Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050322\
Data File : BN019644.D
Acq On : 03 May 2022 11:05
Operator : CG/JU
Sample : PB144494BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Quant Time: May 04 07:32:52 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN042822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 28 02:56:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.876	152	5707	0.400	ng		0.00
7) Naphthalene-d8	10.658	136	15959	0.400	ng		-0.01
13) Acenaphthene-d10	14.484	164	7924	0.400	ng		-0.01
19) Phenanthrene-d10	17.225	188	15178	0.400	ng		-0.01
29) Chrysene-d12	21.413	240	13189	0.400	ng		# 0.00
35) Perylene-d12	23.761	264	11654	0.400	ng		# 0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.456	112	5129	0.364	ng		0.00
5) Phenol-d6	7.031	99	6012	0.357	ng		0.00
8) Nitrobenzene-d5	9.014	82	4641	0.409	ng		-0.01
11) 2-Methylnaphthalene-d10	12.246	152	9029	0.365	ng		-0.01
14) 2,4,6-Tribromophenol	15.974	330	853	0.336	ng		-0.01
15) 2-Fluorobiphenyl	13.116	172	13023	0.384	ng		-0.01
27) Fluoranthene-d10	19.257	212	14942	0.346	ng		0.00
31) Terphenyl-d14	19.855	244	10193	0.351	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.376	88	2399	0.360	ng		97
3) n-Nitrosodimethylamine	3.694	42	2390	0.459	ng		87
6) bis(2-Chloroethyl)ether	7.298	93	5947	0.414	ng		99
9) Naphthalene	10.712	128	17193	0.377	ng		99
10) Hexachlorobutadiene	11.011	225	3263	0.378	ng	#	99
12) 2-Methylnaphthalene	12.321	142	10714	0.373	ng		100
16) Acenaphthylene	14.206	152	13654	0.382	ng		99
17) Acenaphthene	14.549	154	9297	0.364	ng		99
18) Fluorene	15.532	166	11261	0.360	ng		99
20) 4,6-Dinitro-2-methylph...	15.607	198	363	0.280	ng	#	89
21) 4-Bromophenyl-phenylether	16.425	248	3368	0.362	ng	#	74
22) Hexachlorobenzene	16.538	284	4074	0.375	ng		97
23) Atrazine	16.682	200	1775	0.322	ng		98
24) Pentachlorophenol	16.877	266	1243	0.339	ng		98
25) Phenanthrene	17.266	178	18233	0.359	ng		99
26) Anthracene	17.359	178	14875	0.354	ng		98
28) Fluoranthene	19.286	202	19063	0.347	ng		99
30) Pyrene	19.649	202	19509	0.361	ng		100
32) Benzo(a)anthracene	21.395	228	16359	0.344	ng		98
33) Chrysene	21.449	228	18656	0.359	ng		99
34) Bis(2-ethylhexyl)phtha...	21.333	149	6879	0.316	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.176	276	20204	0.361	ng		100
37) Benzo(b)fluoranthene	23.048	252	16889	0.355	ng		94
38) Benzo(k)fluoranthene	23.094	252	18293	0.381	ng	#	91
39) Benzo(a)pyrene	23.656	252	13078	0.353	ng		92
40) Dibenzo(a,h)anthracene	26.191	278	16167	0.355	ng		97
41) Benzo(g,h,i)perylene	26.913	276	16614	0.344	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050322\
Data File : BN019644.D
Acq On : 03 May 2022 11:05
Operator : CG/JU
Sample : PB144494BS
Misc :
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Instrument :
BNA_N
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Quant Time: May 04 07:32:52 2022
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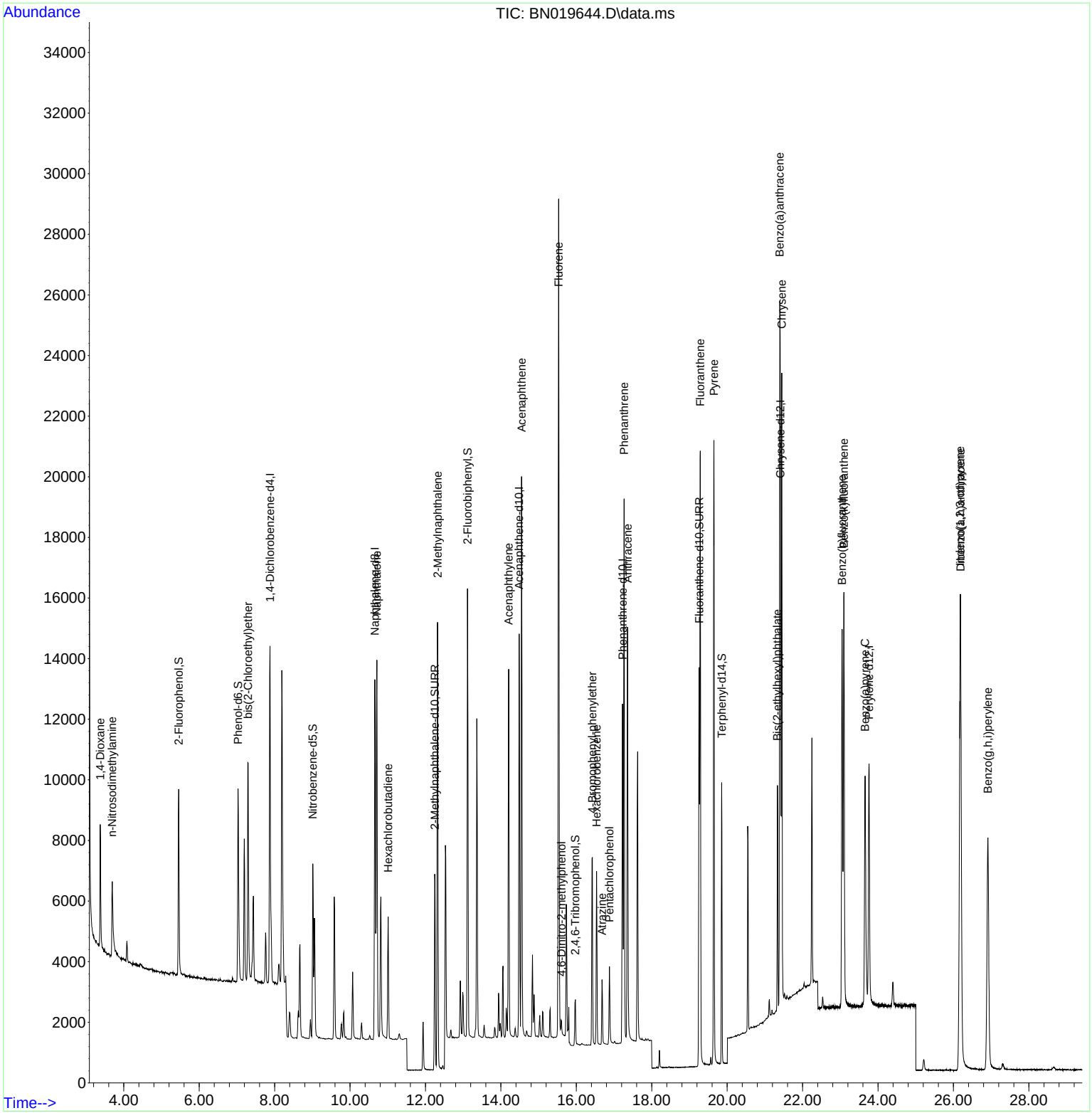
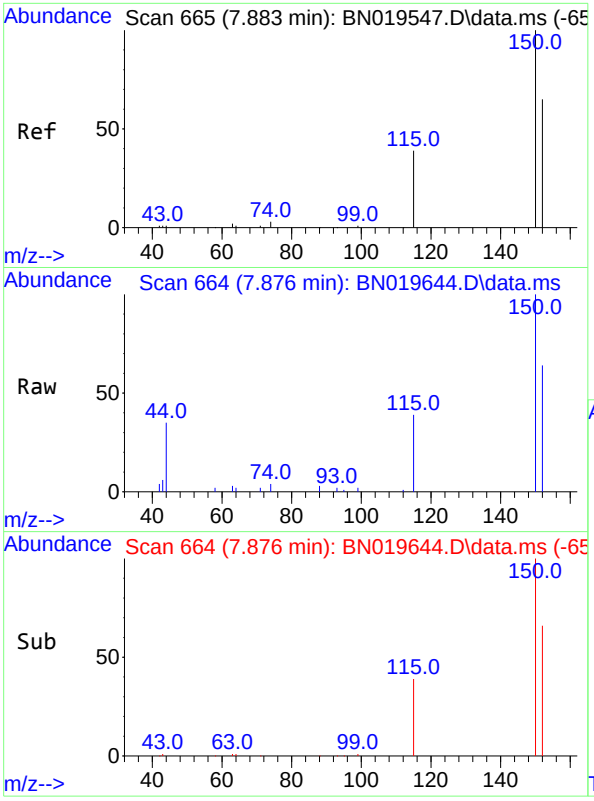
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 28 02:56:24 2022
Response via : Initial Calibration



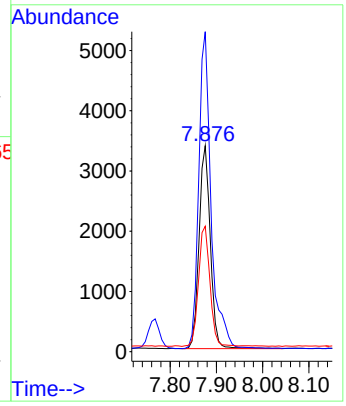


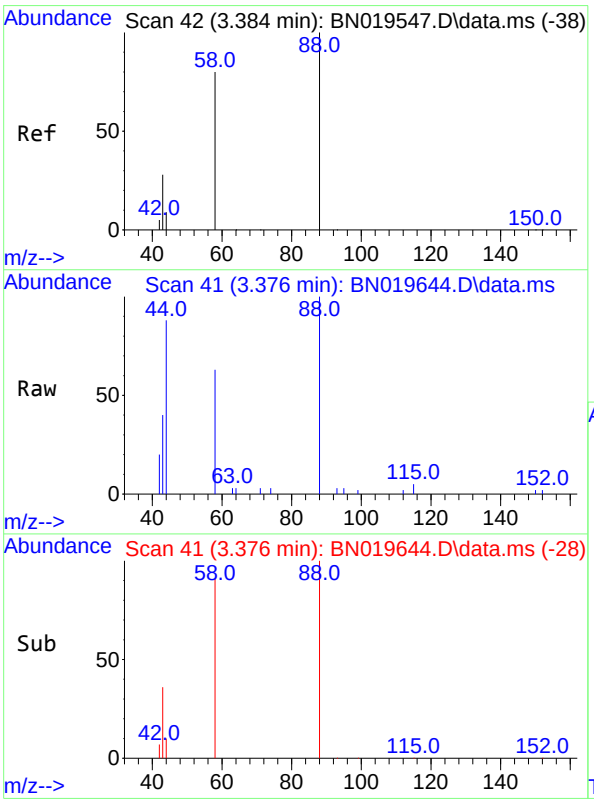
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.876 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:152 Resp: 5707

Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.6	183.8
115	60.9	49.0	73.6

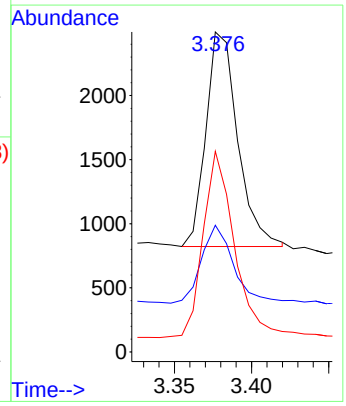


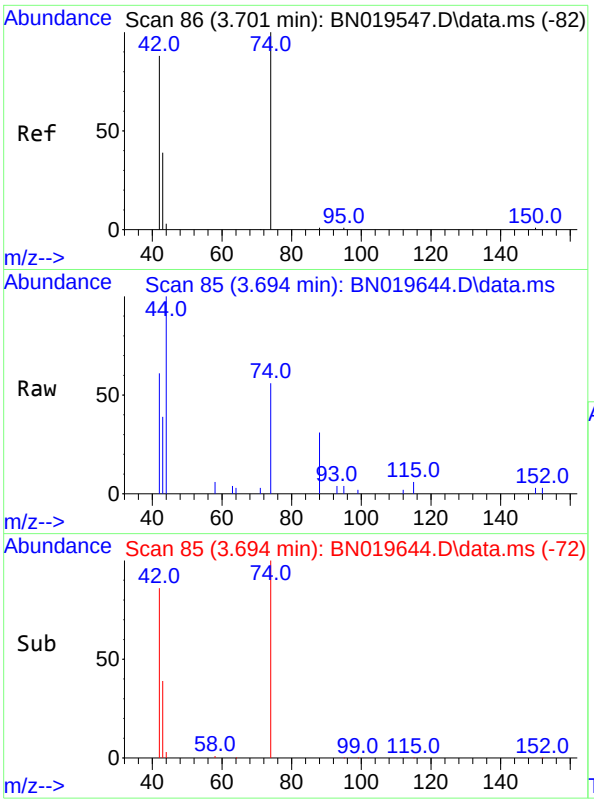


#2
1,4-Dioxane
Concen: 0.360 ng
RT: 3.376 min Scan# 41
Delta R.T. -0.007 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion: 88 Resp: 2399

Ion	Ratio	Lower	Upper
88	100		
43	36.7	25.2	37.8
58	85.5	67.6	101.4



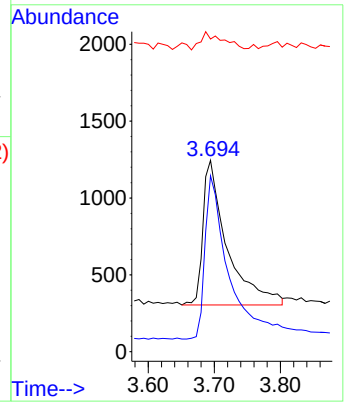


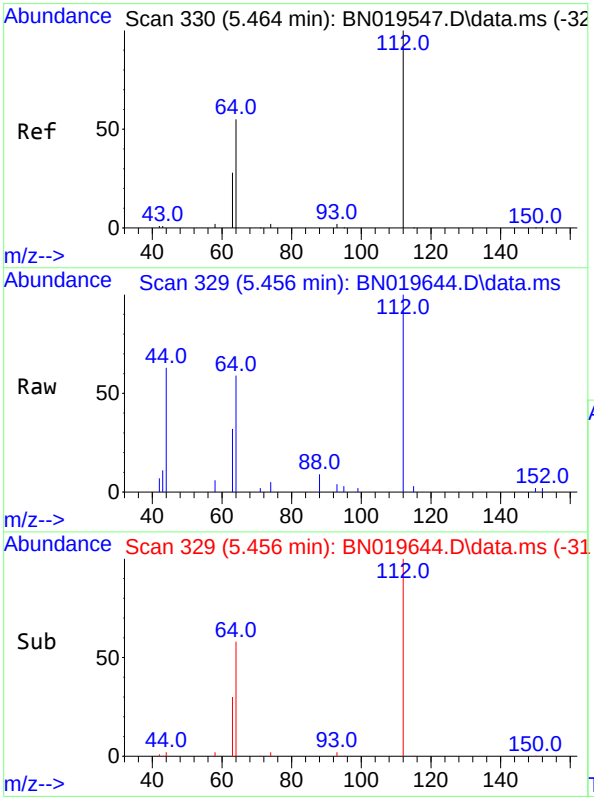
#3
n-Nitrosodimethylamine
Concen: 0.459 ng
RT: 3.694 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion: 42 Resp: 2390

Ion	Ratio	Lower	Upper
42	100		
74	111.6	101.8	152.6
44	11.5	8.4	12.6

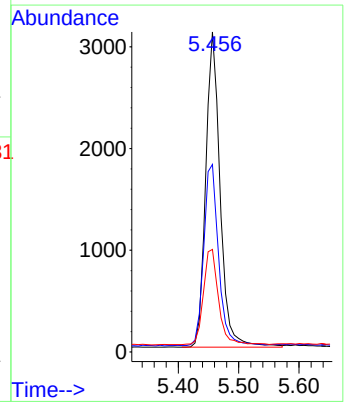


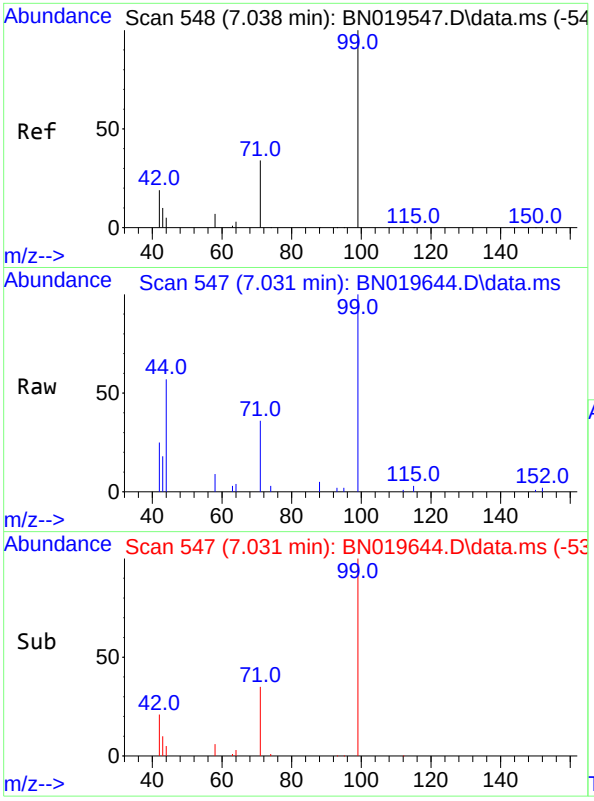


#4
2-Fluorophenol
Concen: 0.364 ng
RT: 5.456 min Scan# 329
Delta R.T. -0.007 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:112 Resp: 5129

Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.3	70.9
63	31.4	24.6	36.8



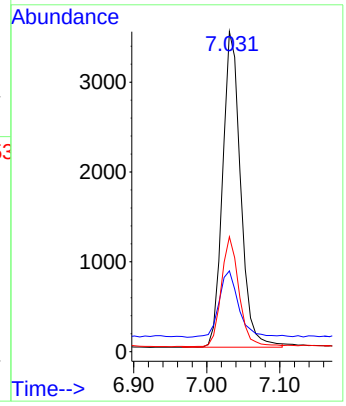


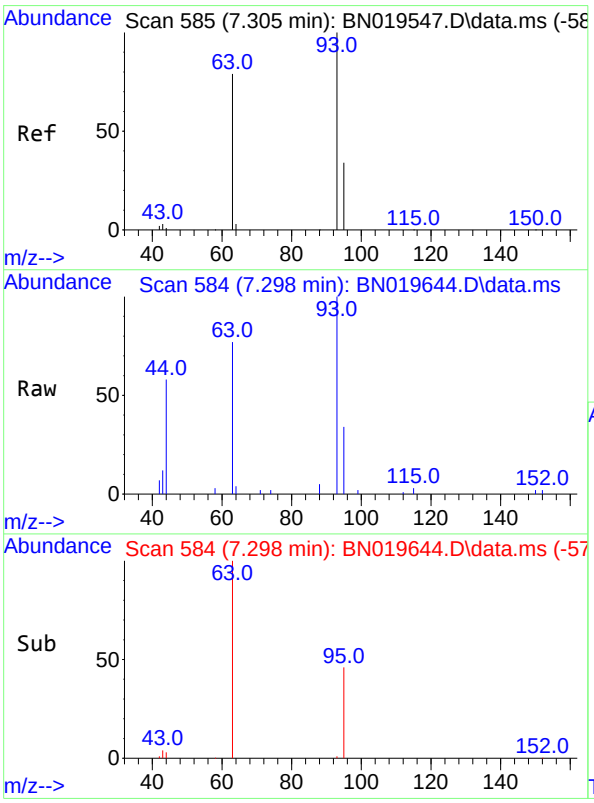
#5
Phenol-d6
Concen: 0.357 ng
RT: 7.031 min Scan# 54
Delta R.T. -0.007 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion: 99 Resp: 6012

Ion	Ratio	Lower	Upper
99	100		
42	22.7	15.8	23.8
71	34.1	26.5	39.7

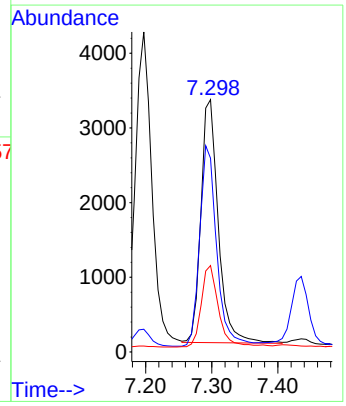


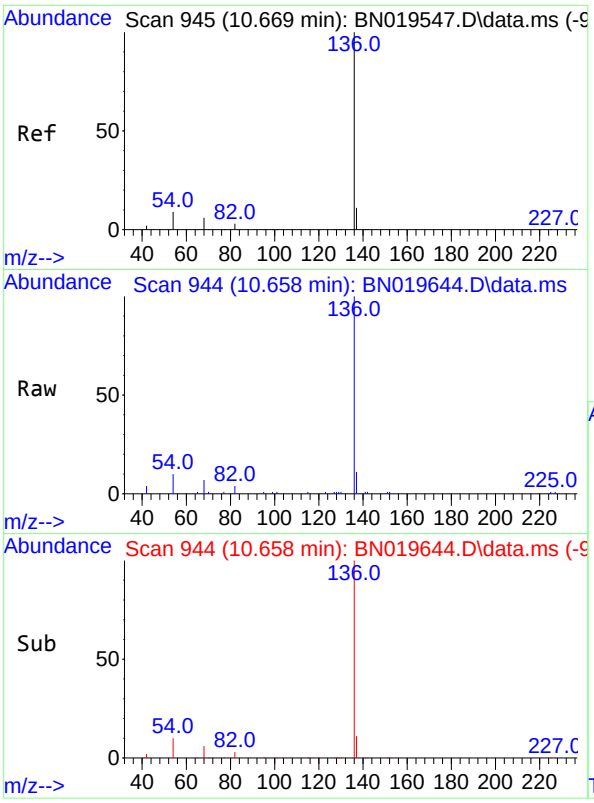


#6
bis(2-Chloroethyl)ether
Concen: 0.414 ng
RT: 7.298 min Scan# 584
Delta R.T. -0.007 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion: 93 Resp: 5947

Ion	Ratio	Lower	Upper
93	100		
63	81.8	65.8	98.8
95	33.5	27.4	41.2



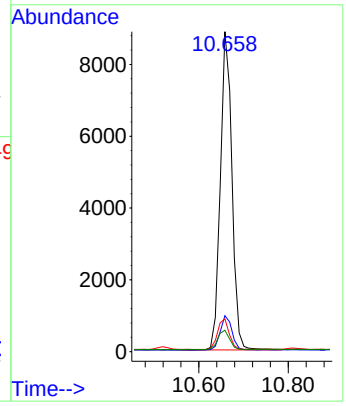


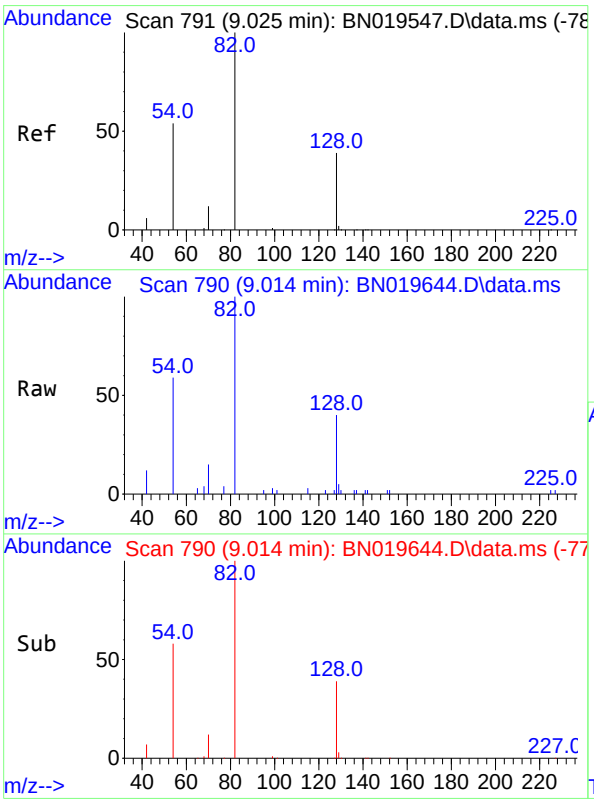
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.658 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:136 Resp: 15959

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.3	7.8	11.6
68	6.7	5.4	8.2

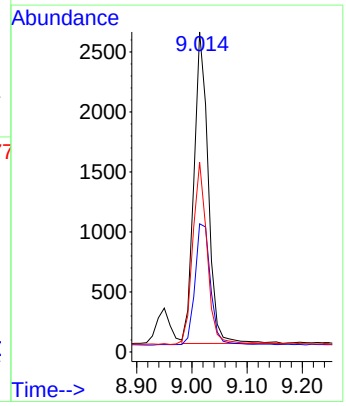


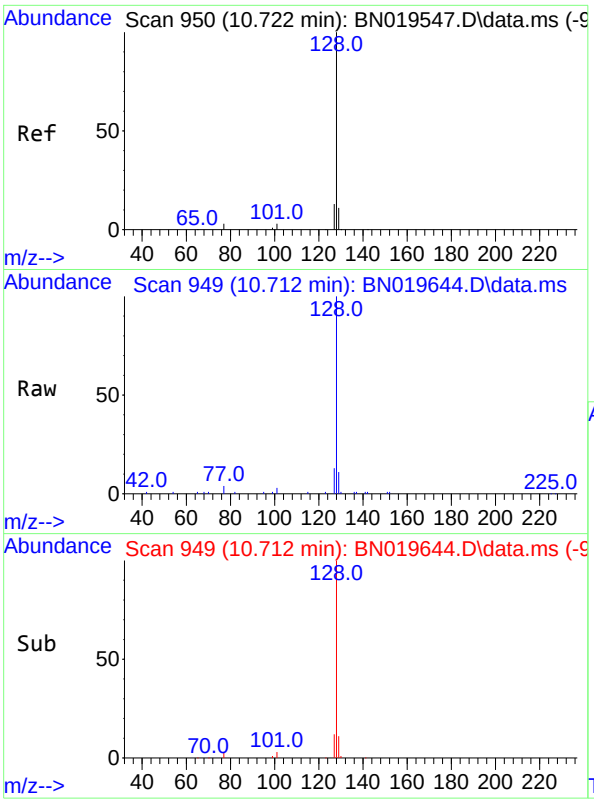


#8
Nitrobenzene-d5
Concen: 0.409 ng
RT: 9.014 min Scan# 790
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion: 82 Resp: 4641

Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.4	48.6
54	59.3	44.4	66.6



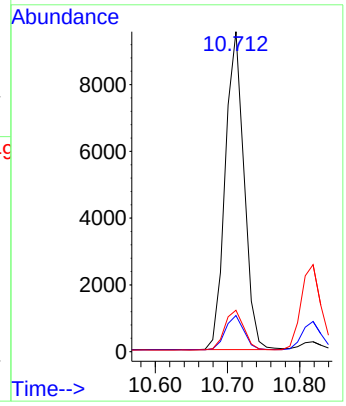


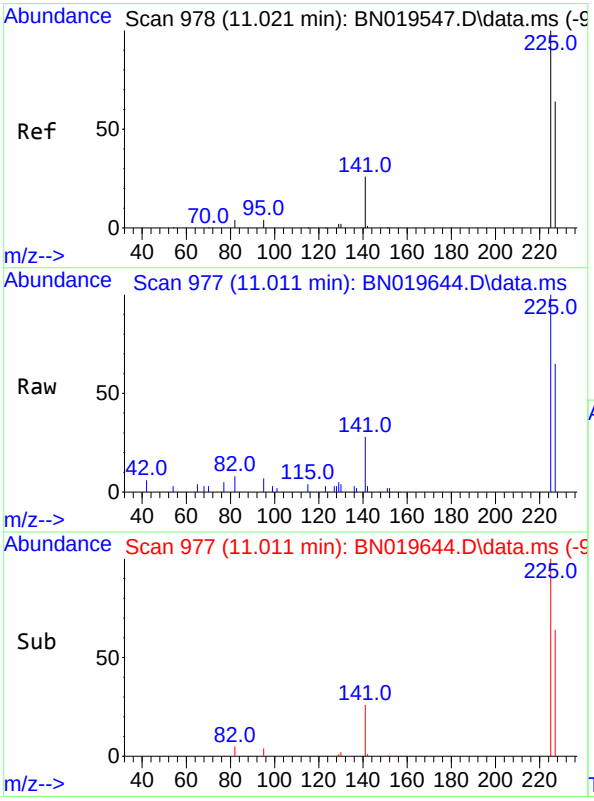
#9
Naphthalene
Concen: 0.377 ng
RT: 10.712 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:128 Resp: 17193

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	12.9	10.8	16.2

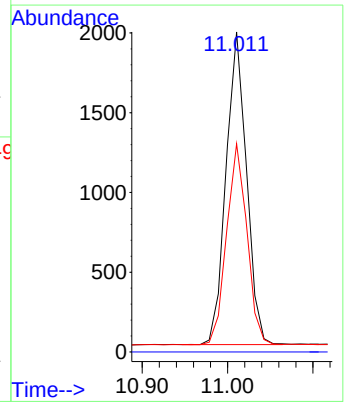


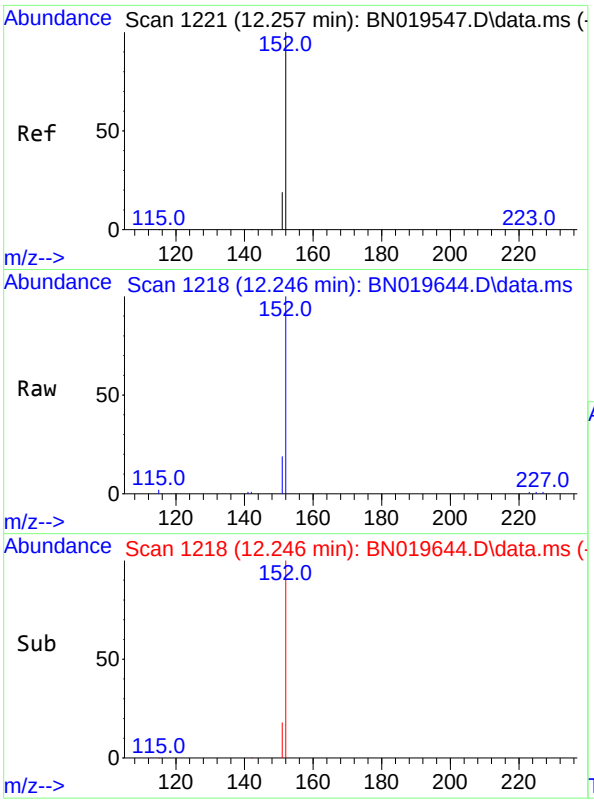


#10
Hexachlorobutadiene
Concen: 0.378 ng
RT: 11.011 min Scan# 977
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:225 Resp: 3263

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.8	76.2



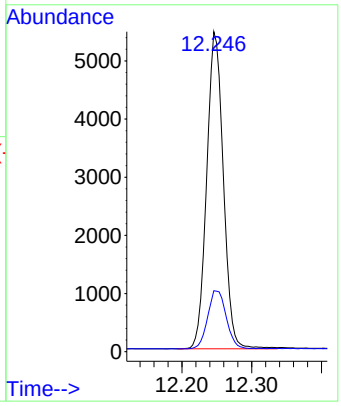


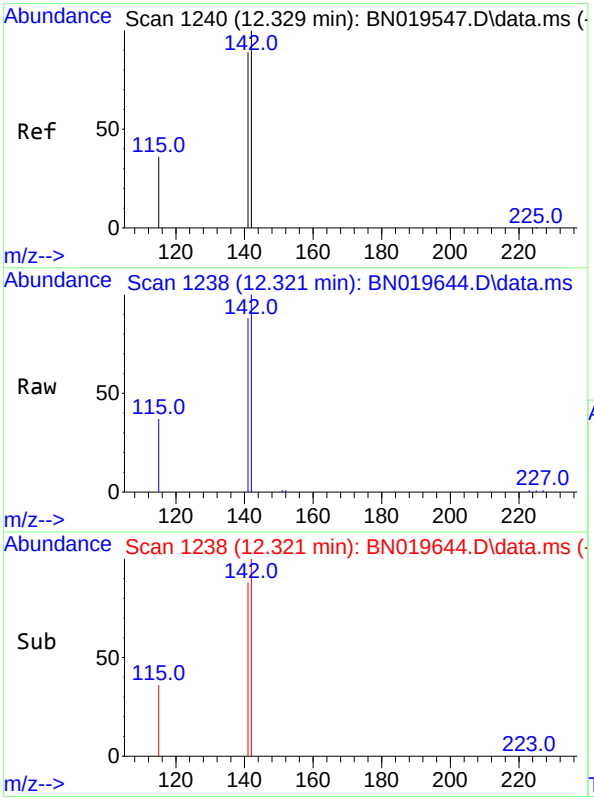
#11
2-Methylnaphthalene-d10
Concen: 0.365 ng
RT: 12.246 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:152 Resp: 9029

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4

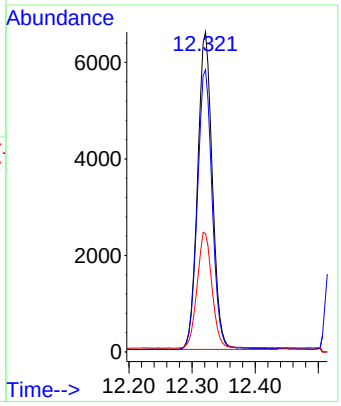


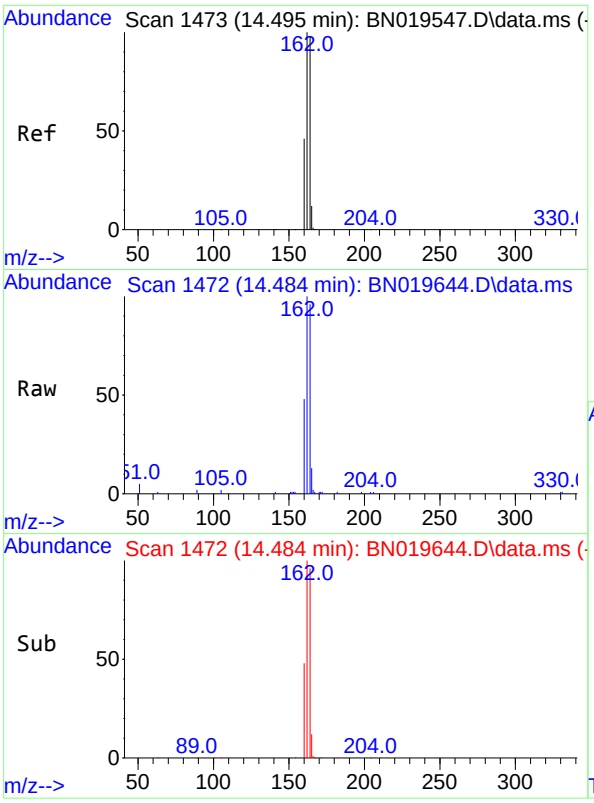


#12
2-Methylnaphthalene
Concen: 0.373 ng
RT: 12.321 min Scan# 1238
Delta R.T. -0.008 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:142 Resp: 10714

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.6
115	37.0	29.6	44.4



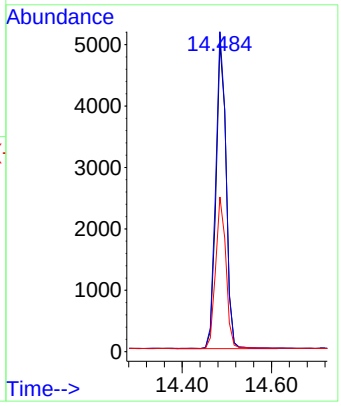


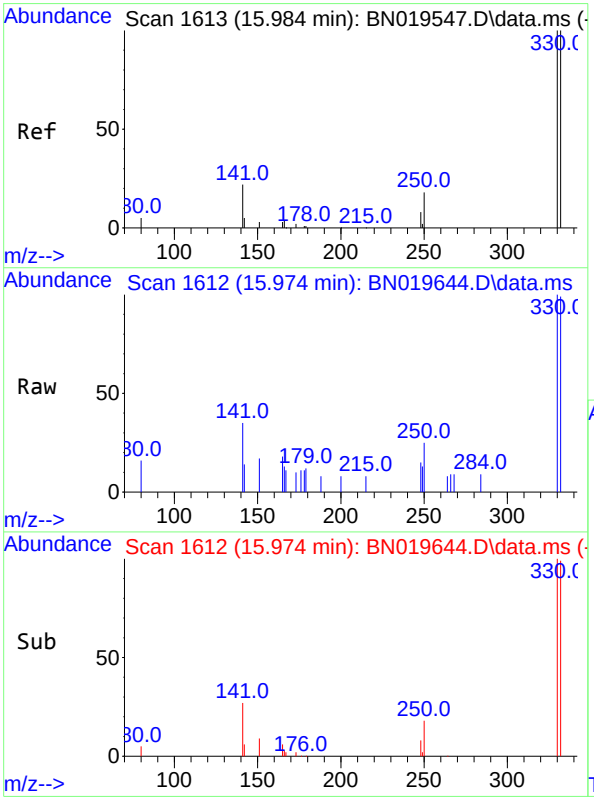
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:164 Resp: 7924

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.8	122.6
160	50.2	38.3	57.5

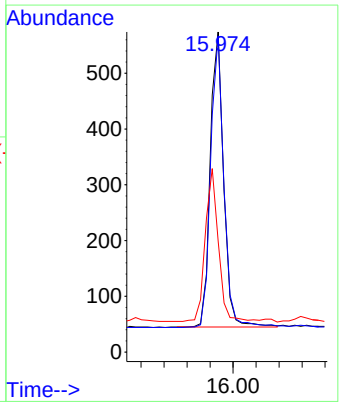


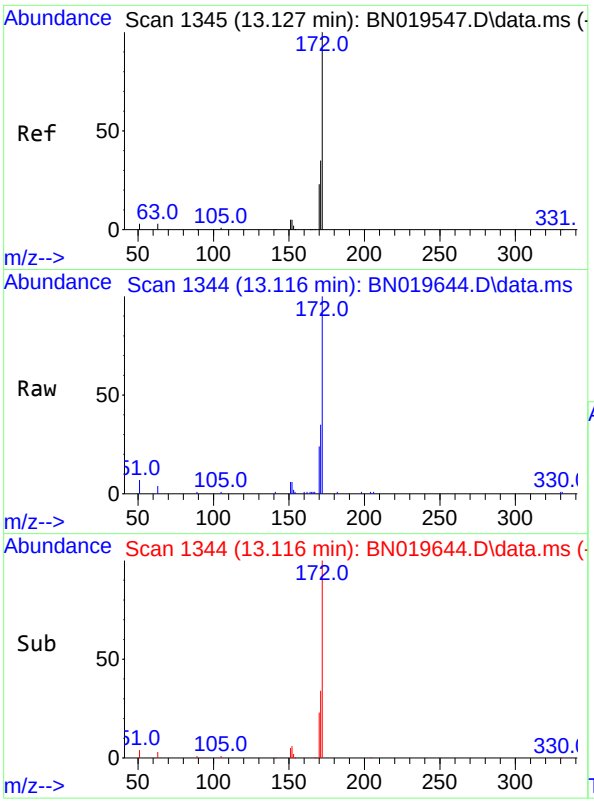


#14
2,4,6-Tribromophenol
Concen: 0.336 ng
RT: 15.974 min Scan# 1612
Delta R.T. -0.010 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:330 Resp: 853

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.2	114.4
141	50.8	39.7	59.5



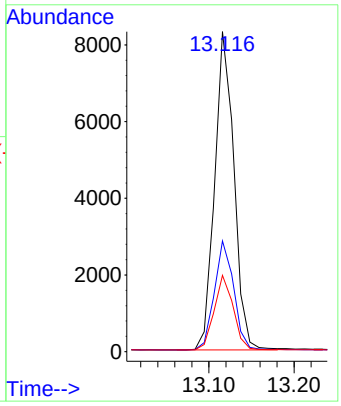


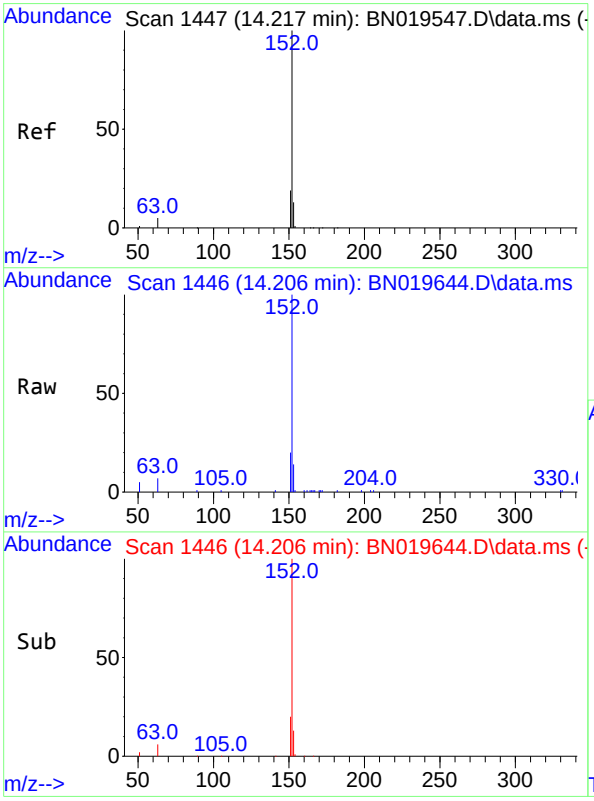
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 13.116 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:172 Resp: 13023

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.0	42.0
170	23.8	19.0	28.4

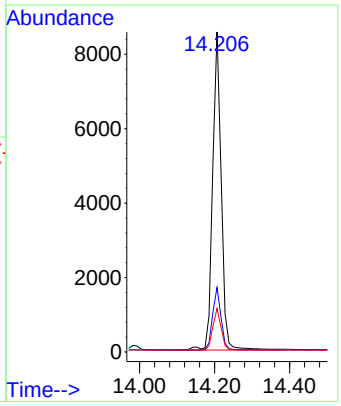


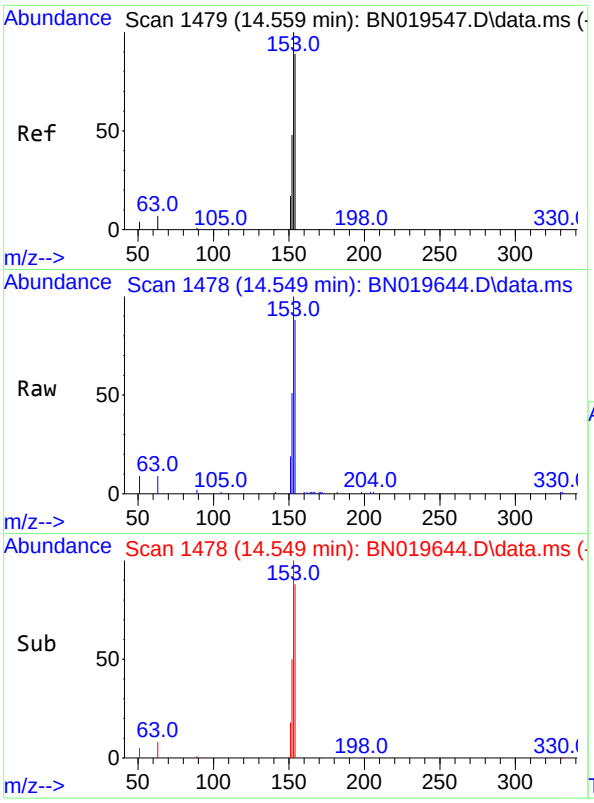


#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.206 min Scan# 1446
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:152 Resp: 13654

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.4
153	12.9	10.5	15.7



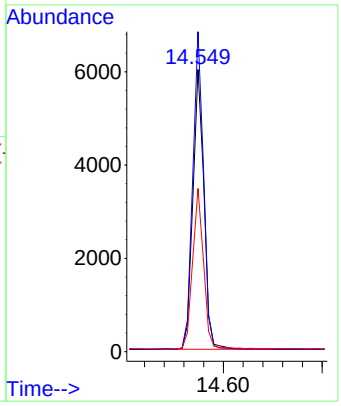


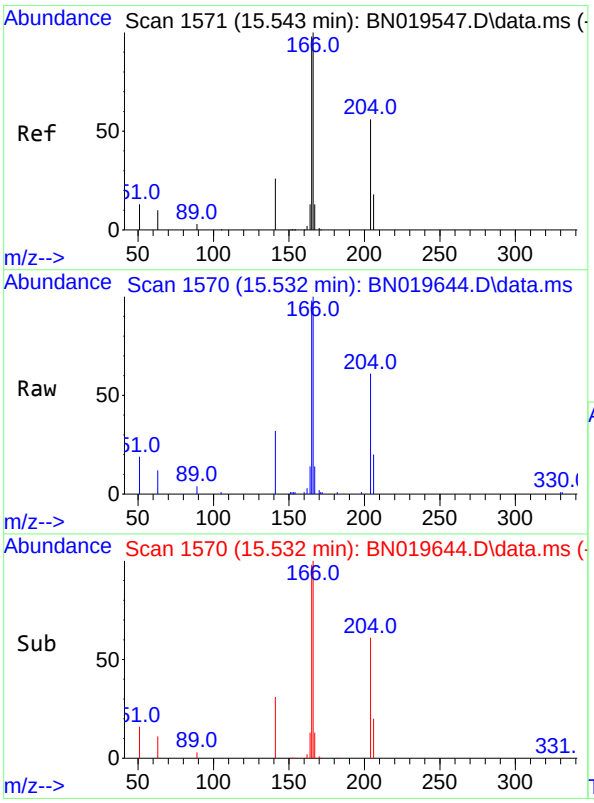
#17
Acenaphthene
Concen: 0.364 ng
RT: 14.549 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:154 Resp: 9297

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.3	133.9
152	56.7	44.1	66.1

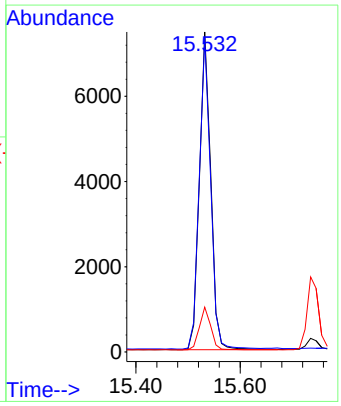


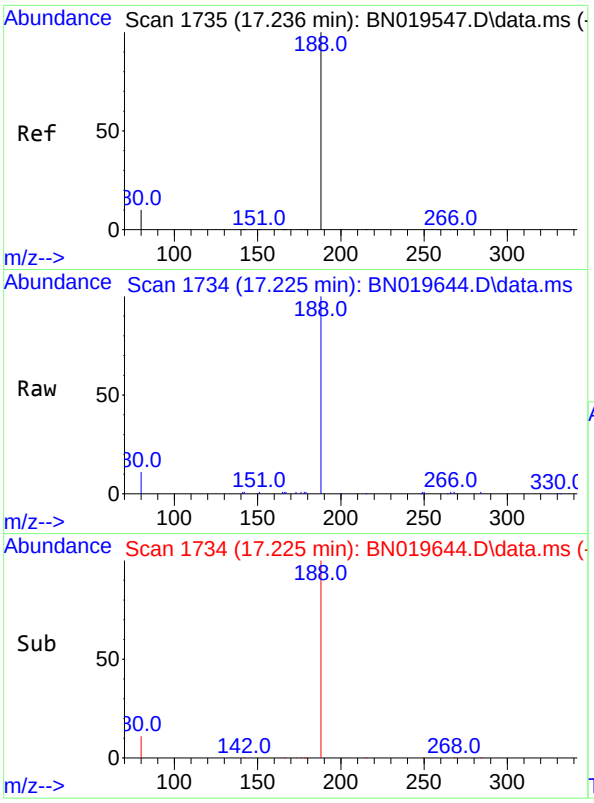


#18
Fluorene
Concen: 0.360 ng
RT: 15.532 min Scan# 1570
Delta R.T. -0.011 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:166 Resp: 11261

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.1	118.7
167	13.5	10.7	16.1



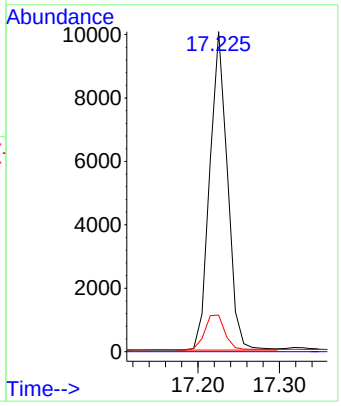


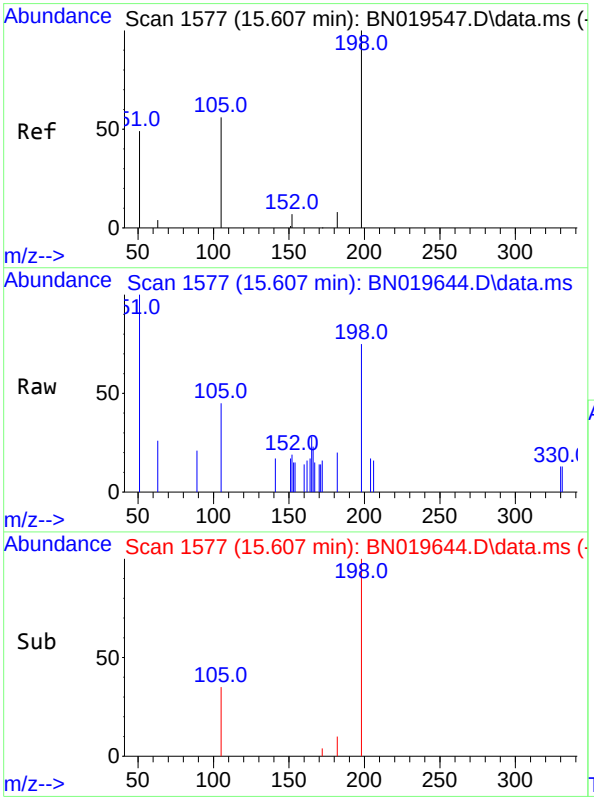
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.225 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:188 Resp: 15178

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.5	8.6	12.8

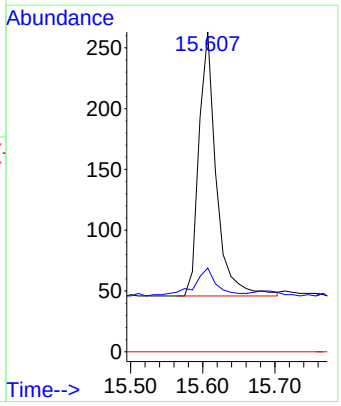


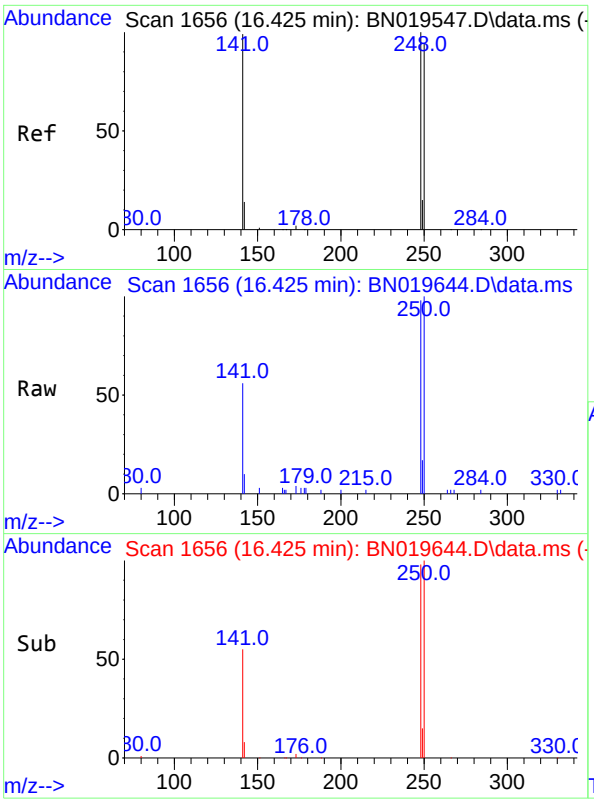


#20
4,6-Dinitro-2-methylphenol
Concen: 0.280 ng
RT: 15.607 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:198 Resp: 363

Ion	Ratio	Lower	Upper
198	100		
182	26.2	16.9	25.3#
77	0.0	0.0	0.0



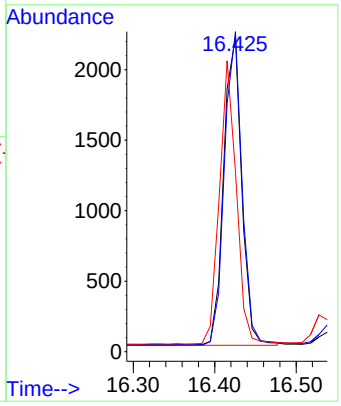


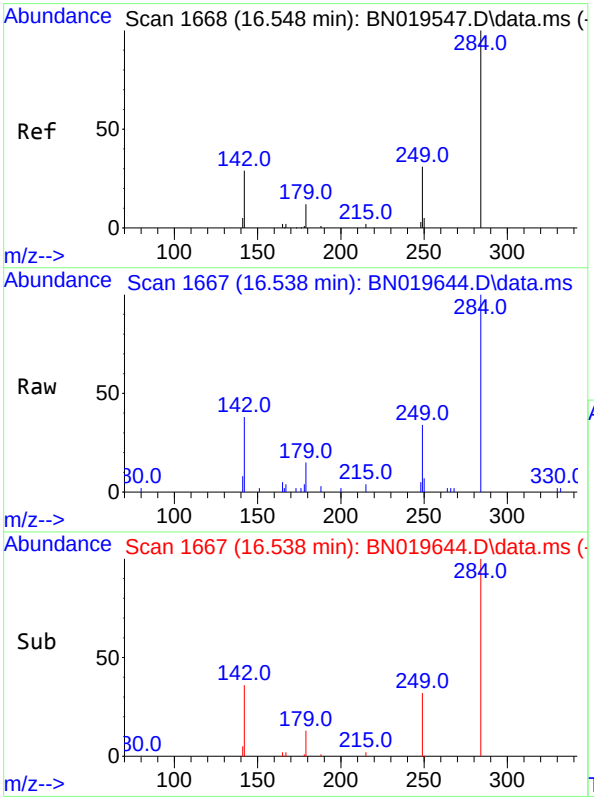
#21
4-Bromophenyl-phenylether
Concen: 0.362 ng
RT: 16.425 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:248 Resp: 3368

Ion	Ratio	Lower	Upper
248	100		
250	101.8	75.5	113.3
141	57.4	79.9	119.9#

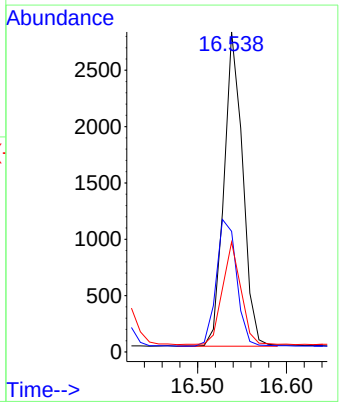


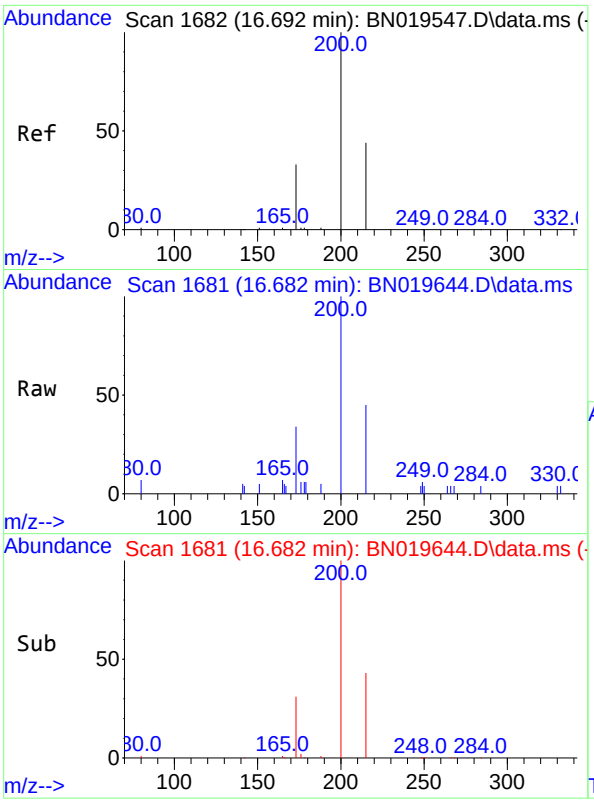


#22
Hexachlorobenzene
Concen: 0.375 ng
RT: 16.538 min Scan# 1667
Delta R.T. -0.010 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:284 Resp: 4074

Ion	Ratio	Lower	Upper
284	100		
142	44.0	33.2	49.8
249	32.4	26.4	39.6



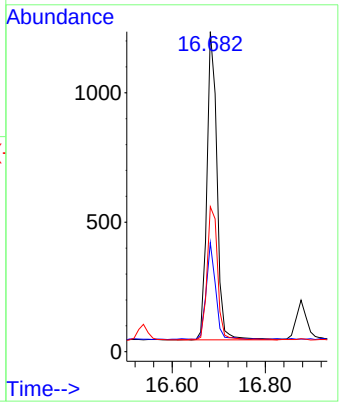


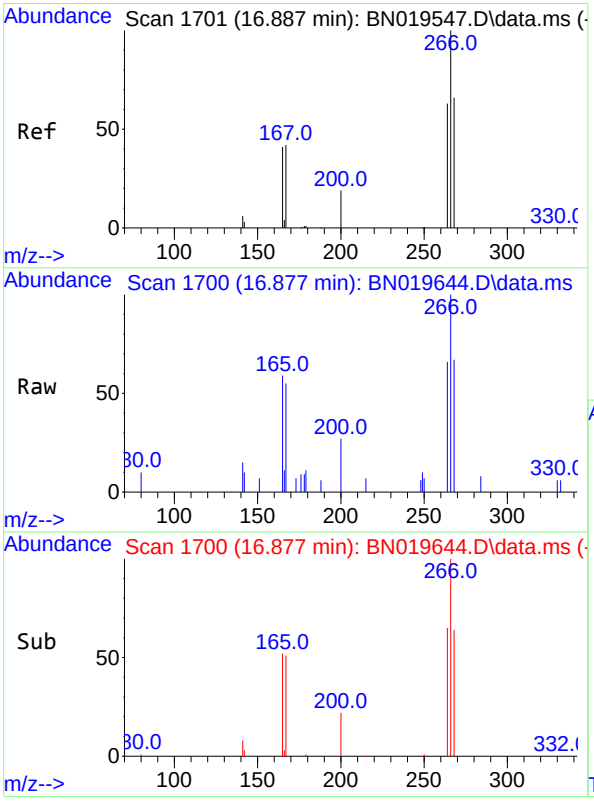
#23
Atrazine
Concen: 0.322 ng
RT: 16.682 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:200 Resp: 1775

Ion	Ratio	Lower	Upper
200	100		
173	34.1	28.5	42.7
215	45.3	37.0	55.4

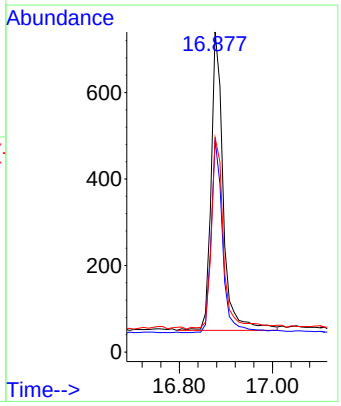


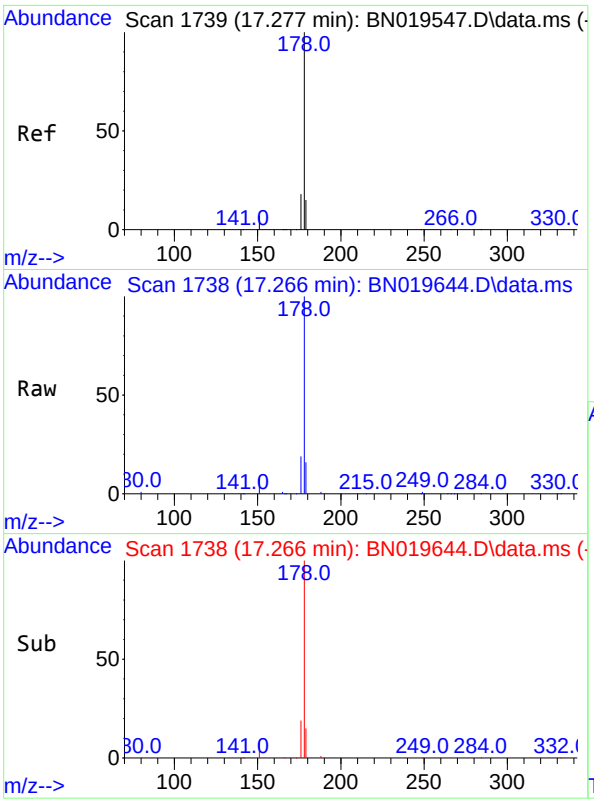


#24
Pentachlorophenol
Concen: 0.339 ng
RT: 16.877 min Scan# 1700
Delta R.T. -0.010 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:266 Resp: 1243

Ion	Ratio	Lower	Upper
266	100		
264	61.5	48.0	72.0
268	66.0	54.2	81.2



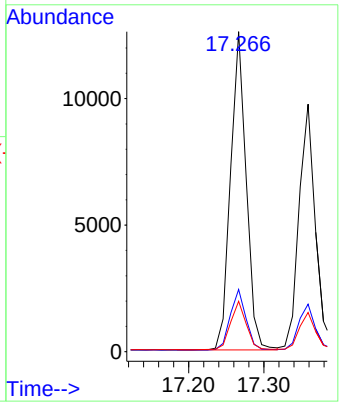


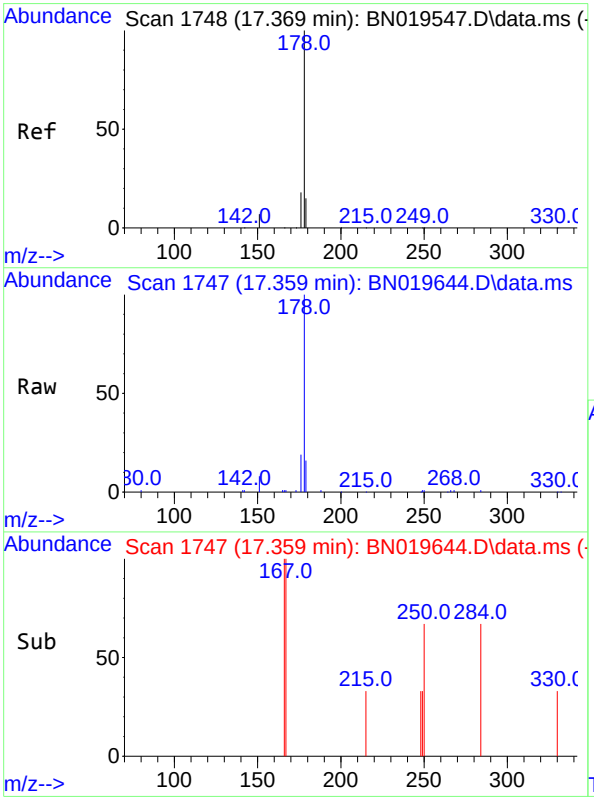
#25
Phenanthrene
Concen: 0.359 ng
RT: 17.266 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:178 Resp: 18233

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.5	12.1	18.1

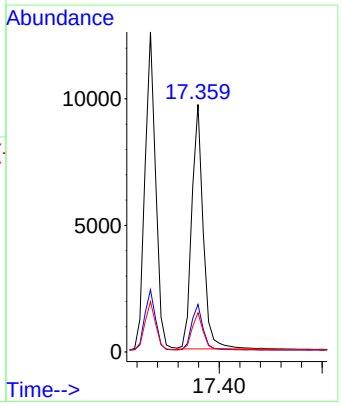


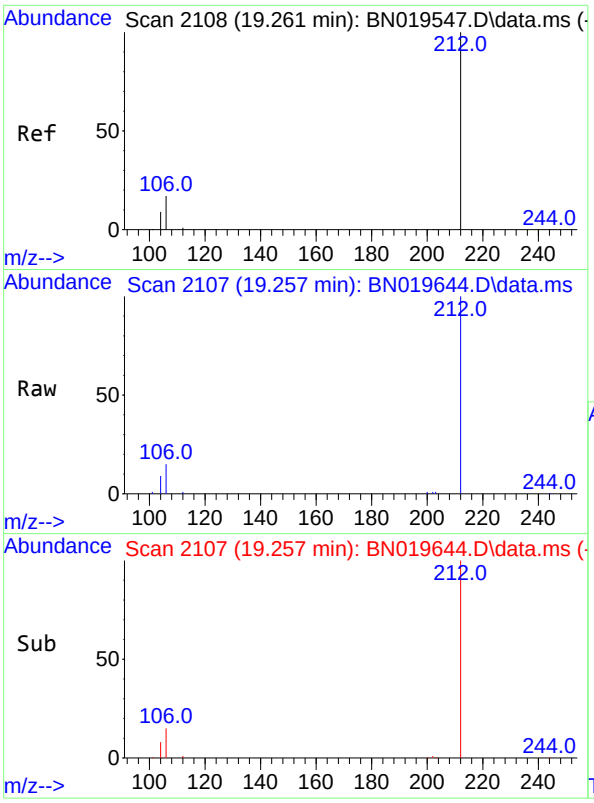


#26
Anthracene
Concen: 0.354 ng
RT: 17.359 min Scan# 1747
Delta R.T. -0.010 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:178 Resp: 14875

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.3	21.5
179	14.9	12.2	18.4



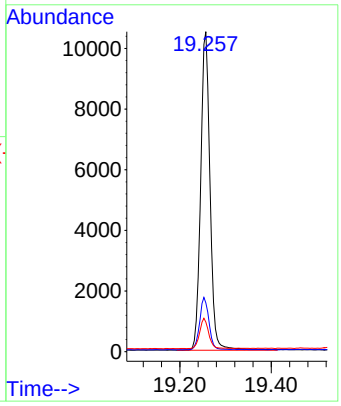


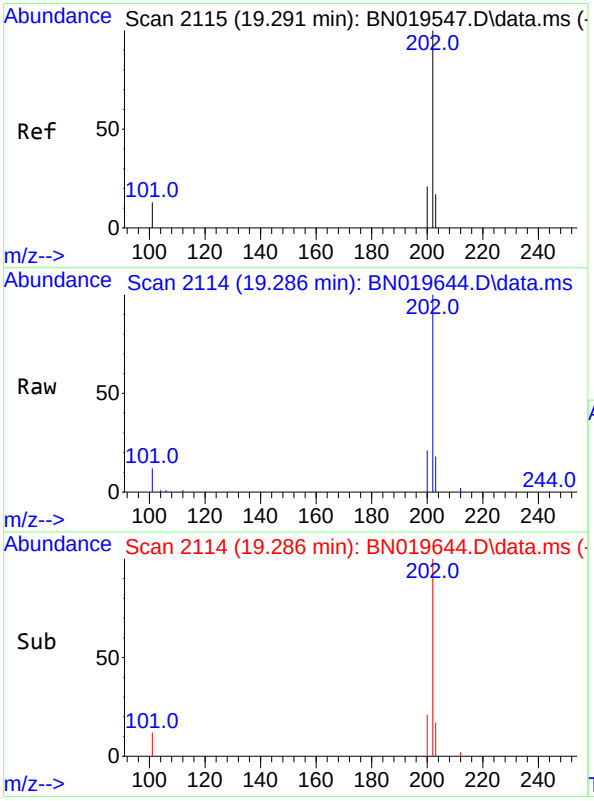
#27
Fluoranthene-d10
Concen: 0.346 ng
RT: 19.257 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:212 Resp: 14942

Ion	Ratio	Lower	Upper
212	100		
106	16.3	13.5	20.3
104	9.2	7.6	11.4

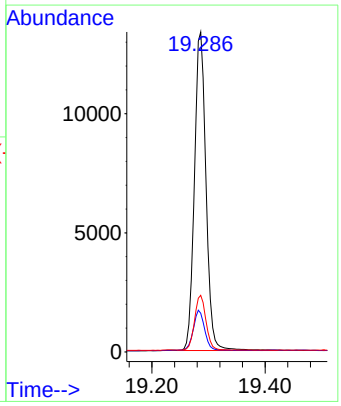


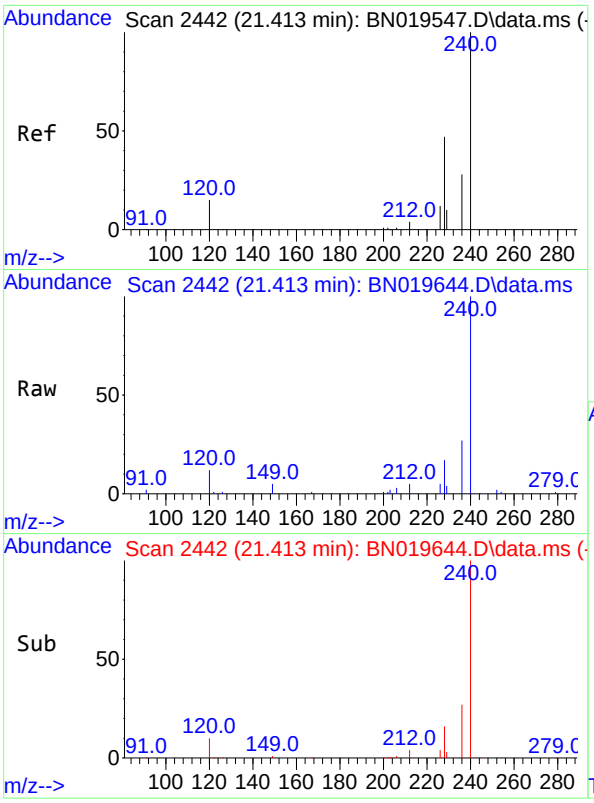


#28
Fluoranthene
Concen: 0.347 ng
RT: 19.286 min Scan# 2114
Delta R.T. -0.004 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:202 Resp: 19063

Ion	Ratio	Lower	Upper
202	100		
101	12.7	10.6	15.8
203	16.9	13.6	20.4



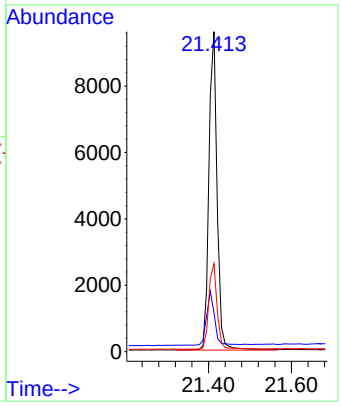


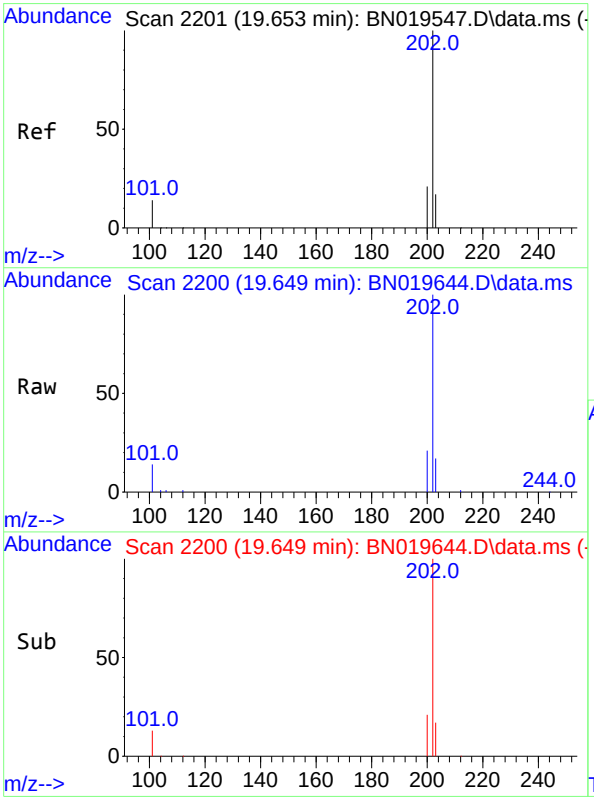
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.413 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:240 Resp: 13189

Ion	Ratio	Lower	Upper
240	100		
120	12.0	17.4	26.2#
236	27.5	23.0	34.4

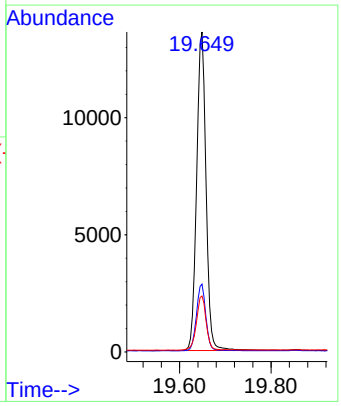


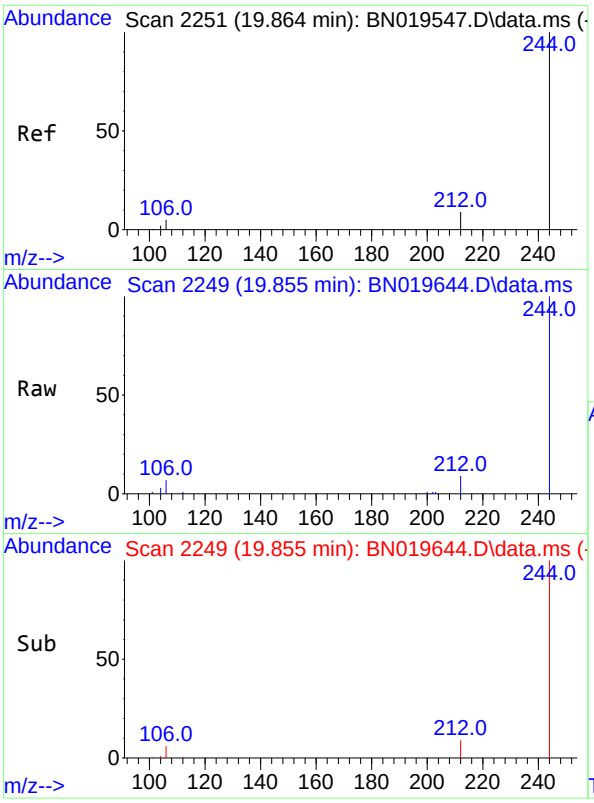


#30
Pyrene
Concen: 0.361 ng
RT: 19.649 min Scan# 2200
Delta R.T. -0.004 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:202 Resp: 19509

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.4	14.2	21.4



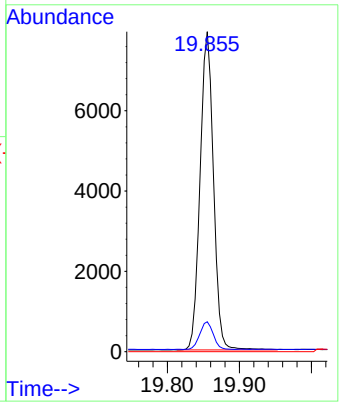


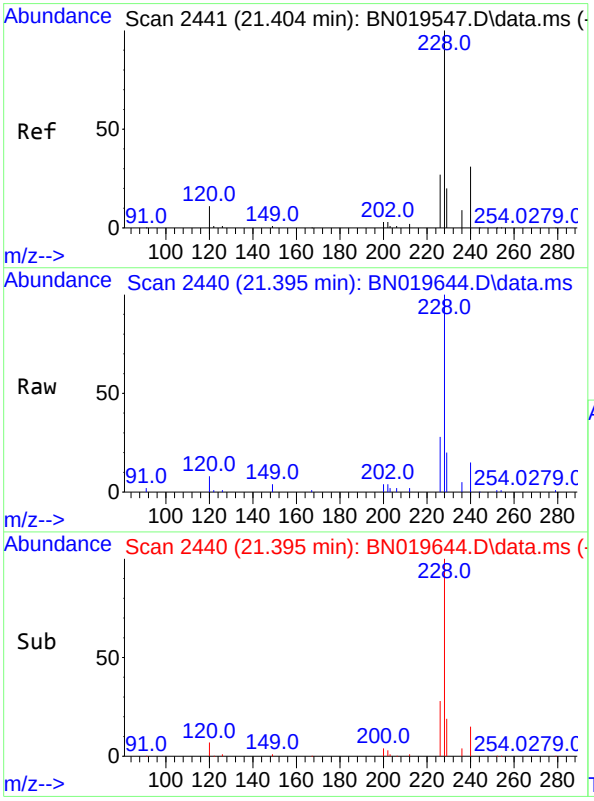
#31
Terphenyl-d14
Concen: 0.351 ng
RT: 19.855 min Scan# 2
Delta R.T. -0.008 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:244 Resp: 10193

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.6	11.4
122	0.0	0.0	0.0

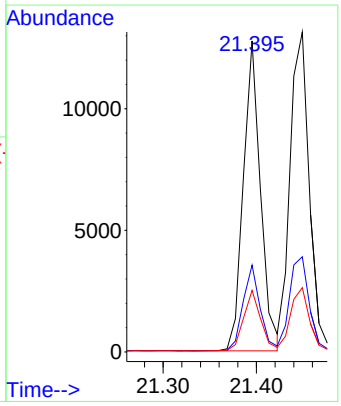


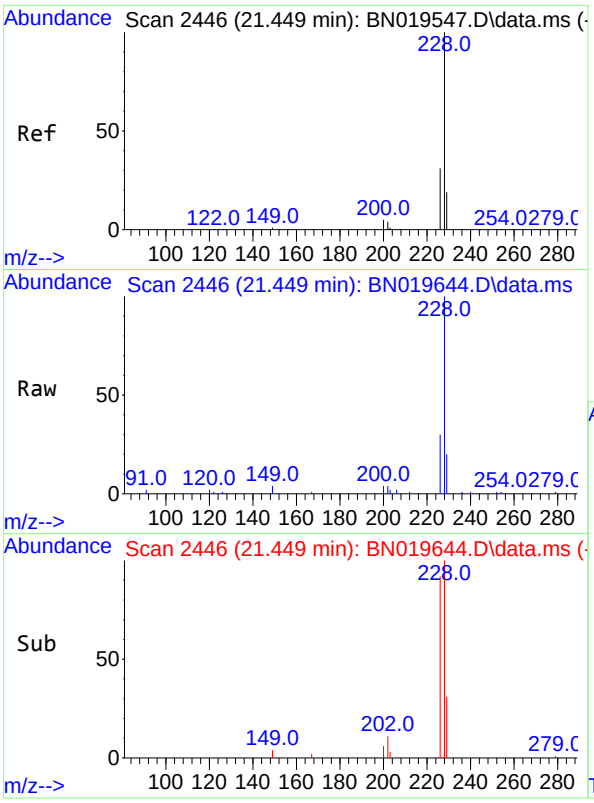


#32
Benzo(a)anthracene
Concen: 0.344 ng
RT: 21.395 min Scan# 2440
Delta R.T. -0.009 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:228 Resp: 16359

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.6	32.4
229	19.8	16.5	24.7



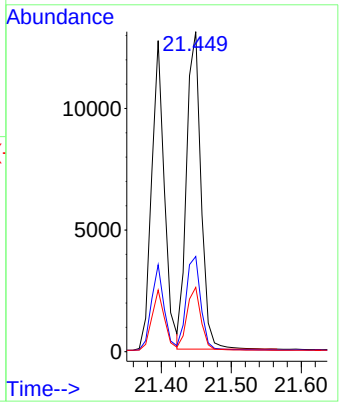


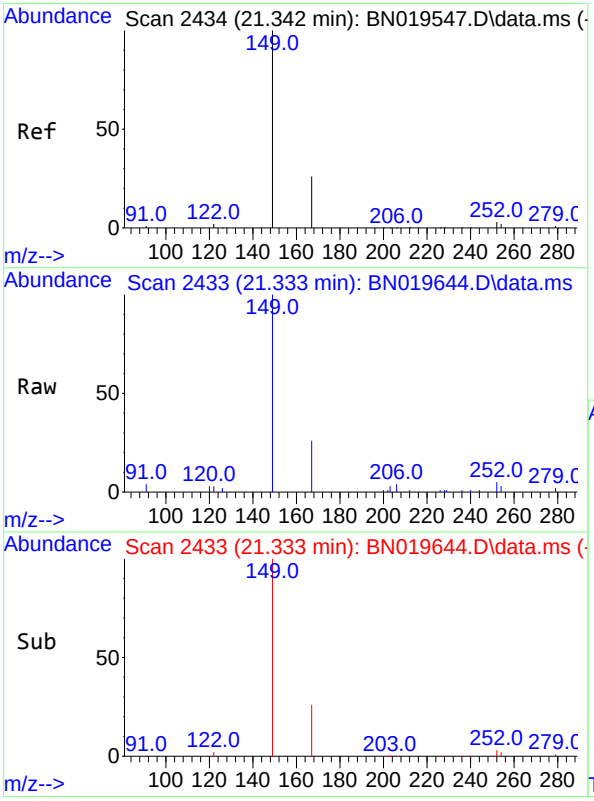
#33
Chrysene
Concen: 0.359 ng
RT: 21.449 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:228 Resp: 18656

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	36.8
229	20.1	15.9	23.9

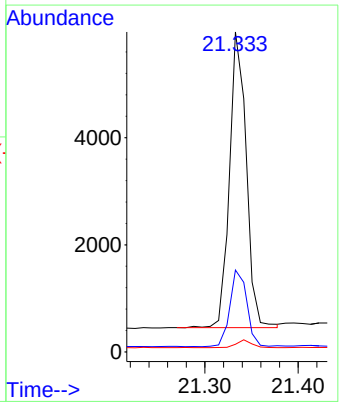


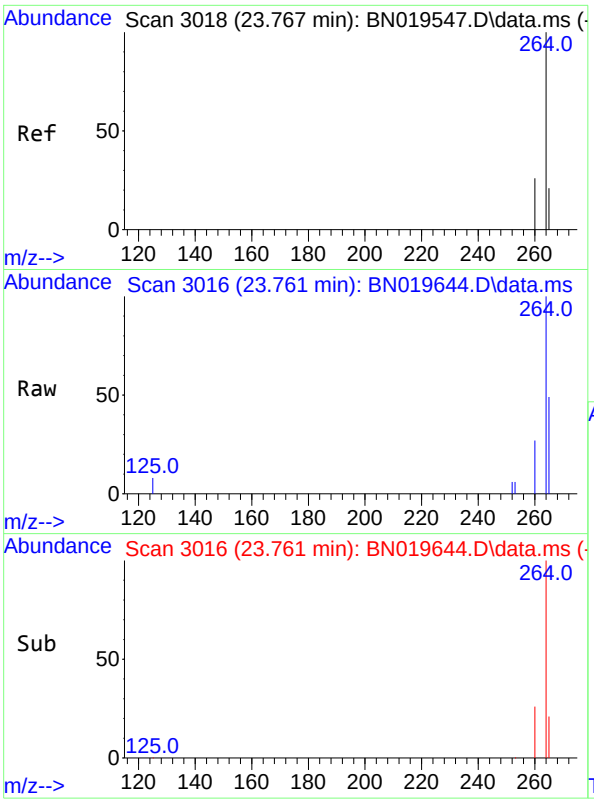


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.316 ng
RT: 21.333 min Scan# 2433
Delta R.T. -0.009 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:149 Resp: 6879

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.7	32.5
279	2.5	2.8	4.2#



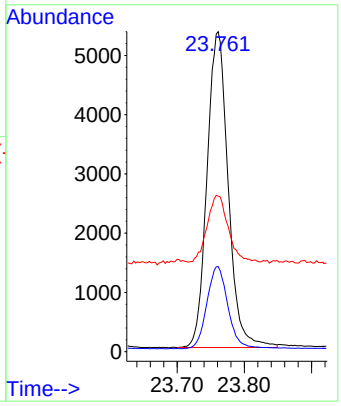


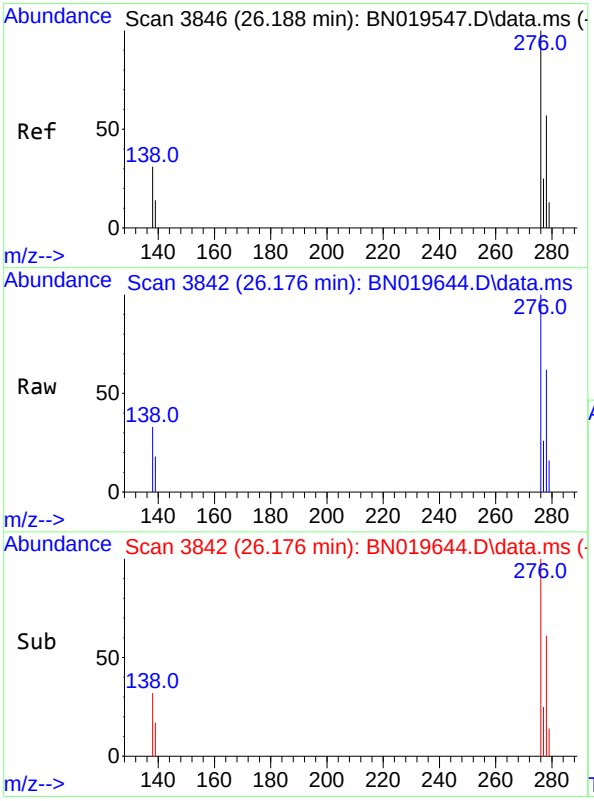
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.761 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:264 Resp: 11654

Ion	Ratio	Lower	Upper
264	100		
260	26.6	21.0	31.6
265	48.6	67.9	101.9#

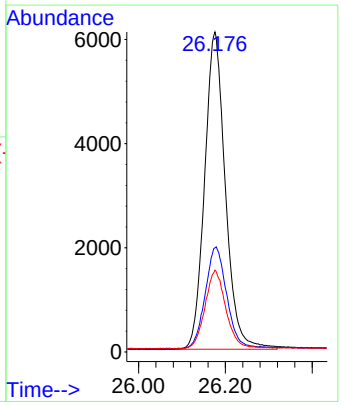


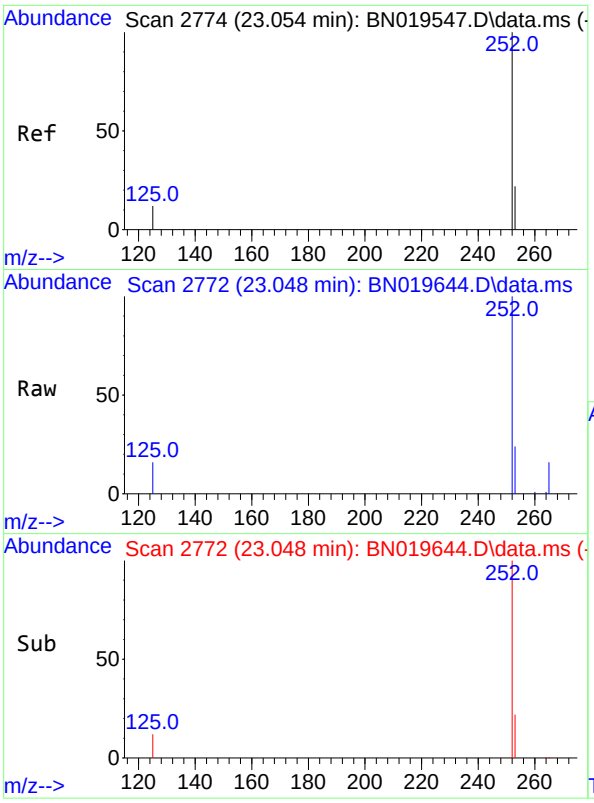


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.361 ng
RT: 26.176 min Scan# 3842
Delta R.T. -0.012 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:276 Resp: 20204

Ion	Ratio	Lower	Upper
276	100		
138	33.0	26.6	40.0
277	24.9	20.0	30.0



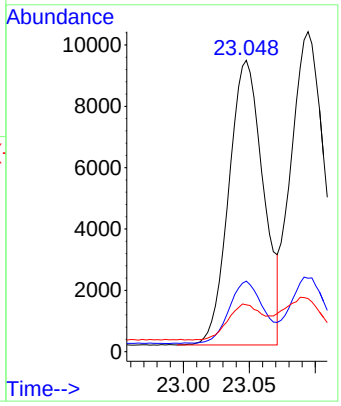


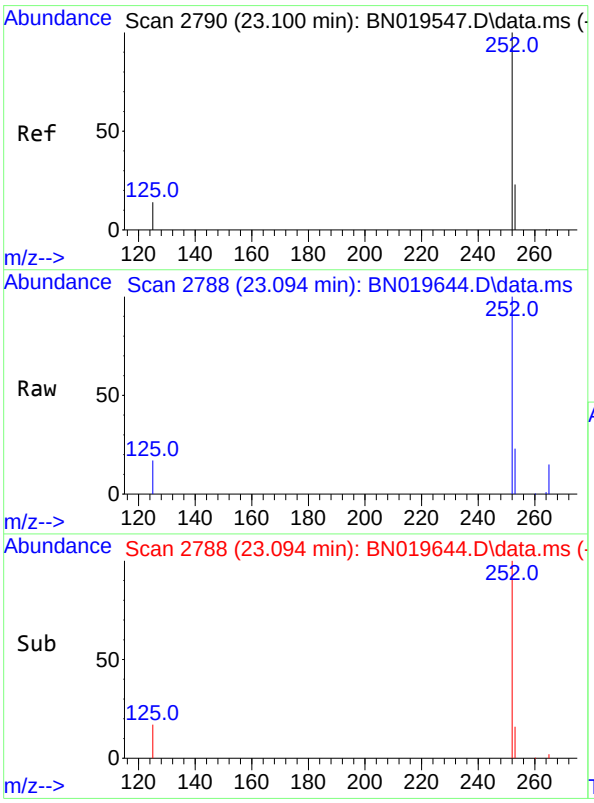
#37
Benzo(b)fluoranthene
Concen: 0.355 ng
RT: 23.048 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:252 Resp: 16889

Ion	Ratio	Lower	Upper
252	100		
253	24.2	21.2	31.8
125	16.1	15.9	23.9

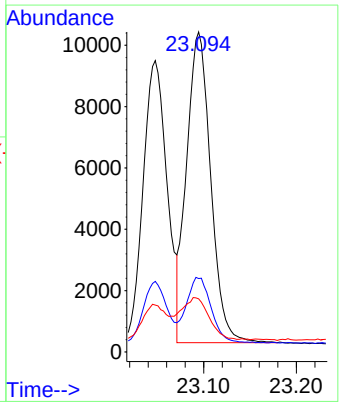


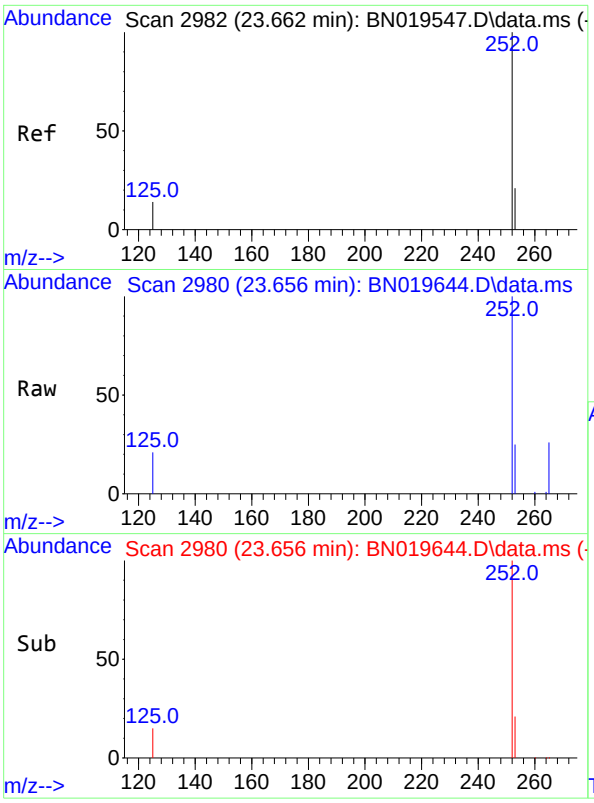


#38
Benzo(k)fluoranthene
Concen: 0.381 ng
RT: 23.094 min Scan# 2788
Delta R.T. -0.006 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:252 Resp: 18293

Ion	Ratio	Lower	Upper
252	100		
253	23.0	21.7	32.5
125	16.6	17.0	25.4#



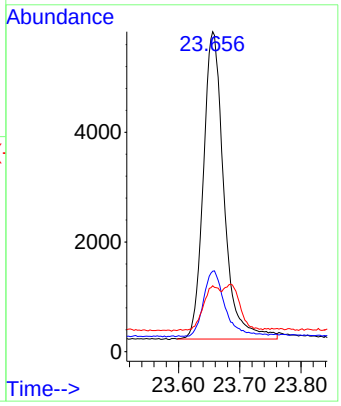


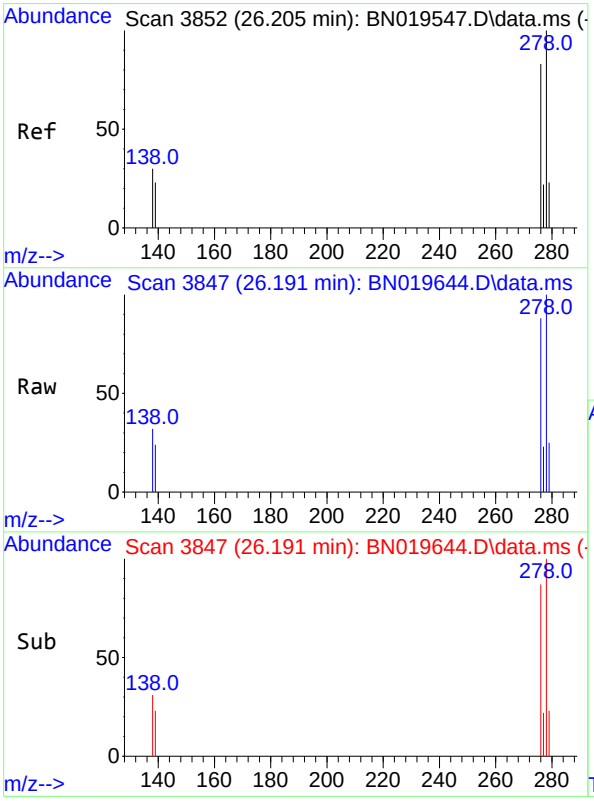
#39
Benzo(a)pyrene
Concen: 0.353 ng
RT: 23.656 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:252 Resp: 13078

Ion	Ratio	Lower	Upper
252	100		
253	25.1	23.1	34.7
125	20.6	20.4	30.6

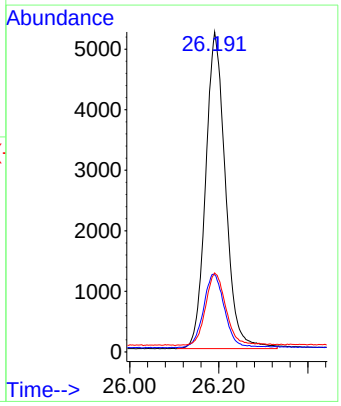


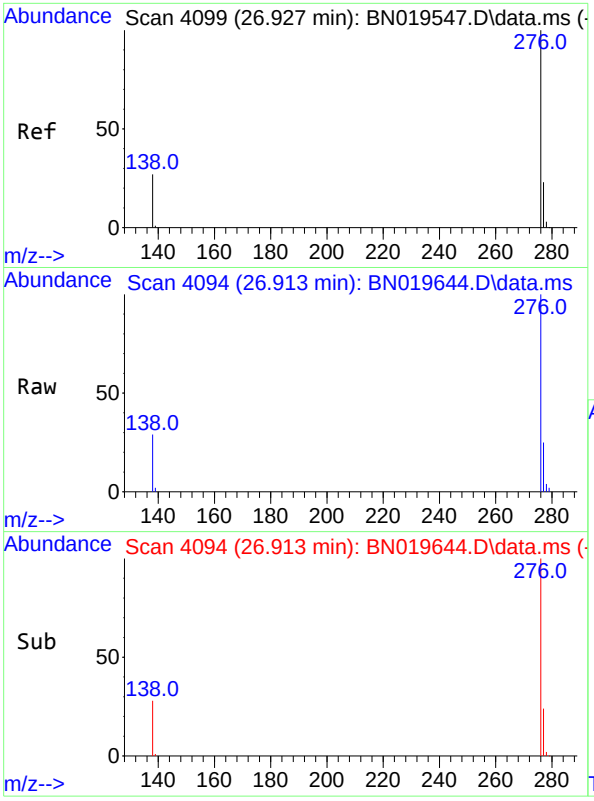


#40
Dibenzo(a,h)anthracene
Concen: 0.355 ng
RT: 26.191 min Scan# 3847
Delta R.T. -0.015 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Tgt Ion:278 Resp: 16167

Ion	Ratio	Lower	Upper
278	100		
139	24.1	19.4	29.2
279	24.7	21.8	32.8





#41
Benzo(g,h,i)perylene
Concen: 0.344 ng
RT: 26.913 min Scan# 4
Delta R.T. -0.015 min
Lab File: BN019644.D
Acq: 03 May 2022 11:05

Instrument :
BNA_N
ClientSampleId :
PB144494BS

Tgt Ion:276 Resp: 16614

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.2	30.2
138	28.8	23.5	35.3