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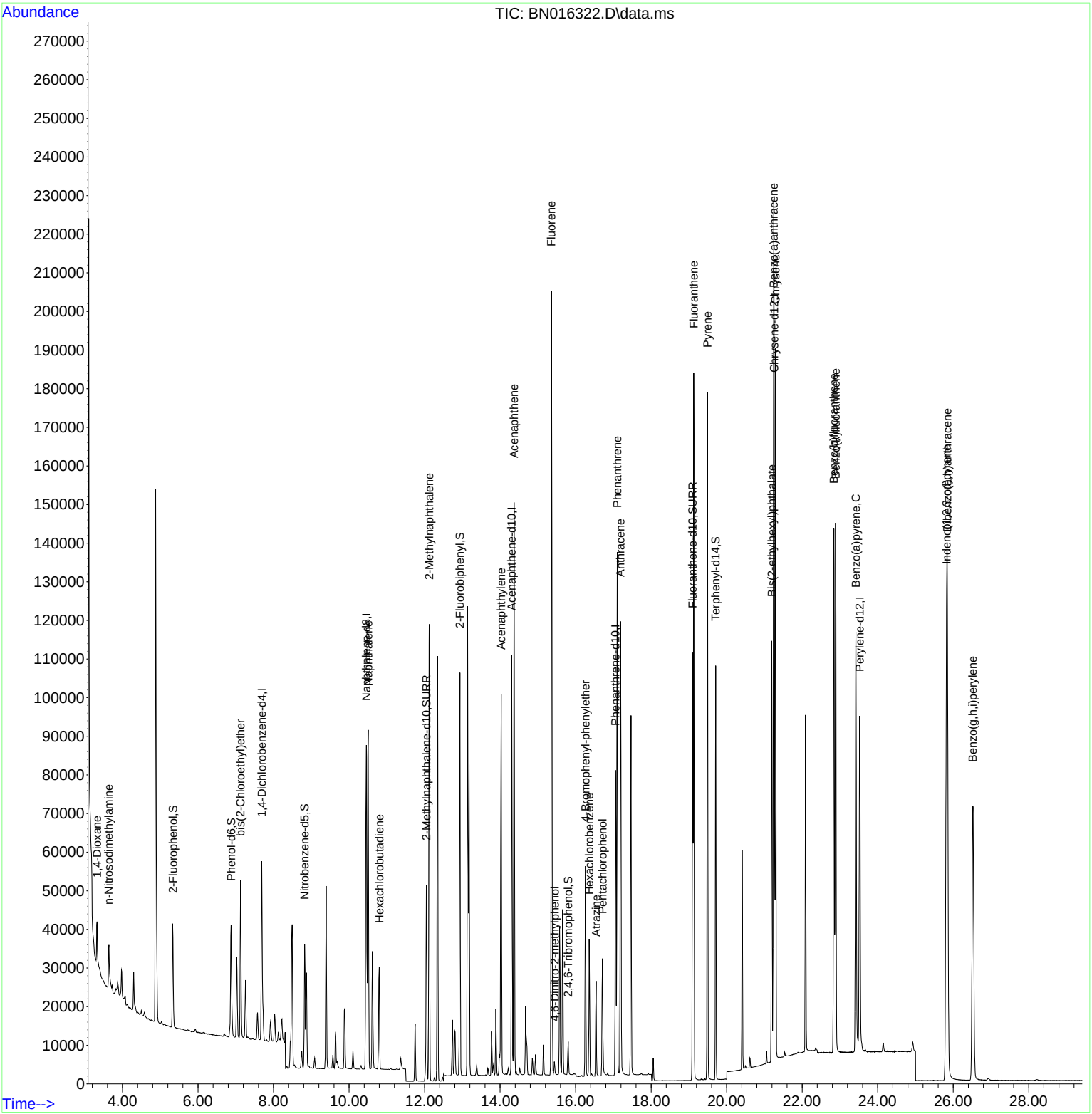
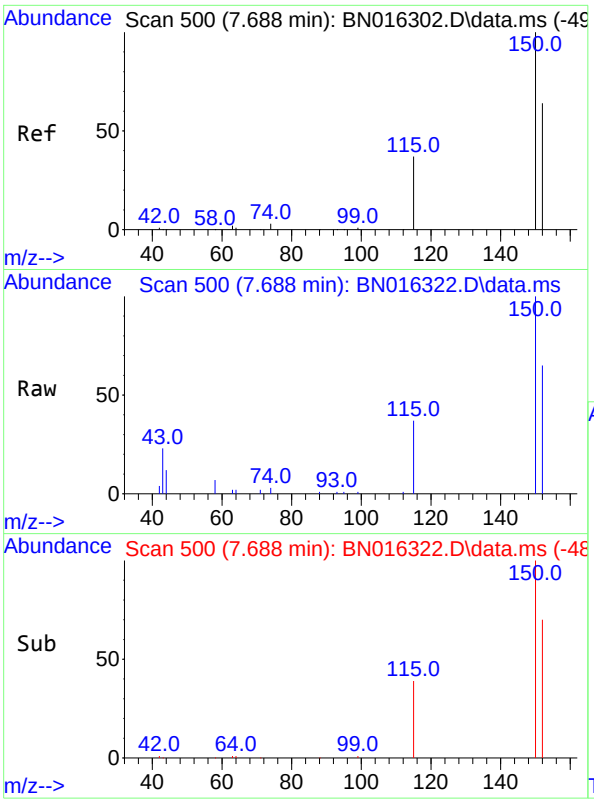
Data File : BN016322.D
Acq On : 18 Sep 2021 07:20
Operator : CG/JU
Sample : PB139136BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB139136BS

Quant Time: Sep 18 08:11:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 17 23:59:14 2021
Response via : Initial Calibration



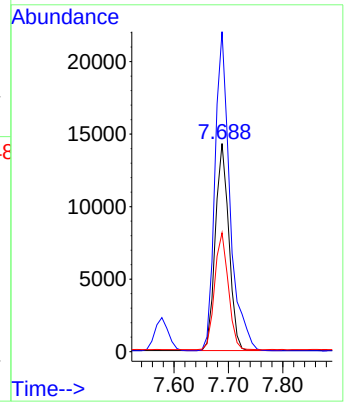
Instrument :
BNA_N
ClientSampleId :
PB139136BS

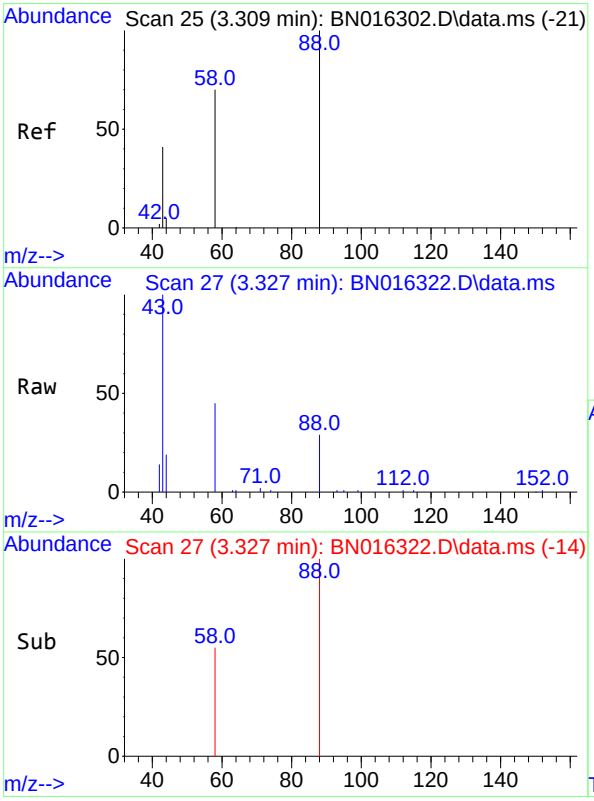


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.688 min Scan# 500
Delta R.T. 0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:152 Resp: 24597

Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.6	188.4
115	57.1	50.2	75.2

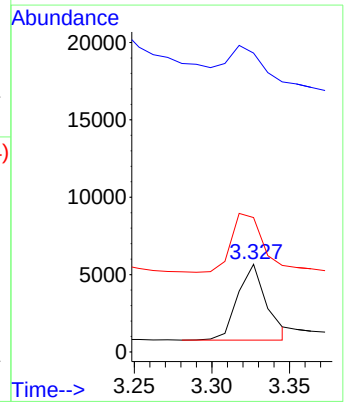




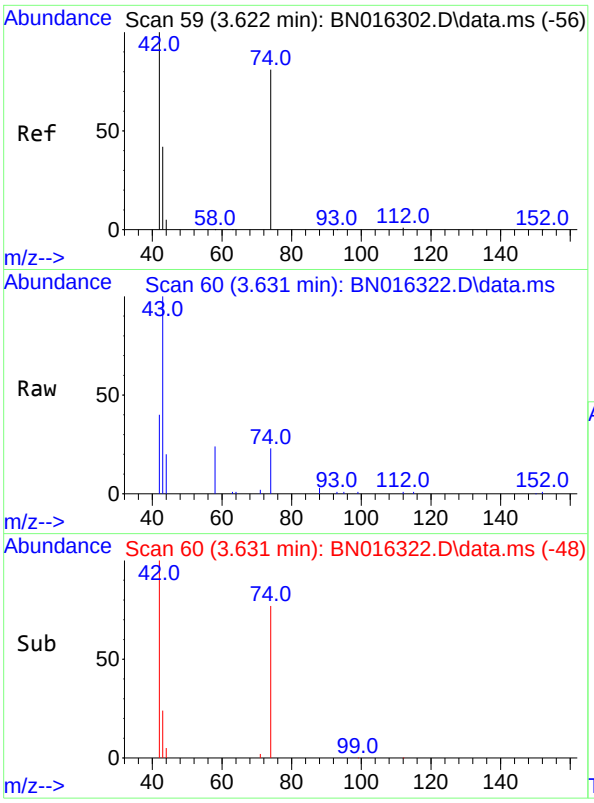
#2
1,4-Dioxane
Concen: 0.622 ng
RT: 3.327 min Scan# 27
Delta R.T. 0.018 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion: 88 Resp: 6362

Ion	Ratio	Lower	Upper
88	100		
43	52.2	20.3	30.5#
58	83.3	69.9	104.9



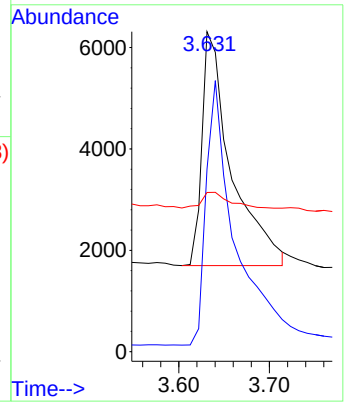
Instrument :
BNA_N
ClientSampleId :
PB139136BS

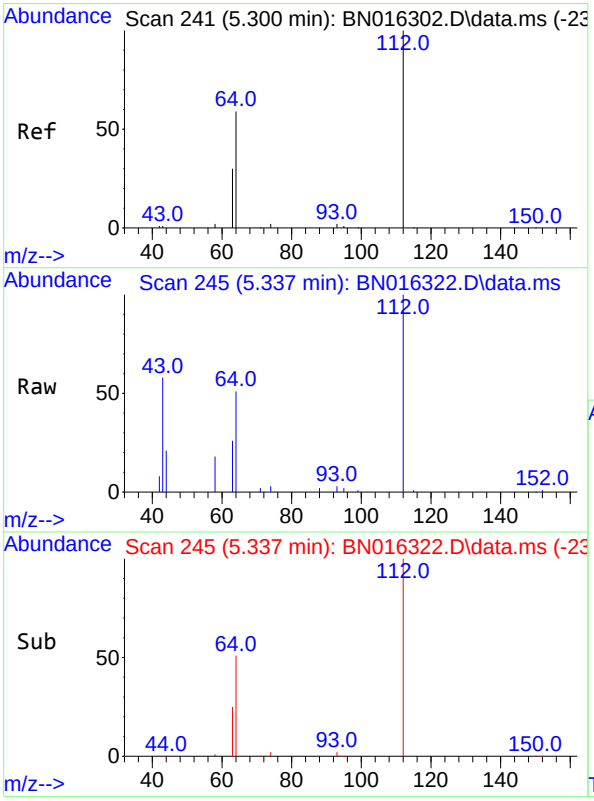


#3
n-Nitrosodimethylamine
Concen: 0.443 ng
RT: 3.631 min Scan# 60
Delta R.T. 0.009 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion: 42 Resp: 10358

Ion	Ratio	Lower	Upper
42	100		
74	110.9	113.6	170.4#
44	6.2	0.0	0.0#

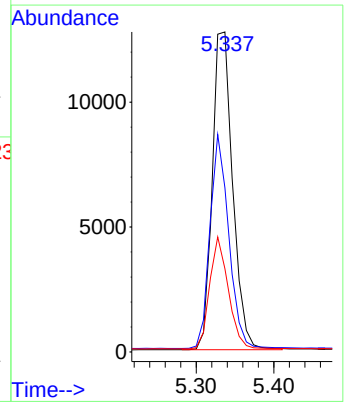




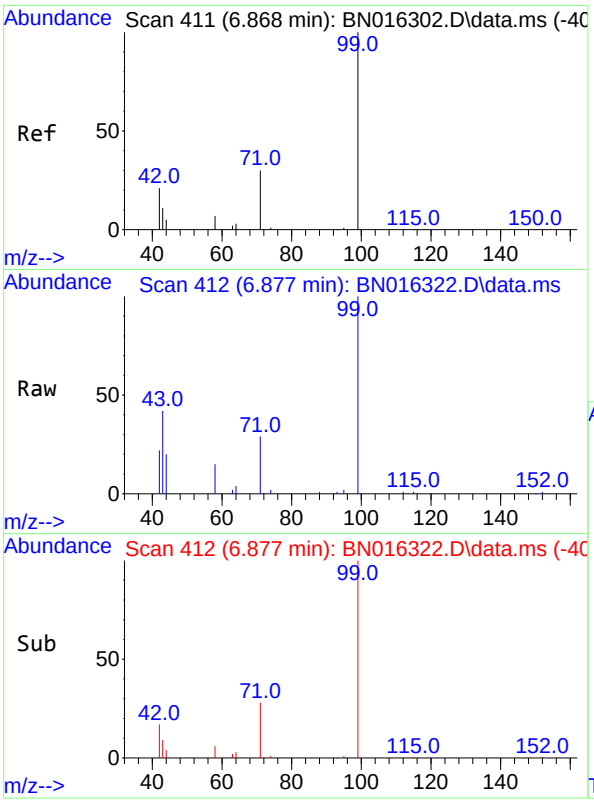
#4
2-Fluorophenol
Concen: 0.376 ng
RT: 5.337 min Scan# 245
Delta R.T. 0.037 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:112 Resp: 23197

Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.3	70.9
63	32.3	23.4	35.0



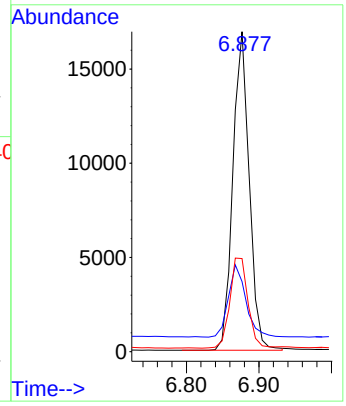
Instrument :
BNA_N
ClientSampleId :
PB139136BS

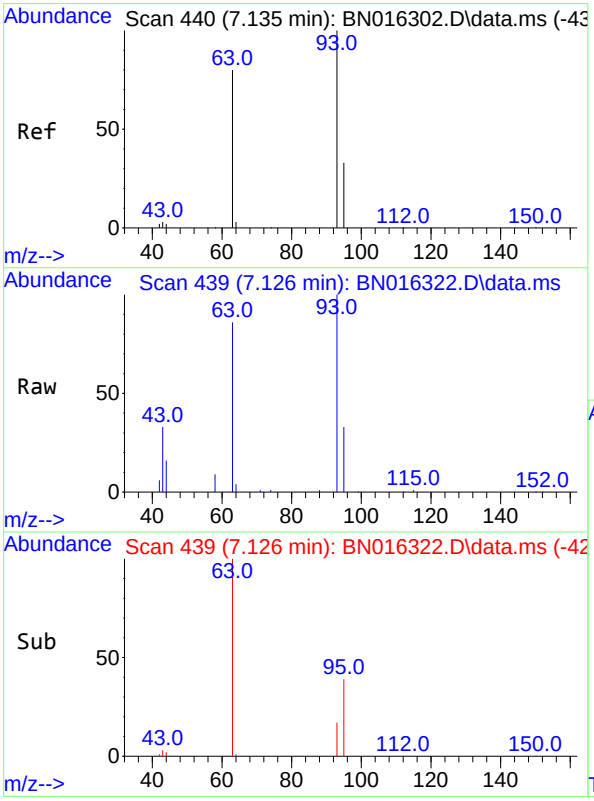


#5
Phenol-d6
Concen: 0.353 ng
RT: 6.877 min Scan# 412
Delta R.T. 0.009 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion: 99 Resp: 26410

Ion	Ratio	Lower	Upper
99	100		
42	24.3	14.0	21.0#
71	31.4	23.8	35.6

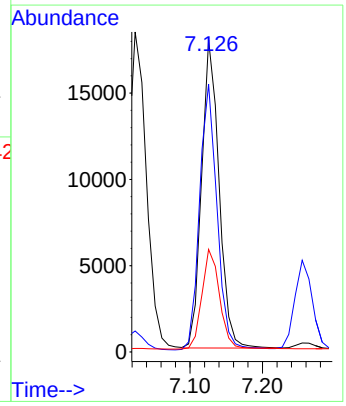




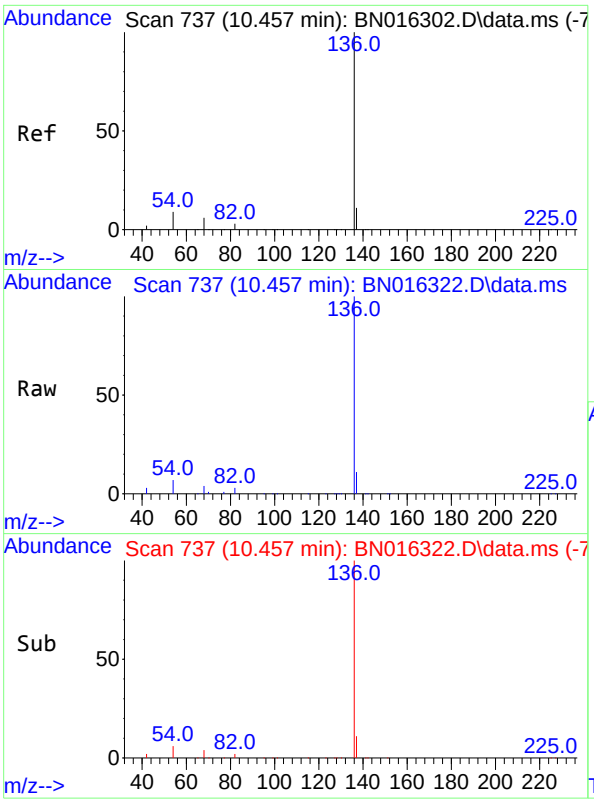
#6
bis(2-Chloroethyl)ether
Concen: 0.449 ng
RT: 7.126 min Scan# 439
Delta R.T. -0.010 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion: 93 Resp: 29907

Ion	Ratio	Lower	Upper
93	100		
63	86.6	63.4	95.0
95	33.4	26.8	40.2



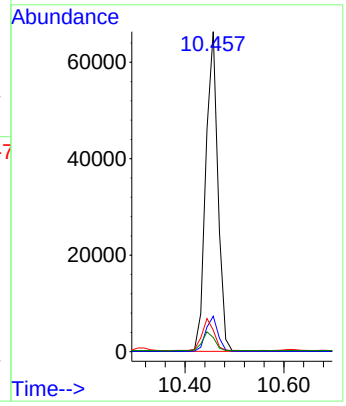
Instrument :
BNA_N
ClientSampleId :
PB139136BS

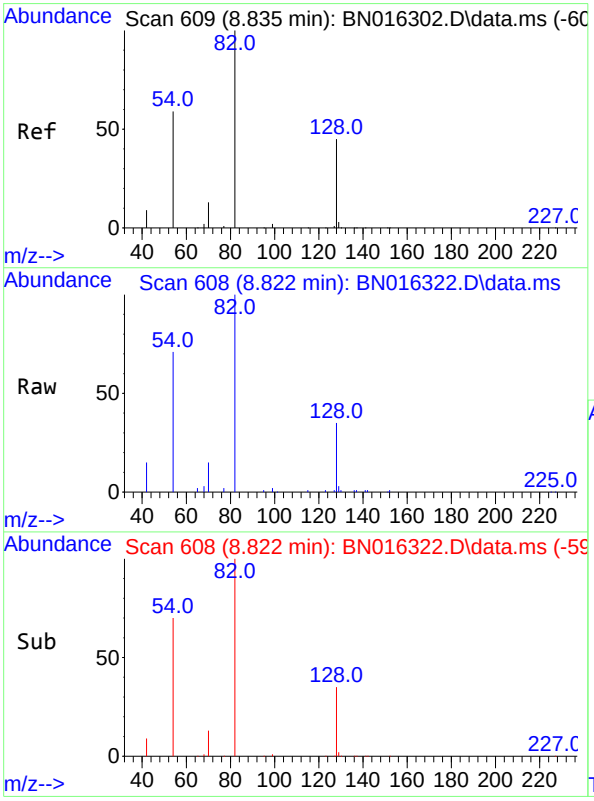


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.457 min Scan# 737
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:136 Resp: 112631

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.7	5.3	7.9
68	4.4	3.9	5.9

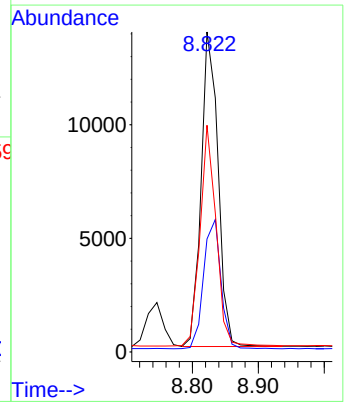




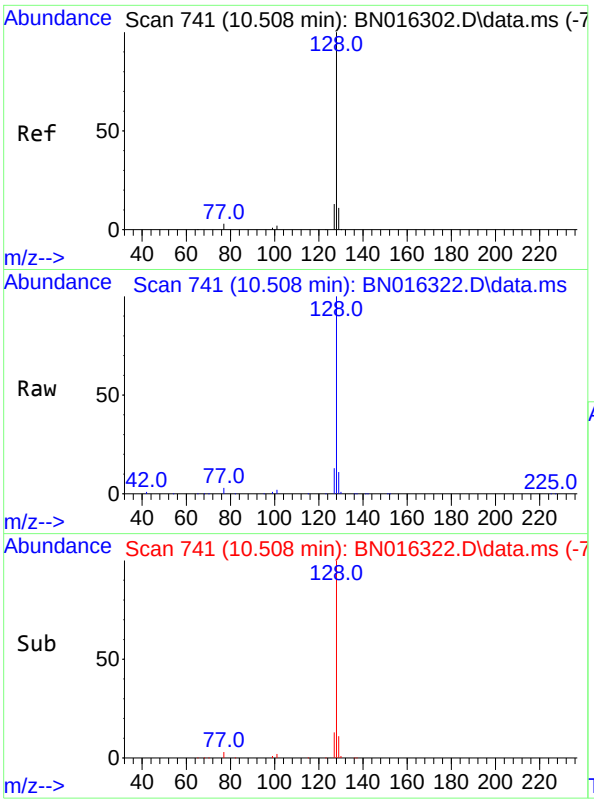
#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.822 min Scan# 608
Delta R.T. -0.013 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion: 82 Resp: 24715

Ion	Ratio	Lower	Upper
82	100		
128	35.3	31.7	47.5
54	70.8	46.4	69.6#



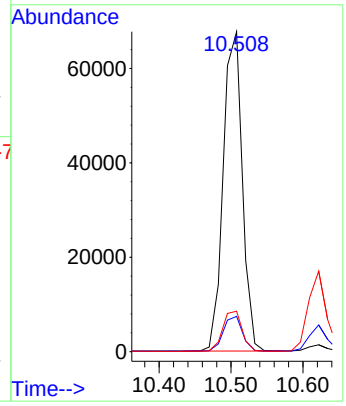
Instrument :
BNA_N
ClientSampleId :
PB139136BS

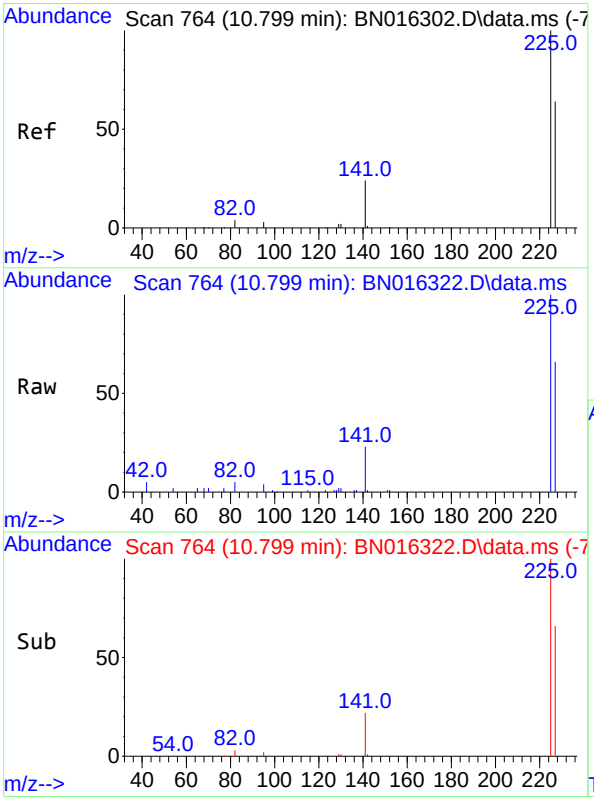


#9
Naphthalene
Concen: 0.411 ng
RT: 10.508 min Scan# 741
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:128 Resp: 124816

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	12.7	10.1	15.1

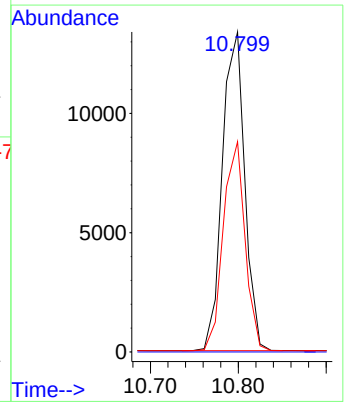




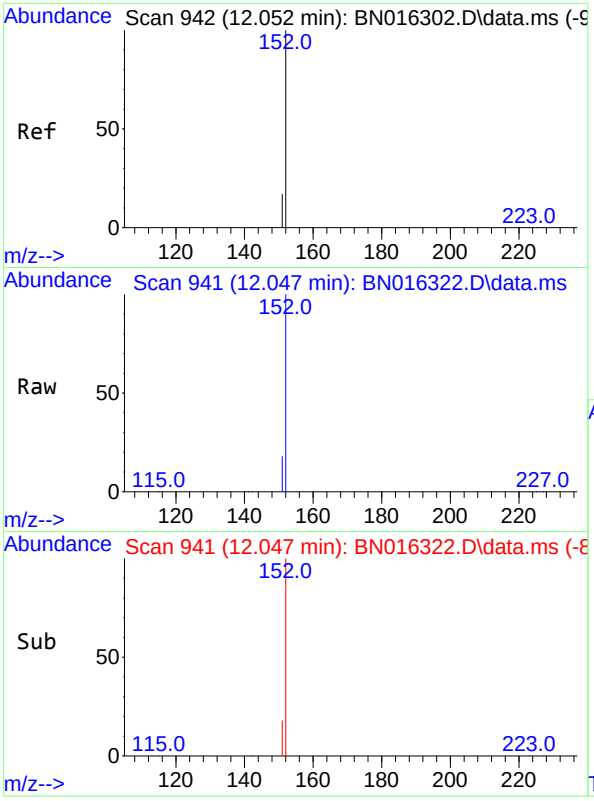
#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 10.799 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:225 Resp: 23637

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.5	77.3



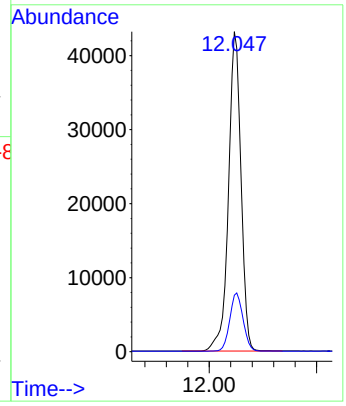
Instrument :
BNA_N
ClientSampleId :
PB139136BS

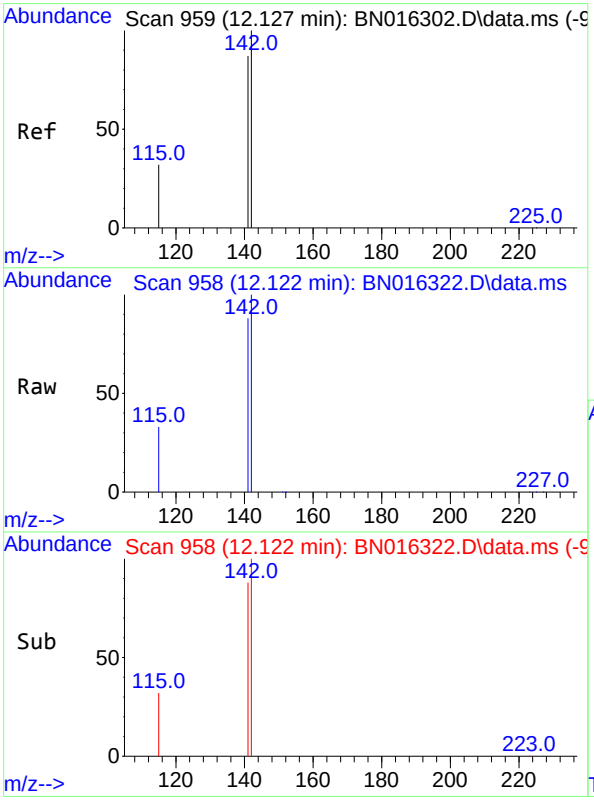


#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 12.047 min Scan# 941
Delta R.T. -0.005 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:152 Resp: 69922

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.1	24.1

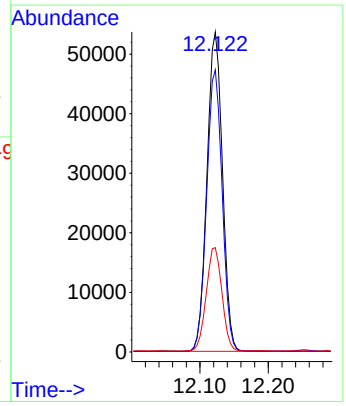




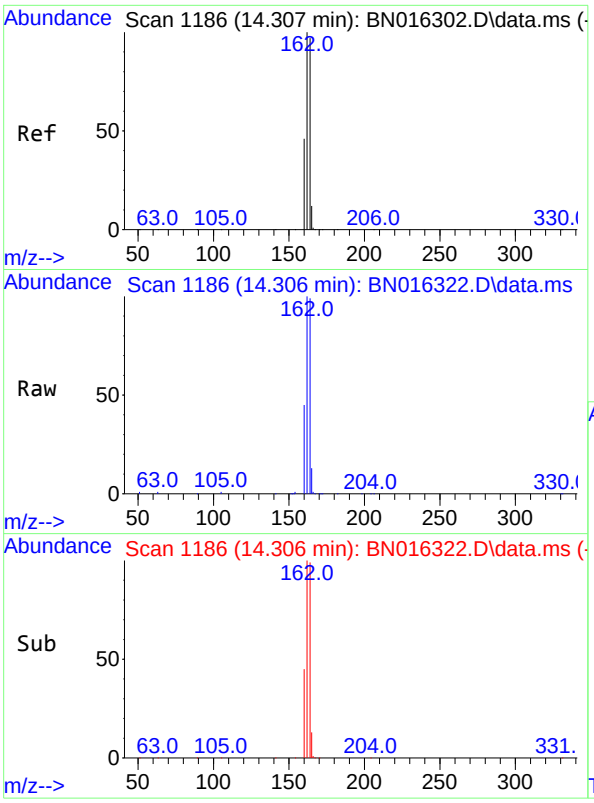
#12
2-Methylnaphthalene
Concen: 0.420 ng
RT: 12.122 min Scan# 958
Delta R.T. -0.005 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:142 Resp: 84551

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.8	104.8
115	32.6	24.4	36.6



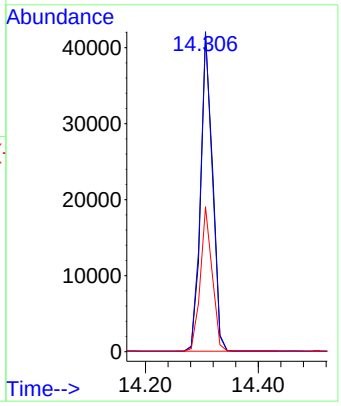
Instrument :
BNA_N
ClientSampleId :
PB139136BS

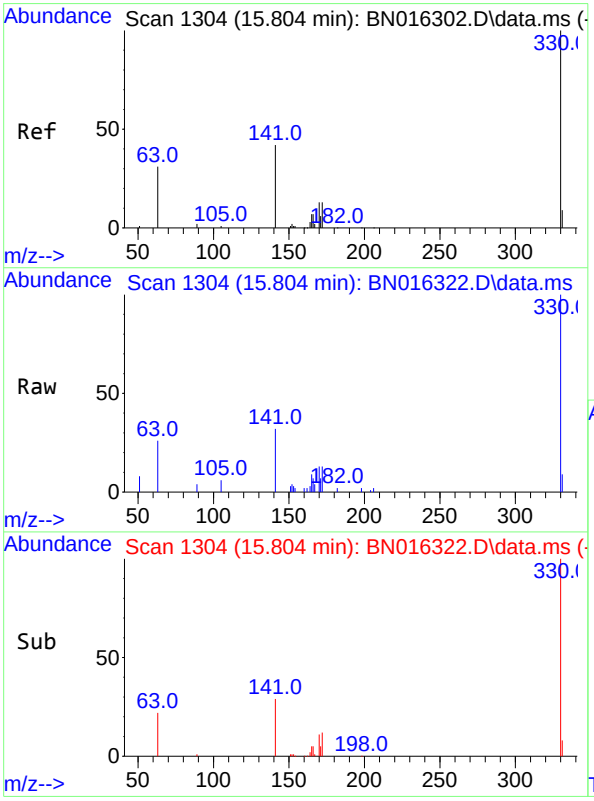


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.306 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:164 Resp: 60921

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.0	118.4
160	45.8	34.1	51.1

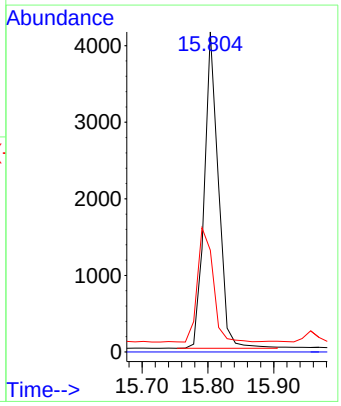




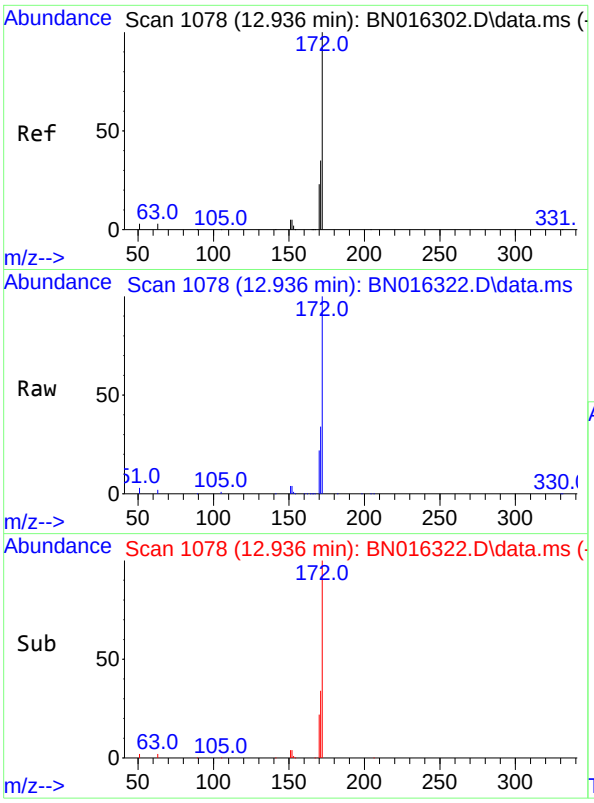
#14
2,4,6-Tribromophenol
Concen: 0.344 ng
RT: 15.804 min Scan# 1304
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:330 Resp: 6149

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.2	25.0	37.4#



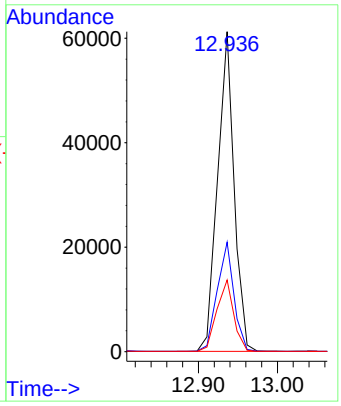
Instrument :
BNA_N
ClientSampleId :
PB139136BS

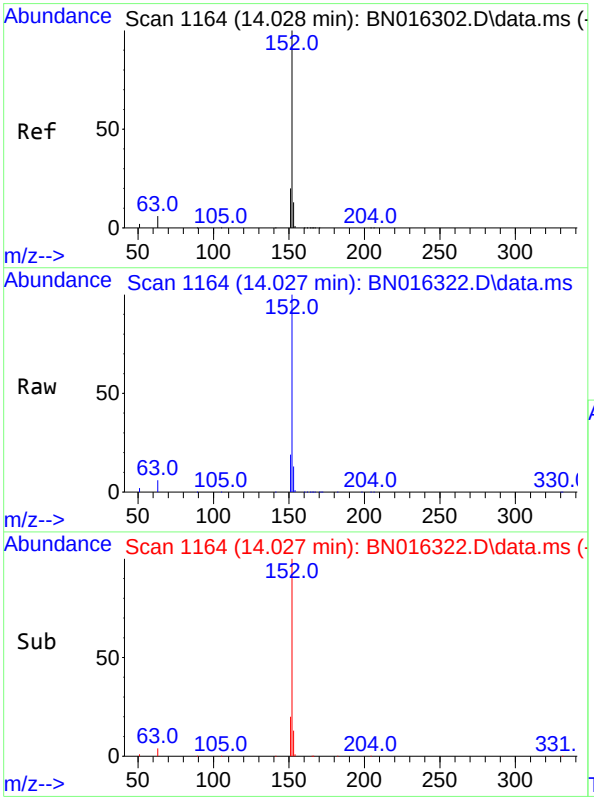


#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 12.936 min Scan# 1078
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:172 Resp: 88893

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	22.4	18.2	27.2

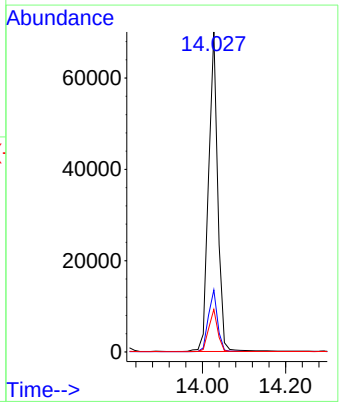




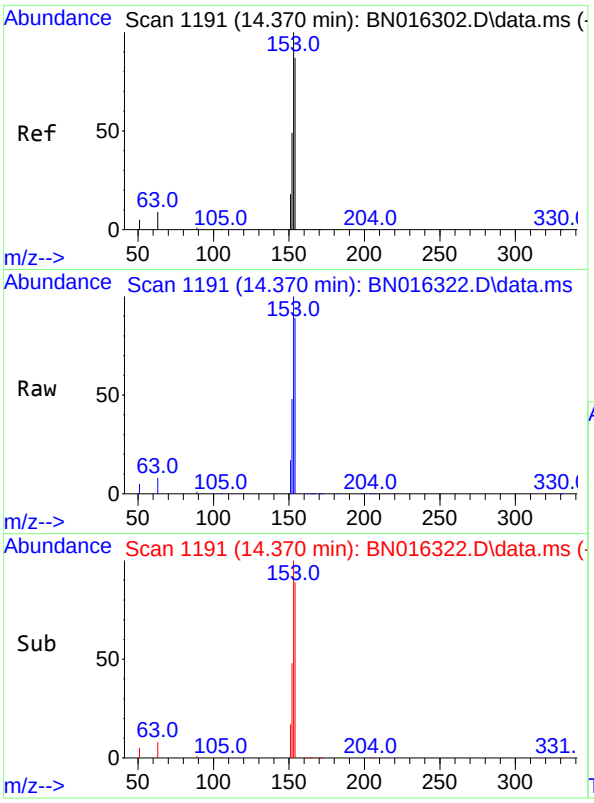
#16
Acenaphthylene
Concen: 0.378 ng
RT: 14.027 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:152 Resp: 107151

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.2	22.8
153	13.1	10.5	15.7



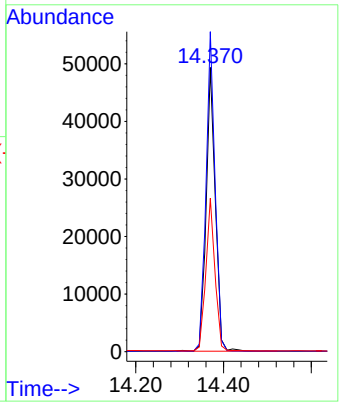
Instrument :
BNA_N
ClientSampleId :
PB139136BS

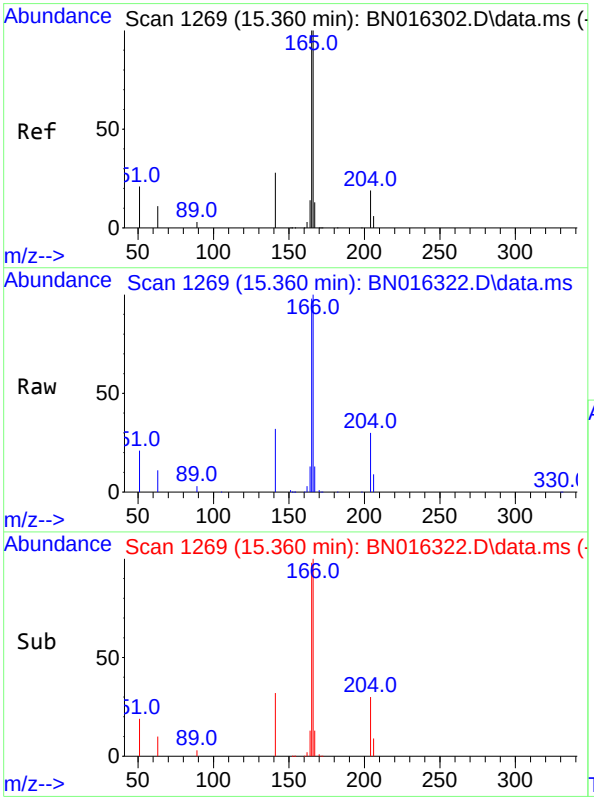


#17
Acenaphthene
Concen: 0.406 ng
RT: 14.370 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:154 Resp: 71431

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	53.5	42.2	63.4

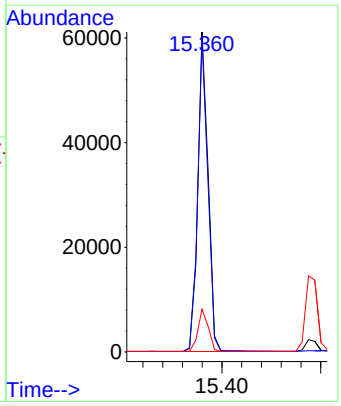




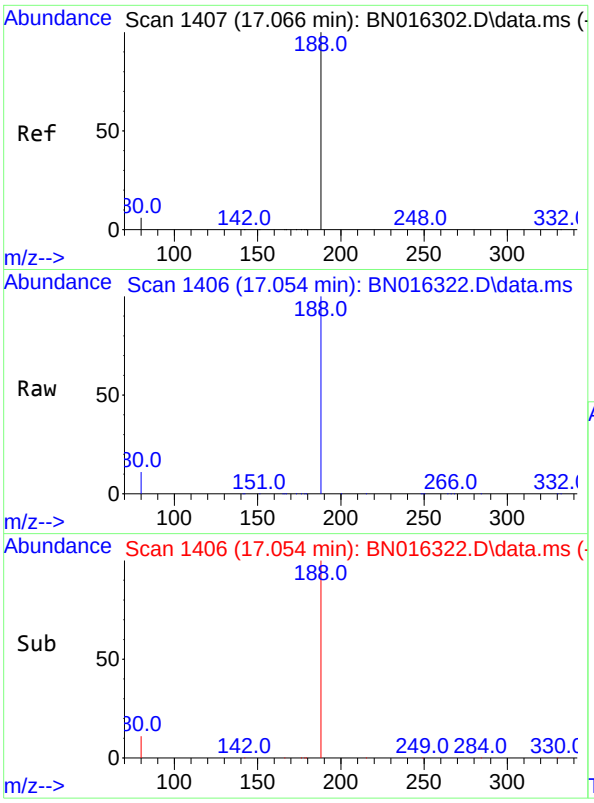
#18
Fluorene
Concen: 0.404 ng
RT: 15.360 min Scan# 1269
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:166 Resp: 88041

Ion	Ratio	Lower	Upper
166	100		
165	97.1	76.7	115.1
167	13.5	10.9	16.3



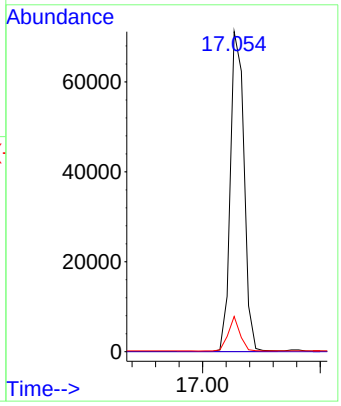
Instrument :
BNA_N
ClientSampleId :
PB139136BS

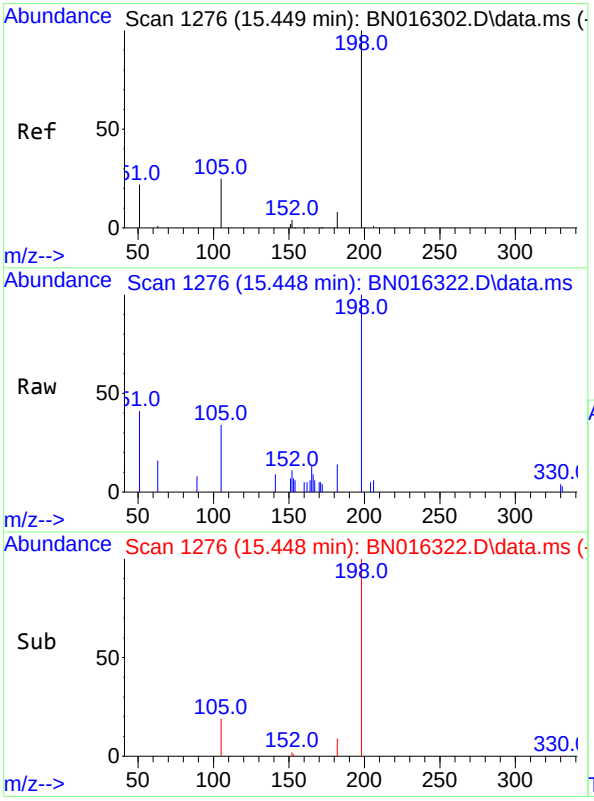


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.054 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:188 Resp: 114992

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	7.0	10.6#

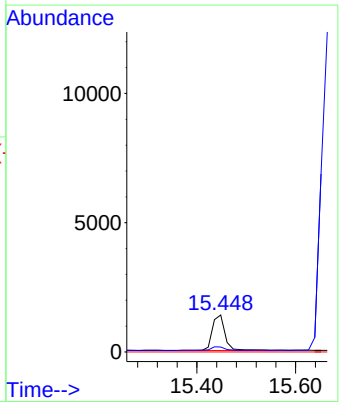




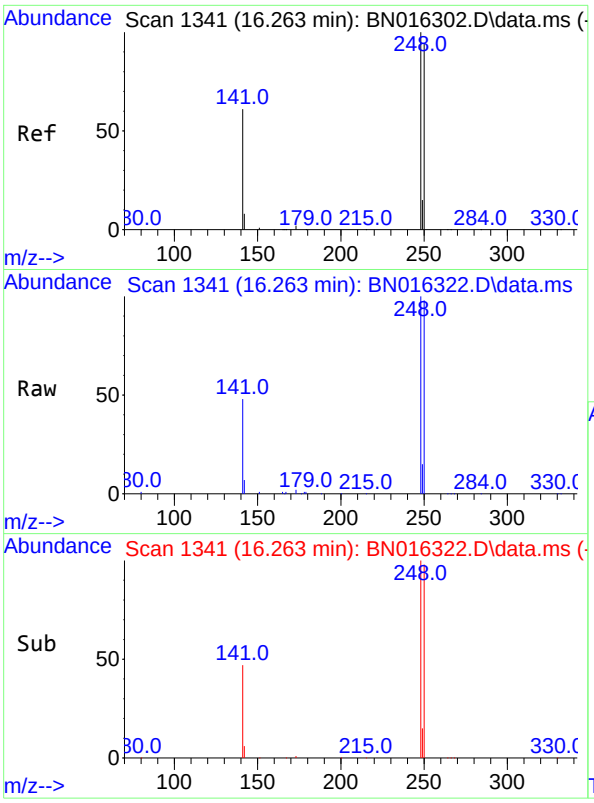
#20
4,6-Dinitro-2-methylphenol
Concen: 0.542 ng
RT: 15.448 min Scan# 1276
Delta R.T. -0.001 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:198 Resp: 2428

Ion	Ratio	Lower	Upper
198	100		
182	13.7	26.6	39.8#
77	0.0	0.0	0.0



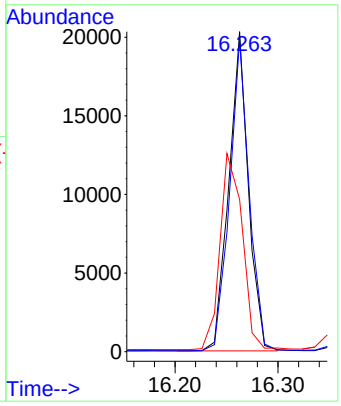
Instrument :
BNA_N
ClientSampleId :
PB139136BS

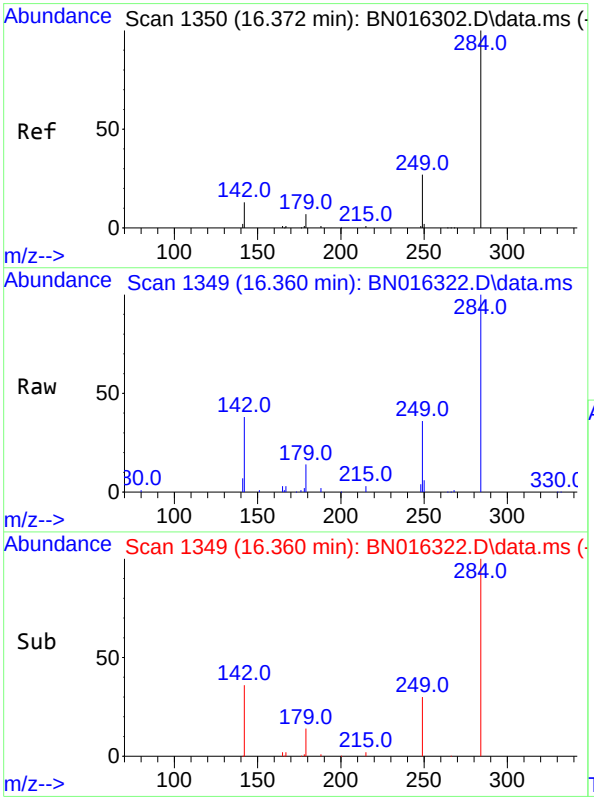


#21
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.263 min Scan# 1341
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:248 Resp: 26716

Ion	Ratio	Lower	Upper
248	100		
250	97.8	80.5	120.7
141	47.6	34.8	52.2

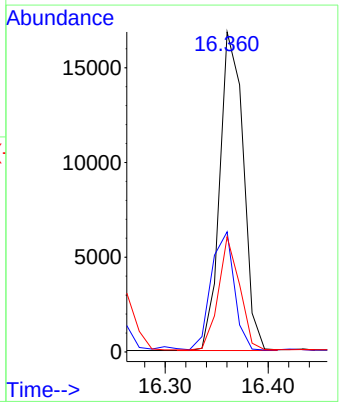




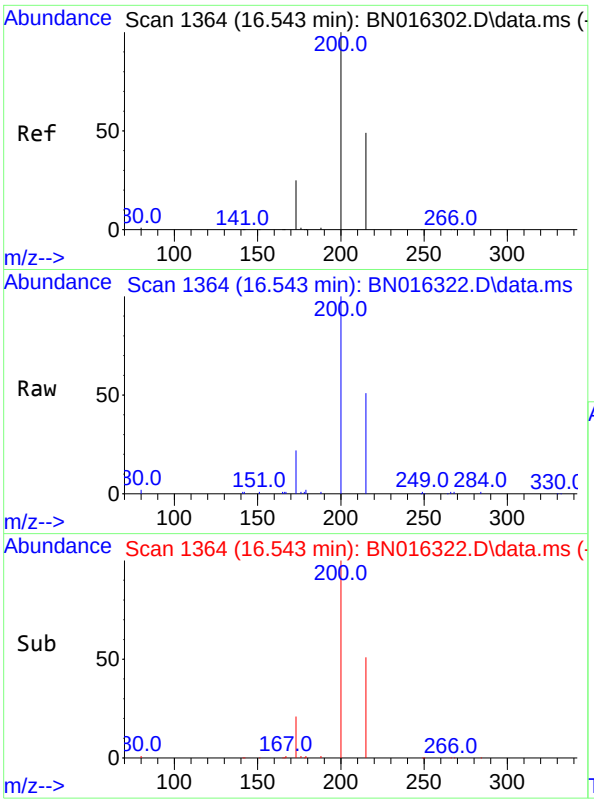
#22
Hexachlorobenzene
Concen: 0.421 ng
RT: 16.360 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:284 Resp: 26732

Ion	Ratio	Lower	Upper
284	100		
142	36.5	22.6	34.0#
249	31.9	24.4	36.6



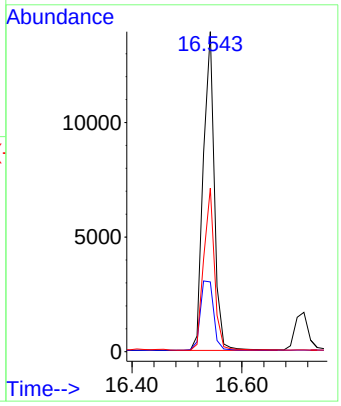
Instrument :
BNA_N
ClientSampleId :
PB139136BS

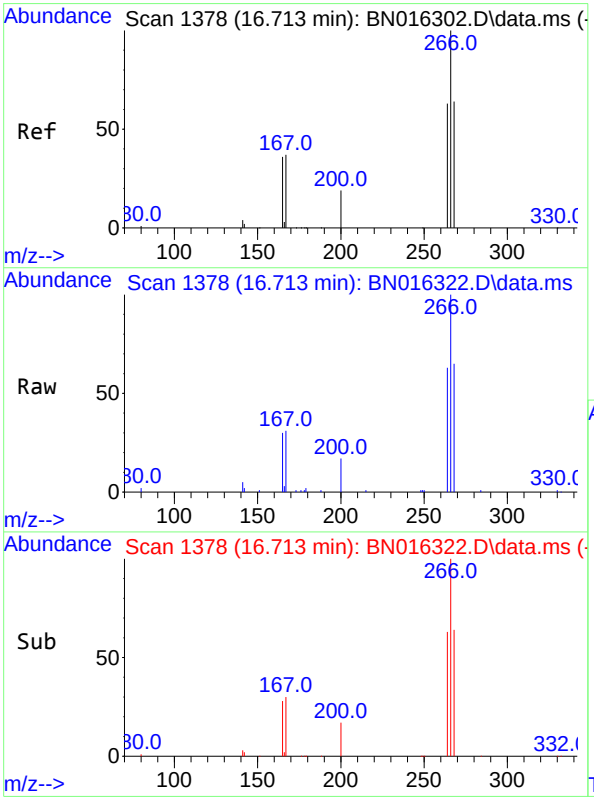


#23
Atrazine
Concen: 0.316 ng
RT: 16.543 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:200 Resp: 19451

Ion	Ratio	Lower	Upper
200	100		
173	21.8	18.7	28.1
215	51.1	41.6	62.4

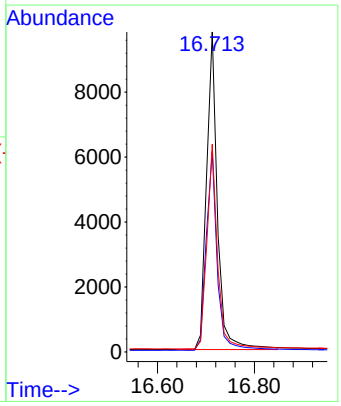




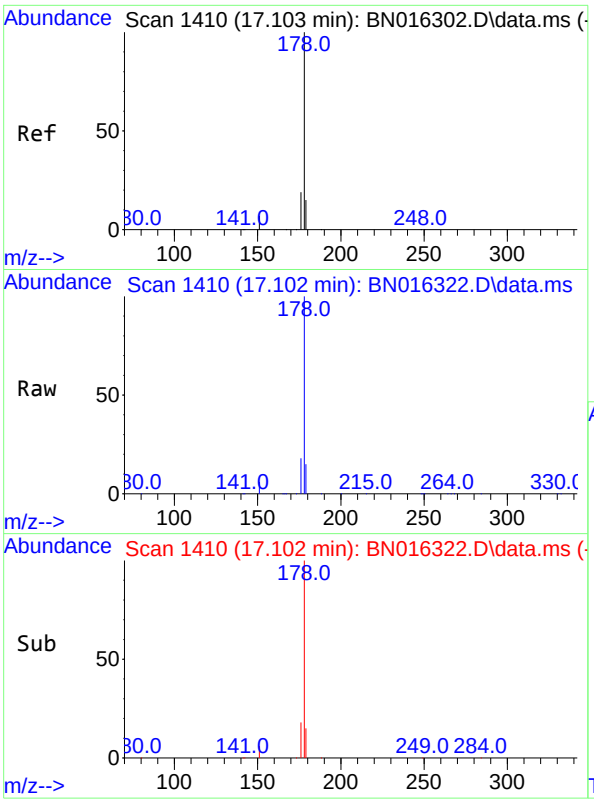
#24
Pentachlorophenol
Concen: 0.718 ng
RT: 16.713 min Scan# 1378
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:266 Resp: 15365

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.6	75.8
268	63.6	52.6	79.0



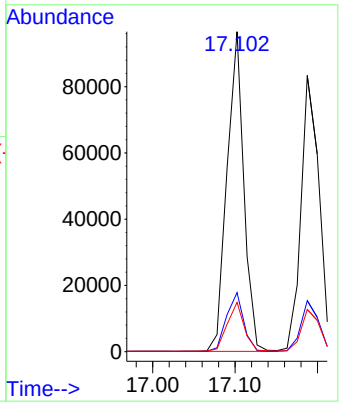
Instrument :
BNA_N
ClientSampleId :
PB139136BS

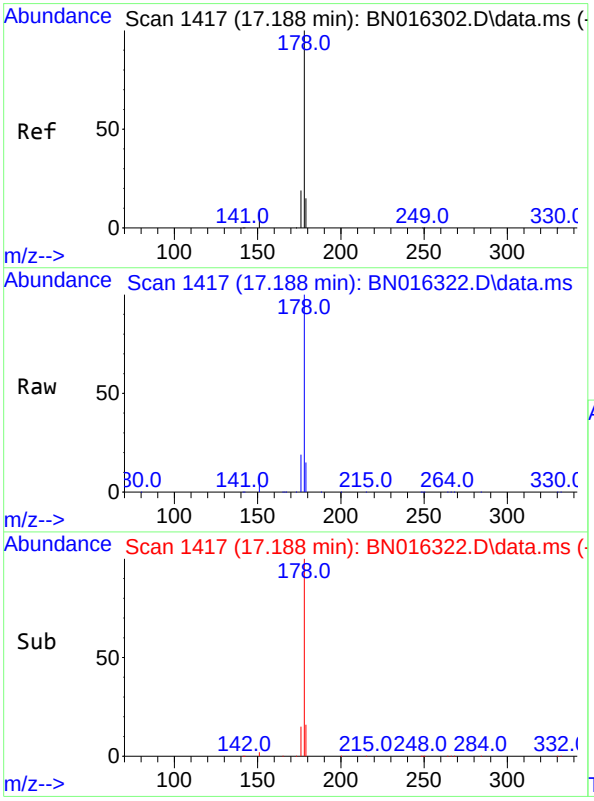


#25
Phenanthrene
Concen: 0.423 ng
RT: 17.102 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:178 Resp: 137321

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.4	21.6
179	15.3	12.2	18.4

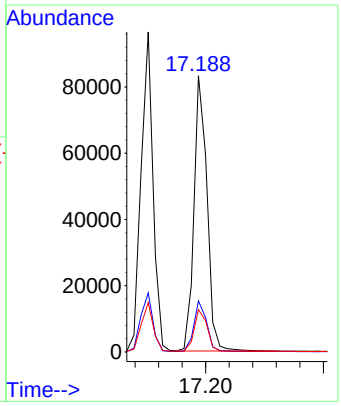




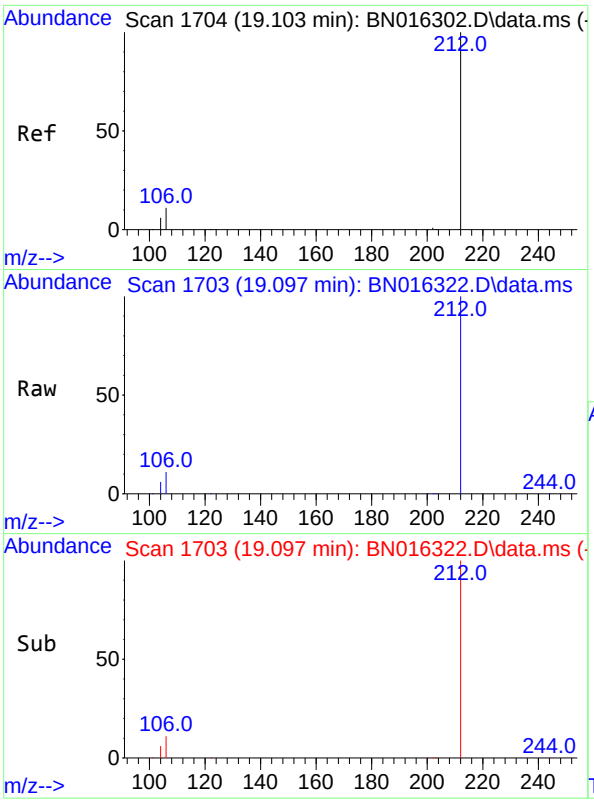
#26
Anthracene
Concen: 0.406 ng
RT: 17.188 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:178 Resp: 127891

Ion	Ratio	Lower	Upper
178	100		
176	18.1	13.9	20.9
179	15.3	12.2	18.4



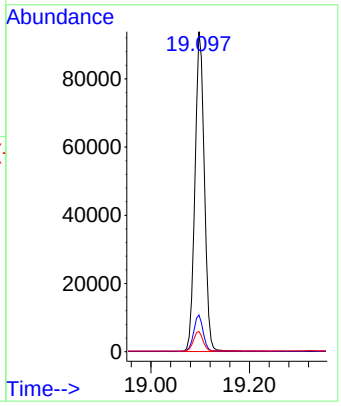
Instrument :
BNA_N
ClientSampleId :
PB139136BS

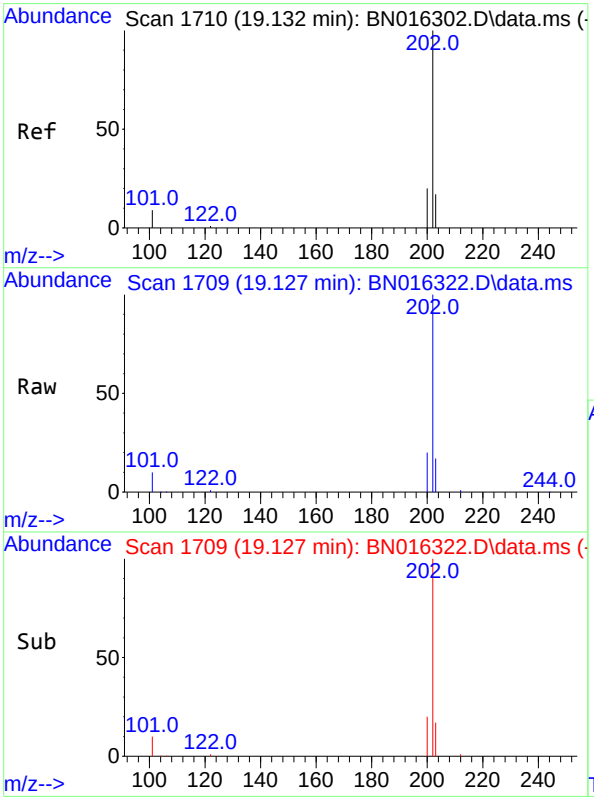


#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.097 min Scan# 1703
Delta R.T. -0.005 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:212 Resp: 124109

Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.8	14.6
104	6.2	5.4	8.2

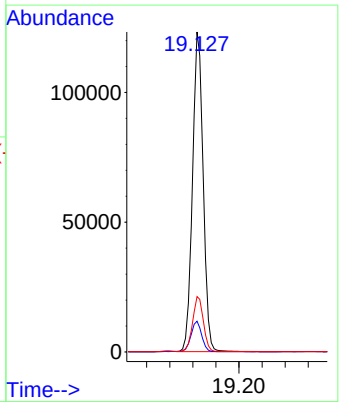




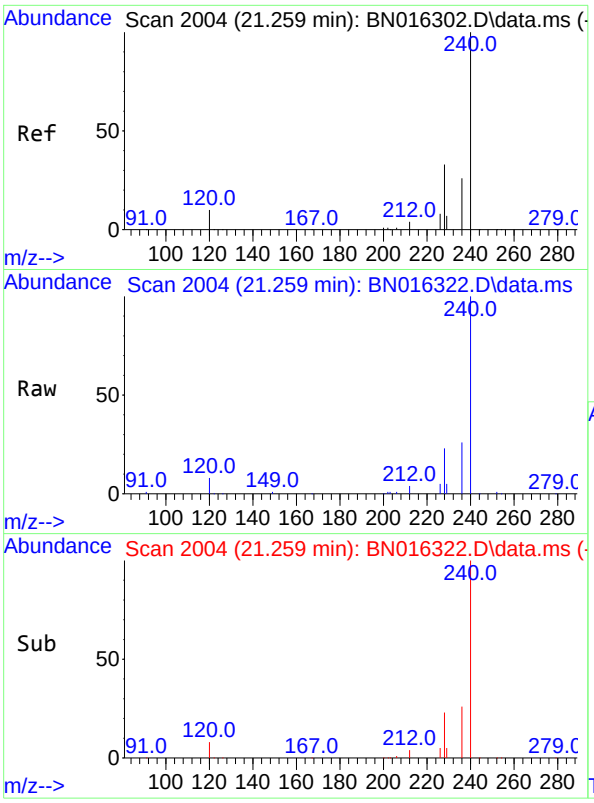
#28
Fluoranthene
Concen: 0.424 ng
RT: 19.127 min Scan# 1709
Delta R.T. -0.005 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:202 Resp: 158699

Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.5	12.7
203	17.3	13.8	20.8



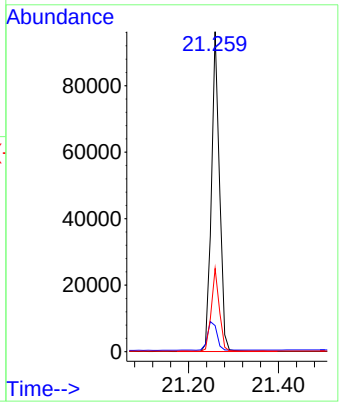
Instrument :
BNA_N
ClientSampleId :
PB139136BS

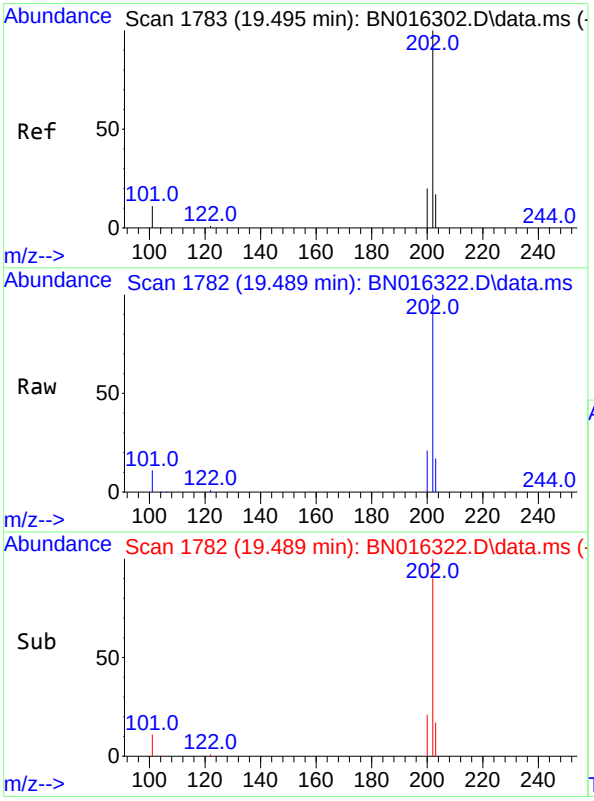


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:240 Resp: 118991

Ion	Ratio	Lower	Upper
240	100		
120	8.2	5.3	7.9#
236	26.0	19.8	29.8

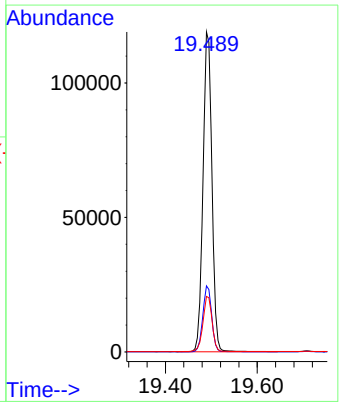




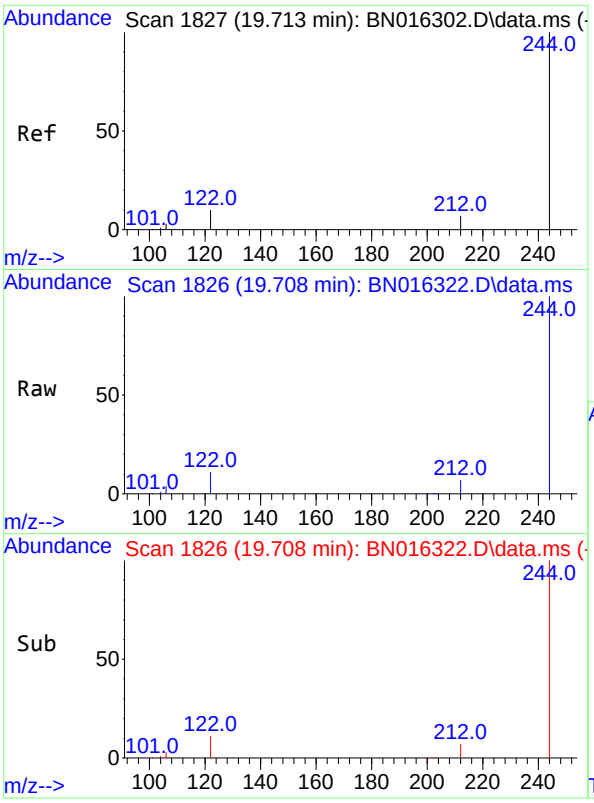
#30
Pyrene
Concen: 0.425 ng
RT: 19.489 min Scan# 1782
Delta R.T. -0.005 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:202 Resp: 159900

Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.8	23.6
203	17.7	13.9	20.9



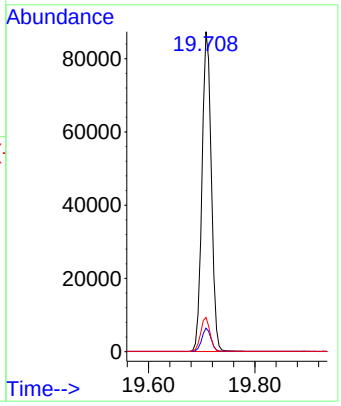
Instrument :
BNA_N
ClientSampleId :
PB139136BS

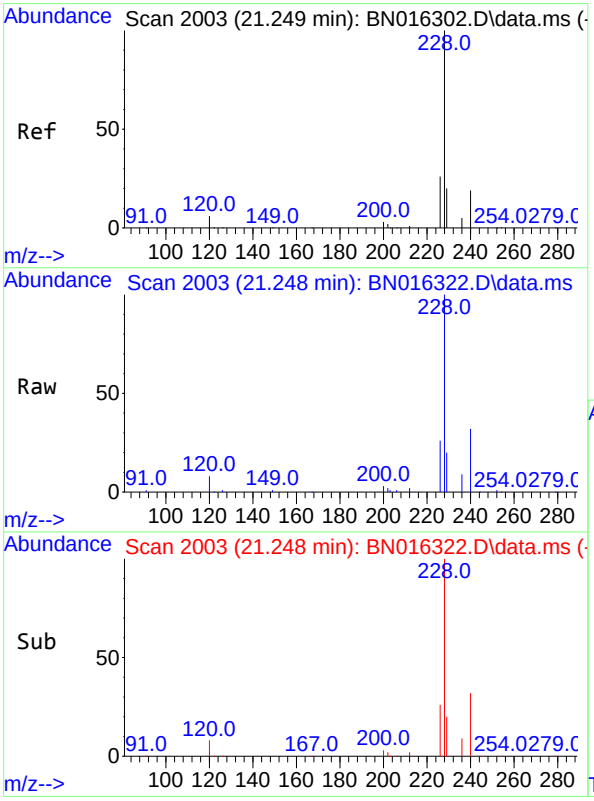


#31
Terphenyl-d14
Concen: 0.384 ng
RT: 19.708 min Scan# 1826
Delta R.T. -0.005 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:244 Resp: 105934

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	10.7	9.0	13.4

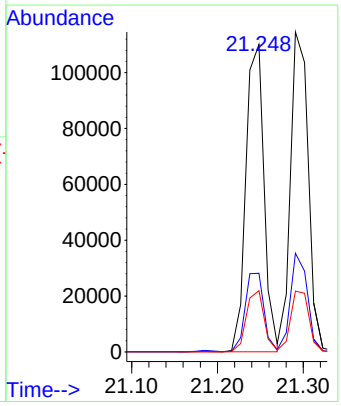




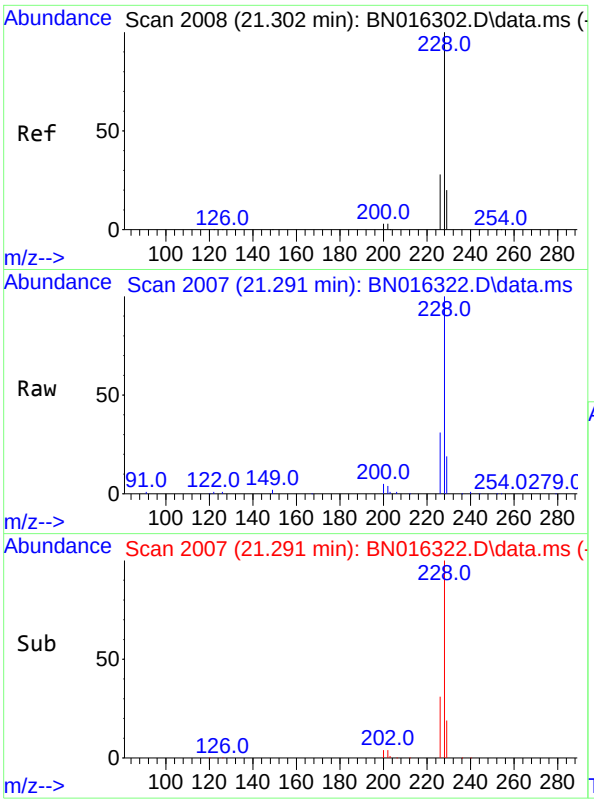
#32
Benzo(a)anthracene
Concen: 0.422 ng
RT: 21.248 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:228 Resp: 161505

Ion	Ratio	Lower	Upper
228	100		
226	25.6	20.8	31.2
229	19.9	15.8	23.6



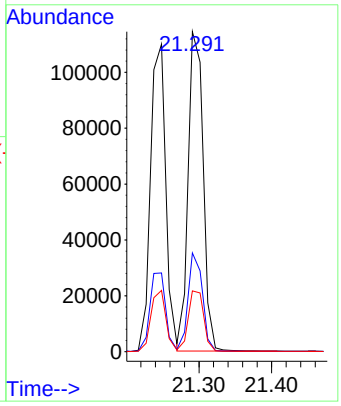
Instrument :
BNA_N
ClientSampleId :
PB139136BS

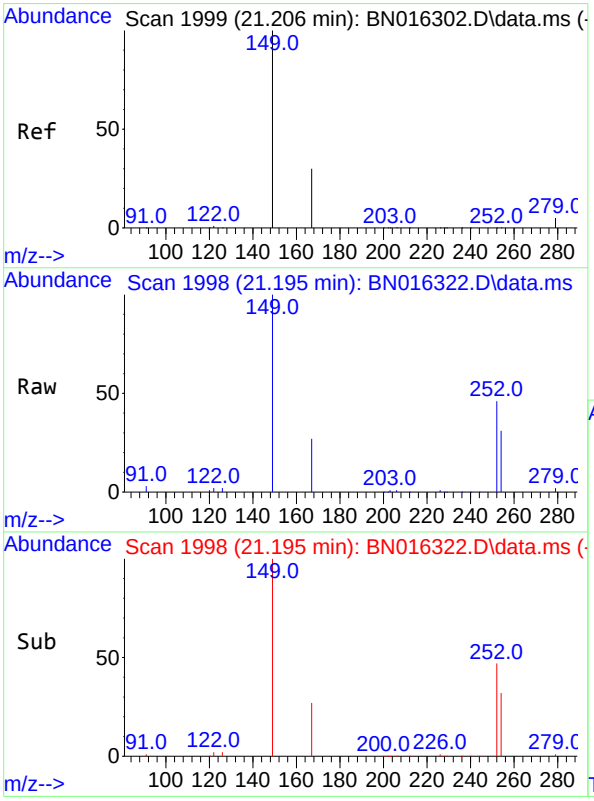


#33
Chrysene
Concen: 0.444 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.011 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:228 Resp: 164200

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.0	34.4
229	19.0	15.6	23.4

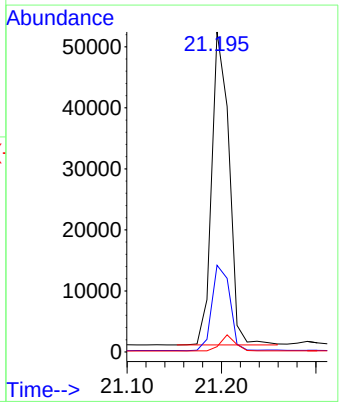




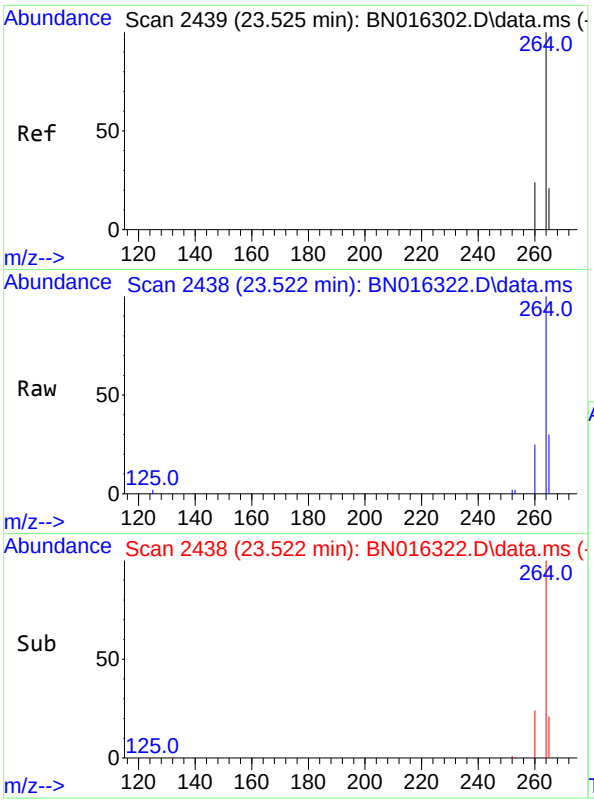
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.317 ng
RT: 21.195 min Scan# 1998
Delta R.T. -0.011 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:149 Resp: 65449

Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.4	35.0
279	4.5	3.9	5.9



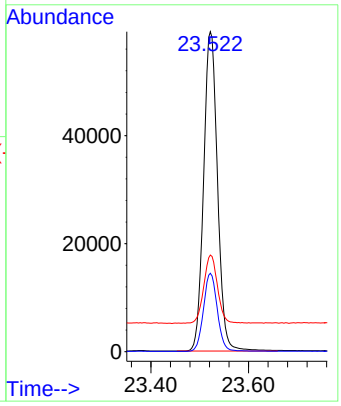
Instrument :
BNA_N
ClientSampleId :
PB139136BS

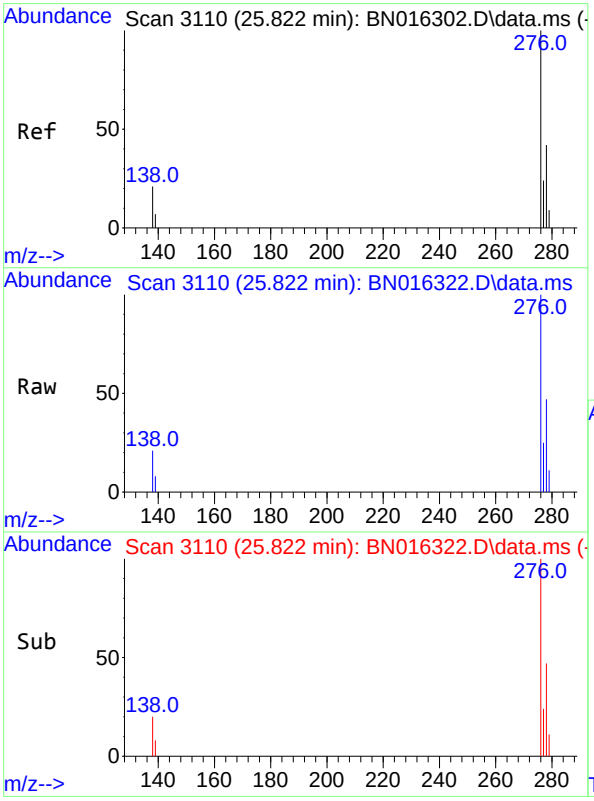


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2438
Delta R.T. -0.004 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:264 Resp: 116882

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.9	28.3
265	30.2	23.7	35.5

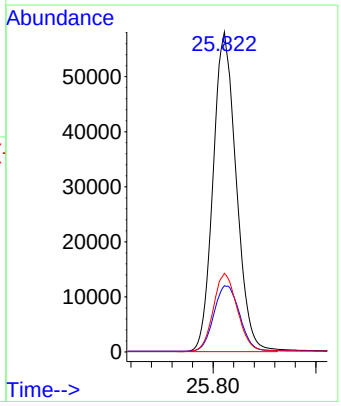




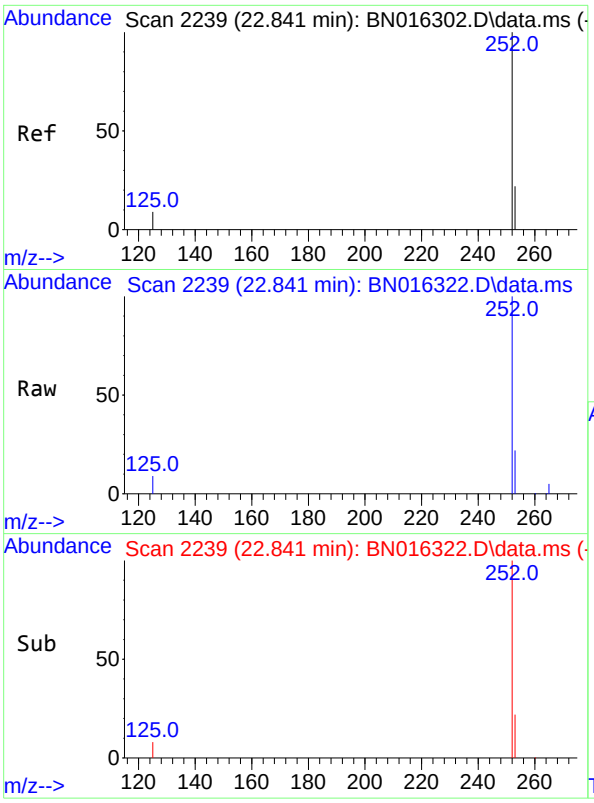
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.480 ng
RT: 25.822 min Scan# 3110
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:276 Resp: 181246

Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.3	28.9
277	25.1	20.2	30.2



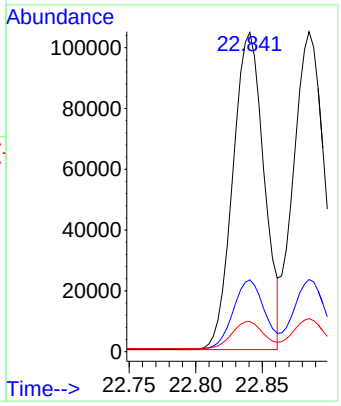
Instrument :
BNA_N
ClientSampleId :
PB139136BS

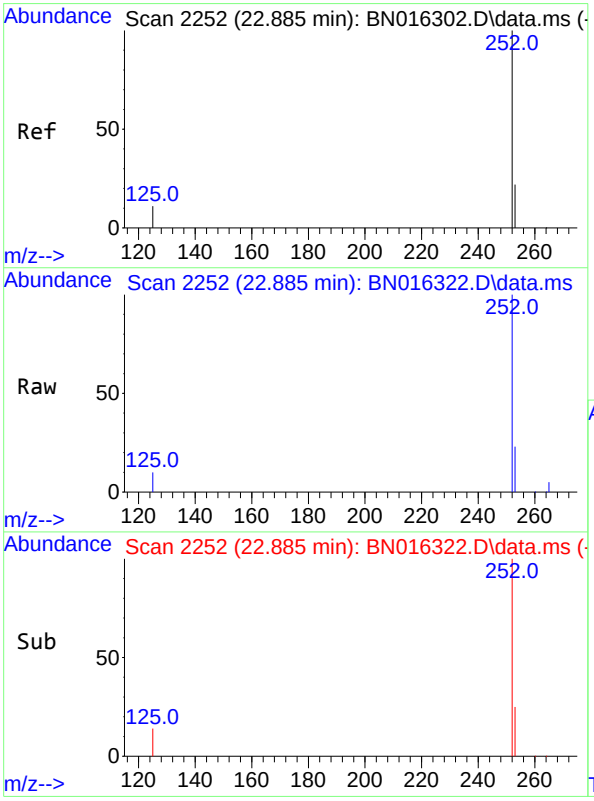


#37
Benzo(b)fluoranthene
Concen: 0.457 ng
RT: 22.841 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:252 Resp: 169676

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	9.4	8.4	12.6

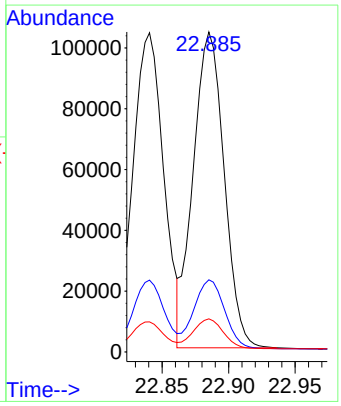




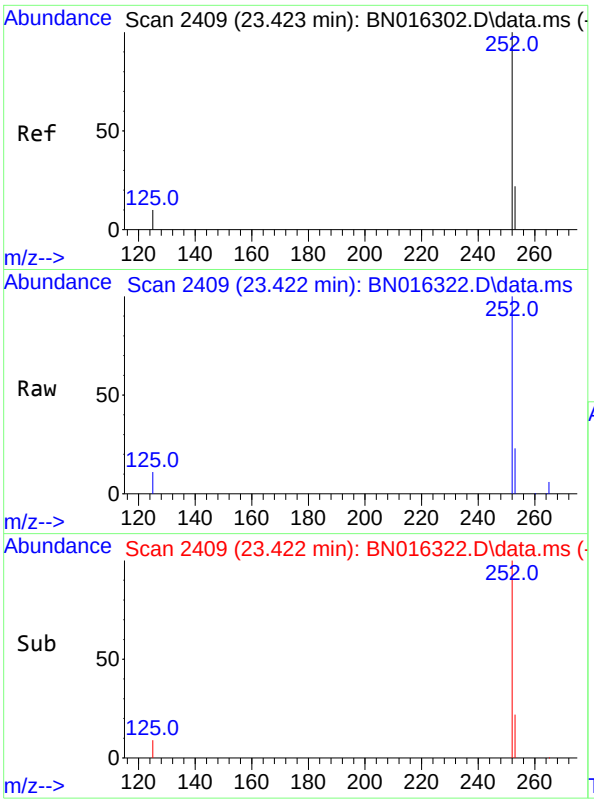
#38
Benzo(k)fluoranthene
Concen: 0.469 ng
RT: 22.885 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:252 Resp: 167680

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	10.4	8.2	12.4



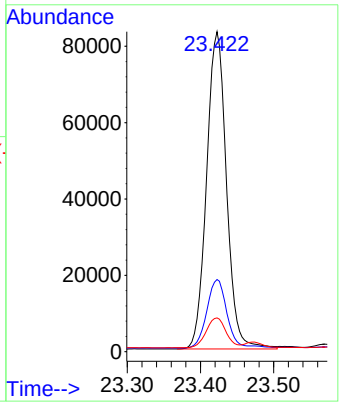
Instrument :
BNA_N
ClientSampleId :
PB139136BS

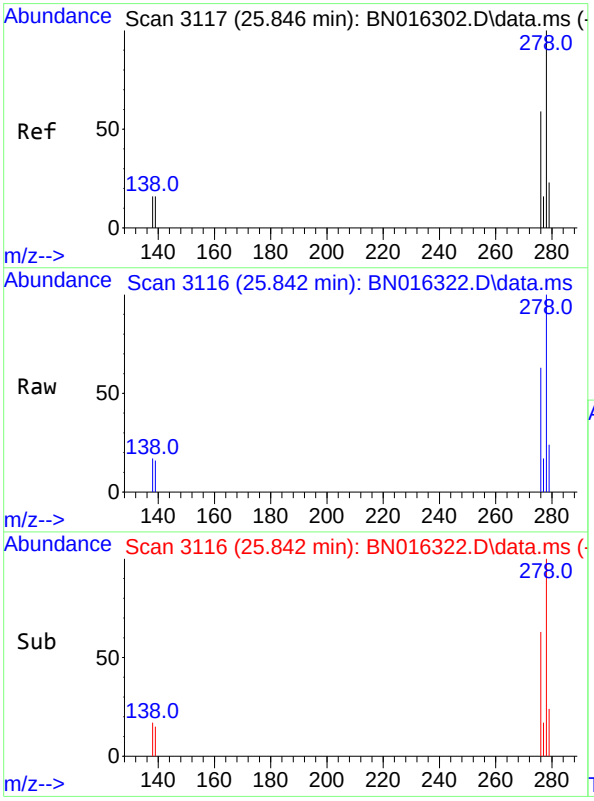


#39
Benzo(a)pyrene
Concen: 0.469 ng
RT: 23.422 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:252 Resp: 157334

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	10.6	9.9	14.9

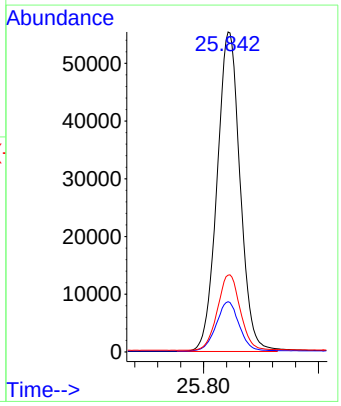


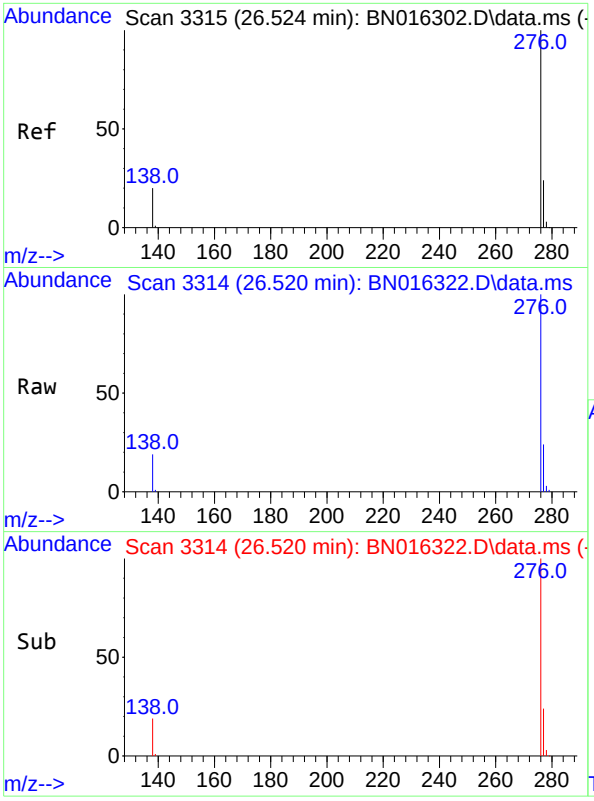


#40
Dibenzo(a,h)anthracene
Concen: 0.480 ng
RT: 25.842 min Scan# 3116
Delta R.T. -0.004 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:278 Resp: 153946

Ion	Ratio	Lower	Upper
278	100		
139	15.7	14.2	21.2
279	24.0	21.3	31.9

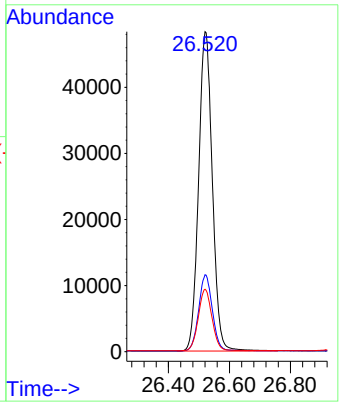




#41
Benzo(g,h,i)perylene
Concen: 0.474 ng
RT: 26.520 min Scan# 3314
Delta R.T. -0.004 min
Lab File: BN016322.D
Acq: 18 Sep 2021 07:20

Tgt Ion:276 Resp: 151042

Ion	Ratio	Lower	Upper
276	100		
277	24.1	20.5	30.7
138	19.5	18.2	27.4



Instrument :
BNA_N
ClientSampleId :
PB139136BS

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091721\
Data File : BN016322.D
Acq On : 18 Sep 2021 07:20
Operator : CG/JU
Sample : PB139136BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB139136BS

Quant Time: Sep 18 08:11:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 17 23:59:14 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.688	152	24597	0.400	ng	0.00
7) Naphthalene-d8	10.457	136	112631	0.400	ng	0.00
13) Acenaphthene-d10	14.306	164	60921	0.400	ng	0.00
19) Phenanthrene-d10	17.054	188	114992	0.400	ng	#-0.01
29) Chrysene-d12	21.259	240	118991	0.400	ng	# 0.00
35) Perylene-d12	23.522	264	116882	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.337	112	23197	0.376	ng	0.04
5) Phenol-d6	6.877	99	26410	0.353	ng	0.00
8) Nitrobenzene-d5	8.822	82	24715	0.369	ng	-0.01
11) 2-Methylnaphthalene-d10	12.047	152	69922	0.394	ng	0.00
14) 2,4,6-Tribromophenol	15.804	330	6149	0.344	ng	0.00
15) 2-Fluorobiphenyl	12.936	172	88893	0.373	ng	0.00
27) Fluoranthene-d10	19.097	212	124109	0.373	ng	0.00
31) Terphenyl-d14	19.708	244	105934	0.384	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.327	88	6362	0.622	ng	# 85
3) n-Nitrosodimethylamine	3.631	42	10358	0.443	ng	# 75
6) bis(2-Chloroethyl)ether	7.126	93	29907	0.449	ng	94
9) Naphthalene	10.508	128	124816	0.411	ng	100
10) Hexachlorobutadiene	10.799	225	23637	0.410	ng	# 99
12) 2-Methylnaphthalene	12.122	142	84551	0.420	ng	98
16) Acenaphthylene	14.027	152	107151	0.378	ng	100
17) Acenaphthene	14.370	154	71431	0.406	ng	99
18) Fluorene	15.360	166	88041	0.404	ng	99
20) 4,6-Dinitro-2-methylph...	15.448	198	2428	0.542	ng	# 66
21) 4-Bromophenyl-phenylether	16.263	248	26716	0.397	ng	96
22) Hexachlorobenzene	16.360	284	26732	0.421	ng	# 91
23) Atrazine	16.543	200	19451	0.316	ng	98
24) Pentachlorophenol	16.713	266	15365	0.718	ng	98
25) Phenanthrene	17.102	178	137321	0.423	ng	99
26) Anthracene	17.188	178	127891	0.406	ng	99
28) Fluoranthene	19.127	202	158699	0.424	ng	99
30) Pyrene	19.489	202	159900	0.425	ng	99
32) Benzo(a)anthracene	21.248	228	161505	0.422	ng	99
33) Chrysene	21.291	228	164200	0.444	ng	97
34) Bis(2-ethylhexyl)phtha...	21.195	149	65449	0.317	ng	98
36) Indeno(1,2,3-cd)pyrene	25.822	276	181246	0.480	ng	99
37) Benzo(b)fluoranthene	22.841	252	169676	0.457	ng	99
38) Benzo(k)fluoranthene	22.885	252	167680	0.469	ng	100
39) Benzo(a)pyrene	23.422	252	157334	0.469	ng	97
40) Dibenzo(a,h)anthracene	25.842	278	153946	0.480	ng	95
41) Benzo(g,h,i)perylene	26.520	276	151042	0.474	ng	95

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