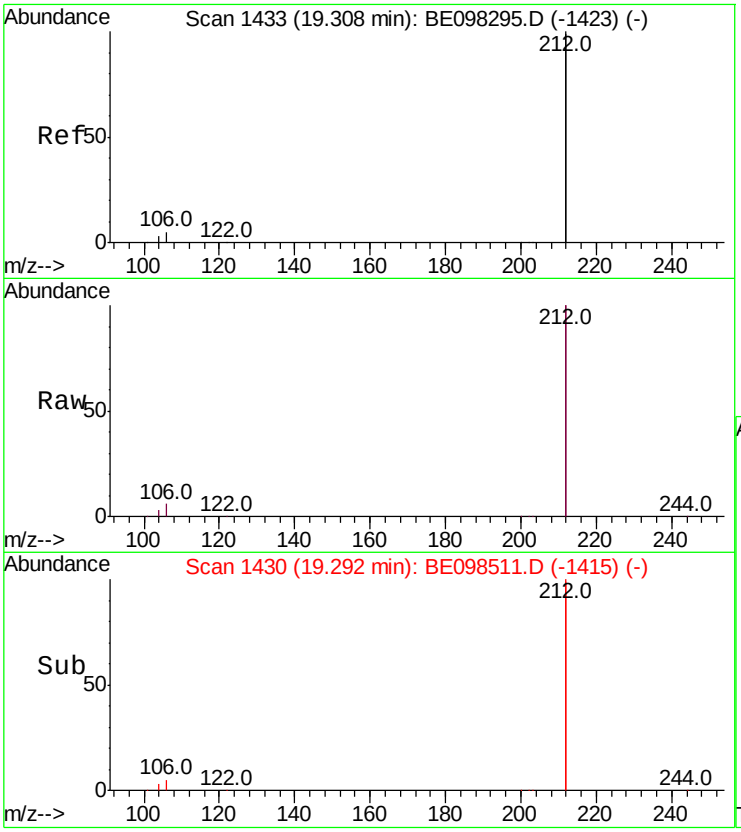


#24
Anthracene
Concen: 0.445 ng
RT: 17.40 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:178 Resp: 7032

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	14.6	12.3	18.5

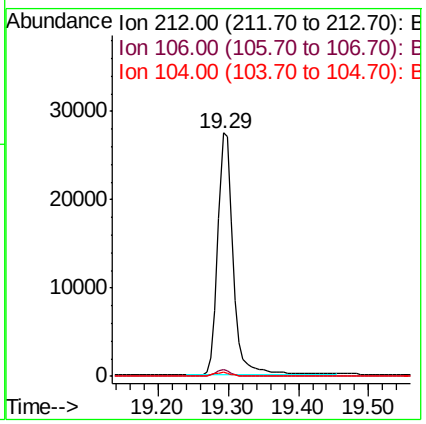




#25
Fluoranthene-d10
Concen: 0.443 ng
RT: 19.29 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:212 Resp: 41395

Ion	Ratio	Lower	Upper
212	100		
106	2.5	2.2	3.2
104	1.4	1.3	1.9



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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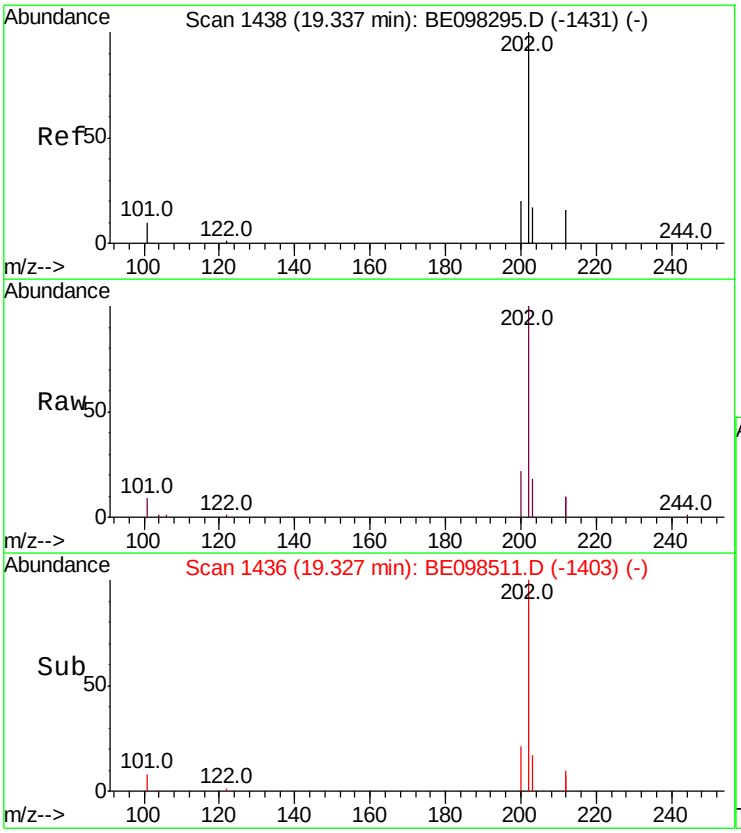
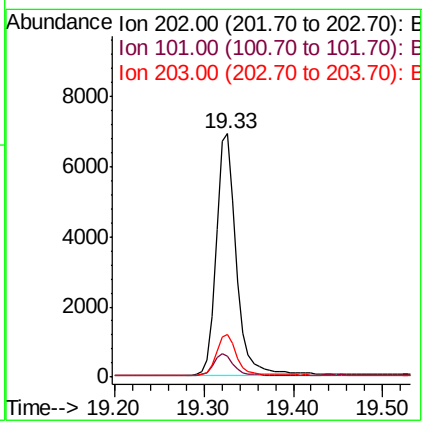
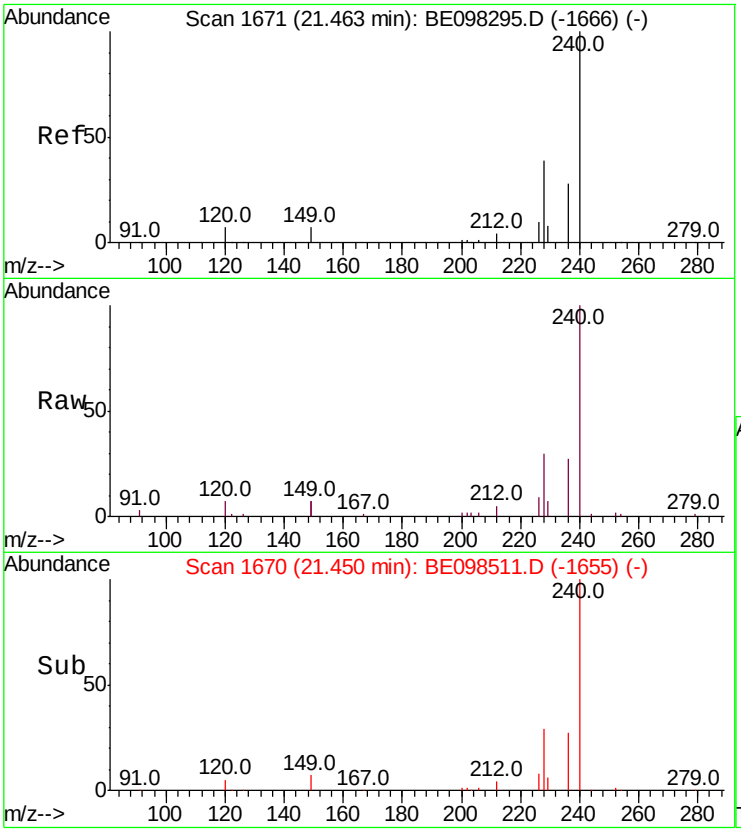


#26
Fluoranthene
Concen: 0.455 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:202 Resp: 10657

Ion	Ratio	Lower	Upper
202	100		
101	9.2	8.0	12.0
203	16.8	13.8	20.6

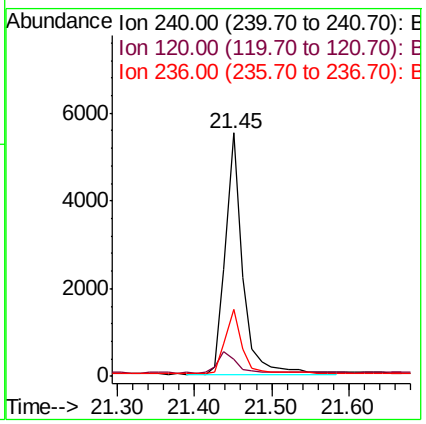




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:240 Resp: 8538

Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.5	14.3#
236	27.3	22.7	34.1



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

Manual Integrations APPROVED
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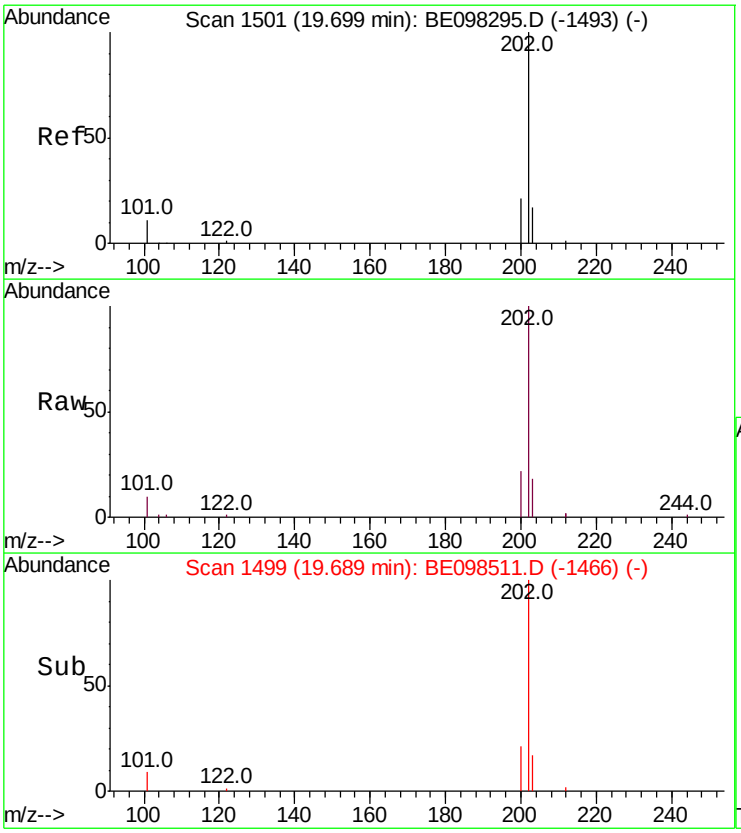
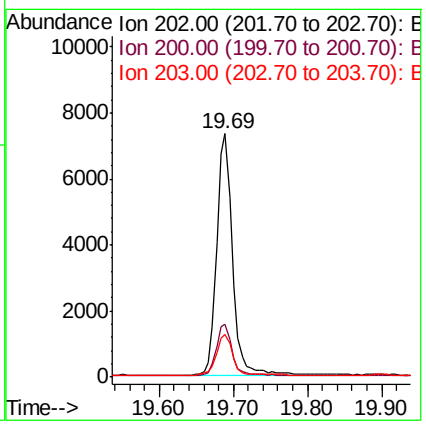
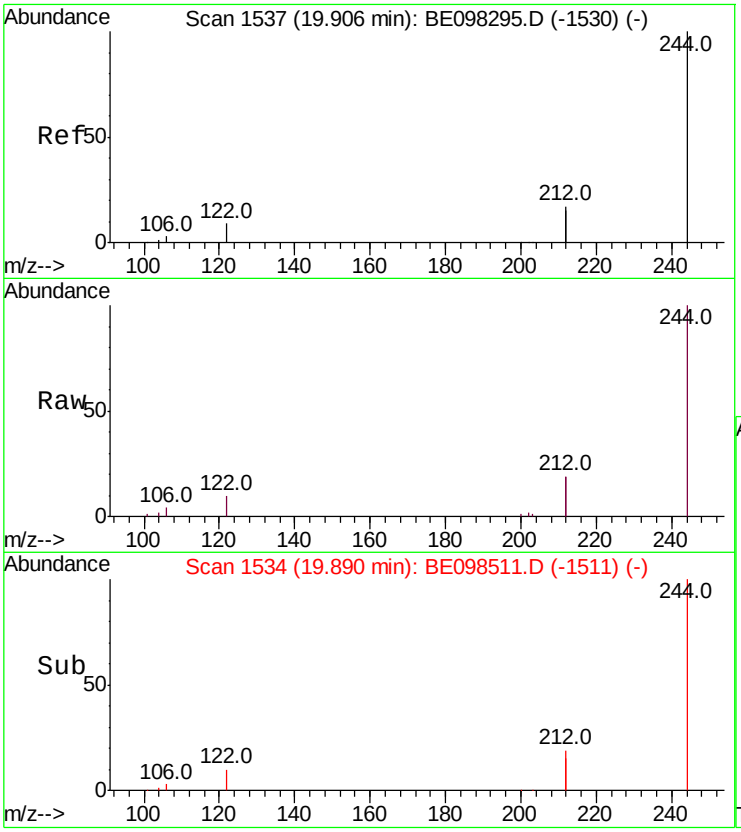


#28
Pyrene
Concen: 0.402 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:202 Resp: 10777

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.1	21.1

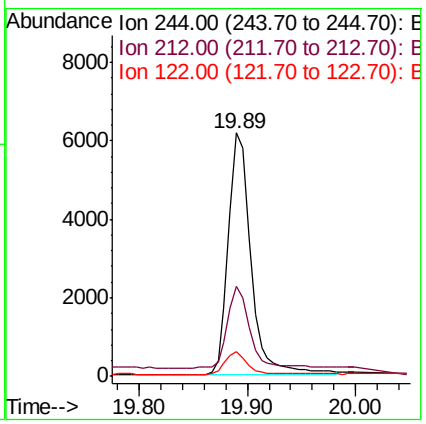




#29
Terphenyl-d14
Concen: 0.429 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:244 Resp: 8900

Ion	Ratio	Lower	Upper
244	100		
212	37.0	27.4	41.0
122	10.3	8.3	12.5



Instrument :
BNA_E
ClientSampleId :
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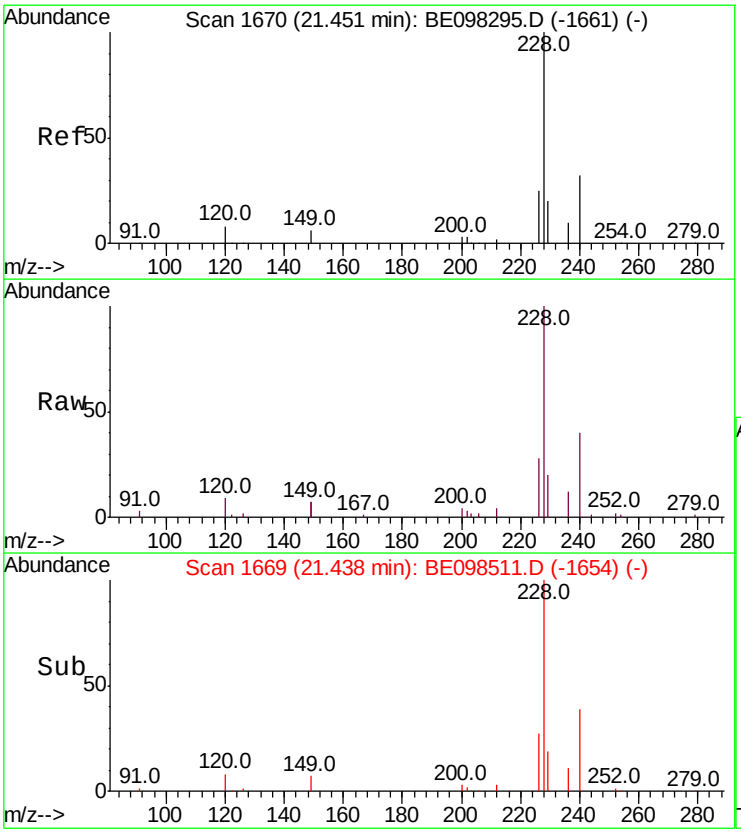
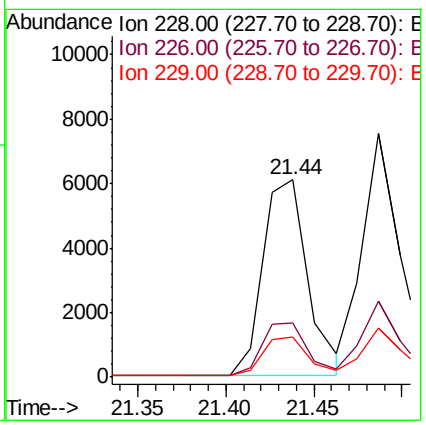
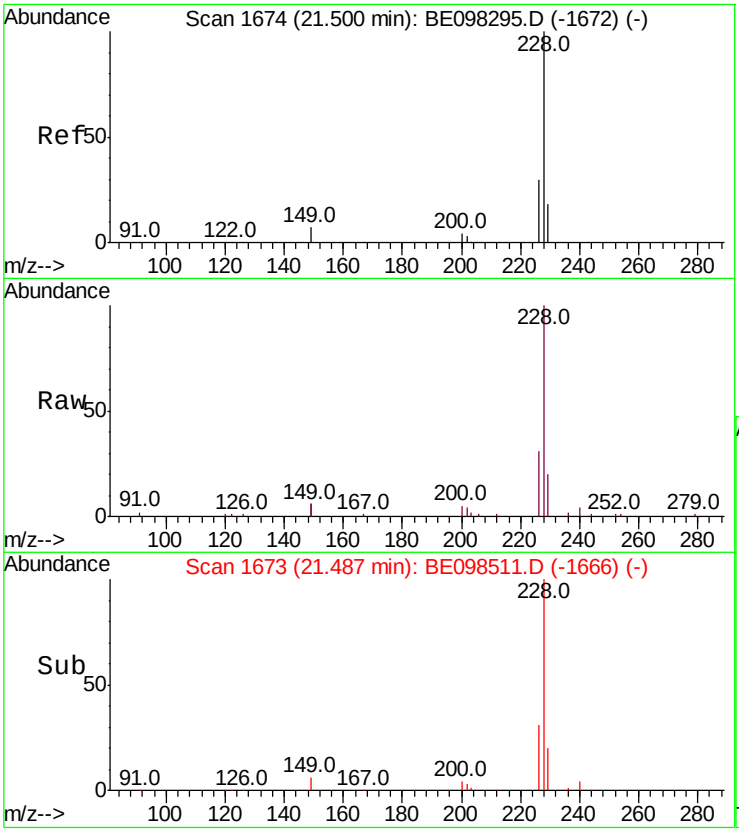


#30
Benzo(a)anthracene
Concen: 0.444 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:228 Resp: 10785

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.1	16.3	24.5

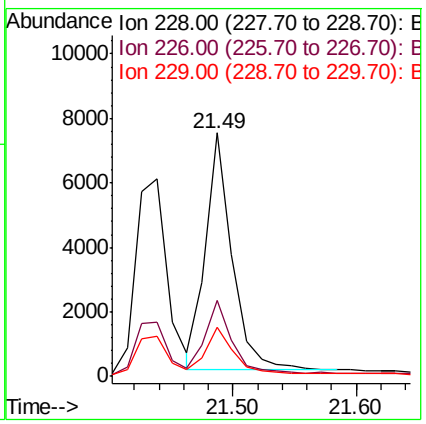




#31
Chrysene
Concen: 0.434 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:228 Resp: 11051

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.0
229	20.3	16.2	24.4



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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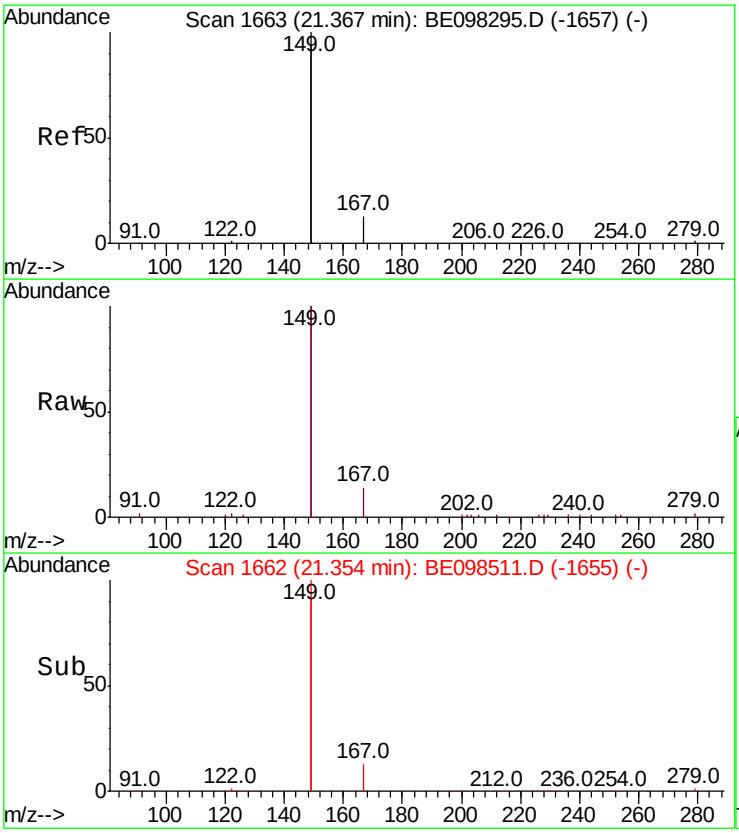
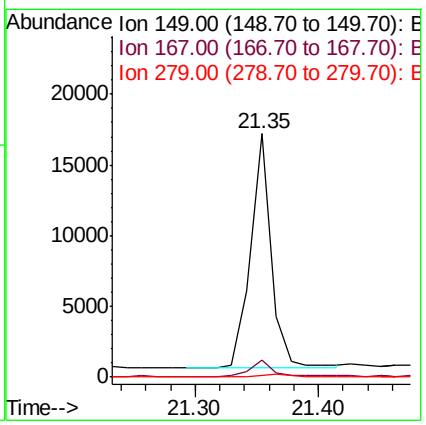
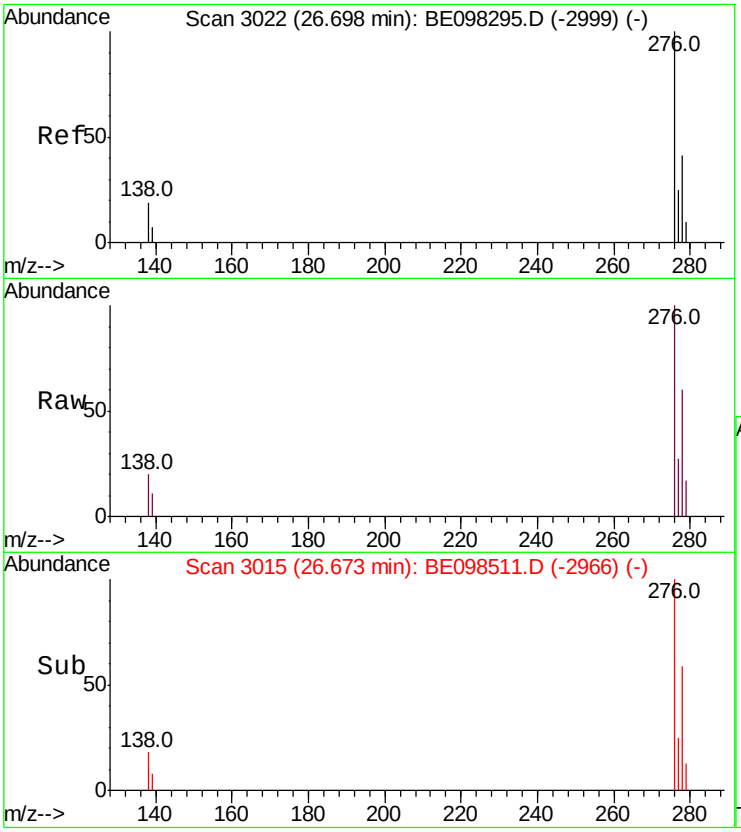


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.391 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:149 Resp: 19289

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.7	8.5
279	1.0	1.0	1.4

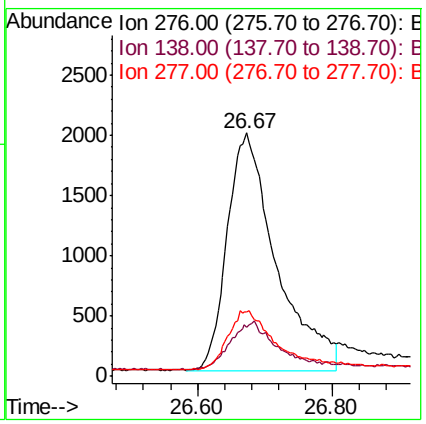




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 26.67 min Scan# 3015
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:276 Resp: 9927

Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.3	24.5
277	0.0	20.2	30.4#



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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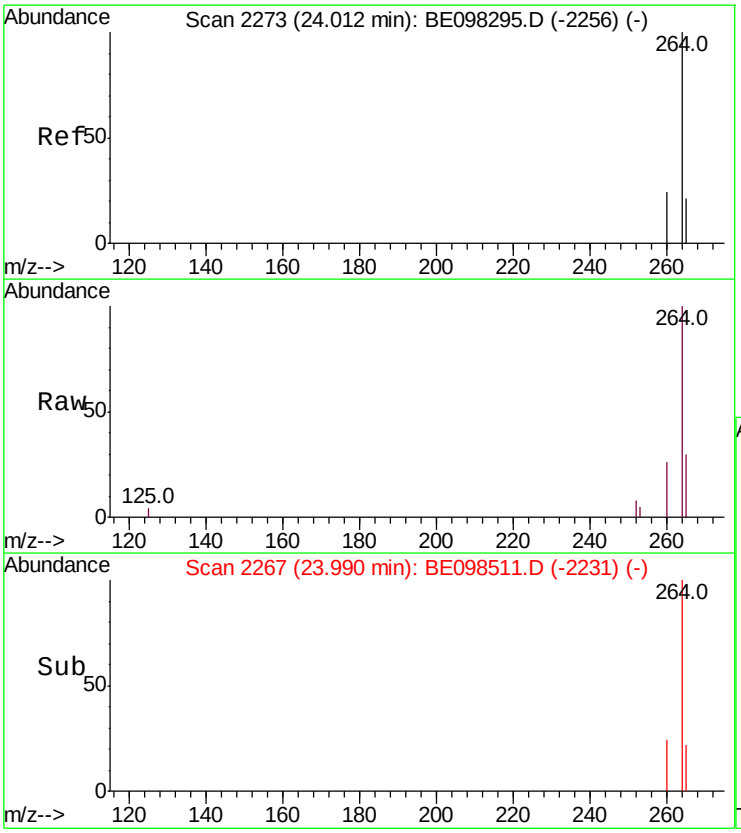
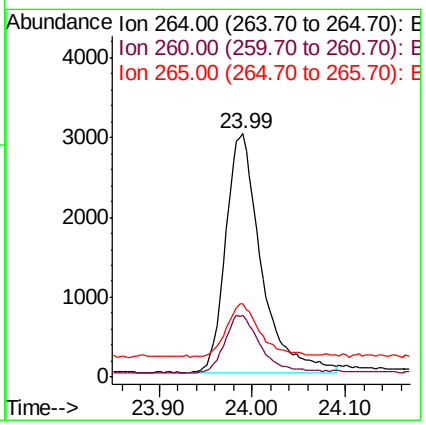
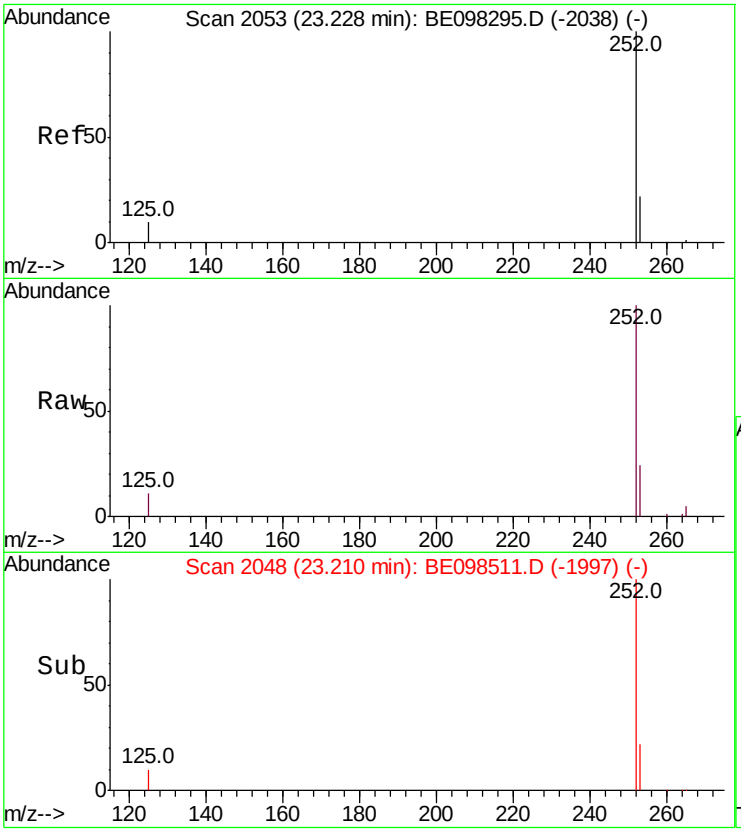


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:264 Resp: 7914

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.2
265	29.9	25.2	37.8

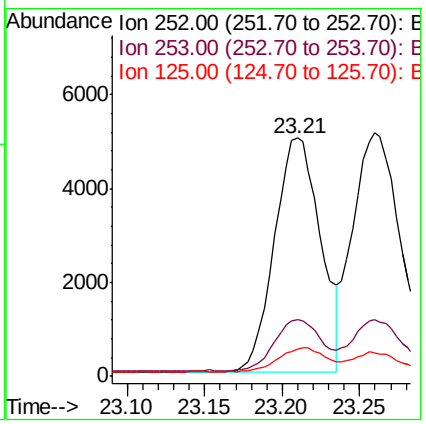




#35
Benzo(b)fluoranthene
Concen: 0.476 ng
RT: 23.21 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:252 Resp: 10312

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.0	30.0
125	11.4	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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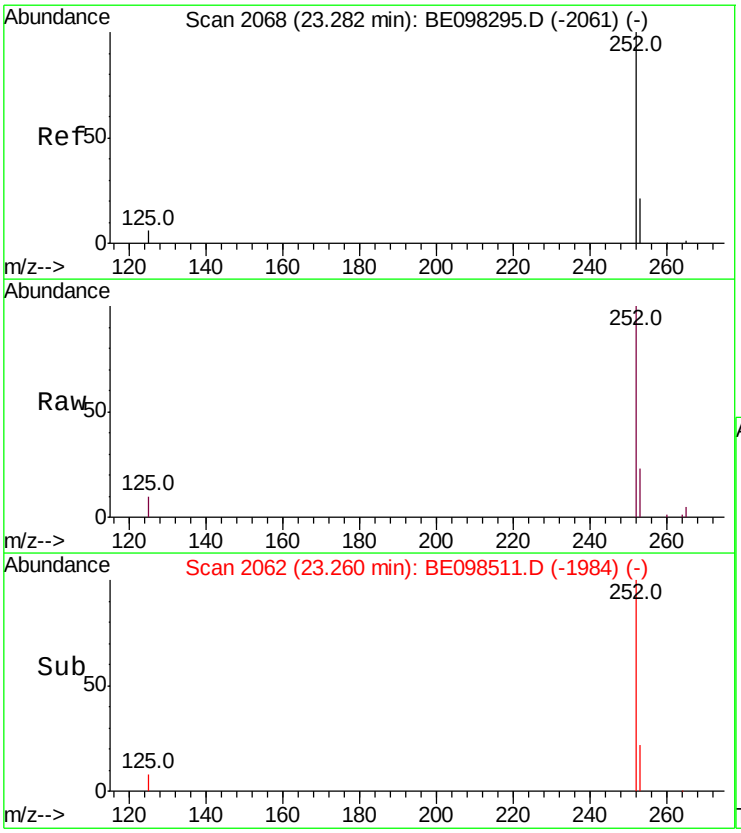
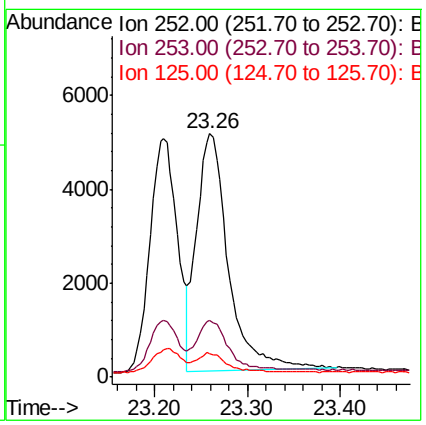
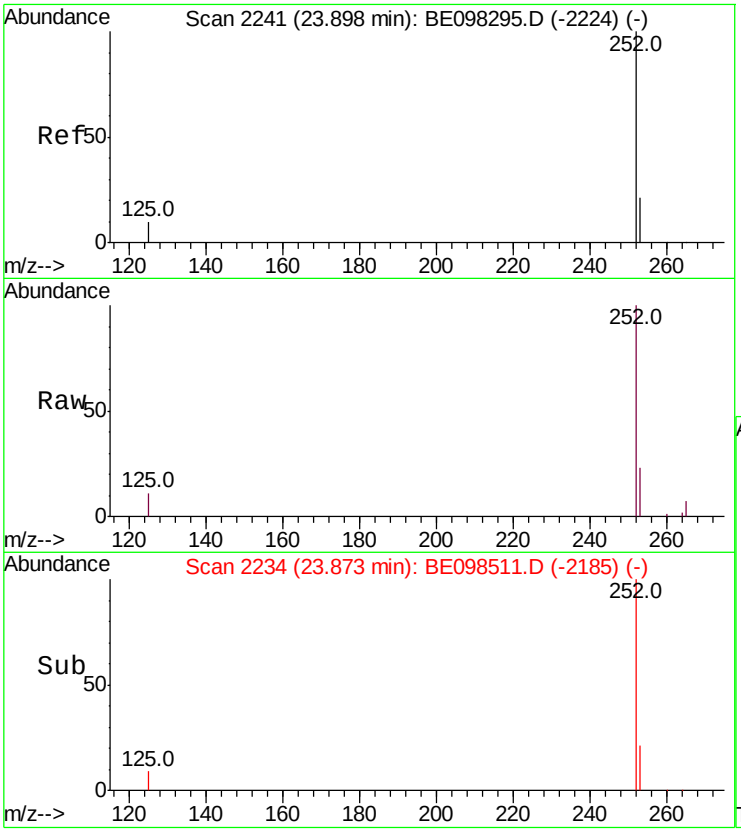


#36
Benzo(k)fluoranthene
Concen: 0.470 ng
RT: 23.26 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:252 Resp: 11838

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.6
125	9.7	9.1	13.7





#37
Benzo(a)pyrene
Concen: 0.473 ng
RT: 23.87 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:252 Resp: 10573

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.6	30.8
125	11.5	10.5	15.7

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

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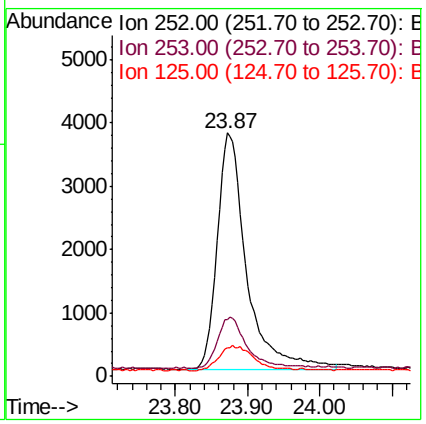
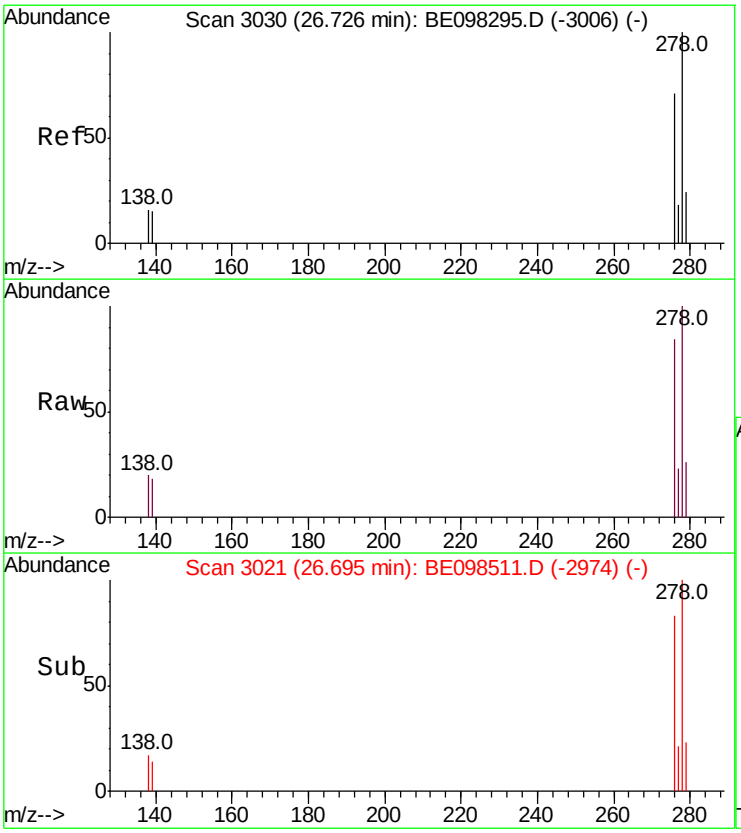
12/19/2018 3:09:15 PM

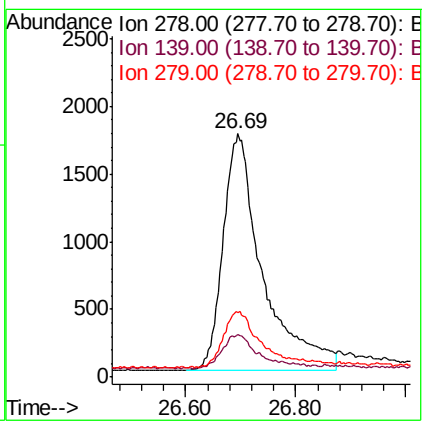


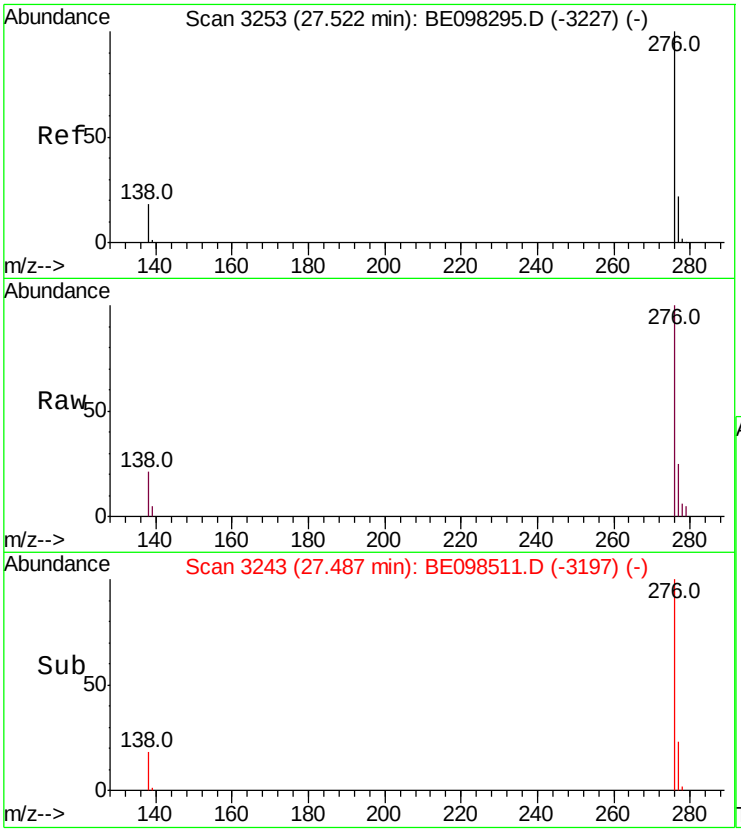


#38
Dibenzo(a,h)anthracene
Concen: 0.414 ng
RT: 26.69 min Scan# 3021
Delta R.T. -0.03 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:278 Resp: 8704

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	26.2	21.8	32.8

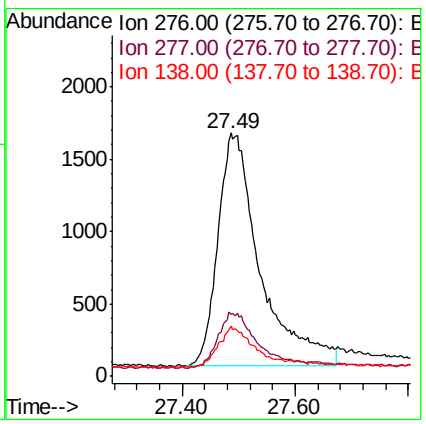




#39
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 27.49 min Scan# 3243
Delta R.T. -0.03 min
Lab File: BE098511.D
Acq: 18 Dec 2018 11:25

Tgt Ion:276 Resp: 8350

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.8	31.2
138	20.7	15.8	23.6



Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MS

Manual Integrations APPROVED
Sohil
12/19/2018 3:09:15 PM