Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060321\
Data File : BN014834.D
Acq On : 03 Jun 2021 20:06
Operator : CG/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : ICVBN060321

Quant Time: Jun 04 05:28:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 04 05:24:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.709	152	310	0.400	ng		0.00
7) Naphthalene-d8	10.483	136	1131	0.400	ng		# 0.00
13) Acenaphthene-d10	14.345	164	795	0.400	ng		0.00
19) Phenanthrene-d10	17.103	188	1775	0.400	ng		# 0.00
29) Chrysene-d12	21.302	240	2284	0.400	ng		# 0.00
35) Perylene-d12	23.556	264	2315	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.308	112	226	0.365	ng		0.00
5) Phenol-d6	6.889	99	293	0.363	ng		0.00
8) Nitrobenzene-d5	8.860	82	326	0.364	ng		0.00
11) 2-Methylnaphthalene-d10	12.087	152	747	0.364	ng		0.00
14) 2,4,6-Tribromophenol	15.854	330	126	0.345	ng		0.00
15) 2-Fluorobiphenyl	12.974	172	1070	0.378	ng		0.00
27) Fluoranthene-d10	19.142	212	2245	0.357	ng		0.00
31) Terphenyl-d14	19.748	244	2080	0.376	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	159	0.376	ng	#	85
6) bis(2-Chloroethyl)ether	7.150	93	219	0.295	ng	#	70
9) Naphthalene	10.533	128	1184	0.380	ng		96
10) Hexachlorobutadiene	10.825	225	347	0.392	ng	#	100
12) 2-Methylnaphthalene	12.163	142	778	0.370	ng		97
16) Acenaphthylene	14.066	152	1001	0.353	ng		97
17) Acenaphthene	14.408	154	843	0.384	ng		97
18) Fluorene	15.410	166	1073	0.366	ng		99
20) 4,6-Dinitro-2-methylph...	15.512	198	19	0.387	ng		89
21) 4-Bromophenyl-phenylether	16.299	248	431	0.380	ng	#	89
22) Hexachlorobenzene	16.409	284	575	0.393	ng		99
23) Atrazine	16.567	200	238	0.363	ng	#	82
24) Pentachlorophenol	16.774	266	50	0.226	ng	#	89
25) Phenanthrene	17.139	178	1856	0.381	ng		98
26) Anthracene	17.236	178	1355	0.355	ng		99
28) Fluoranthene	19.172	202	2430	0.373	ng		99
30) Pyrene	19.534	202	2462	0.373	ng		97
32) Benzo(a)anthracene	21.291	228	2057	0.366	ng		95
33) Chrysene	21.333	228	2916	0.379	ng		96
34) Bis(2-ethylhexyl)phtha...	21.217	149	632	0.398	ng		90
36) Indeno(1,2,3-cd)pyrene	25.829	276	3666	0.387	ng	#	97
37) Benzo(b)fluoranthene	22.878	252	3127	0.377	ng	#	86
38) Benzo(k)fluoranthene	22.923	252	3307	0.351	ng	#	92
39) Benzo(a)pyrene	23.460	252	2832	0.393	ng	#	77
40) Dibenzo(a,h)anthracene	25.846	278	2944	0.377	ng	#	91
41) Benzo(g,h,i)perylene	26.517	276	3484	0.389	ng		96

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

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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 04 05:24:34 2021
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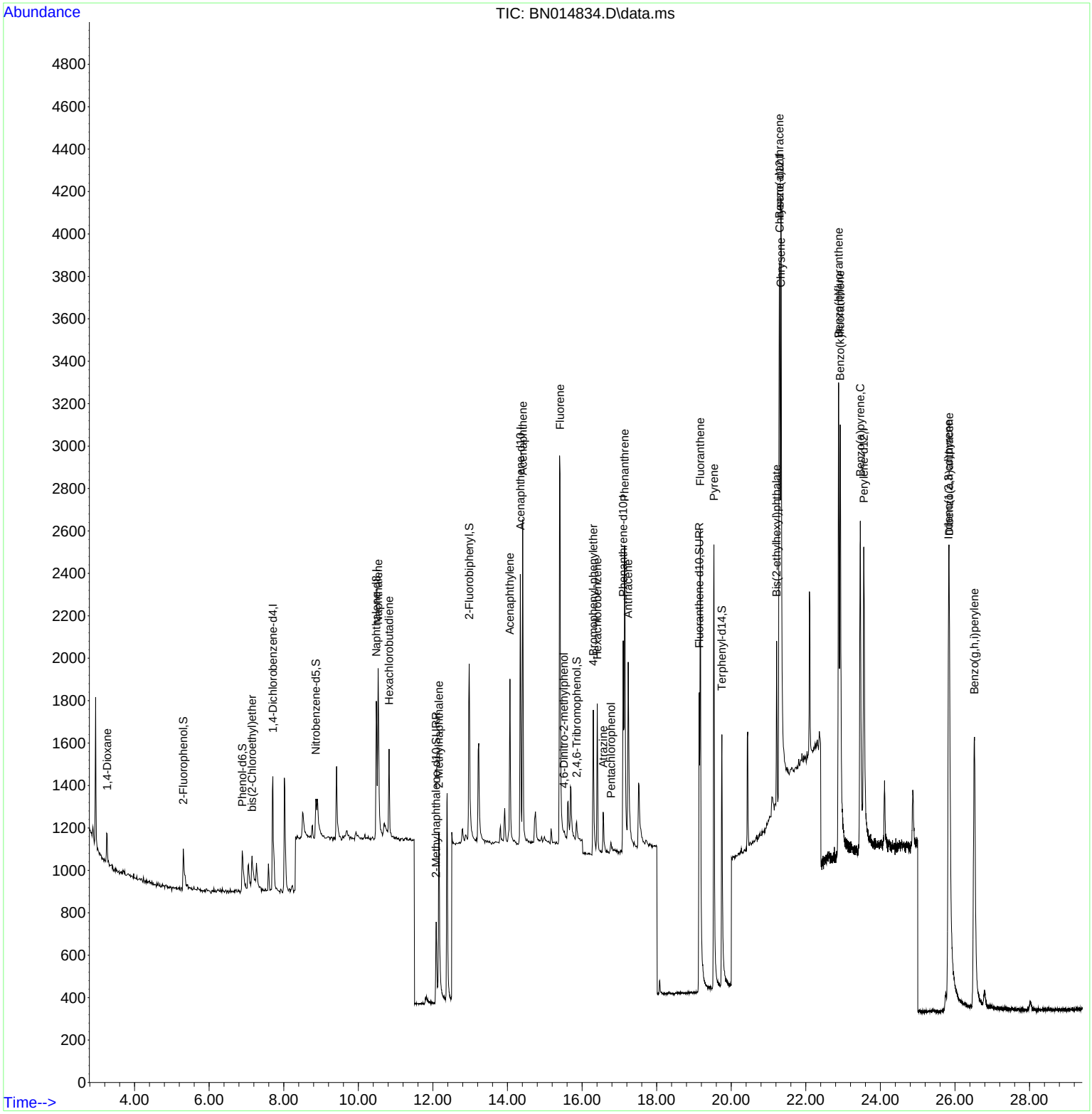

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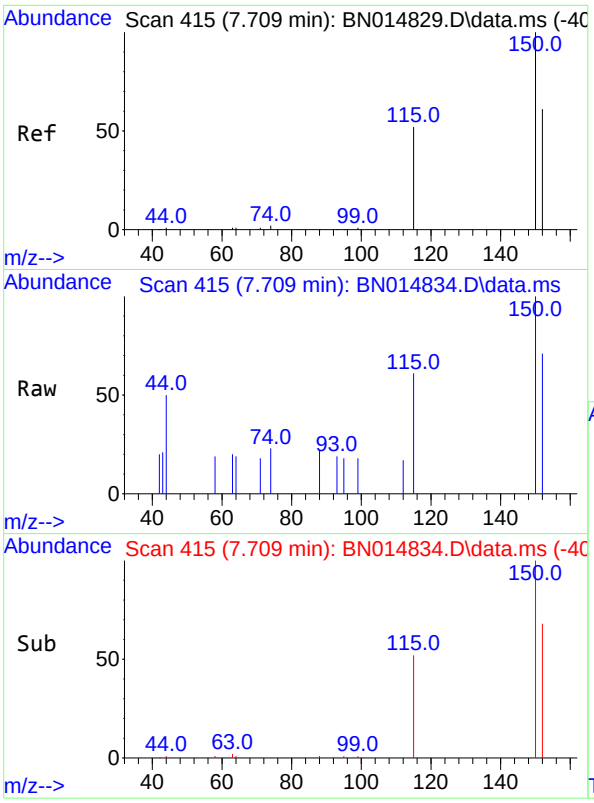
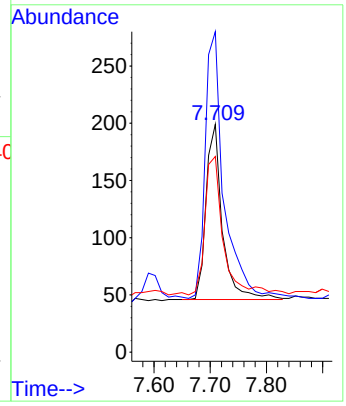
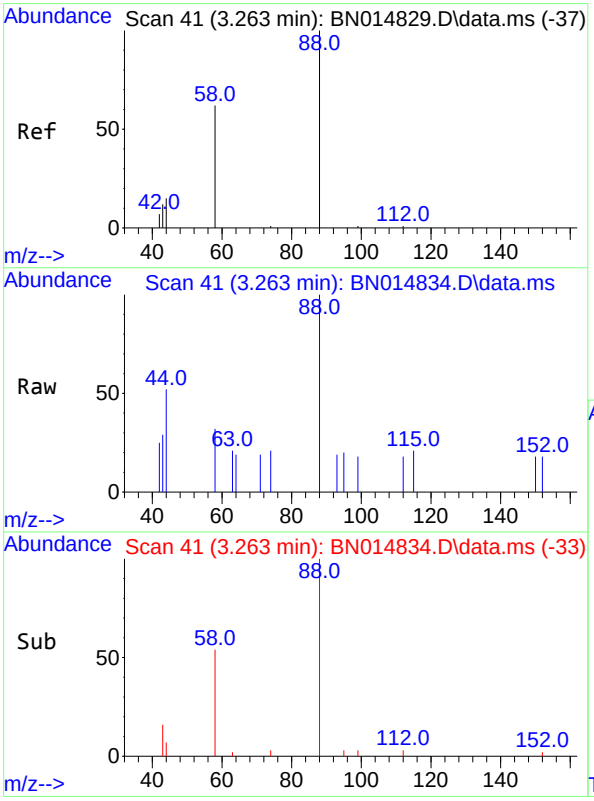


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.709 min Scan# 415
Delta R.T. 0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:152 Resp: 310

Ion	Ratio	Lower	Upper
152	100		
150	140.7	123.4	185.2
115	85.9	73.2	109.8

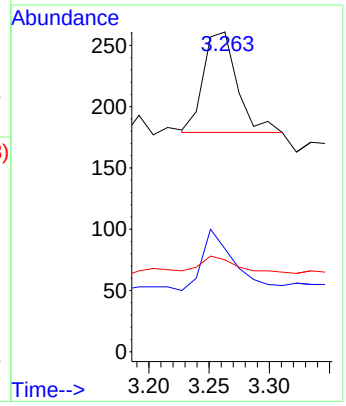




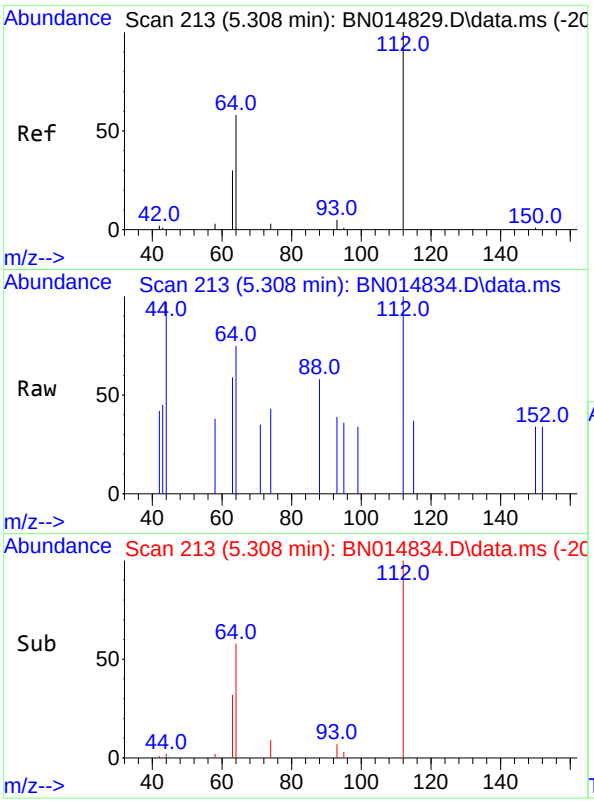
#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.263 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion: 88 Resp: 159

Ion	Ratio	Lower	Upper
88	100		
58	47.8	44.7	67.1
43	15.1	21.0	31.6#



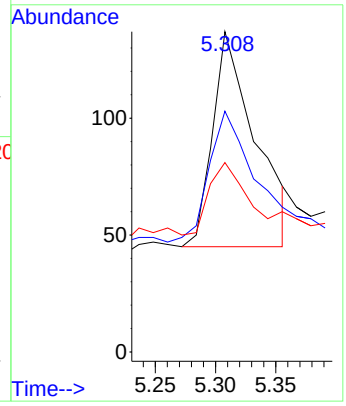
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

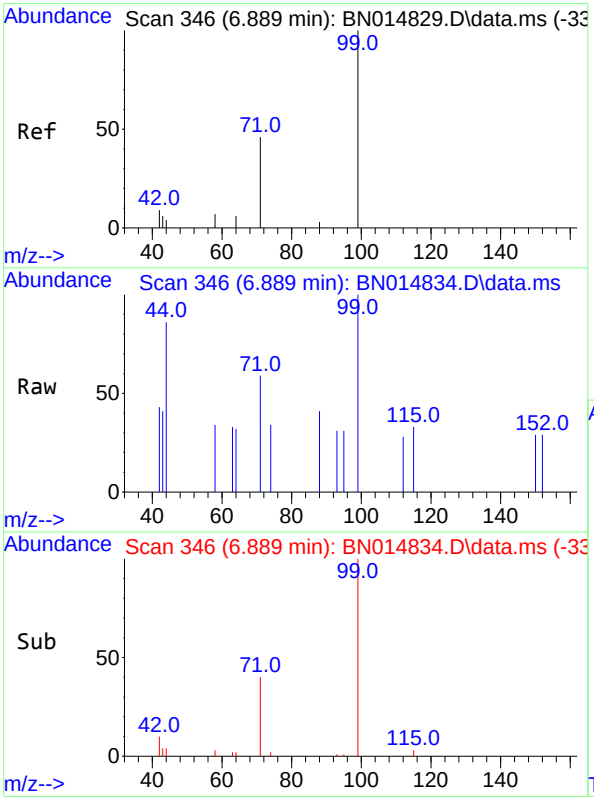


#4
2-Fluorophenol
Concen: 0.365 ng
RT: 5.308 min Scan# 213
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:112 Resp: 226

Ion	Ratio	Lower	Upper
112	100		
64	65.5	43.6	65.4#
63	30.1	25.0	37.6

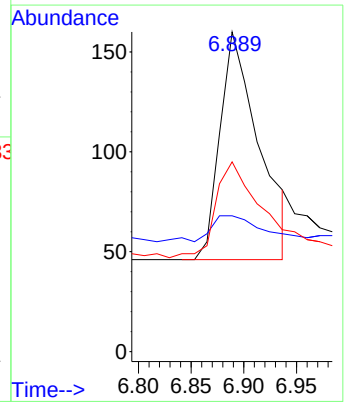




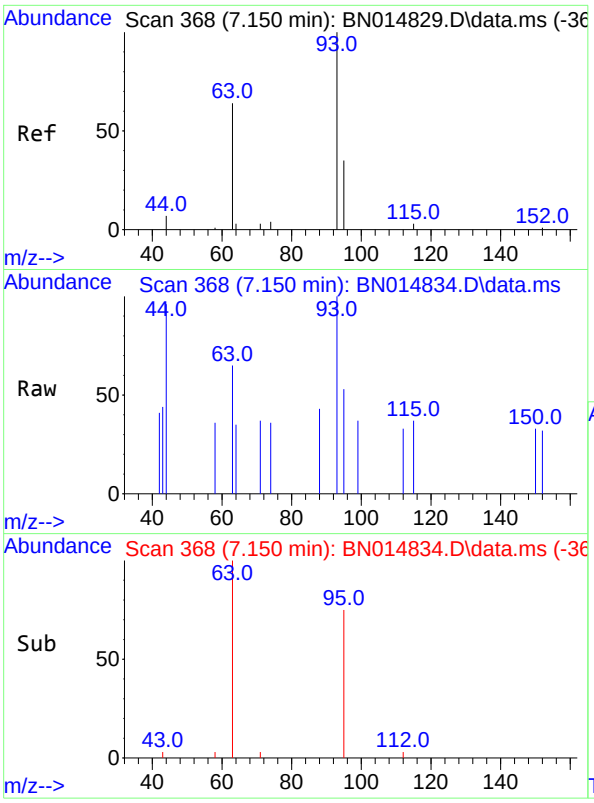
#5
Phenol-d6
Concen: 0.363 ng
RT: 6.889 min Scan# 346
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion: 99 Resp: 293

Ion	Ratio	Lower	Upper
99	100		
42	14.7	10.2	15.2
71	47.1	32.4	48.6



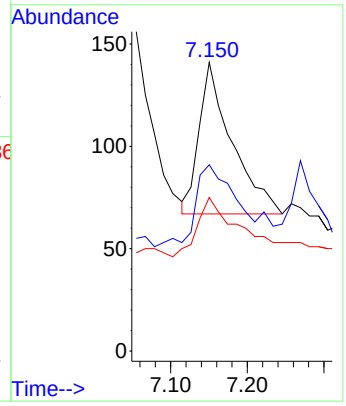
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

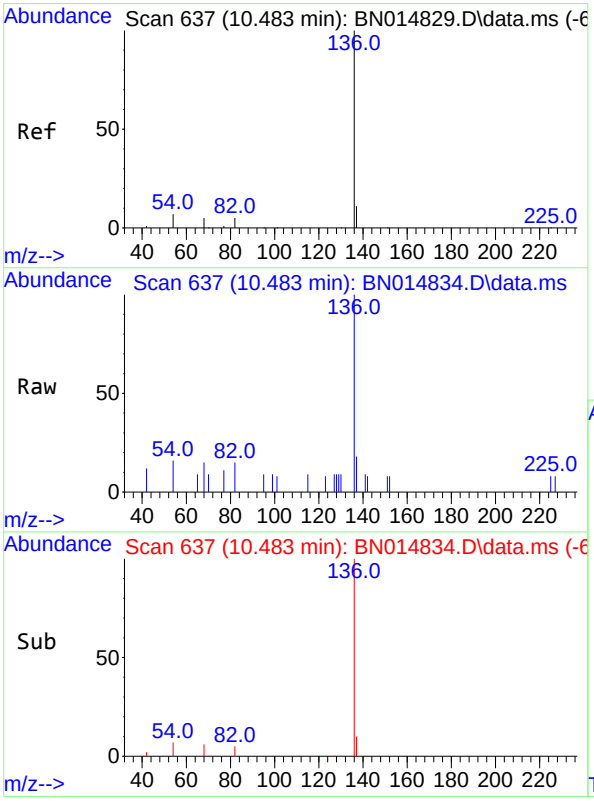


#6
bis(2-Chloroethyl)ether
Concen: 0.295 ng
RT: 7.150 min Scan# 368
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion: 93 Resp: 219

Ion	Ratio	Lower	Upper
93	100		
63	75.8	47.5	71.3#
95	61.2	28.5	42.7#

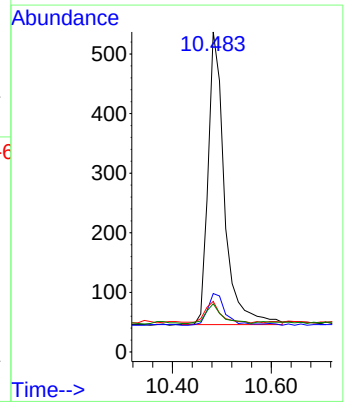




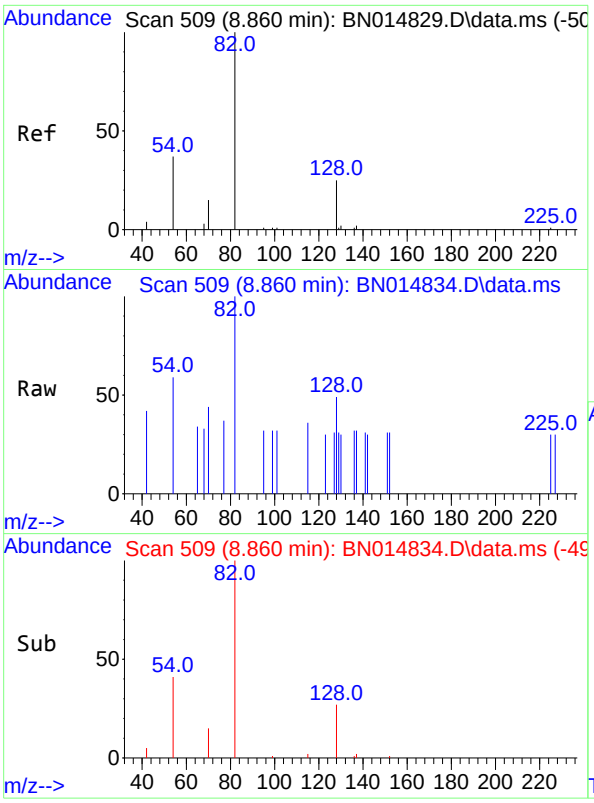
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.483 min Scan# 637
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:136 Resp: 1131

Ion	Ratio	Lower	Upper
136	100		
137	18.2	13.2	19.8
54	15.8	9.0	13.4#
68	15.1	8.8	13.2#



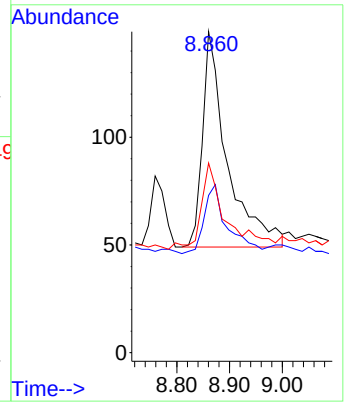
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

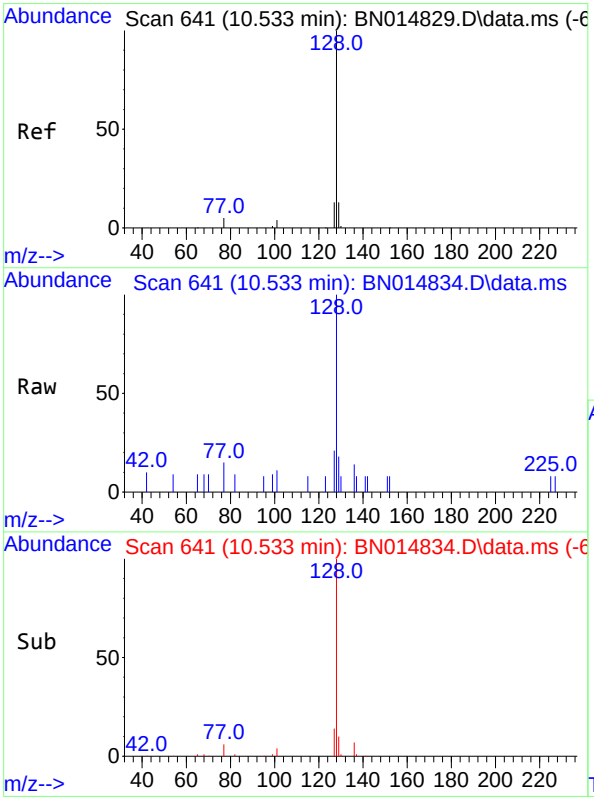


#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 8.860 min Scan# 509
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion: 82 Resp: 326

Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.2	51.2
54	59.1	38.4	57.6#

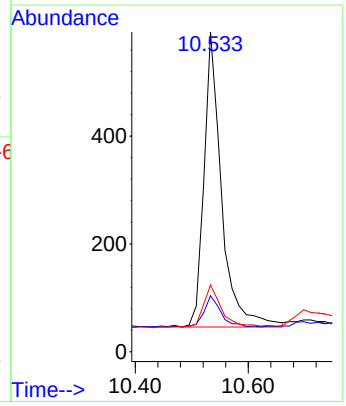




#9
Naphthalene
Concen: 0.380 ng
RT: 10.533 min Scan# 641
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:128 Resp: 1184

Ion	Ratio	Lower	Upper
128	100		
129	17.5	13.0	19.4
127	20.9	15.0	22.6



Instrument :
BNA_N
ClientSampleId :
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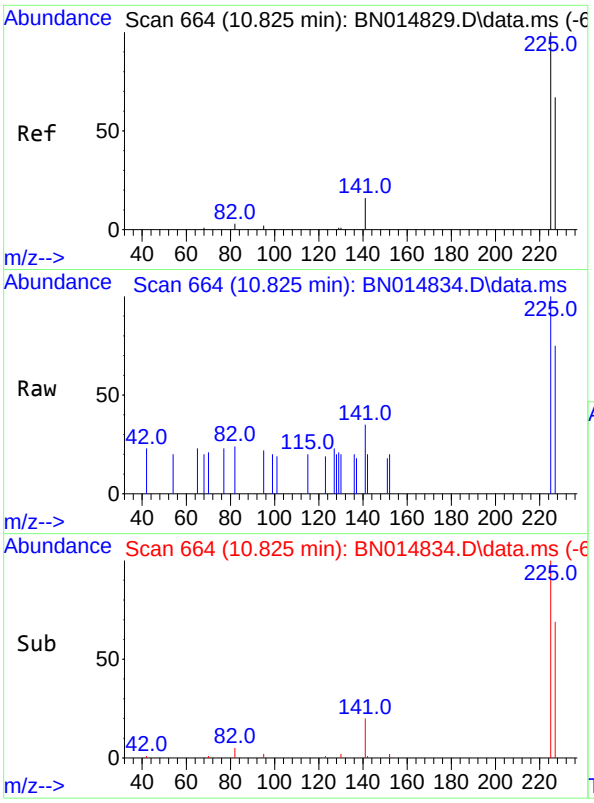
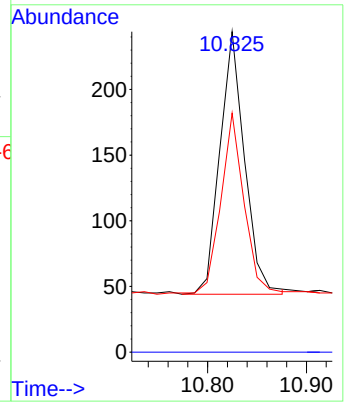
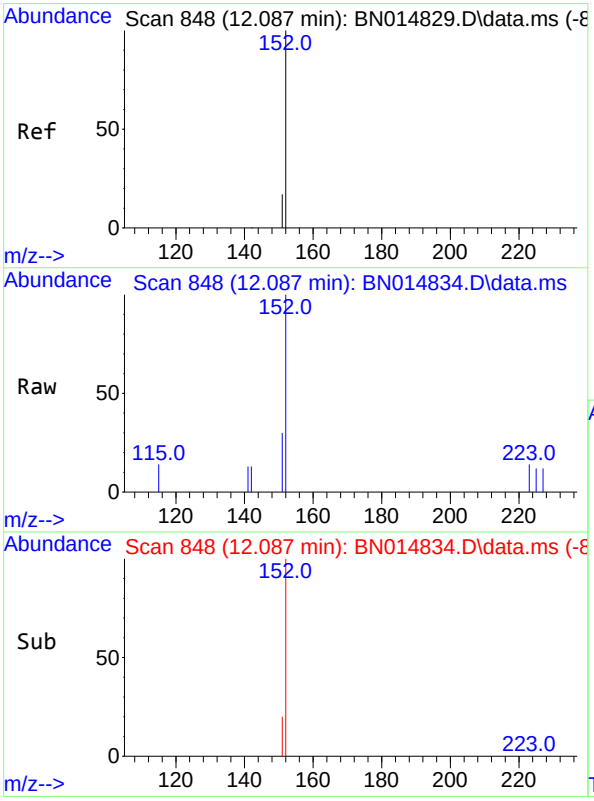


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 10.825 min Scan# 664
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:225 Resp: 347

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	50.8	76.2

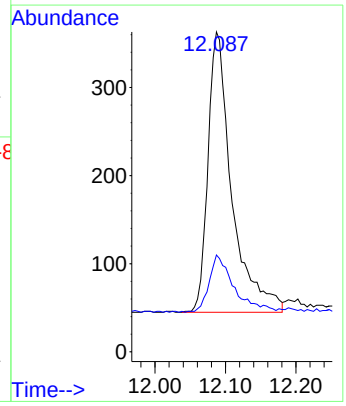




#11
2-Methylnaphthalene-d10
Concen: 0.364 ng
RT: 12.087 min Scan# 848
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:152 Resp: 747

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.8	25.2



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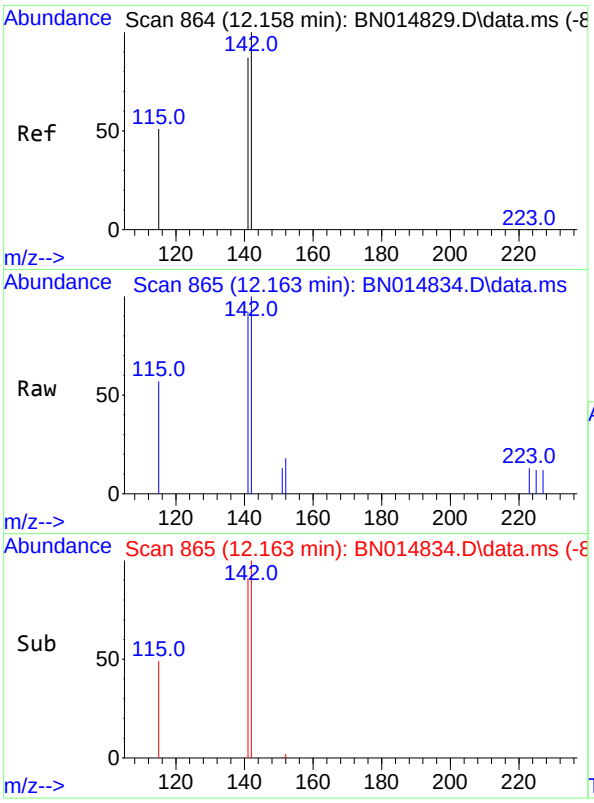
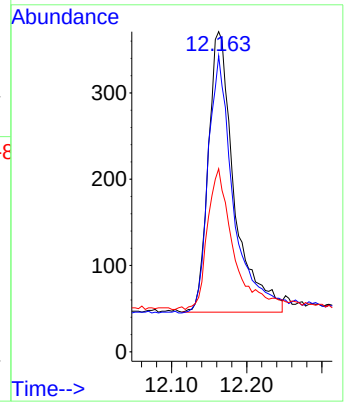
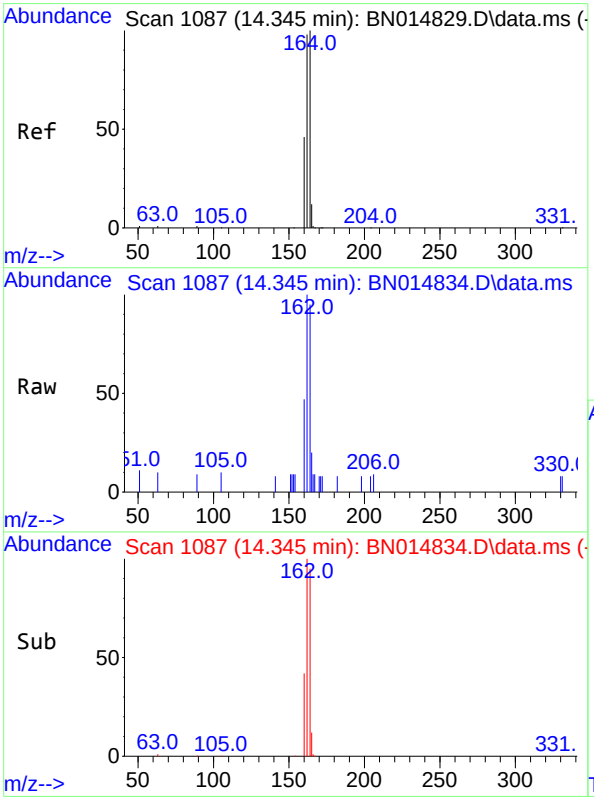


#12
2-Methylnaphthalene
Concen: 0.370 ng
RT: 12.163 min Scan# 865
Delta R.T. 0.004 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:142 Resp: 778

Ion	Ratio	Lower	Upper
142	100		
141	92.5	72.9	109.3
115	57.1	41.8	62.6

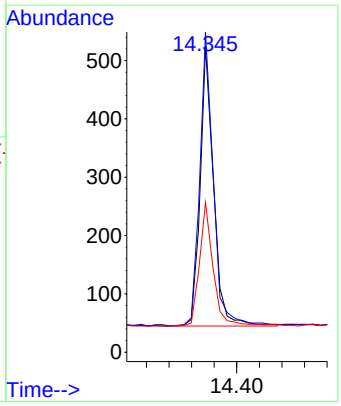




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1087
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:164 Resp: 795

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.2	124.8
160	49.0	41.8	62.6



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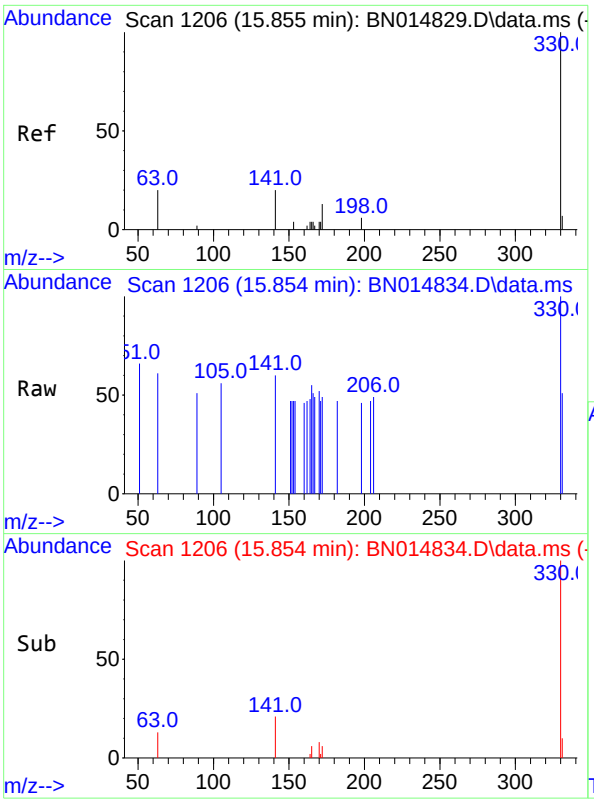
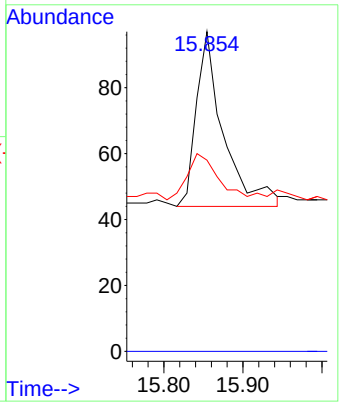
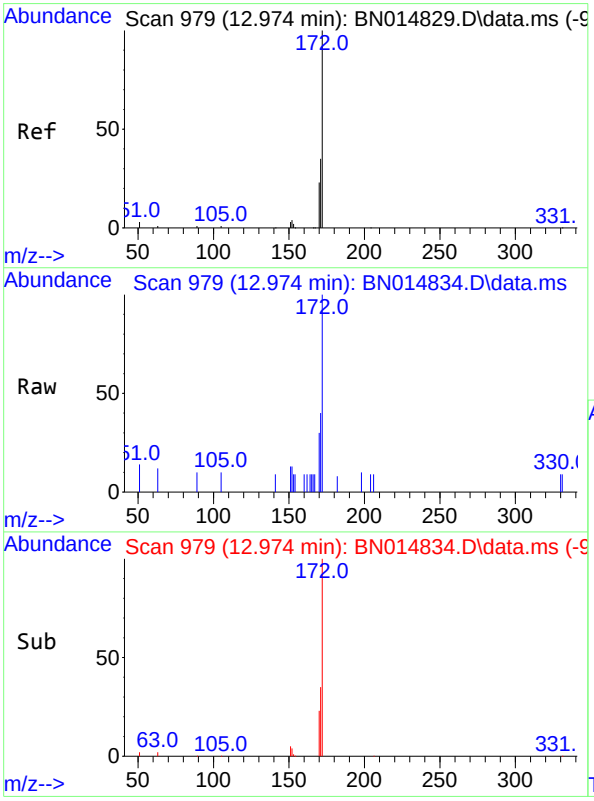


#14
2,4,6-Tribromophenol
Concen: 0.345 ng
RT: 15.854 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:330 Resp: 126

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.7	21.8	32.6

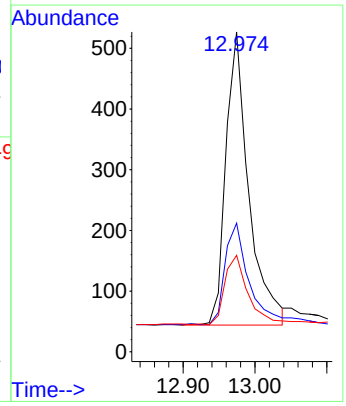




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 12.974 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:172 Resp: 1070

Ion	Ratio	Lower	Upper
172	100		
171	40.2	30.9	46.3
170	30.2	21.4	32.0



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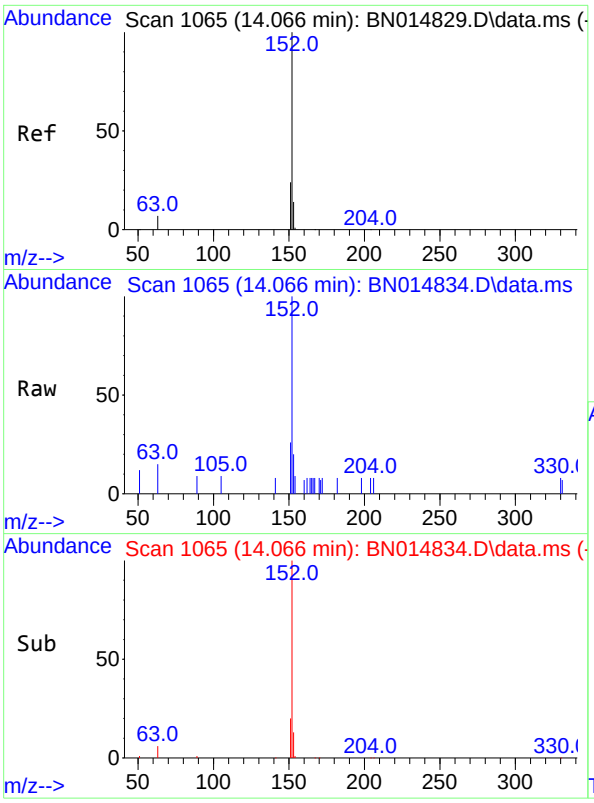
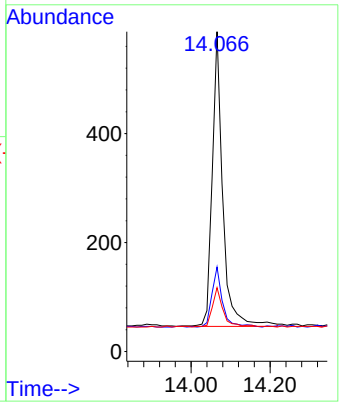
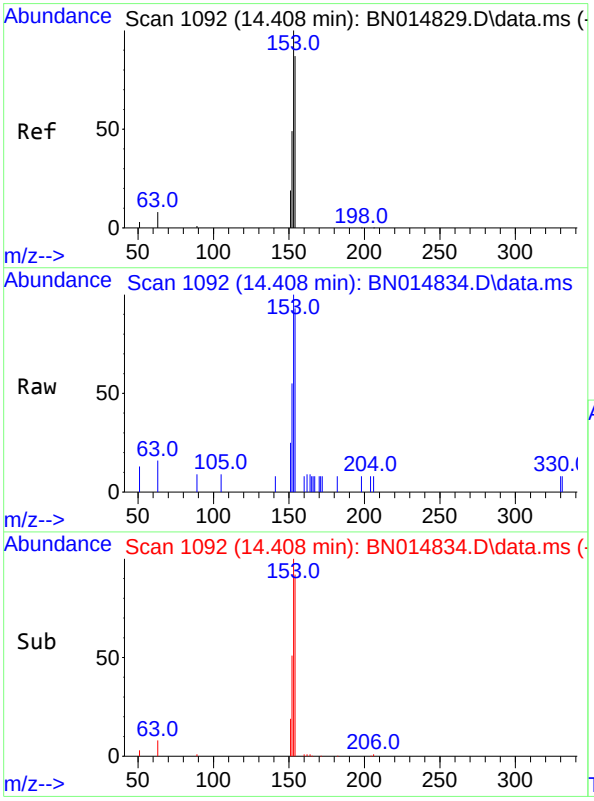


#16
Acenaphthylene
Concen: 0.353 ng
RT: 14.066 min Scan# 1065
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:152 Resp: 1001

Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.1	25.7
153	13.9	9.9	14.9

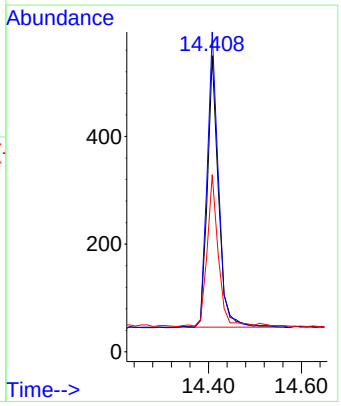




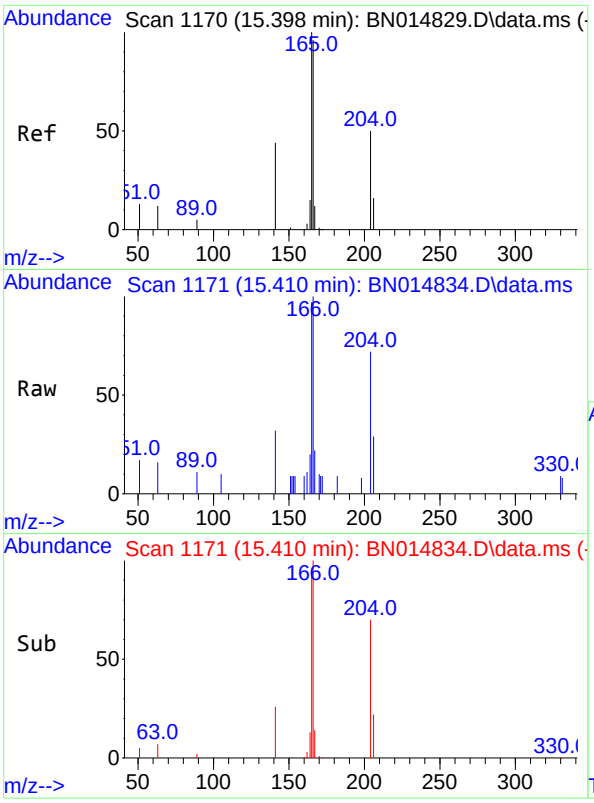
#17
Acenaphthene
Concen: 0.384 ng
RT: 14.408 min Scan# 1092
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:154 Resp: 843

Ion	Ratio	Lower	Upper
154	100		
153	111.4	91.8	137.8
152	56.1	46.0	69.0



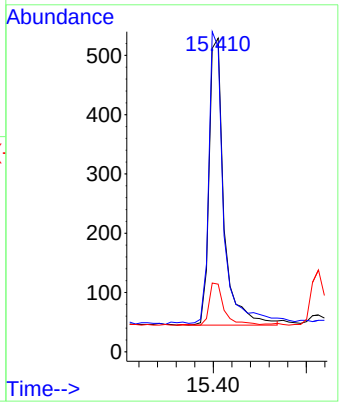
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

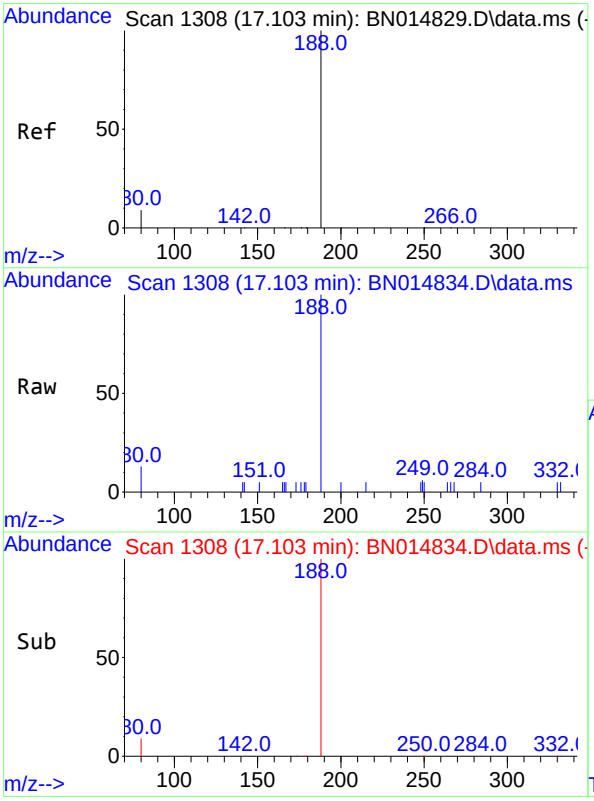


#18
Fluorene
Concen: 0.366 ng
RT: 15.410 min Scan# 1171
Delta R.T. 0.013 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:166 Resp: 1073

Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.9	119.9
167	14.5	10.5	15.7

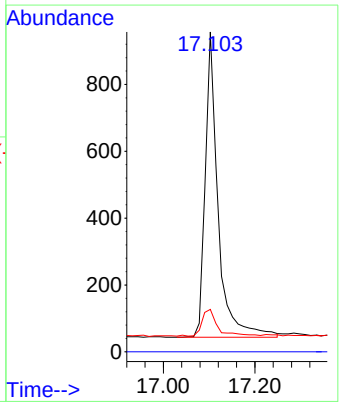




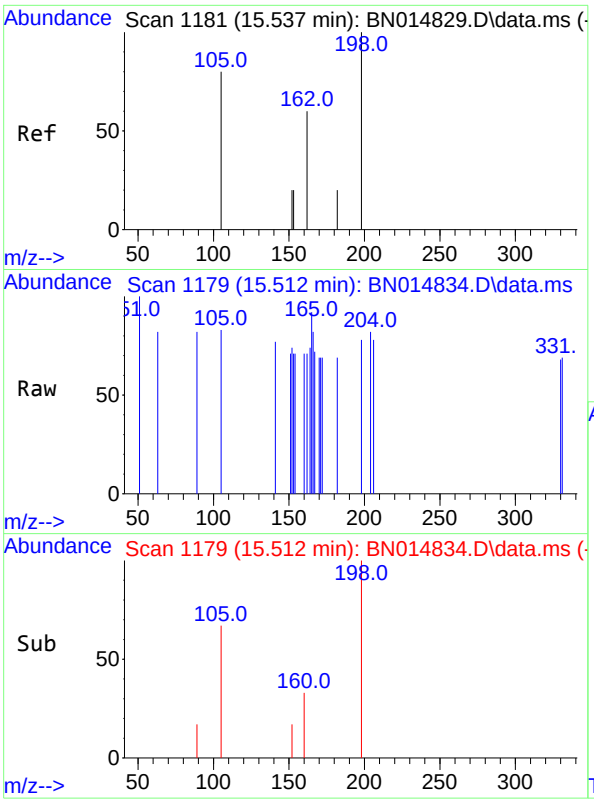
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.103 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:188 Resp: 1775

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.3	8.2	12.4#



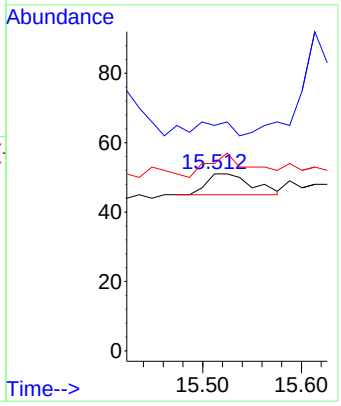
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

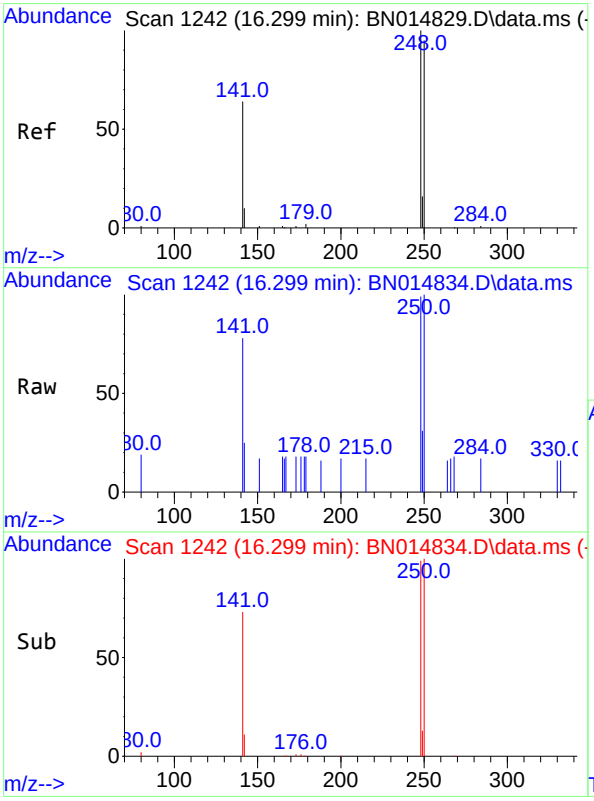


#20
4,6-Dinitro-2-methylphenol
Concen: 0.387 ng
RT: 15.512 min Scan# 1179
Delta R.T. -0.025 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:198 Resp: 19

Ion	Ratio	Lower	Upper
198	100		
51	127.5	96.4	144.6
105	105.9	72.3	108.5

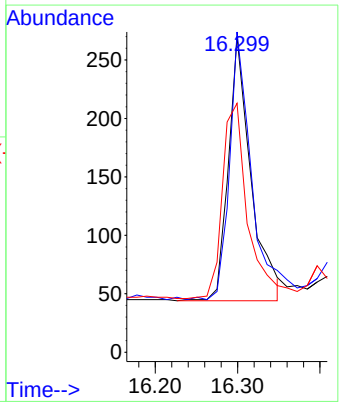




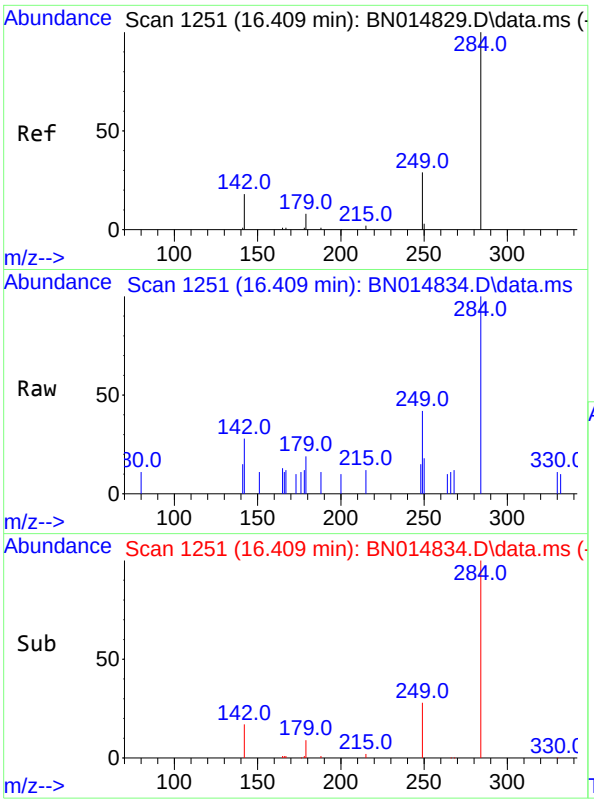
#21
4-Bromophenyl-phenylether
Concen: 0.380 ng
RT: 16.299 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:248 Resp: 431

Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.5	116.3
141	78.9	50.2	75.4#



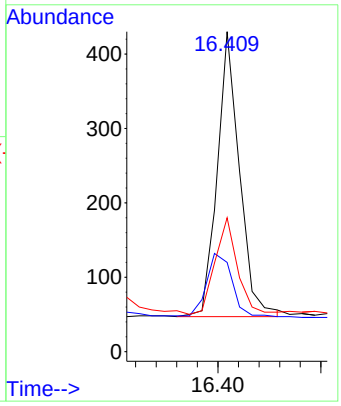
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

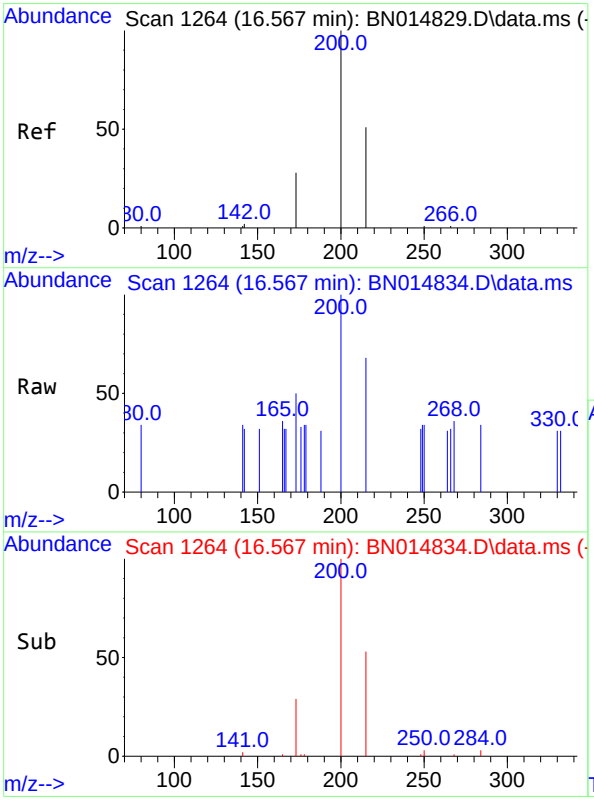


#22
Hexachlorobenzene
Concen: 0.393 ng
RT: 16.409 min Scan# 1251
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:284 Resp: 575

Ion	Ratio	Lower	Upper
284	100		
142	25.2	20.3	30.5
249	33.7	26.4	39.6

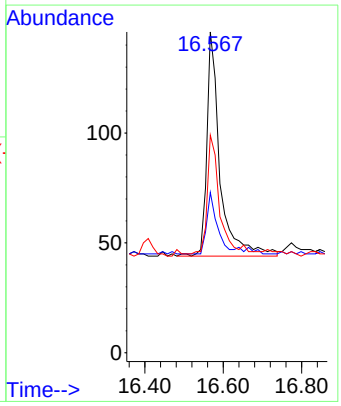




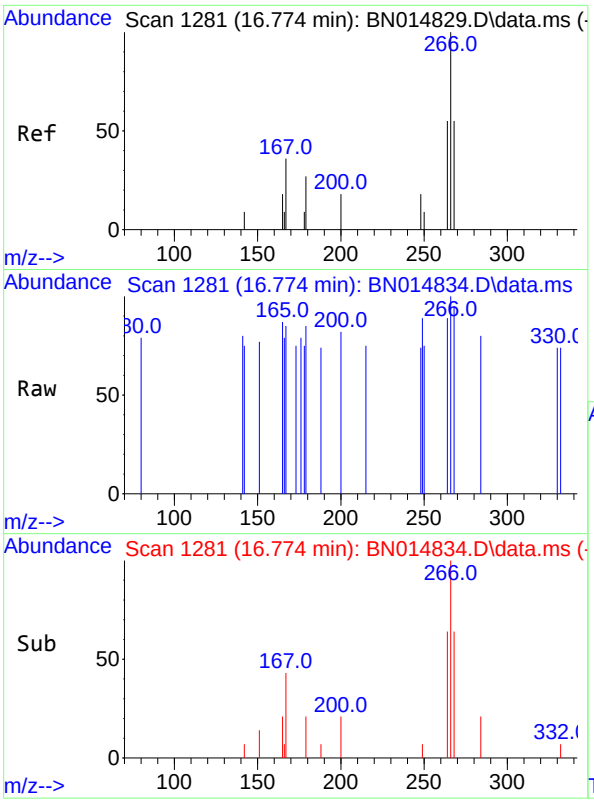
#23
Atrazine
Concen: 0.363 ng
RT: 16.567 min Scan# 1264
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:200 Resp: 238

Ion	Ratio	Lower	Upper
200	100		
173	50.0	29.1	43.7#
215	67.8	45.1	67.7#



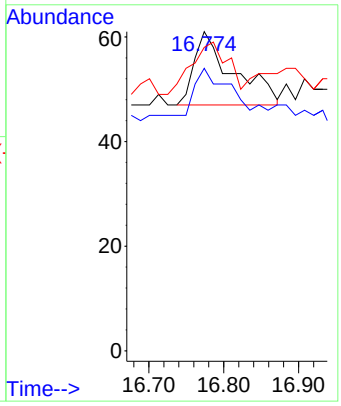
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

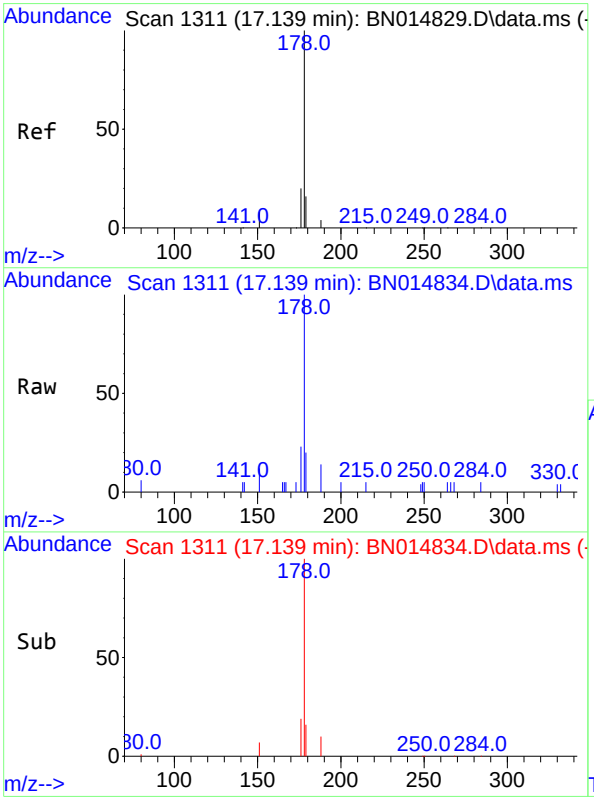


#24
Pentachlorophenol
Concen: 0.226 ng
RT: 16.774 min Scan# 1281
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:266 Resp: 50

Ion	Ratio	Lower	Upper
266	100		
264	58.0	44.2	66.2
268	68.0	44.2	66.2#

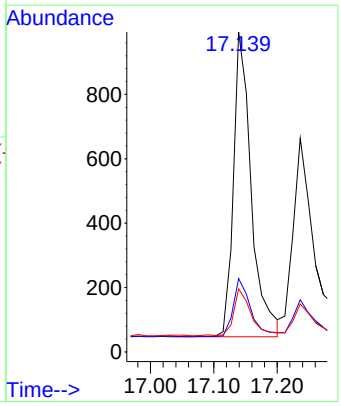




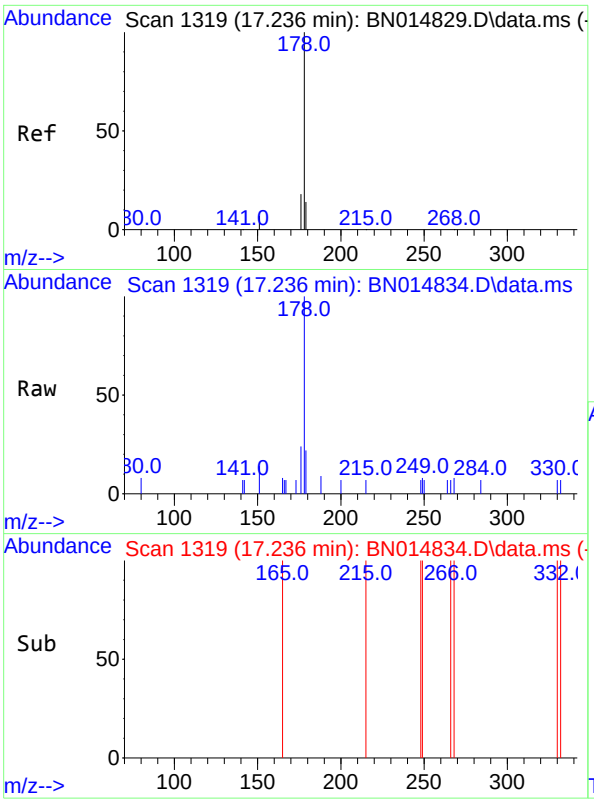
#25
Phenanthrene
Concen: 0.381 ng
RT: 17.139 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:178 Resp: 1856

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.0	24.0
179	15.2	12.6	19.0



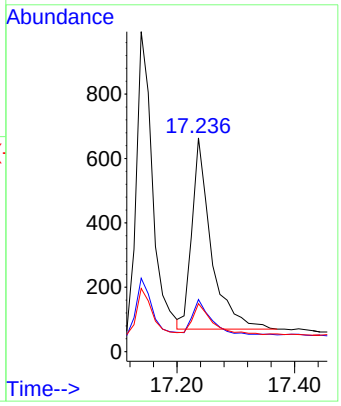
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

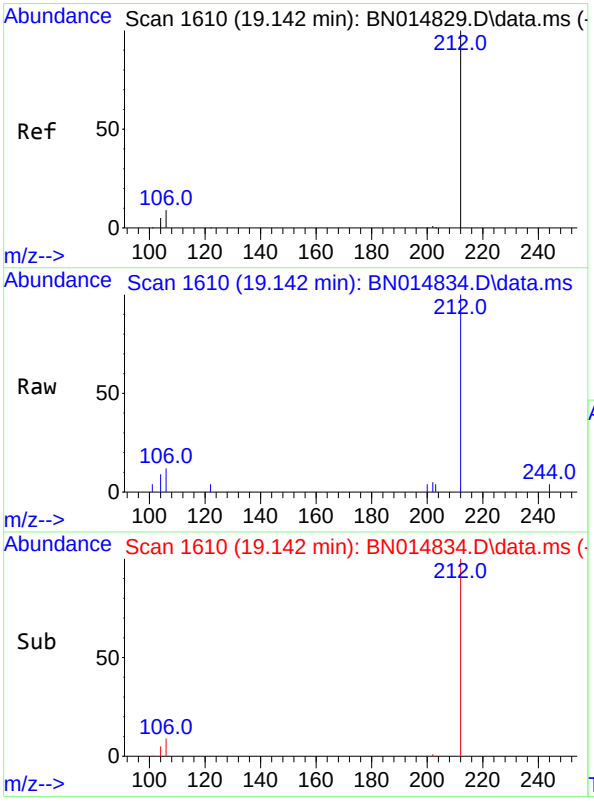


#26
Anthracene
Concen: 0.355 ng
RT: 17.236 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:178 Resp: 1355

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.2	21.2
179	16.8	13.7	20.5

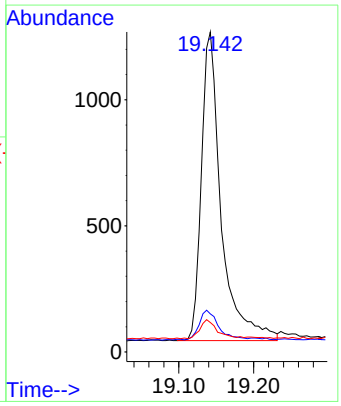




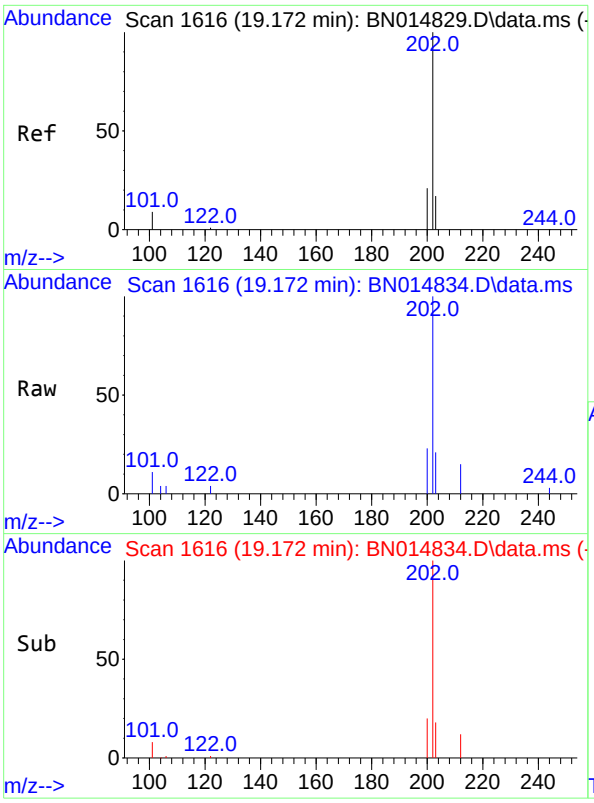
#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.142 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:212 Resp: 2245

Ion	Ratio	Lower	Upper
212	100		
106	9.7	7.4	11.2
104	5.2	4.1	6.1



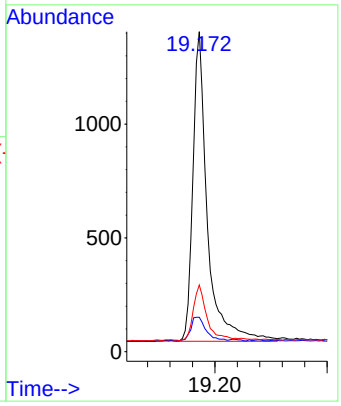
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

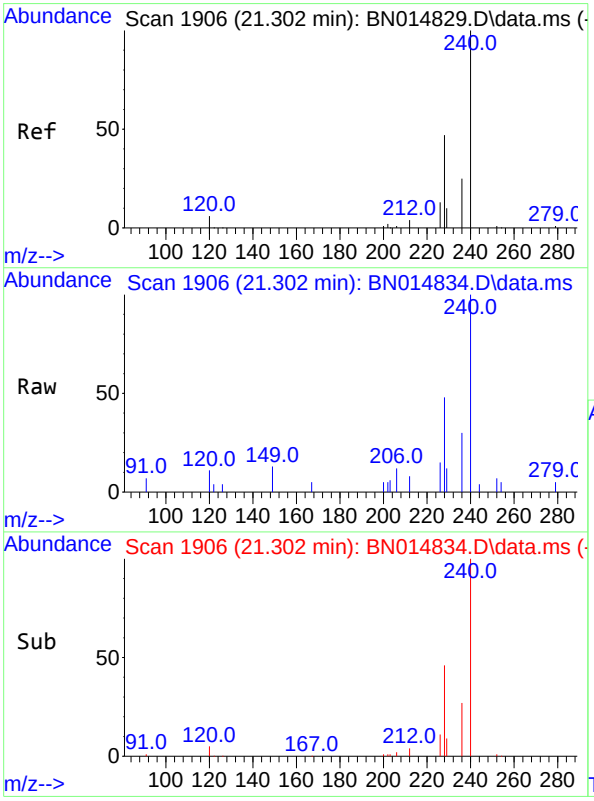


#28
Fluoranthene
Concen: 0.373 ng
RT: 19.172 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:202 Resp: 2430

Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.6
203	16.9	13.5	20.3

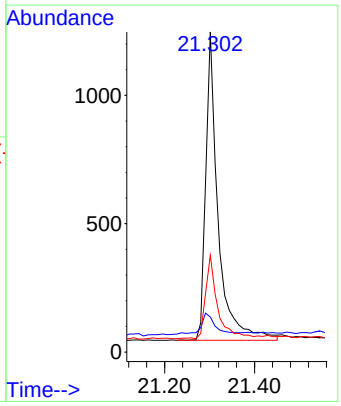




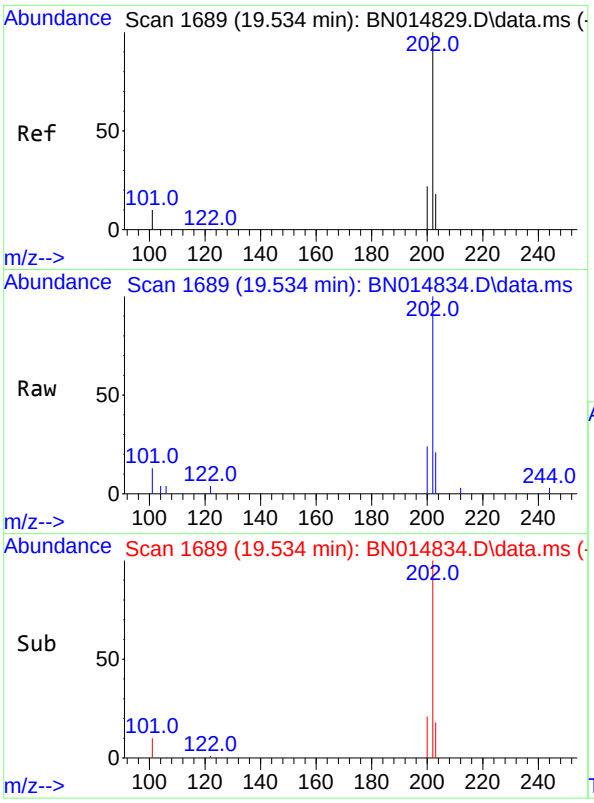
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.302 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:240 Resp: 2284

Ion	Ratio	Lower	Upper
240	100		
120	10.9	5.2	7.8#
236	30.2	21.6	32.4



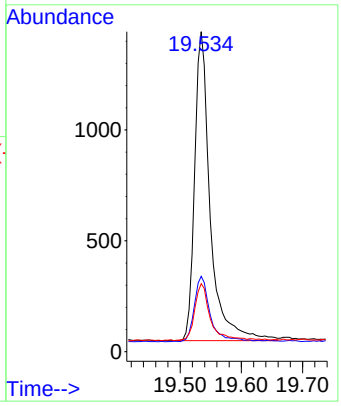
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

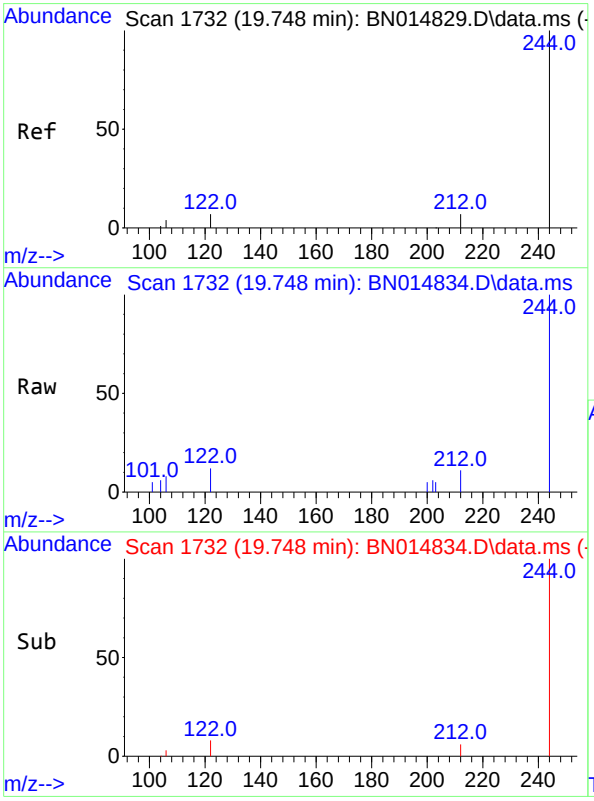


#30
Pyrene
Concen: 0.373 ng
RT: 19.534 min Scan# 1689
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:202 Resp: 2462

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	24.8
203	18.9	13.9	20.9

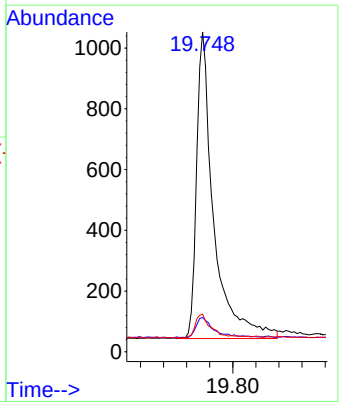




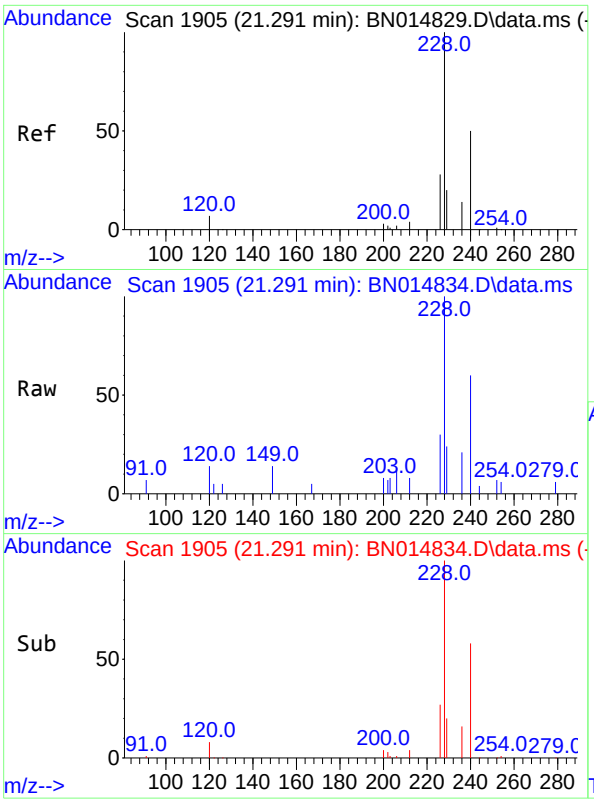
#31
Terphenyl-d14
Concen: 0.376 ng
RT: 19.748 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:244 Resp: 2080

Ion	Ratio	Lower	Upper
244	100		
212	10.7	6.8	10.2#
122	11.8	6.6	9.8#



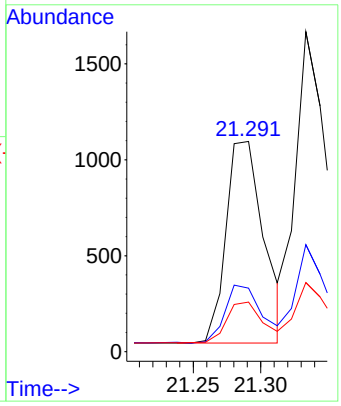
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

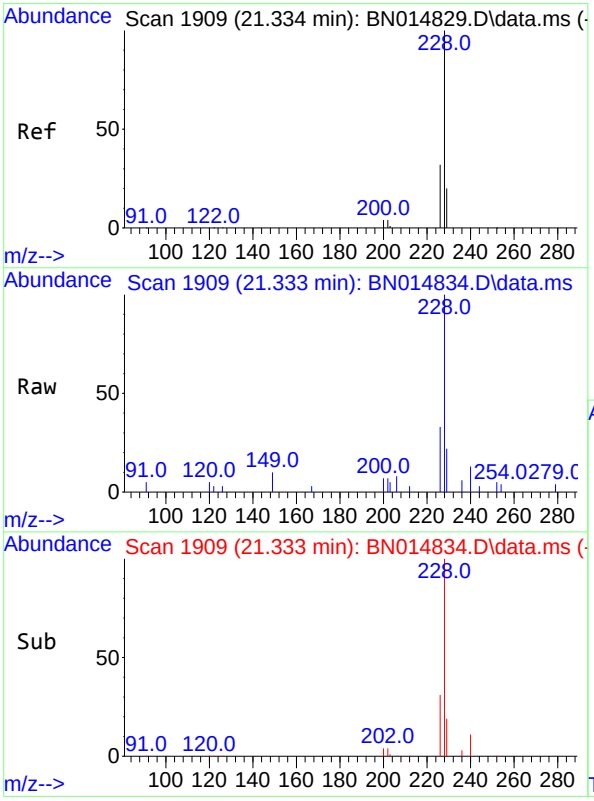


#32
Benzo(a)anthracene
Concen: 0.366 ng
RT: 21.291 min Scan# 1905
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:228 Resp: 2057

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.9	34.3
229	23.6	16.2	24.2

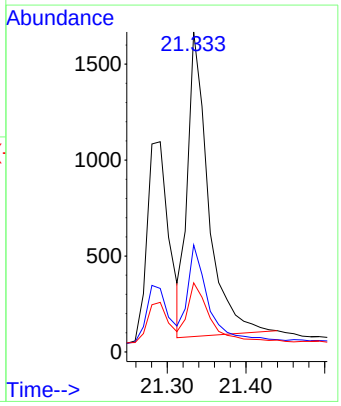




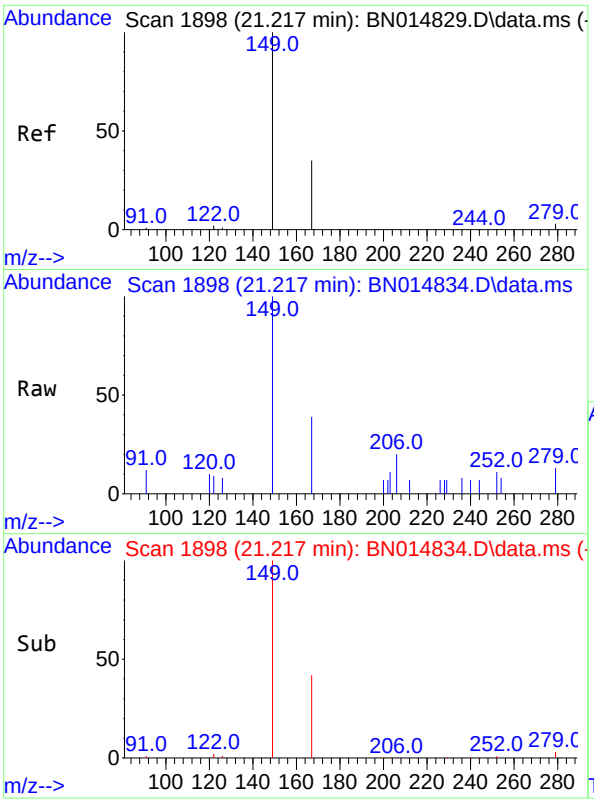
#33
Chrysene
Concen: 0.379 ng
RT: 21.333 min Scan# 1909
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:228 Resp: 2916

Ion	Ratio	Lower	Upper
228	100		
226	33.5	24.3	36.5
229	21.6	16.4	24.6



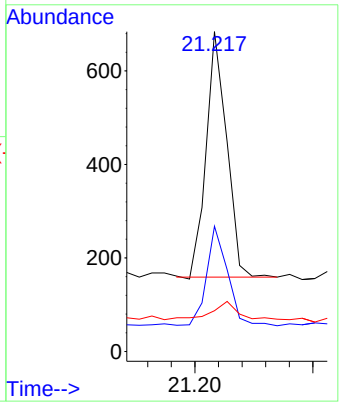
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

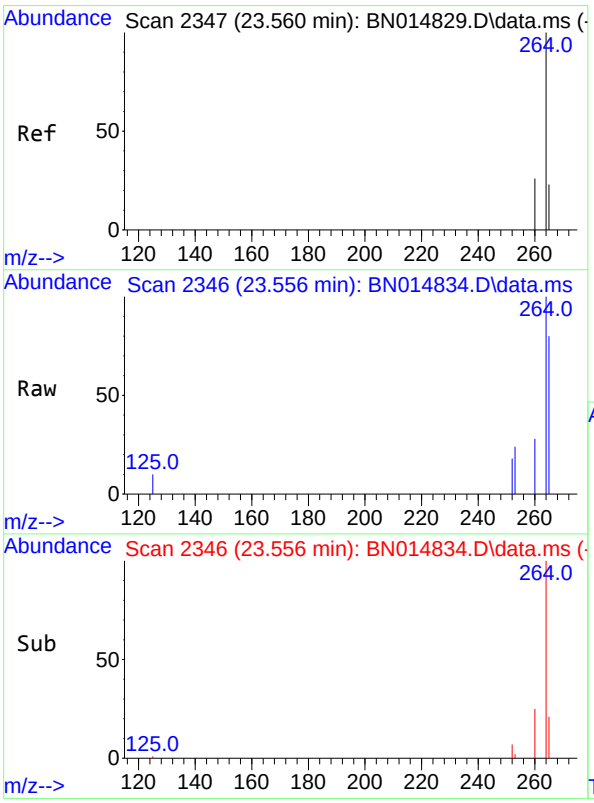


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.398 ng
RT: 21.217 min Scan# 1898
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:149 Resp: 632

Ion	Ratio	Lower	Upper
149	100		
167	42.1	28.3	42.5
279	7.8	5.5	8.3

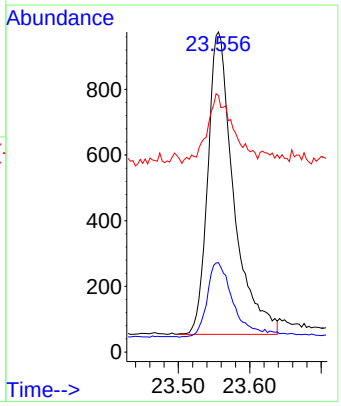




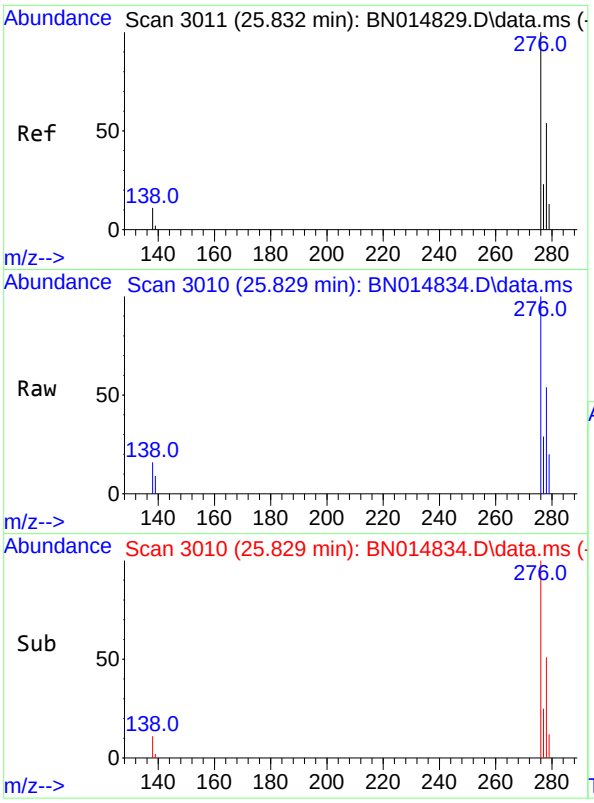
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.556 min Scan# 2346
Delta R.T. -0.004 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:264 Resp: 2315

Ion	Ratio	Lower	Upper
264	100		
260	27.9	21.4	32.2
265	80.1	40.9	61.3#



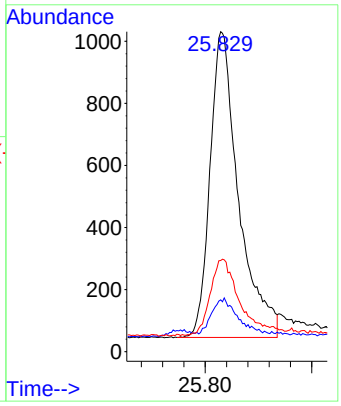
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

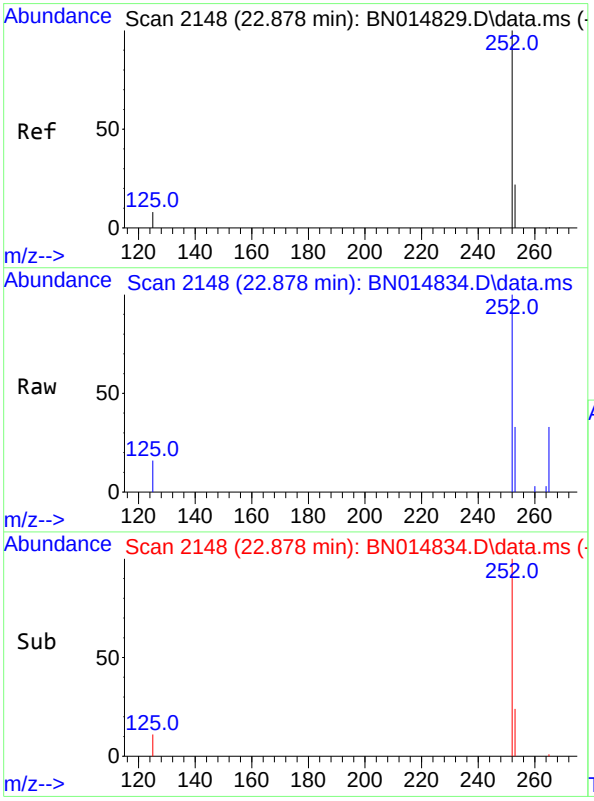


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 25.829 min Scan# 3010
Delta R.T. -0.004 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:276 Resp: 3666

Ion	Ratio	Lower	Upper
276	100		
138	9.8	10.2	15.4#
277	24.9	20.4	30.6

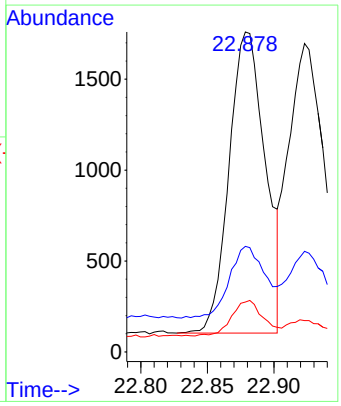




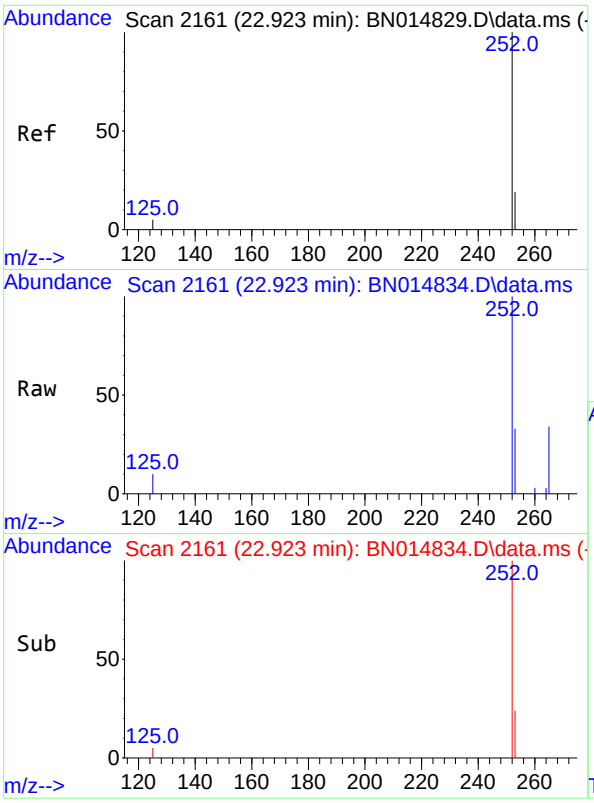
#37
Benzo(b)fluoranthene
Concen: 0.377 ng
RT: 22.878 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:252 Resp: 3127

Ion	Ratio	Lower	Upper
252	100		
253	33.0	21.5	32.3#
125	15.6	6.6	10.0#



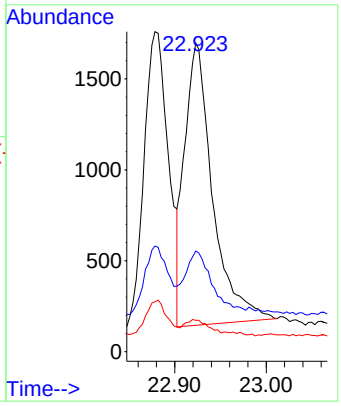
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

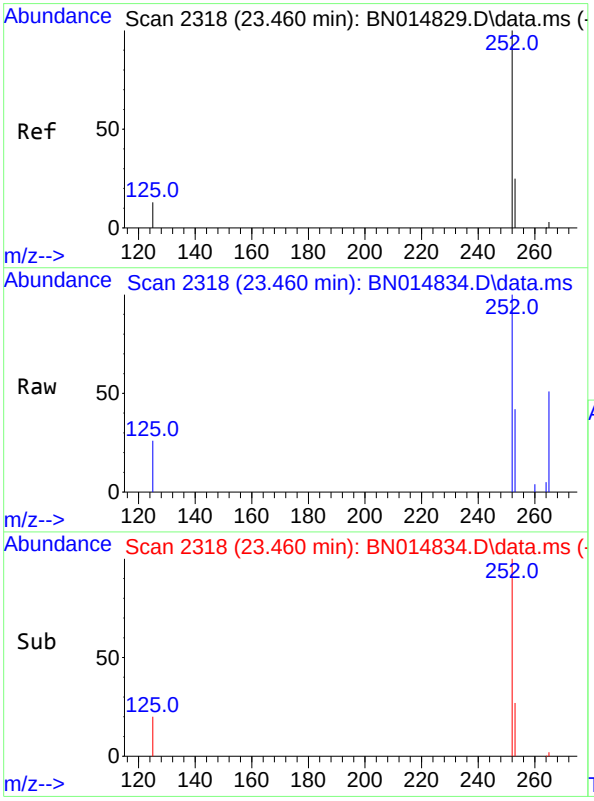


#38
Benzo(k)fluoranthene
Concen: 0.351 ng
RT: 22.923 min Scan# 2161
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:252 Resp: 3307

Ion	Ratio	Lower	Upper
252	100		
253	32.6	22.7	34.1
125	10.1	6.4	9.6#

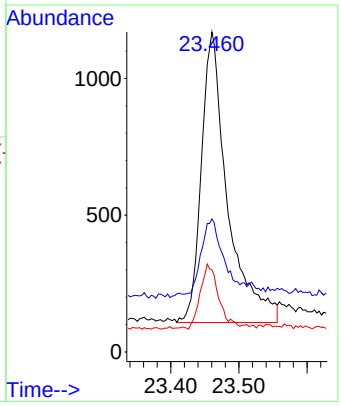




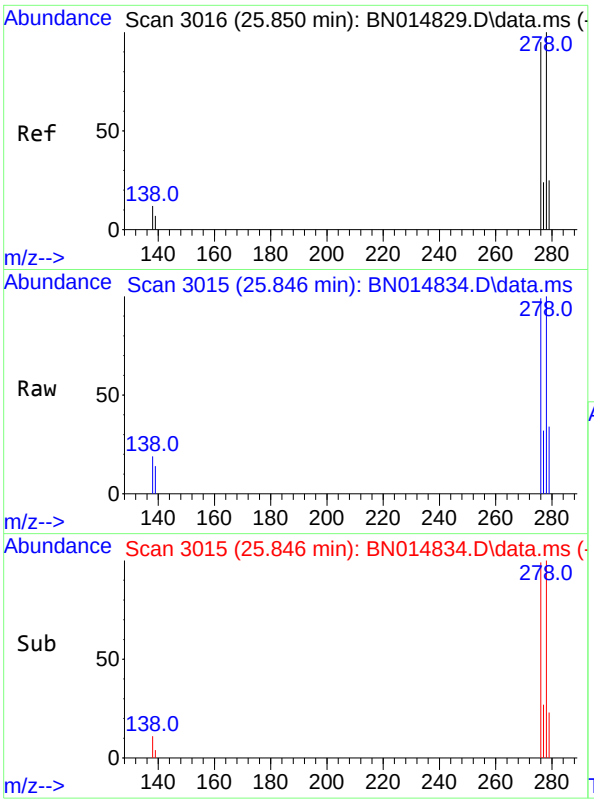
#39
Benzo(a)pyrene
Concen: 0.393 ng
RT: 23.460 min Scan# 2318
Delta R.T. -0.000 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:252 Resp: 2832

Ion	Ratio	Lower	Upper
252	100		
253	41.5	25.1	37.7#
125	25.6	9.4	14.0#



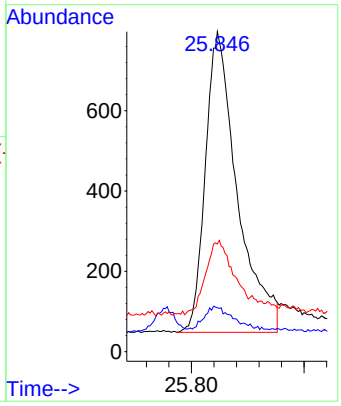
Instrument :
BNA_N
ClientSampleId :
ICVBN060321

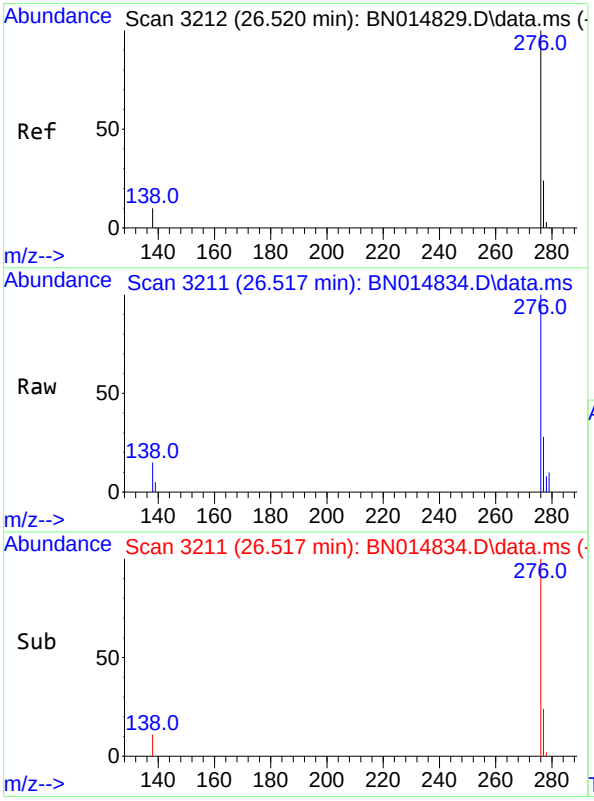


#40
Dibenzo(a,h)anthracene
Concen: 0.377 ng
RT: 25.846 min Scan# 3015
Delta R.T. -0.003 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:278 Resp: 2944

Ion	Ratio	Lower	Upper
278	100		
139	13.7	8.6	13.0#
279	33.6	22.8	34.2





#41
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 26.517 min Scan# 3211
Delta R.T. -0.003 min
Lab File: BN014834.D
Acq: 03 Jun 2021 20:06

Tgt Ion:276 Resp: 3484

Ion	Ratio	Lower	Upper
276	100		
277	27.9	20.9	31.3
138	15.0	10.3	15.5