Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE020419\
Data File : BE098700.D
Acq On : 4 Feb 2019 9:28
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Feb 04 11:35:42 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	7.807	152	938	0.40	ng		0.00
7) Naphthalene-d8	10.601	136	4157	0.40	ng		# 0.00
13) Acenaphthene-d10	14.470	164	2725	0.40	ng		0.00
19) Phenanthrene-d10	17.228	188	6302	0.40	ng		0.00
27) Chrysene-d12	21.414	240	6847	0.40	ng		0.00
34) Perylene-d12	23.923	264	6519	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.412	112	982	0.35	ng		0.01
5) Phenol-d6	7.001	99	1453	0.36	ng		0.00
8) Nitrobenzene-d5	8.977	82	1508	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.208	152	3050	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.970	330	411	0.34	ng		-0.01
15) 2-Fluorobiphenyl	13.102	172	4524	0.39	ng		0.00
25) Fluoranthene-d10	19.260	212	34621	0.38	ng		0.00
29) Terphenyl-d14	19.857	244	6583	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.304	88	688	0.39	ng		92
3) n-Nitrosodimethylamine	3.661	42	663	0.31	ng	#	85
6) bis(2-Chloroethyl)ether	7.243	93	1076	0.39	ng		77
9) Naphthalene	10.653	128	18617	0.39	ng		100
10) Hexachlorobutadiene	10.926	225	1206	0.38	ng		96
12) 2-Methylnaphthalene	12.281	142	3066	0.39	ng		97
16) Acenaphthylene	14.197	152	5150	0.37	ng		99
17) Acenaphthene	14.542	154	3189	0.39	ng		99
18) Fluorene	15.515	166	4344	0.39	ng		99
20) 4-Bromophenyl-phenylether	16.411	248	1431	0.38	ng		90
21) Hexachlorobenzene	16.532	284	1712	0.39	ng		95
22) Pentachlorophenol	16.893	266	439	0.39	ng		95
23) Phenanthrene	17.268	178	6667	0.38	ng		99
24) Anthracene	17.362	178	5185	0.36	ng		97
26) Fluoranthene	19.288	202	8605	0.39	ng		99
28) Pyrene	19.650	202	8776	0.40	ng		99
30) Benzo(a)anthracene	21.390	228	7625	0.37	ng		97
31) Chrysene	21.450	228	8737	0.39	ng		98
32) Bis(2-ethylhexyl)phtha...	21.317	149	12889	0.34	ng		100
33) Indeno(1,2,3-cd)pyrene	26.566	276	7898	0.34	ng	#	89
35) Benzo(b)fluoranthene	23.153	252	8030	0.38	ng		99
36) Benzo(k)fluoranthene	23.203	252	8495	0.38	ng		100
37) Benzo(a)pyrene	23.808	252	7636	0.38	ng		97
38) Dibenzo(a,h)anthracene	26.602	278	5781	0.31	ng		99
39) Benzo(g,h,i)perylene	27.376	276	7299	0.36	ng		98

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

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Misc :
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Instrument :
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ClientSampleId :
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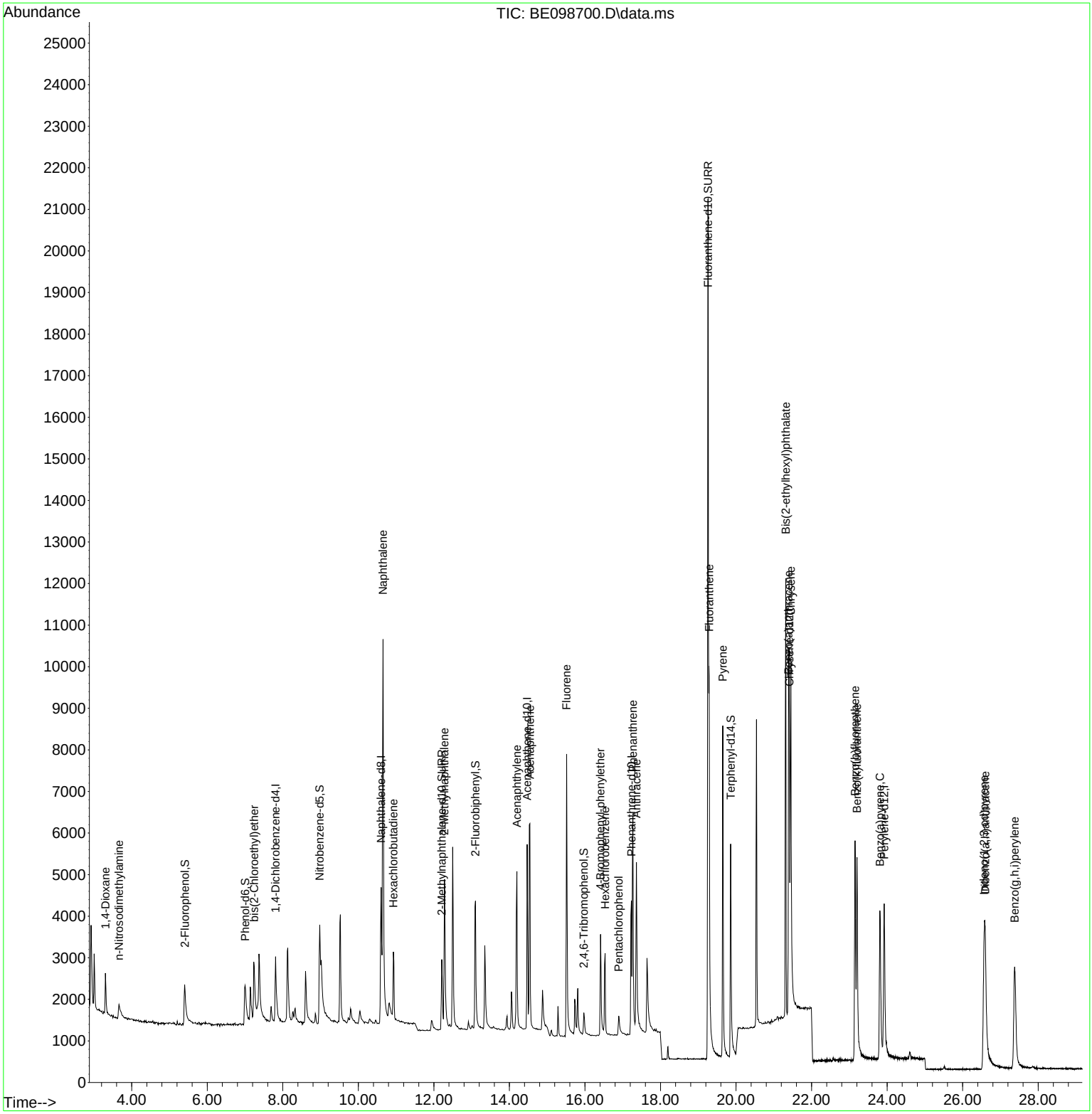
Quant Time: Feb 04 11:35:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 24 14:44:44 2019
Response via : Initial Calibration



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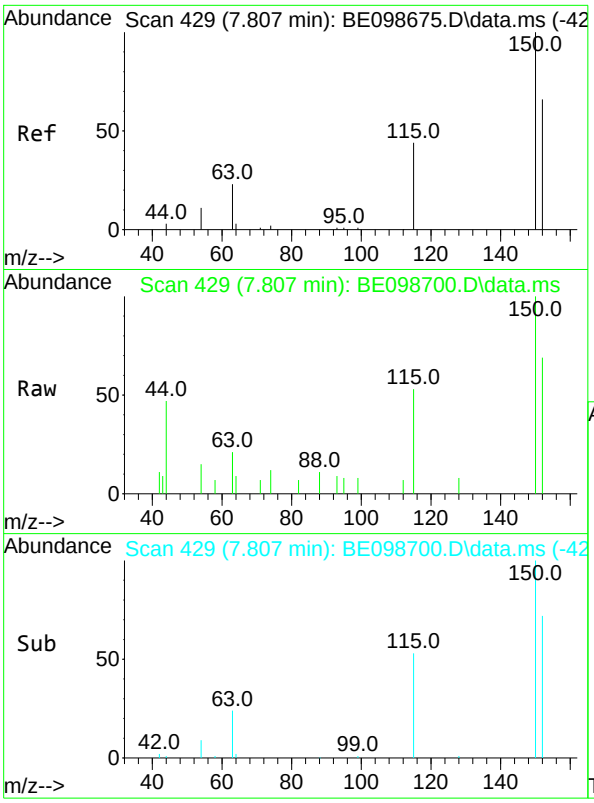
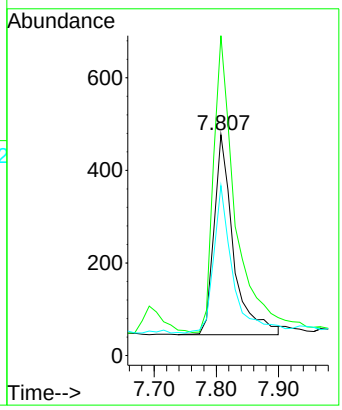
ClientSampleId :
SSTDCCC0.4

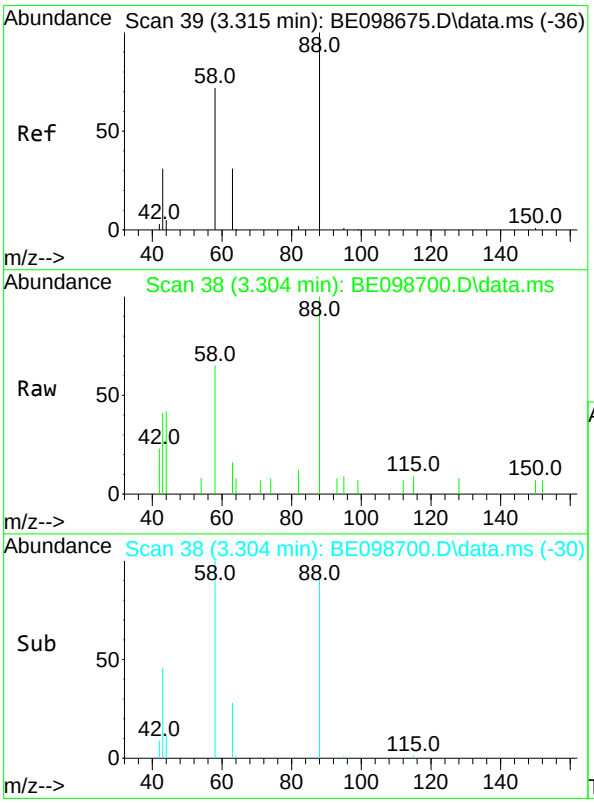


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.807 min Scan# 429
Delta R.T. 0.000 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:152 Resp: 938

Ion	Ratio	Lower	Upper
152	100		
150	144.9	121.4	182.2
115	76.9	59.1	88.7

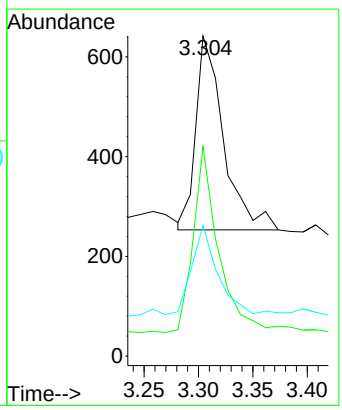




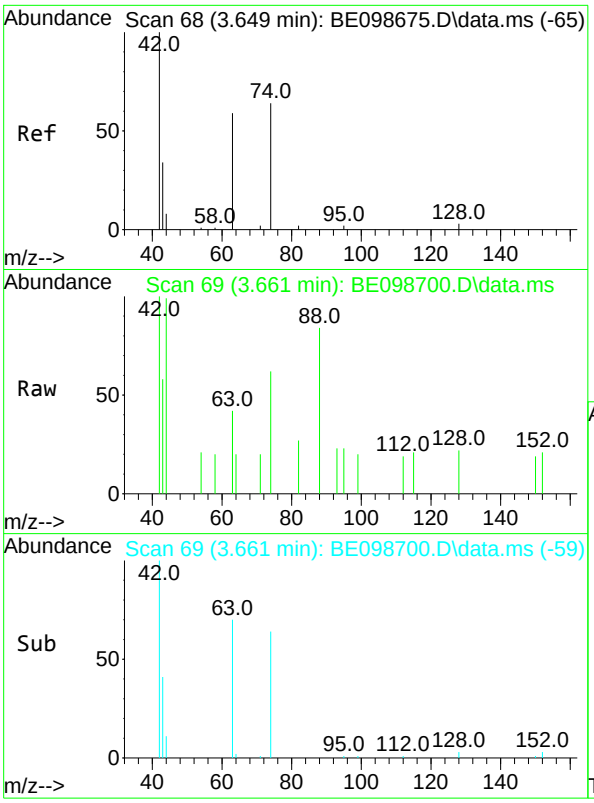
#2
1,4-Dioxane
Concen: 0.39 ng
RT: 3.304 min Scan# 38
Delta R.T. -0.011 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion: 88 Resp: 688

Ion	Ratio	Lower	Upper
88	100		
58	86.6	73.9	110.9
43	47.1	43.7	65.5



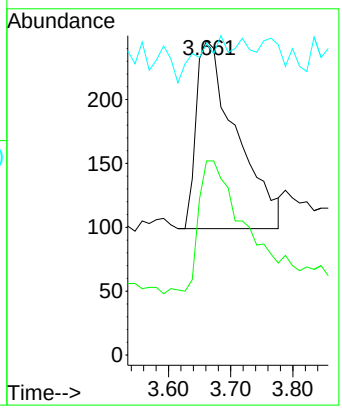
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

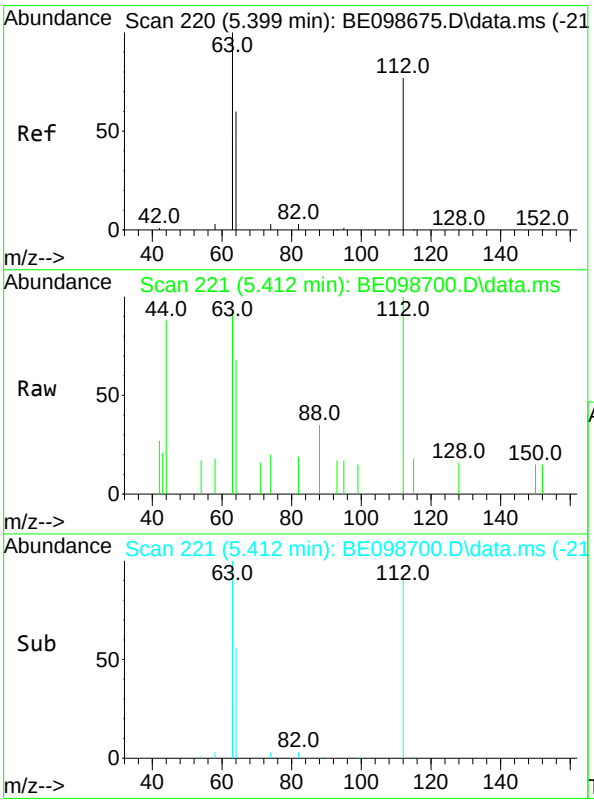


#3
n-Nitrosodimethylamine
Concen: 0.31 ng
RT: 3.661 min Scan# 69
Delta R.T. 0.012 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion: 42 Resp: 663

Ion	Ratio	Lower	Upper
42	100		
74	86.0	58.9	88.3
44	0.0	0.0	0.0

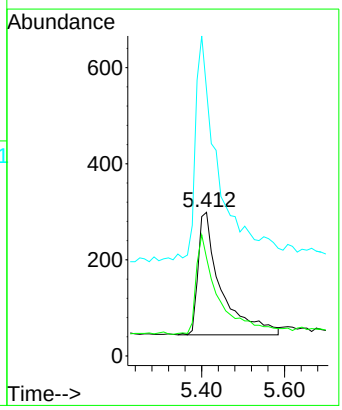




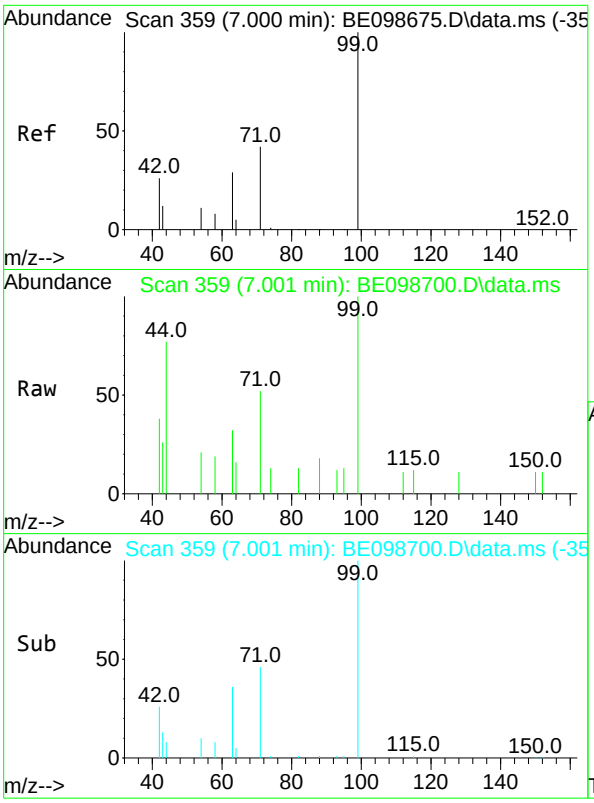
#4
2-Fluorophenol
Concen: 0.35 ng
RT: 5.412 min Scan# 221
Delta R.T. 0.013 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:112 Resp: 982

Ion	Ratio	Lower	Upper
112	100		
64	81.0	62.9	94.3
63	172.7	152.2	228.4



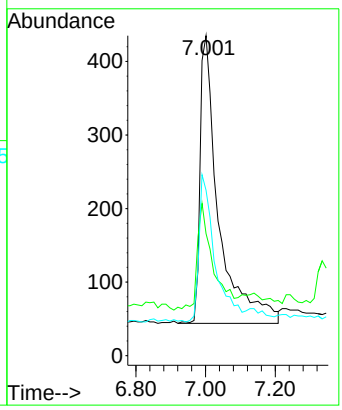
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

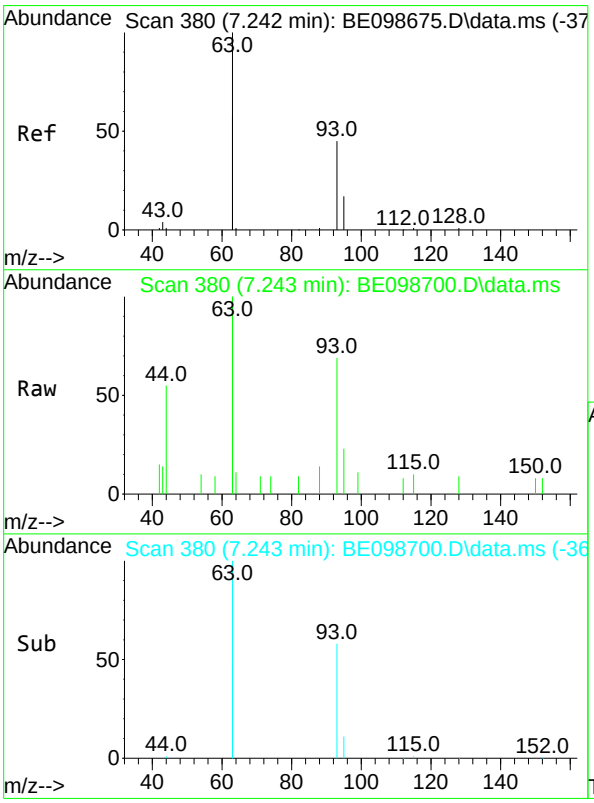


#5
Phenol-d6
Concen: 0.36 ng
RT: 7.001 min Scan# 359
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion: 99 Resp: 1453

Ion	Ratio	Lower	Upper
99	100		
42	30.2	24.6	37.0
71	44.4	35.1	52.7

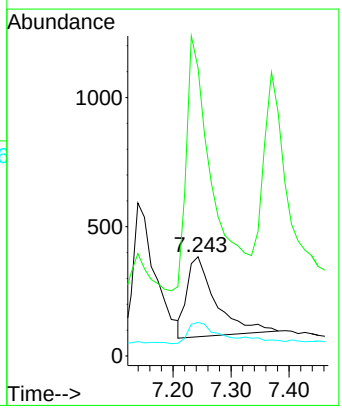




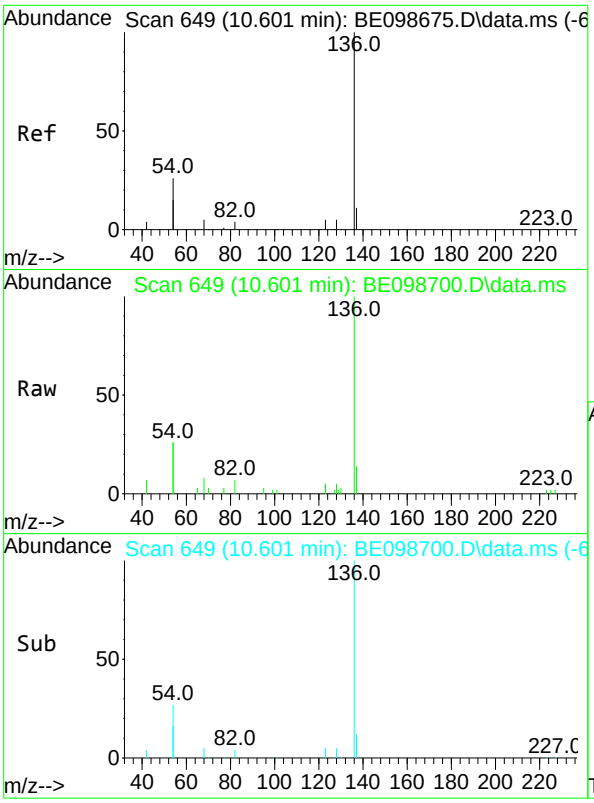
#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.243 min Scan# 380
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion: 93 Resp: 1076

Ion	Ratio	Lower	Upper
93	100		
63	282.8	267.3	400.9
95	26.4	26.2	39.4



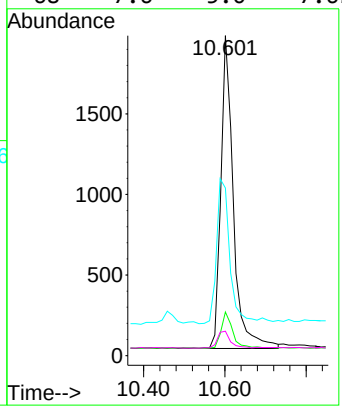
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

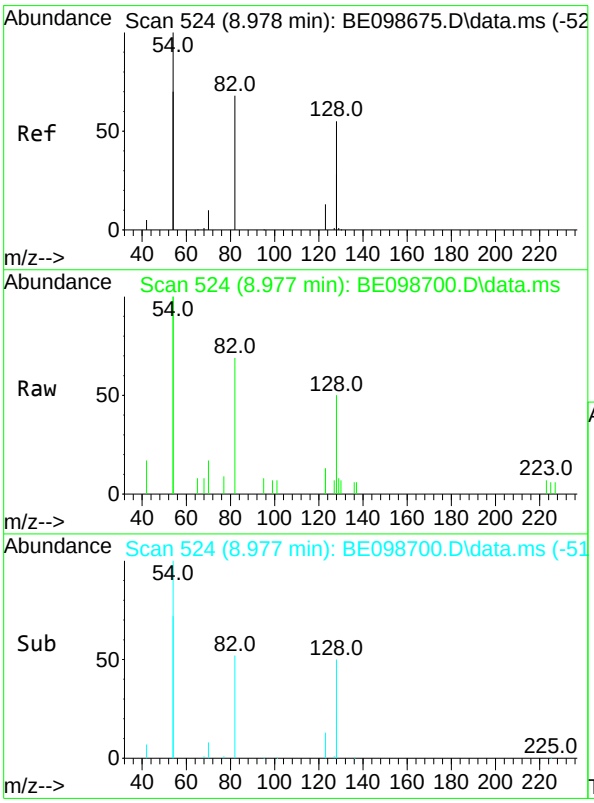


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.601 min Scan# 649
Delta R.T. 0.000 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:136 Resp: 4157

Ion	Ratio	Lower	Upper
136	100		
137	13.7	9.7	14.5
54	52.4	35.5	53.3
68	7.6	5.0	7.6#

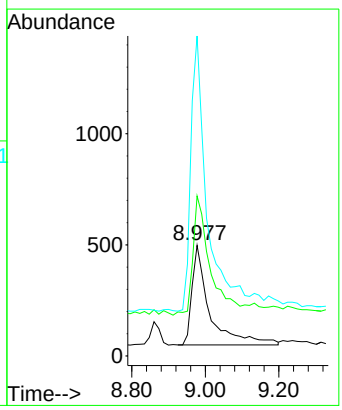


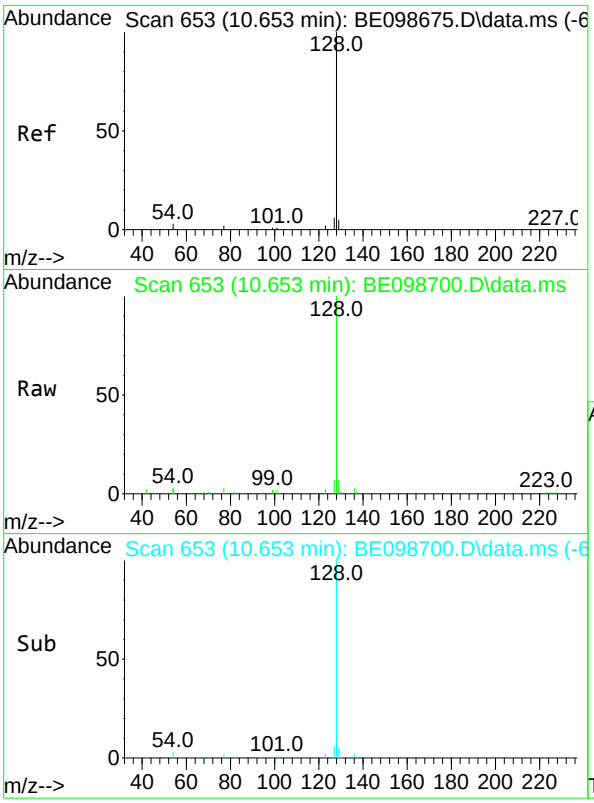


#8
Nitrobenzene-d5
Concen: 0.38 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion: 82 Resp: 1508

Ion	Ratio	Lower	Upper
82	100		
128	144.6	96.5	144.7
54	289.2	224.7	337.1

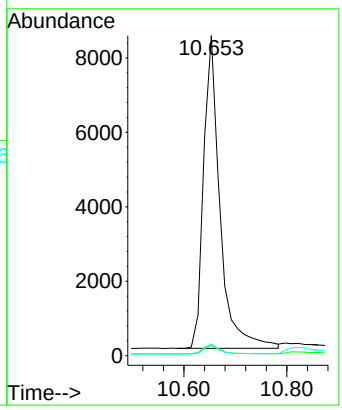




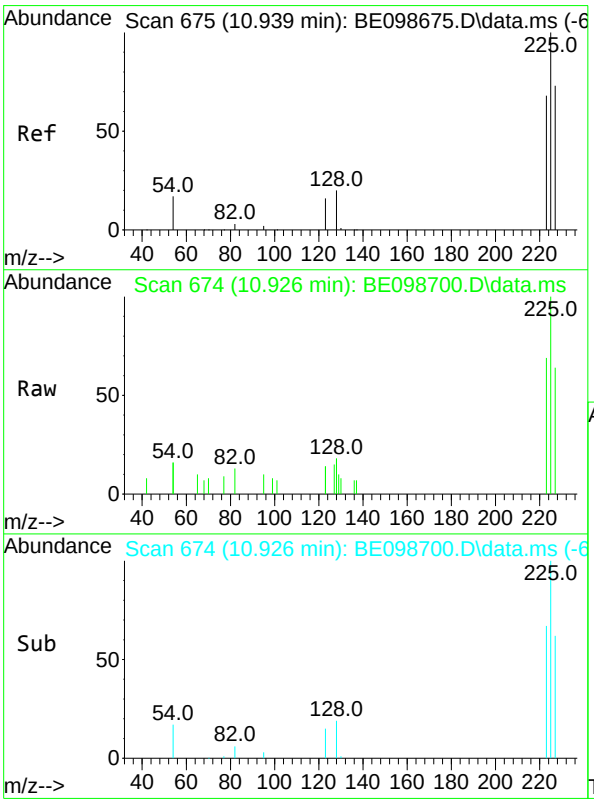
#9
Naphthalene
Concen: 0.39 ng
RT: 10.653 min Scan# 653
Delta R.T. 0.000 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:128 Resp: 18617

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.6	3.0	4.6



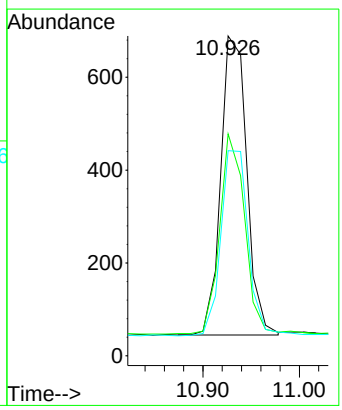
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4



#10
Hexachlorobutadiene
Concen: 0.38 ng
RT: 10.926 min Scan# 674
Delta R.T. -0.013 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:225 Resp: 1206

Ion	Ratio	Lower	Upper
225	100		
223	63.9	47.8	71.8
227	65.5	50.5	75.7



Instrument :
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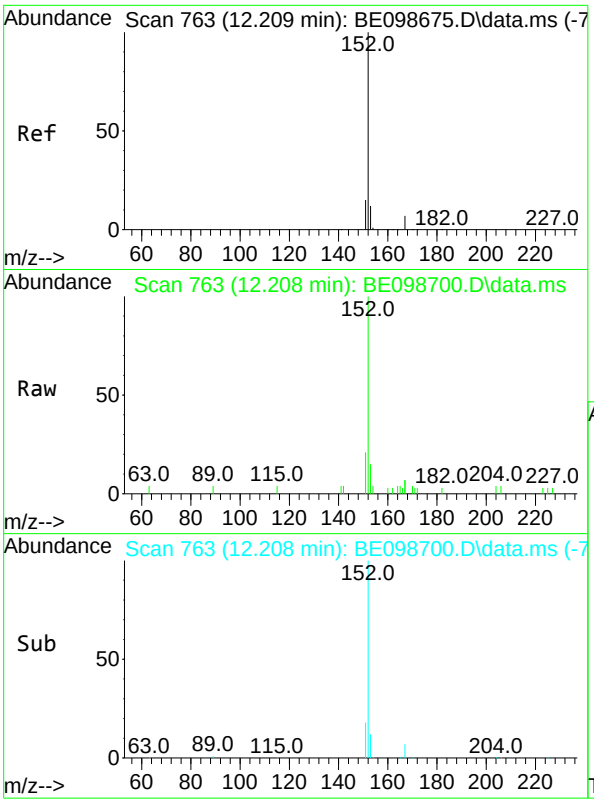
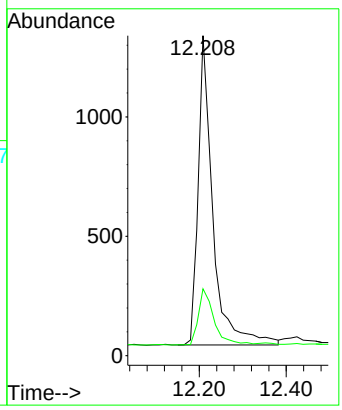
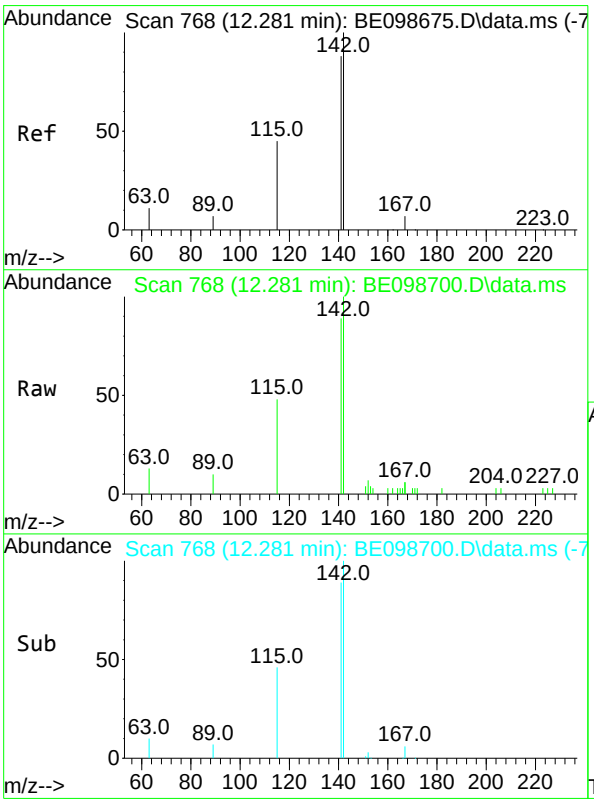


#11
2-Methylnaphthalene-d10
Concen: 0.38 ng
RT: 12.208 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:152 Resp: 3050

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.4

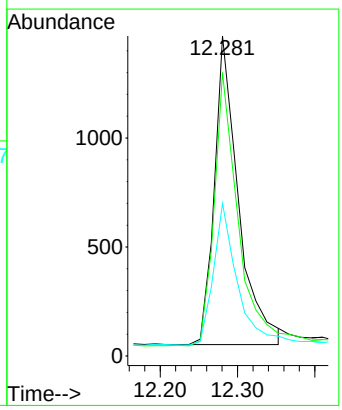




#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.281 min Scan# 768
Delta R.T. -0.000 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:142 Resp: 3066

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.0	105.0
115	47.7	35.2	52.8



Instrument :
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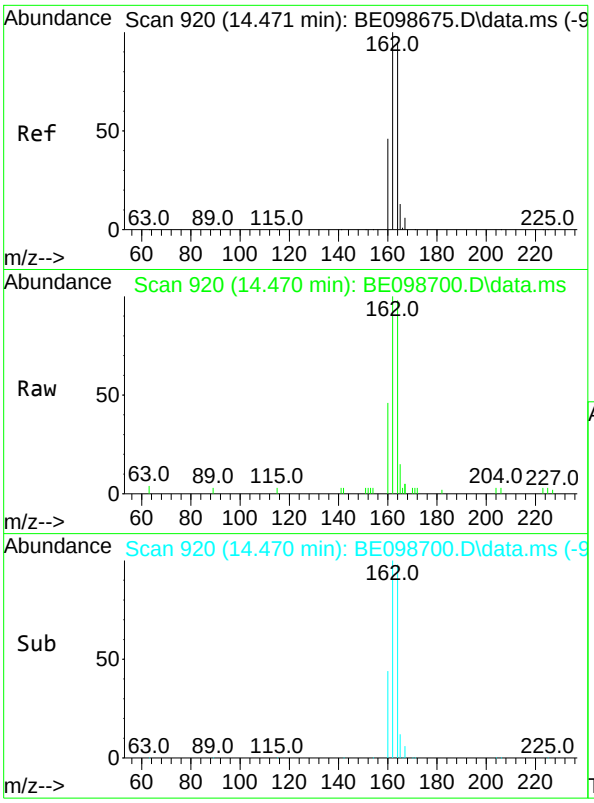
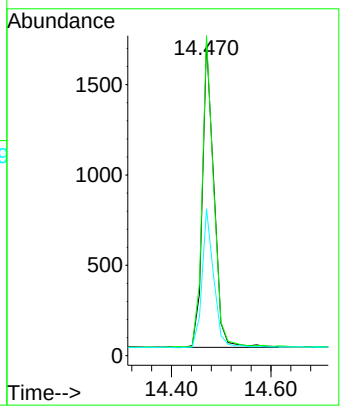
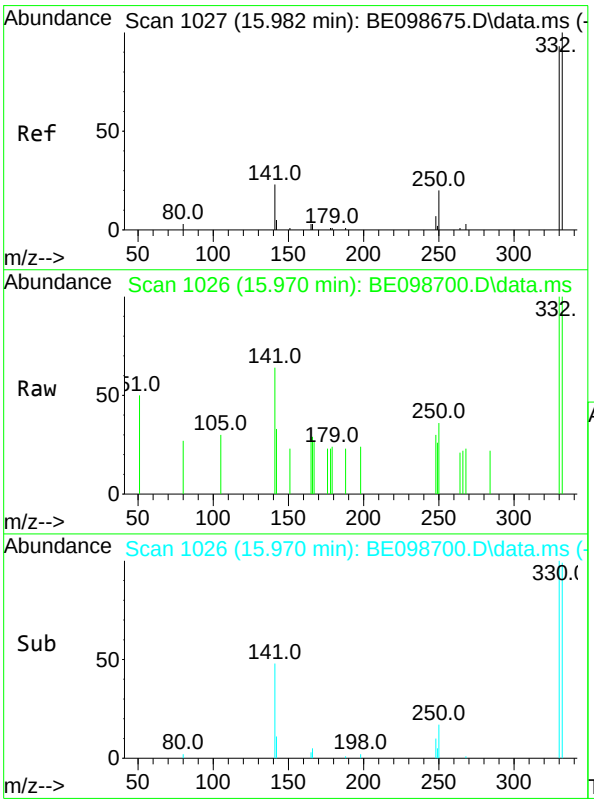


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.470 min Scan# 920
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:164 Resp: 2725

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.5	120.7
160	46.8	40.1	60.1

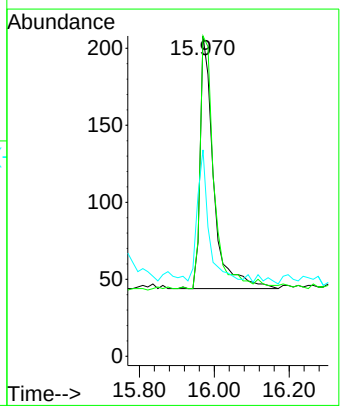




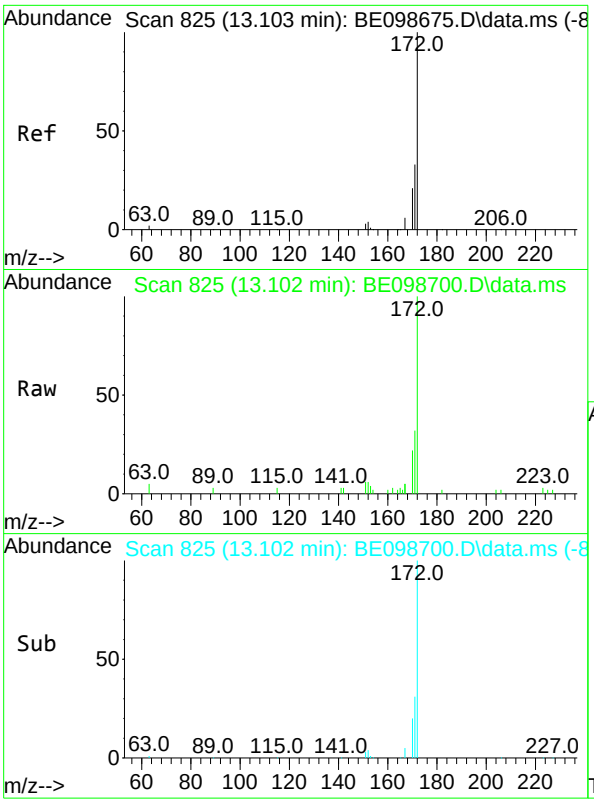
#14
2,4,6-Tribromophenol
Concen: 0.34 ng
RT: 15.970 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:330 Resp: 411

Ion	Ratio	Lower	Upper
330	100		
332	101.2	73.3	109.9
141	44.3	33.1	49.7



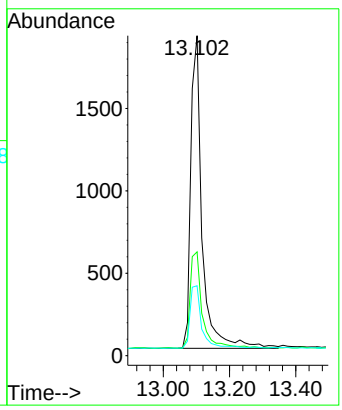
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

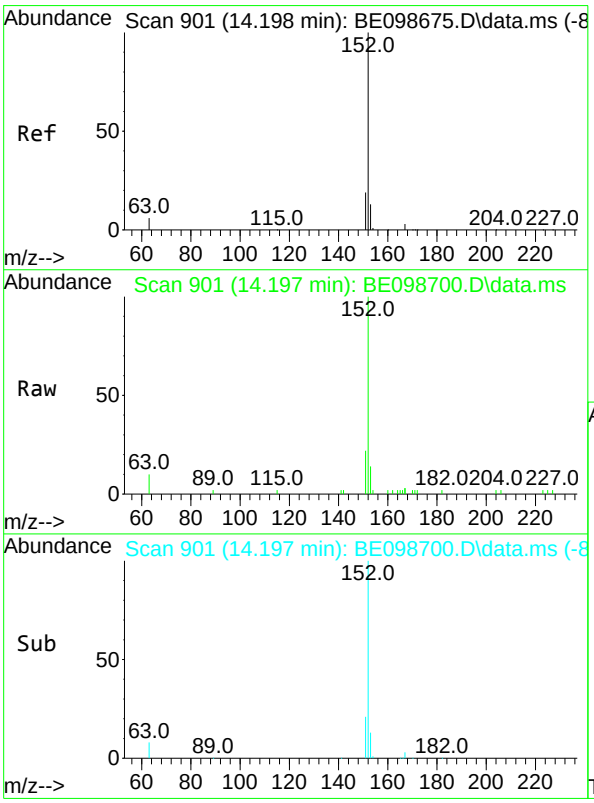


#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.102 min Scan# 825
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:172 Resp: 4524

Ion	Ratio	Lower	Upper
172	100		
171	32.4	29.0	43.4
170	21.9	20.8	31.2

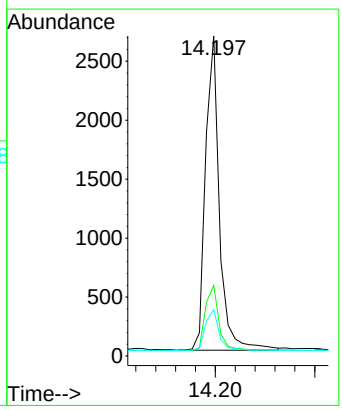




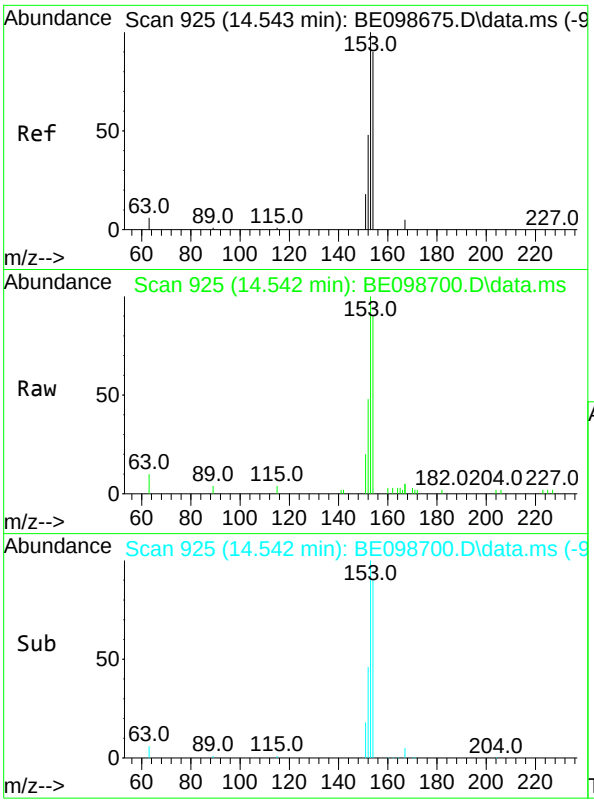
#16
Acenaphthylene
Concen: 0.37 ng
RT: 14.197 min Scan# 901
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:152 Resp: 5150

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.2	10.7	16.1



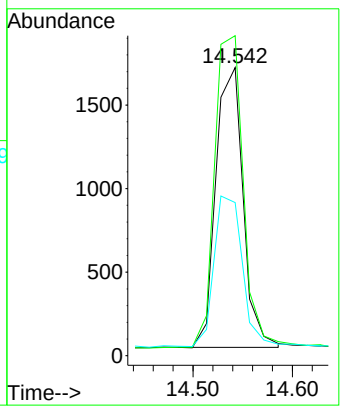
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

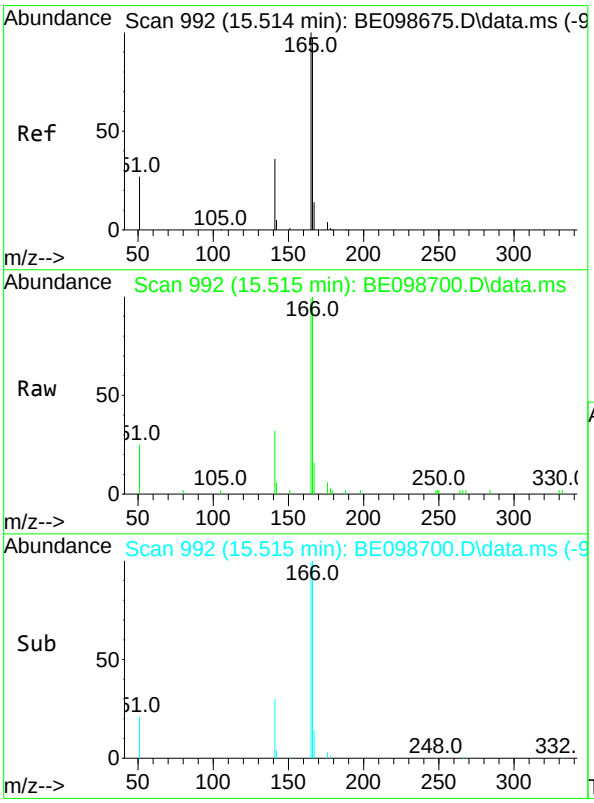


#17
Acenaphthene
Concen: 0.39 ng
RT: 14.542 min Scan# 925
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:154 Resp: 3189

Ion	Ratio	Lower	Upper
154	100		
153	116.9	93.9	140.9
152	55.5	45.8	68.8

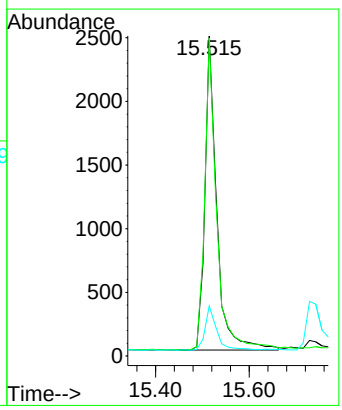




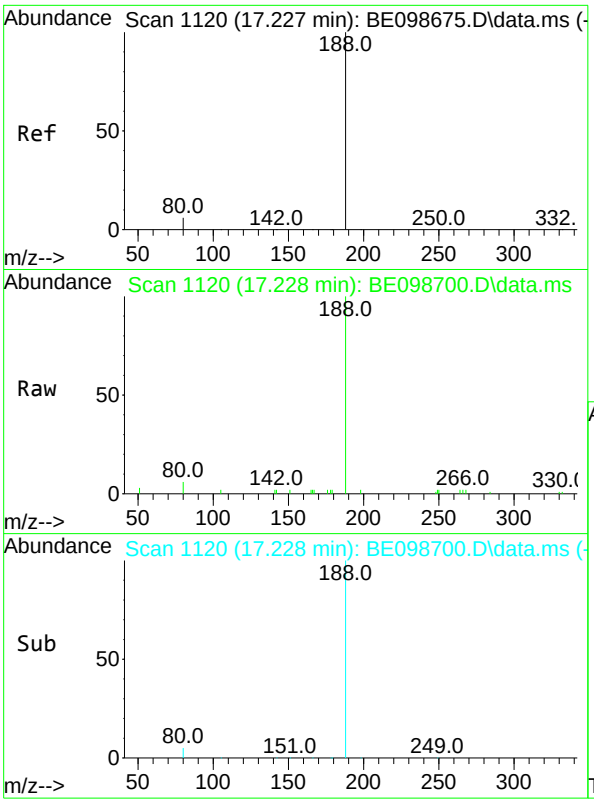
#18
Fluorene
Concen: 0.39 ng
RT: 15.515 min Scan# 992
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:166 Resp: 4344

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.3	118.9
167	14.1	10.6	15.8



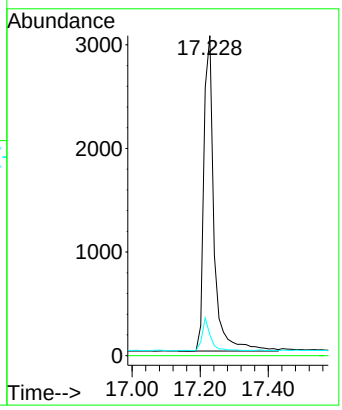
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

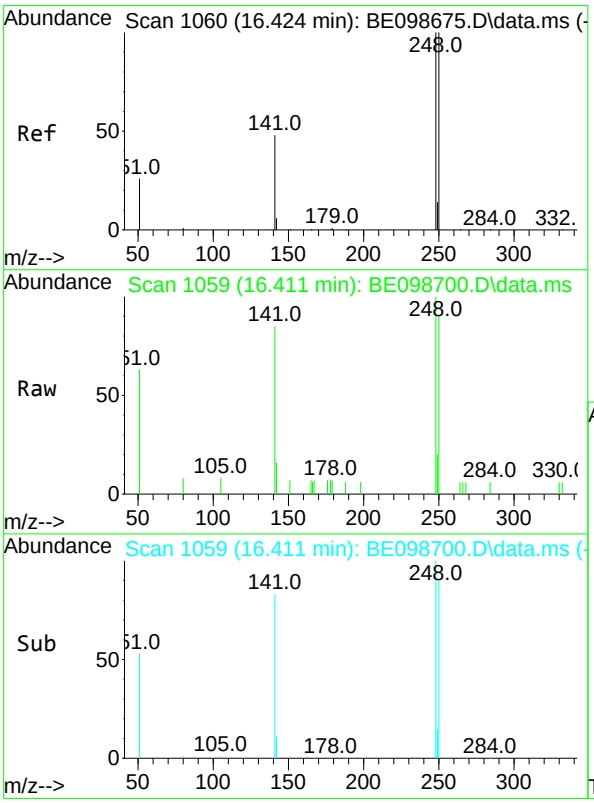


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.228 min Scan# 1120
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:188 Resp: 6302

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.4	4.7	7.1

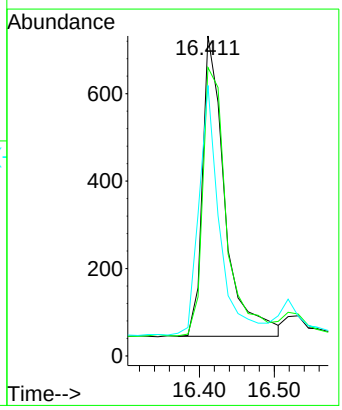




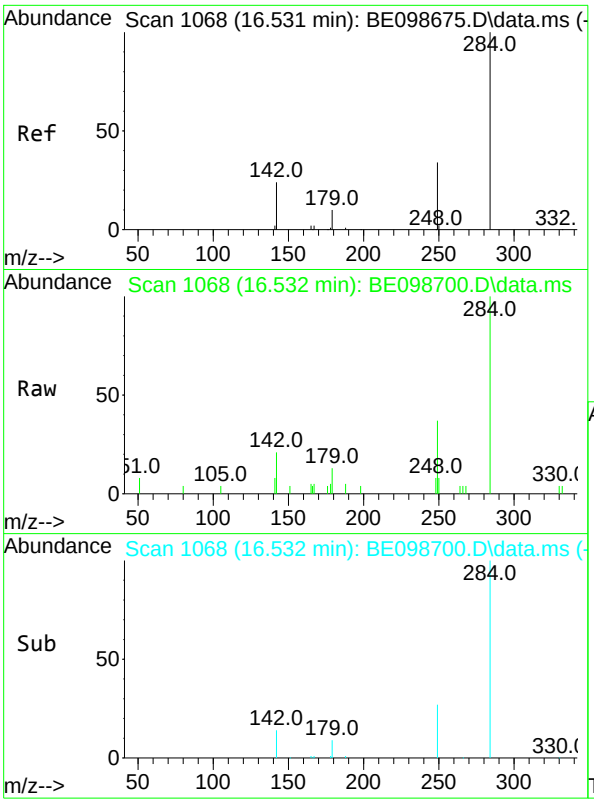
#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.411 min Scan# 1059
Delta R.T. -0.013 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:248 Resp: 1431

Ion	Ratio	Lower	Upper
248	100		
250	90.2	80.2	120.4
141	84.6	60.5	90.7



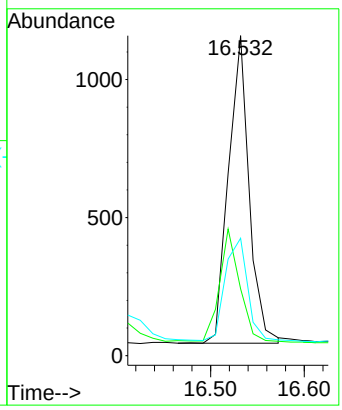
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

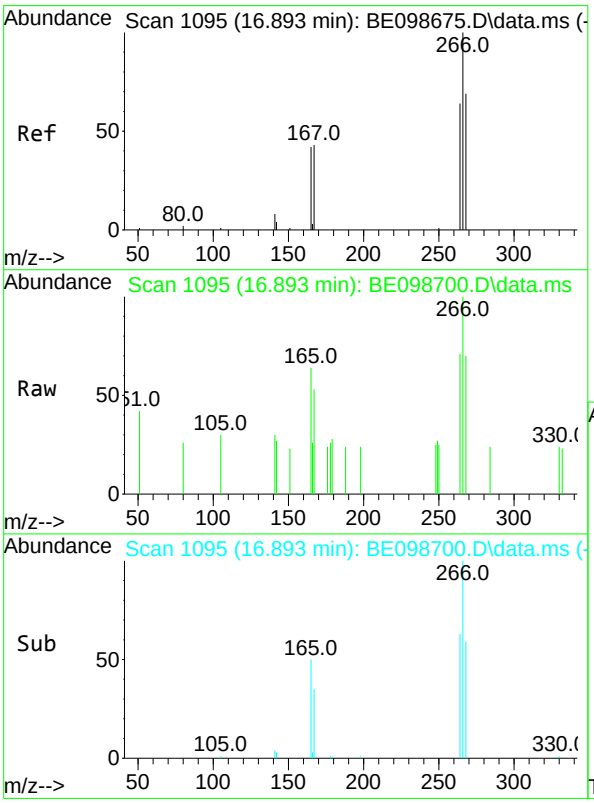


#21
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.532 min Scan# 1068
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:284 Resp: 1712

Ion	Ratio	Lower	Upper
284	100		
142	34.9	25.5	38.3
249	35.7	26.6	39.8

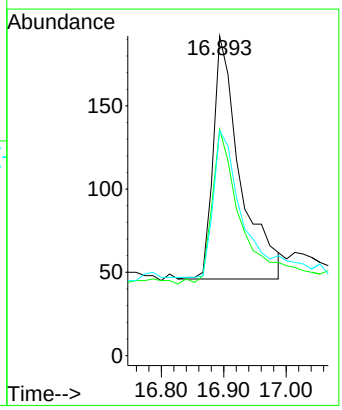




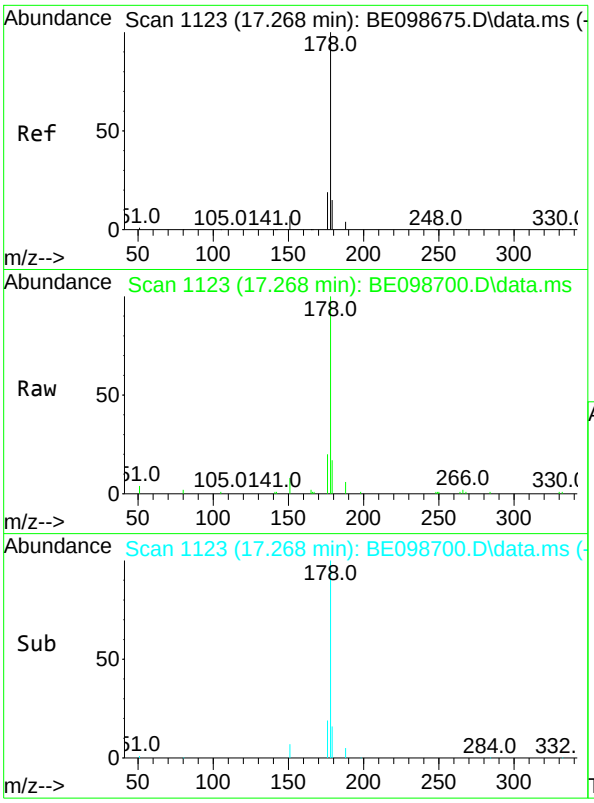
#22
Pentachlorophenol
Concen: 0.39 ng
RT: 16.893 min Scan# 1095
Delta R.T. 0.000 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:266 Resp: 439

Ion	Ratio	Lower	Upper
266	100		
264	70.8	53.7	80.5
268	70.3	59.8	89.8



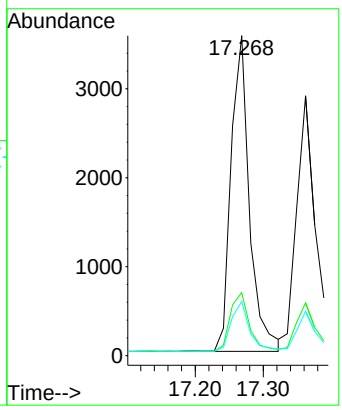
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

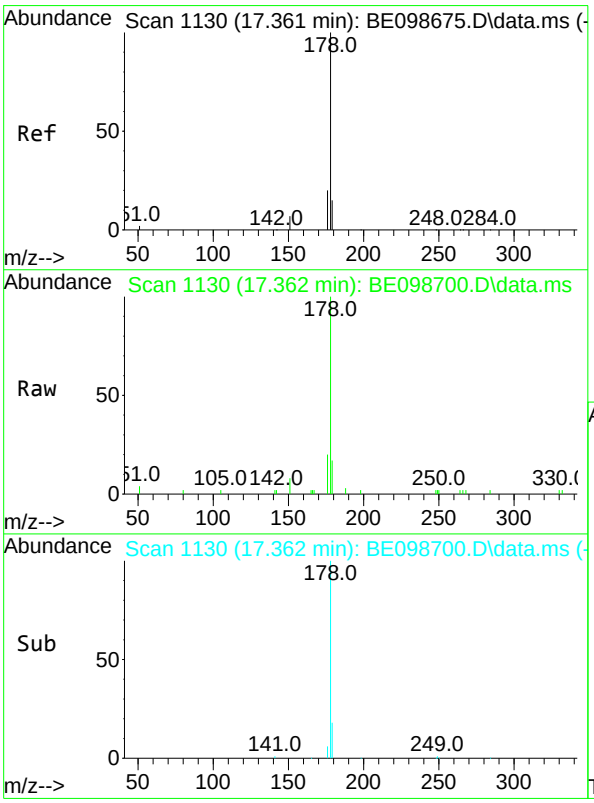


#23
Phenanthrene
Concen: 0.38 ng
RT: 17.268 min Scan# 1123
Delta R.T. 0.000 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:178 Resp: 6667

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.9	12.2	18.4

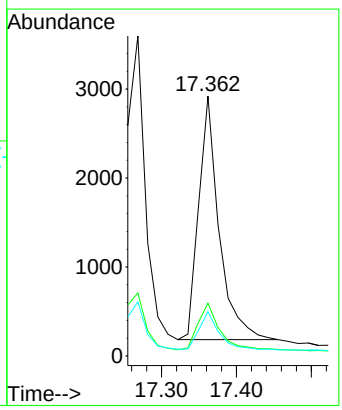




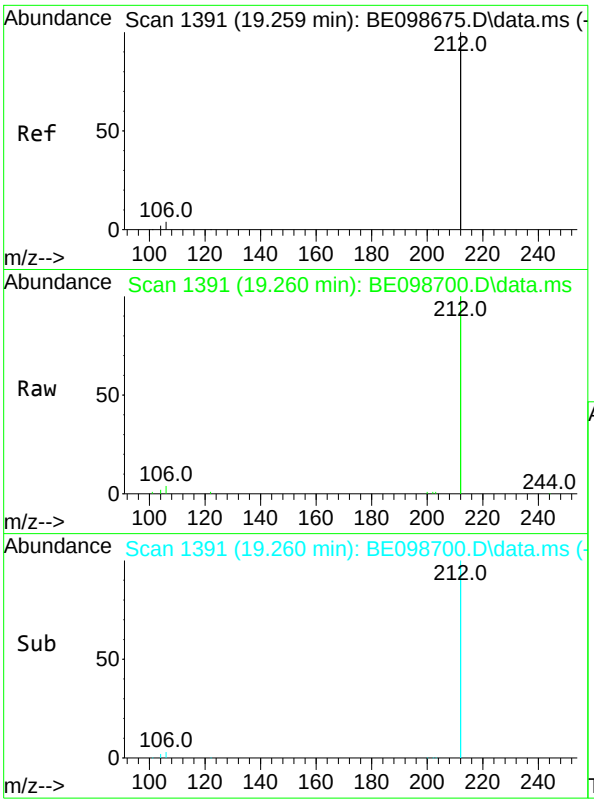
#24
Anthracene
Concen: 0.36 ng
RT: 17.362 min Scan# 1130
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:178 Resp: 5185

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.9	22.3
179	15.6	11.8	17.8



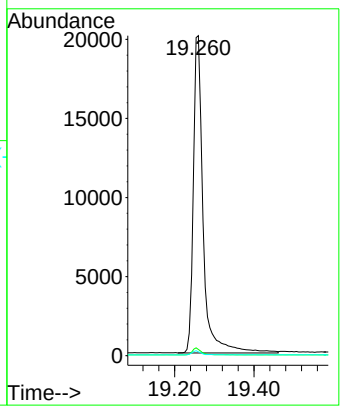
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

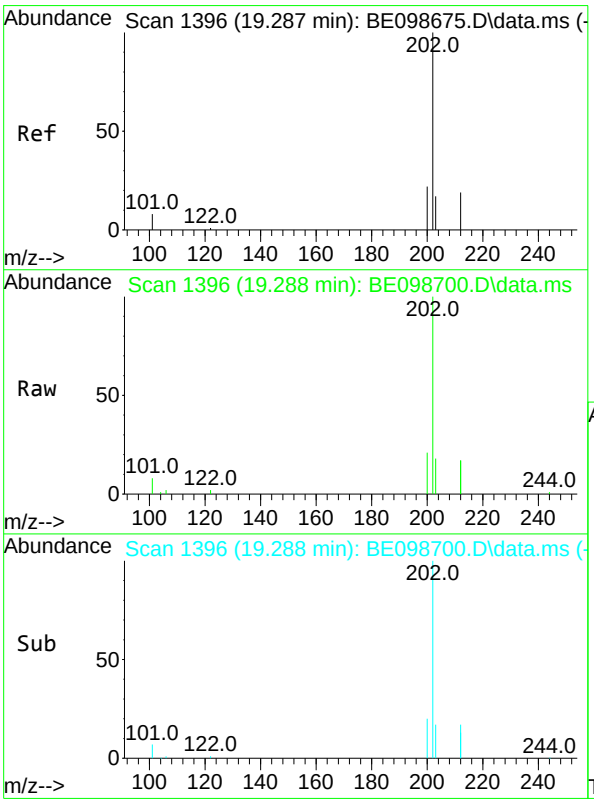


#25
Fluoranthene-d10
Concen: 0.38 ng
RT: 19.260 min Scan# 1391
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:212 Resp: 34621

Ion	Ratio	Lower	Upper
212	100		
106	2.0	1.7	2.5
104	1.1	1.0	1.6

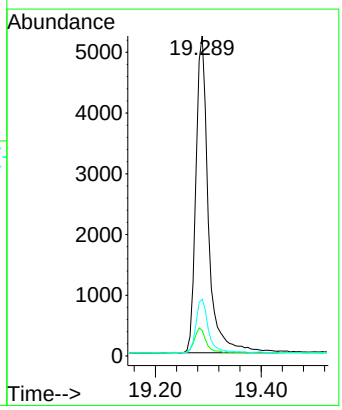




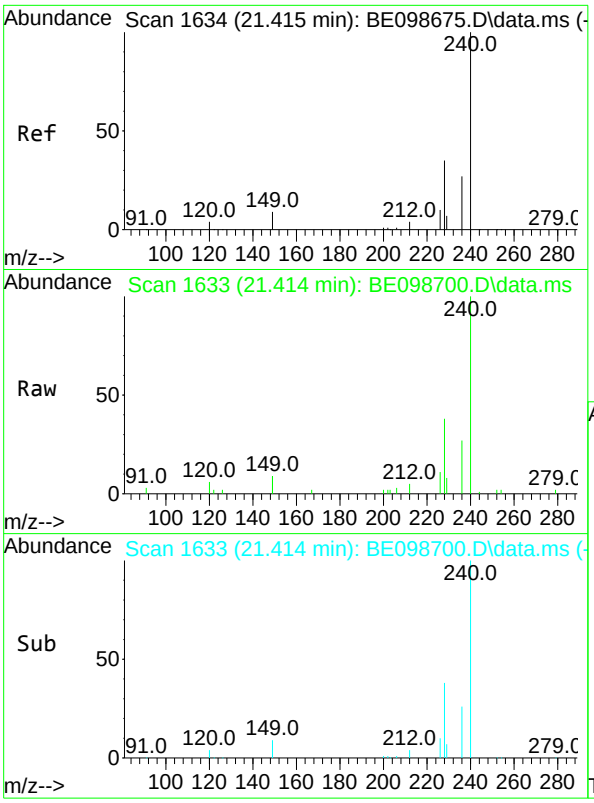
#26
Fluoranthene
Concen: 0.39 ng
RT: 19.288 min Scan# 1396
Delta R.T. 0.002 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:202 Resp: 8605

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.7	10.1
203	16.8	13.3	19.9



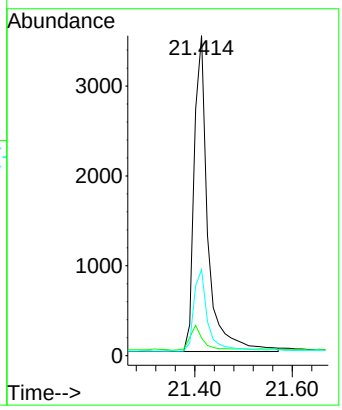
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

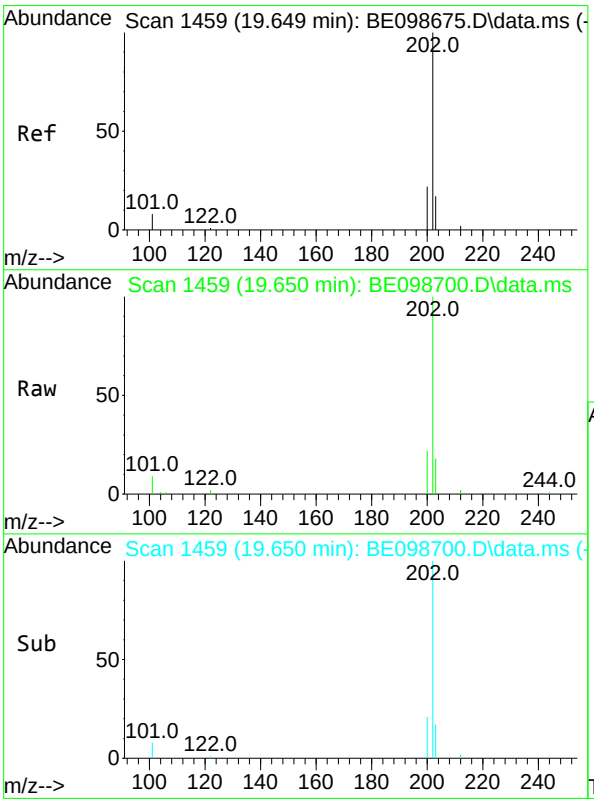


#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.414 min Scan# 1633
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:240 Resp: 6847

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.7	7.1
236	26.9	21.9	32.9

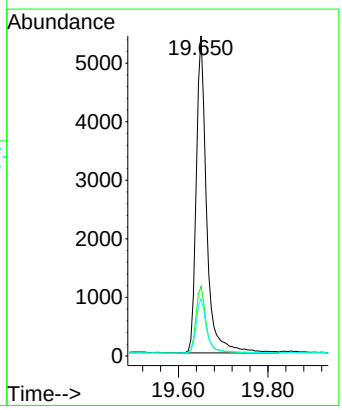




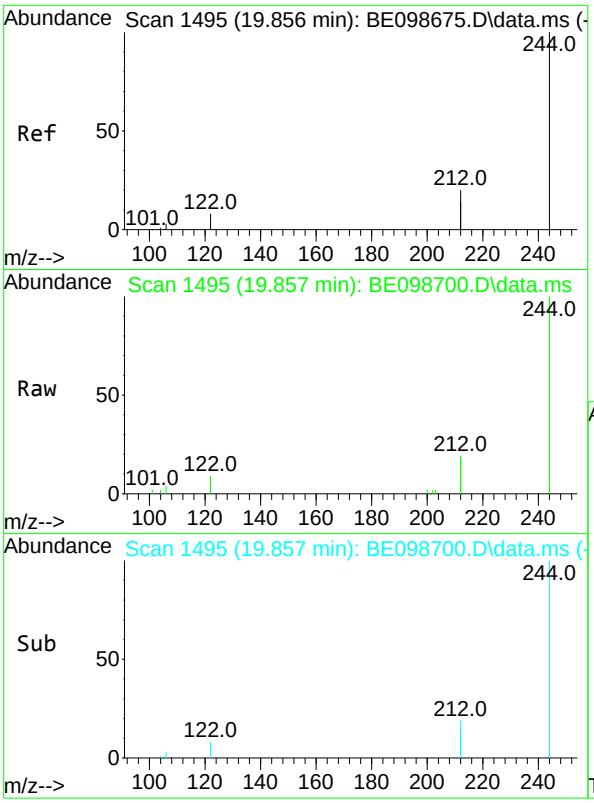
#28
Pyrene
Concen: 0.40 ng
RT: 19.650 min Scan# 1459
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:202 Resp: 8776

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.6	13.8	20.8



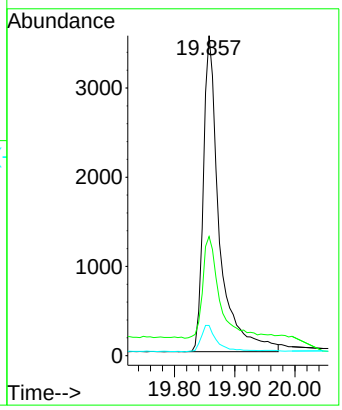
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

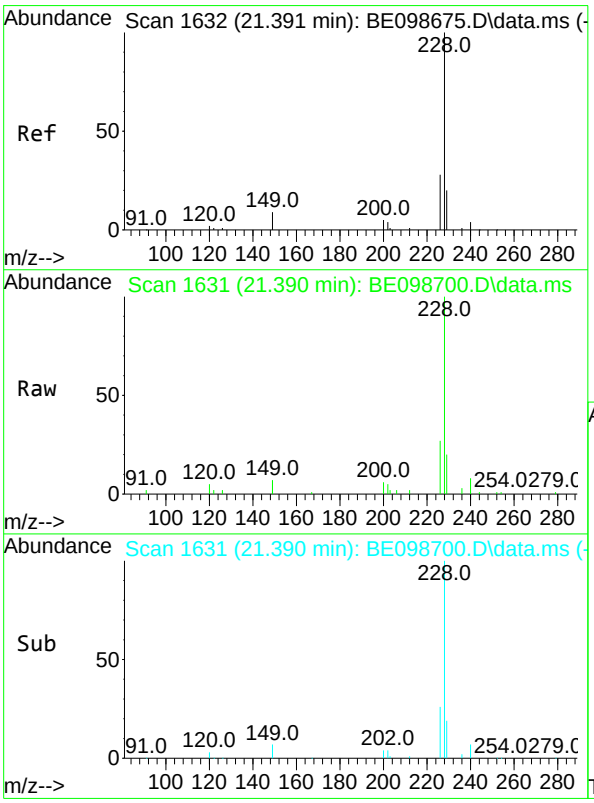


#29
Terphenyl-d14
Concen: 0.39 ng
RT: 19.857 min Scan# 1495
Delta R.T. 0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:244 Resp: 6583

Ion	Ratio	Lower	Upper
244	100		
212	37.2	29.4	44.2
122	9.5	7.1	10.7

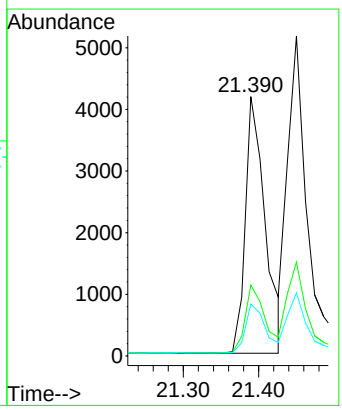


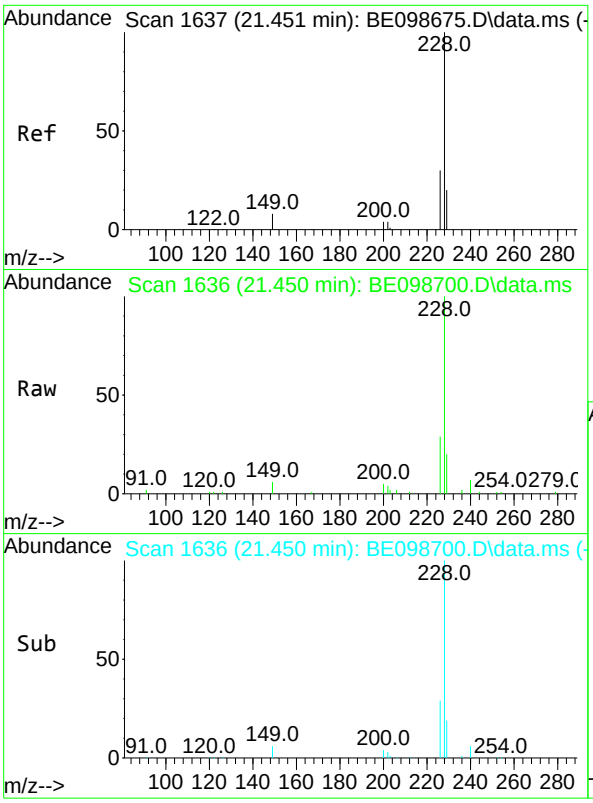


#30
Benzo(a)anthracene
Concen: 0.37 ng
RT: 21.390 min Scan# 1631
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:228 Resp: 7625

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.0	34.4
229	20.1	15.0	22.6

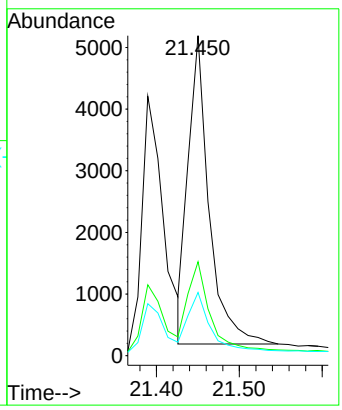




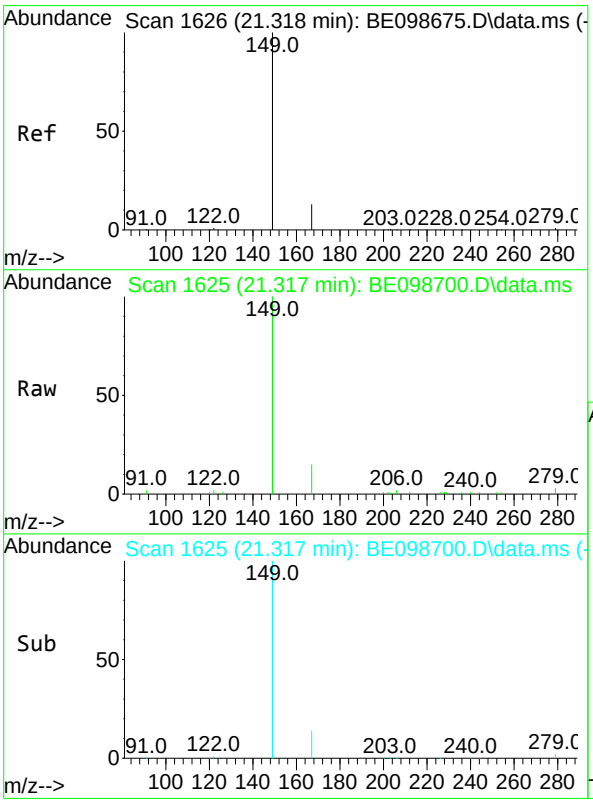
#31
Chrysene
Concen: 0.39 ng
RT: 21.450 min Scan# 1636
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:228 Resp: 8737

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	36.8
229	19.7	16.4	24.6



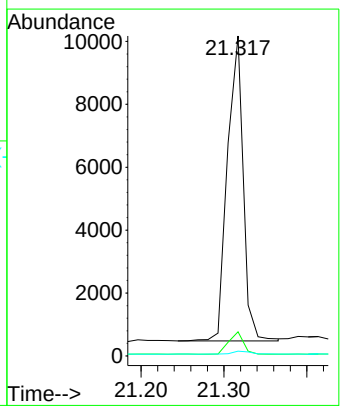
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4



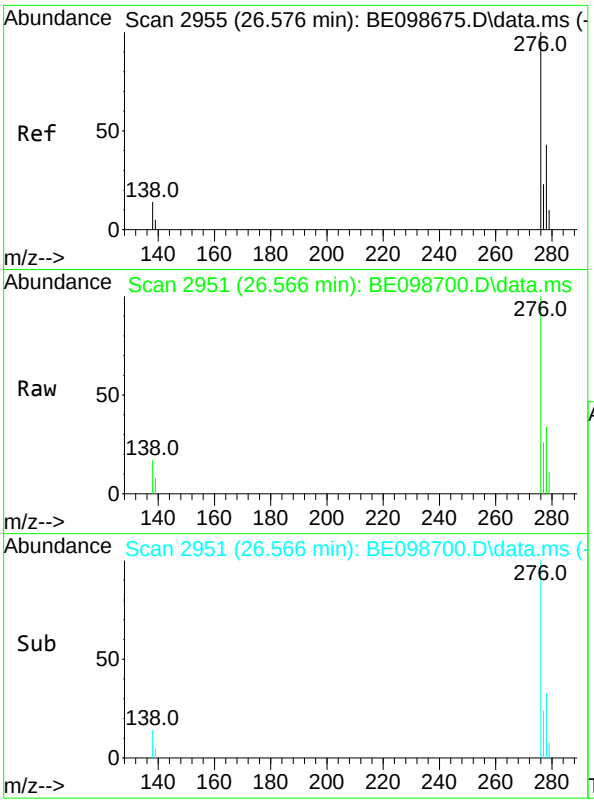
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.317 min Scan# 1625
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:149 Resp: 12889

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.2
279	1.1	1.0	1.4



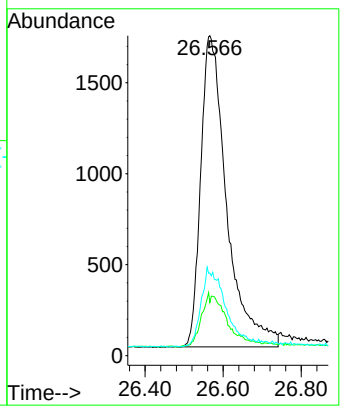
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

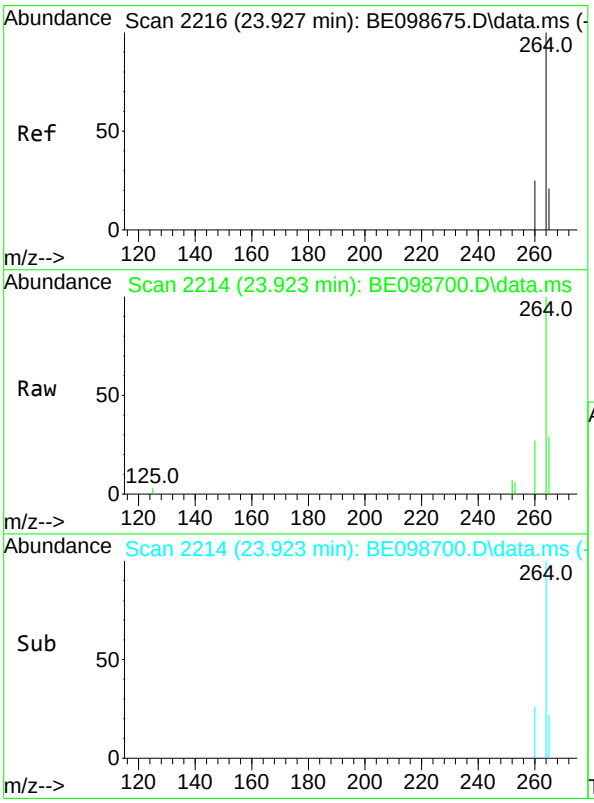


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.34 ng
RT: 26.566 min Scan# 2951
Delta R.T. -0.010 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:276 Resp: 7898

Ion	Ratio	Lower	Upper
276	100		
138	6.0	13.3	19.9#
277	23.6	19.4	29.0

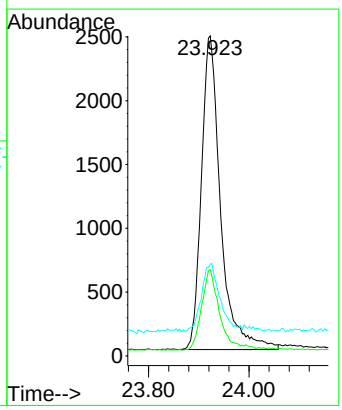




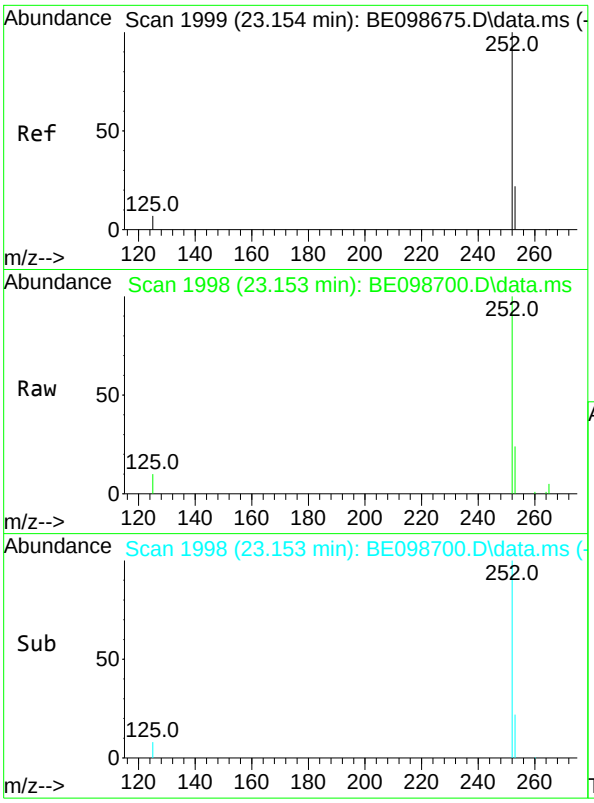
#34
Perylene-d12
Concen: 0.40 ng
RT: 23.923 min Scan# 2214
Delta R.T. -0.004 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:264 Resp: 6519

Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.5	30.7
265	28.7	22.3	33.5



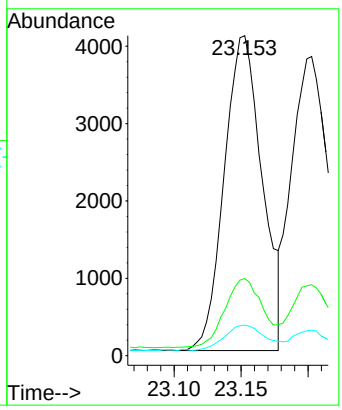
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

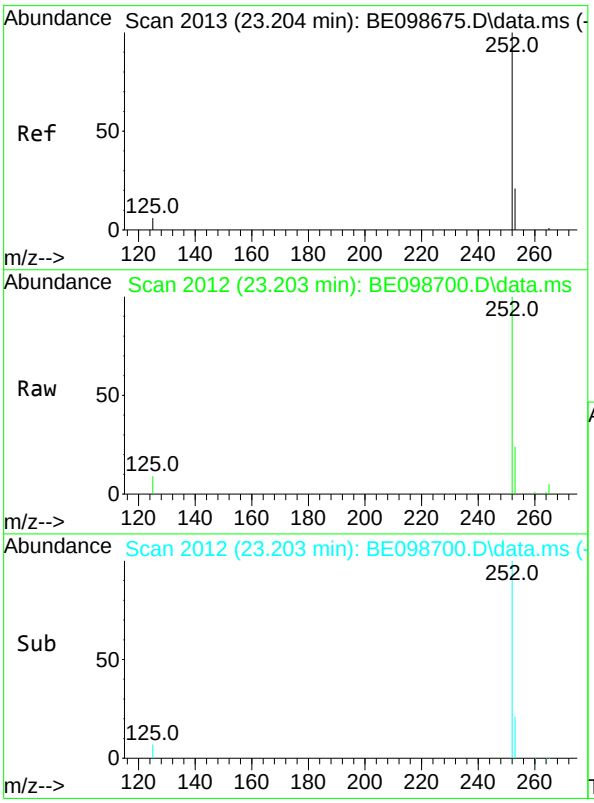


#35
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 23.153 min Scan# 1998
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:252 Resp: 8030

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.4	29.0
125	9.5	8.2	12.4

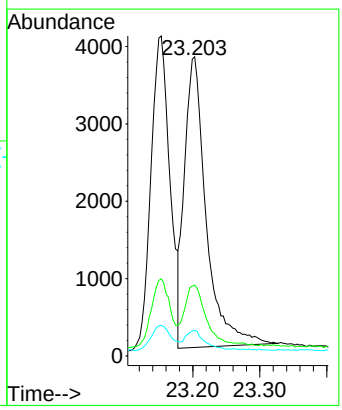




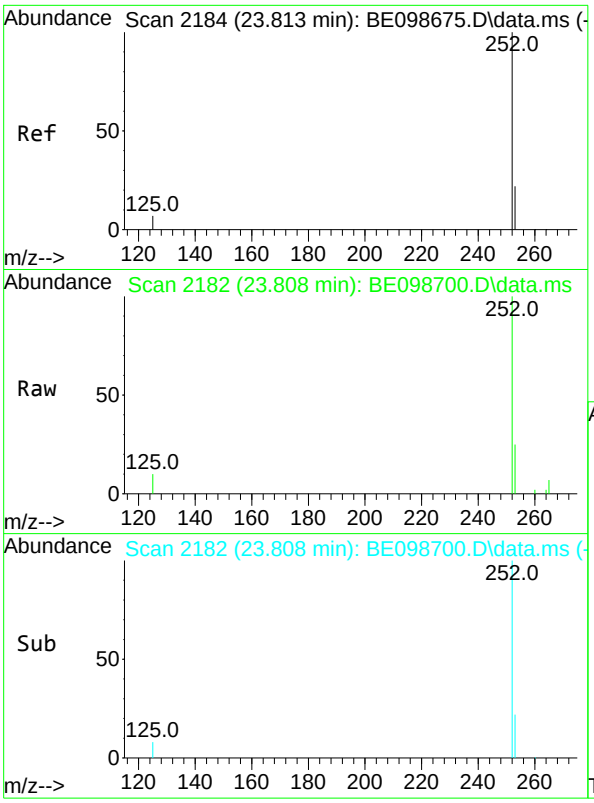
#36
Benzo(k)fluoranthene
Concen: 0.38 ng
RT: 23.203 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:252 Resp: 8495

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.4
125	8.6	7.0	10.4



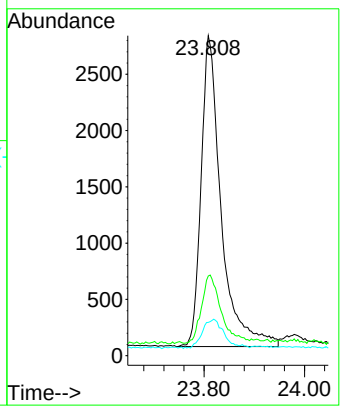
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

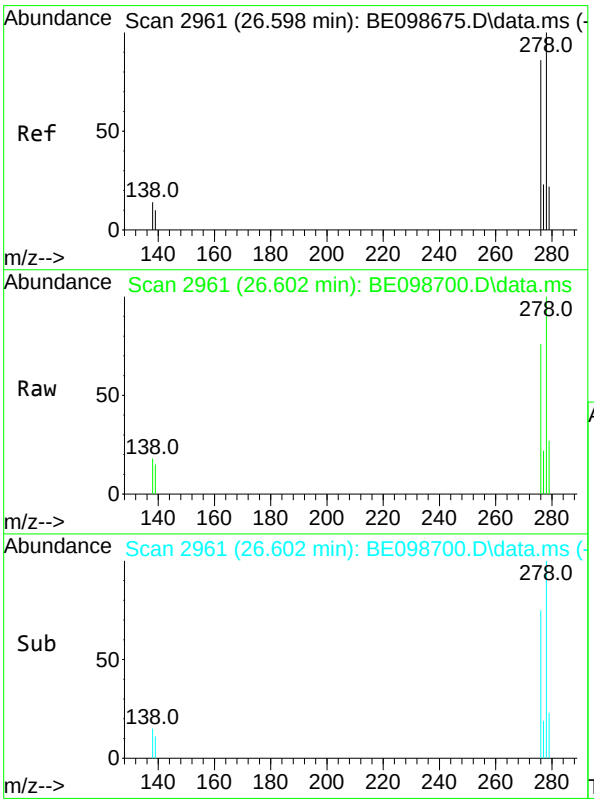


#37
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.808 min Scan# 2182
Delta R.T. -0.005 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:252 Resp: 7636

Ion	Ratio	Lower	Upper
252	100		
253	24.9	21.0	31.4
125	10.4	9.2	13.8

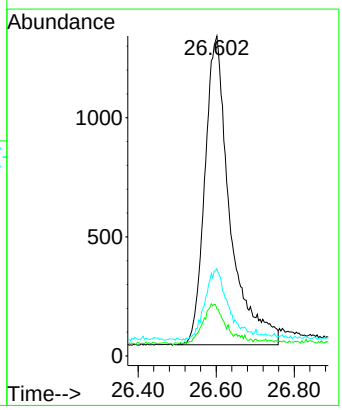


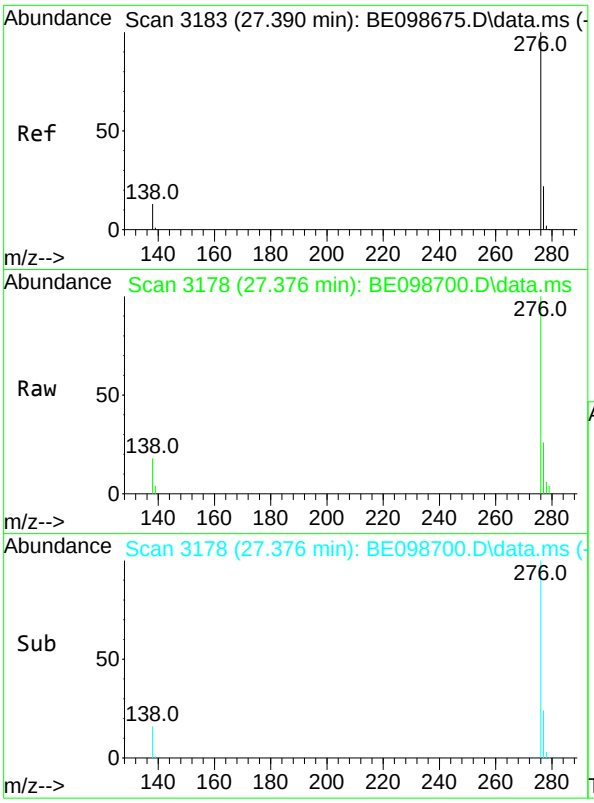


#38
Dibenzo(a,h)anthracene
Concen: 0.31 ng
RT: 26.602 min Scan# 2961
Delta R.T. 0.004 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:278 Resp: 5781

Ion	Ratio	Lower	Upper
278	100		
139	14.7	12.7	19.1
279	27.3	22.0	33.0

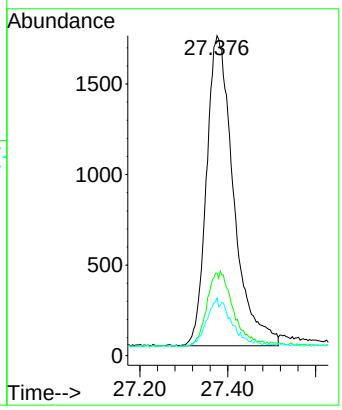




#39
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 27.376 min Scan# 3178
Delta R.T. -0.014 min
Lab File: BE098700.D
Acq: 4 Feb 2019 9:28

Tgt Ion:276 Resp: 7299

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.3	30.5
138	18.1	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4