Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092618\
Data File : BE097684.D
Acq On : 26 Sep 2018 12:13
Operator : SJ/JU
Sample : J4963-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

Manual Integrations APPROVED
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9/26/2018 6:07:35 PM

Quant Time: Sep 26 15:47:44 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 18:40:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	900	0.40	ng		-0.01
7) Naphthalene-d8	10.12	136	3988	0.40	ng		-0.01
13) Acenaphthene-d10	14.00	164	2215	0.40	ng		0.00
19) Phenanthrene-d10	16.75	188	6379	0.40	ng		0.00
27) Chrysene-d12	20.97	240	9336	0.40	ng		0.00
34) Perylene-d12	23.20	264	9001	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.07	112	509	0.21	ng		0.01
5) Phenol-d6	6.63	99	439m	0.13	ng		0.01
8) Nitrobenzene-d5	8.53	82	1472	0.57	ng		-0.01
11) 2-Methylnaphthalene-d10	11.71	152	3094	0.52	ng		-0.01
14) 2,4,6-Tribromophenol	15.51	330	623	0.65	ng		-0.02
15) 2-Fluorobiphenyl	12.62	172	5869	0.81	ng		-0.01
25) Fluoranthene-d10	18.80	212	37255	0.54	ng		0.00
29) Terphenyl-d14	19.41	244	13245	0.72	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	252	0.139	ng	#	76
3) n-Nitrosodimethylamine	3.38	42	199	0.235	ng	#	82
6) bis(2-Chloroethyl)ether	6.83	93	1276	0.452	ng		88
9) Naphthalene	10.17	128	18644	0.514	ng		100
10) Hexachlorobutadiene	10.45	225	708	0.429	ng		95
12) 2-Methylnaphthalene	11.79	142	2887	0.503	ng		100
16) Acenaphthylene	13.71	152	4464	0.501	ng		99
17) Acenaphthene	14.06	154	2913	0.501	ng		96
18) Fluorene	15.05	166	4166	0.509	ng	#	80
20) 4-Bromophenyl-phenylether	15.95	248	1361	0.481	ng	#	83
21) Hexachlorobenzene	16.07	284	1473	0.452	ng	#	84
22) Pentachlorophenol	16.43	266	1068	1.313	ng	#	75
23) Phenanthrene	16.79	178	7931	0.526	ng		99
24) Anthracene	16.88	178	7009	0.559	ng		95
26) Fluoranthene	18.83	202	10841	0.599	ng		99
28) Pyrene	19.19	202	11249	0.462	ng		99
30) Benzo(a)anthracene	20.95	228	12555	0.569	ng		95
31) Chrysene	21.00	228	12469	0.483	ng		99
32) Bis(2-ethylhexyl)phthalate	20.89	149	18823	0.747	ng		99
33) Indeno(1,2,3-cd)pyrene	25.50	276	15163	0.557	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	12277	0.534	ng	#	88
36) Benzo(k)fluoranthene	22.57	252	13868	0.509	ng		95
37) Benzo(a)pyrene	23.10	252	12080	0.532	ng	#	92
38) Dibenzo(a,h)anthracene	25.51	278	12400	0.519	ng	#	95
39) Benzo(g,h,i)perylene	26.20	276	12380	0.521	ng	#	88

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

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Acq On : 26 Sep 2018 12:13
Operator : SJ/JU
Sample : J4963-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 26 15:47:44 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 24 18:40:34 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

Manual Integrations APPROVED
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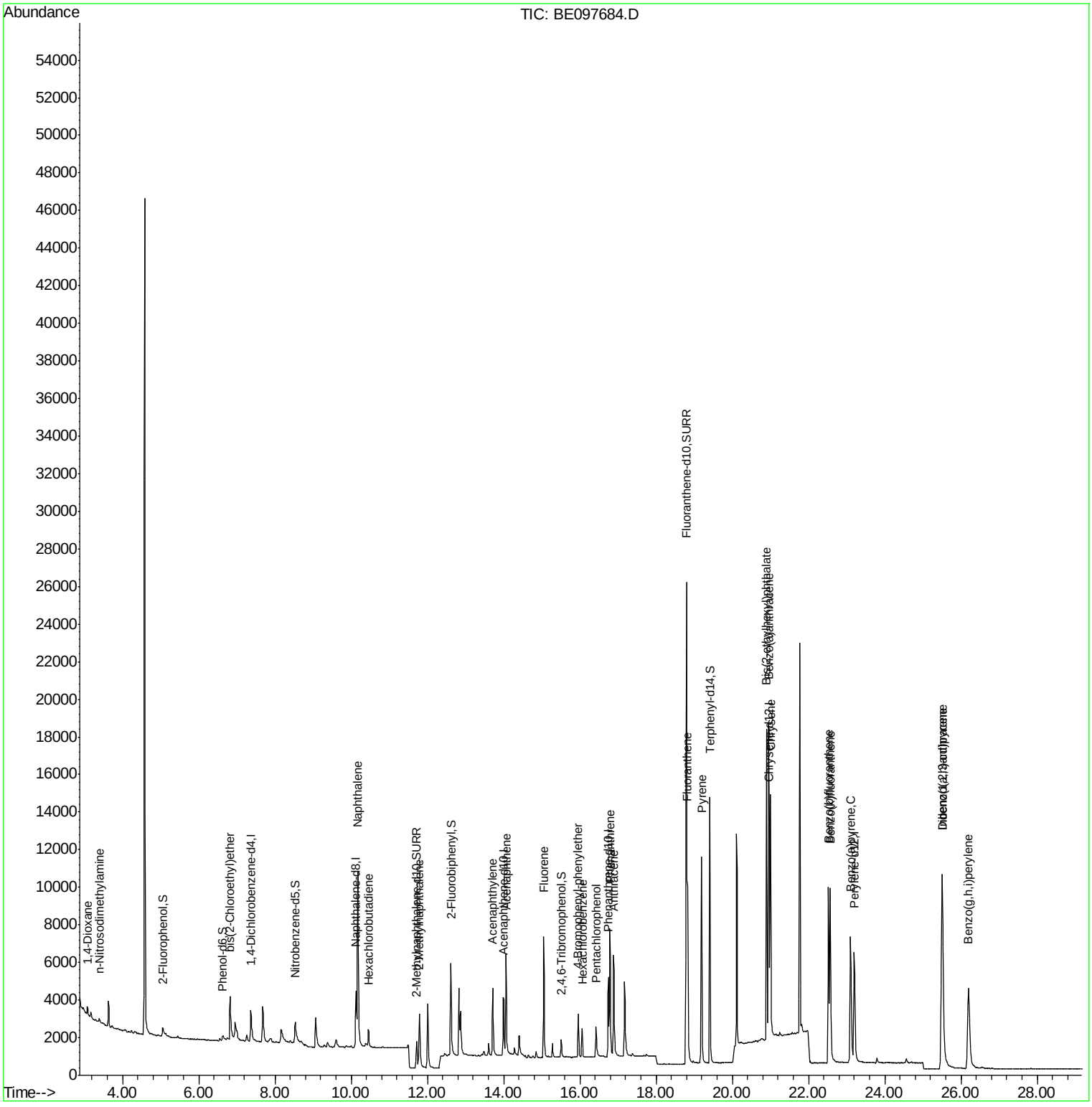
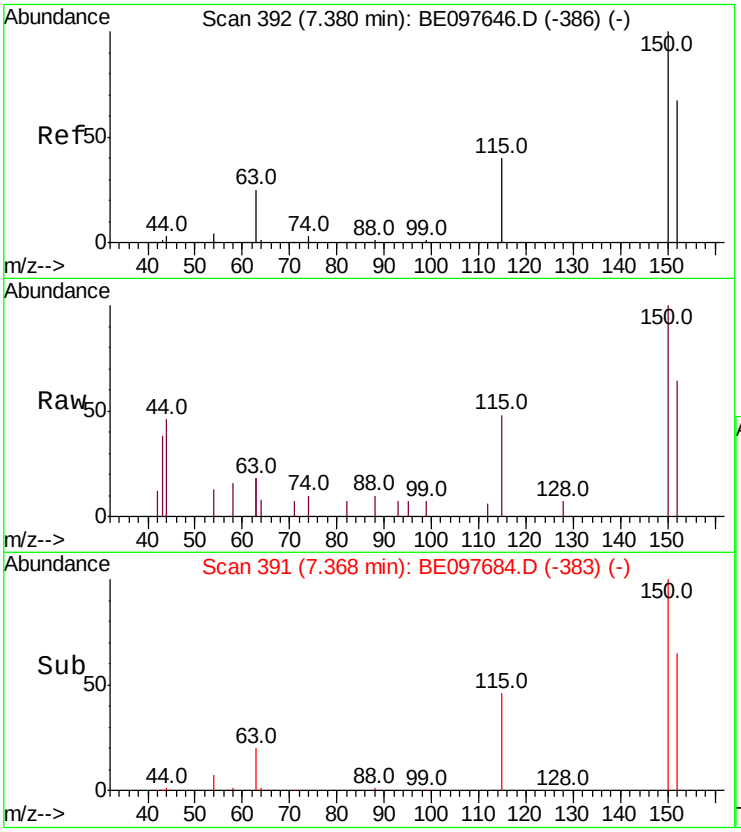
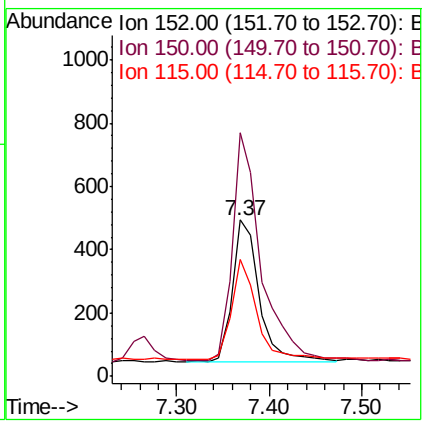




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:152 Resp: 900

Ion	Ratio	Lower	Upper
152	100		
150	156.0	117.2	175.8
115	75.1	57.0	85.6



Instrument :
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ClientSampleId :
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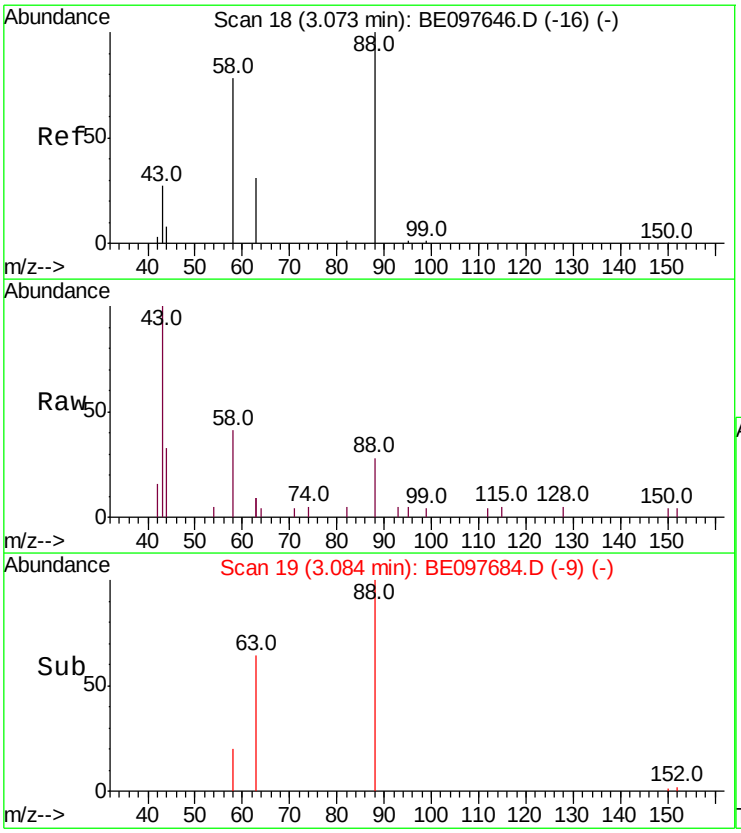
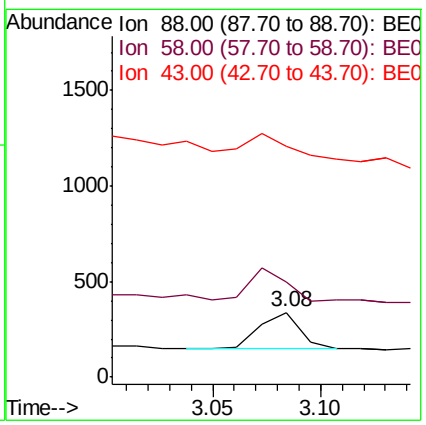
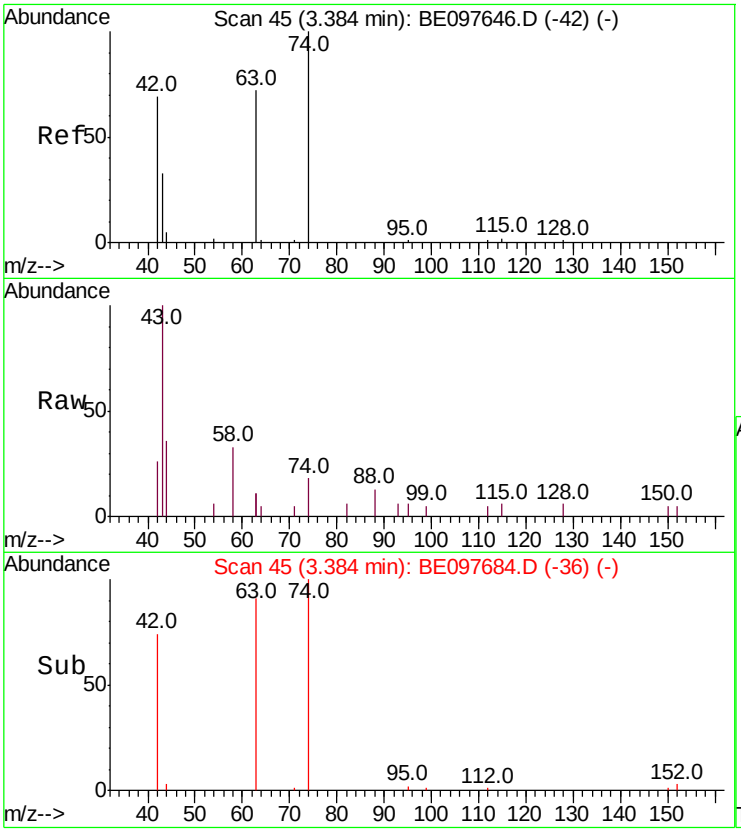


#2
1,4-Dioxane
Concen: 0.139 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion: 88 Resp: 252

Ion	Ratio	Lower	Upper
88	100		
58	77.8	63.2	94.8
43	92.1	41.2	61.8#





#3
n-Nitrosodimethylamine
Concen: 0.235 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion: 42 Resp: 199

Ion	Ratio	Lower	Upper
42	100		
74	137.7	96.0	144.0
44	0.0	12.0	18.0#

Instrument :
BNA_E
ClientSampleId :
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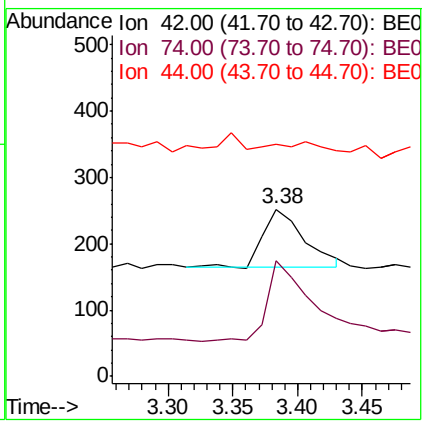
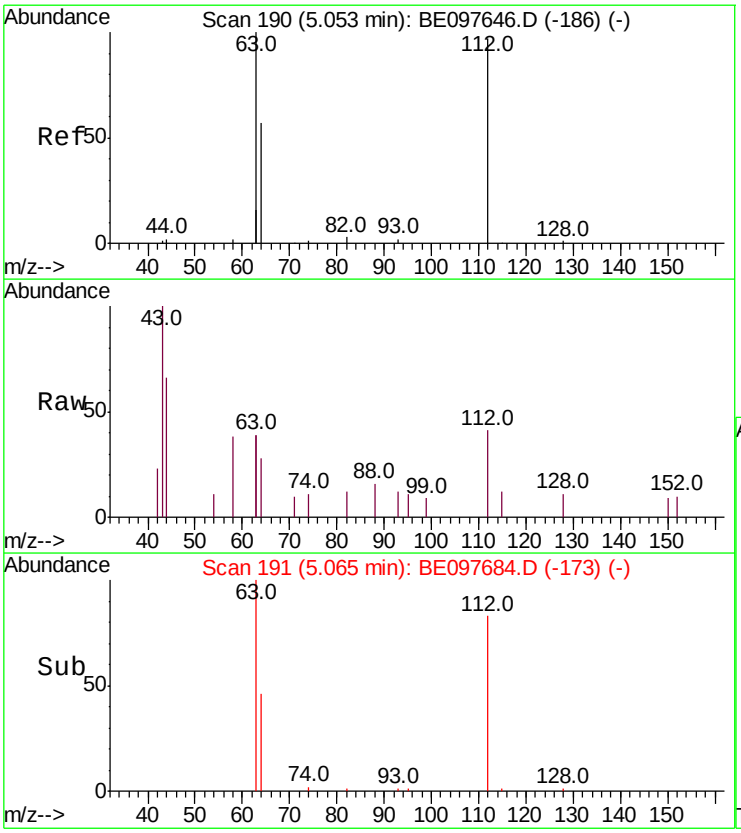
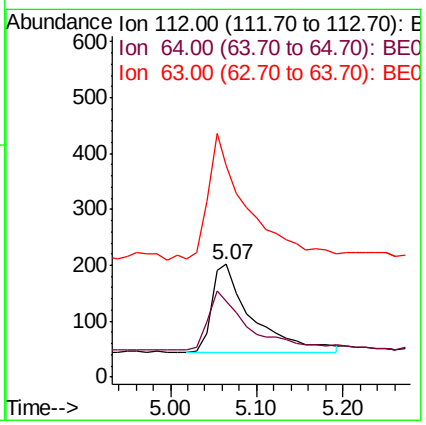


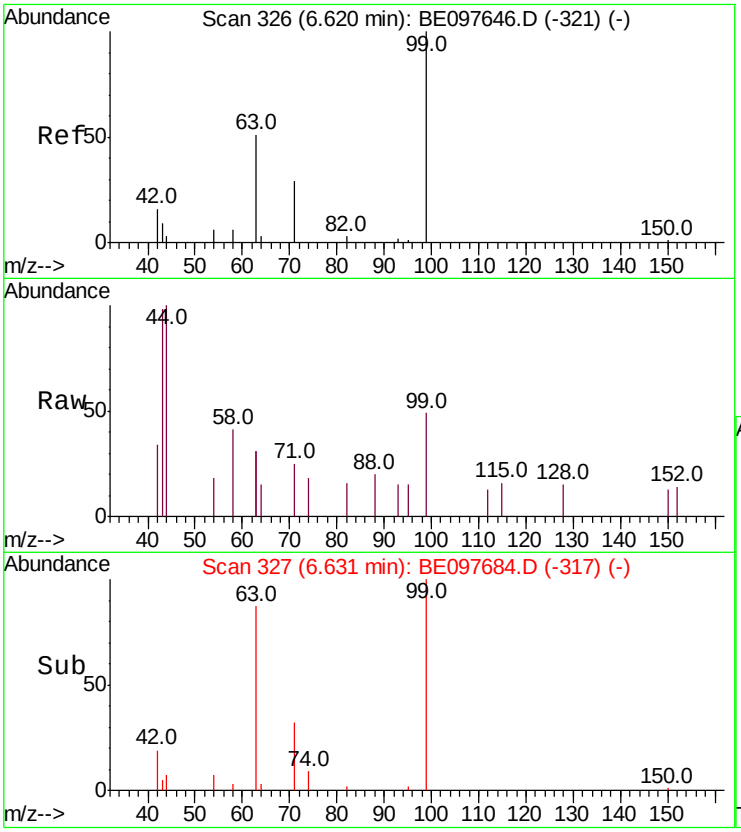


#4
2-Fluorophenol
Concen: 0.215 ng
RT: 5.07 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:112 Resp: 509

Ion	Ratio	Lower	Upper
112	100		
64	69.2	60.1	90.1
63	141.3	116.8	175.2





#5
Phenol-d6
Concen: 0.131 ng m
RT: 6.63 min Scan# 327
Delta R.T. 0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion: 99 Resp: 439

Ion	Ratio	Lower	Upper
99	100		
42	18.0	20.2	30.2#
71	24.1	28.4	42.6#

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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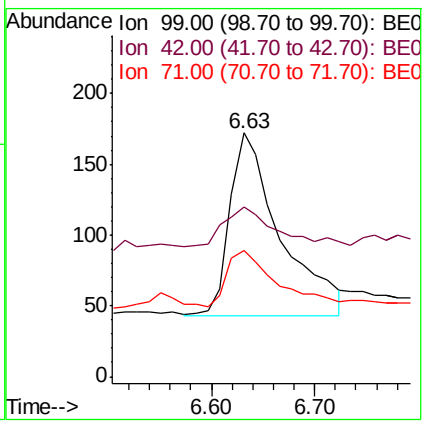
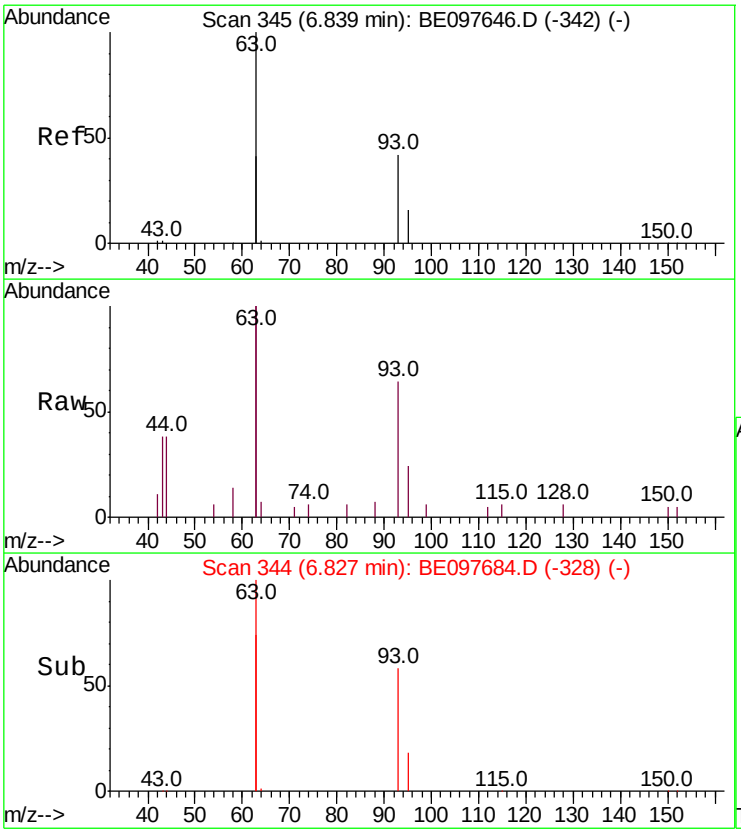
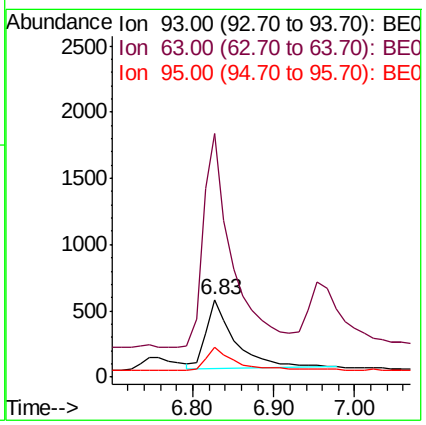


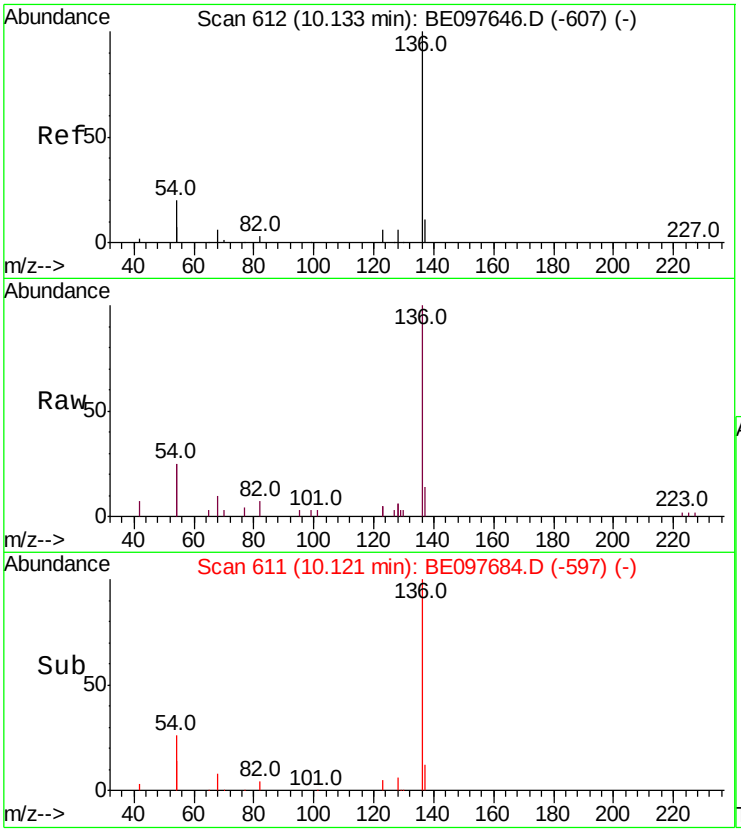


#6
bis(2-Chloroethyl)ether
Concen: 0.452 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion: 93 Resp: 1276

Ion	Ratio	Lower	Upper
93	100		
63	315.5	275.3	412.9
95	33.5	25.2	37.8

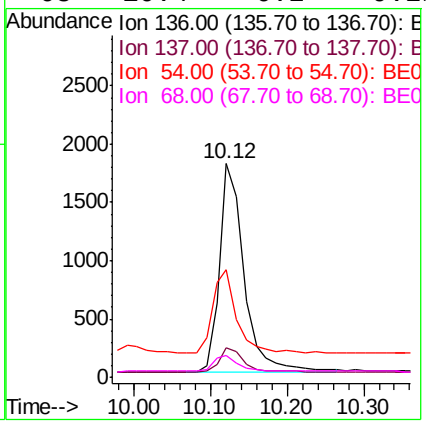




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.12 min Scan# 611
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:136 Resp: 3988

Ion	Ratio	Lower	Upper
136	100		
137	13.8	9.5	14.3
54	50.4	29.1	43.7#
68	10.4	6.2	9.2#



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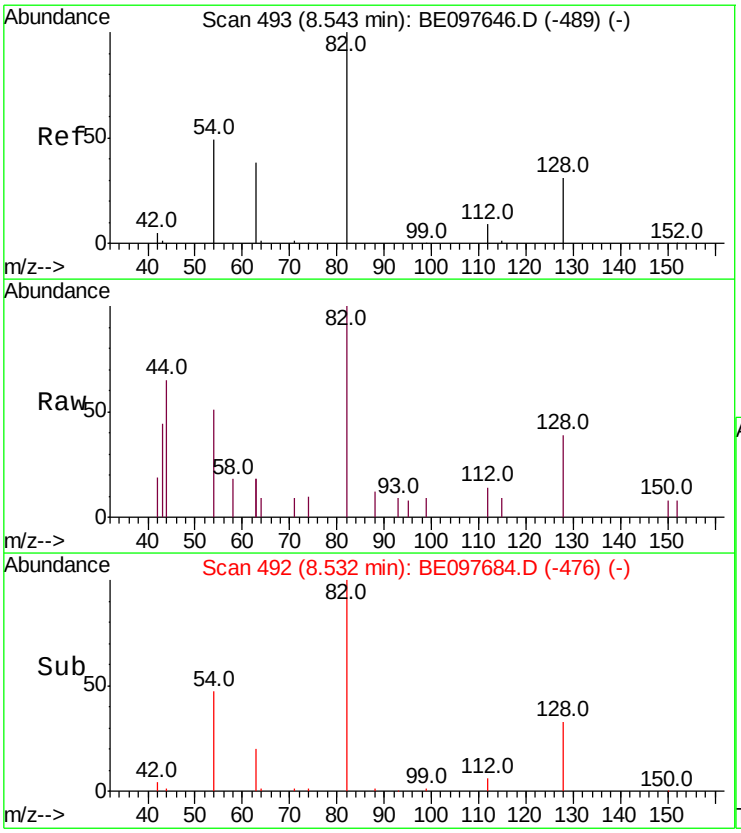
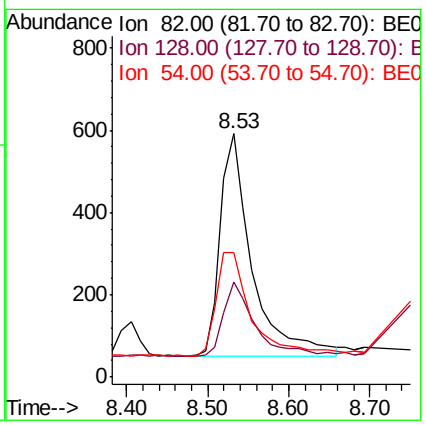
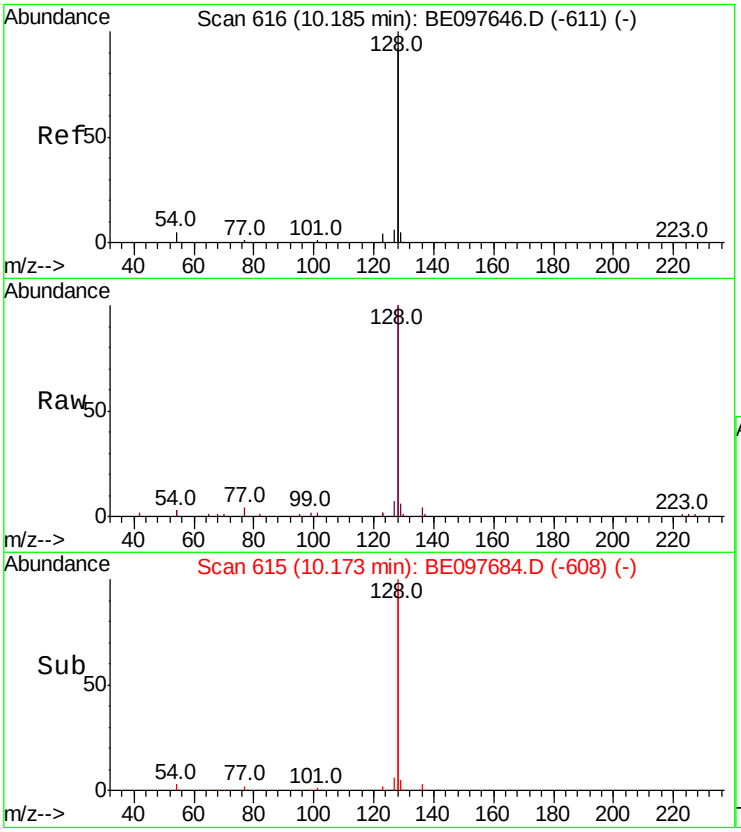


#8
Nitrobenzene-d5
Concen: 0.572 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion: 82 Resp: 1472

Ion	Ratio	Lower	Upper
82	100		
128	39.0	24.0	36.0#
54	51.4	40.0	60.0

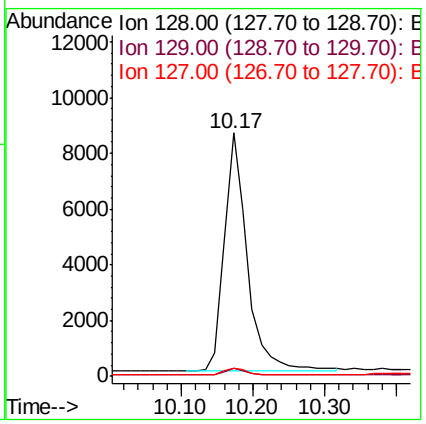




#9
Naphthalene
Concen: 0.514 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:128 Resp: 18644

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.5	2.8	4.2



Instrument :
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ClientSampleId :
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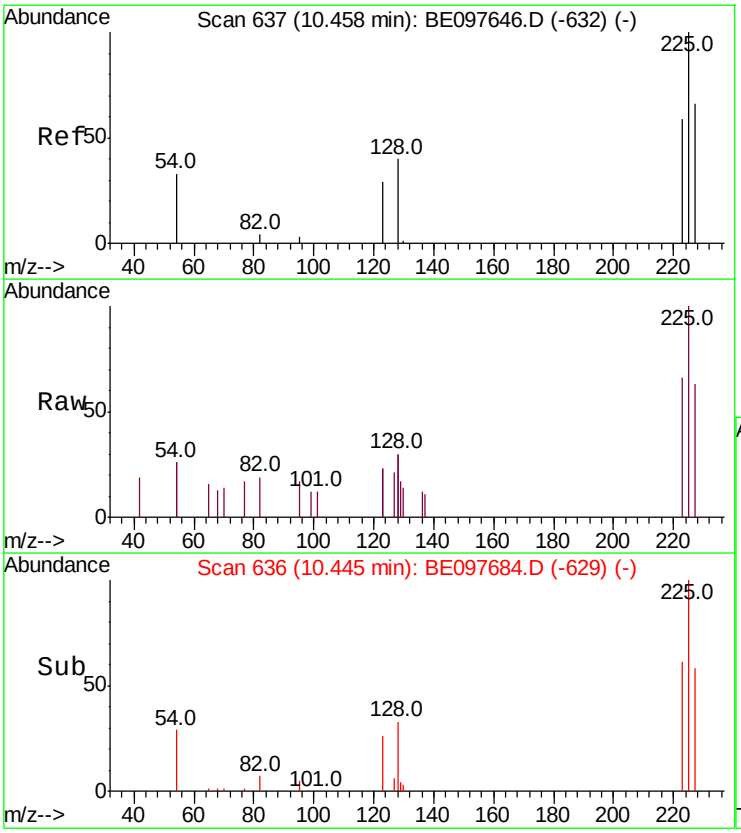
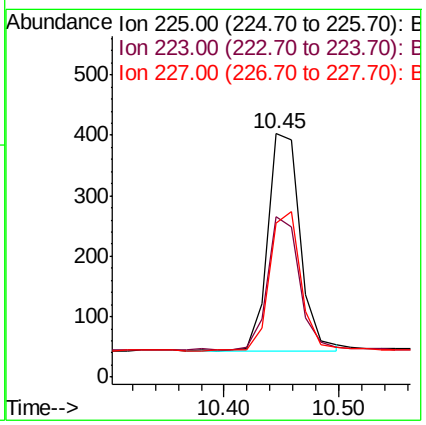
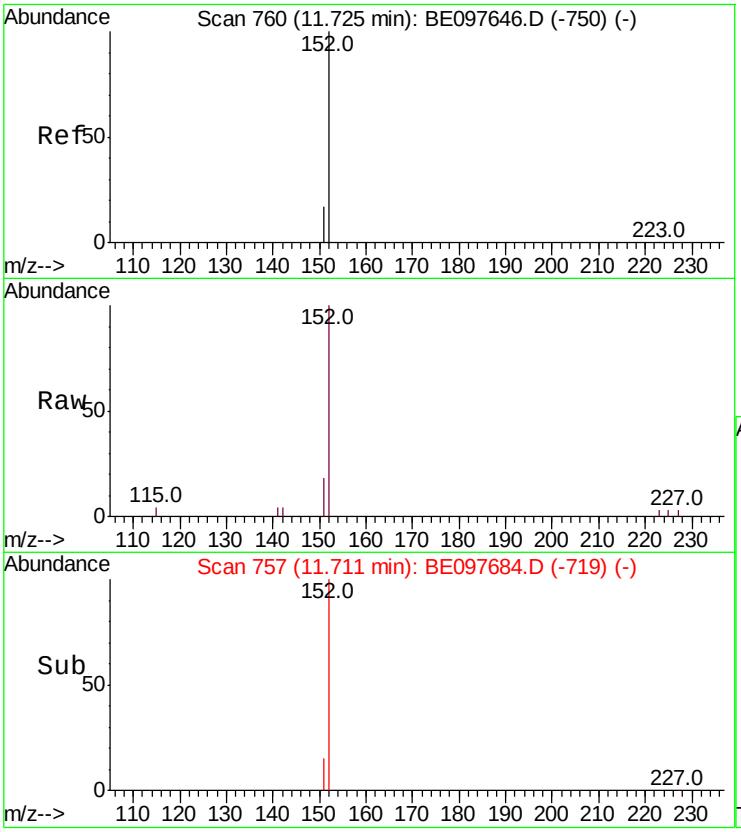


#10
Hexachlorobutadiene
Concen: 0.429 ng
RT: 10.45 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:225 Resp: 708

Ion	Ratio	Lower	Upper
225	100		
223	60.9	53.0	79.6
227	61.9	51.4	77.2





#11
2-Methylnaphthalene-d10
Concen: 0.524 ng
RT: 11.71 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:152 Resp: 3094

Ion	Ratio	Lower	Upper
152	100		
151	15.0	15.4	23.0#

Instrument :
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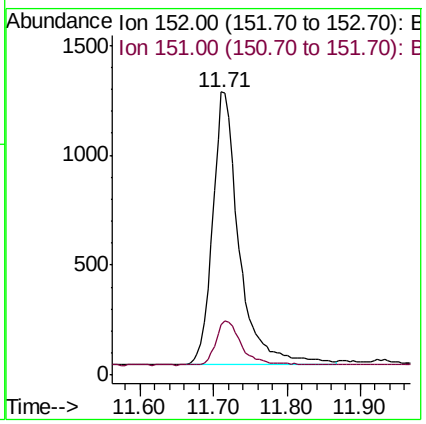
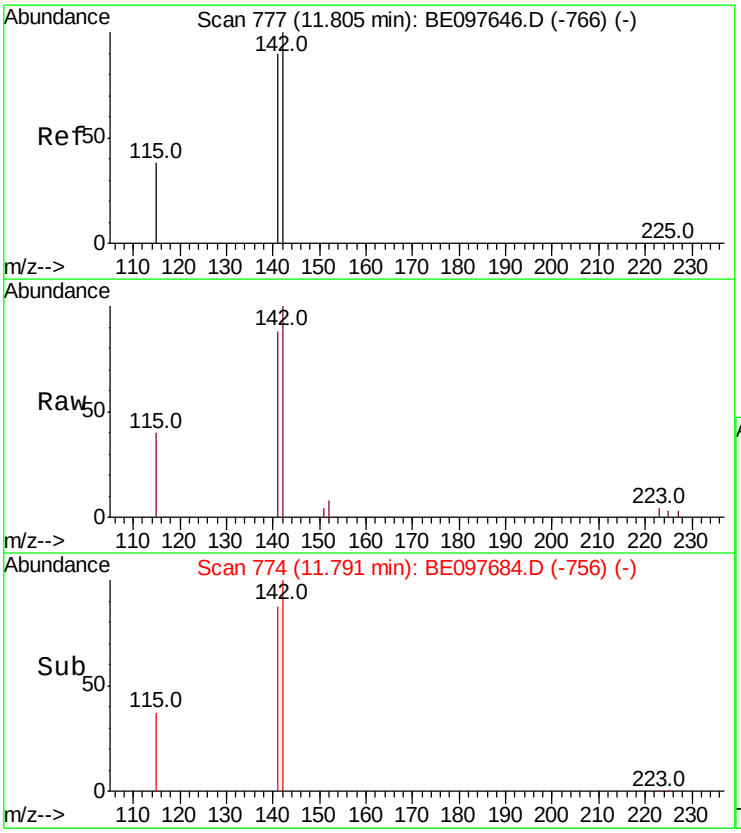
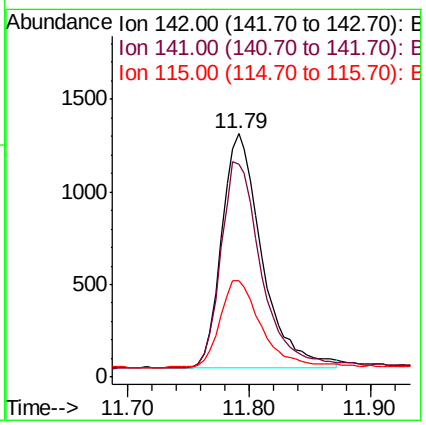


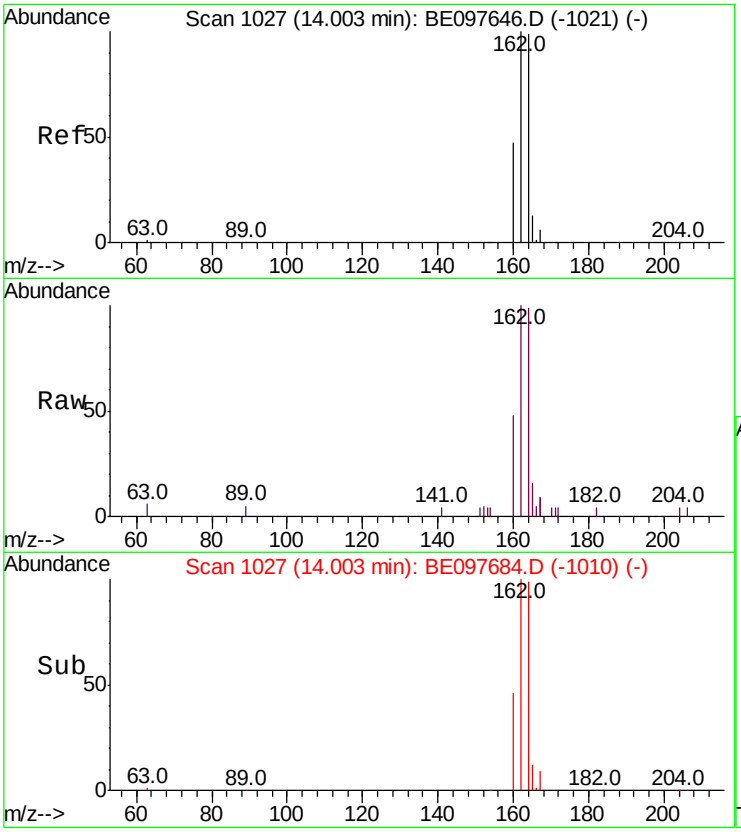


#12
2-Methylnaphthalene
Concen: 0.503 ng
RT: 11.79 min Scan# 774
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:142 Resp: 2887

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	39.8	31.7	47.5

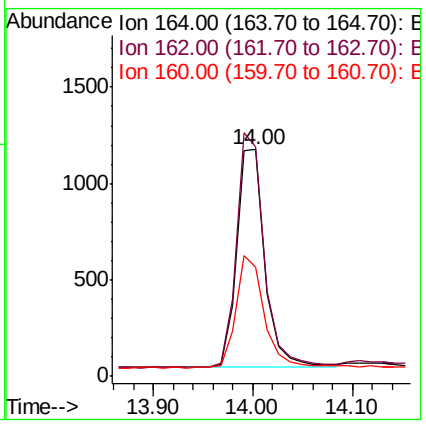




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:164 Resp: 2215

Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.1	124.7
160	48.3	37.1	55.7



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Manual Integrations APPROVED
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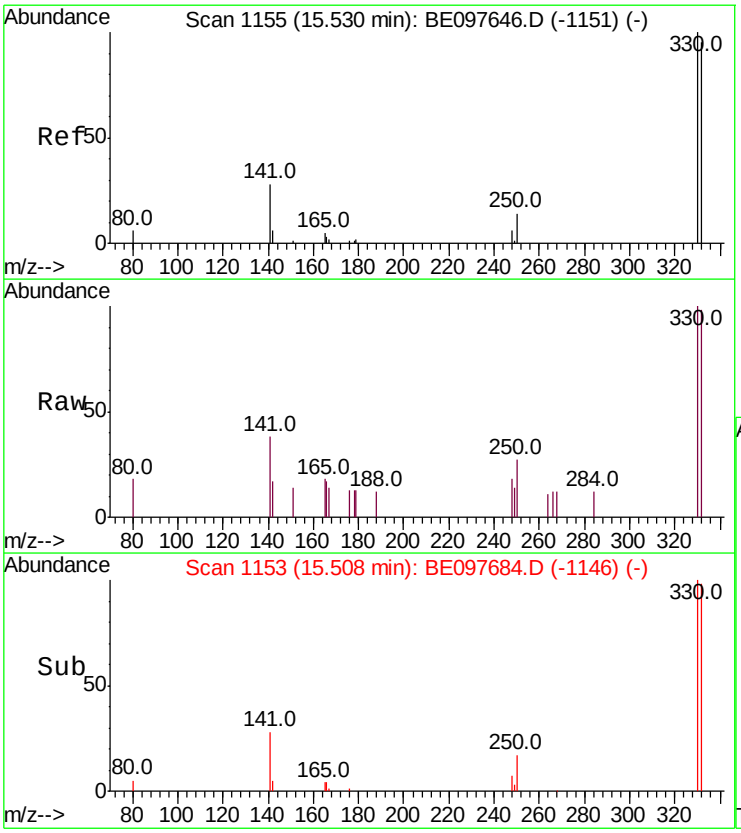
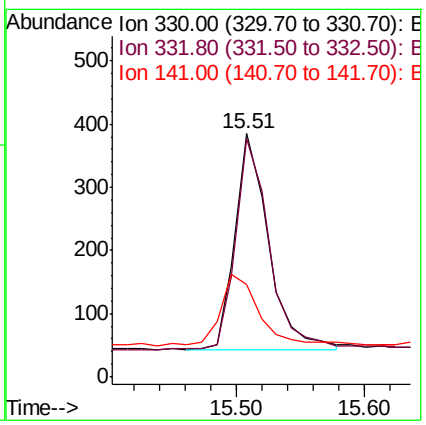
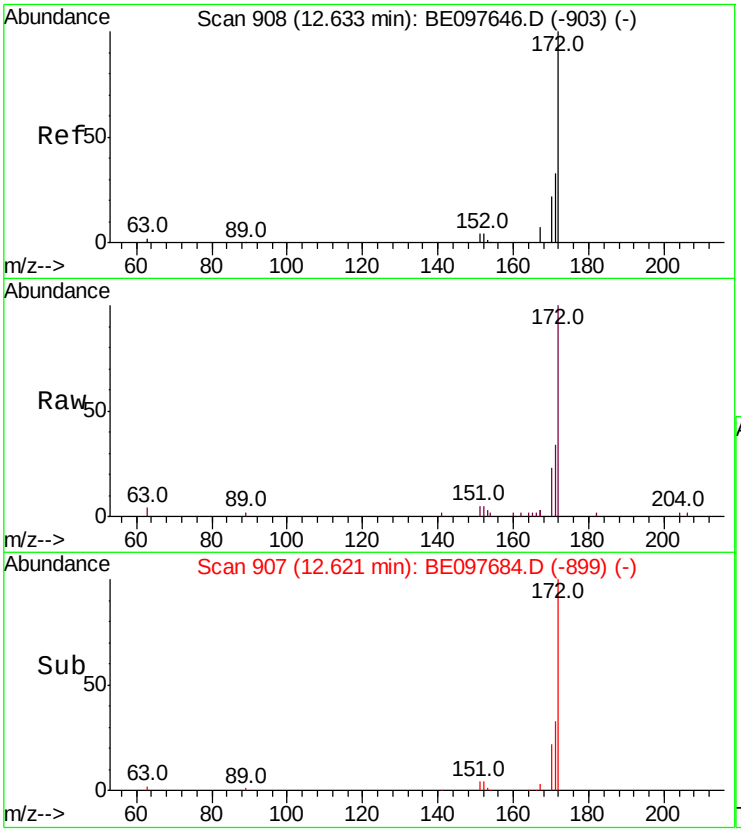


#14
2,4,6-Tribromophenol
Concen: 0.646 ng
RT: 15.51 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:330 Resp: 623

Ion	Ratio	Lower	Upper
330	100		
332	97.3	152.7	229.1#
141	35.6	33.7	50.5

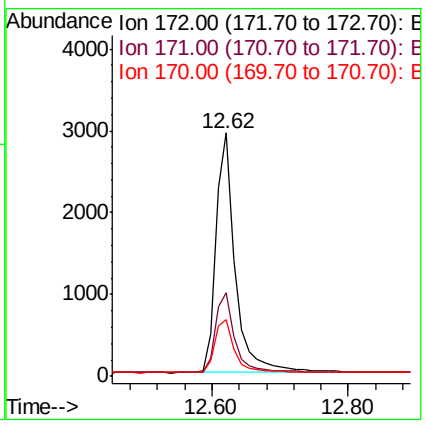




#15
2-Fluorobiphenyl
Concen: 0.812 ng
RT: 12.62 min Scan# 907
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:172 Resp: 5869

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.9	44.9
170	23.4	21.8	32.8



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ClientSampleId :
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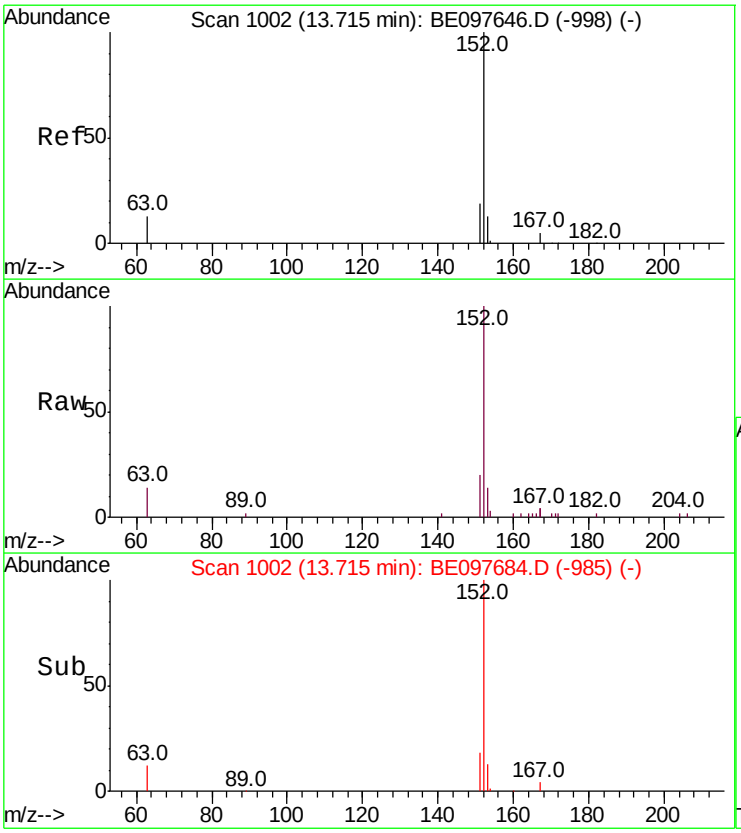
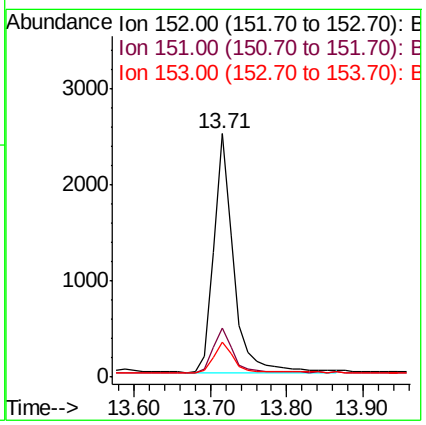
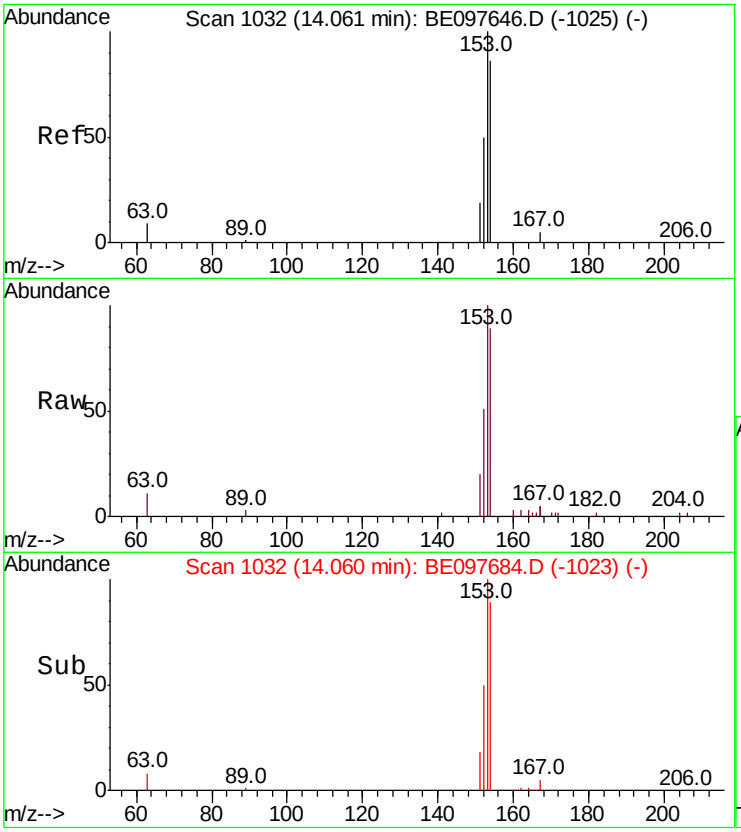


#16
Acenaphthylene
Concen: 0.501 ng
RT: 13.71 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:152 Resp: 4464

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.7	23.5
153	13.2	10.5	15.7

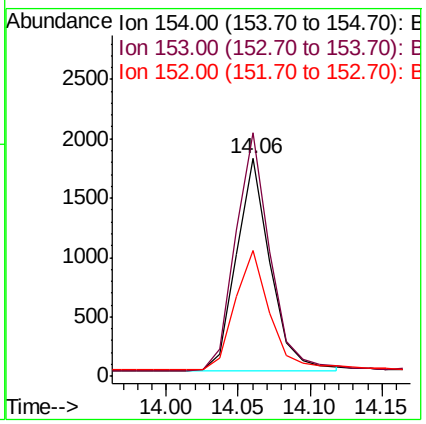




#17
Acenaphthene
Concen: 0.501 ng
RT: 14.06 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:154 Resp: 2913

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.2	133.8
152	57.8	42.0	63.0



Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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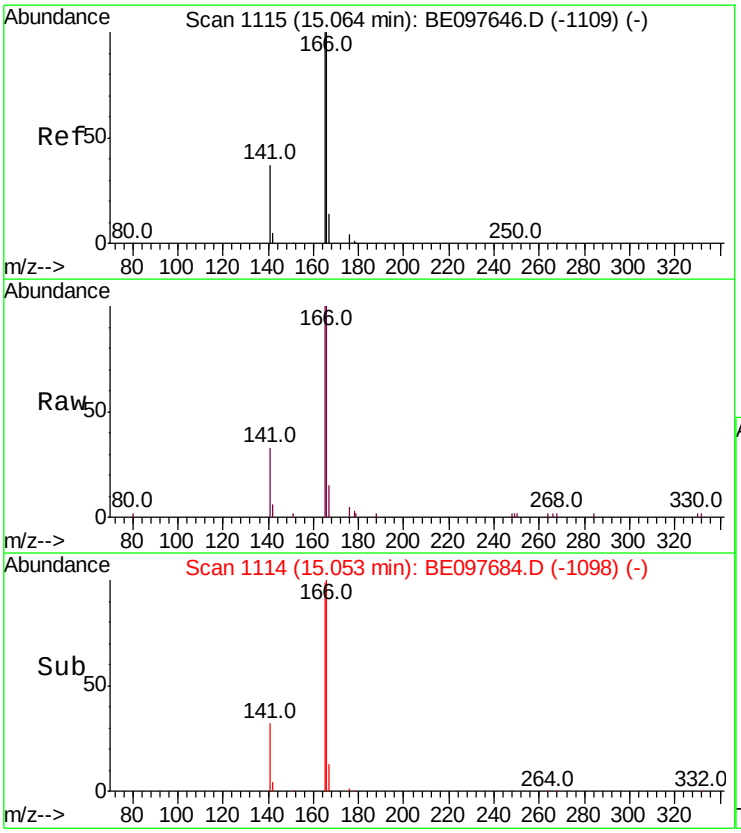
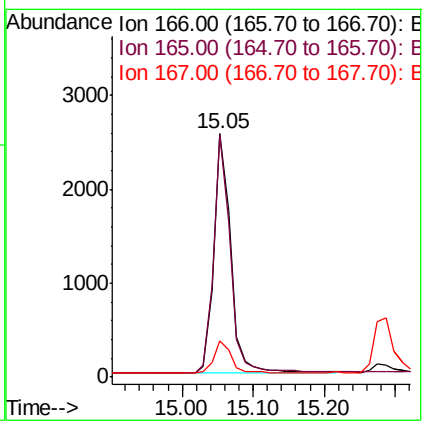
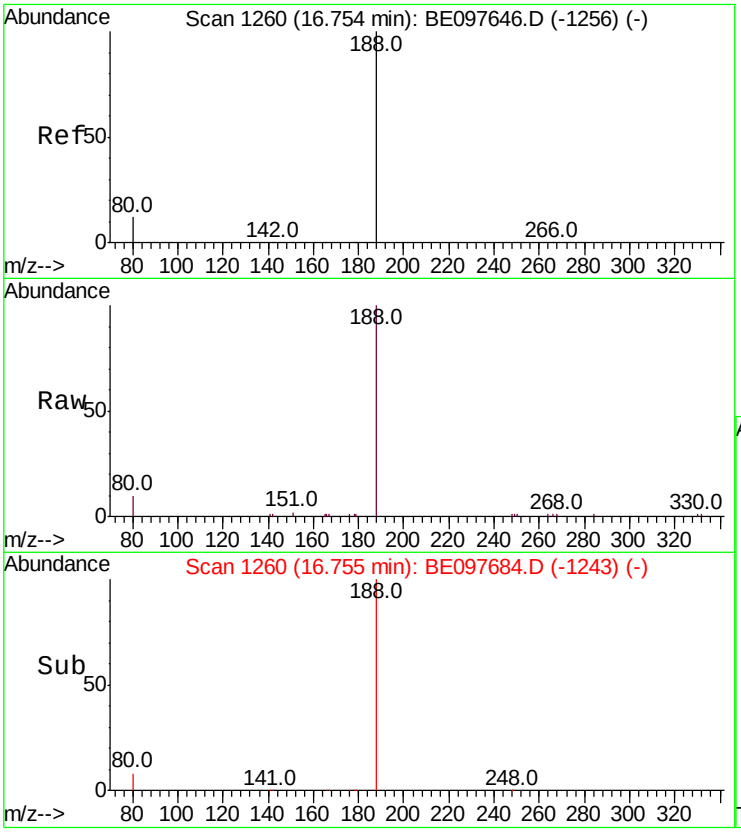


#18
Fluorene
Concen: 0.509 ng
RT: 15.05 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:166 Resp: 4166

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.6
167	13.4	42.4	63.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:188 Resp: 6379

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.6	3.6	5.4#

Instrument :
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ClientSampleId :
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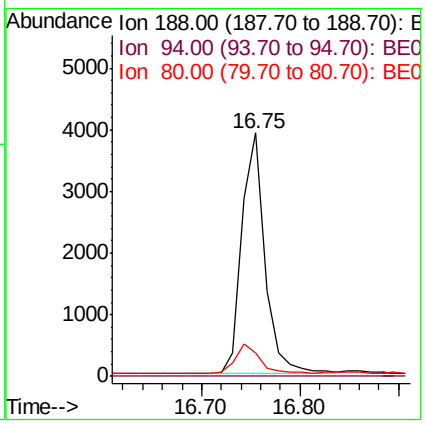
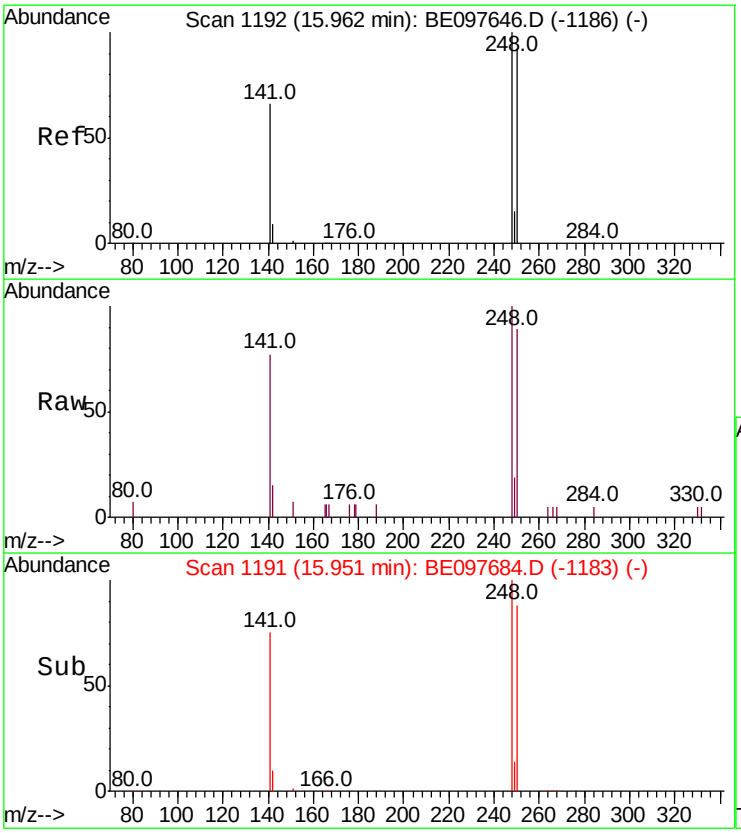
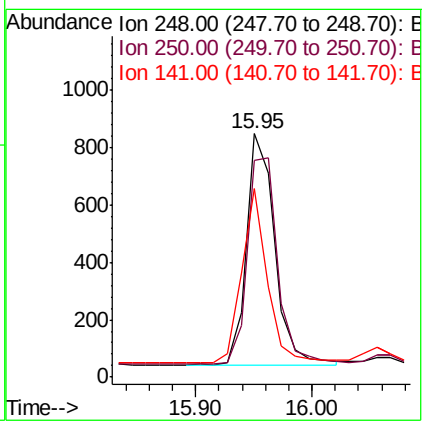


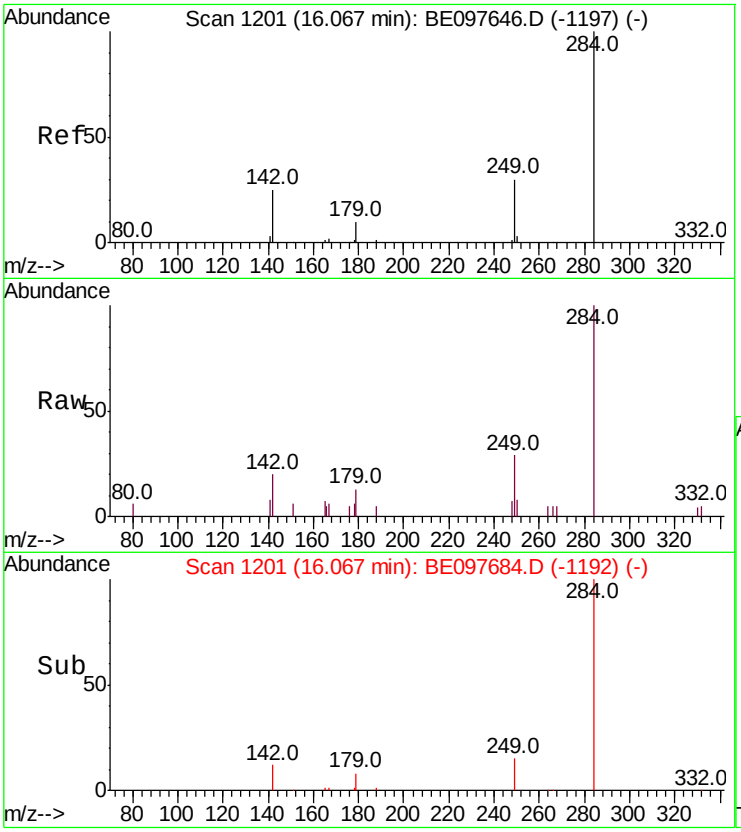


#20
4-Bromophenyl-phenylether
Concen: 0.481 ng
RT: 15.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:248 Resp: 1361

Ion	Ratio	Lower	Upper
248	100		
250	89.0	62.7	94.1
141	77.5	48.2	72.2#





#21
Hexachlorobenzene
Concen: 0.452 ng
RT: 16.07 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:284 Resp: 1473

Ion	Ratio	Lower	Upper
284	100		
142	31.8	22.1	33.1
249	29.8	34.8	52.2#

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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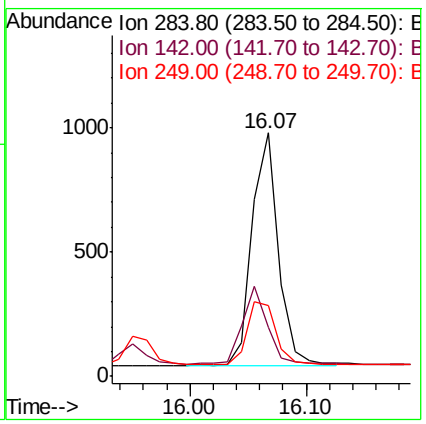
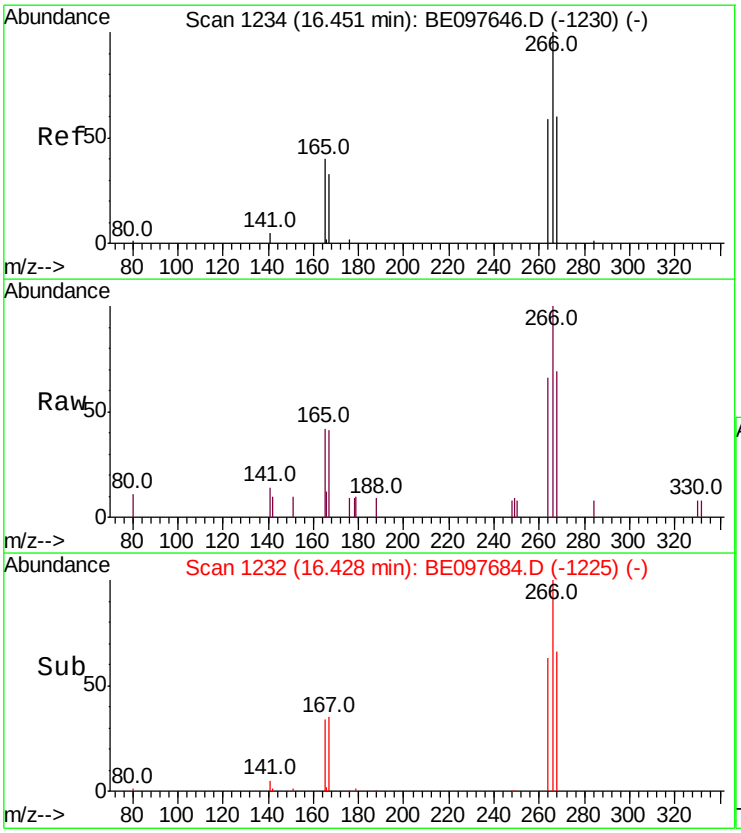
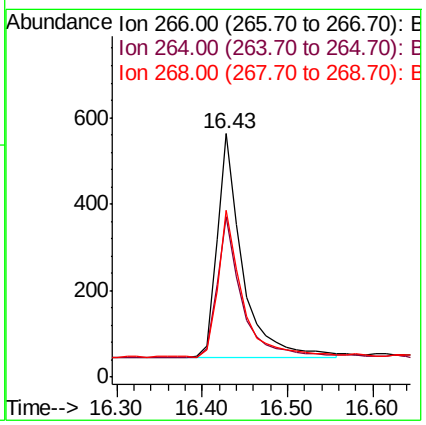


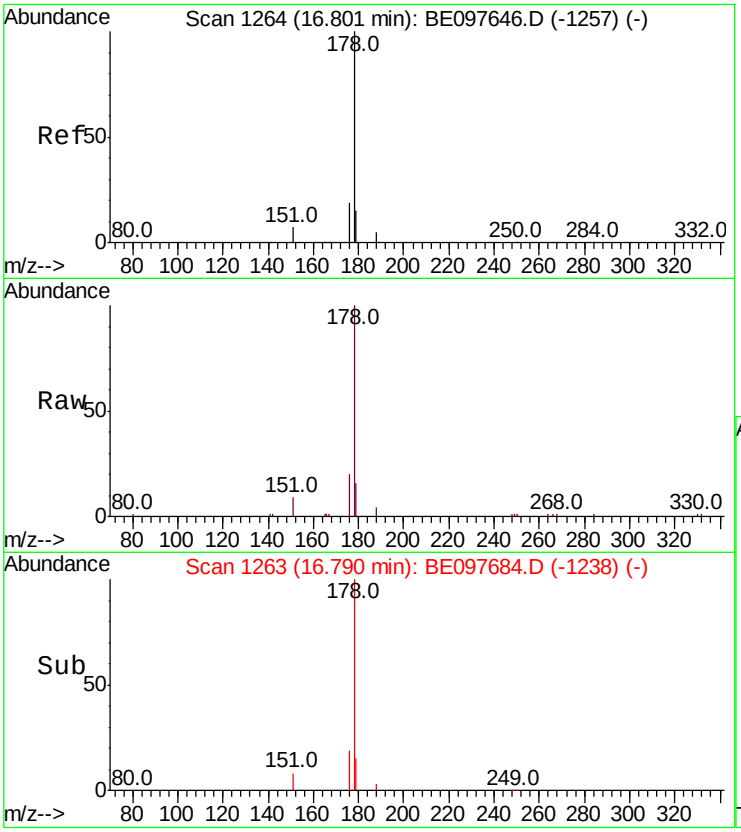


#22
Pentachlorophenol
Concen: 1.313 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:266 Resp: 1068

Ion	Ratio	Lower	Upper
266	100		
264	65.9	72.5	108.7#
268	68.7	73.8	110.6#

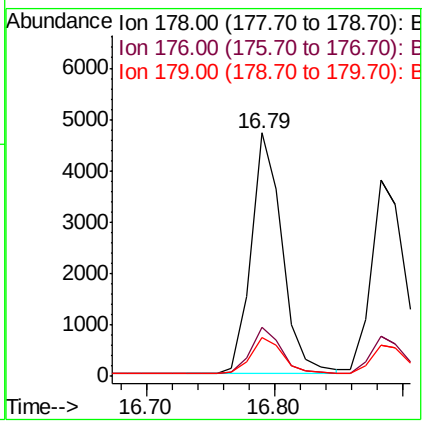




#23
Phenanthrene
Concen: 0.526 ng
RT: 16.79 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:178 Resp: 7931

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	11.8	17.6



Instrument :
BNA_E
ClientSampleId :
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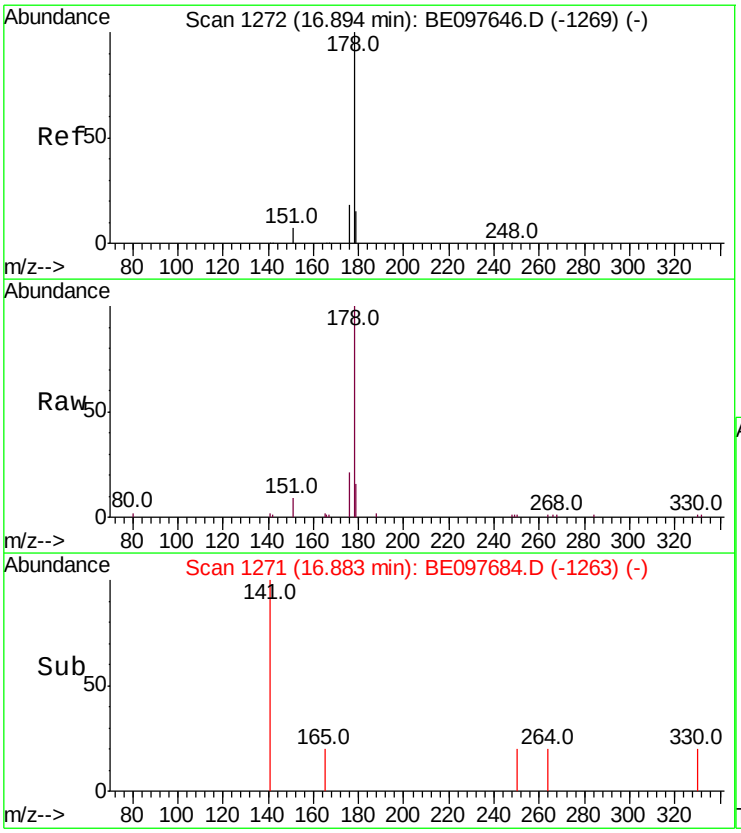
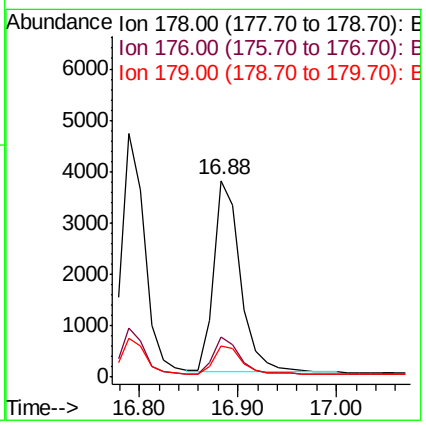
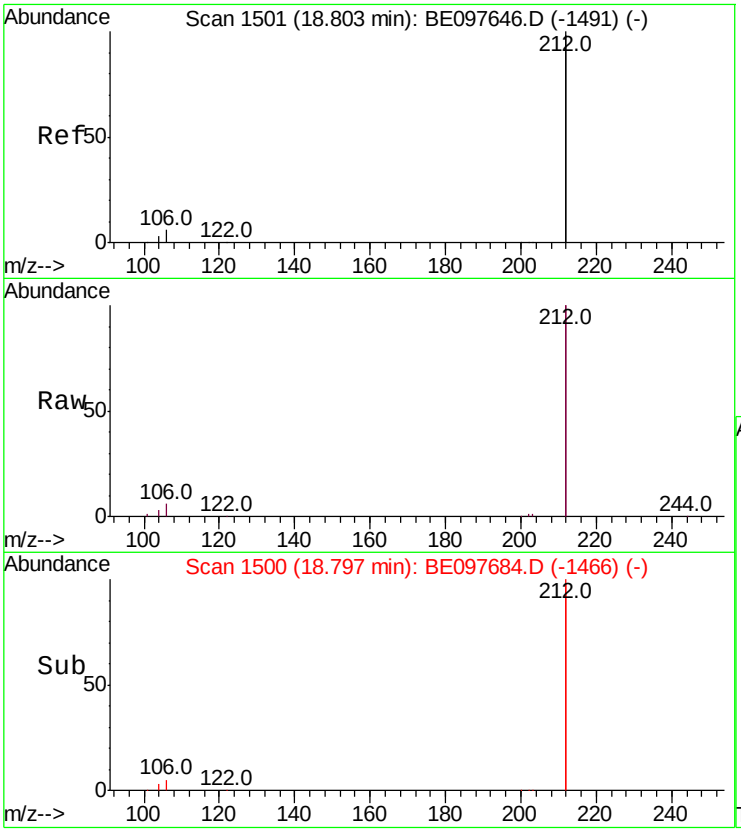


#24
Anthracene
Concen: 0.559 ng
RT: 16.88 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:178 Resp: 7009

Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	14.9	13.0	19.6

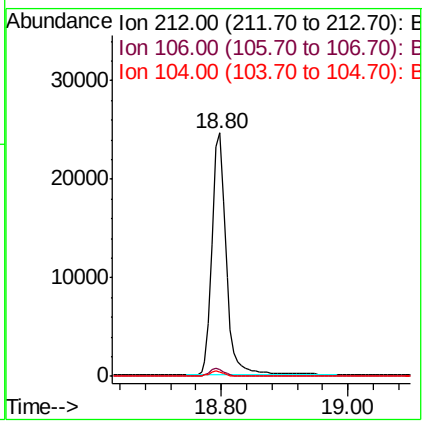




#25
Fluoranthene-d10
Concen: 0.536 ng
RT: 18.80 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:212 Resp: 37255

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.8	1.6	2.4



Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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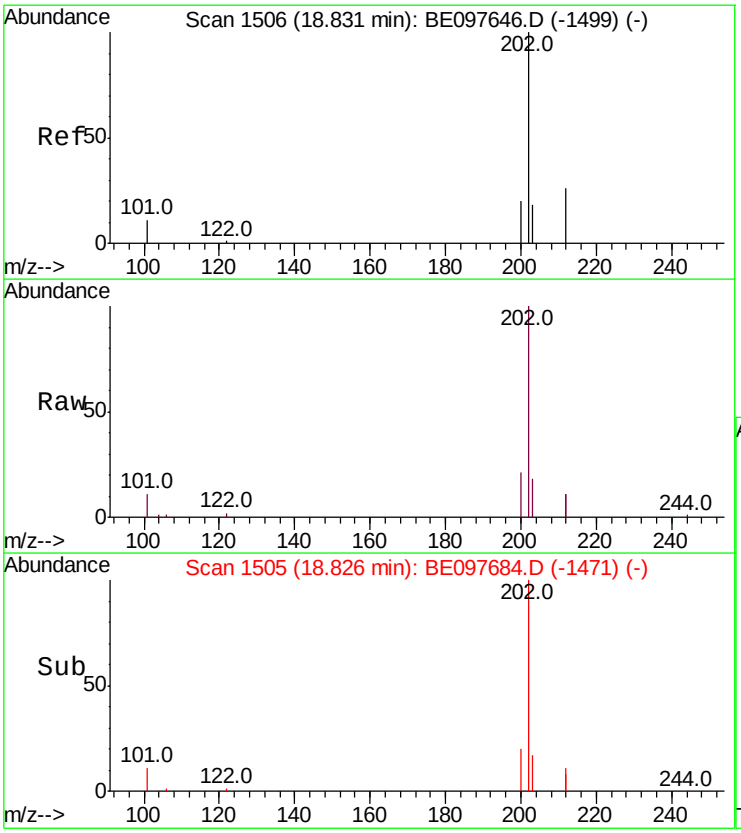
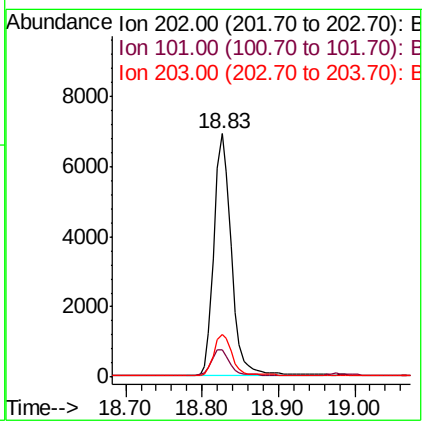
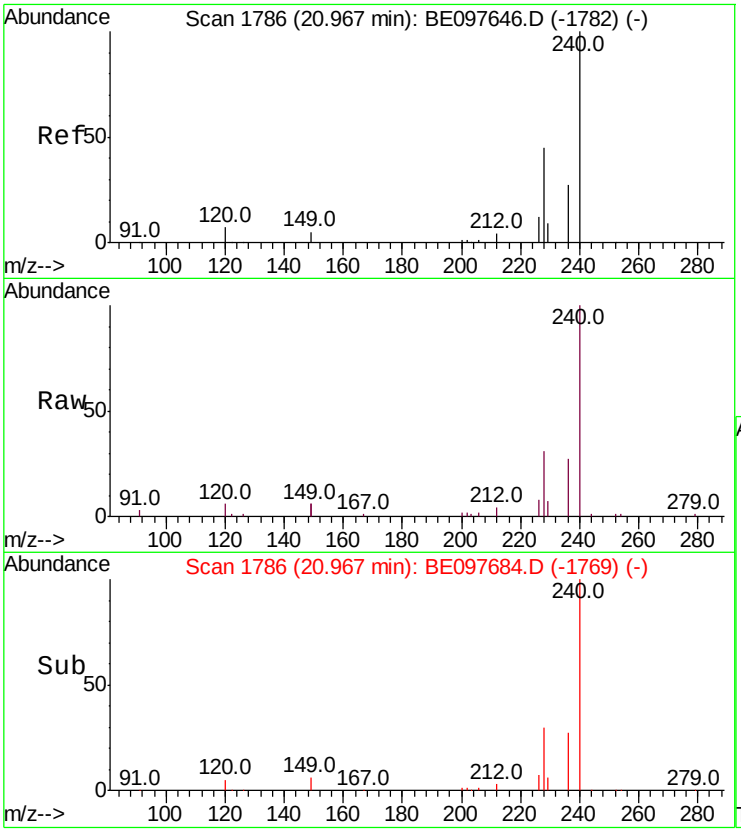


#26
Fluoranthene
Concen: 0.599 ng
RT: 18.83 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:202 Resp: 10841

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.8
203	17.1	13.7	20.5

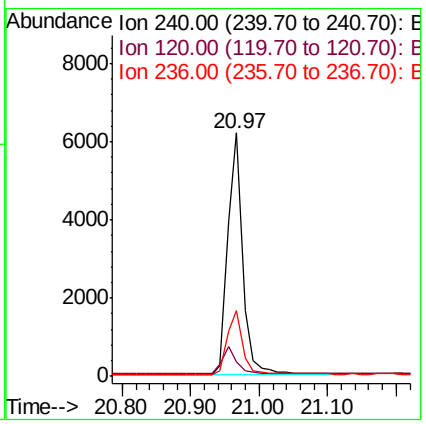




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:240 Resp: 9336

Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.5	8.3
236	27.2	20.7	31.1



Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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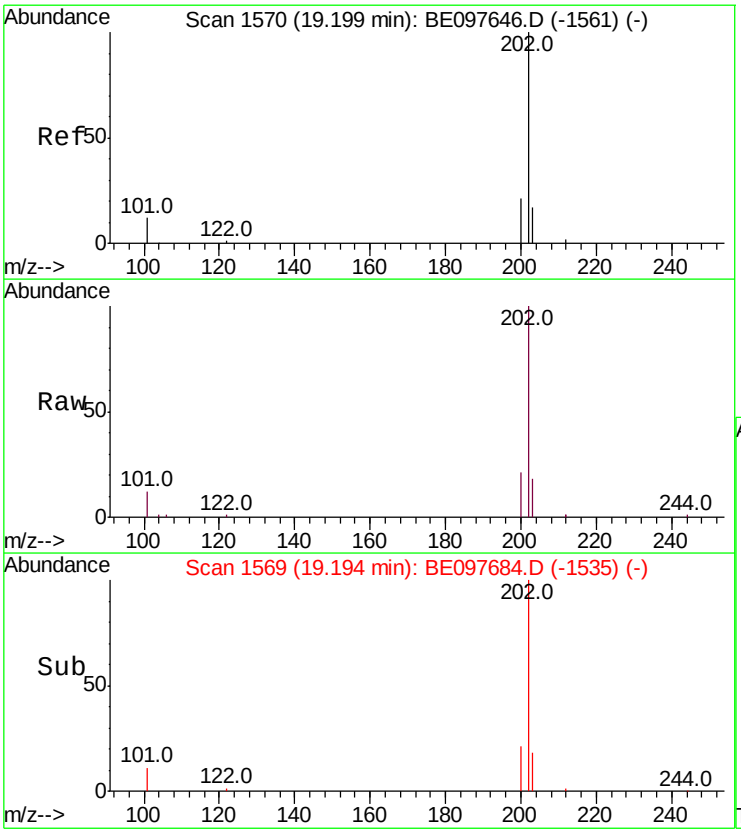
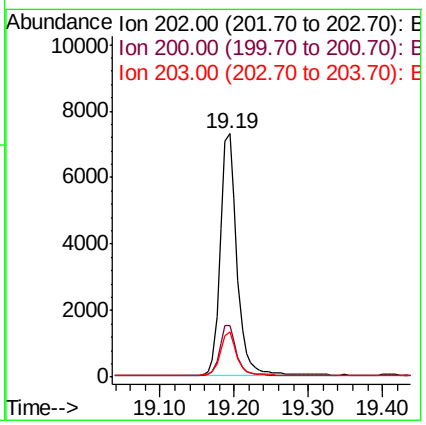
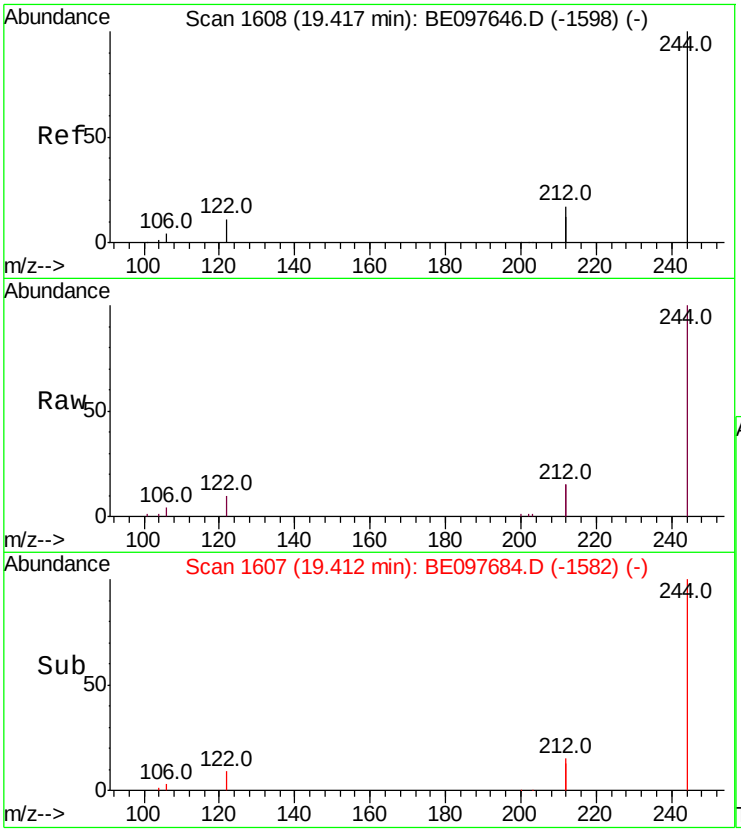


#28
Pyrene
Concen: 0.462 ng
RT: 19.19 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:202 Resp: 11249

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	17.8	13.8	20.8

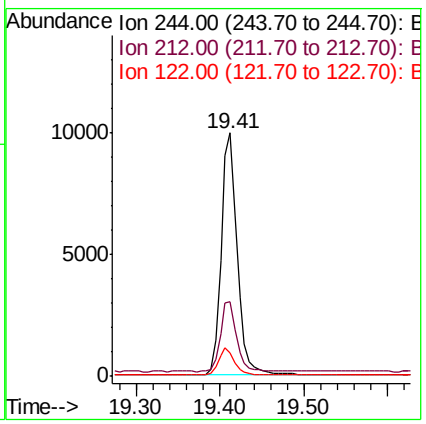




#29
Terphenyl-d14
Concen: 0.721 ng
RT: 19.41 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:244 Resp: 13245

Ion	Ratio	Lower	Upper
244	100		
212	30.5	25.4	38.0
122	9.7	8.1	12.1



Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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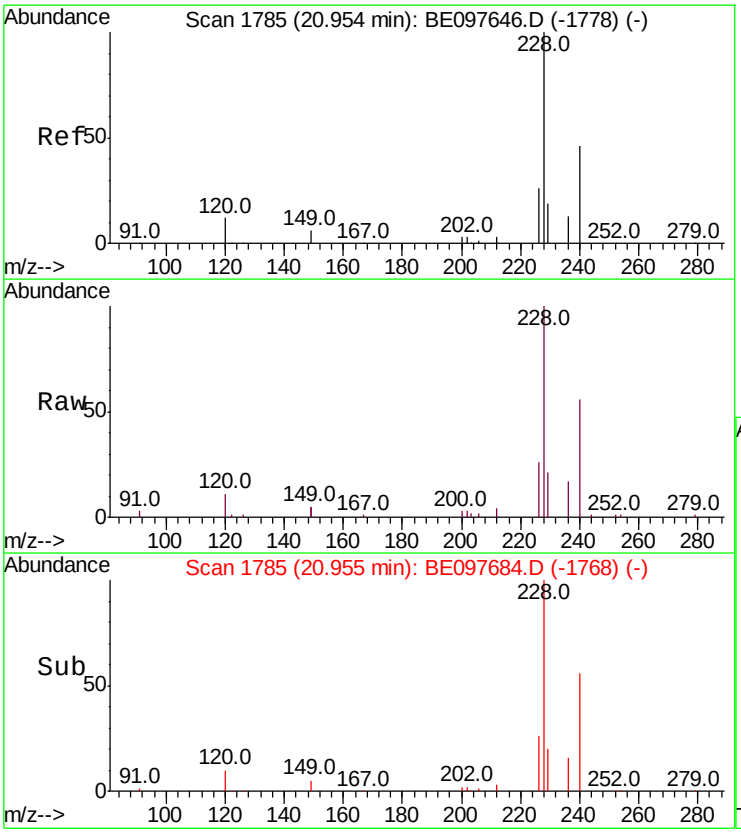
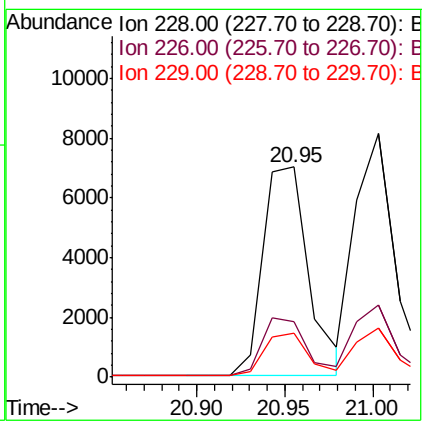
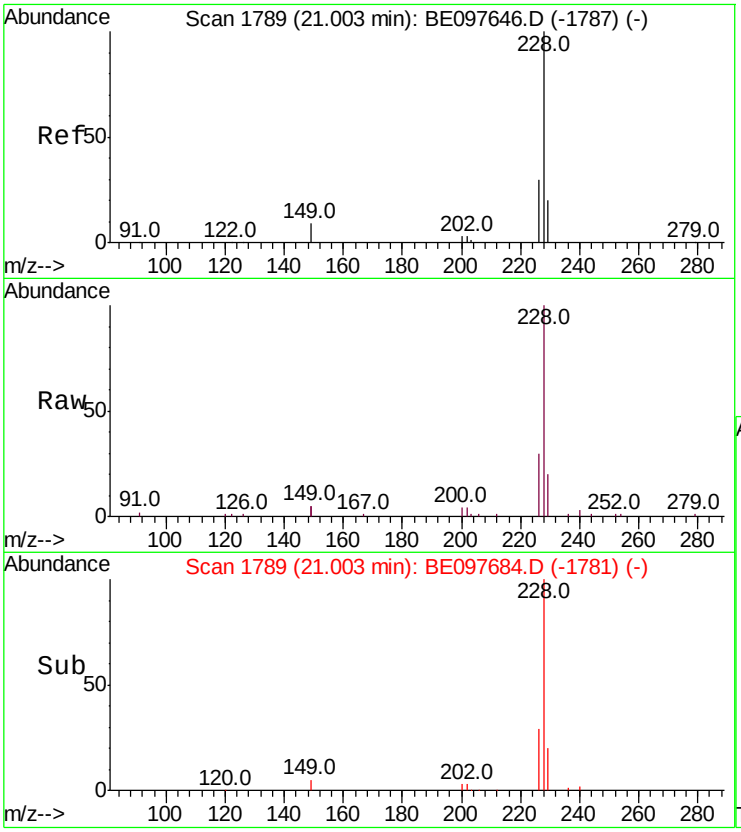


#30
Benzo(a)anthracene
Concen: 0.569 ng
RT: 20.95 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:228 Resp: 12555

Ion	Ratio	Lower	Upper
228	100		
226	26.4	24.0	36.0
229	20.9	16.0	24.0

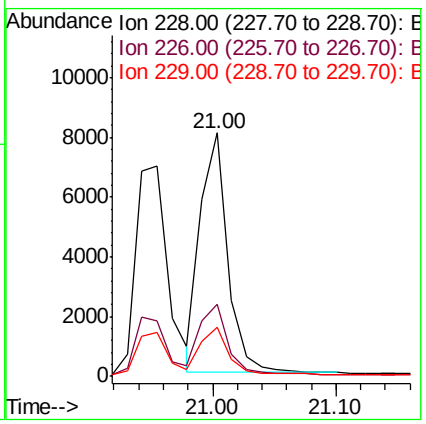




#31
Chrysene
Concen: 0.483 ng
RT: 21.00 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:228 Resp: 12469

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	20.3	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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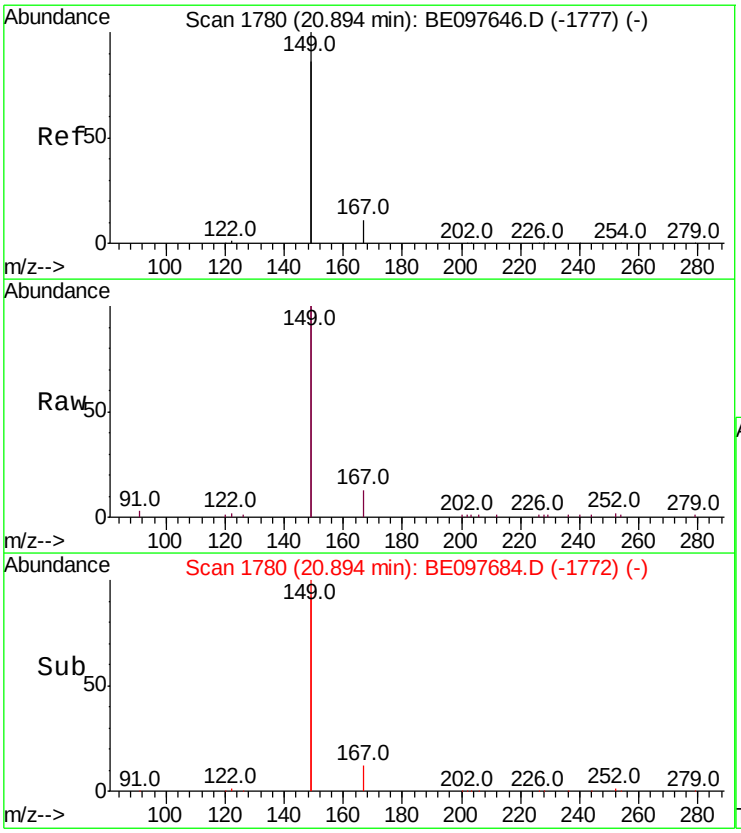
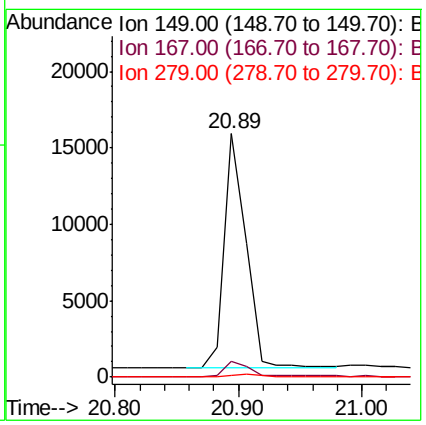
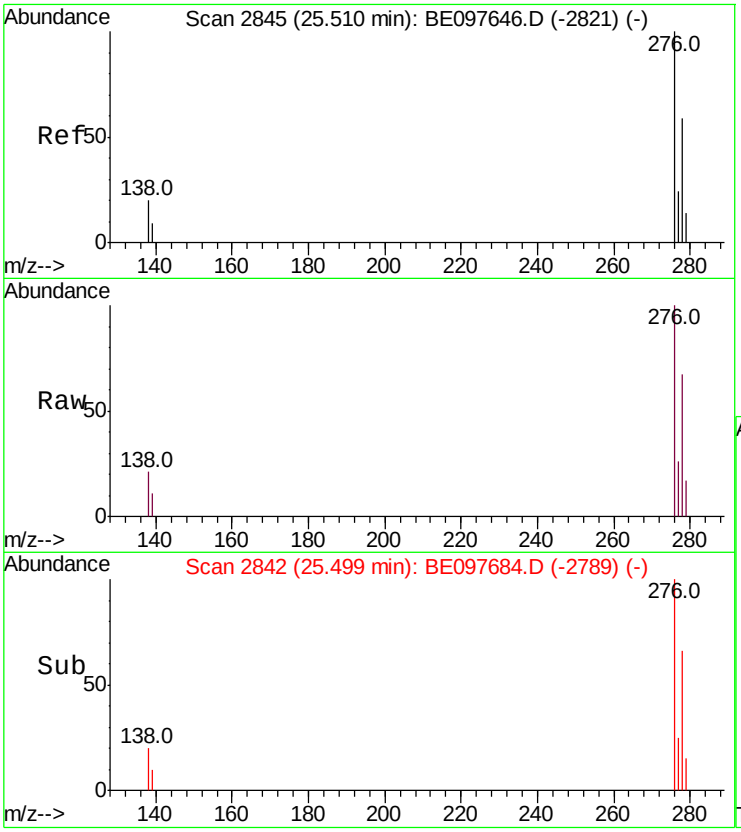


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.747 ng
RT: 20.89 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:149 Resp: 18823

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.0	0.7	1.1





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.557 ng
RT: 25.50 min Scan# 2842
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:276 Resp: 15163

Ion	Ratio	Lower	Upper
276	100		
138	21.0	22.5	33.7#
277	24.7	19.9	29.9

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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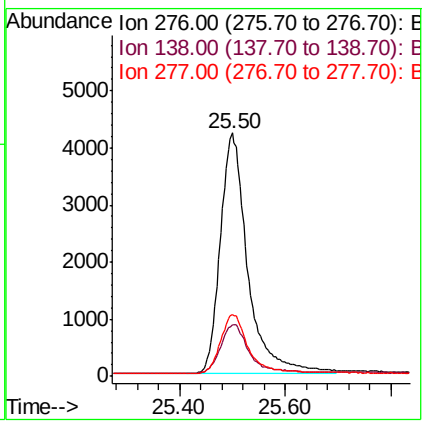
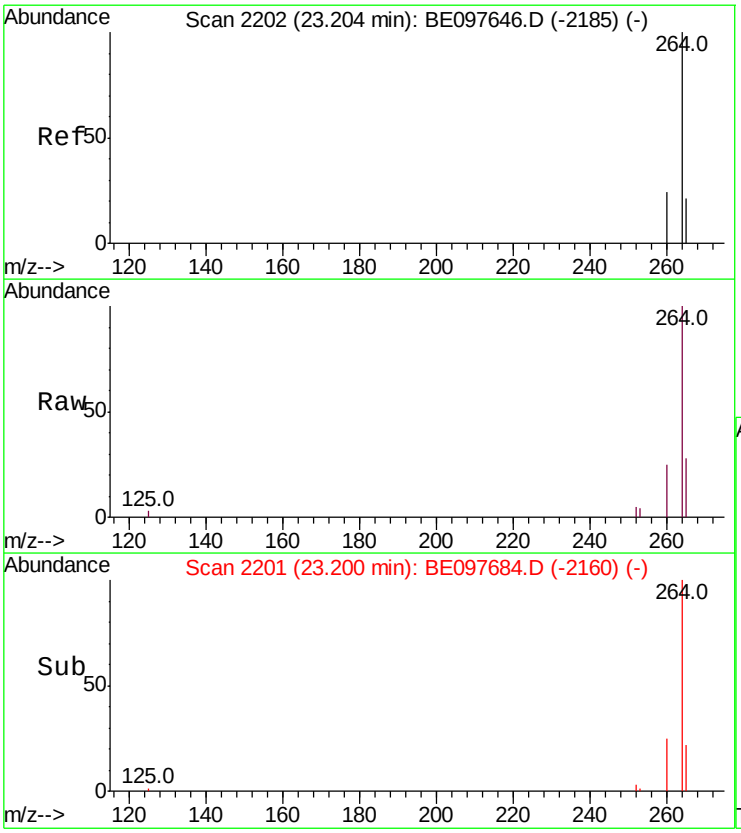
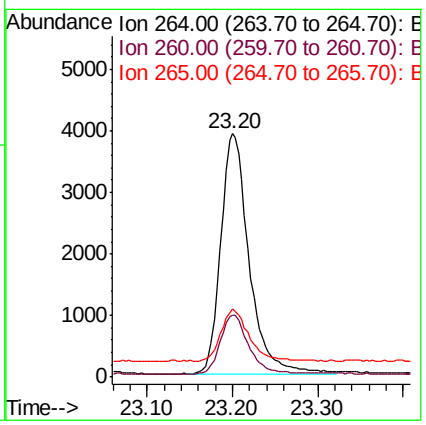


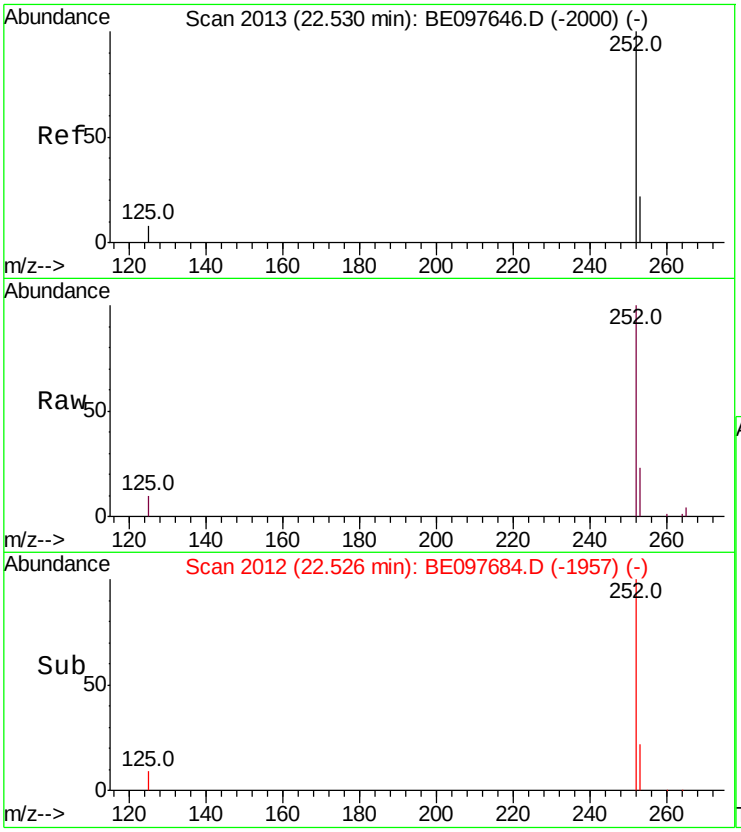


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:264 Resp: 9001

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.5	30.7
265	28.2	22.8	34.2





#35
Benzo(b)fluoranthene
Concen: 0.534 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:252 Resp: 12277

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.0	30.0
125	10.1	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
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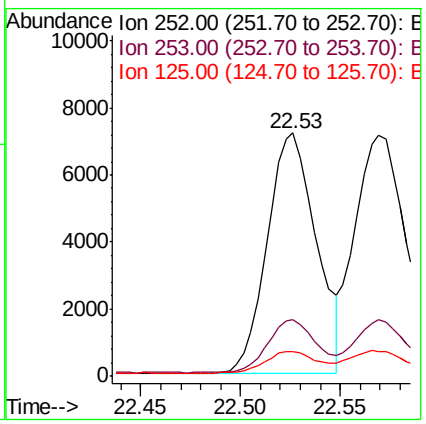
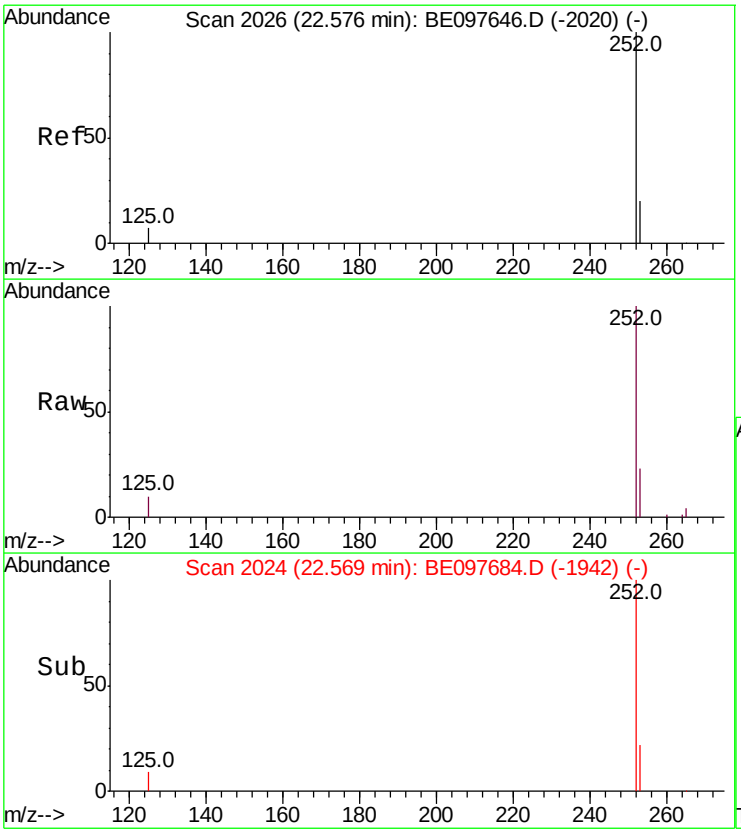
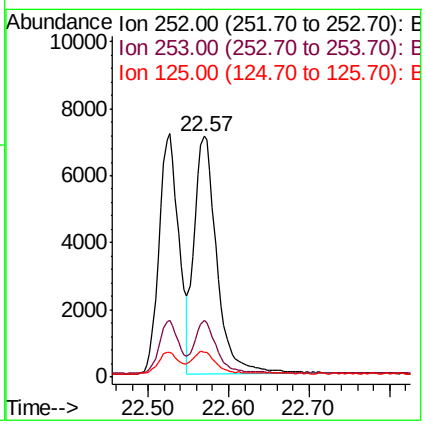


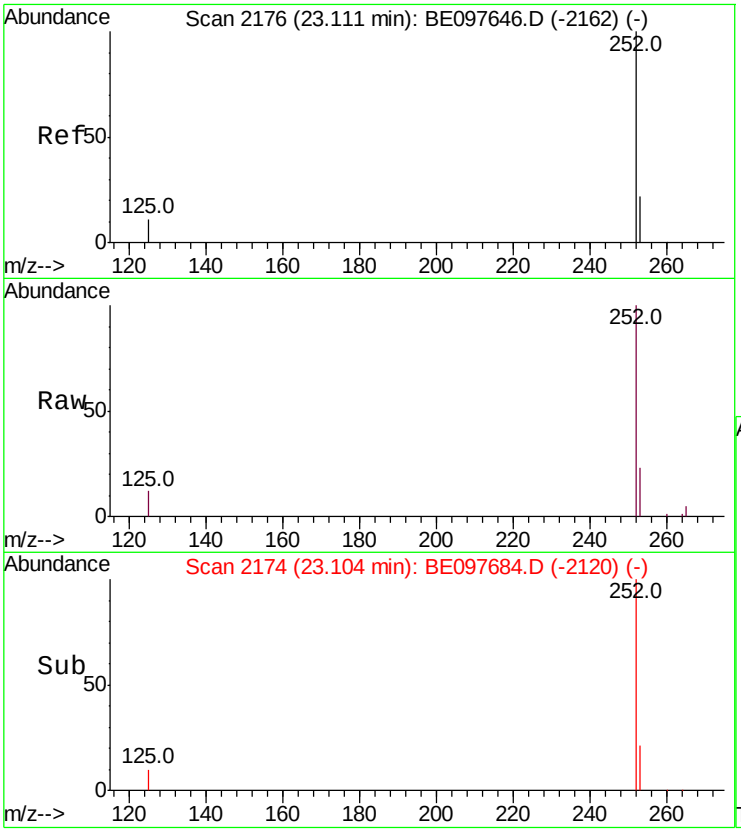


#36
Benzo(k)fluoranthene
Concen: 0.509 ng
RT: 22.57 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:252 Resp: 13868

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	10.4	8.0	12.0





#37
Benzo(a)pyrene
Concen: 0.532 ng
RT: 23.10 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:252 Resp: 12080

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	11.7	12.0	18.0#

Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

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Sohil
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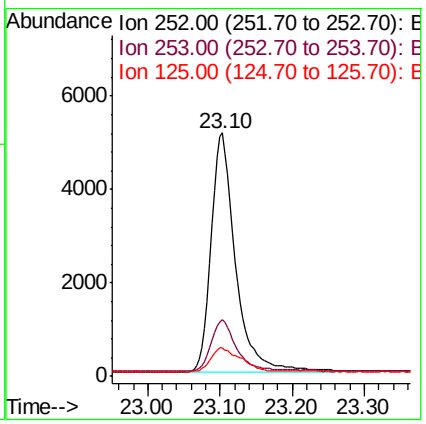
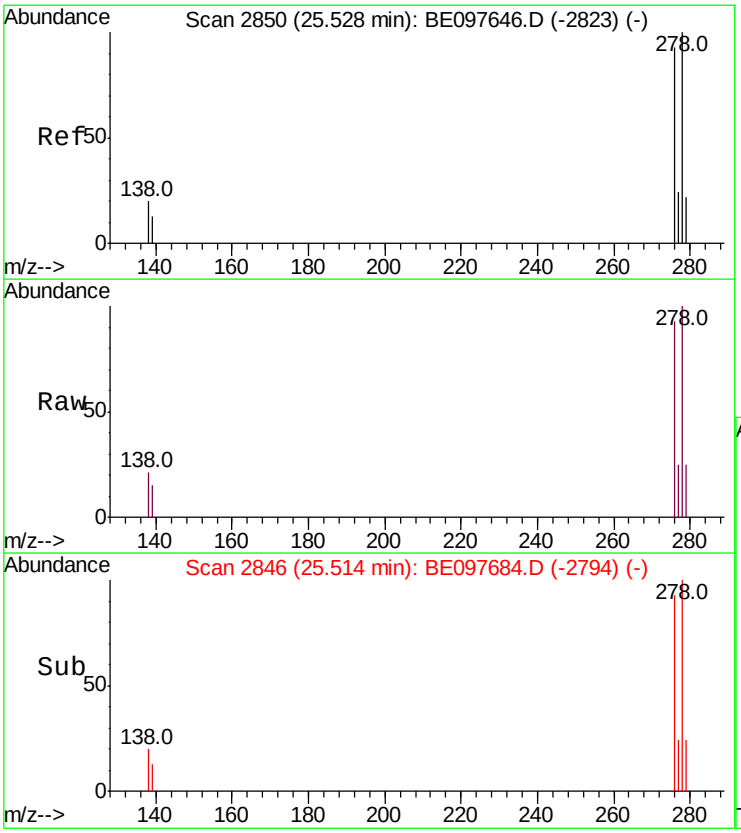
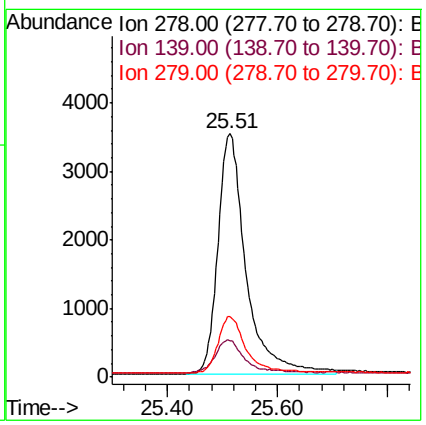


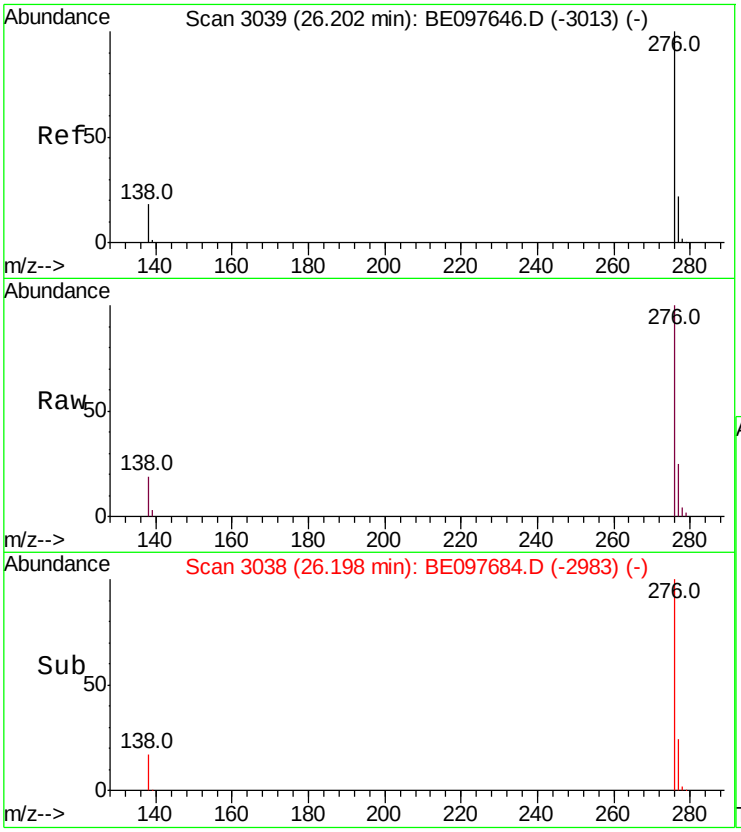


#38
Dibenzo(a,h)anthracene
Concen: 0.519 ng
RT: 25.51 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:278 Resp: 12400

Ion	Ratio	Lower	Upper
278	100		
139	14.7	16.0	24.0#
279	25.0	20.0	30.0

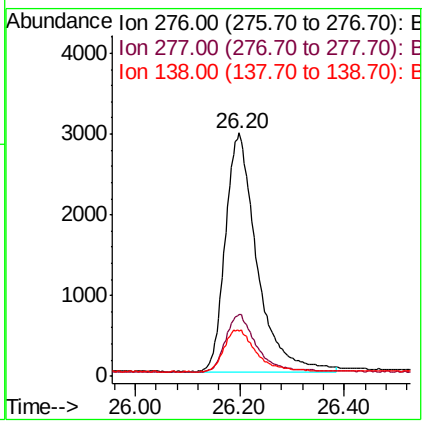




#39
Benzo(g,h,i)perylene
Concen: 0.521 ng
RT: 26.20 min Scan# 3038
Delta R.T. -0.00 min
Lab File: BE097684.D
Acq: 26 Sep 2018 12:13

Tgt Ion:276 Resp: 12380

Ion	Ratio	Lower	Upper
276	100		
277	25.4	16.0	24.0#
138	18.6	20.0	30.0#



Instrument :
BNA_E
ClientSampleId :
SA-PZ123I1-20180914MS

Manual Integrations APPROVED
Sohil
9/26/2018 6:07:35 PM