Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041321\
Data File : BE101294.D
Acq On : 13 Apr 2021 15:11
Operator : CG/JU
Sample : PB135708BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB135708BS

Quant Time: Apr 14 00:40:21 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

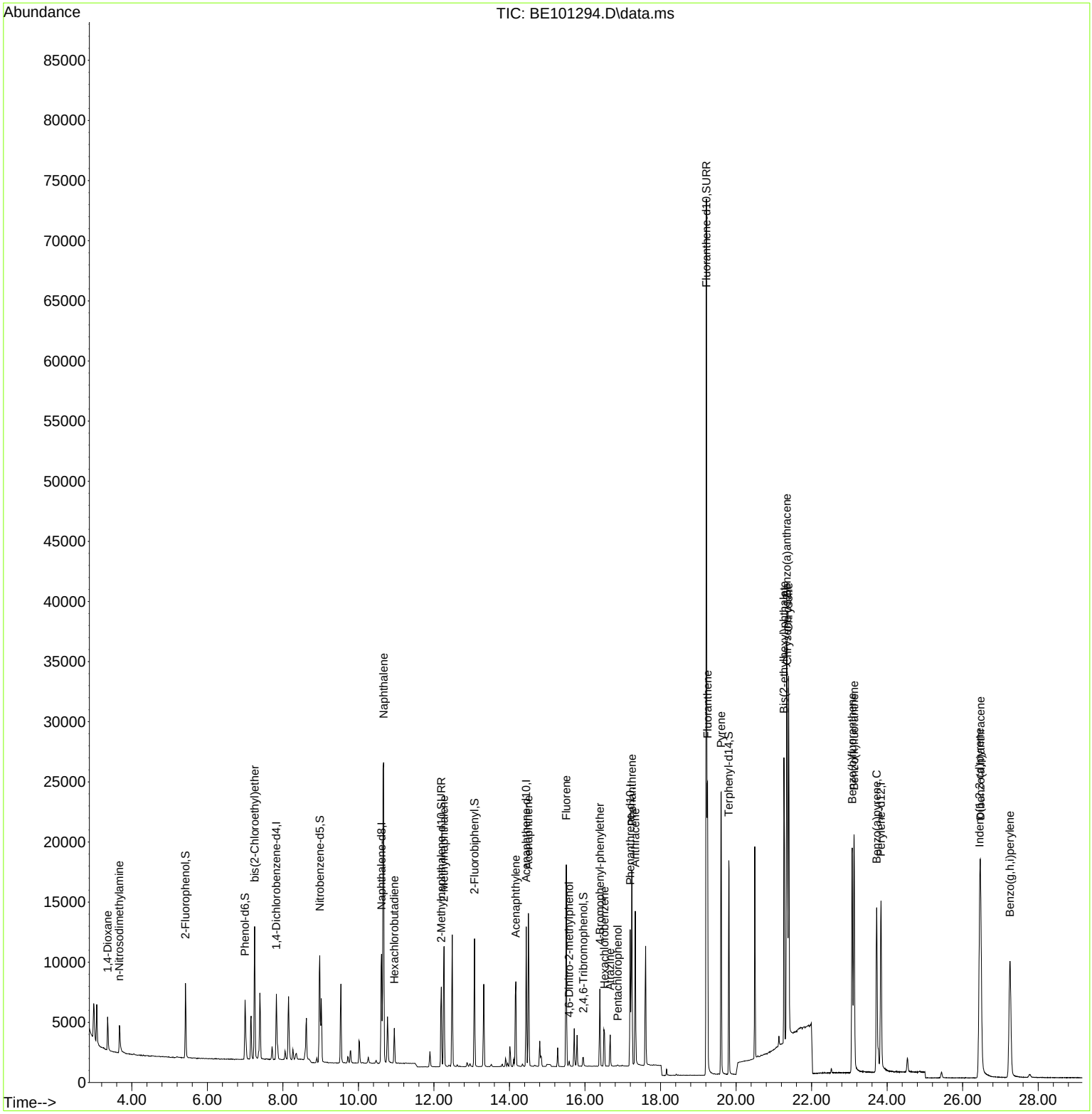
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.828	152	2446	0.40	ng		0.00
7) Naphthalene-d8	10.614	136	10323	0.40	ng		# 0.00
13) Acenaphthene-d10	14.443	164	6438	0.40	ng		0.00
19) Phenanthrene-d10	17.196	188	14824	0.40	ng		# 0.00
29) Chrysene-d12	21.353	240	19993	0.40	ng		0.00
36) Perylene-d12	23.837	264	20999	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.421	112	2910	0.40	ng		-0.01
5) Phenol-d6	6.998	99	4263	0.39	ng		0.00
8) Nitrobenzene-d5	8.977	82	3492	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.195	152	9094	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.956	330	552	0.29	ng		0.00
15) 2-Fluorobiphenyl	13.074	172	9388	0.42	ng		0.00
27) Fluoranthene-d10	19.216	212	99238	0.38	ng		0.00
31) Terphenyl-d14	19.807	244	17020	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.359	88	1789	0.43	ng		97
3) n-Nitrosodimethylamine	3.670	42	1927	0.40	ng	#	98
6) bis(2-Chloroethyl)ether	7.252	93	3378	0.40	ng		97
9) Naphthalene	10.666	128	45793	0.41	ng		100
10) Hexachlorobutadiene	10.952	225	1946	0.41	ng		98
12) 2-Methylnaphthalene	12.267	142	7543	0.38	ng		96
16) Acenaphthylene	14.169	152	9380	0.36	ng		99
17) Acenaphthene	14.500	154	7147	0.39	ng		98
18) Fluorene	15.503	166	9073	0.37	ng		99
20) 4,6-Dinitro-2-methylph...	15.578	198	334	0.33	ng	#	84
21) 4-Bromophenyl-phenylether	16.395	248	2941	0.38	ng	#	79
22) Hexachlorobenzene	16.516	284	2907	0.39	ng		99
23) Atrazine	16.667	200	2154	0.32	ng	#	89
24) Pentachlorophenol	16.864	266	109	0.37	ng		91
25) Phenanthrene	17.242	178	16987	0.39	ng		100
26) Anthracene	17.332	178	14190	0.37	ng		99
28) Fluoranthene	19.244	202	21446	0.38	ng		99
30) Pyrene	19.606	202	21917	0.34	ng		100
32) Benzo(a)anthracene	21.341	228	24425	0.39	ng		99
33) Chrysene	21.390	228	27112	0.41	ng		99
34) Bis(2-ethylhexyl)phtha...	21.269	149	29645	0.36	ng		100
35) Indeno(1,2,3-cd)pyrene	26.449	276	27665	0.43	ng		98
37) Benzo(b)fluoranthene	23.075	252	26600	0.38	ng		100
38) Benzo(k)fluoranthene	23.124	252	28703	0.39	ng		99
39) Benzo(a)pyrene	23.723	252	23448	0.37	ng		99
40) Dibenzo(a,h)anthracene	26.470	278	24041	0.38	ng		98
41) Benzo(g,h,i)perylene	27.255	276	24680	0.38	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041321\
Data File : BE101294.D
Acq On : 13 Apr 2021 15:11
Operator : CG/JU
Sample : PB135708BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB135708BS

Quant Time: Apr 14 00:40:21 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



Instrument :
BNA_E
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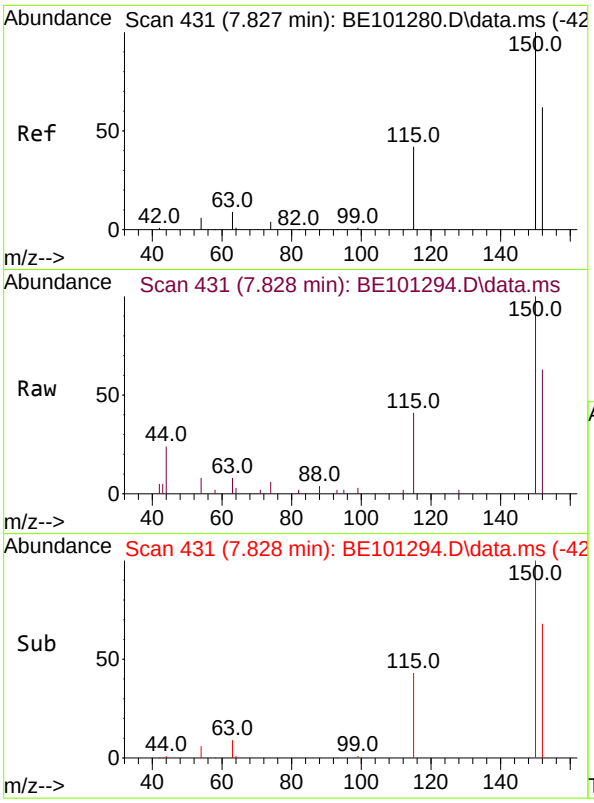
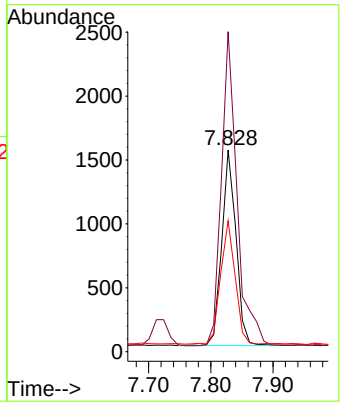
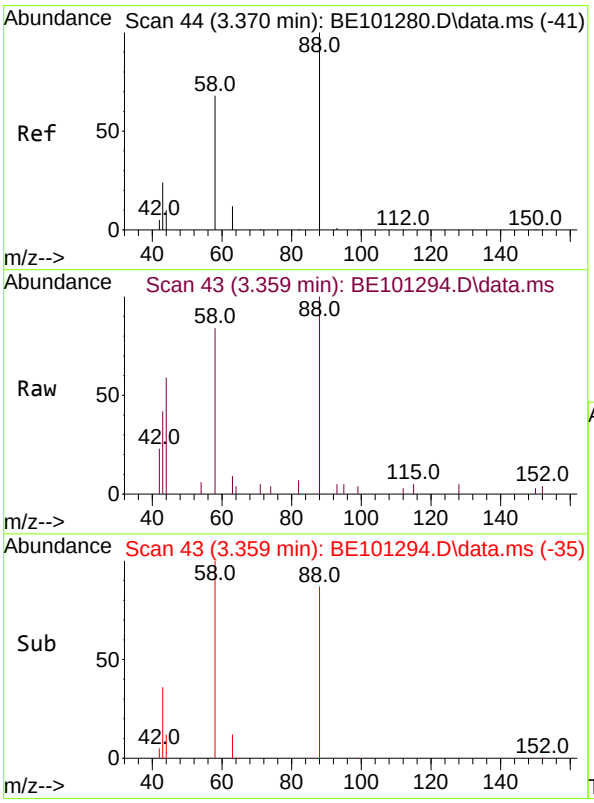


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.828 min Scan# 431
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:152 Resp: 2446

Ion	Ratio	Lower	Upper
152	100		
150	158.7	116.9	175.3
115	64.9	44.5	66.7

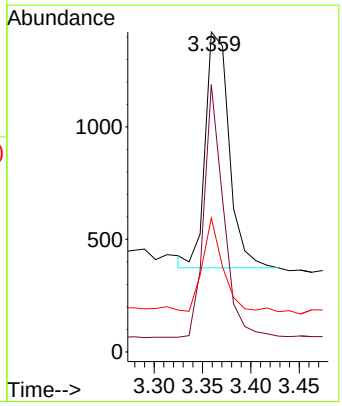




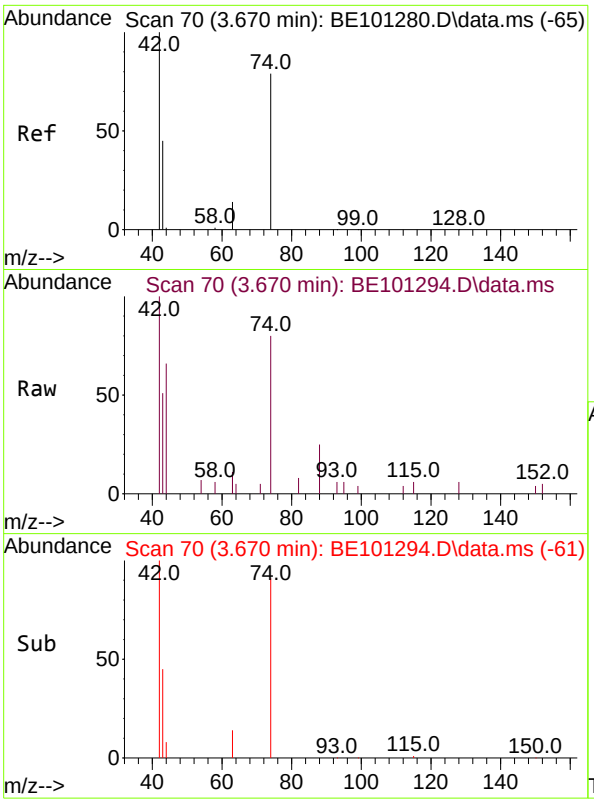
#2
1,4-Dioxane
Concen: 0.43 ng
RT: 3.359 min Scan# 43
Delta R.T. -0.011 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion: 88 Resp: 1789

Ion	Ratio	Lower	Upper
88	100		
58	88.1	73.6	110.4
43	33.9	27.6	41.4



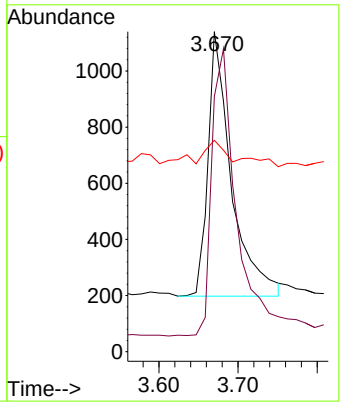
Instrument :
BNA_E
ClientSampleId :
PB135708BS

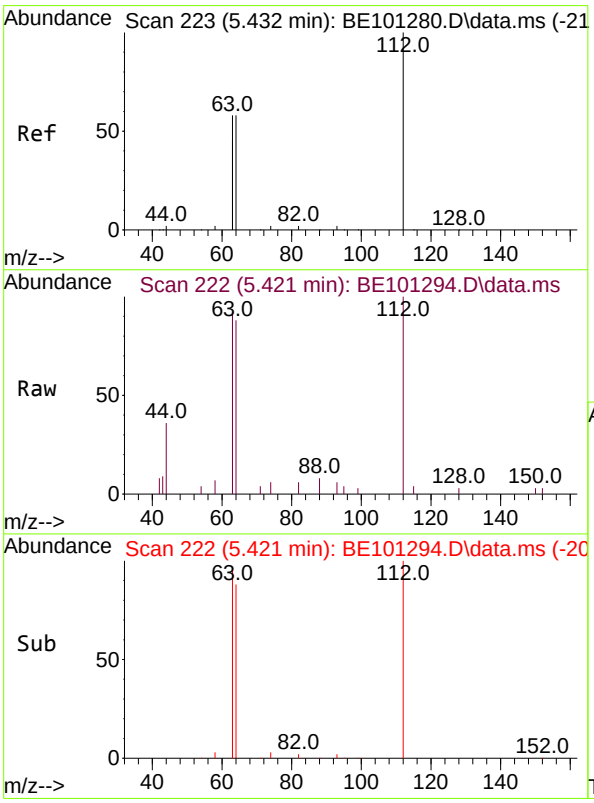


#3
n-Nitrosodimethylamine
Concen: 0.40 ng
RT: 3.670 min Scan# 70
Delta R.T. 0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion: 42 Resp: 1927

Ion	Ratio	Lower	Upper
42	100		
74	115.2	92.7	139.1
44	9.3	10.7	16.1#

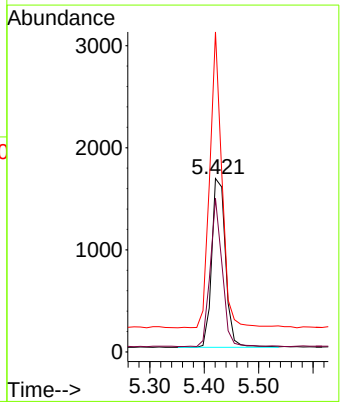




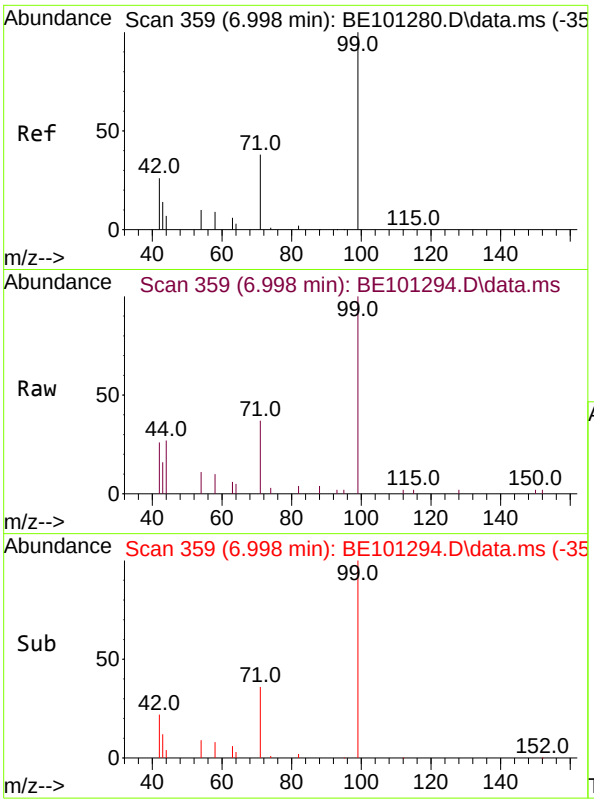
#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.421 min Scan# 222
Delta R.T. -0.011 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:112 Resp: 2910

Ion	Ratio	Lower	Upper
112	100		
64	76.2	62.3	93.5
63	153.7	117.3	175.9



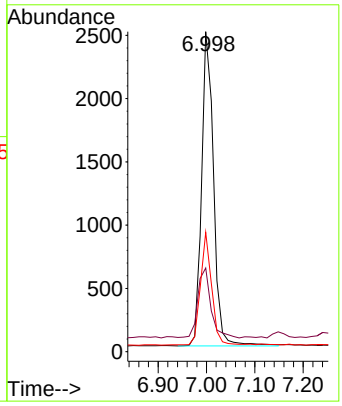
Instrument :
BNA_E
ClientSampleId :
PB135708BS

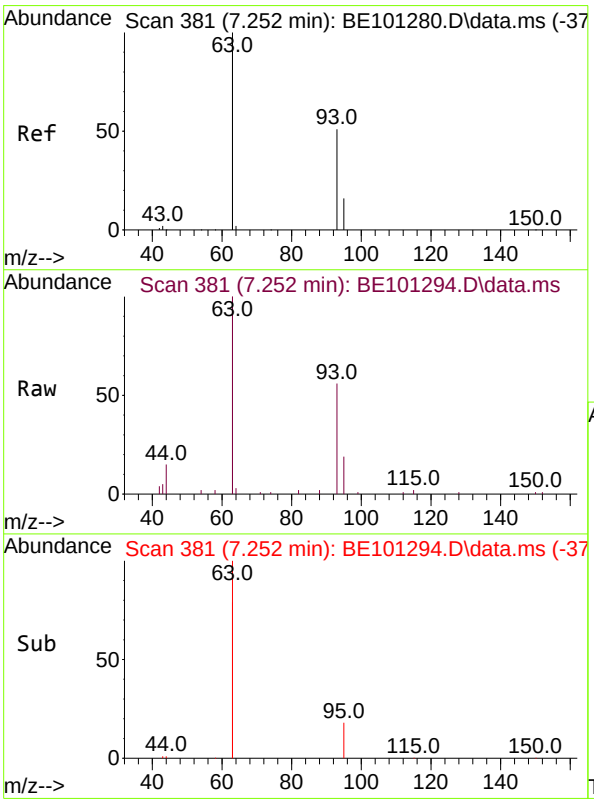


#5
Phenol-d6
Concen: 0.39 ng
RT: 6.998 min Scan# 359
Delta R.T. 0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion: 99 Resp: 4263

Ion	Ratio	Lower	Upper
99	100		
42	24.3	18.5	27.7
71	33.4	26.5	39.7

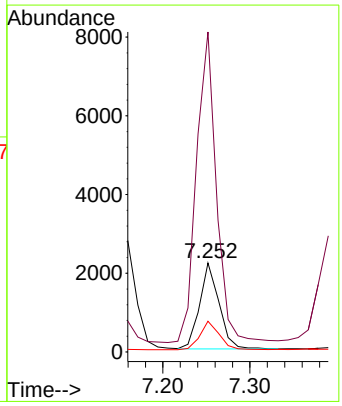




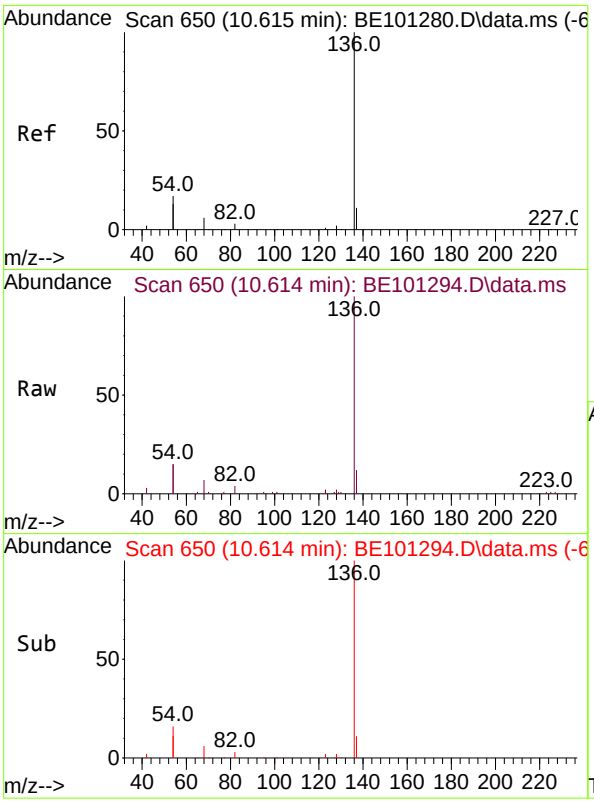
#6
bis(2-Chloroethyl)ether
Concen: 0.40 ng
RT: 7.252 min Scan# 381
Delta R.T. 0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion: 93 Resp: 3378

Ion	Ratio	Lower	Upper
93	100		
63	373.1	292.5	438.7
95	33.4	25.7	38.5



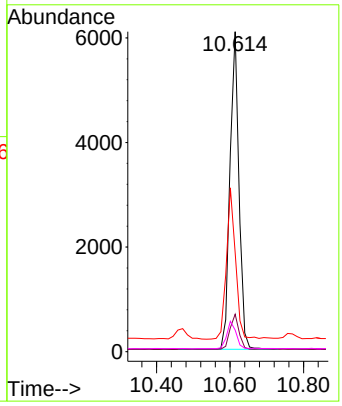
Instrument :
BNA_E
ClientSampleId :
PB135708BS

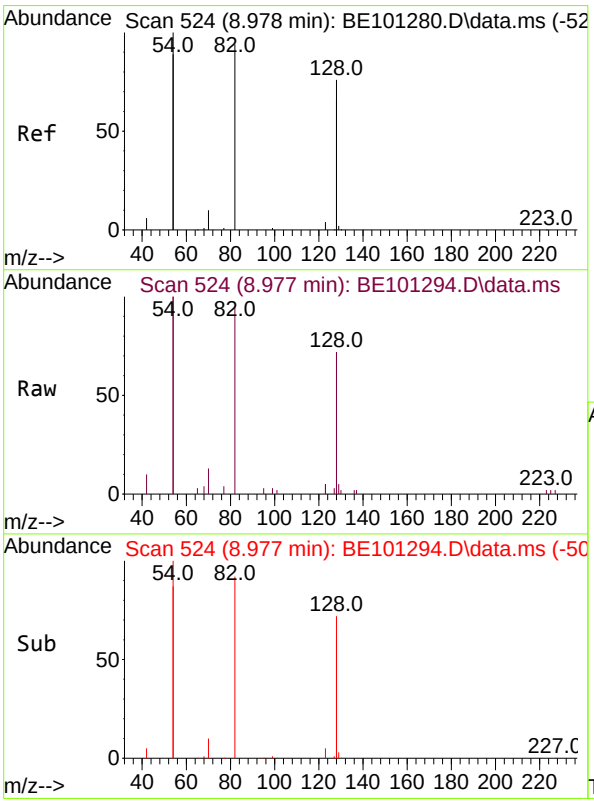


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:136 Resp: 10323

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.6	13.0
54	31.0	34.7	52.1#
68	6.8	7.0	10.4#

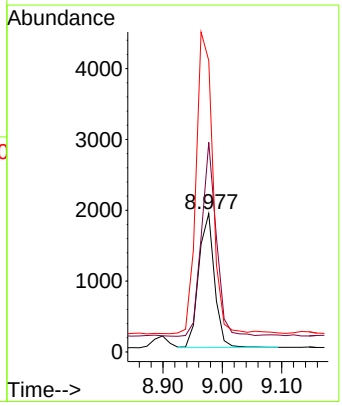


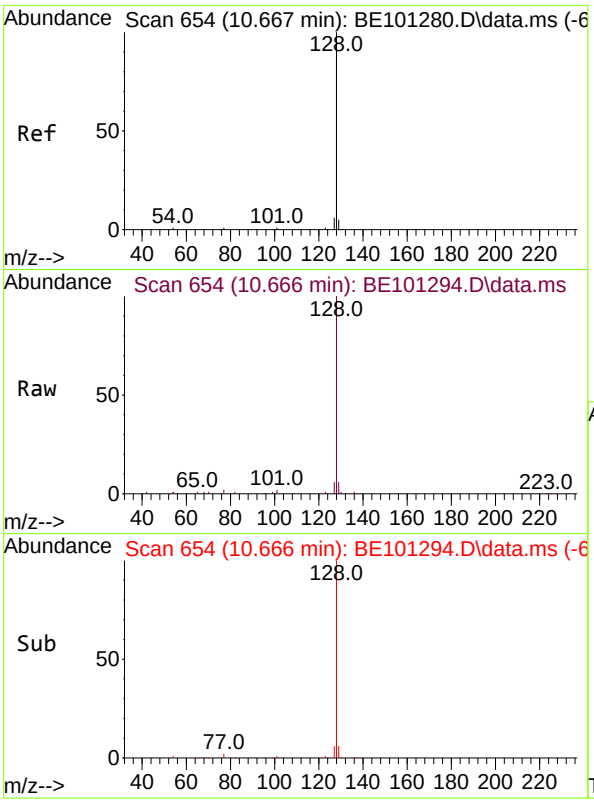


#8
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion: 82 Resp: 3492

Ion	Ratio	Lower	Upper
82	100		
128	151.5	118.7	178.1
54	210.5	164.4	246.6

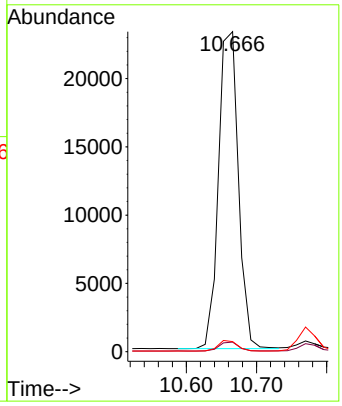




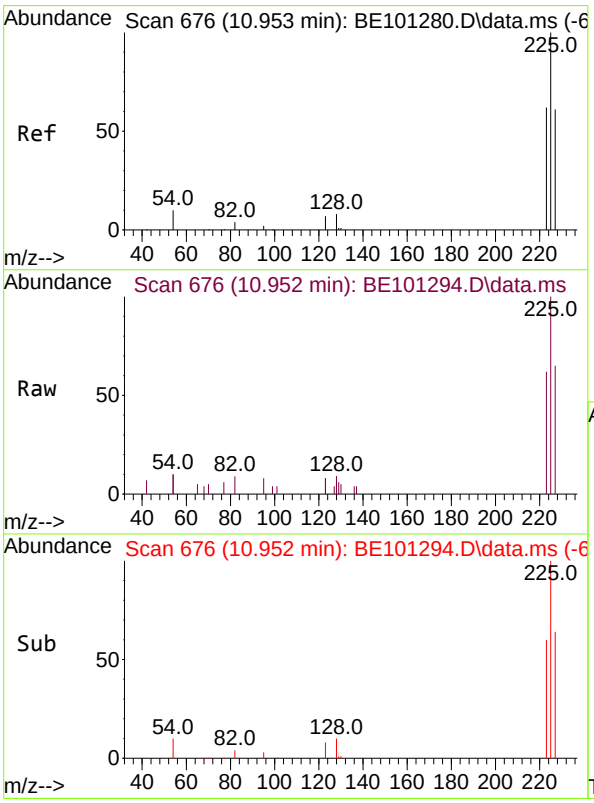
#9
Naphthalene
Concen: 0.41 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:128 Resp: 45793

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.4
127	3.1	2.6	3.8



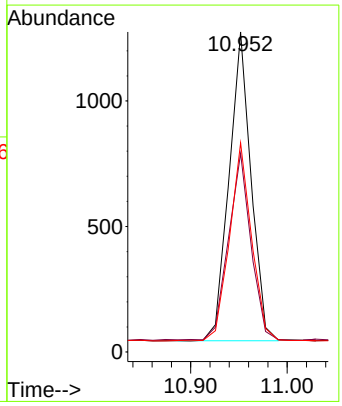
Instrument :
BNA_E
ClientSampleId :
PB135708BS



#10
Hexachlorobutadiene
Concen: 0.41 ng
RT: 10.952 min Scan# 676
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:225 Resp: 1946

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.4	75.6
227	64.6	50.1	75.1



Instrument :
BNA_E
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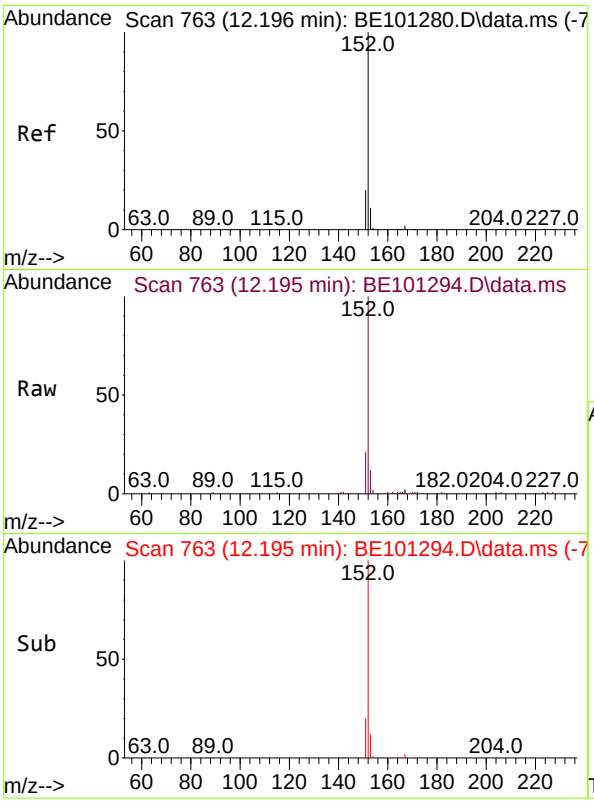
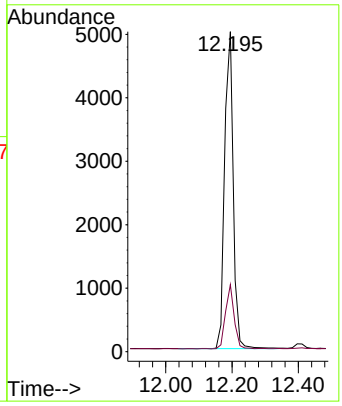
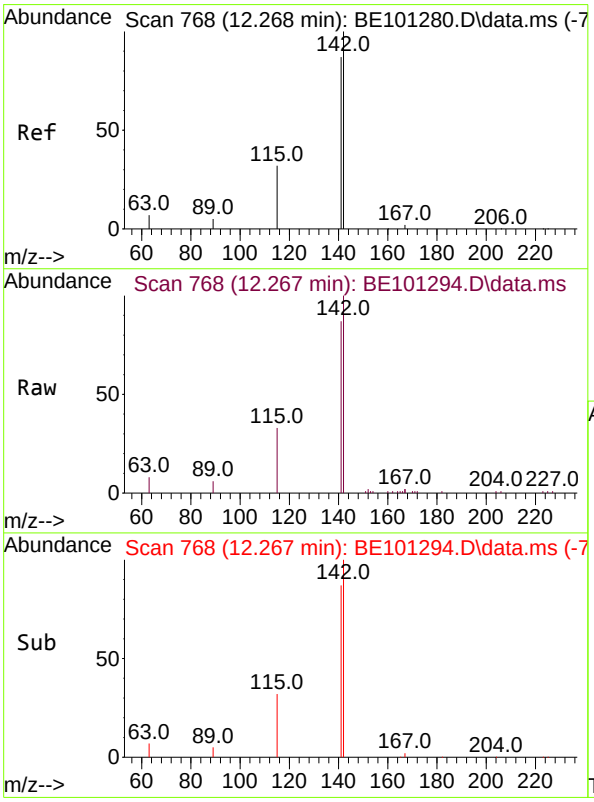


#11
2-Methylnaphthalene-d10
Concen: 0.38 ng
RT: 12.195 min Scan# 763
Delta R.T. -0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:152 Resp: 9094

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.5	24.7

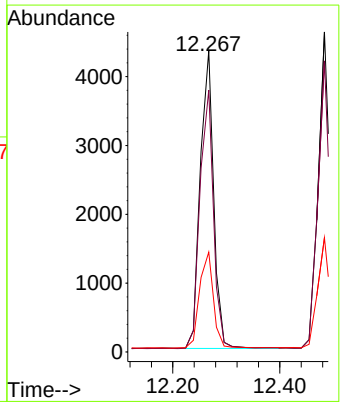




#12
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.267 min Scan# 768
Delta R.T. -0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:142 Resp: 7543

Ion	Ratio	Lower	Upper
142	100		
141	86.9	73.0	109.6
115	33.2	27.8	41.8



Instrument :
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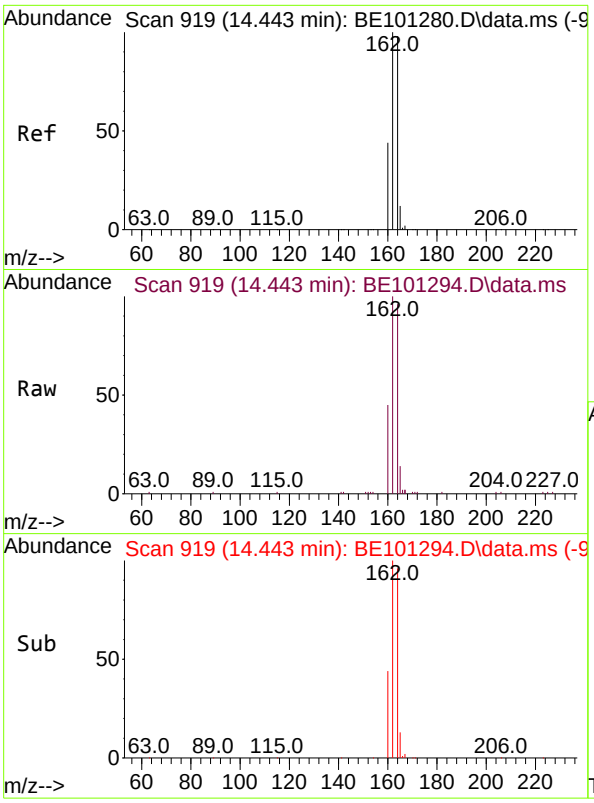
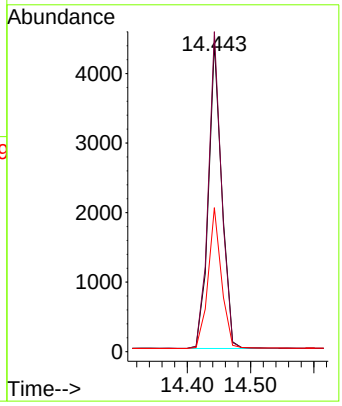
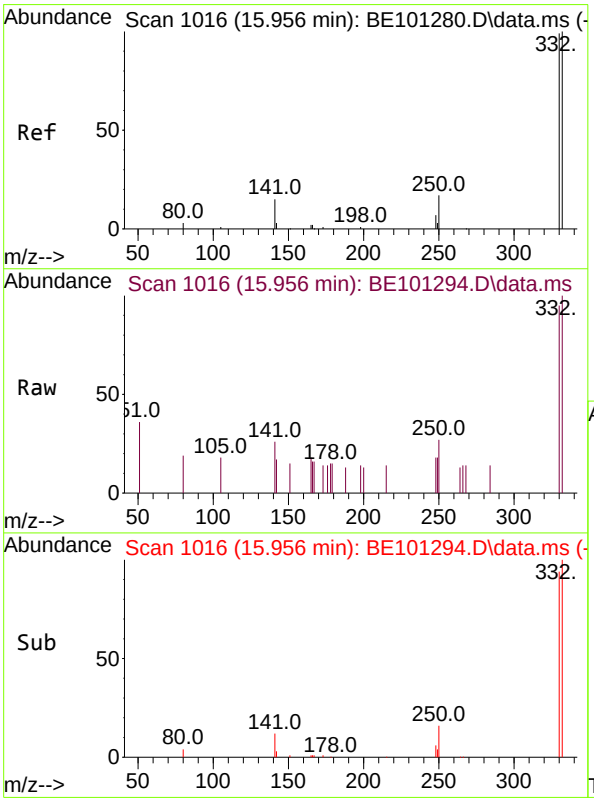


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.443 min Scan# 919
Delta R.T. -0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:164 Resp: 6438

Ion	Ratio	Lower	Upper
164	100		
162	103.7	85.3	127.9
160	46.7	39.1	58.7

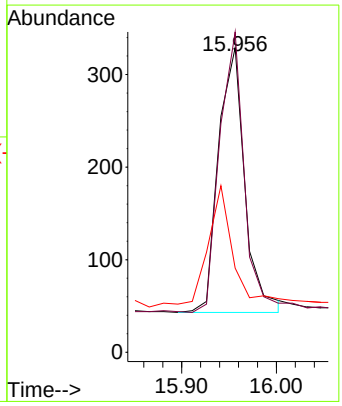




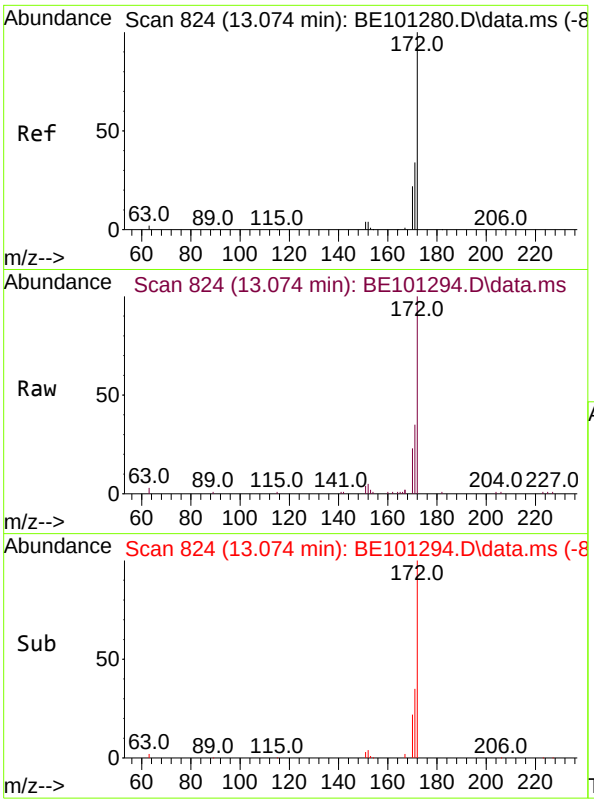
#14
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 15.956 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:330 Resp: 552

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.8	116.6
141	40.8	30.4	45.6



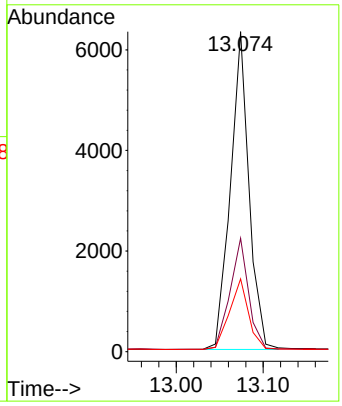
Instrument :
BNA_E
ClientSampleId :
PB135708BS

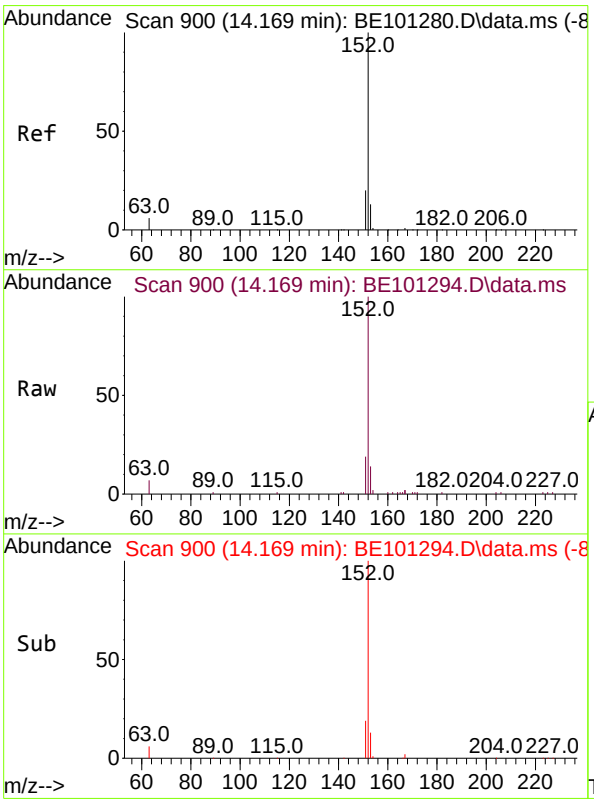


#15
2-Fluorobiphenyl
Concen: 0.42 ng
RT: 13.074 min Scan# 824
Delta R.T. -0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:172 Resp: 9388

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	22.7	19.3	28.9

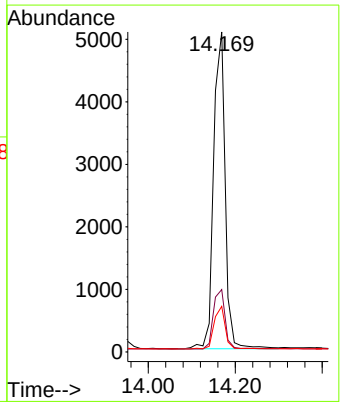




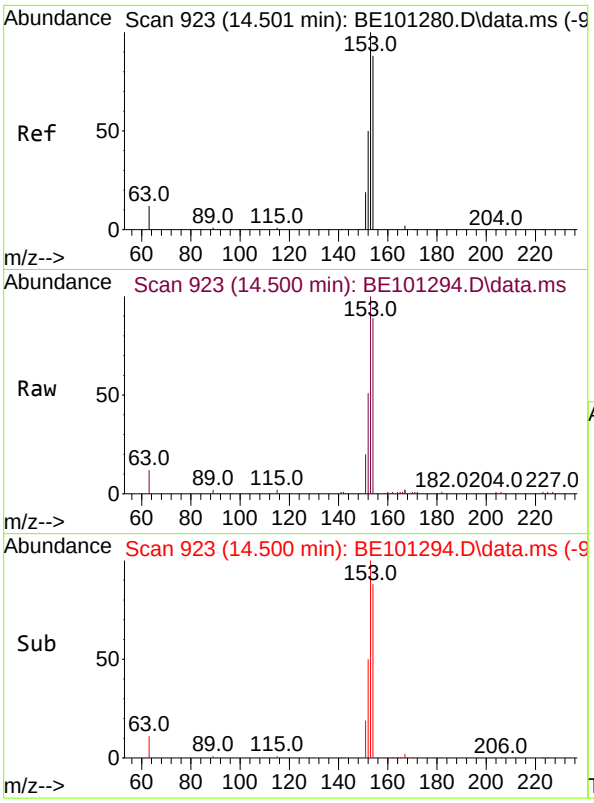
#16
Acenaphthylene
Concen: 0.36 ng
RT: 14.169 min Scan# 900
Delta R.T. -0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:152 Resp: 9380

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.0	10.0	15.0



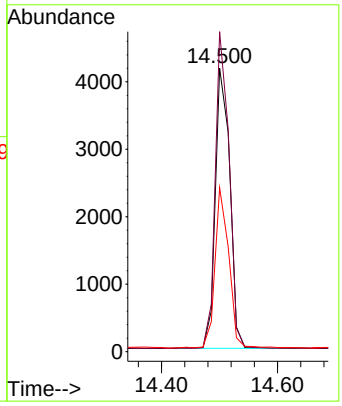
Instrument :
BNA_E
ClientSampleId :
PB135708BS

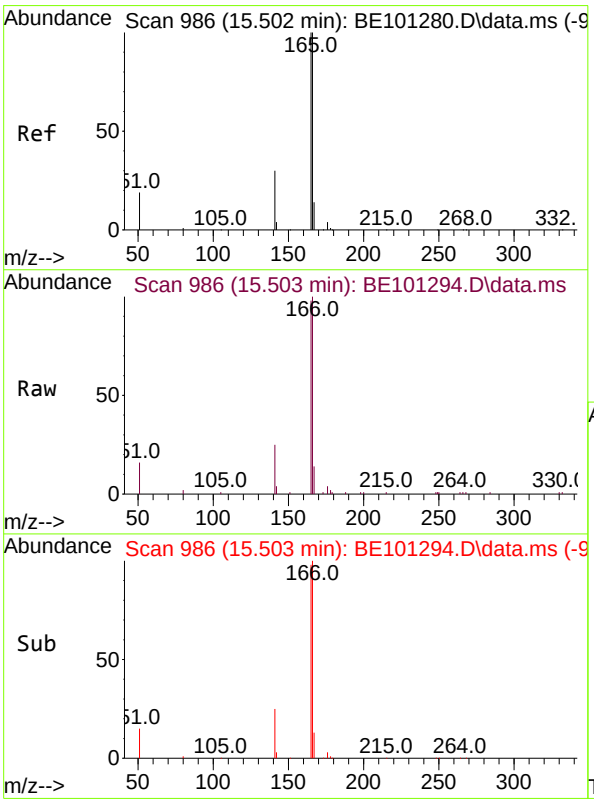


#17
Acenaphthene
Concen: 0.39 ng
RT: 14.500 min Scan# 923
Delta R.T. -0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:154 Resp: 7147

Ion	Ratio	Lower	Upper
154	100		
153	108.3	84.9	127.3
152	54.7	42.7	64.1

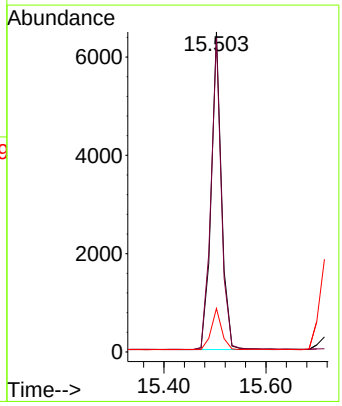




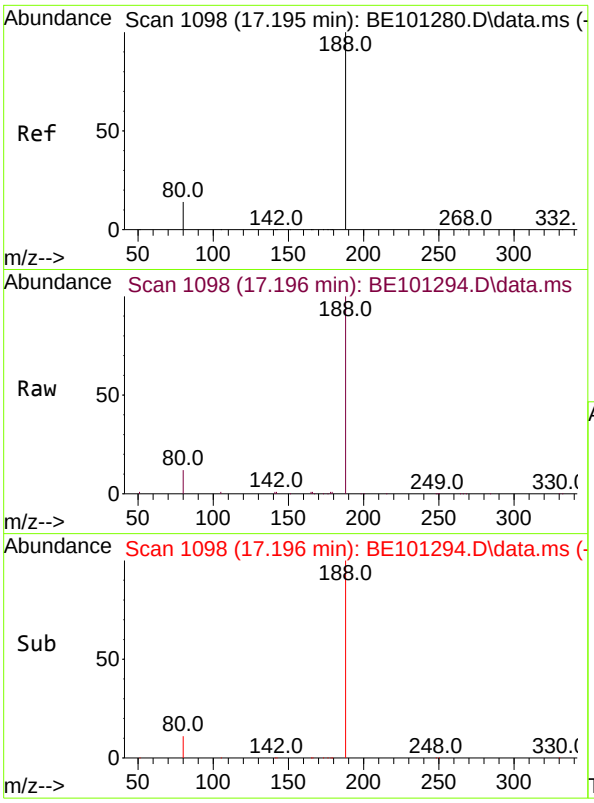
#18
Fluorene
Concen: 0.37 ng
RT: 15.503 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:166 Resp: 9073

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.0	118.4
167	13.2	11.0	16.4



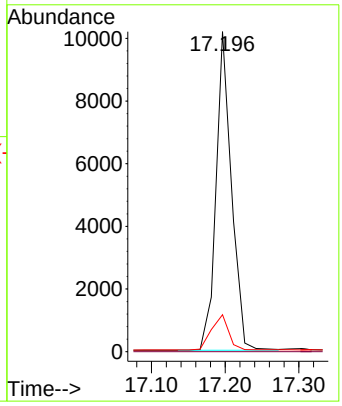
Instrument :
BNA_E
ClientSampleId :
PB135708BS

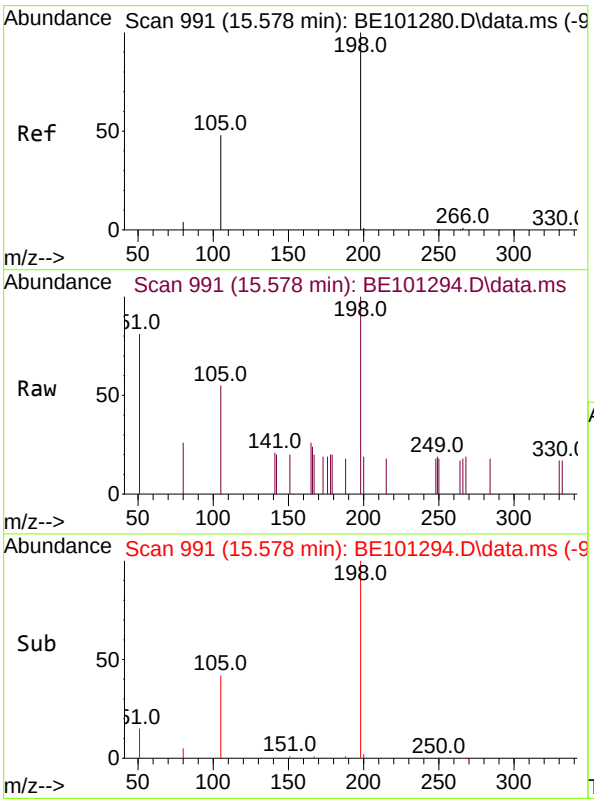


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.196 min Scan# 1098
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:188 Resp: 14824

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	4.6	6.8#

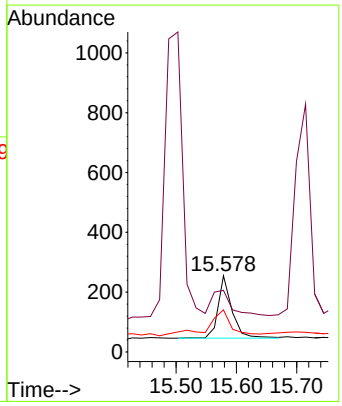




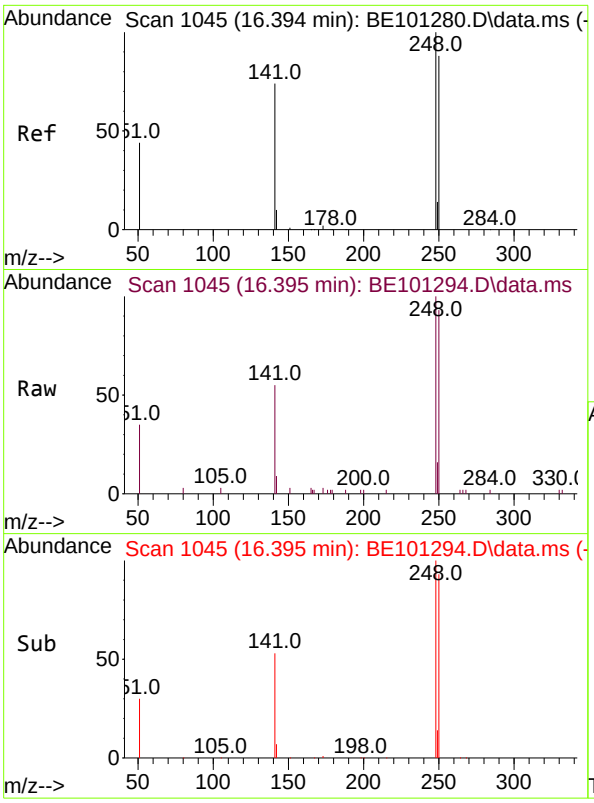
#20
4,6-Dinitro-2-methylphenol
Concen: 0.33 ng
RT: 15.578 min Scan# 991
Delta R.T. 0.000 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:198 Resp: 334

Ion	Ratio	Lower	Upper
198	100		
51	80.8	55.9	83.9
105	55.3	33.6	50.4#



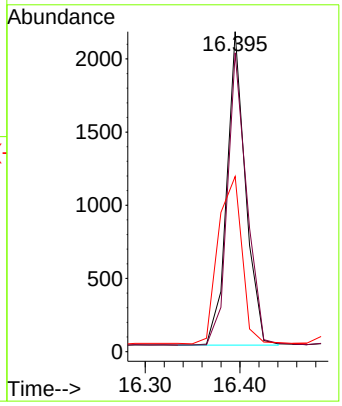
Instrument :
BNA_E
ClientSampleId :
PB135708BS

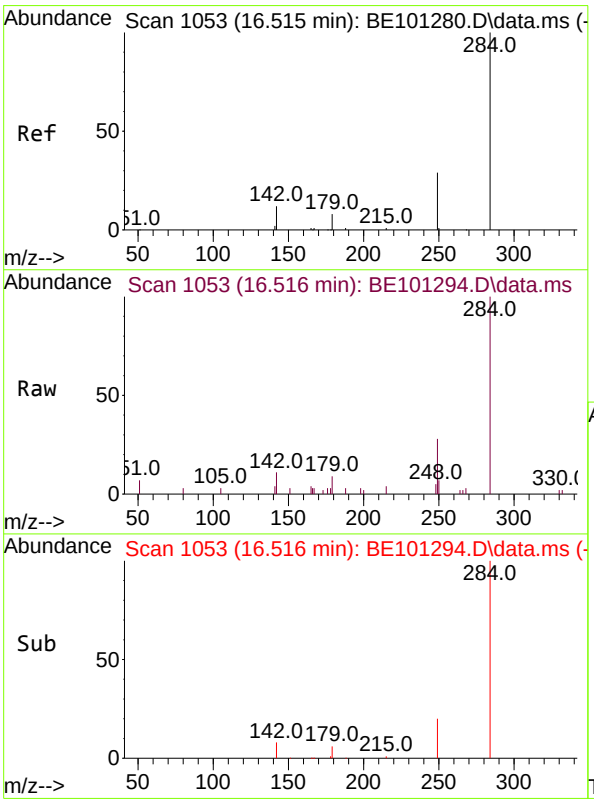


#21
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.395 min Scan# 1045
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:248 Resp: 2941

Ion	Ratio	Lower	Upper
248	100		
250	93.4	84.5	126.7
141	54.8	19.8	29.8#

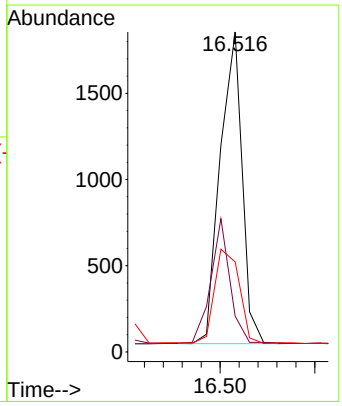




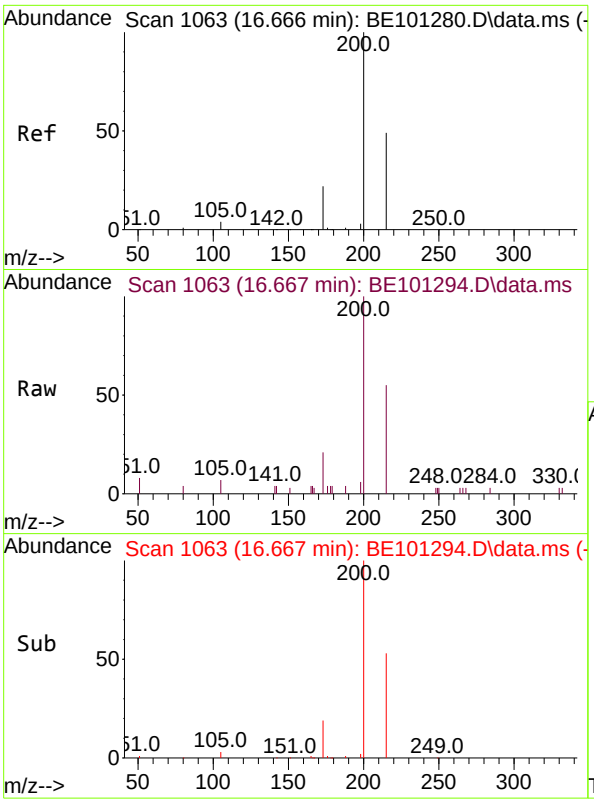
#22
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.516 min Scan# 1053
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:284 Resp: 2907

Ion	Ratio	Lower	Upper
284	100		
142	34.8	27.4	41.0
249	34.2	26.5	39.7



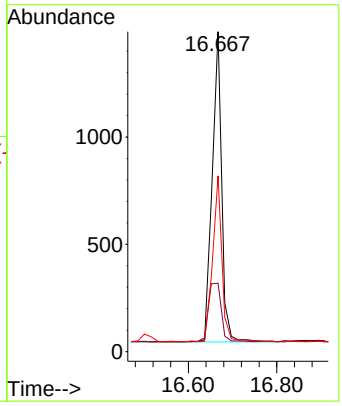
Instrument :
BNA_E
ClientSampleId :
PB135708BS

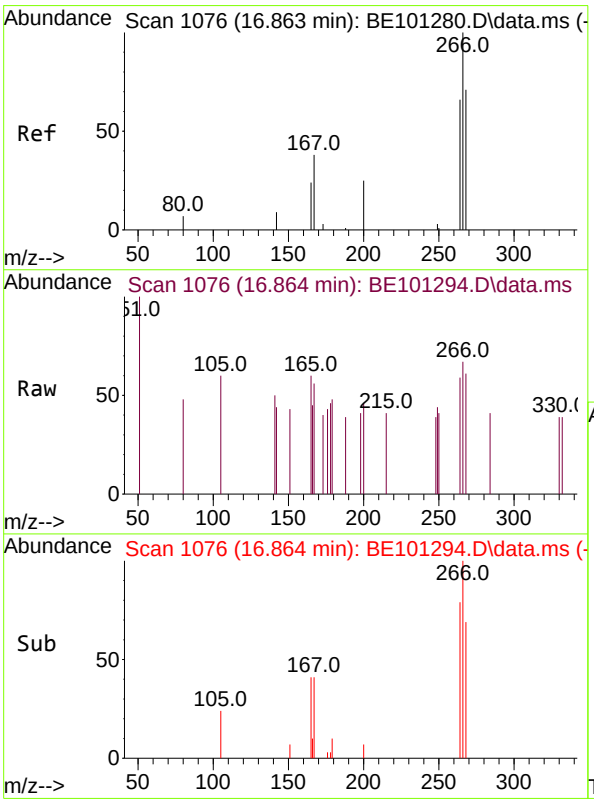


#23
Atrazine
Concen: 0.32 ng
RT: 16.667 min Scan# 1063
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:200 Resp: 2154

Ion	Ratio	Lower	Upper
200	100		
173	21.4	21.9	32.9#
215	54.9	38.6	57.8

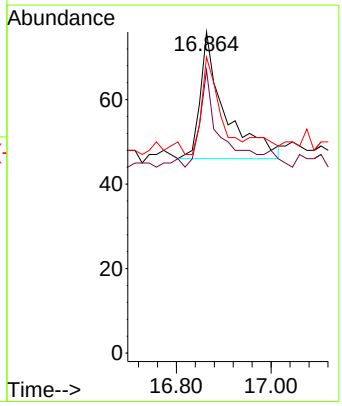


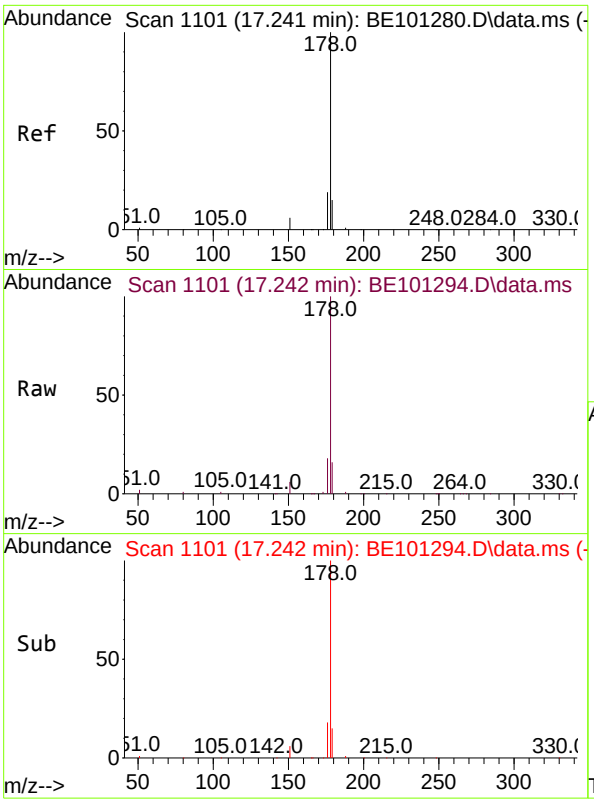


#24
Pentachlorophenol
Concen: 0.37 ng
RT: 16.864 min Scan# 1076
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:266 Resp: 109

Ion	Ratio	Lower	Upper
266	100		
264	67.9	49.1	73.7
268	56.0	50.6	76.0

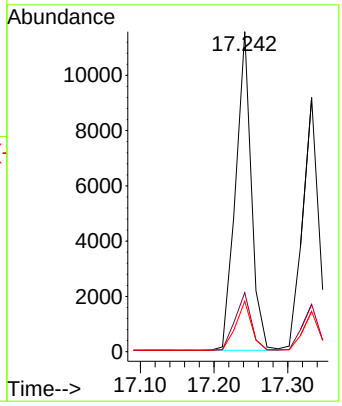




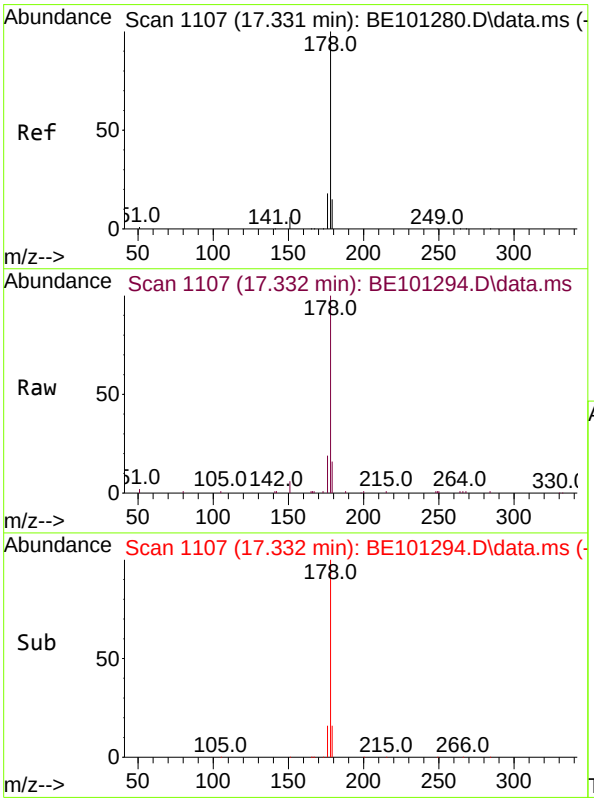
#25
Phenanthrene
Concen: 0.39 ng
RT: 17.242 min Scan# 1101
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:178 Resp: 16987

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.5	12.2	18.4



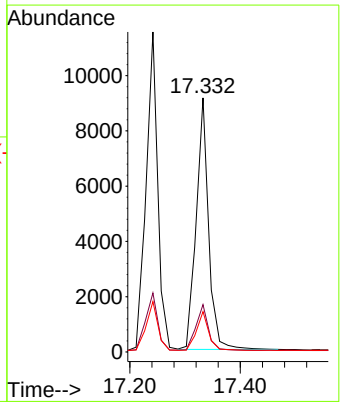
Instrument :
BNA_E
ClientSampleId :
PB135708BS



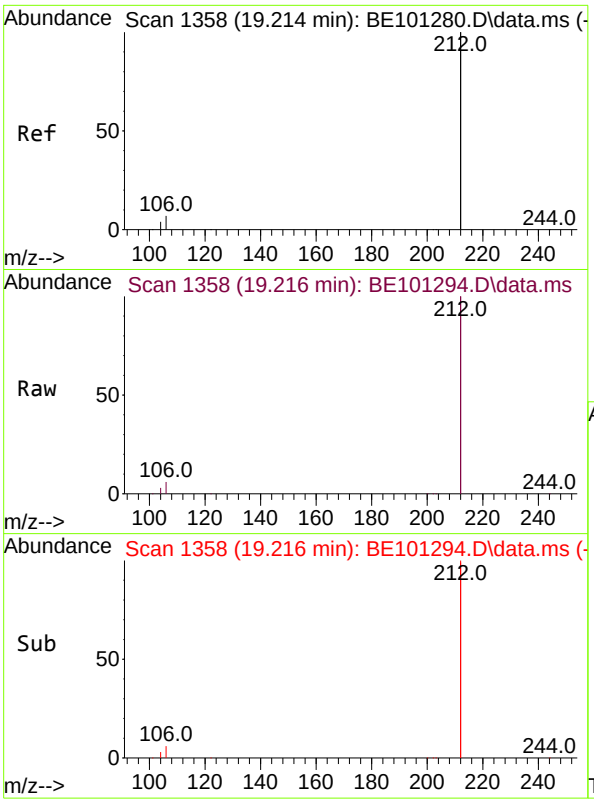
#26
Anthracene
Concen: 0.37 ng
RT: 17.332 min Scan# 1107
Delta R.T. 0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:178 Resp: 14190

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.4	21.6
179	15.4	11.8	17.8



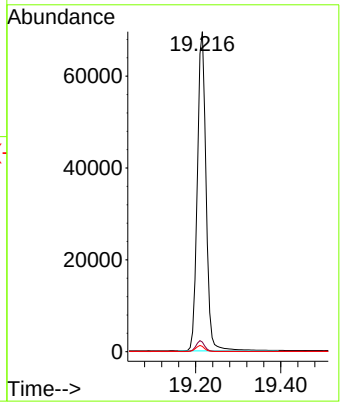
Instrument :
BNA_E
ClientSampleId :
PB135708BS

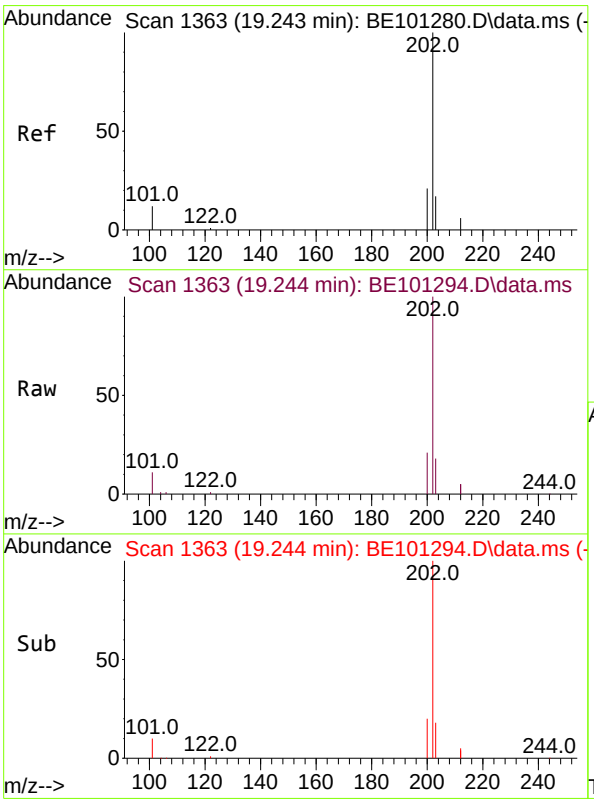


#27
Fluoranthene-d10
Concen: 0.38 ng
RT: 19.216 min Scan# 1358
Delta R.T. 0.002 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:212 Resp: 99238

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	4.0
104	1.8	1.4	2.2

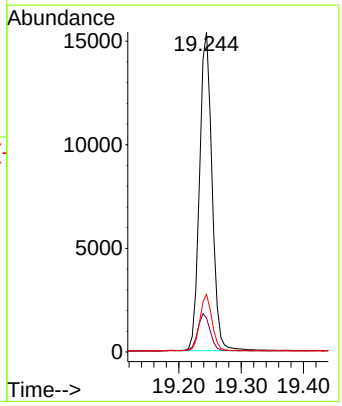




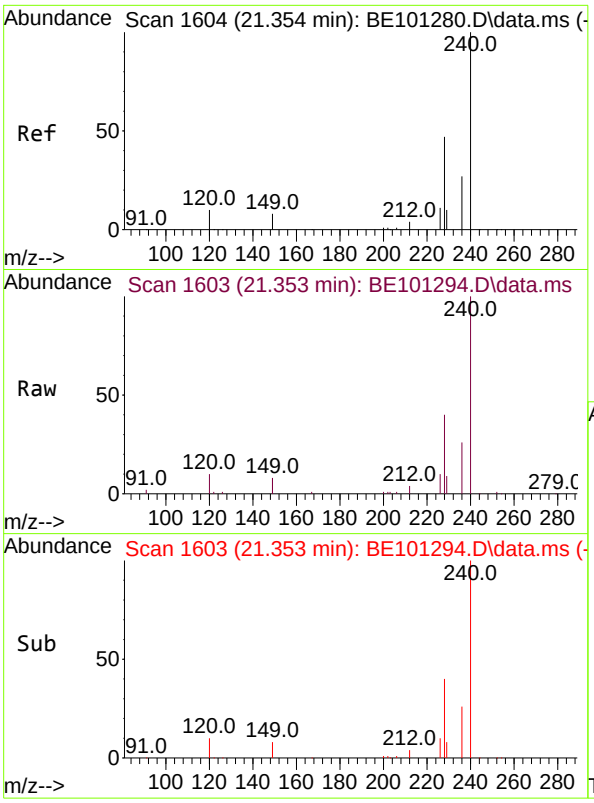
#28
Fluoranthene
Concen: 0.38 ng
RT: 19.244 min Scan# 1363
Delta R.T. 0.002 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:202 Resp: 21446

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.1	13.7
203	17.2	13.6	20.4



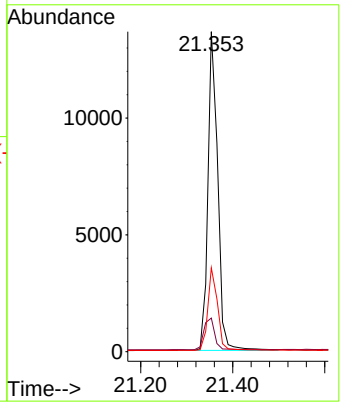
Instrument :
BNA_E
ClientSampleId :
PB135708BS

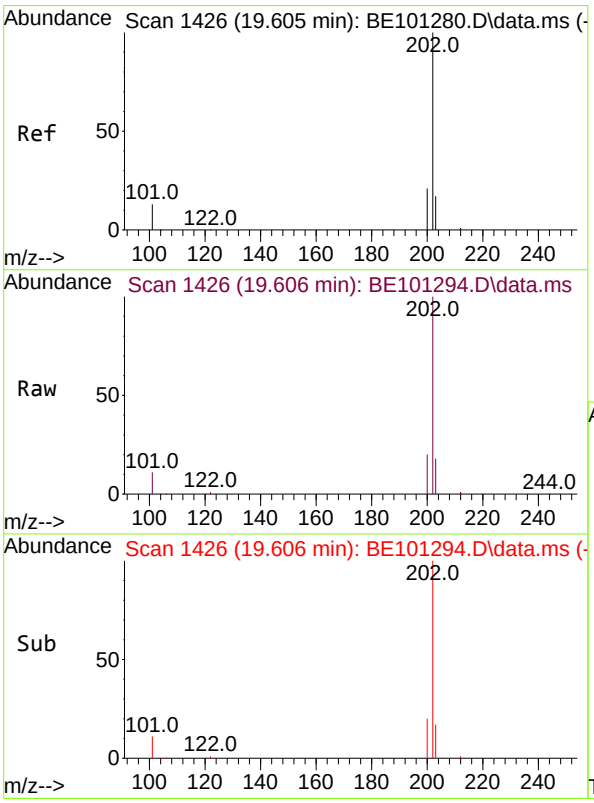


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.353 min Scan# 1603
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:240 Resp: 19993

Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.2	15.4
236	26.2	21.7	32.5

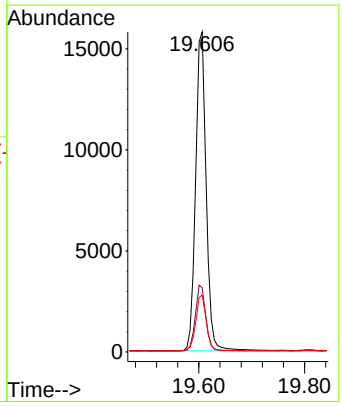




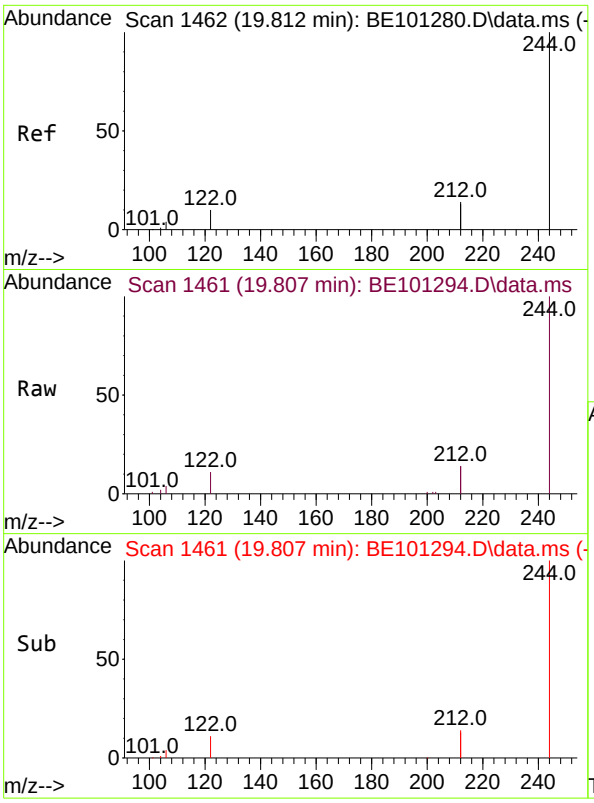
#30
Pyrene
Concen: 0.34 ng
RT: 19.606 min Scan# 1426
Delta R.T. 0.002 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:202 Resp: 21917

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.5	13.8	20.8



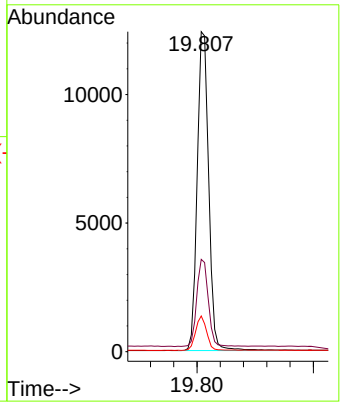
Instrument :
BNA_E
ClientSampleId :
PB135708BS

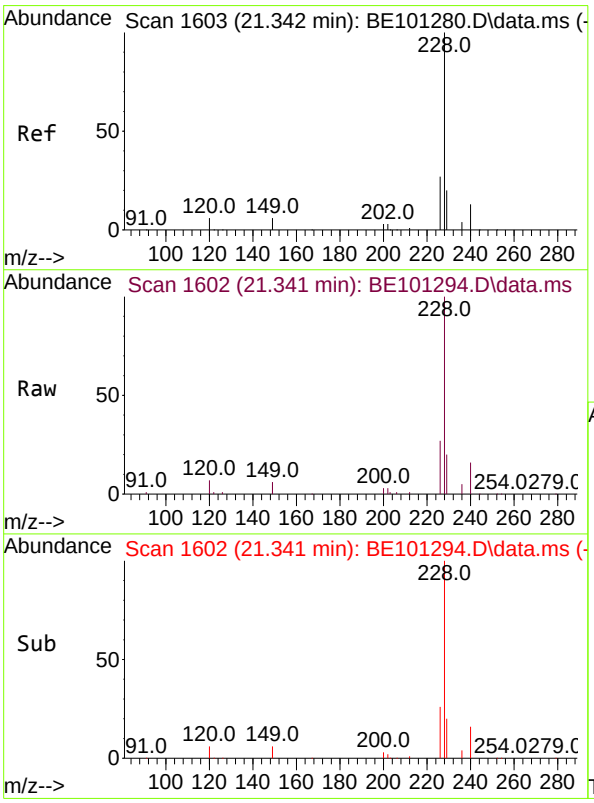


#31
Terphenyl-d14
Concen: 0.35 ng
RT: 19.807 min Scan# 1461
Delta R.T. -0.004 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:244 Resp: 17020

Ion	Ratio	Lower	Upper
244	100		
212	28.8	21.9	32.9
122	11.1	7.3	10.9#

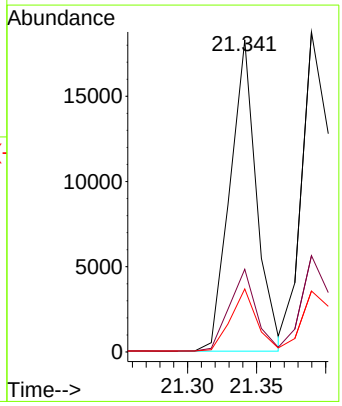




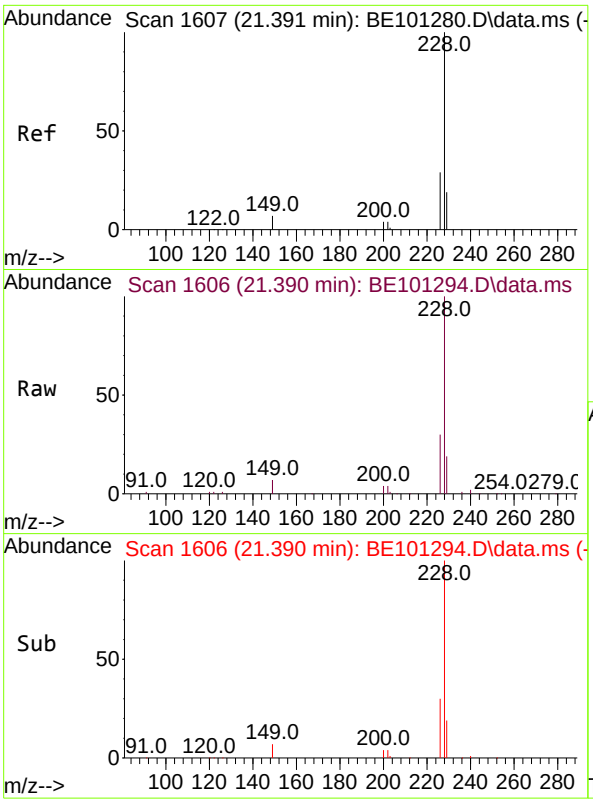
#32
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.341 min Scan# 1602
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:228 Resp: 24425

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.4	32.2
229	20.2	15.7	23.5



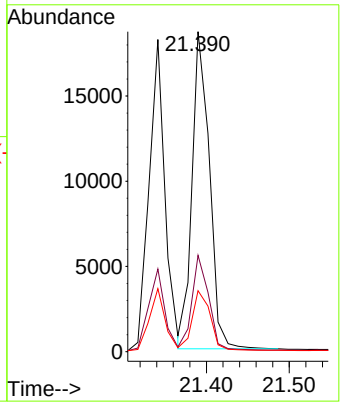
Instrument :
BNA_E
ClientSampleId :
PB135708BS

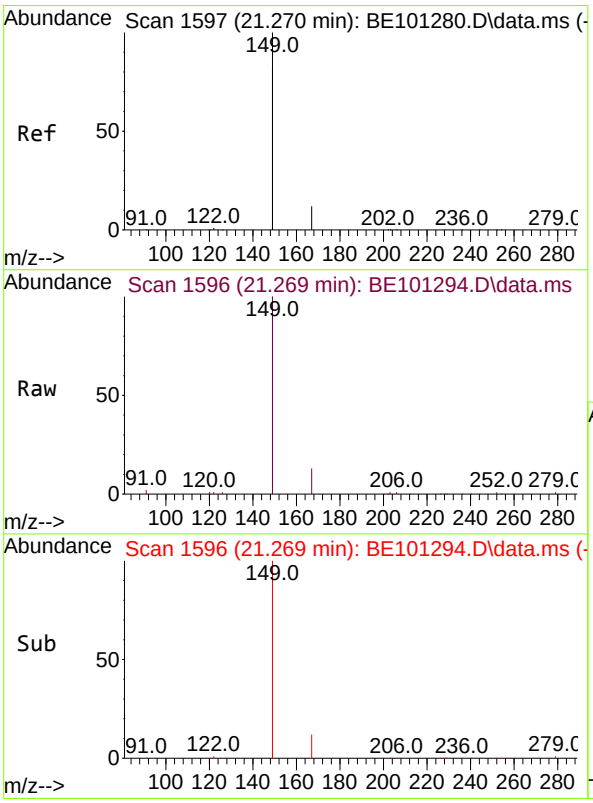


#33
Chrysene
Concen: 0.41 ng
RT: 21.390 min Scan# 1606
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:228 Resp: 27112

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.8	37.2
229	19.1	15.2	22.8

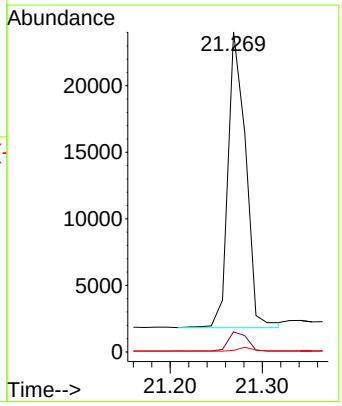




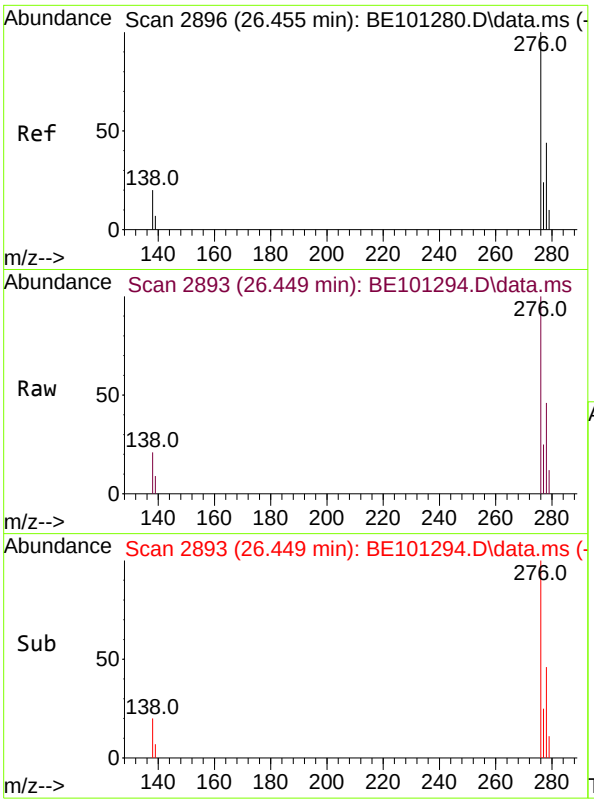
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.36 ng
RT: 21.269 min Scan# 1596
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:149 Resp: 29645

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.5	8.3
279	1.2	1.0	1.4



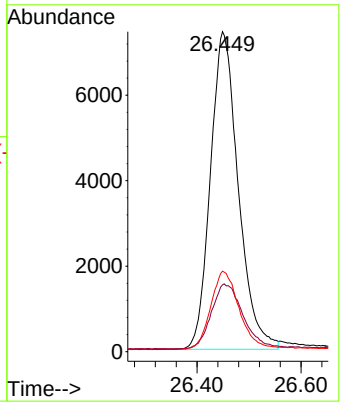
Instrument :
BNA_E
ClientSampleId :
PB135708BS

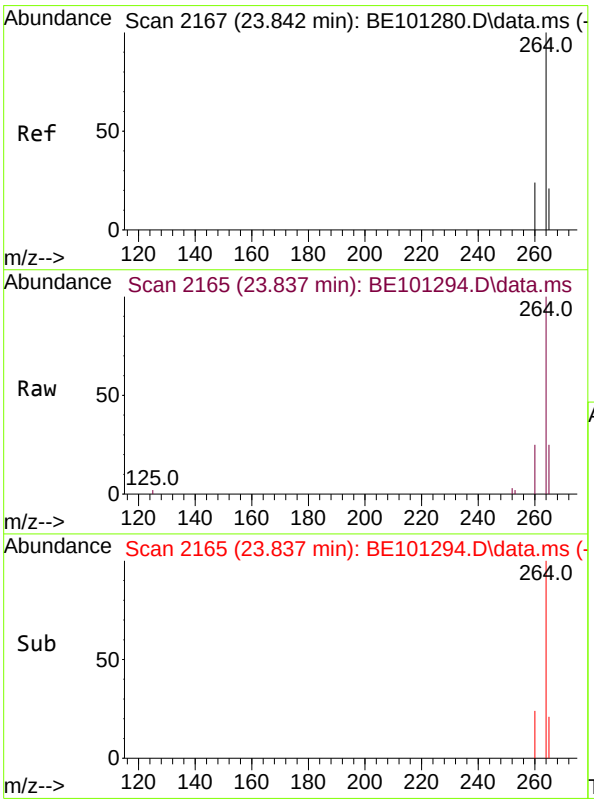


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.43 ng
RT: 26.449 min Scan# 2893
Delta R.T. -0.006 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:276 Resp: 27665

Ion	Ratio	Lower	Upper
276	100		
138	23.1	17.4	26.0
277	25.1	19.8	29.8

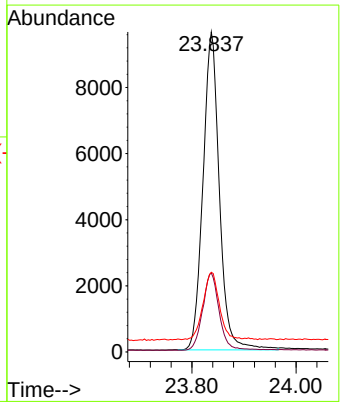




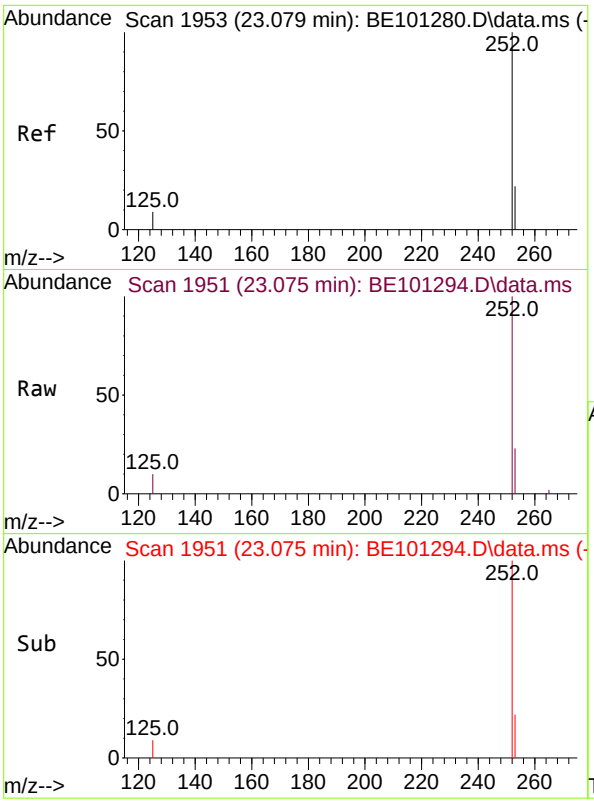
#36
Perylene-d12
Concen: 0.40 ng
RT: 23.837 min Scan# 2165
Delta R.T. -0.004 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:264 Resp: 20999

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	24.9	22.4	33.6



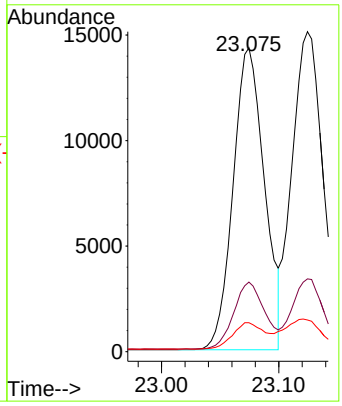
Instrument :
BNA_E
ClientSampleId :
PB135708BS

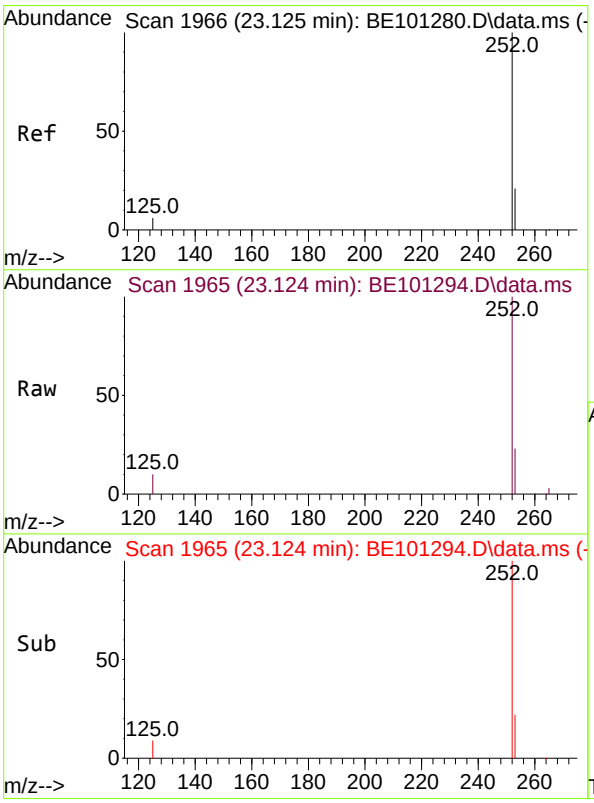


#37
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 23.075 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:252 Resp: 26600

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	9.6	7.6	11.4

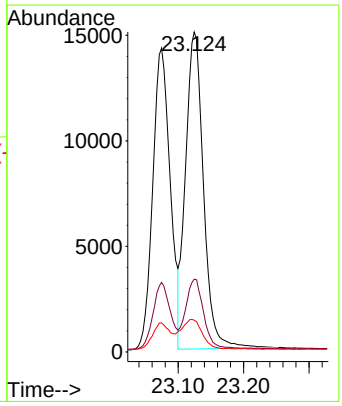




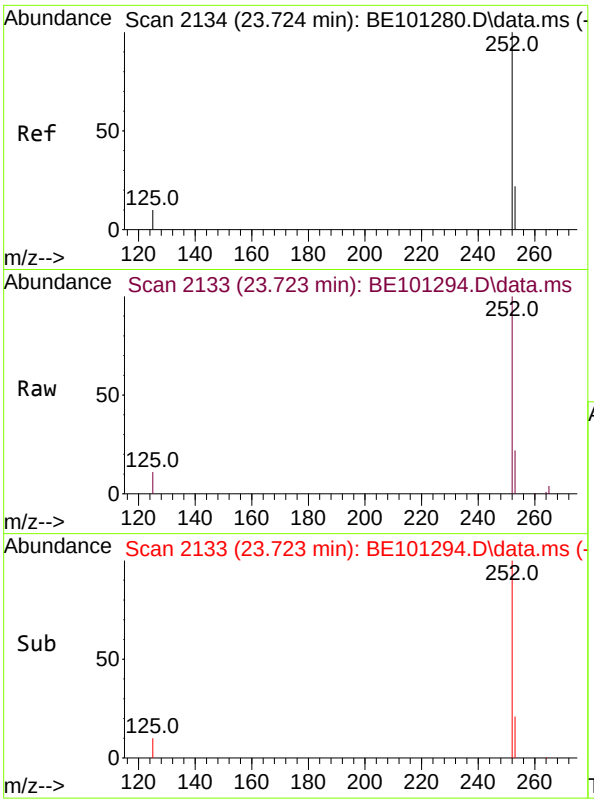
#38
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 23.124 min Scan# 1965
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:252 Resp: 28703

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	9.9	7.6	11.4



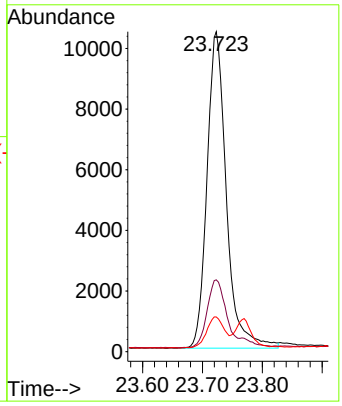
Instrument :
BNA_E
ClientSampleId :
PB135708BS

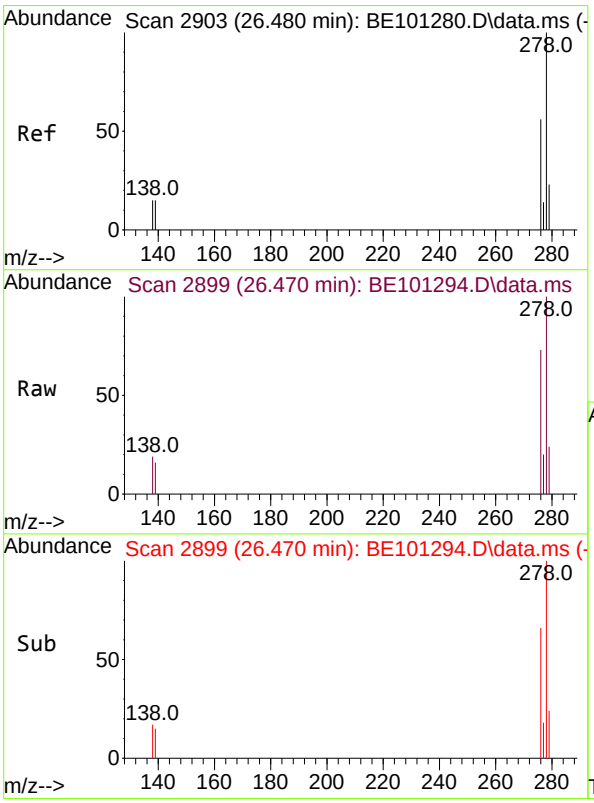


#39
Benzo(a)pyrene
Concen: 0.37 ng
RT: 23.723 min Scan# 2133
Delta R.T. -0.001 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:252 Resp: 23448

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.8	8.0	12.0

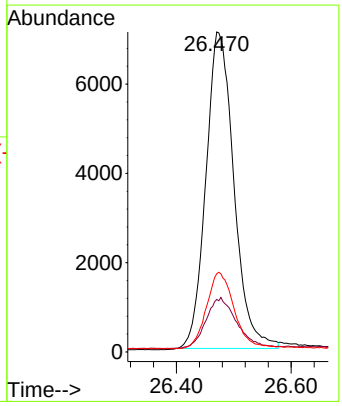


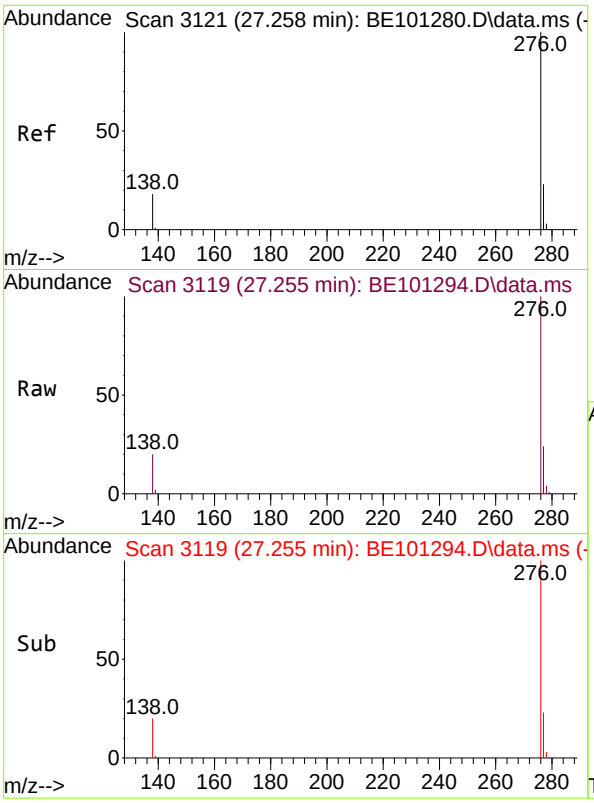


#40
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.470 min Scan# 2899
Delta R.T. -0.010 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:278 Resp: 24041

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.2	18.2
279	24.5	19.3	28.9

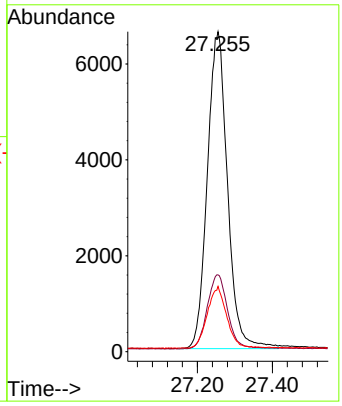




#41
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.255 min Scan# 3119
Delta R.T. -0.003 min
Lab File: BE101294.D
Acq: 13 Apr 2021 15:11

Tgt Ion:276 Resp: 24680

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	20.4	15.2	22.8



Instrument :
BNA_E
ClientSampleId :
PB135708BS