Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE020419\
Data File : BE098705.D
Acq On : 4 Feb 2019 13:09
Operator : JU/SJ
Sample : K1296-05MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

Manual Integrations APPROVED
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Quant Time: Feb 04 15:24:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 24 14:44:44 2019
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	965	0.40	ng	0.00
7) Naphthalene-d8	10.601	136	4172	0.40	ng	0.00
13) Acenaphthene-d10	14.470	164	2622	0.40	ng	0.00
19) Phenanthrene-d10	17.215	188	6322	0.40	ng	#-0.01
27) Chrysene-d12	21.403	240	7646	0.40	ng	#-0.01
34) Perylene-d12	23.919	264	7296	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.409	112	425	0.15	ng	0.00
5) Phenol-d6	6.987	99	406	0.10	ng	-0.01
8) Nitrobenzene-d5	8.977	82	1246	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.208	152	3017m	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.970	330	551	0.47	ng	-0.01
15) 2-Fluorobiphenyl	13.087	172	4265	0.38	ng	-0.02
25) Fluoranthene-d10	19.254	212	34325	0.38	ng	0.00
29) Terphenyl-d14	19.851	244	8259	0.43	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.313	88	649	0.35	ng	# 43
3) n-Nitrosodimethylamine	3.647	42	418	0.21	ng	# 13
6) bis(2-Chloroethyl)ether	7.229	93	947	0.33	ng	97
9) Naphthalene	10.653	128	15770	0.33	ng	100
10) Hexachlorobutadiene	10.926	225	903	0.28	ng	94
12) 2-Methylnaphthalene	12.280	142	2688	0.34	ng	98
16) Acenaphthylene	14.196	152	4217	0.31	ng	99
17) Acenaphthene	14.528	154	2630	0.33	ng	97
18) Fluorene	15.514	166	3614	0.33	ng	98
20) 4-Bromophenyl-phenylether	16.411	248	1276	0.34	ng	99
21) Hexachlorobenzene	16.532	284	1419	0.32	ng	97
22) Pentachlorophenol	16.880	266	980	0.87	ng	91
23) Phenanthrene	17.268	178	5934	0.34	ng	99
24) Anthracene	17.362	178	4972	0.35	ng	99
26) Fluoranthene	19.288	202	7783	0.35	ng	99
28) Pyrene	19.650	202	7897	0.32	ng	99
30) Benzo(a)anthracene	21.391	228	7801	0.34	ng	97
31) Chrysene	21.452	228	8297	0.33	ng	98
32) Bis(2-ethylhexyl)phtha...	21.319	149	16996	0.40	ng	100
33) Indeno(1,2,3-cd)pyrene	26.570	276	8200	0.31	ng	# 91
35) Benzo(b)fluoranthene	23.149	252	7737	0.33	ng	100
36) Benzo(k)fluoranthene	23.199	252	8593	0.34	ng	98
37) Benzo(a)pyrene	23.805	252	7550	0.33	ng	98
38) Dibenzo(a,h)anthracene	26.587	278	6521	0.31	ng	97
39) Benzo(g,h,i)perylene	27.372	276	7232	0.32	ng	99

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

Quantitation Report (QT Reviewed)

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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 24 14:44:44 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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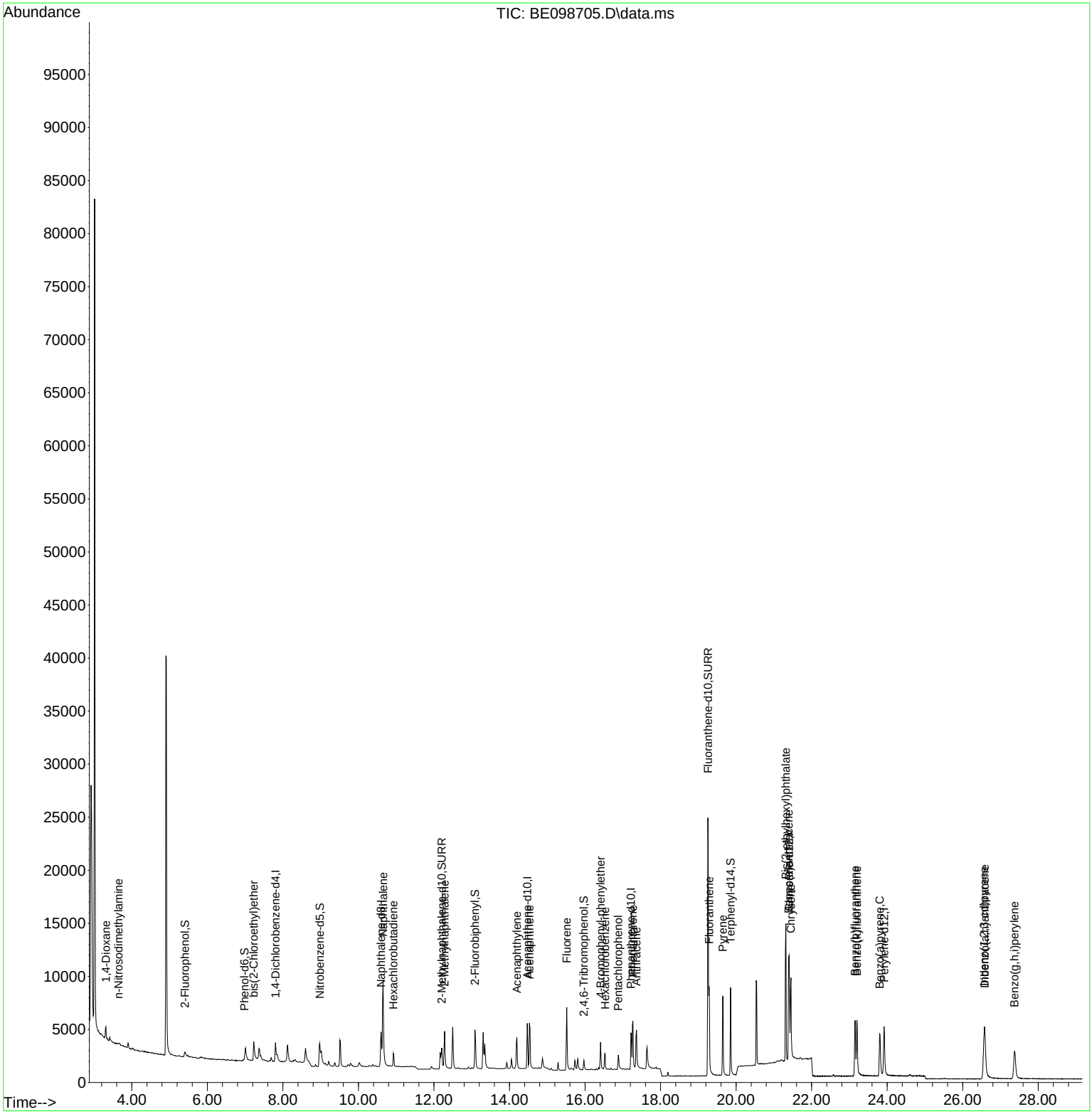
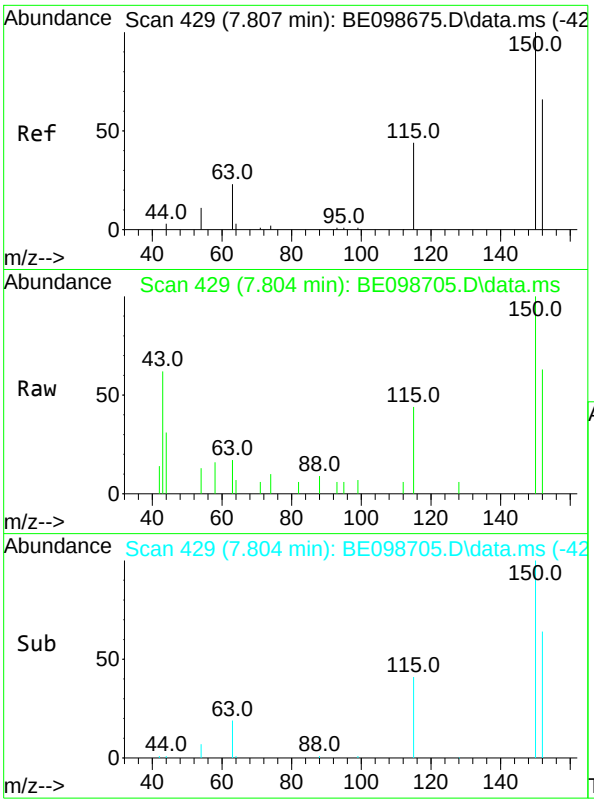
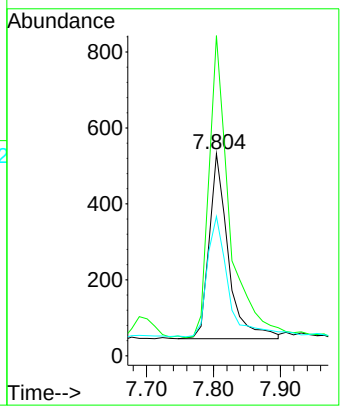




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.804 min Scan# 429
Delta R.T. -0.003 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:152 Resp: 965

Ion	Ratio	Lower	Upper
152	100		
150	158.5	121.4	182.2
115	69.0	59.1	88.7



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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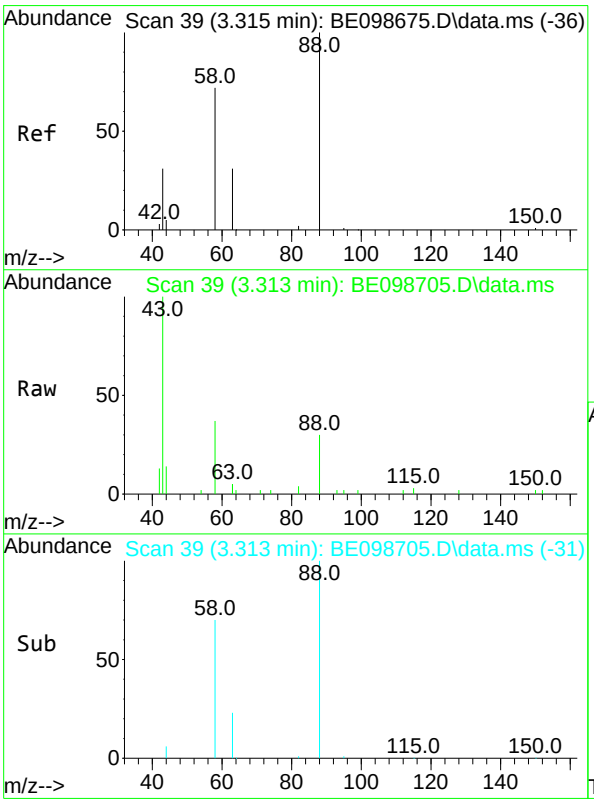
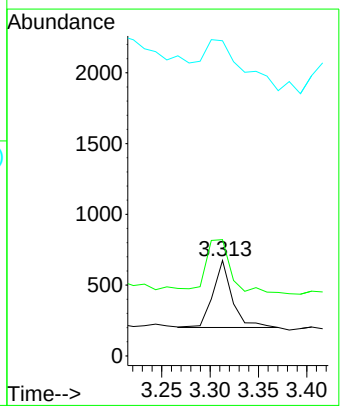
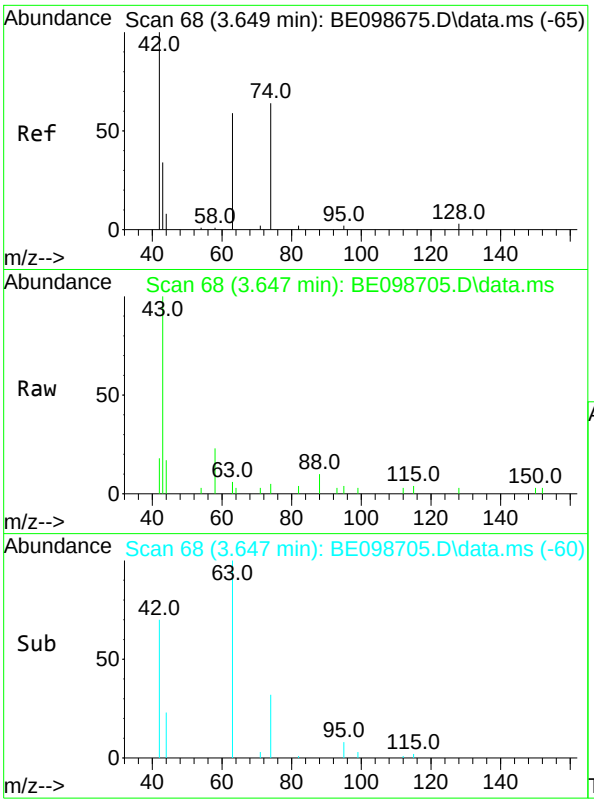


#2
1,4-Dioxane
Concen: 0.35 ng
RT: 3.313 min Scan# 39
Delta R.T. -0.002 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion: 88 Resp: 649

Ion	Ratio	Lower	Upper
88	100		
58	97.1	73.9	110.9
43	158.7	43.7	65.5#

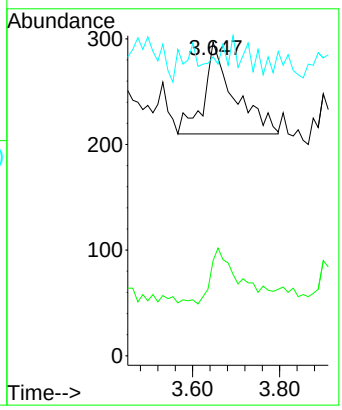


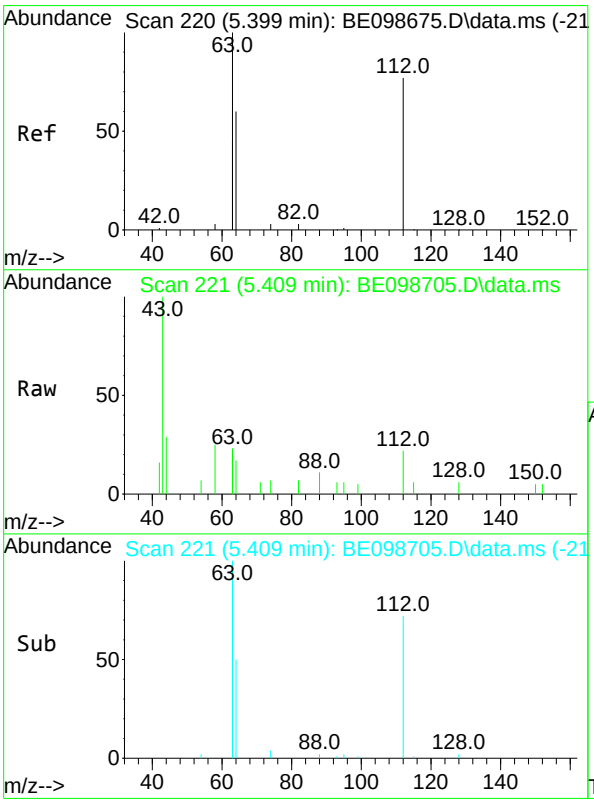


#3
n-Nitrosodimethylamine
Concen: 0.21 ng
RT: 3.647 min Scan# 68
Delta R.T. -0.002 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion: 42 Resp: 418

Ion	Ratio	Lower	Upper
42	100		
74	0.0	58.9	88.3#
44	0.0	0.0	0.0

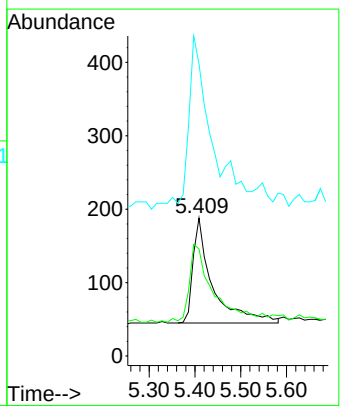




#4
2-Fluorophenol
Concen: 0.15 ng
RT: 5.409 min Scan# 221
Delta R.T. 0.010 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:112 Resp: 425

Ion	Ratio	Lower	Upper
112	100		
64	89.2	62.9	94.3
63	174.4	152.2	228.4



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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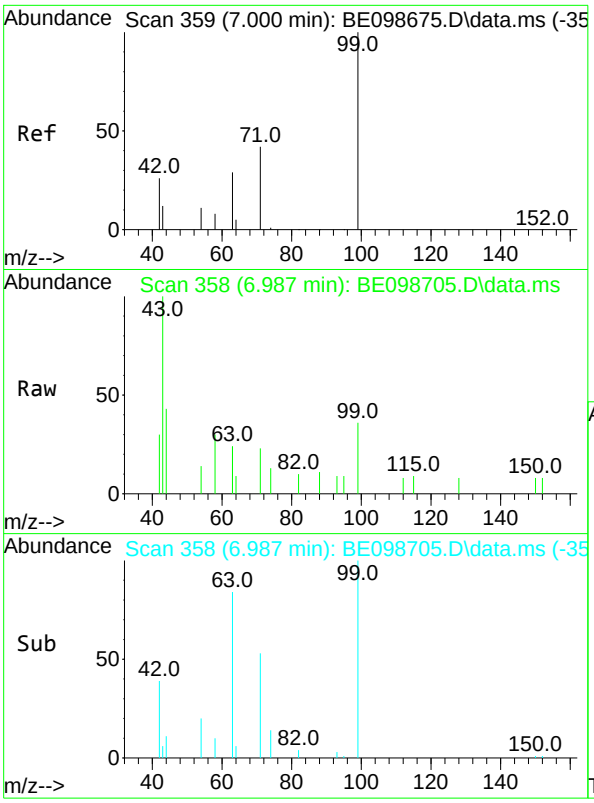
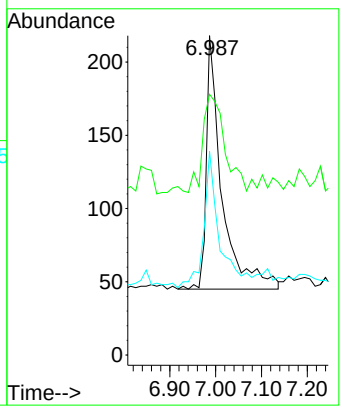


#5
Phenol-d6
Concen: 0.10 ng
RT: 6.987 min Scan# 358
Delta R.T. -0.013 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion: 99 Resp: 406

Ion	Ratio	Lower	Upper
99	100		
42	54.9	24.6	37.0#
71	54.7	35.1	52.7#



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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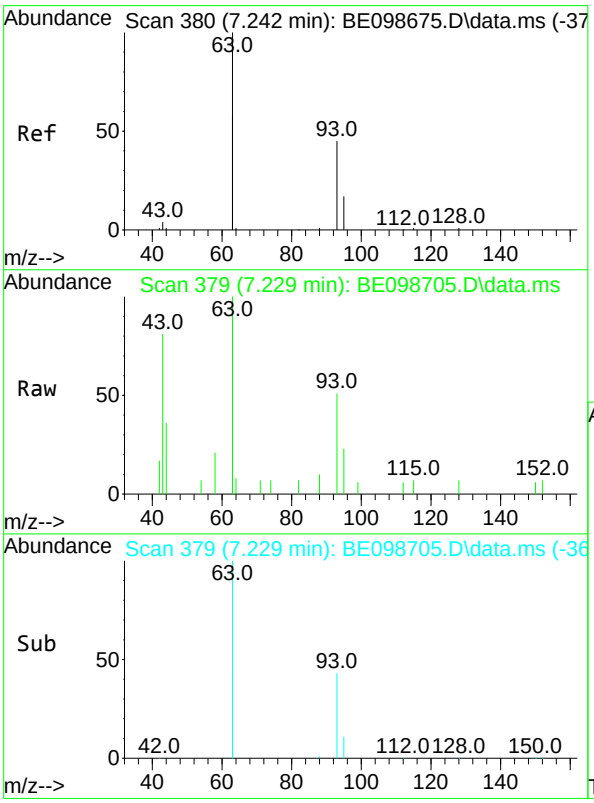
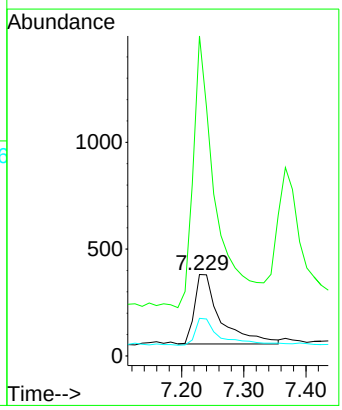
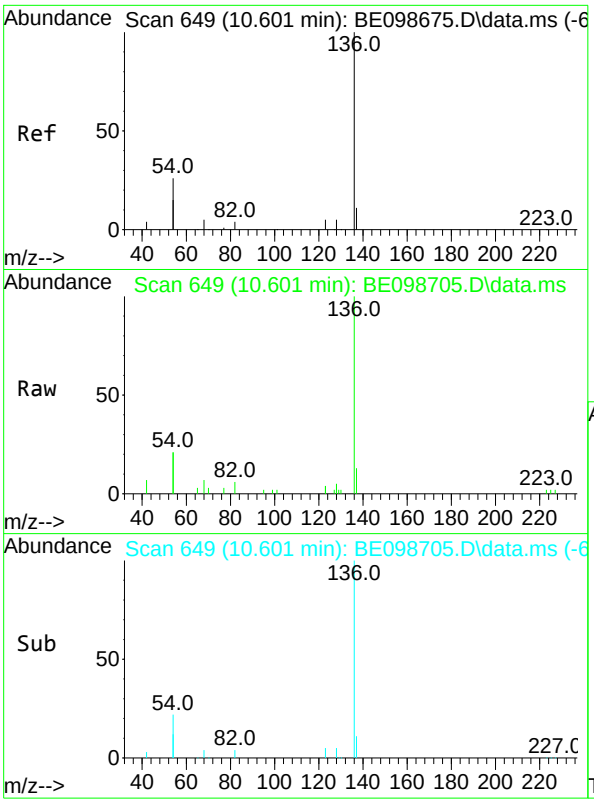


#6
bis(2-Chloroethyl)ether
Concen: 0.33 ng
RT: 7.229 min Scan# 379
Delta R.T. -0.013 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion: 93 Resp: 947

Ion	Ratio	Lower	Upper
93	100		
63	328.0	267.3	400.9
95	38.1	26.2	39.4

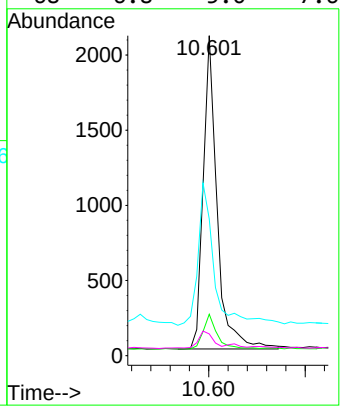


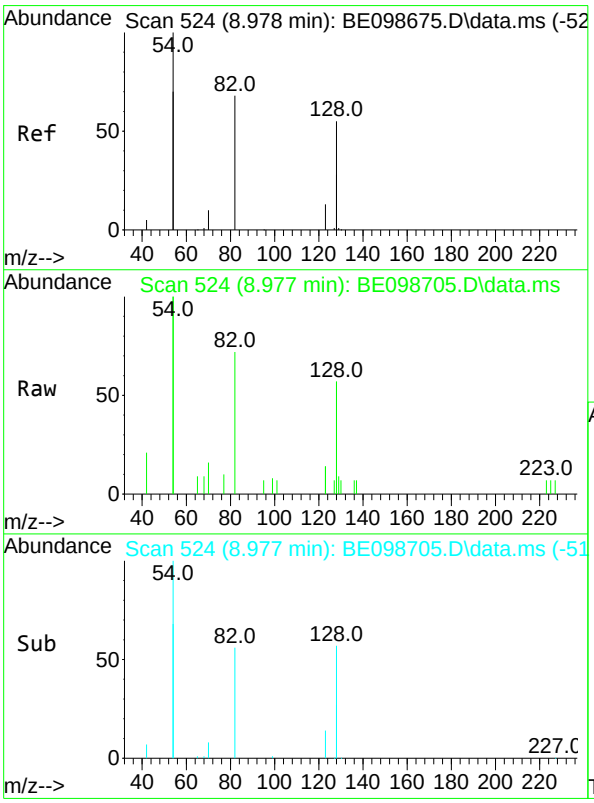


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.601 min Scan# 649
Delta R.T. 0.000 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:136 Resp: 4172

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.7	14.5
54	42.7	35.5	53.3
68	6.8	5.0	7.6

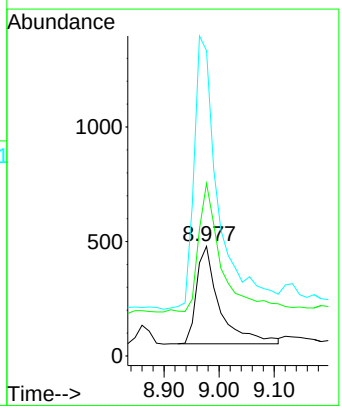




#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion: 82 Resp: 1246

Ion	Ratio	Lower	Upper
82	100		
128	157.4	96.5	144.7#
54	278.5	224.7	337.1



Instrument :
BNA_E
ClientSampleId :
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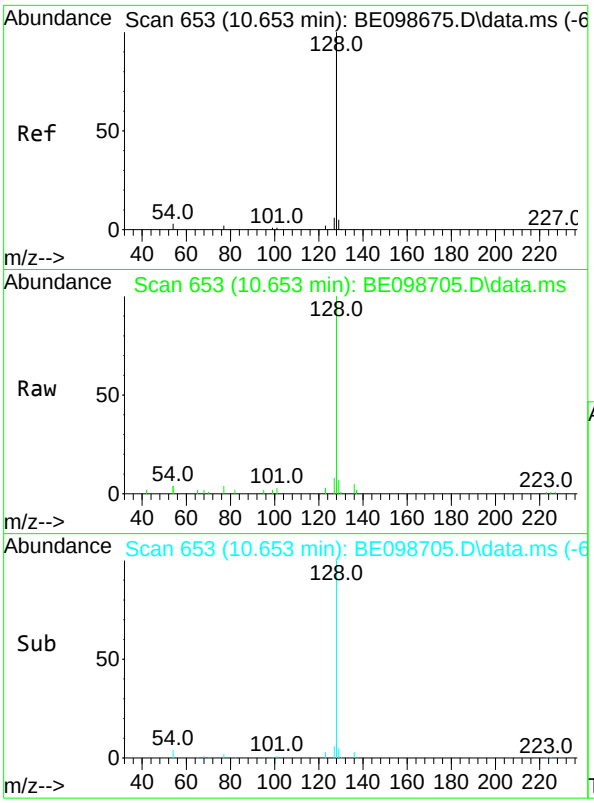
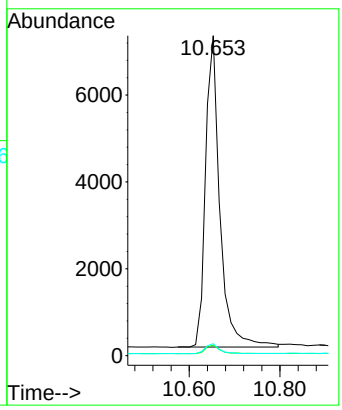
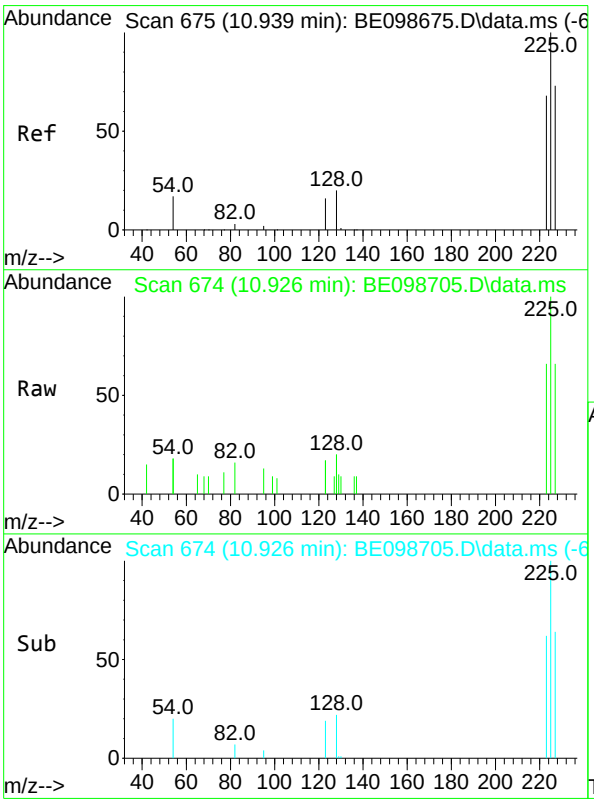


#9
Naphthalene
Concen: 0.33 ng
RT: 10.653 min Scan# 653
Delta R.T. -0.000 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:128 Resp: 15770

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.8	3.0	4.6

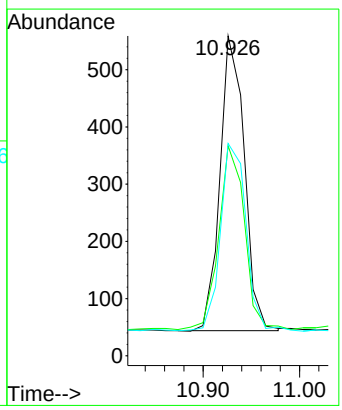




#10
Hexachlorobutadiene
Concen: 0.28 ng
RT: 10.926 min Scan# 674
Delta R.T. -0.013 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:225 Resp: 903

Ion	Ratio	Lower	Upper
225	100		
223	65.6	47.8	71.8
227	66.6	50.5	75.7



Instrument :
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ClientSampleId :
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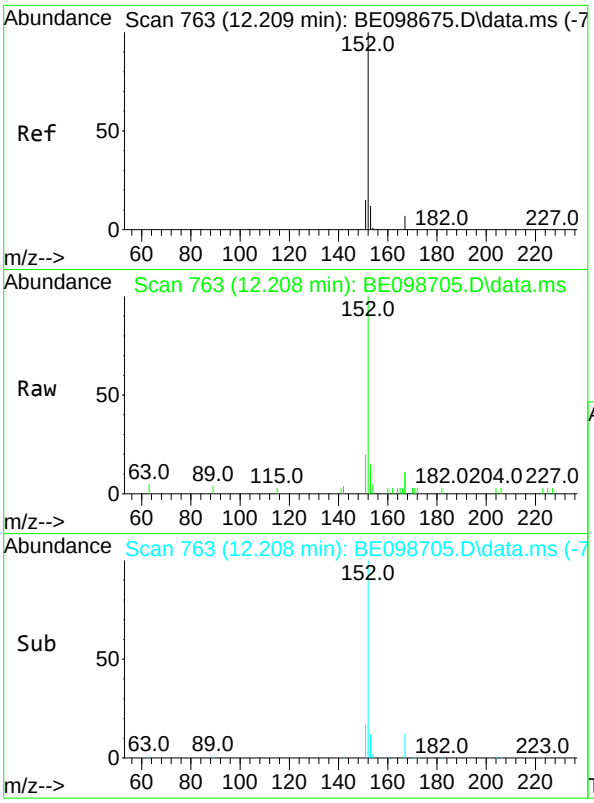
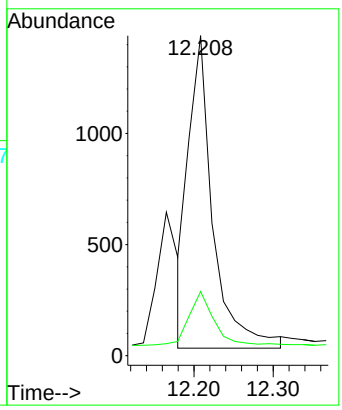


#11
2-Methylnaphthalene-d10
Concen: 0.38 ng m
RT: 12.208 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:152 Resp: 3017

Ion	Ratio	Lower	Upper
152	100		
151	17.7	16.2	24.4



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ClientSampleId :
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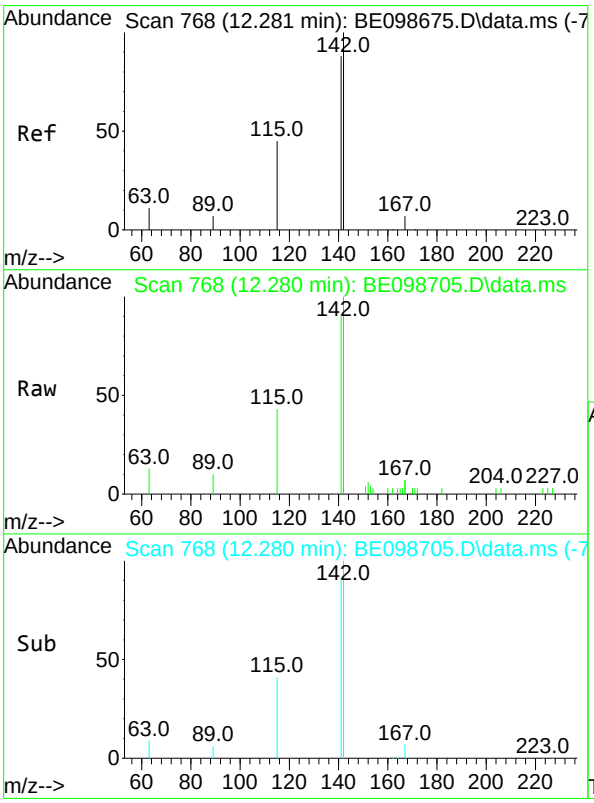
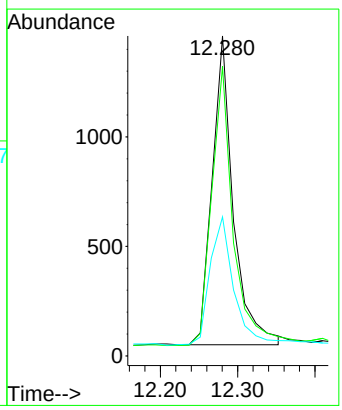
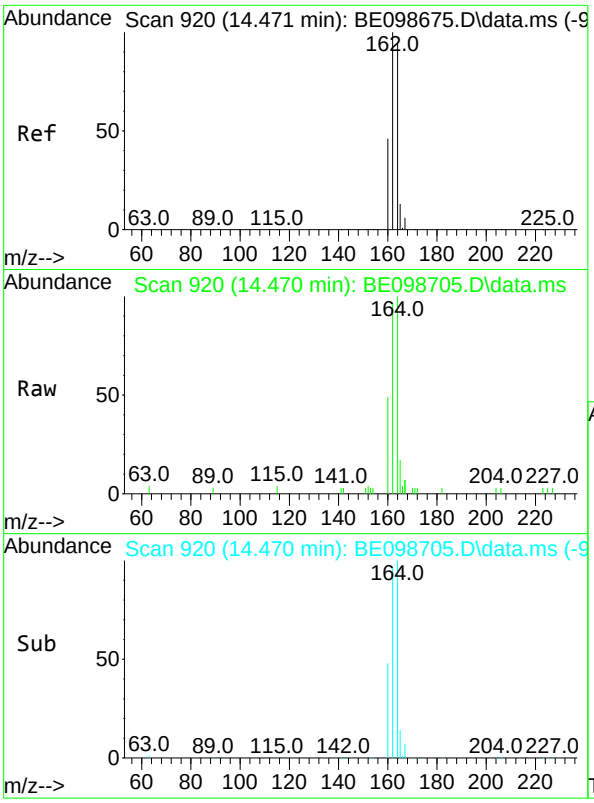


#12
2-Methylnaphthalene
Concen: 0.34 ng
RT: 12.280 min Scan# 768
Delta R.T. -0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:142 Resp: 2688

Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.0	105.0
115	43.5	35.2	52.8

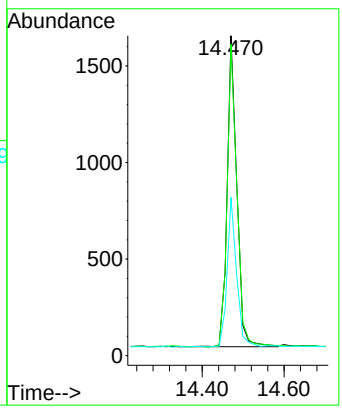


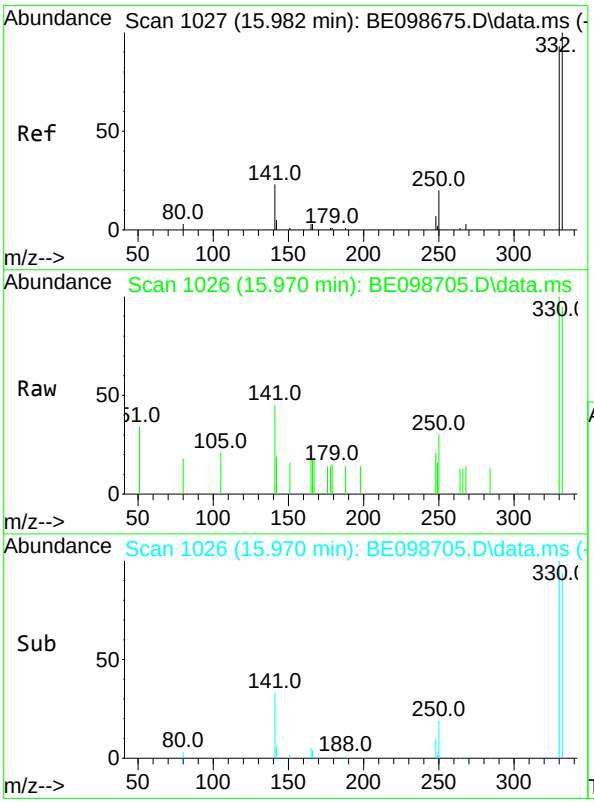


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.470 min Scan# 920
Delta R.T. -0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:164 Resp: 2622

Ion	Ratio	Lower	Upper
164	100		
162	97.3	80.5	120.7
160	49.5	40.1	60.1

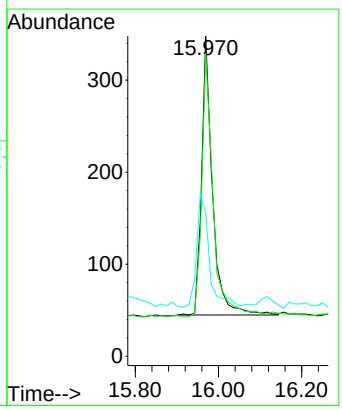




#14
2,4,6-Tribromophenol
Concen: 0.47 ng
RT: 15.970 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:330 Resp: 551

Ion	Ratio	Lower	Upper
330	100		
332	99.6	73.3	109.9
141	46.3	33.1	49.7



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

Manual Integrations APPROVED
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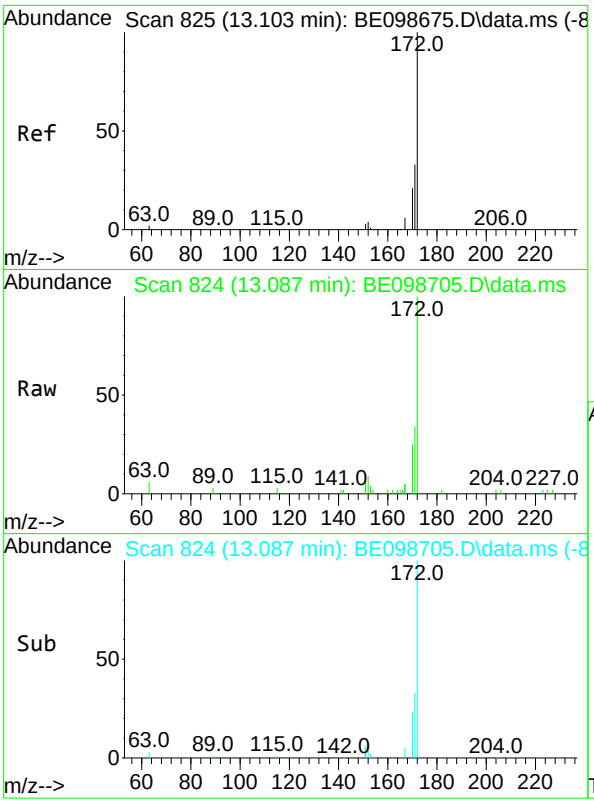
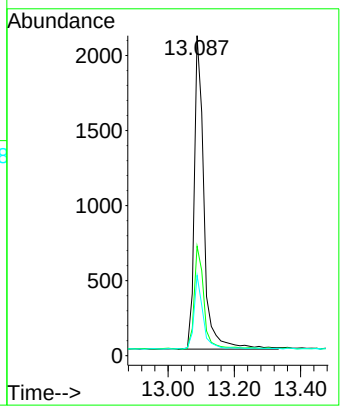


#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 13.087 min Scan# 824
Delta R.T. -0.016 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:172 Resp: 4265

Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.0	43.4
170	25.1	20.8	31.2



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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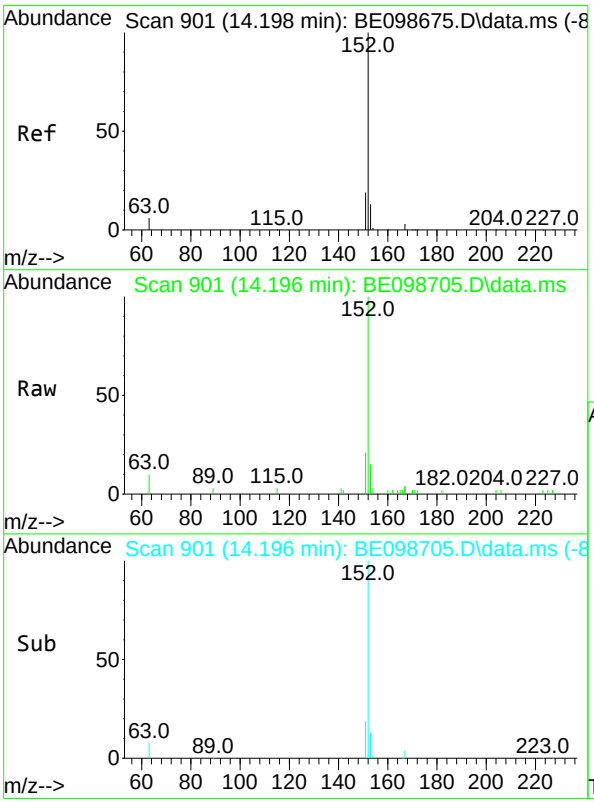
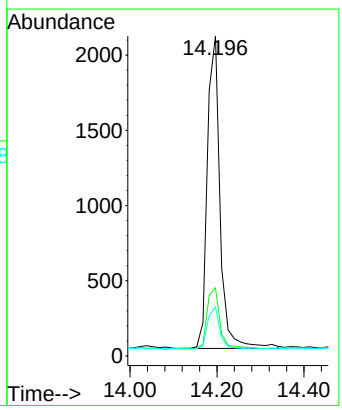
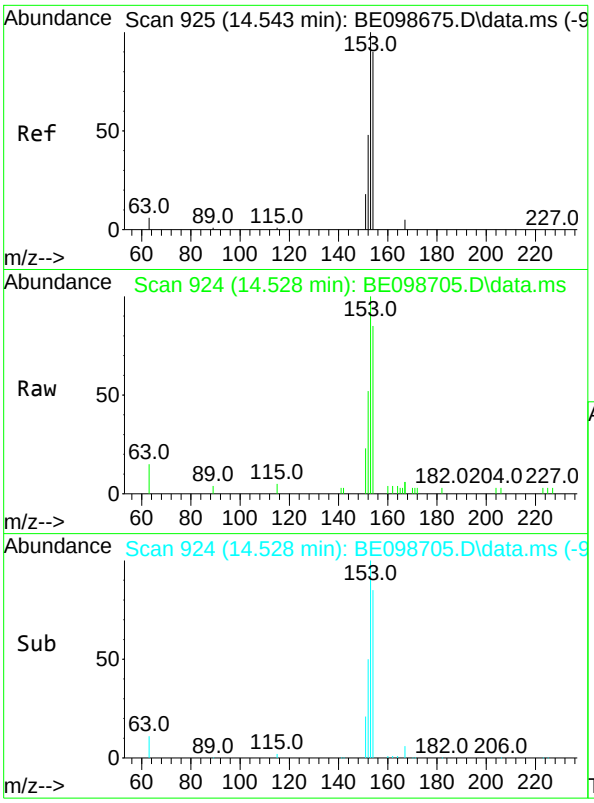


#16
Acenaphthylene
Concen: 0.31 ng
RT: 14.196 min Scan# 901
Delta R.T. -0.002 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:152 Resp: 4217

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	12.8	10.7	16.1

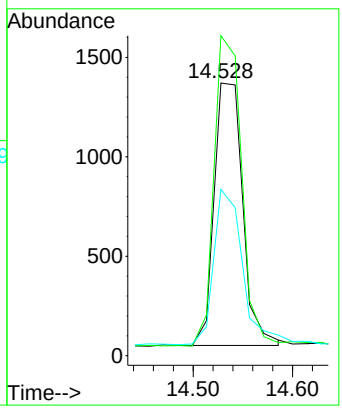


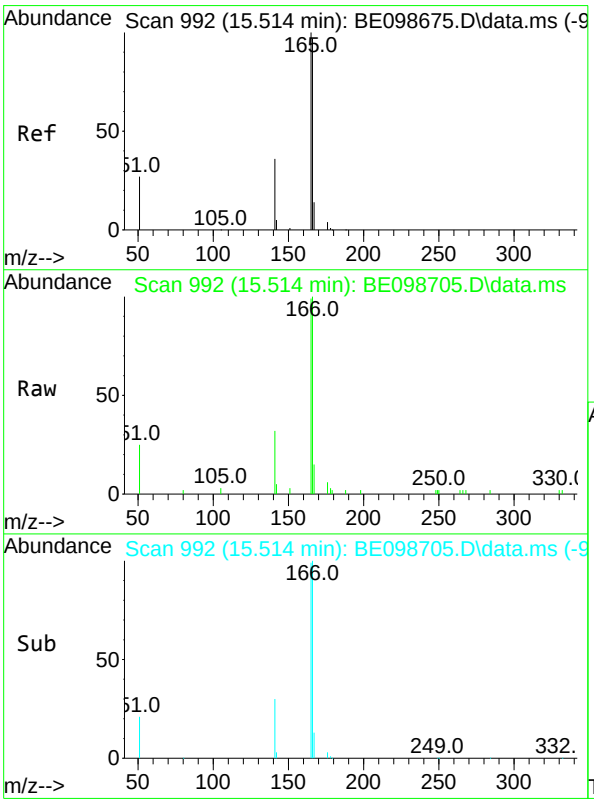


#17
Acenaphthene
Concen: 0.33 ng
RT: 14.528 min Scan# 924
Delta R.T. -0.015 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:154 Resp: 2630

Ion	Ratio	Lower	Upper
154	100		
153	114.1	93.9	140.9
152	59.5	45.8	68.8

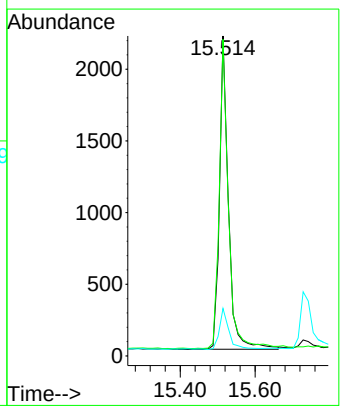




#18
Fluorene
Concen: 0.33 ng
RT: 15.514 min Scan# 992
Delta R.T. 0.000 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:166 Resp: 3614

Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.3	118.9
167	14.2	10.6	15.8



Instrument :
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ClientSampleId :
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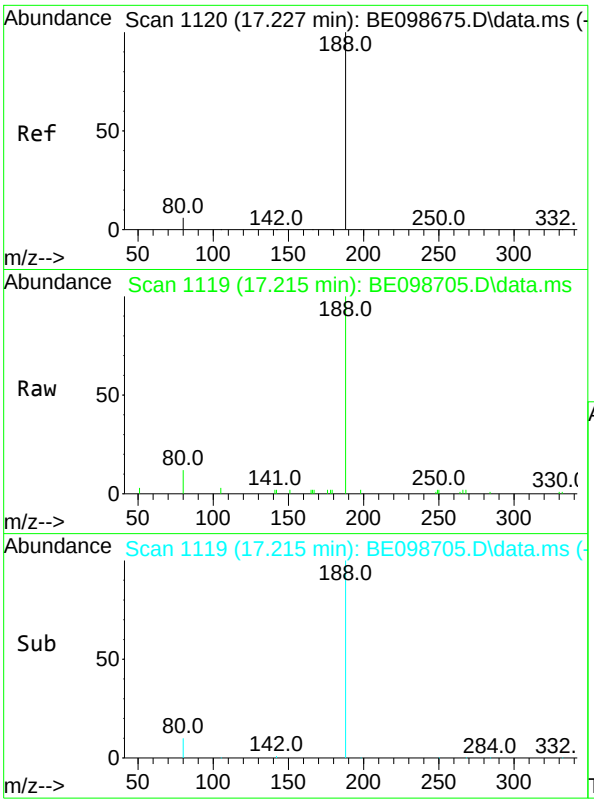
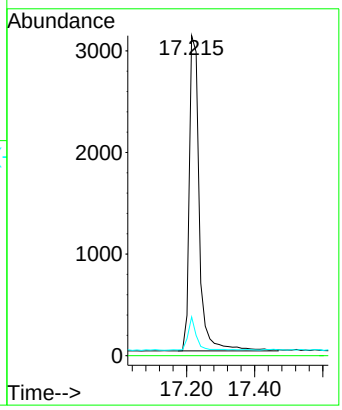


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.215 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:188 Resp: 6322

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	4.7	7.1#



Instrument :
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ClientSampleId :
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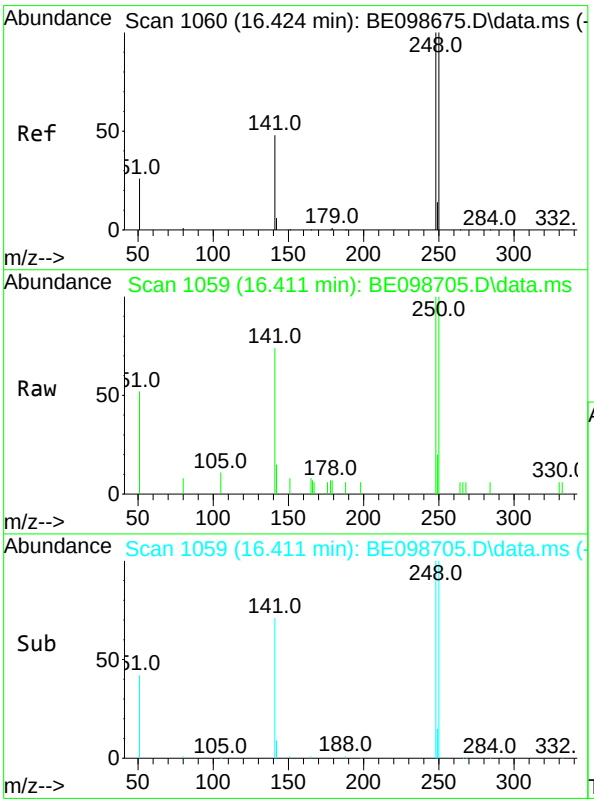
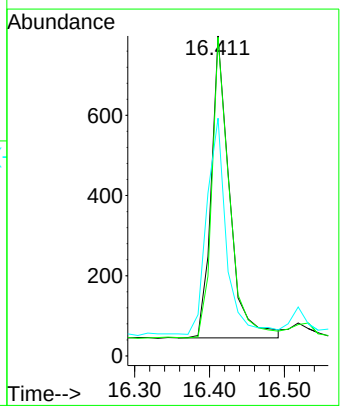
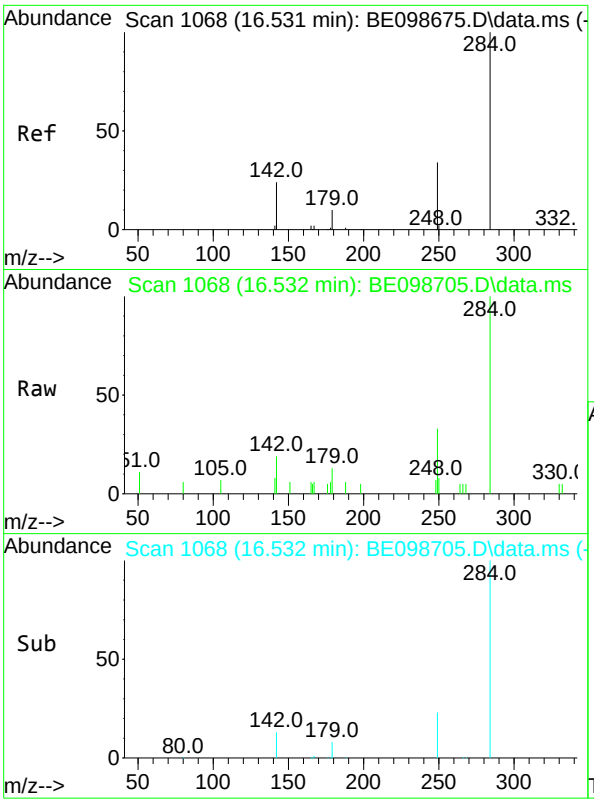


#20
4-Bromophenyl-phenylether
Concen: 0.34 ng
RT: 16.411 min Scan# 1059
Delta R.T. -0.013 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:248 Resp: 1276

Ion	Ratio	Lower	Upper
248	100		
250	99.6	80.2	120.4
141	74.3	60.5	90.7

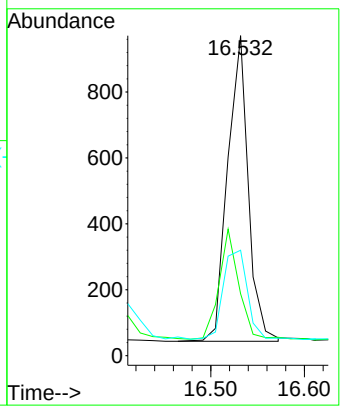


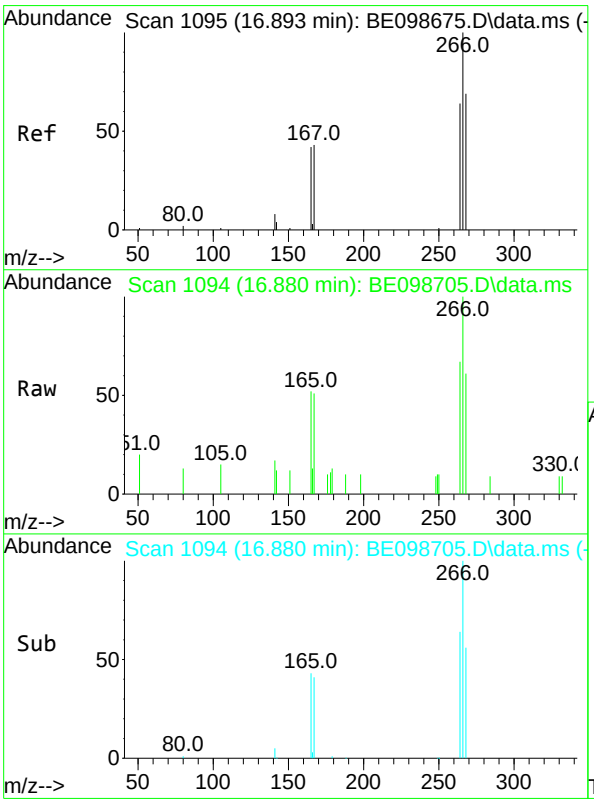


#21
Hexachlorobenzene
Concen: 0.32 ng
RT: 16.532 min Scan# 1068
Delta R.T. 0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:284 Resp: 1419

Ion	Ratio	Lower	Upper
284	100		
142	34.0	25.5	38.3
249	33.9	26.6	39.8

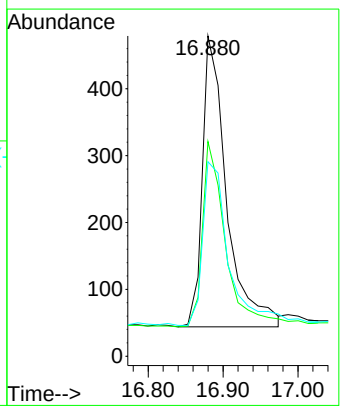




#22
Pentachlorophenol
Concen: 0.87 ng
RT: 16.880 min Scan# 1094
Delta R.T. -0.013 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:266 Resp: 980

Ion	Ratio	Lower	Upper
266	100		
264	67.0	53.7	80.5
268	60.8	59.8	89.8



Instrument :
BNA_E
ClientSampleId :
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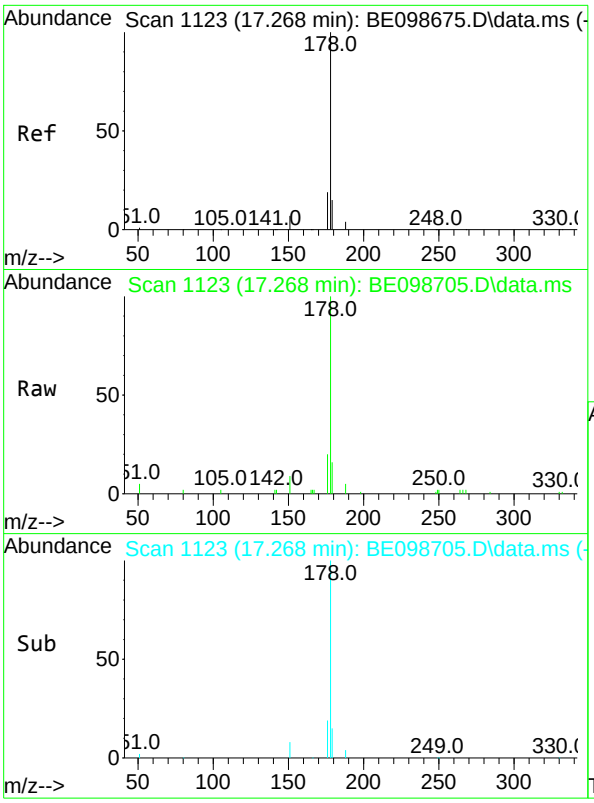
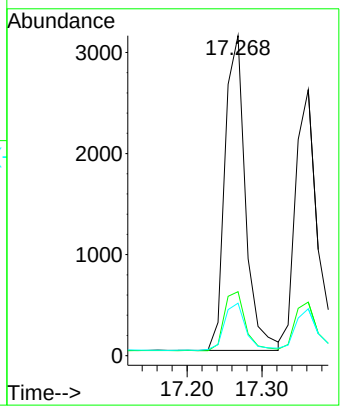
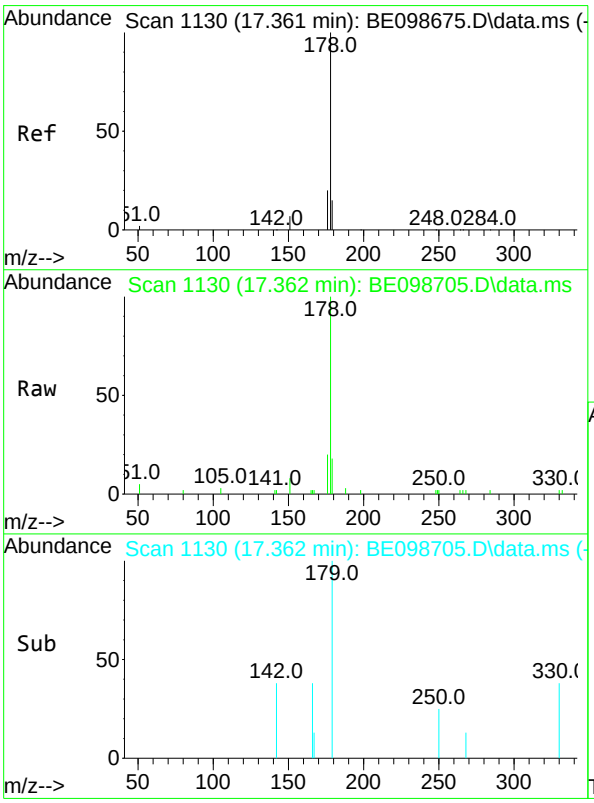


#23
Phenanthrene
Concen: 0.34 ng
RT: 17.268 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:178 Resp: 5934

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.8	12.2	18.4

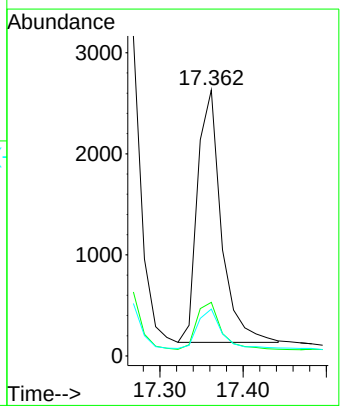




#24
Anthracene
Concen: 0.35 ng
RT: 17.362 min Scan# 1130
Delta R.T. 0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:178 Resp: 4972

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.3	11.8	17.8



Instrument :
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ClientSampleId :
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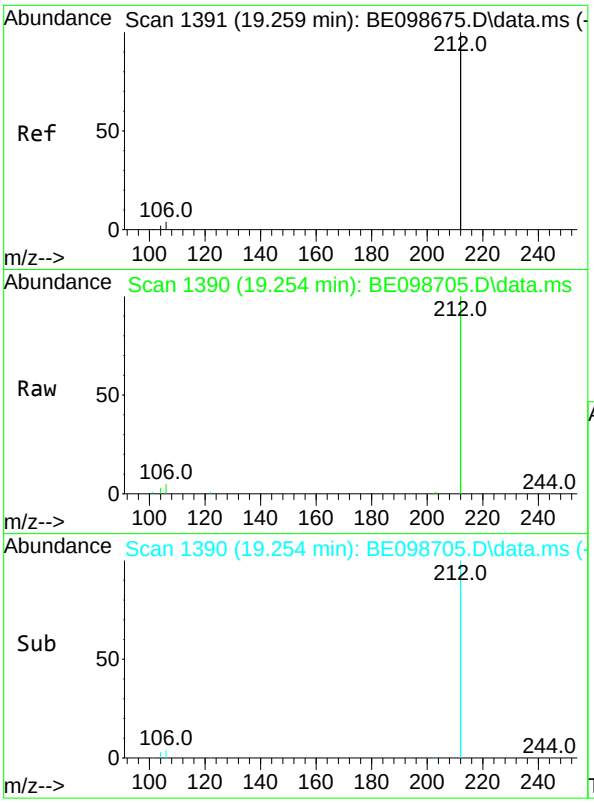
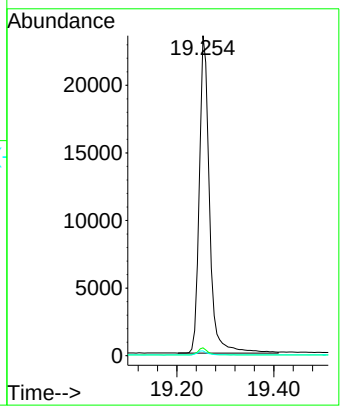


#25
Fluoranthene-d10
Concen: 0.38 ng
RT: 19.254 min Scan# 1390
Delta R.T. -0.005 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:212 Resp: 34325

Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.7	2.5
104	1.2	1.0	1.6



Instrument :
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ClientSampleId :
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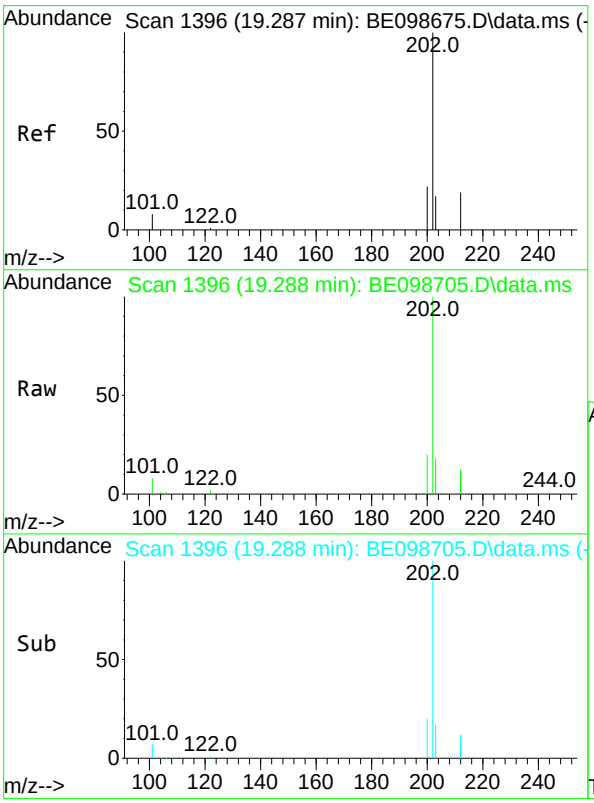
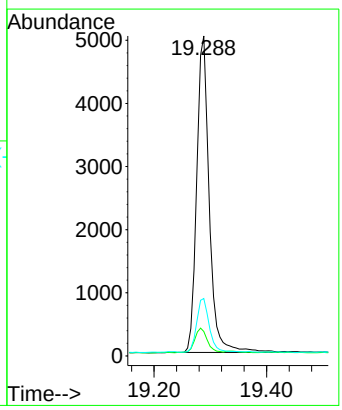
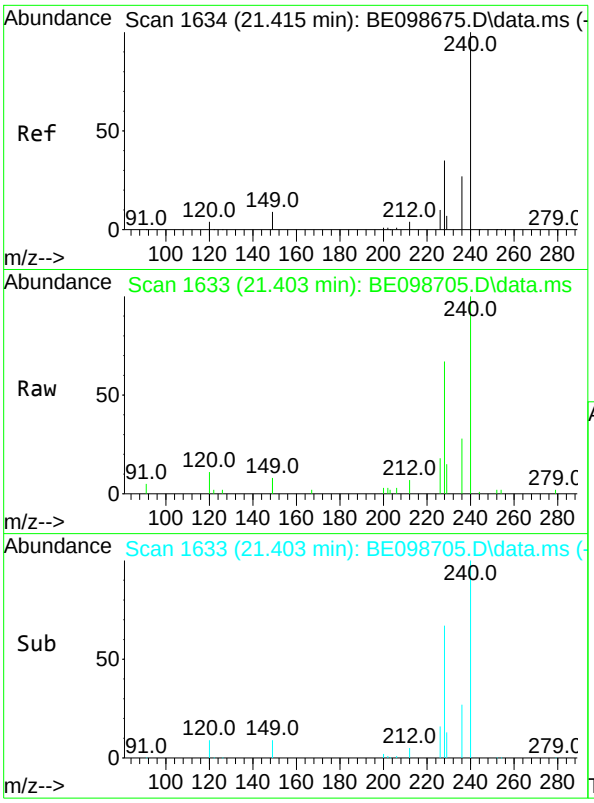


#26
Fluoranthene
Concen: 0.35 ng
RT: 19.288 min Scan# 1396
Delta R.T. 0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:202 Resp: 7783

Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.7	10.1
203	17.0	13.3	19.9

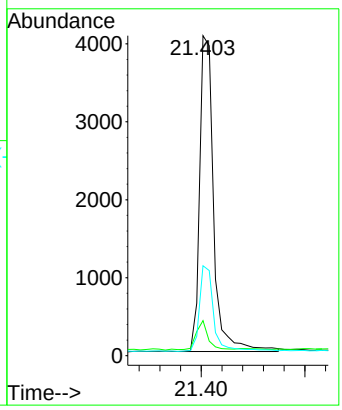




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.403 min Scan# 1633
Delta R.T. -0.012 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:240 Resp: 7646

Ion	Ratio	Lower	Upper
240	100		
120	11.0	4.7	7.1#
236	28.1	21.9	32.9



Instrument :
BNA_E
ClientSampleId :
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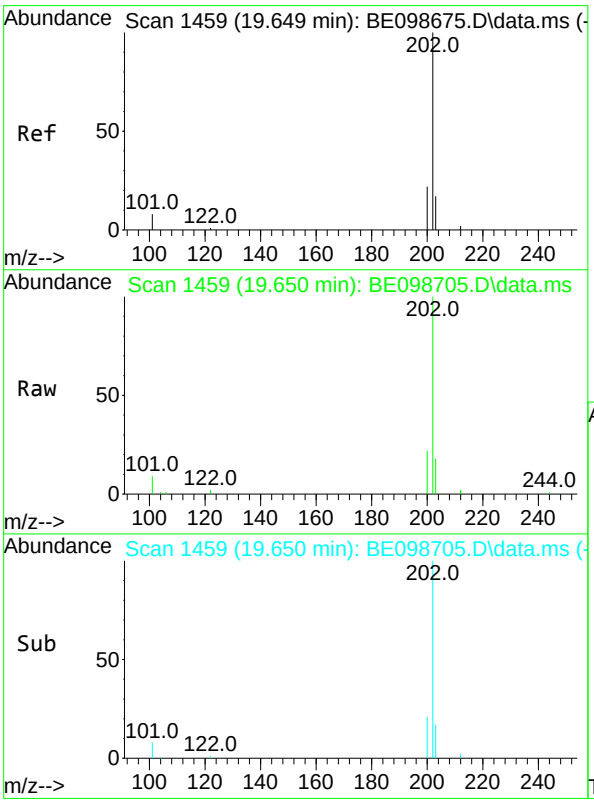
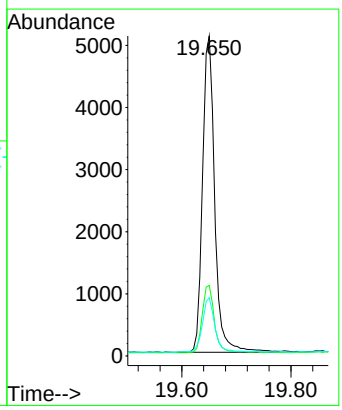
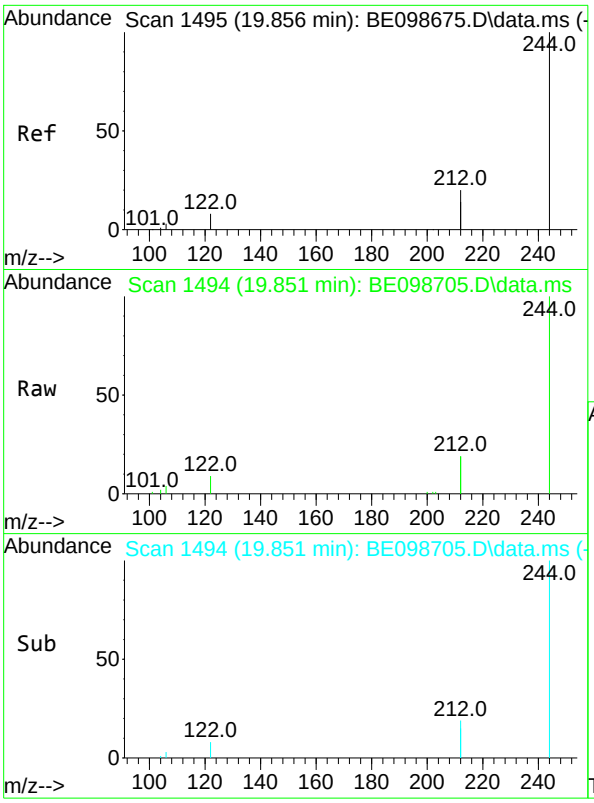


#28
Pyrene
Concen: 0.32 ng
RT: 19.650 min Scan# 1459
Delta R.T. 0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:202 Resp: 7897

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	18.0	13.8	20.8

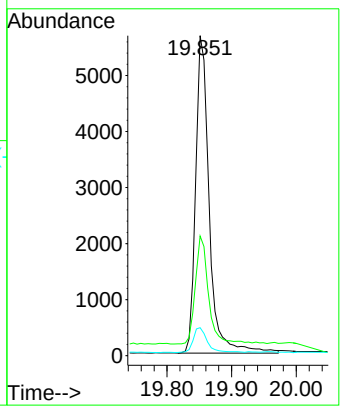




#29
Terphenyl-d14
Concen: 0.43 ng
RT: 19.851 min Scan# 1494
Delta R.T. -0.005 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:244 Resp: 8259

Ion	Ratio	Lower	Upper
244	100		
212	37.4	29.4	44.2
122	8.8	7.1	10.7



Instrument :
BNA_E
ClientSampleId :
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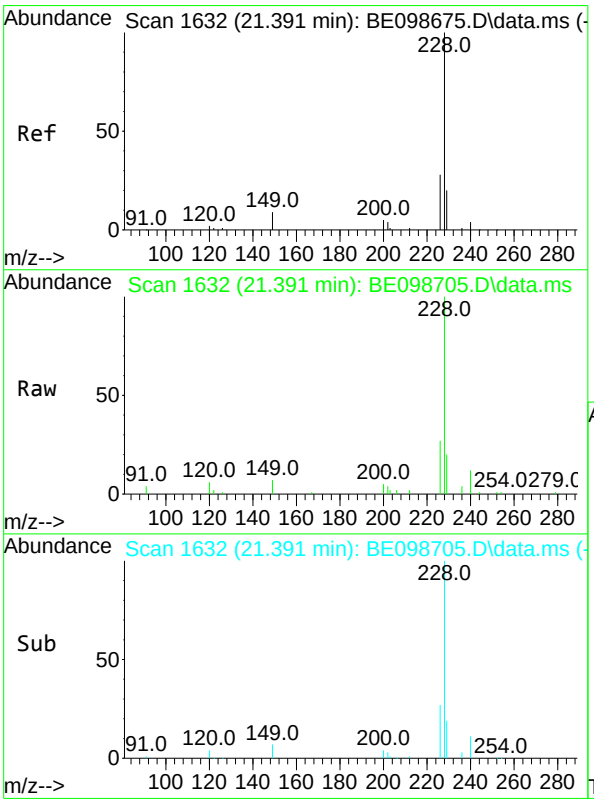
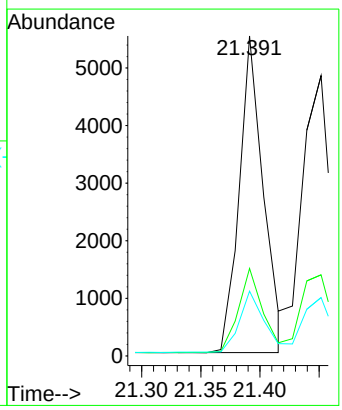
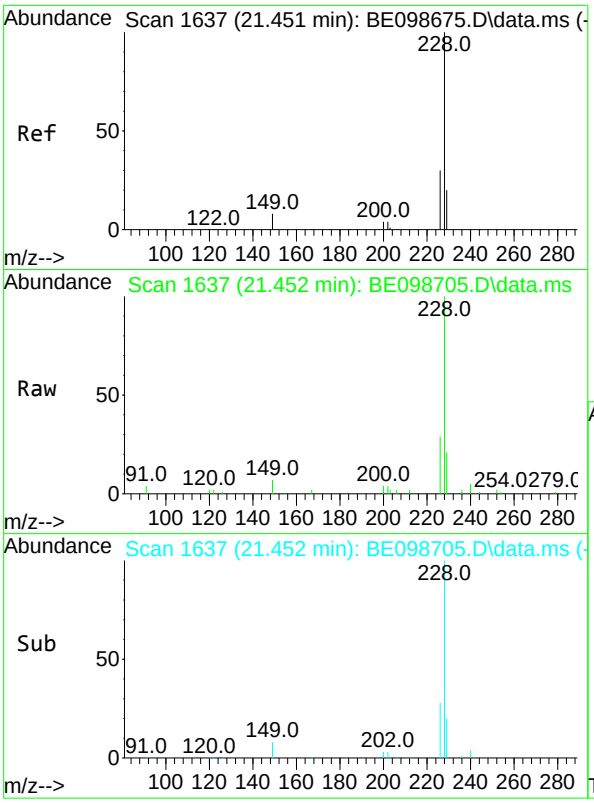


#30
Benzo(a)anthracene
Concen: 0.34 ng
RT: 21.391 min Scan# 1632
Delta R.T. 0.000 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:228 Resp: 7801

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.0	34.4
229	20.2	15.0	22.6

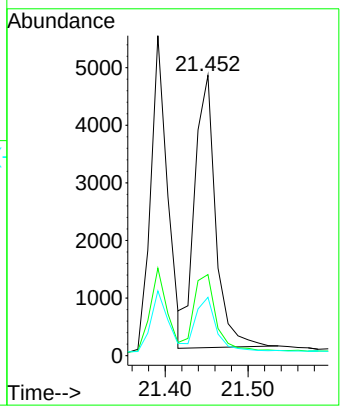


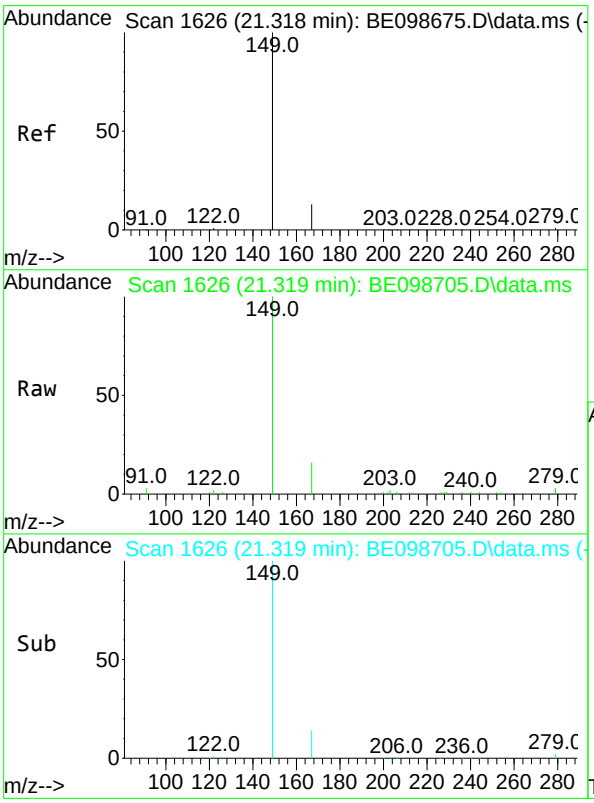


#31
Chrysene
Concen: 0.33 ng
RT: 21.452 min Scan# 1637
Delta R.T. 0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:228 Resp: 8297

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.6	36.8
229	20.8	16.4	24.6

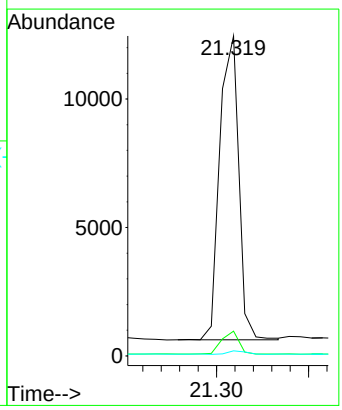




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.40 ng
RT: 21.319 min Scan# 1626
Delta R.T. 0.001 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:149 Resp: 16996

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.2
279	1.1	1.0	1.4



Instrument :
BNA_E
ClientSampleId :
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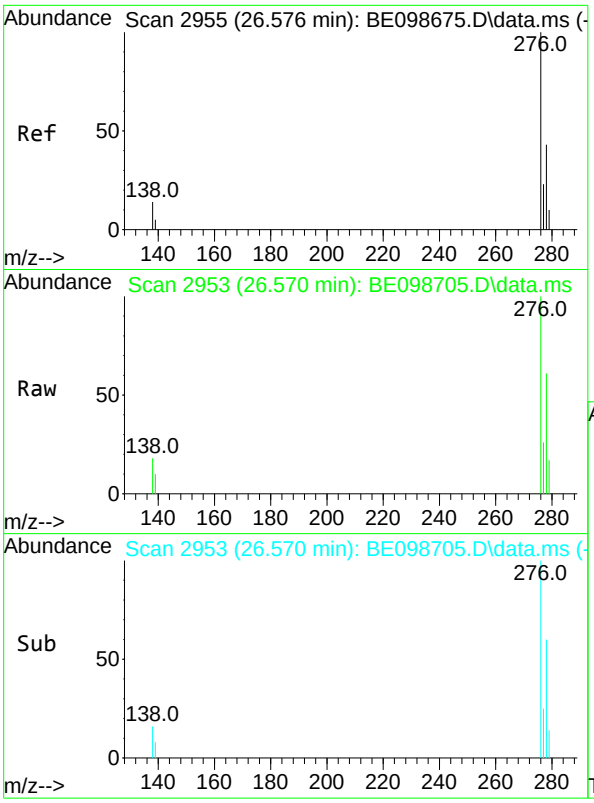
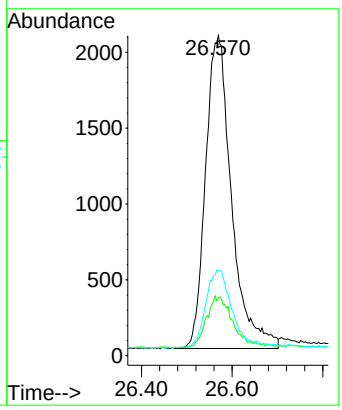


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.31 ng
RT: 26.570 min Scan# 2953
Delta R.T. -0.006 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:276 Resp: 8200

Ion	Ratio	Lower	Upper
276	100		
138	6.9	13.3	19.9#
277	24.2	19.4	29.0



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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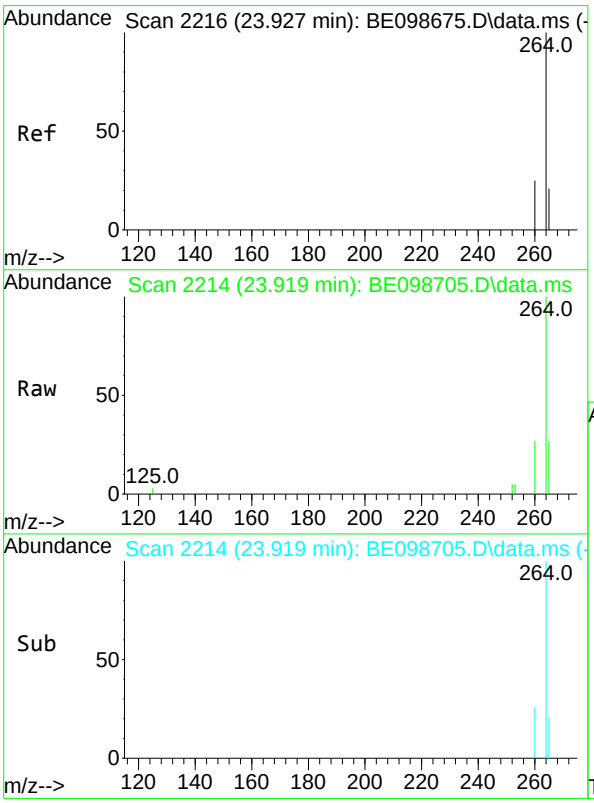
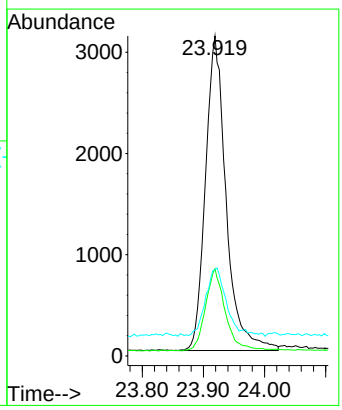
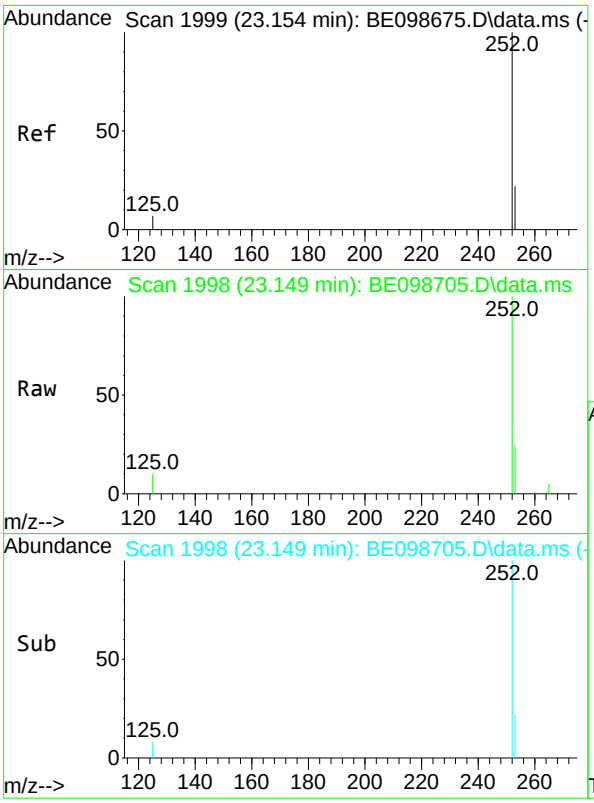


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.919 min Scan# 2214
Delta R.T. -0.008 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:264 Resp: 7296

Ion	Ratio	Lower	Upper
264	100		
260	27.3	20.5	30.7
265	27.0	22.3	33.5

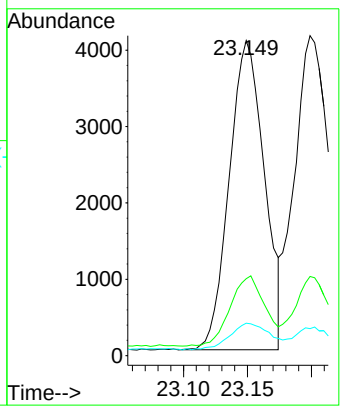




#35
Benzo(b)fluoranthene
Concen: 0.33 ng
RT: 23.149 min Scan# 1998
Delta R.T. -0.005 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:252 Resp: 7737

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.4	29.0
125	10.3	8.2	12.4



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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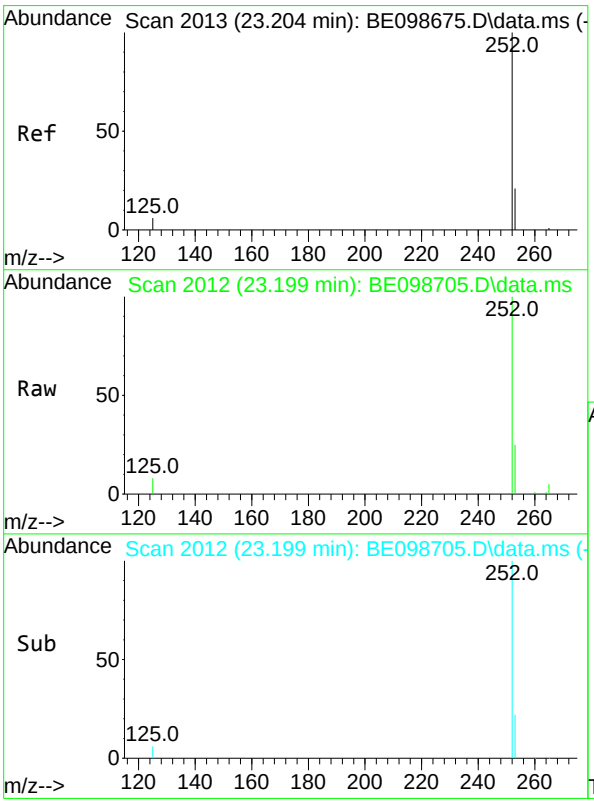
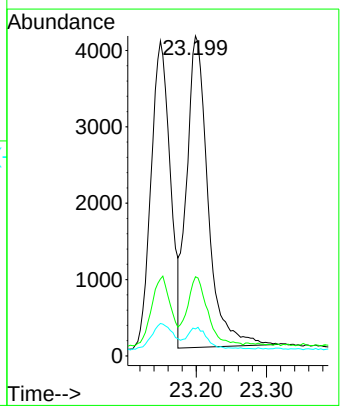
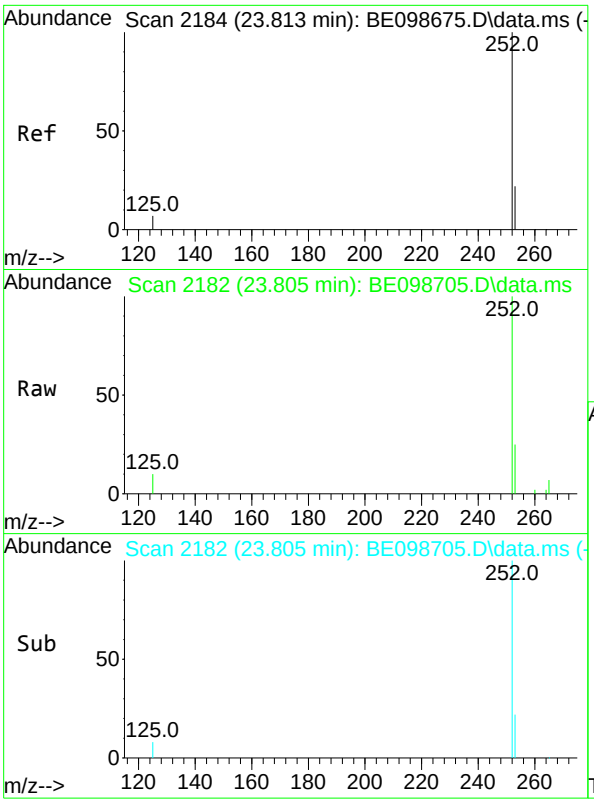


#36
Benzo(k)fluoranthene
Concen: 0.34 ng
RT: 23.199 min Scan# 2012
Delta R.T. -0.005 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:252 Resp: 8593

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.0	28.4
125	8.4	7.0	10.4

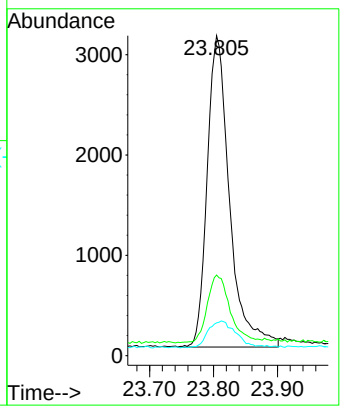




#37
Benzo(a)pyrene
Concen: 0.33 ng
RT: 23.805 min Scan# 2182
Delta R.T. -0.008 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:252 Resp: 7550

Ion	Ratio	Lower	Upper
252	100		
253	25.2	21.0	31.4
125	10.2	9.2	13.8



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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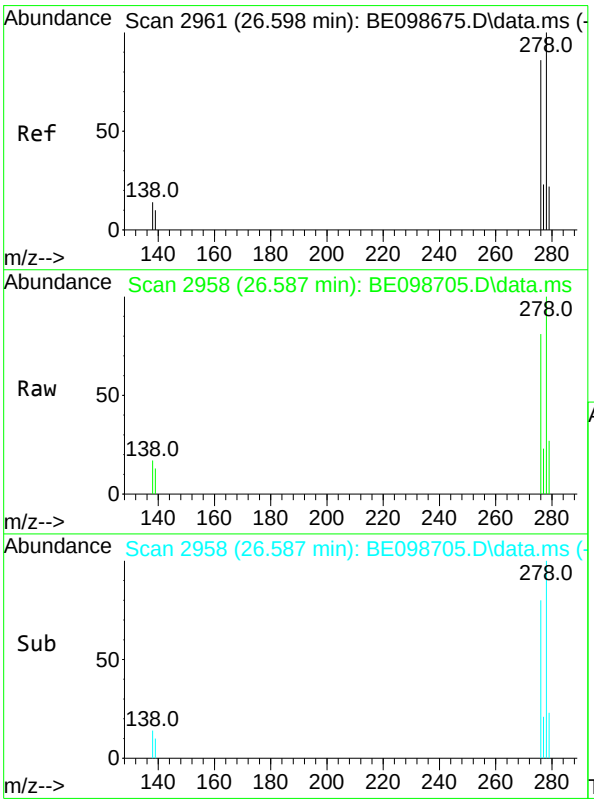
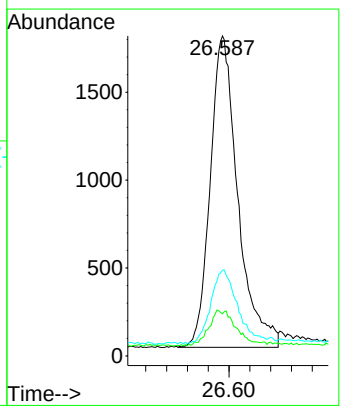
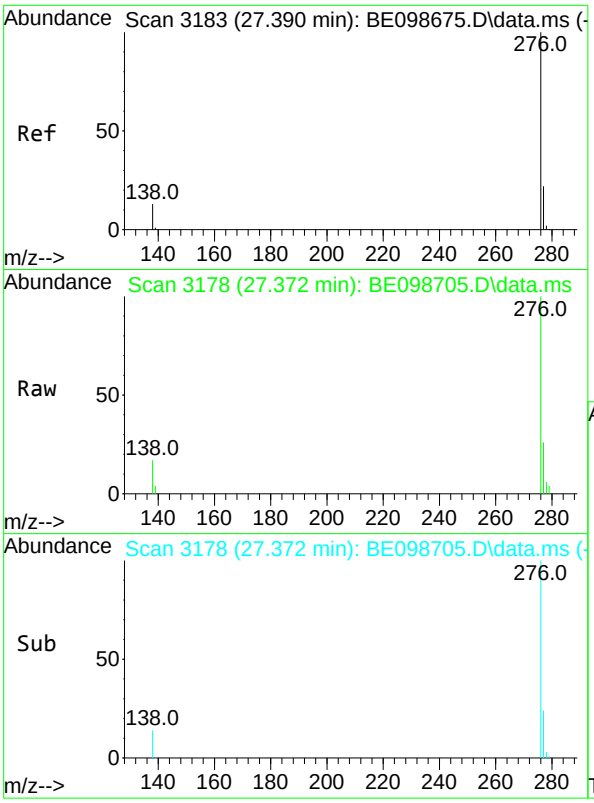


#38
Dibenzo(a,h)anthracene
Concen: 0.31 ng
RT: 26.587 min Scan# 2958
Delta R.T. -0.011 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:278 Resp: 6521

Ion	Ratio	Lower	Upper
278	100		
139	13.2	12.7	19.1
279	26.8	22.0	33.0

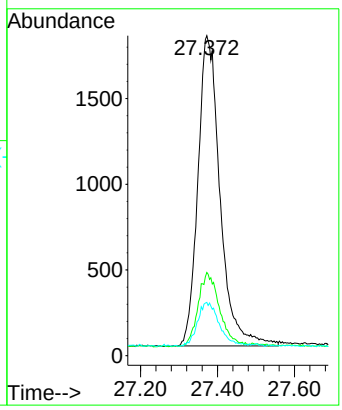




#39
Benzo(g,h,i)perylene
Concen: 0.32 ng
RT: 27.372 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BE098705.D
Acq: 4 Feb 2019 13:09

Tgt Ion:276 Resp: 7232

Ion	Ratio	Lower	Upper
276	100		
277	26.0	20.3	30.5
138	16.7	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
BP-TT-MW202S-20190129MSD

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