Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041221\
Data File : BE101289.D
Acq On : 12 Apr 2021 21:11
Operator : CG/JU
Sample : SP5533
Misc : 8270 SIM SPIKE
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SP5533

Quant Time: Apr 13 01:46:22 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE041221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 12 18:02:55 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.829	152	2421	0.40	ng	0.00
7) Naphthalene-d8	10.615	136	9767	0.40	ng	# 0.00
13) Acenaphthene-d10	14.444	164	5307	0.40	ng	0.00
19) Phenanthrene-d10	17.195	188	11165	0.40	ng	# 0.00
29) Chrysene-d12	21.354	240	13595	0.40	ng	0.00
36) Perylene-d12	23.835	264	16799	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.422	112	18	0.00	ng	0.00
5) Phenol-d6	7.012	99	15	0.00	ng	0.01
8) Nitrobenzene-d5	8.978	82	16	0.00	ng	0.00
11) 2-Methylnaphthalene-d10	12.153	152	387	0.02	ng	-0.04
14) 2,4,6-Tribromophenol	15.910	330	8	0.01	ng	-0.05
15) 2-Fluorobiphenyl	13.075	172	22	0.00	ng	0.00
27) Fluoranthene-d10	19.209	212	47	0.00	ng	0.00
31) Terphenyl-d14	19.806	244	22	0.00	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.372	88	1765	0.42	ng	# 63
3) n-Nitrosodimethylamine	3.672	42	2079	0.44	ng	# 91
6) bis(2-Chloroethyl)ether	7.254	93	3912	0.47	ng	99
9) Naphthalene	10.667	128	48119	0.46	ng	100
10) Hexachlorobutadiene	10.953	225	2118	0.47	ng	99
12) 2-Methylnaphthalene	12.268	142	7702	0.41	ng	94
16) Acenaphthylene	14.170	152	10348	0.48	ng	99
17) Acenaphthene	14.501	154	7100	0.47	ng	97
18) Fluorene	15.502	166	8327	0.41	ng	98
20) 4,6-Dinitro-2-methylph...	15.577	198	336	0.38	ng	# 67
21) 4-Bromophenyl-phenylether	16.394	248	2659	0.46	ng	# 75
22) Hexachlorobenzene	16.515	284	2610	0.47	ng	99
23) Atrazine	16.666	200	2155	0.42	ng	95
24) Pentachlorophenol	16.862	266	430	0.83	ng	98
25) Phenanthrene	17.240	178	14656	0.45	ng	100
26) Anthracene	17.331	178	13035	0.45	ng	100
28) Fluoranthene	19.243	202	16507	0.39	ng	100
30) Pyrene	19.605	202	17757	0.41	ng	100
32) Benzo(a)anthracene	21.342	228	19460	0.46	ng	99
33) Chrysene	21.390	228	20115	0.45	ng	99
34) Bis(2-ethylhexyl)phtha...	21.270	149	31807	0.56	ng	99
35) Indeno(1,2,3-cd)pyrene	26.452	276	28589	0.65	ng	100
37) Benzo(b)fluoranthene	23.076	252	23955	0.42	ng	100
38) Benzo(k)fluoranthene	23.125	252	24123	0.41	ng	99
39) Benzo(a)pyrene	23.724	252	21452	0.42	ng	99
40) Dibenzo(a,h)anthracene	26.481	278	23887	0.47	ng	99
41) Benzo(g,h,i)perylene	27.258	276	24935	0.48	ng	99

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

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Misc : 8270 SIM SPIKE
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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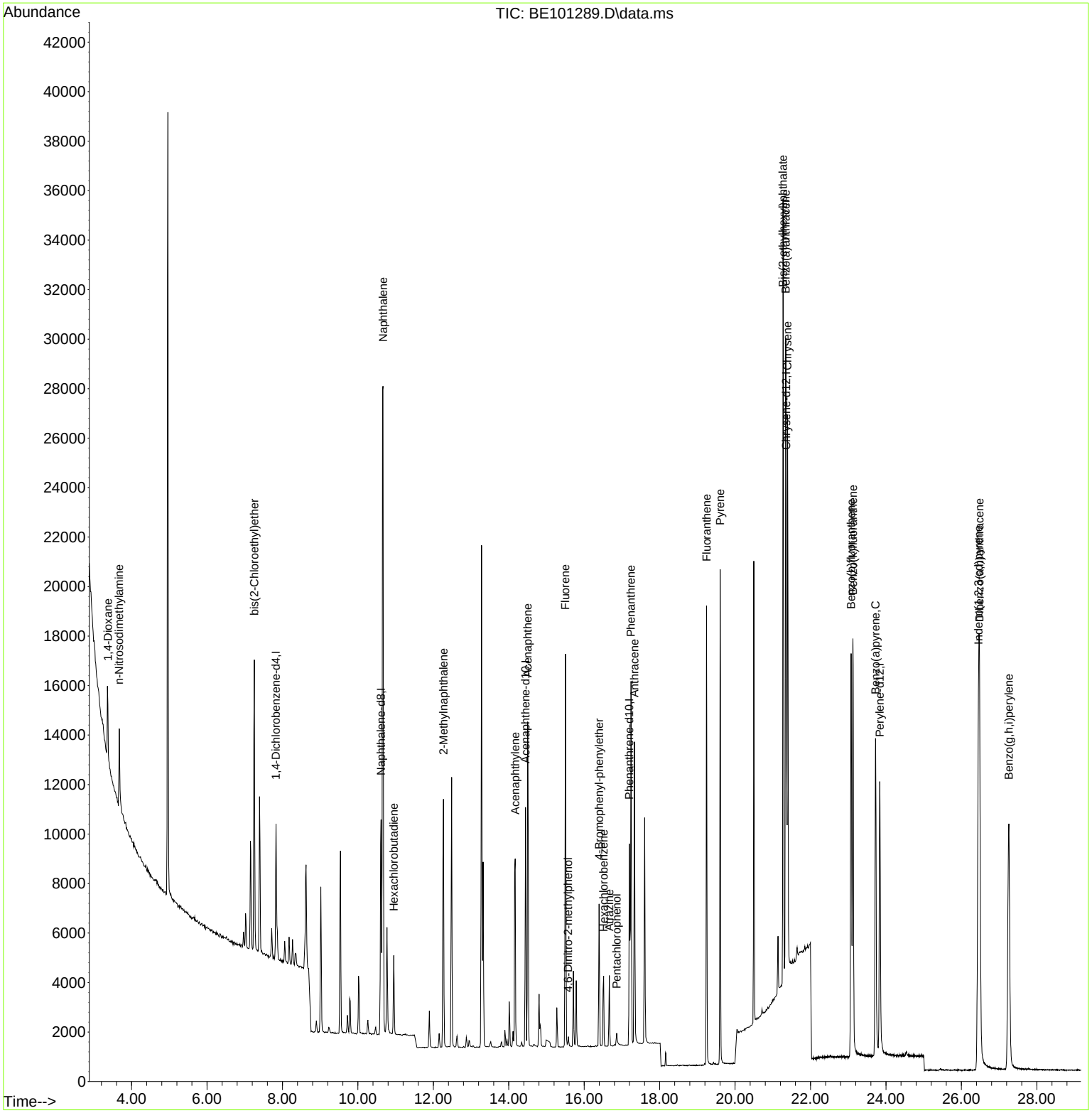
Quant Time: Apr 13 01:46:22 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE041221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 12 18:02:55 2021
Response via : Initial Calibration



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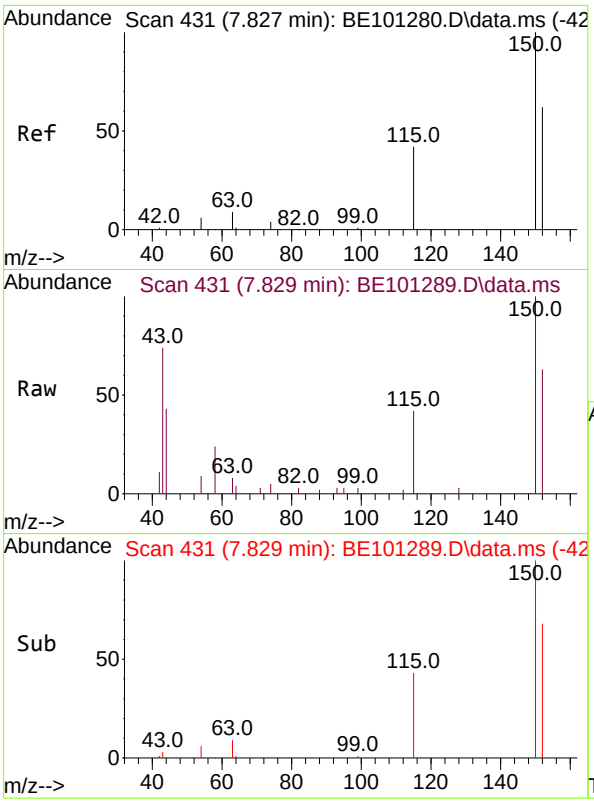
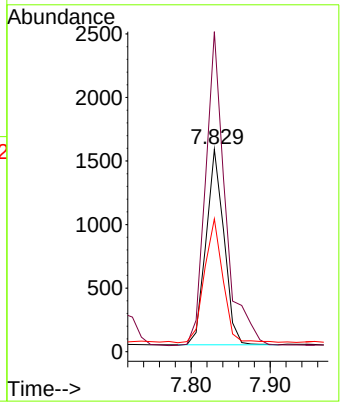
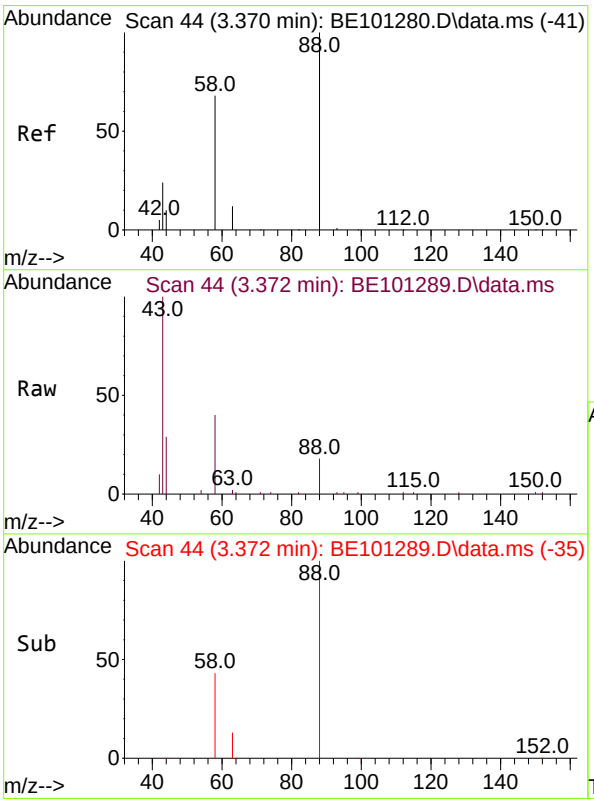


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.829 min Scan# 431
Delta R.T. 0.002 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:152 Resp: 2421

Ion	Ratio	Lower	Upper
152	100		
150	158.1	116.9	175.3
115	65.6	44.5	66.7

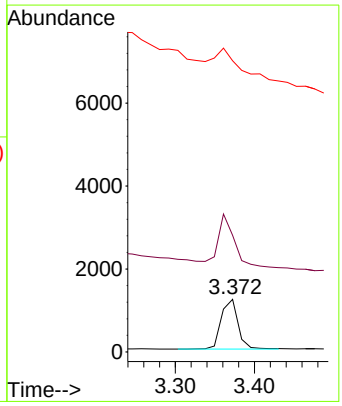


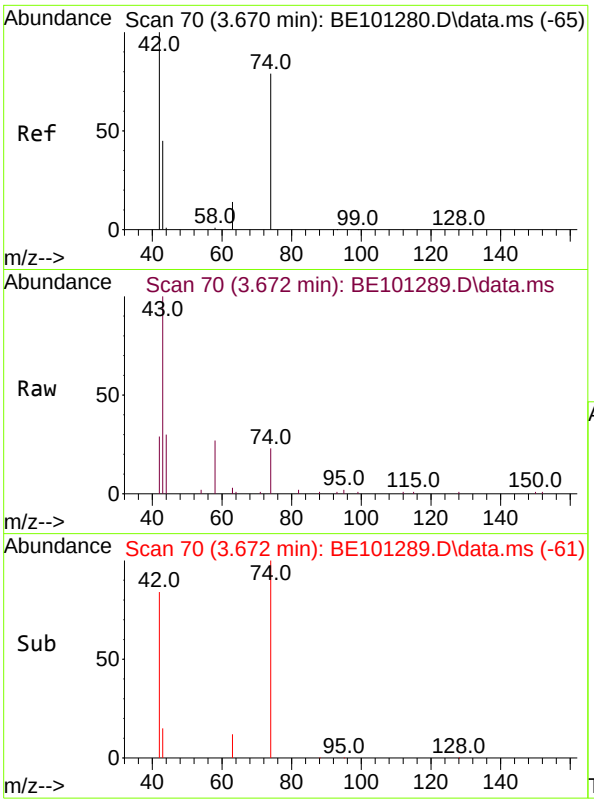


#2
1,4-Dioxane
Concen: 0.42 ng
RT: 3.372 min Scan# 44
Delta R.T. 0.002 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion: 88 Resp: 1765

Ion	Ratio	Lower	Upper
88	100		
58	103.1	73.6	110.4
43	95.4	27.6	41.4#

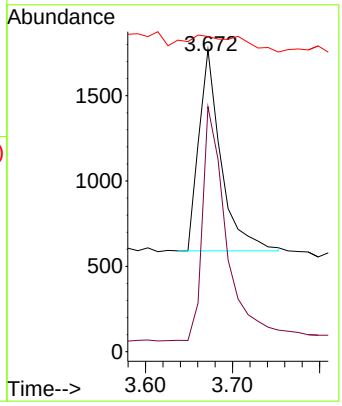


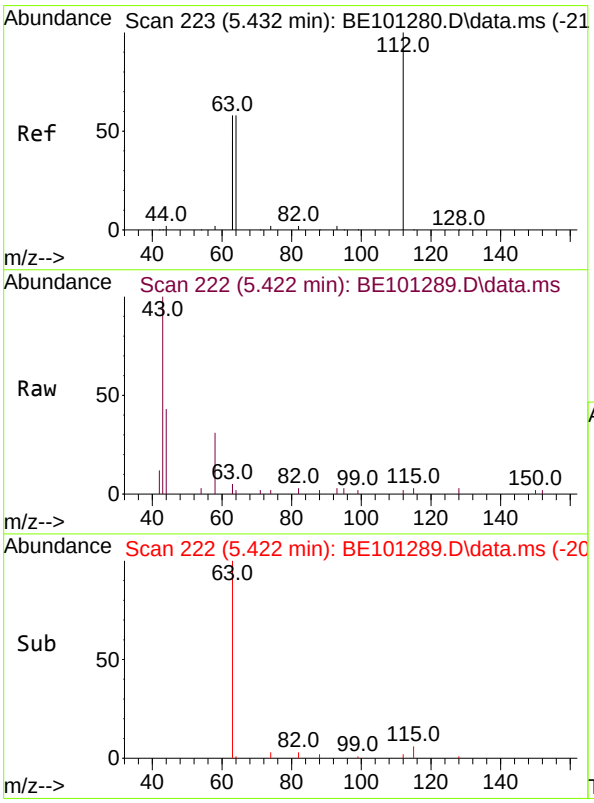


#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.672 min Scan# 70
Delta R.T. 0.002 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion: 42 Resp: 2079

Ion	Ratio	Lower	Upper
42	100		
74	125.6	92.7	139.1
44	17.8	10.7	16.1#

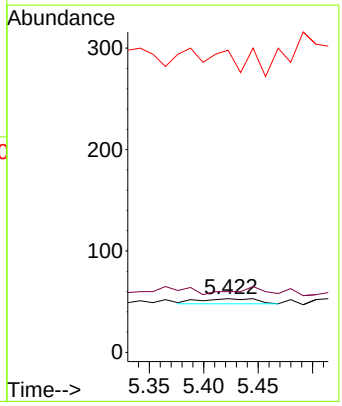




#4
2-Fluorophenol
Concen: 0.00 ng
RT: 5.422 min Scan# 222
Delta R.T. -0.010 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:112 Resp: 18

Ion	Ratio	Lower	Upper
112	100		
64	0.0	62.3	93.5#
63	0.0	117.3	175.9#



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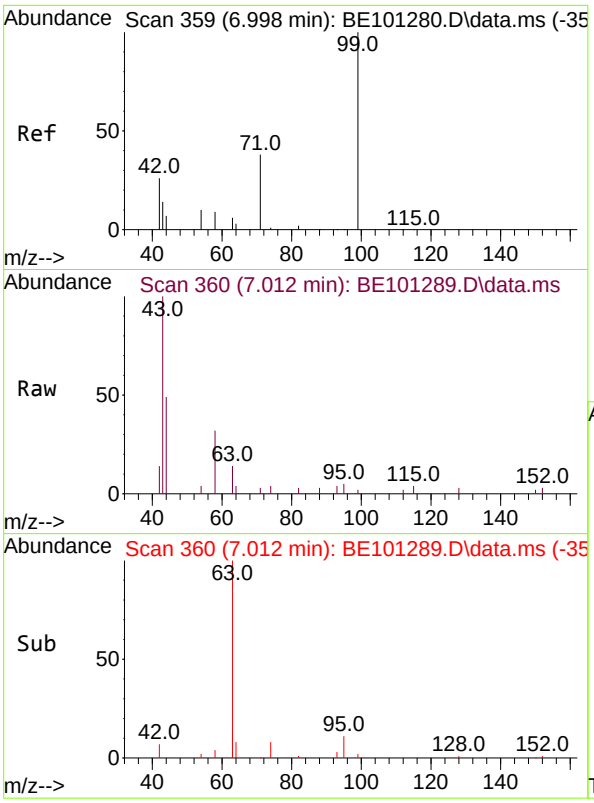
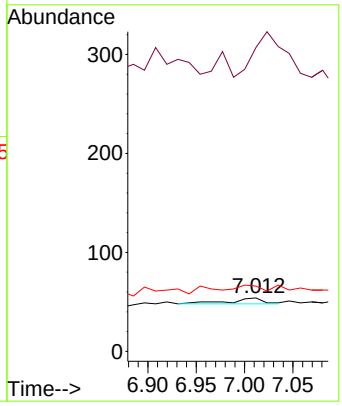
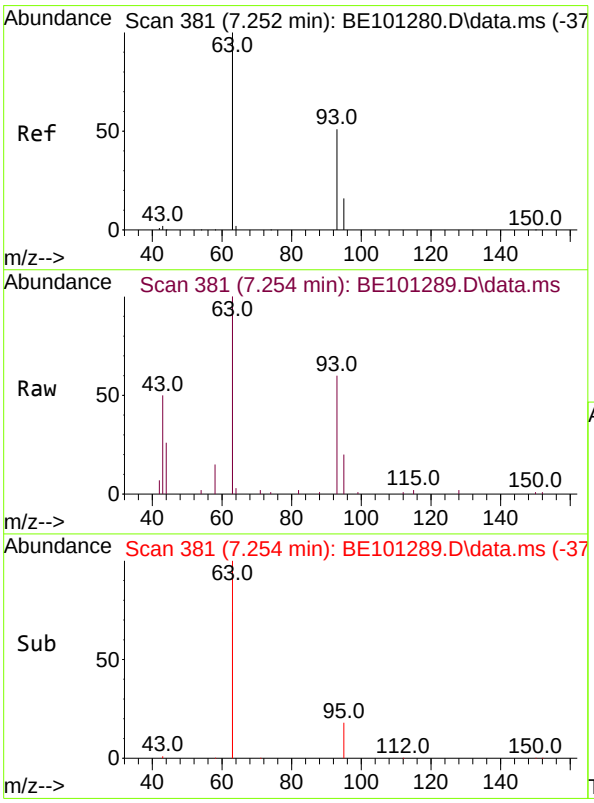


#5
Phenol-d6
Concen: 0.00 ng
RT: 7.012 min Scan# 360
Delta R.T. 0.013 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion: 99 Resp: 15

Ion	Ratio	Lower	Upper
99	100		
42	660.0	18.5	27.7#
71	0.0	26.5	39.7#

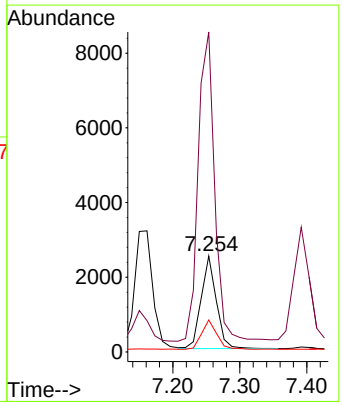




#6
bis(2-Chloroethyl)ether
Concen: 0.47 ng
RT: 7.254 min Scan# 381
Delta R.T. 0.002 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion: 93 Resp: 3912

Ion	Ratio	Lower	Upper
93	100		
63	362.9	292.5	438.7
95	31.6	25.7	38.5



Instrument :
BNA_E
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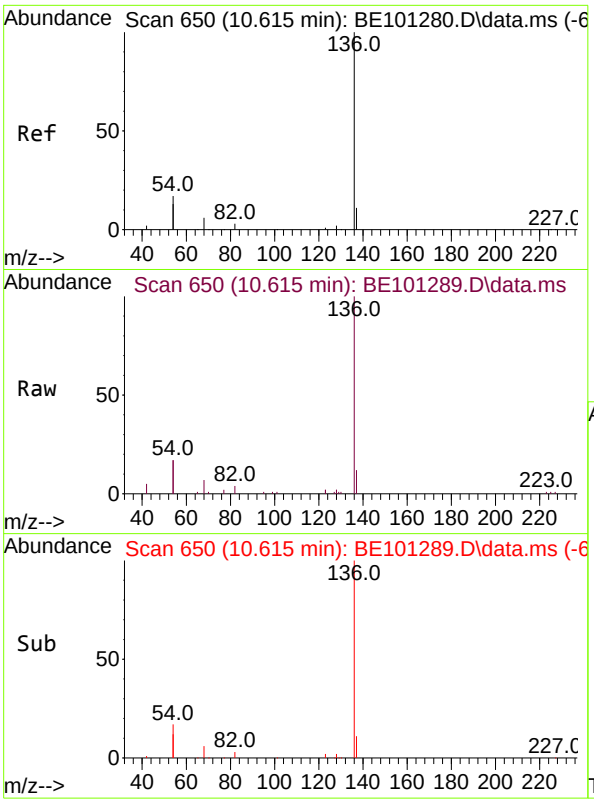
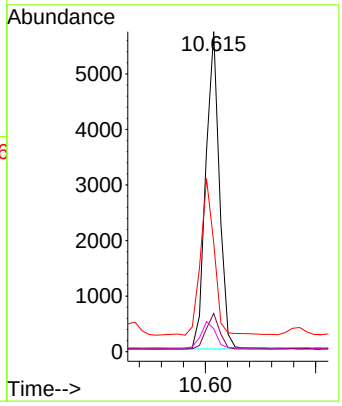
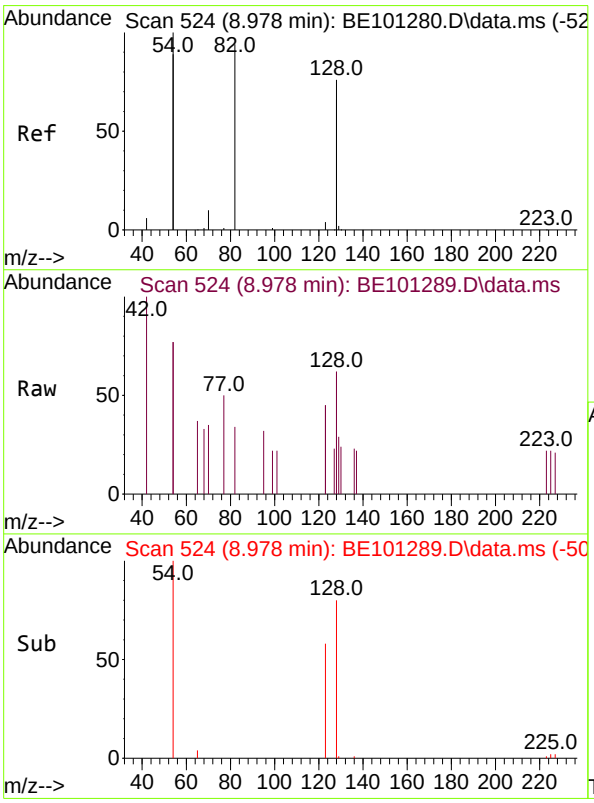


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.615 min Scan# 650
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:136 Resp: 9767

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.6	13.0
54	34.0	34.7	52.1#
68	7.2	7.0	10.4

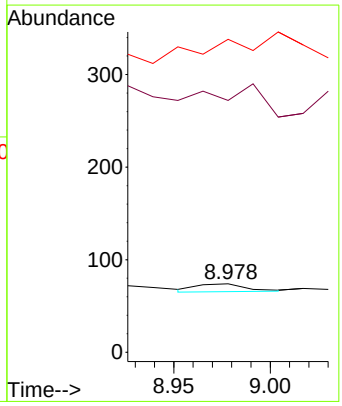


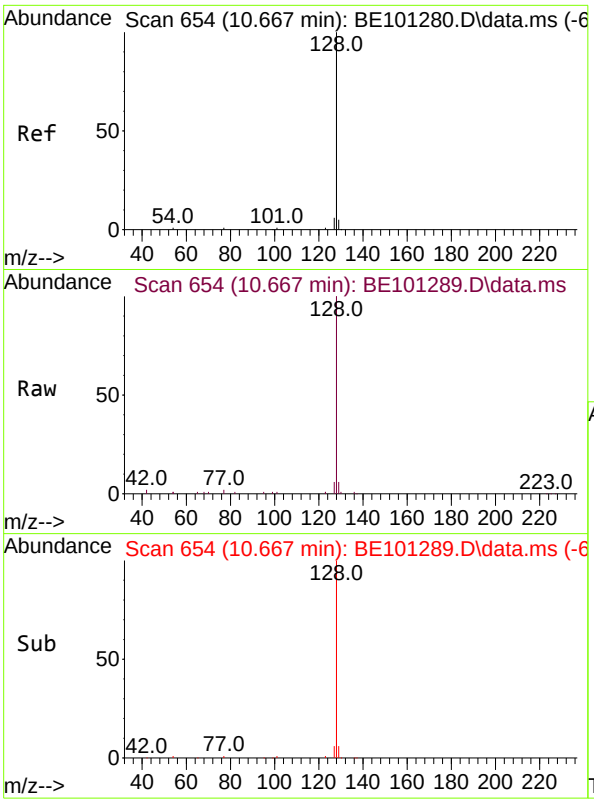


#8
Nitrobenzene-d5
Concen: 0.00 ng
RT: 8.978 min Scan# 524
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion: 82 Resp: 16

Ion	Ratio	Lower	Upper
82	100		
128	367.6	118.7	178.1#
54	456.8	164.4	246.6#

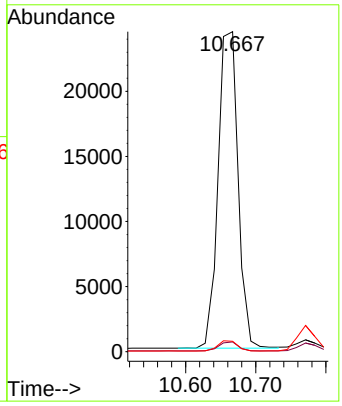




#9
Naphthalene
Concen: 0.46 ng
RT: 10.667 min Scan# 654
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:128 Resp: 48119

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.4
127	3.2	2.6	3.8



Instrument :
BNA_E
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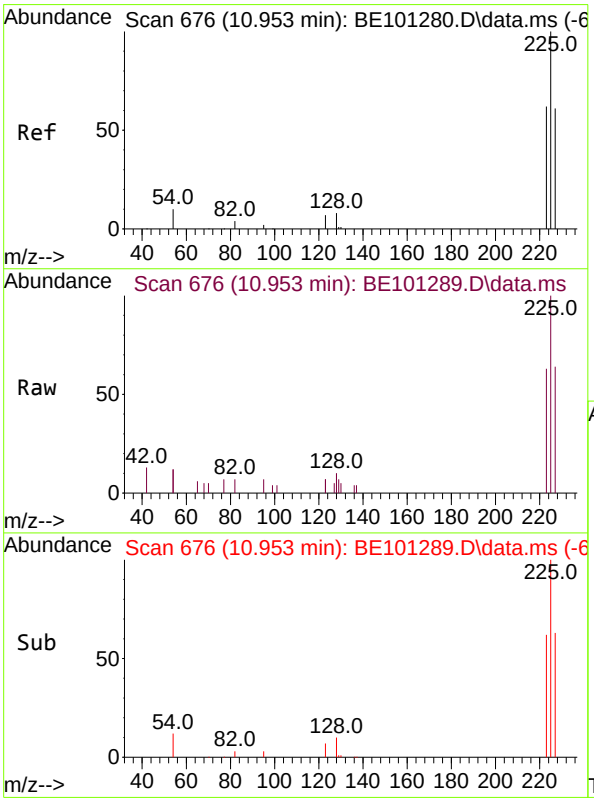
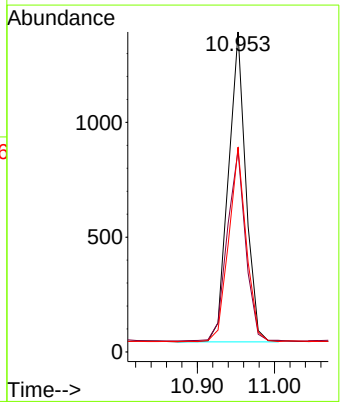
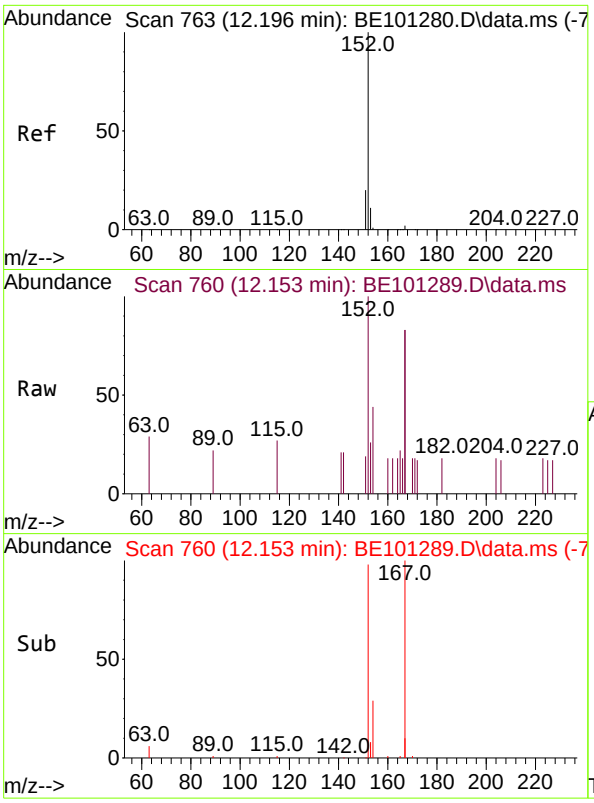


#10
Hexachlorobutadiene
Concen: 0.47 ng
RT: 10.953 min Scan# 676
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:225 Resp: 2118

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.4	75.6
227	63.1	50.1	75.1

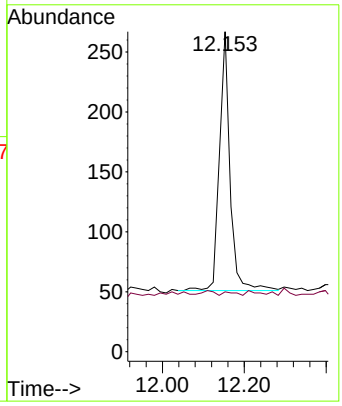




#11
2-Methylnaphthalene-d10
Concen: 0.02 ng
RT: 12.153 min Scan# 760
Delta R.T. -0.043 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:152 Resp: 387

Ion	Ratio	Lower	Upper
152	100		
151	1.6	16.5	24.7#



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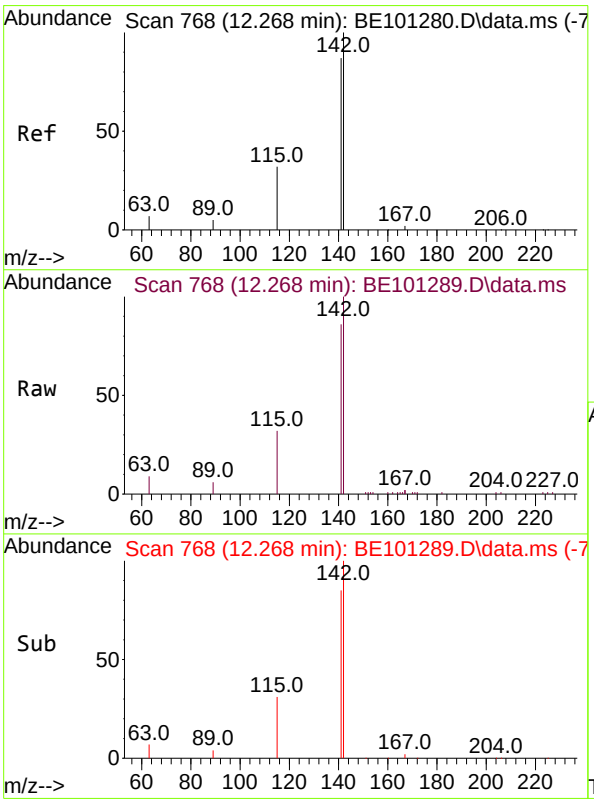
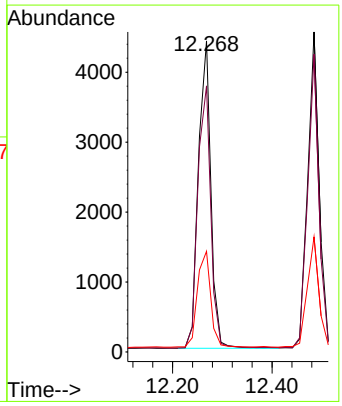
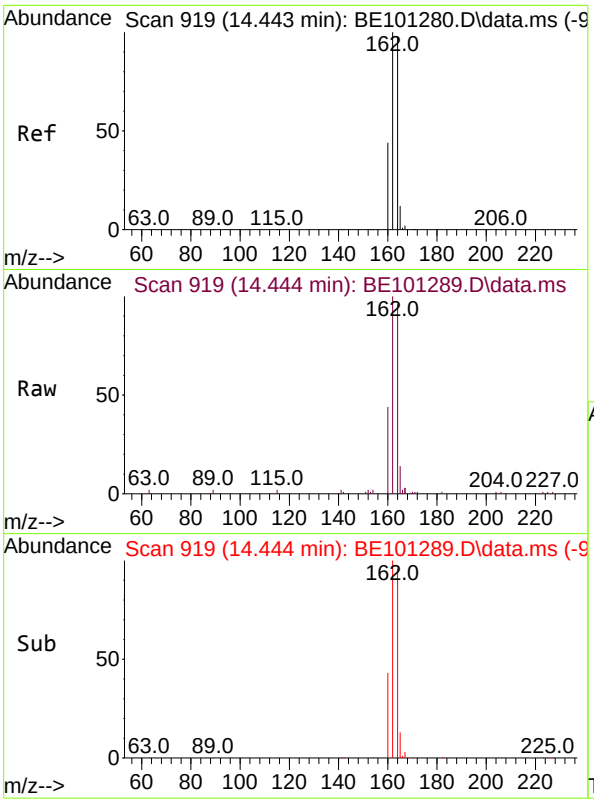


#12
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.268 min Scan# 768
Delta R.T. 0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:142 Resp: 7702

Ion	Ratio	Lower	Upper
142	100		
141	85.5	73.0	109.6
115	32.3	27.8	41.8

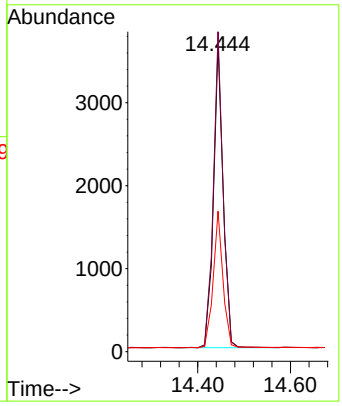




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.444 min Scan# 919
Delta R.T. 0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:164 Resp: 5307

Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.3	127.9
160	45.6	39.1	58.7



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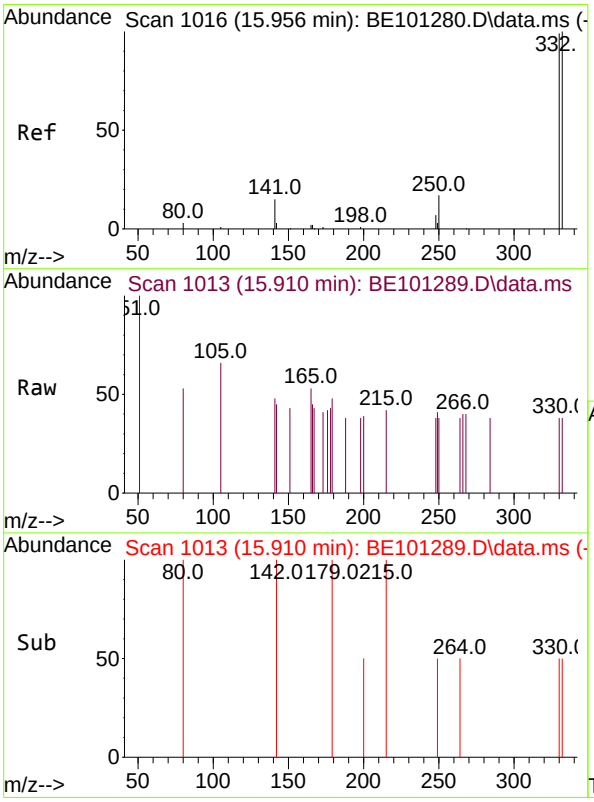
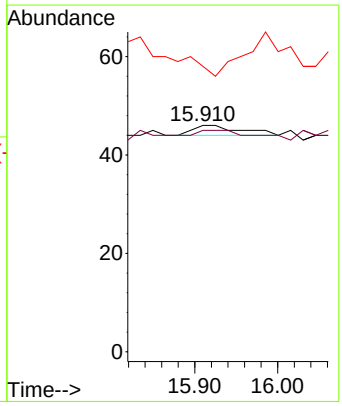


#14
2,4,6-Tribromophenol
Concen: 0.01 ng
RT: 15.910 min Scan# 1013
Delta R.T. -0.046 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:330 Resp: 8

Ion	Ratio	Lower	Upper
330	100		
332	37.5	77.8	116.6#
141	0.0	30.4	45.6#



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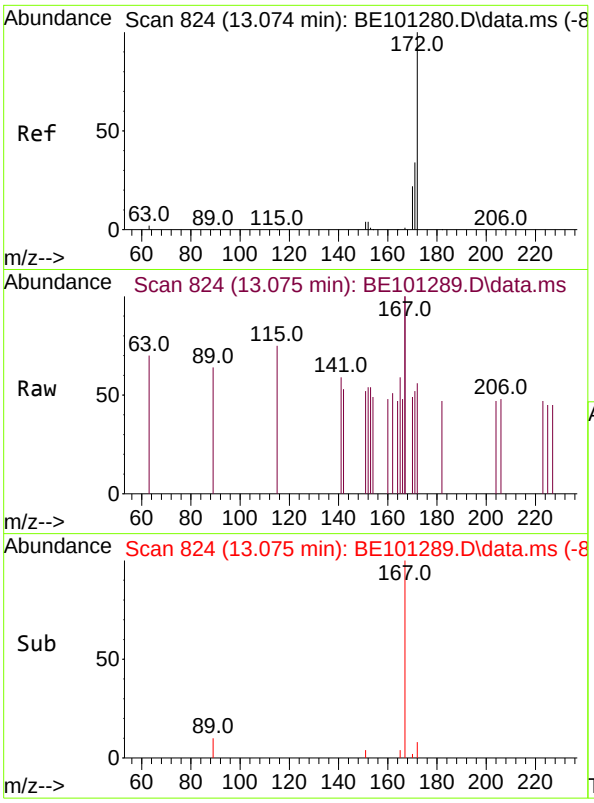
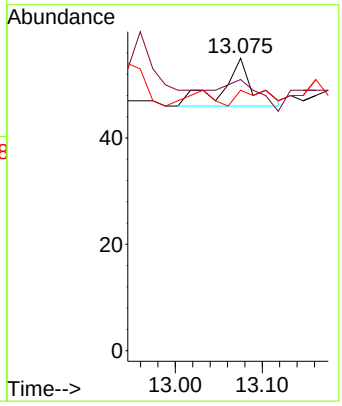
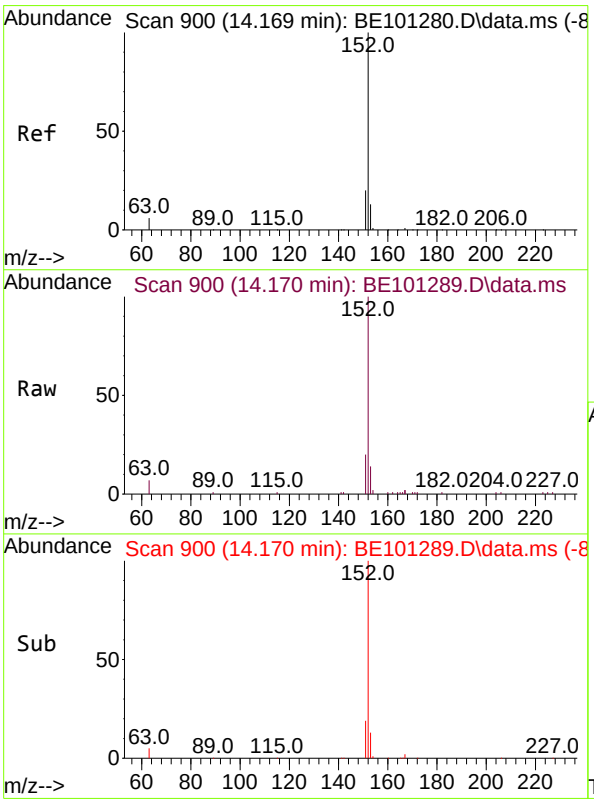


#15
2-Fluorobiphenyl
Concen: 0.00 ng
RT: 13.075 min Scan# 824
Delta R.T. 0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:172 Resp: 22

Ion	Ratio	Lower	Upper
172	100		
171	92.7	28.7	43.1#
170	89.1	19.3	28.9#

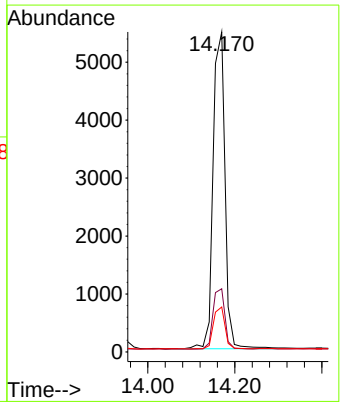




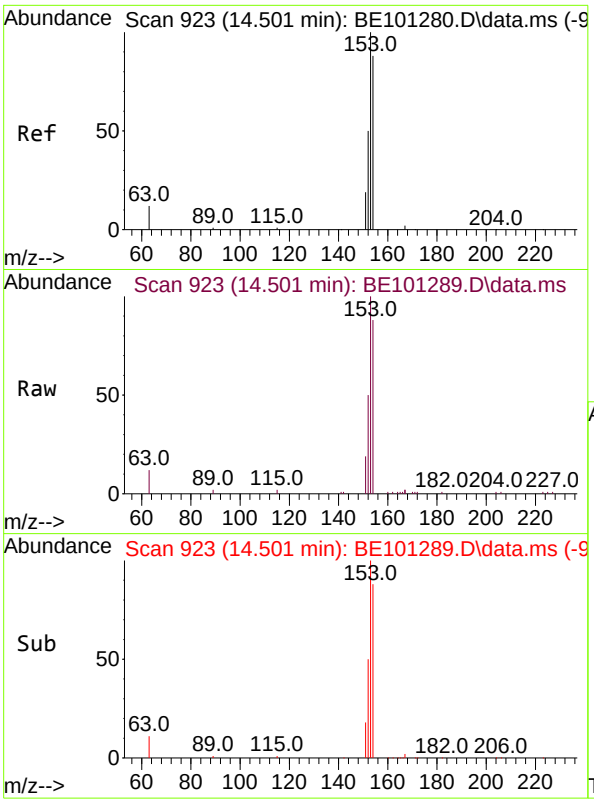
#16
Acenaphthylene
Concen: 0.48 ng
RT: 14.170 min Scan# 900
Delta R.T. 0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:152 Resp: 10348

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2
153	12.8	10.0	15.0



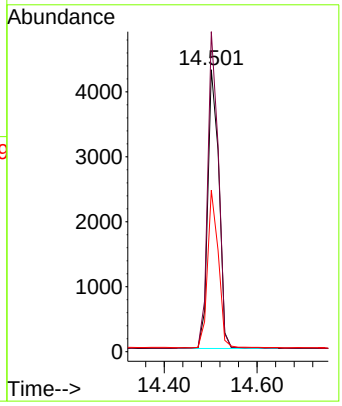
Instrument :
BNA_E
ClientSampleId :
SP5533

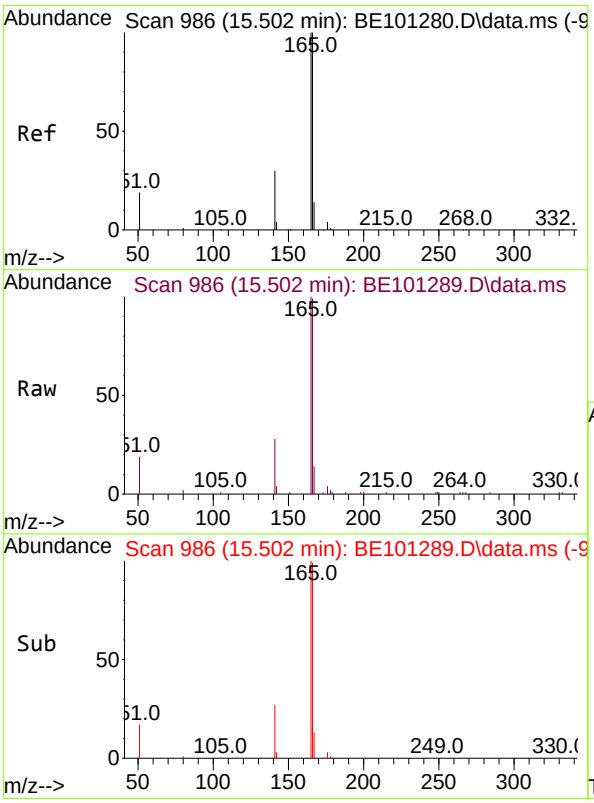


#17
Acenaphthene
Concen: 0.47 ng
RT: 14.501 min Scan# 923
Delta R.T. 0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:154 Resp: 7100

Ion	Ratio	Lower	Upper
154	100		
153	109.7	84.9	127.3
152	55.2	42.7	64.1

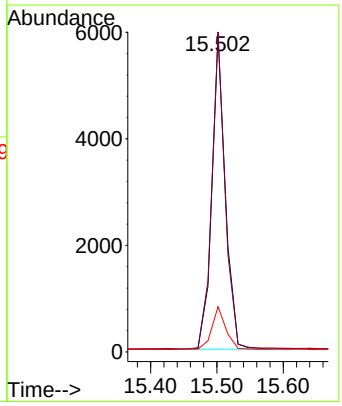


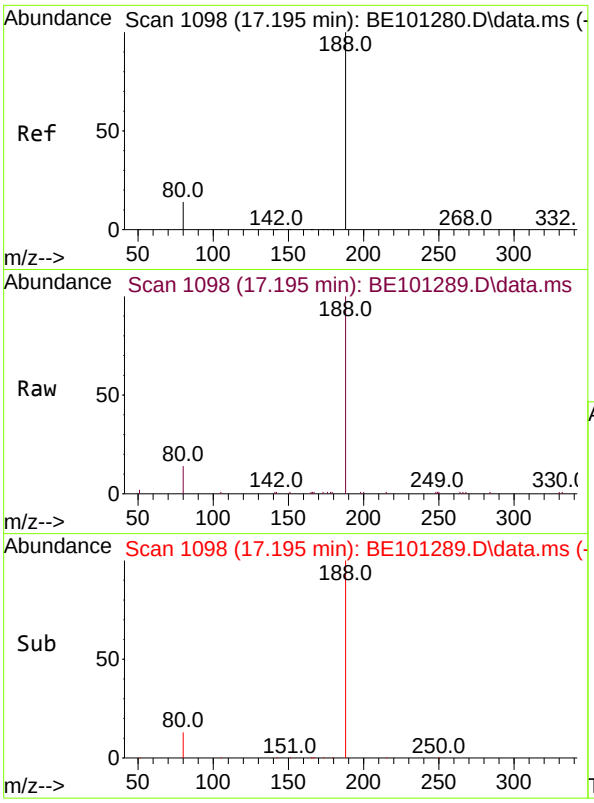


#18
Fluorene
Concen: 0.41 ng
RT: 15.502 min Scan# 986
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:166 Resp: 8327

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.0	118.4
167	14.0	11.0	16.4

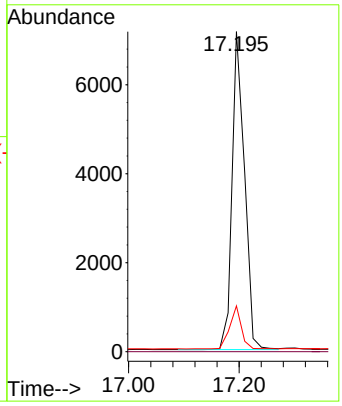




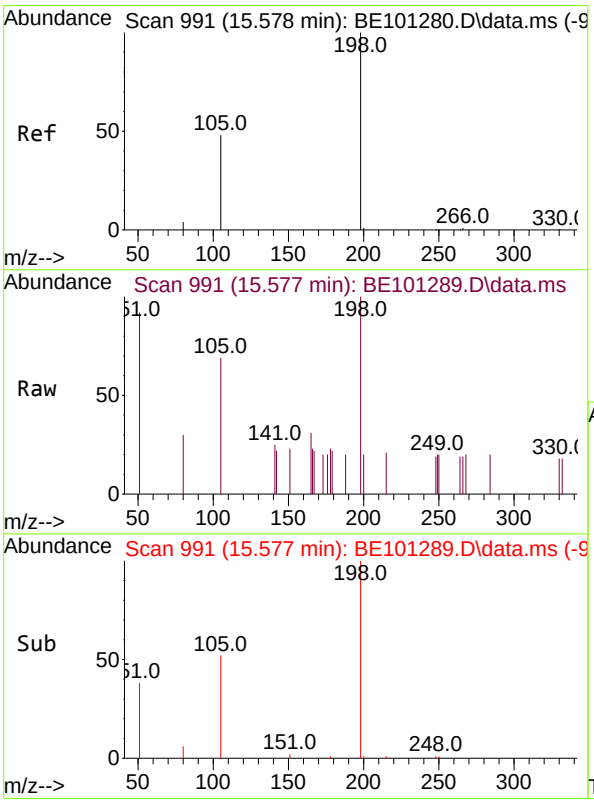
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.195 min Scan# 1098
Delta R.T. 0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:188 Resp: 11165

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.3	4.6	6.8#



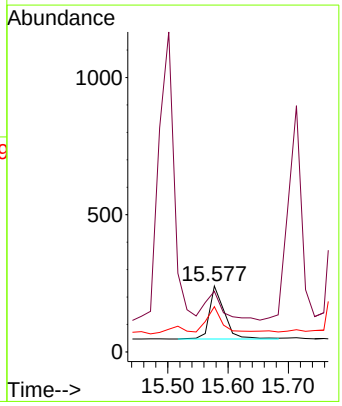
Instrument :
BNA_E
ClientSampleId :
SP5533



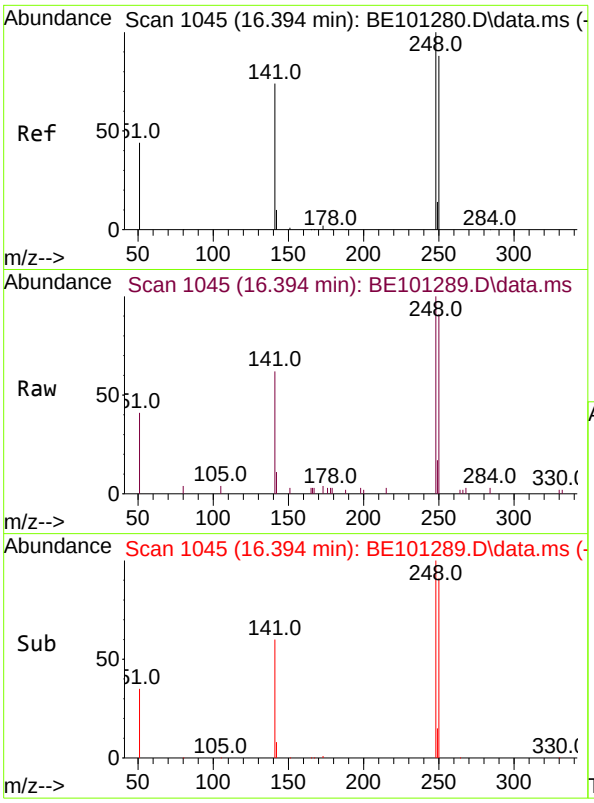
#20
4,6-Dinitro-2-methylphenol
Concen: 0.38 ng
RT: 15.577 min Scan# 991
Delta R.T. -0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:198 Resp: 336

Ion	Ratio	Lower	Upper
198	100		
51	92.1	55.9	83.9#
105	68.7	33.6	50.4#



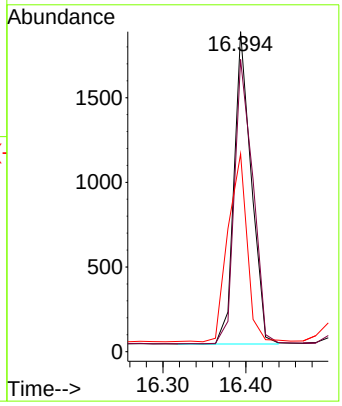
Instrument :
BNA_E
ClientSampleId :
SP5533

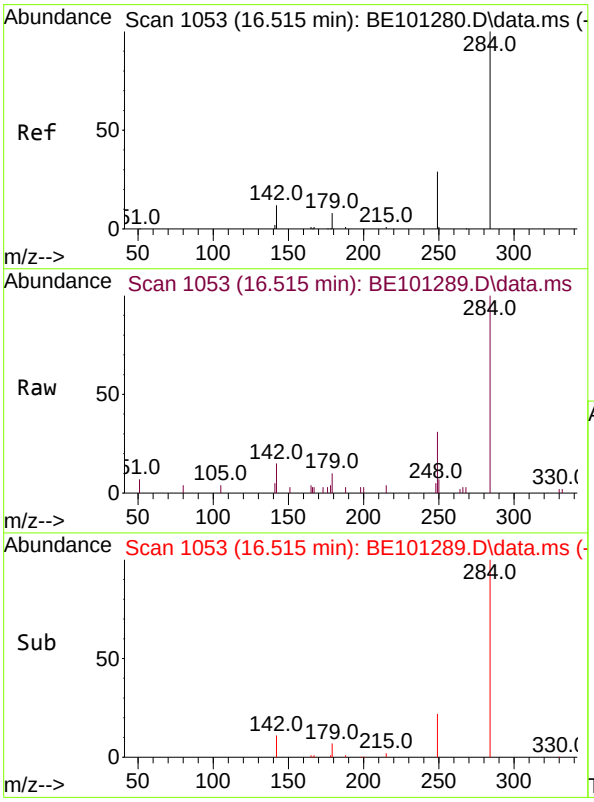


#21
4-Bromophenyl-phenylether
Concen: 0.46 ng
RT: 16.394 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:248 Resp: 2659

Ion	Ratio	Lower	Upper
248	100		
250	91.3	84.5	126.7
141	61.8	19.8	29.8#

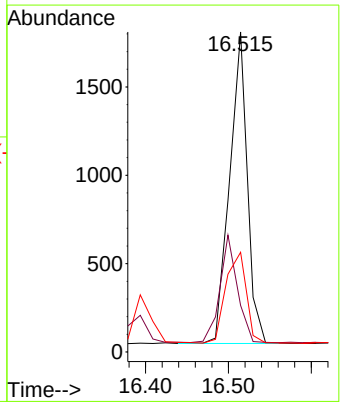


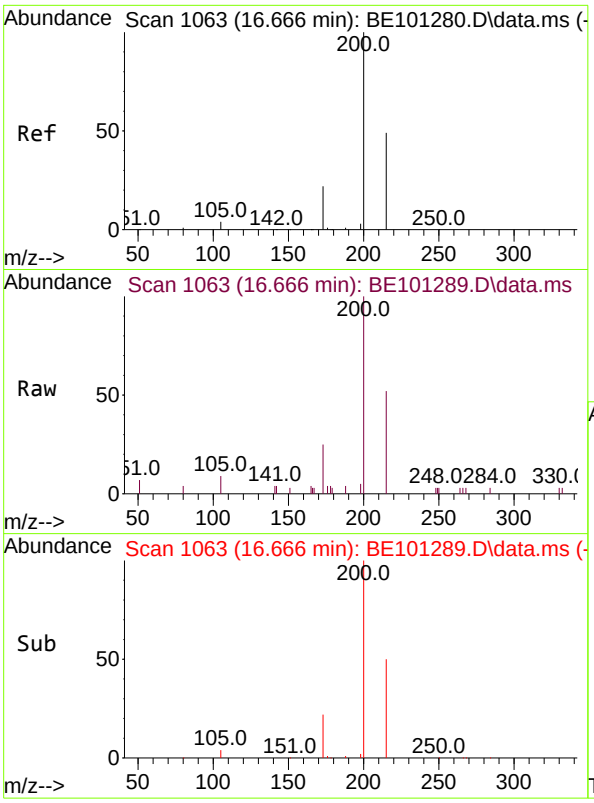


#22
Hexachlorobenzene
Concen: 0.47 ng
RT: 16.515 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:284 Resp: 2610

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.4	41.0
249	33.8	26.5	39.7

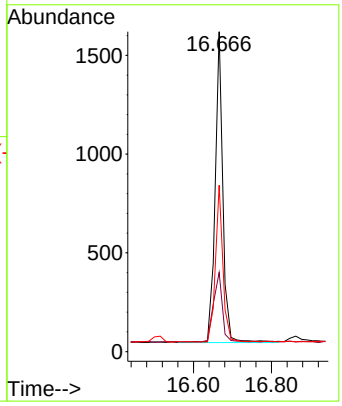




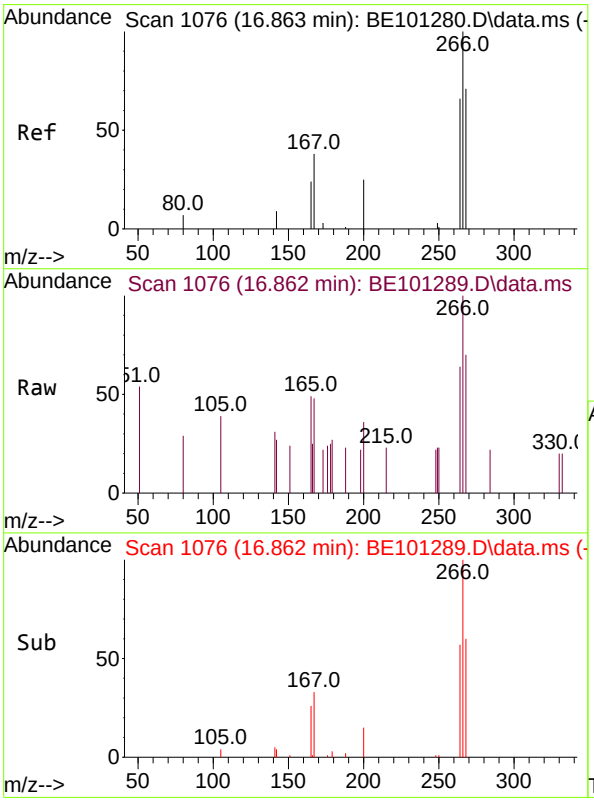
#23
Atrazine
Concen: 0.42 ng
RT: 16.666 min Scan# 1063
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:200 Resp: 2155

Ion	Ratio	Lower	Upper
200	100		
173	24.8	21.9	32.9
215	52.0	38.6	57.8



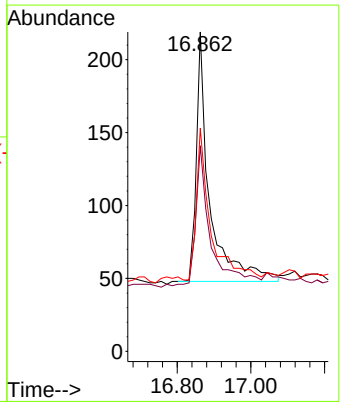
Instrument :
BNA_E
ClientSampleId :
SP5533

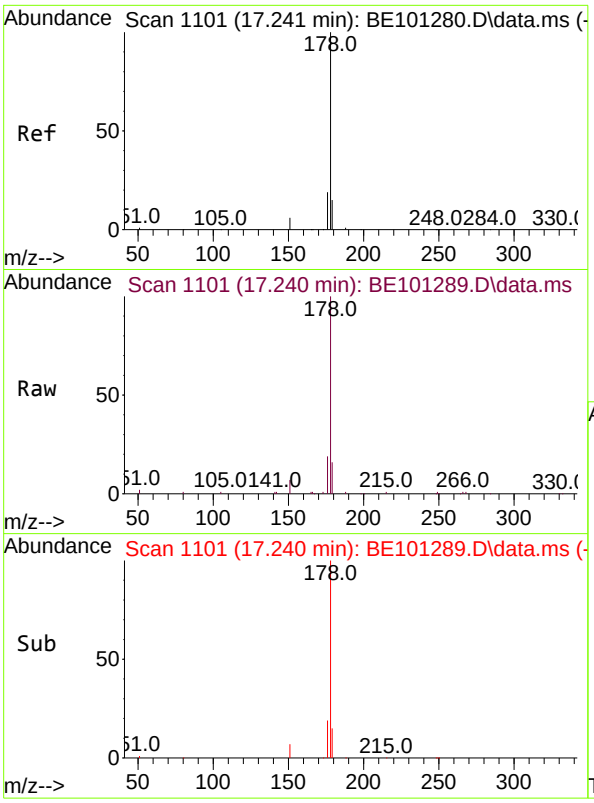


#24
Pentachlorophenol
Concen: 0.83 ng
RT: 16.862 min Scan# 1076
Delta R.T. -0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:266 Resp: 430

Ion	Ratio	Lower	Upper
266	100		
264	62.6	49.1	73.7
268	65.1	50.6	76.0

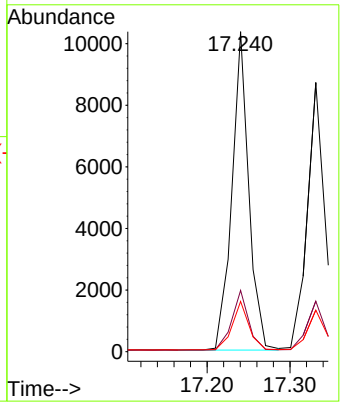




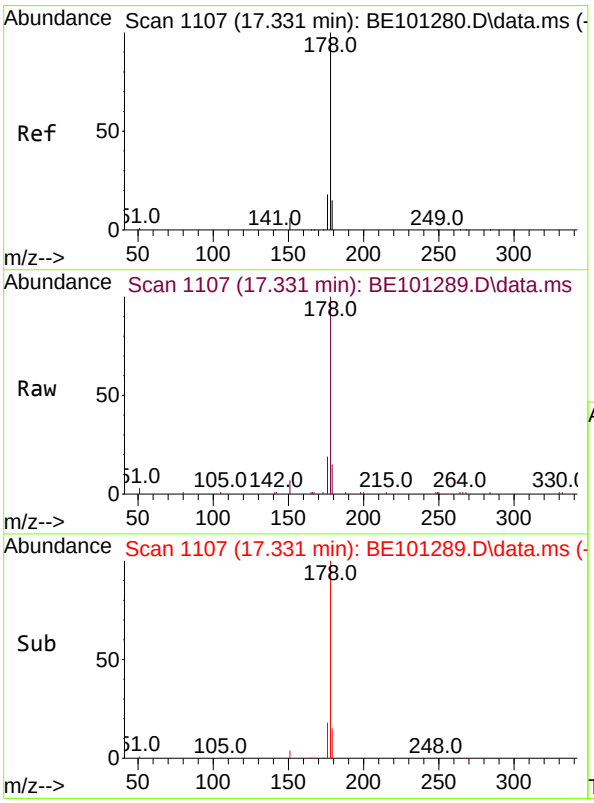
#25
Phenanthrene
Concen: 0.45 ng
RT: 17.240 min Scan# 1101
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:178 Resp: 14656

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.2	18.4



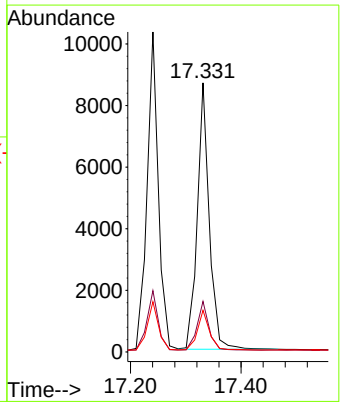
Instrument :
BNA_E
ClientSampleId :
SP5533

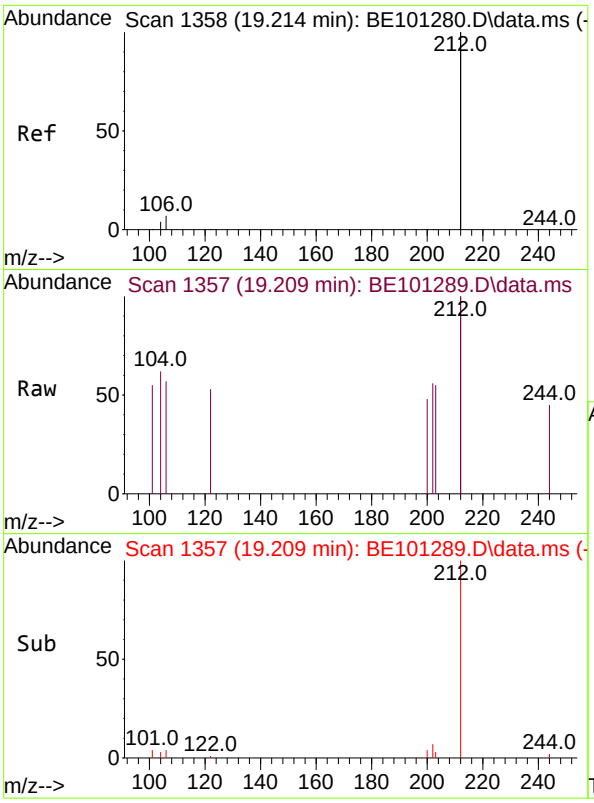


#26
Anthracene
Concen: 0.45 ng
RT: 17.331 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:178 Resp: 13035

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	14.9	11.8	17.8

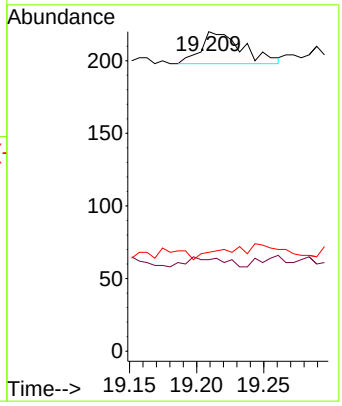


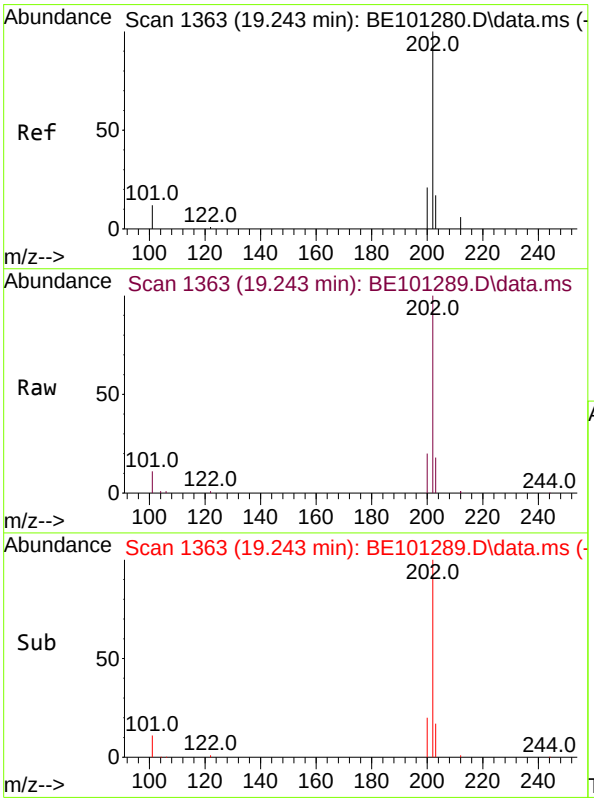


#27
Fluoranthene-d10
Concen: 0.00 ng
RT: 19.209 min Scan# 1357
Delta R.T. -0.005 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:212 Resp: 47

Ion	Ratio	Lower	Upper
212	100		
106	0.0	2.6	4.0#
104	19.1	1.4	2.2#

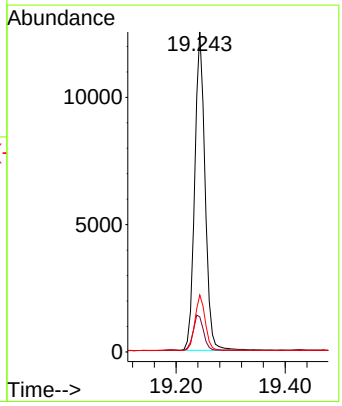




#28
Fluoranthene
Concen: 0.39 ng
RT: 19.243 min Scan# 1363
Delta R.T. 0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

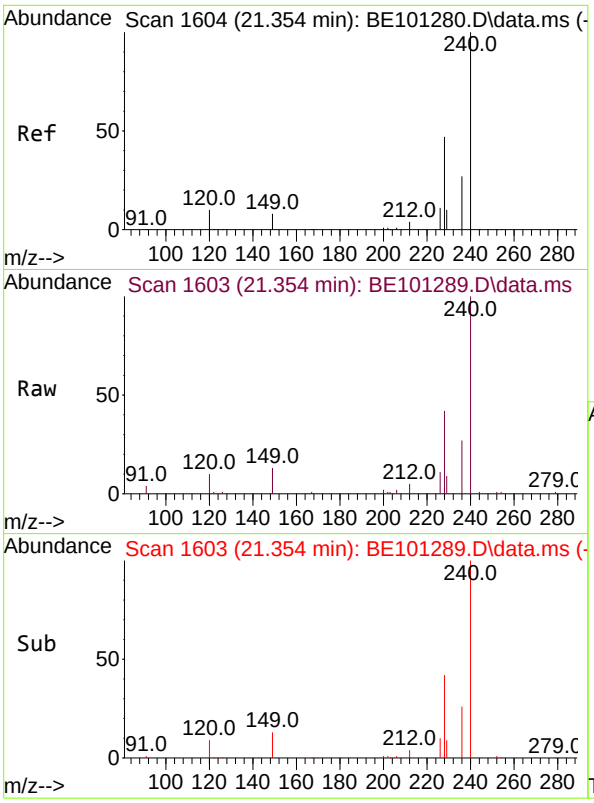
Tgt Ion:202 Resp: 16507

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.1	13.7
203	17.3	13.6	20.4



Instrument :
BNA_E
ClientSampleId :
SP5533

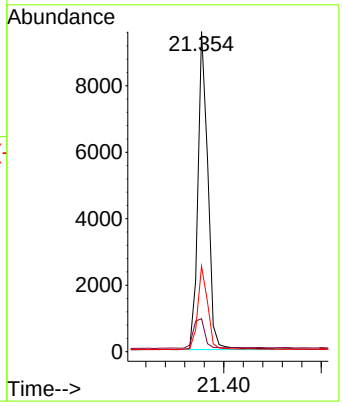
Instrument :
BNA_E
ClientSampleId :
SP5533

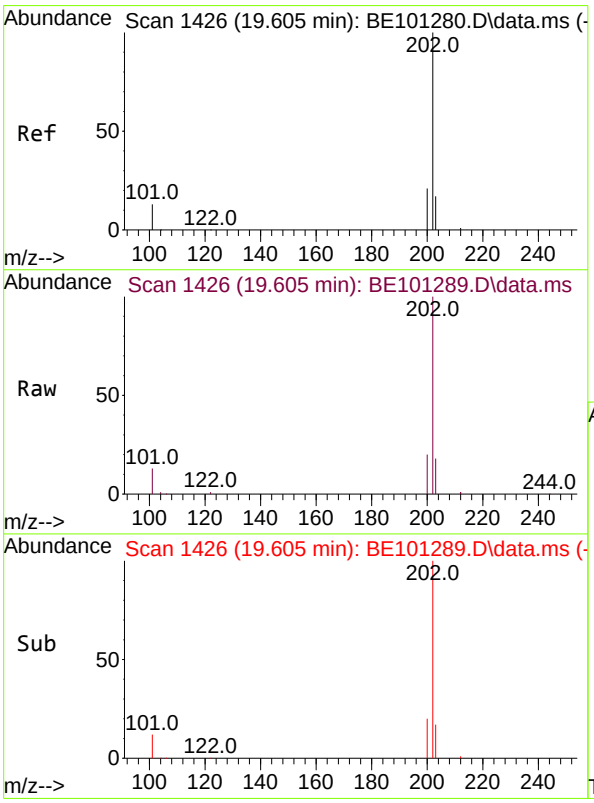


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.354 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:240 Resp: 13595

Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.2	15.4
236	26.7	21.7	32.5

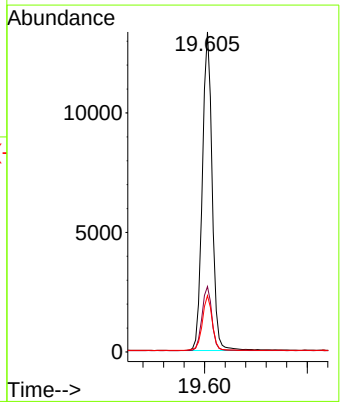




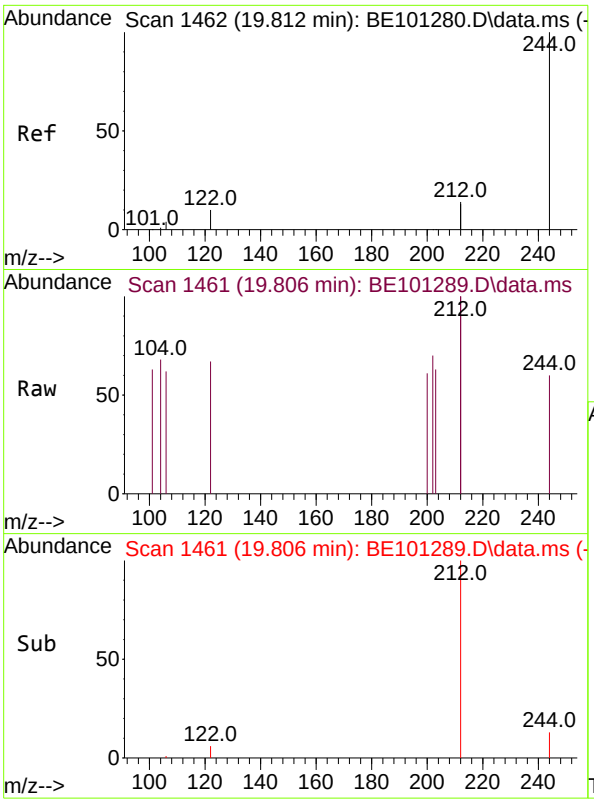
#30
Pyrene
Concen: 0.41 ng
RT: 19.605 min Scan# 1426
Delta R.T. 0.001 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:202 Resp: 17757

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.3	13.8	20.8



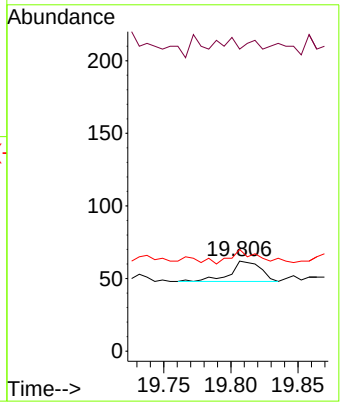
Instrument :
BNA_E
ClientSampleId :
SP5533

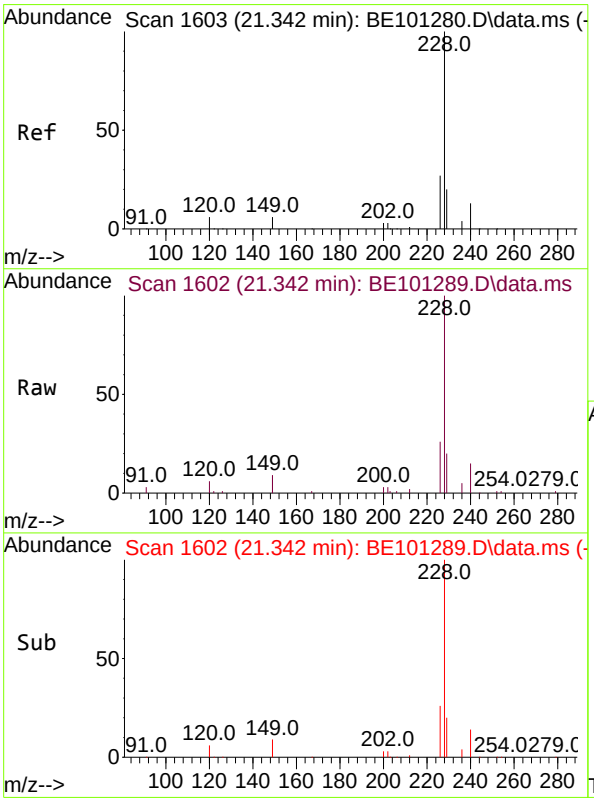


#31
Terphenyl-d14
Concen: 0.00 ng
RT: 19.806 min Scan# 1461
Delta R.T. -0.005 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:244 Resp: 22

Ion	Ratio	Lower	Upper
244	100		
212	335.5	21.9	32.9#
122	112.9	7.3	10.9#

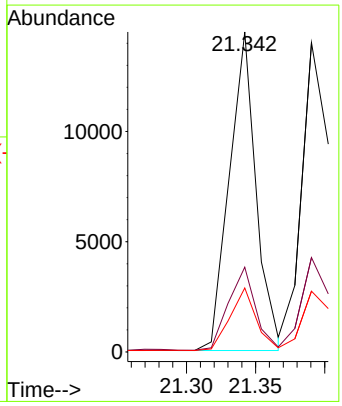


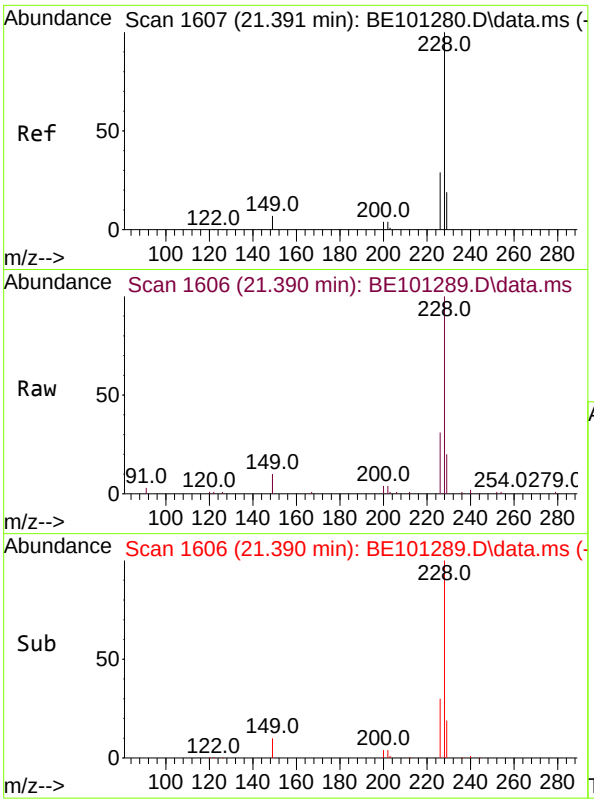


#32
Benzo(a)anthracene
Concen: 0.46 ng
RT: 21.342 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:228 Resp: 19460

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.4	32.2
229	20.0	15.7	23.5

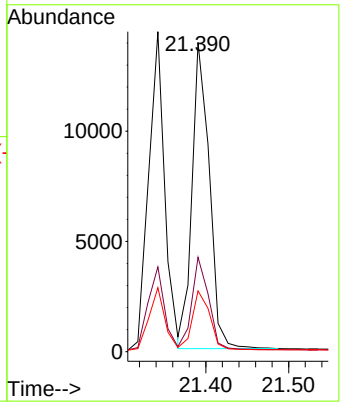




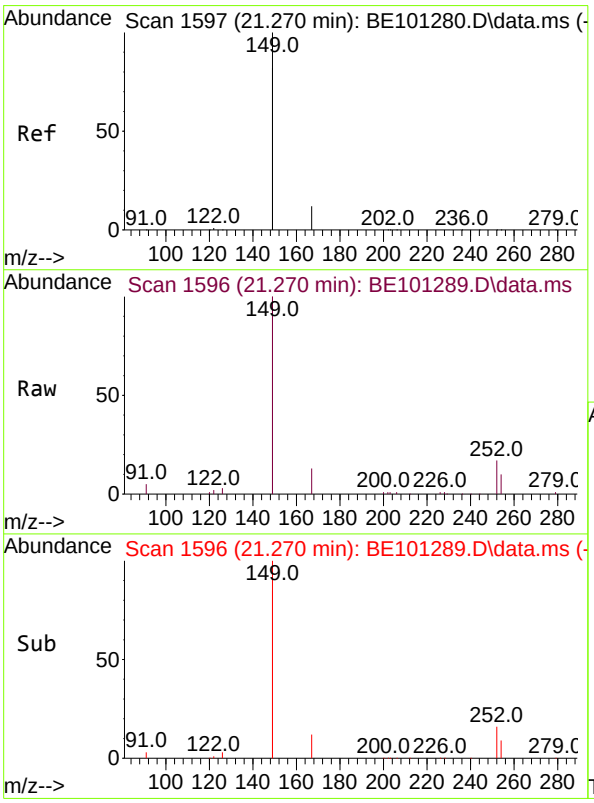
#33
Chrysene
Concen: 0.45 ng
RT: 21.390 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:228 Resp: 20115

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.8	37.2
229	19.6	15.2	22.8



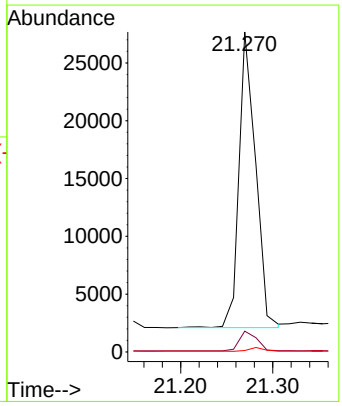
Instrument :
BNA_E
ClientSampleId :
SP5533

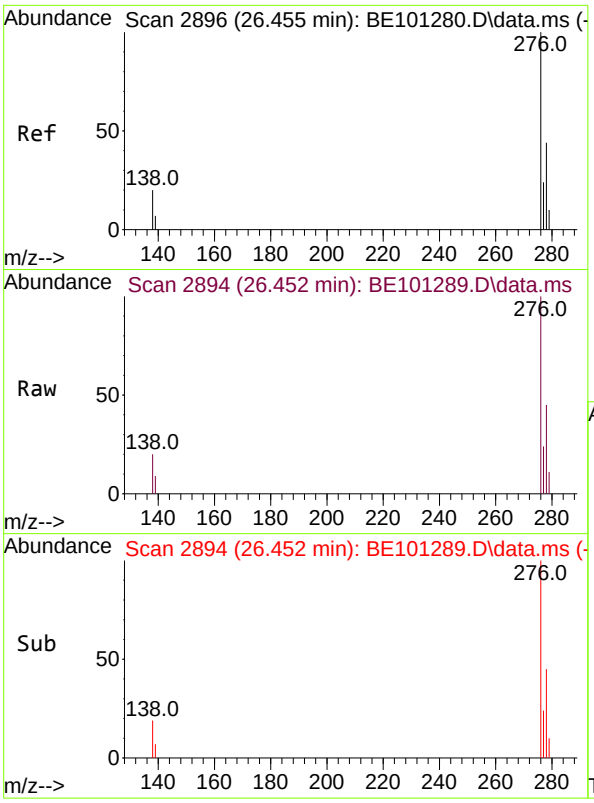


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.56 ng
RT: 21.270 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:149 Resp: 31807

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.5	8.3
279	1.1	1.0	1.4

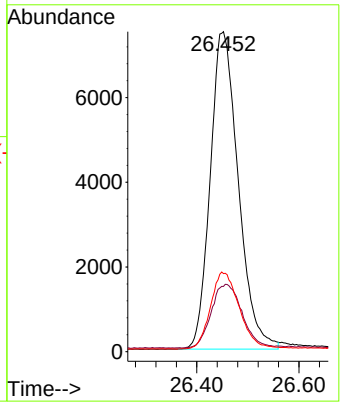




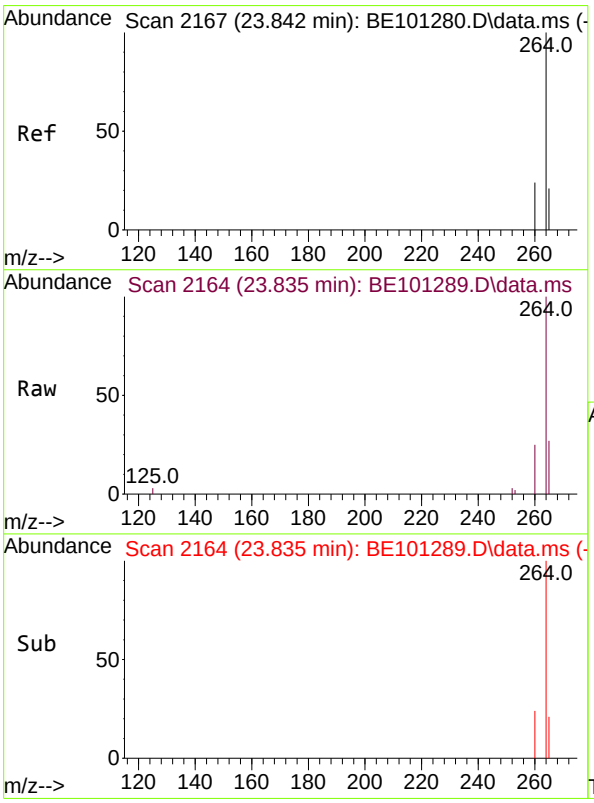
#35
Indeno(1,2,3-cd)pyrene
Concen: 0.65 ng
RT: 26.452 min Scan# 2894
Delta R.T. -0.003 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:276 Resp: 28589

Ion	Ratio	Lower	Upper
276	100		
138	22.0	17.4	26.0
277	24.8	19.8	29.8



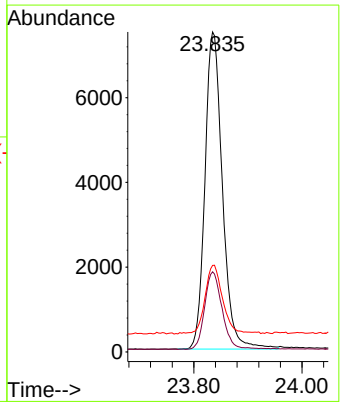
Instrument :
BNA_E
ClientSampleId :
SP5533



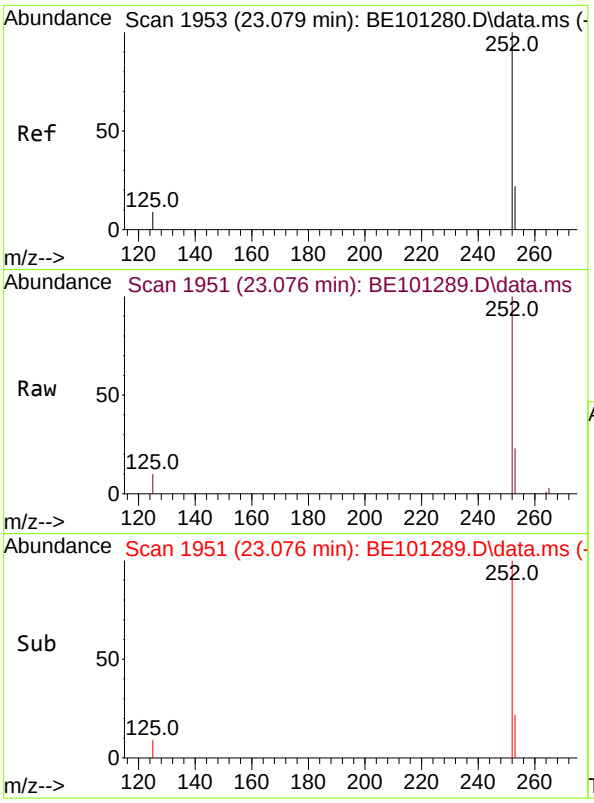
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.835 min Scan# 2164
Delta R.T. -0.007 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:264 Resp: 16799

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	27.0	22.4	33.6



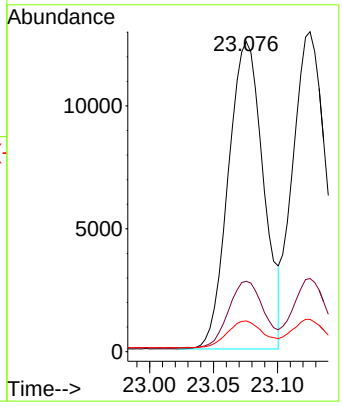
Instrument :
BNA_E
ClientSampleId :
SP5533

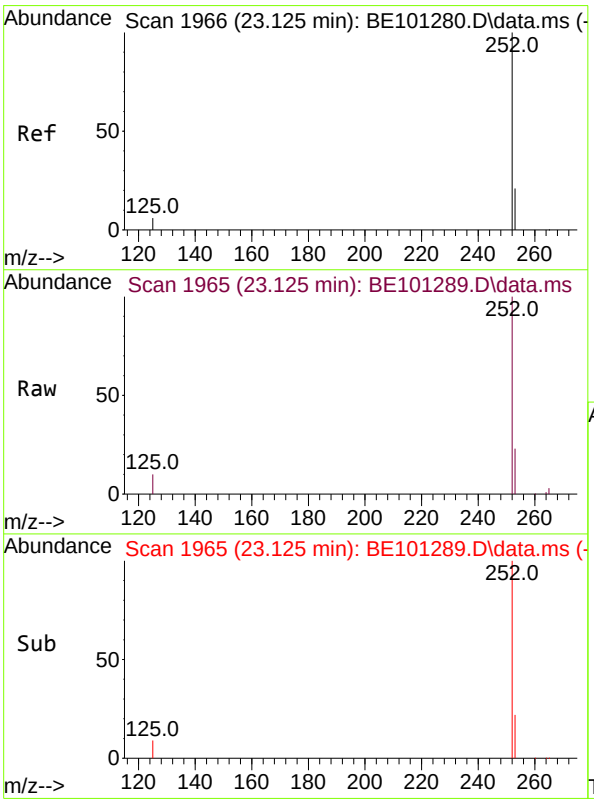


#37
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 23.076 min Scan# 1951
Delta R.T. -0.003 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:252 Resp: 23955

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	9.9	7.6	11.4

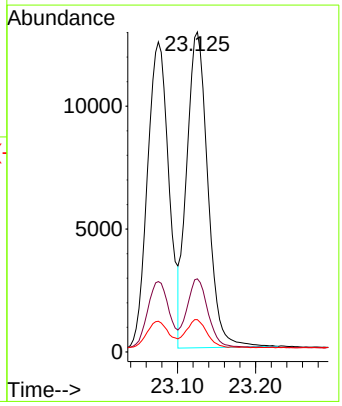




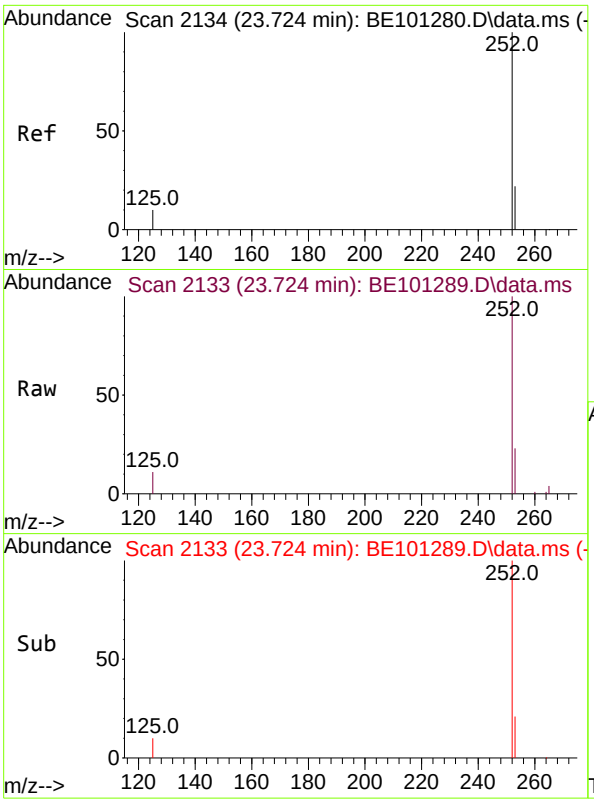
#38
Benzo(k)fluoranthene
Concen: 0.41 ng
RT: 23.125 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:252 Resp: 24123

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	10.1	7.6	11.4



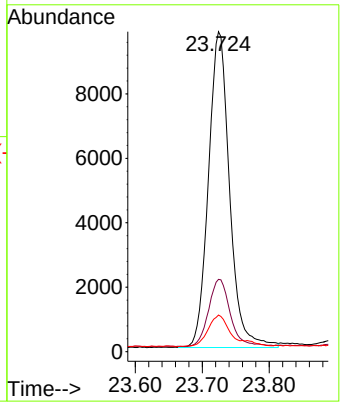
Instrument :
BNA_E
ClientSampleId :
SP5533

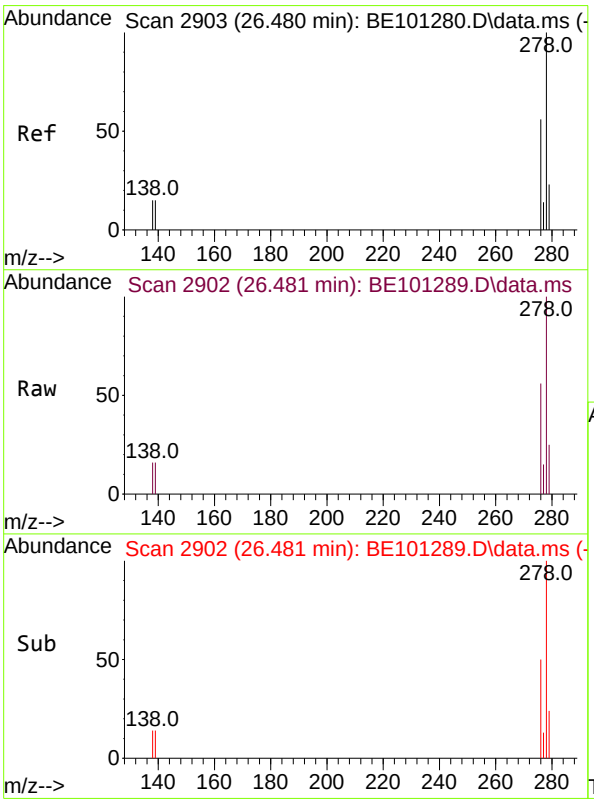


#39
Benzo(a)pyrene
Concen: 0.42 ng
RT: 23.724 min Scan# 2133
Delta R.T. 0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:252 Resp: 21452

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	11.4	8.0	12.0

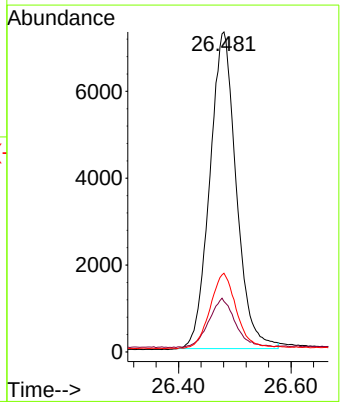


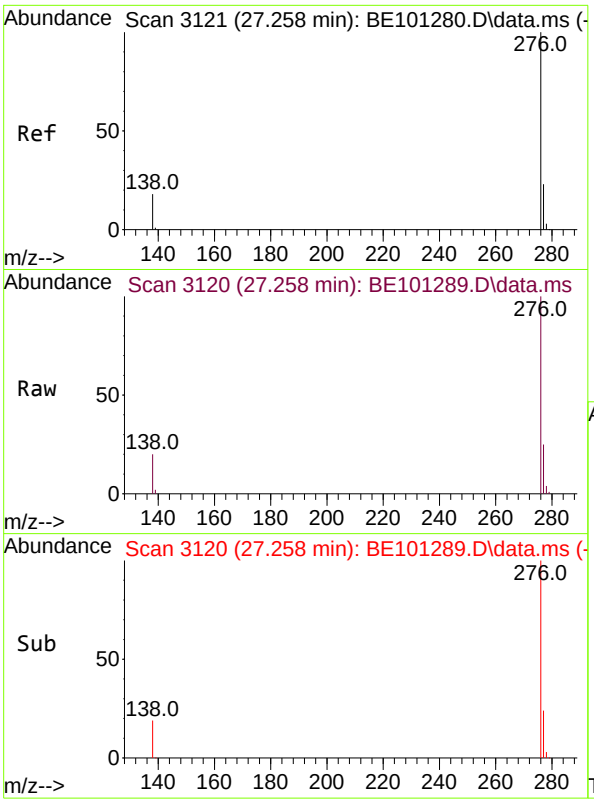


#40
Dibenzo(a,h)anthracene
Concen: 0.47 ng
RT: 26.481 min Scan# 2902
Delta R.T. 0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:278 Resp: 23887

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.2	18.2
279	24.6	19.3	28.9

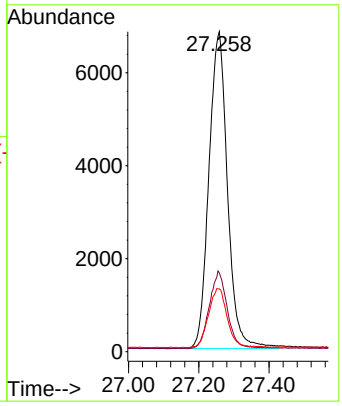




#41
Benzo(g,h,i)perylene
Concen: 0.48 ng
RT: 27.258 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BE101289.D
Acq: 12 Apr 2021 21:11

Tgt Ion:276 Resp: 24935

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	19.6	15.2	22.8



Instrument :
BNA_E
ClientSampleId :
SP5533