Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040622\
Data File : BN019366.D
Acq On : 06 Apr 2022 12:12
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 07 05:27:53 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 04 17:40:00 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	3142	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	10327	0.400	ng	# 0.00
13) Acenaphthene-d10	14.463	164	7276	0.400	ng	0.00
19) Phenanthrene-d10	17.205	188	16156	0.400	ng	# 0.00
29) Chrysene-d12	21.387	240	14828	0.400	ng	# 0.00
35) Perylene-d12	23.738	264	12869	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	3567	0.424	ng	0.00
5) Phenol-d6	6.988	99	4600	0.454	ng	0.00
8) Nitrobenzene-d5	8.971	82	3621	0.386	ng	-0.01
11) 2-Methylnaphthalene-d10	12.220	152	7380	0.407	ng	0.00
14) 2,4,6-Tribromophenol	15.954	330	1883	0.426	ng	0.00
15) 2-Fluorobiphenyl	13.084	172	11530	0.381	ng	-0.01
27) Fluoranthene-d10	19.236	212	21253	0.408	ng	0.00
31) Terphenyl-d14	19.830	244	12753	0.396	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	1375	0.366	ng	# 92
3) n-Nitrosodimethylamine	3.536	42	2043	0.411	ng	# 96
6) bis(2-Chloroethyl)ether	7.241	93	4294	0.421	ng	98
9) Naphthalene	10.669	128	11841	0.388	ng	98
10) Hexachlorobutadiene	10.968	225	2569	0.387	ng	# 99
12) 2-Methylnaphthalene	12.291	142	8598	0.407	ng	98
16) Acenaphthylene	14.185	152	13797	0.382	ng	99
17) Acenaphthene	14.527	154	9348	0.389	ng	100
18) Fluorene	15.511	166	12403	0.391	ng	99
20) 4,6-Dinitro-2-methylph...	15.596	198	631	0.213	ng	# 50
21) 4-Bromophenyl-phenylether	16.395	248	4219	0.388	ng	# 87
22) Hexachlorobenzene	16.518	284	5039	0.396	ng	99
23) Atrazine	16.662	200	3723	0.415	ng	96
24) Pentachlorophenol	16.867	266	2279	0.460	ng	100
25) Phenanthrene	17.246	178	21313	0.393	ng	100
26) Anthracene	17.338	178	19203	0.403	ng	100
28) Fluoranthene	19.265	202	25979	0.404	ng	99
30) Pyrene	19.628	202	26934	0.390	ng	100
32) Benzo(a)anthracene	21.378	228	23004	0.420	ng	99
33) Chrysene	21.422	228	23520	0.386	ng	99
34) Bis(2-ethylhexyl)phtha...	21.306	149	18878	0.463	ng	99
36) Indeno(1,2,3-cd)pyrene	26.165	276	19704	0.366	ng	97
37) Benzo(b)fluoranthene	23.025	252	20135	0.399	ng	98
38) Benzo(k)fluoranthene	23.074	252	20826	0.395	ng	98
39) Benzo(a)pyrene	23.636	252	17239	0.380	ng	98
40) Dibenzo(a,h)anthracene	26.185	278	15212	0.365	ng	94
41) Benzo(g,h,i)perylene	26.907	276	18612	0.373	ng	99

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

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Instrument :
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Quant Time: Apr 07 05:27:53 2022
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QLast Update : Mon Apr 04 17:40:00 2022
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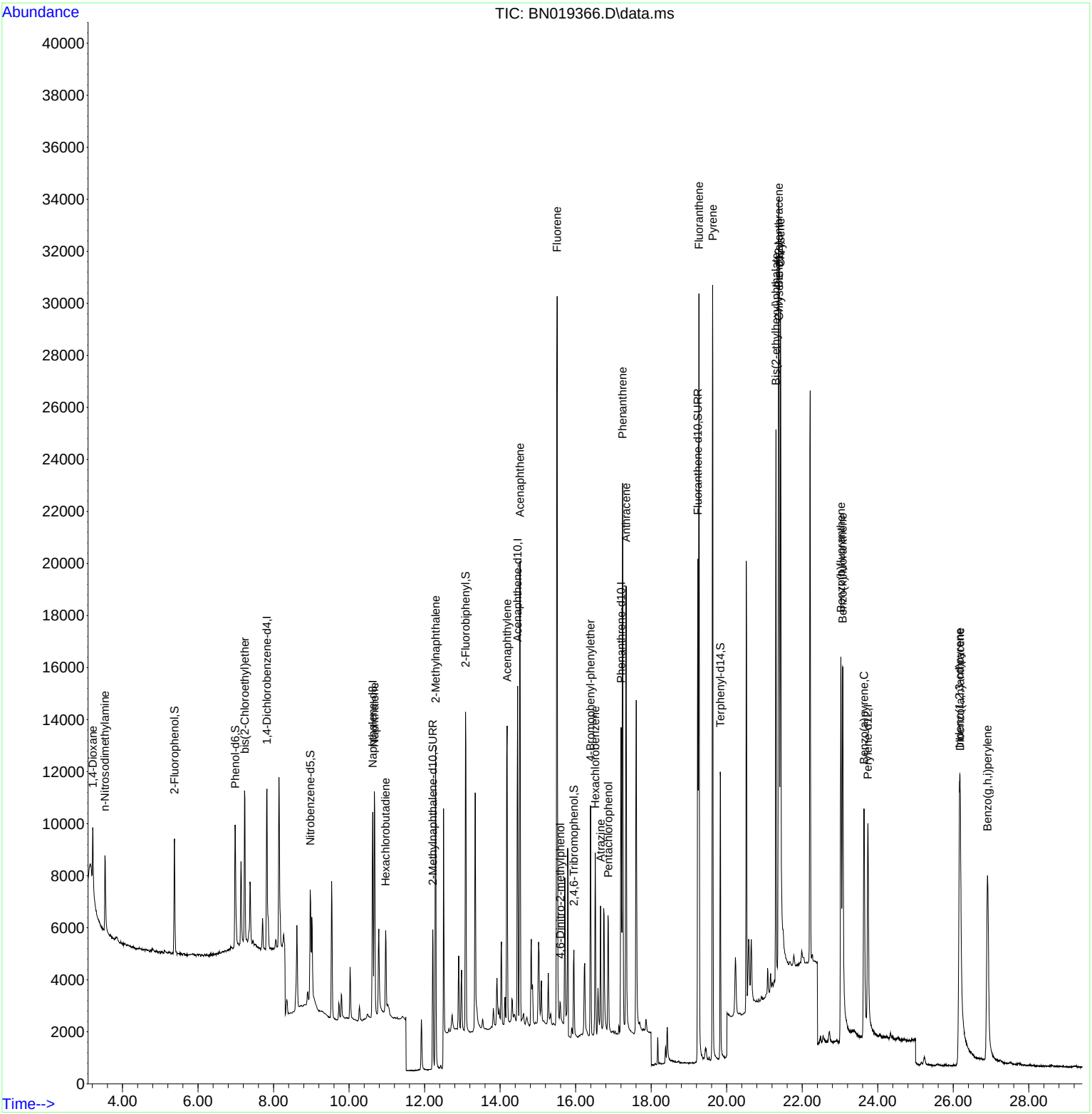
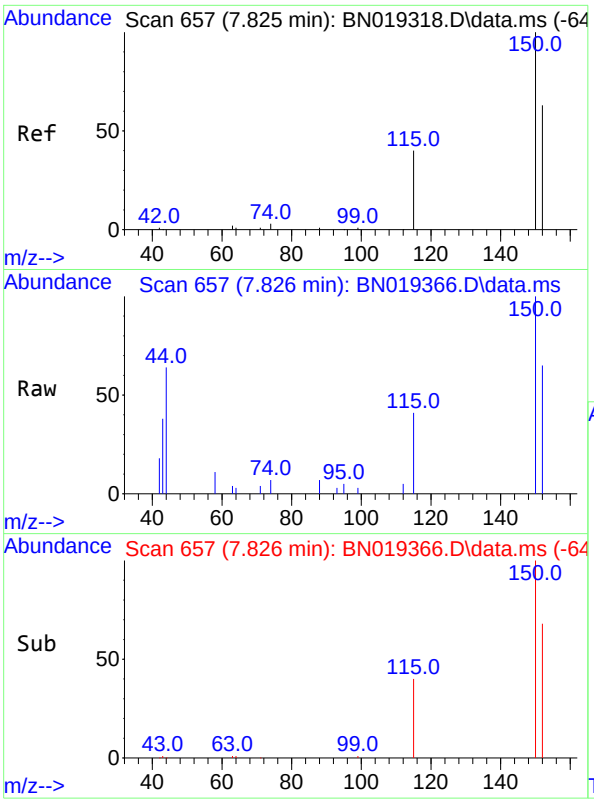


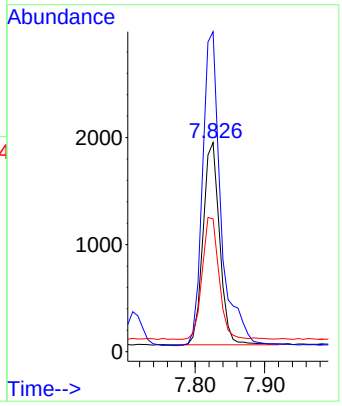


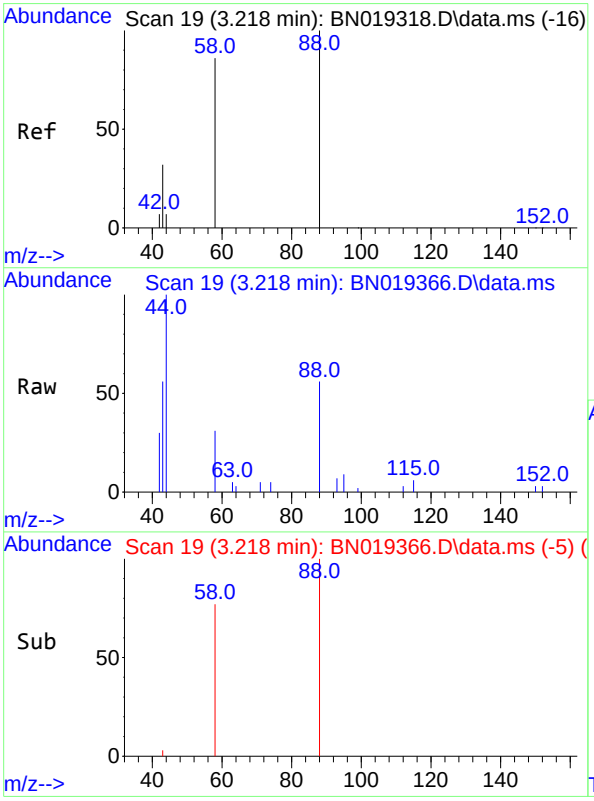
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 6
Delta R.T. 0.001 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3142

Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.9	185.9
115	63.5	48.2	72.4

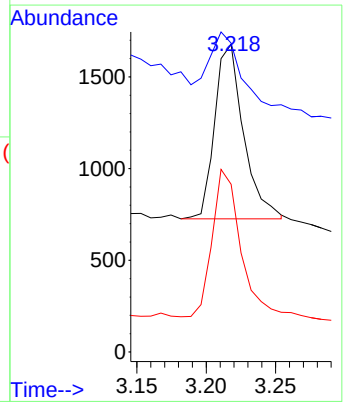


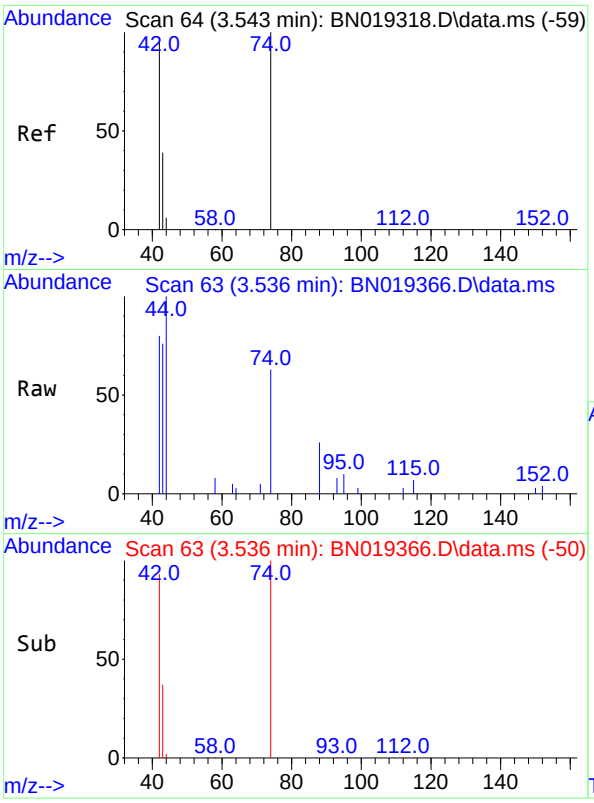


#2
1,4-Dioxane
Concen: 0.366 ng
RT: 3.218 min Scan# 19
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion: 88 Resp: 1375

Ion	Ratio	Lower	Upper
88	100		
43	44.9	24.6	37.0#
58	82.5	65.4	98.2



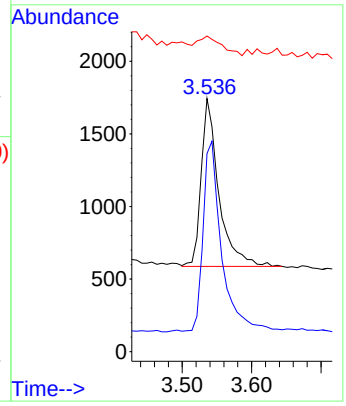


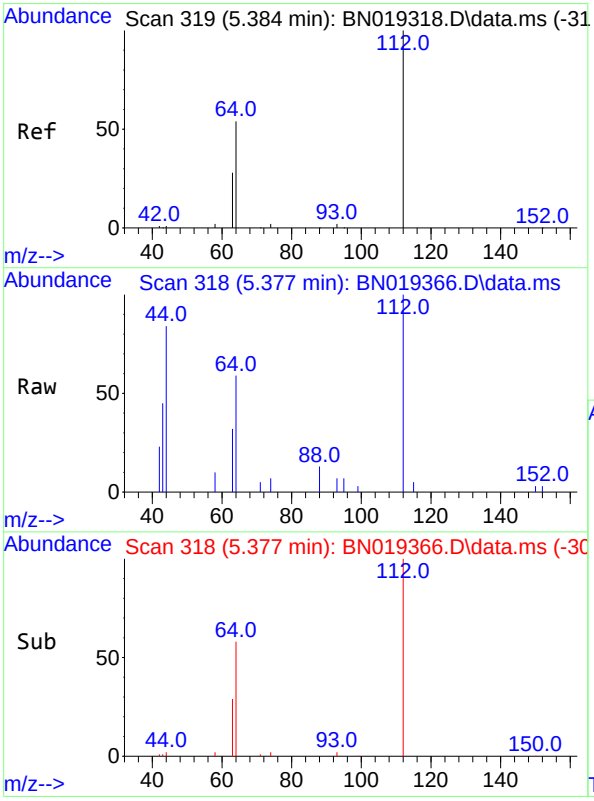
#3
n-Nitrosodimethylamine
Concen: 0.411 ng
RT: 3.536 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2043

Ion	Ratio	Lower	Upper
42	100		
74	117.5	96.9	145.3
44	15.4	7.3	10.9#

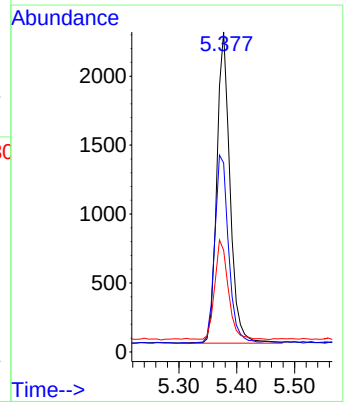


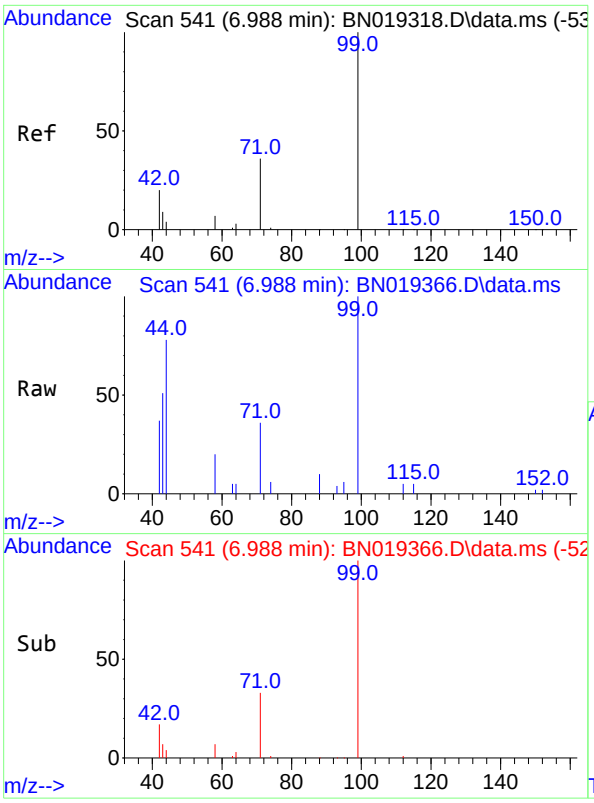


#4
2-Fluorophenol
Concen: 0.424 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:112 Resp: 3567

Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.8	71.8
63	32.8	25.7	38.5



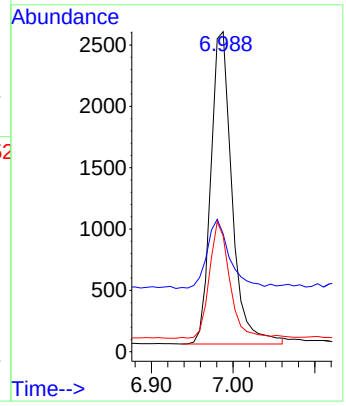


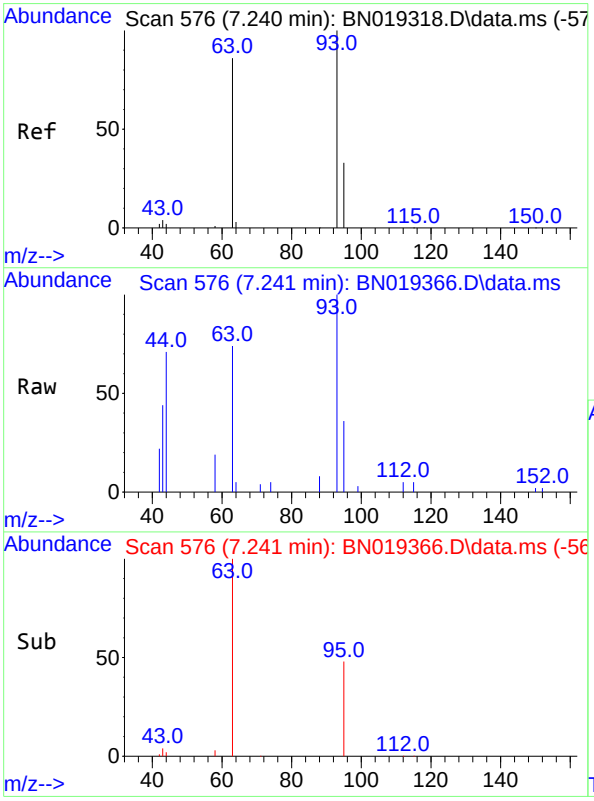
#5
Phenol-d6
Concen: 0.454 ng
RT: 6.988 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4600

Ion	Ratio	Lower	Upper
99	100		
42	23.6	16.2	24.4
71	36.1	27.7	41.5

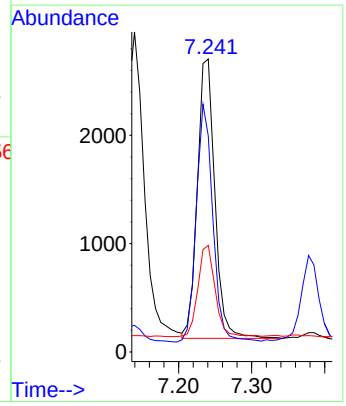


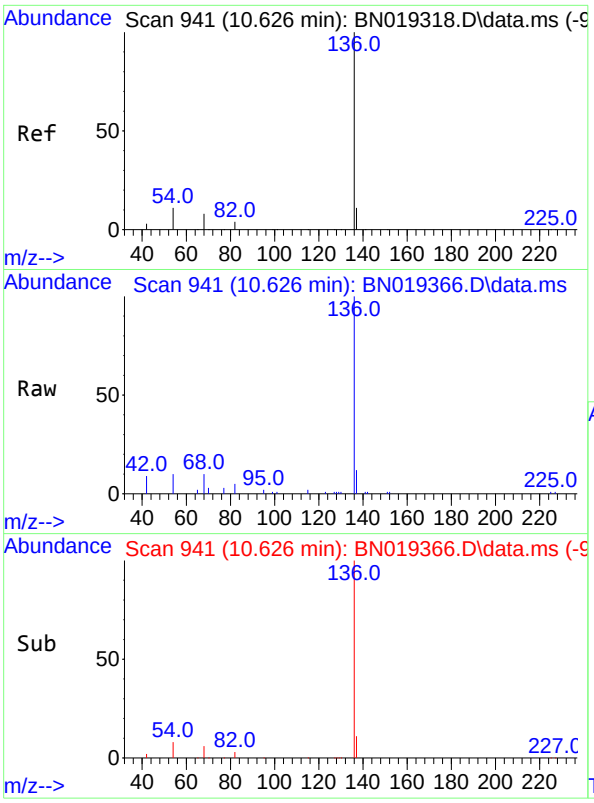


#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 7.241 min Scan# 576
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion: 93 Resp: 4294

Ion	Ratio	Lower	Upper
93	100		
63	80.8	62.8	94.2
95	32.3	26.2	39.4



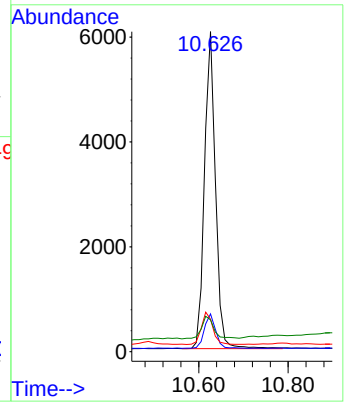


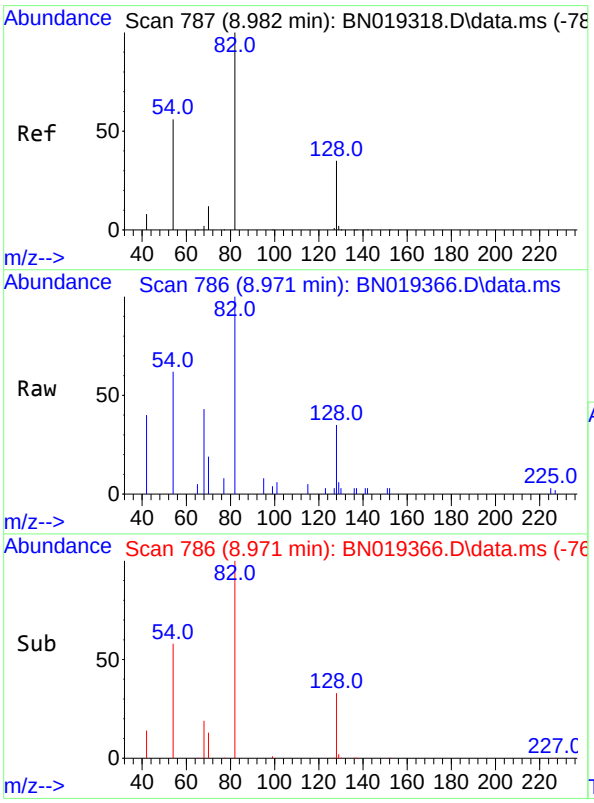
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 10327

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.4
54	10.1	5.8	8.6#
68	9.9	4.6	7.0#

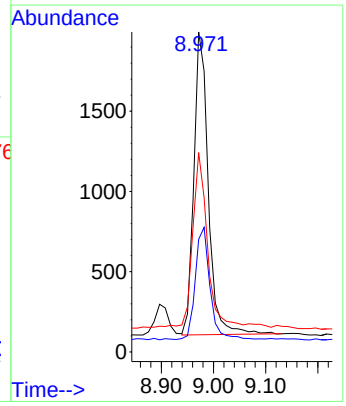


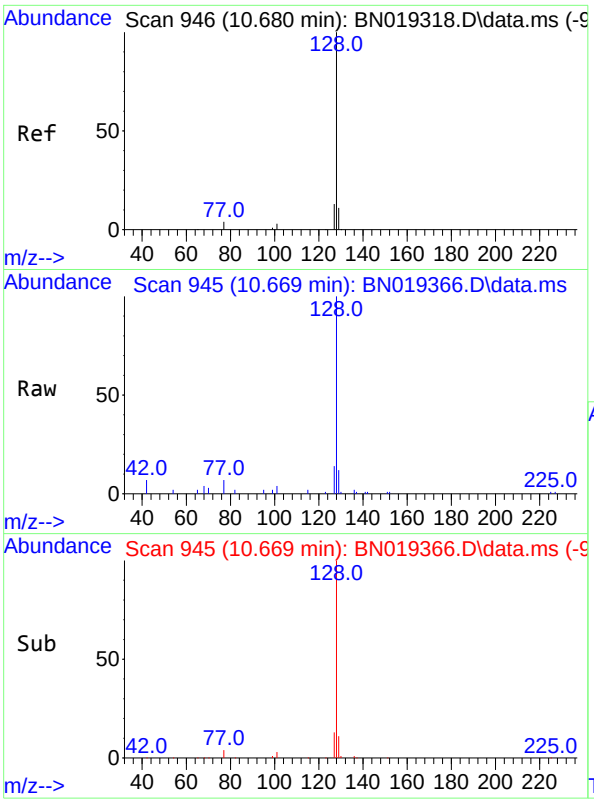


#8
Nitrobenzene-d5
Concen: 0.386 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.010 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion: 82 Resp: 3621

Ion	Ratio	Lower	Upper
82	100		
128	35.2	33.0	49.6
54	62.3	42.5	63.7



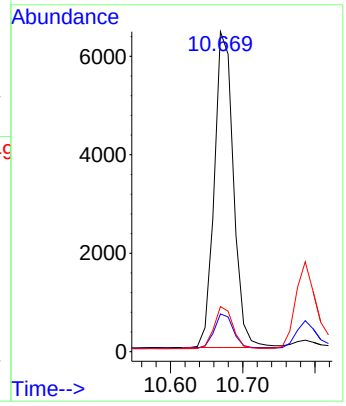


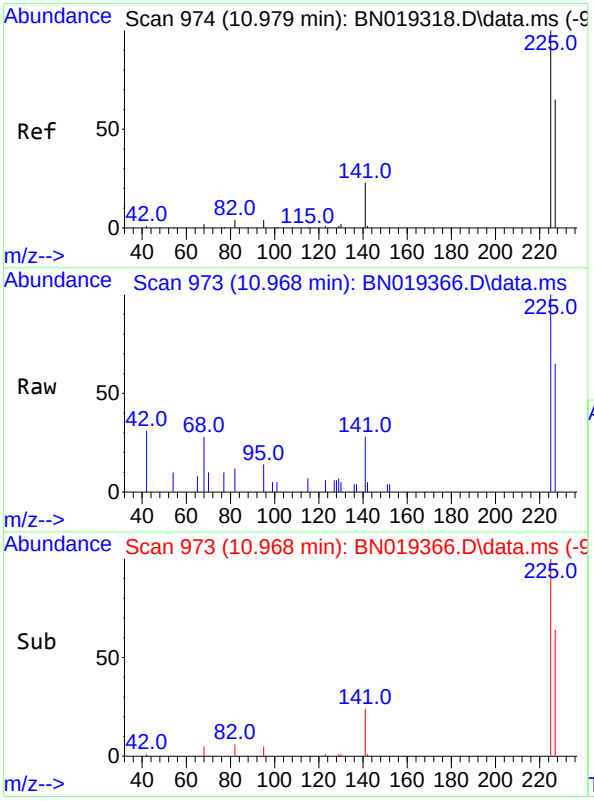
#9
Naphthalene
Concen: 0.388 ng
RT: 10.669 min Scan# 94
Delta R.T. -0.010 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 11841

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.4
127	14.1	10.7	16.1

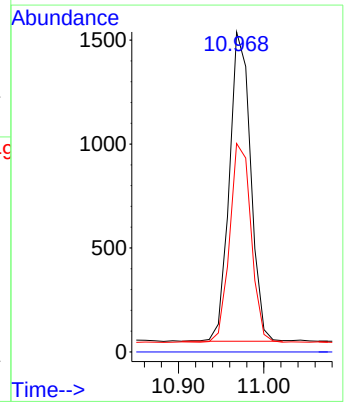


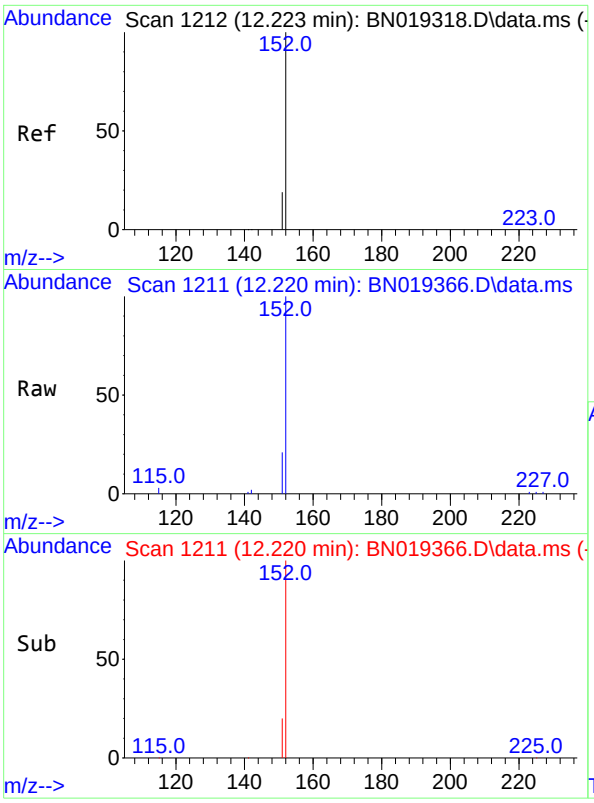


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.968 min Scan# 973
Delta R.T. -0.010 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:225 Resp: 2569

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	51.0	76.6



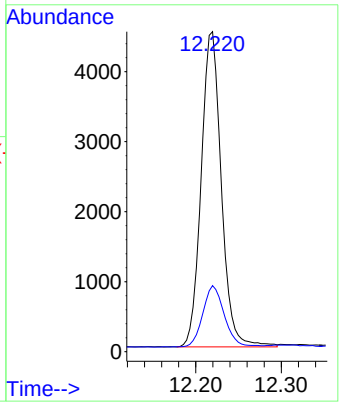


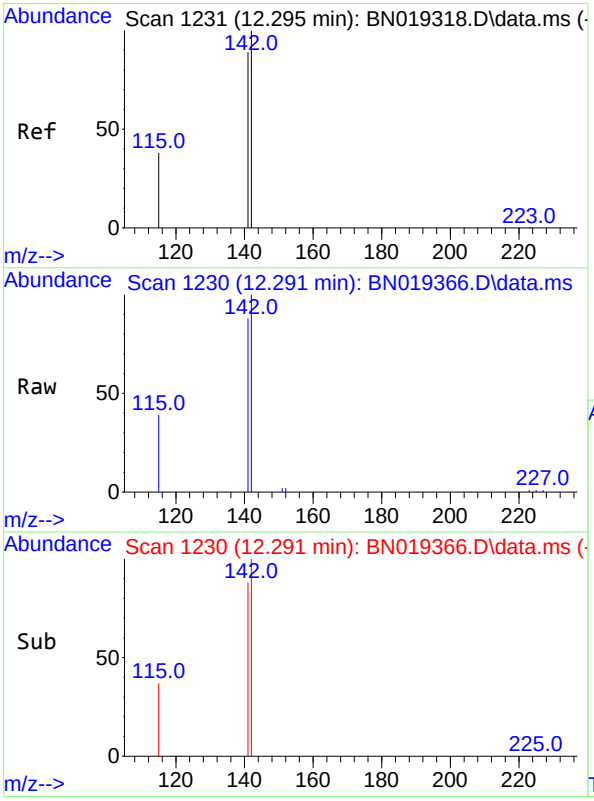
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.220 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7380

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.5	24.7

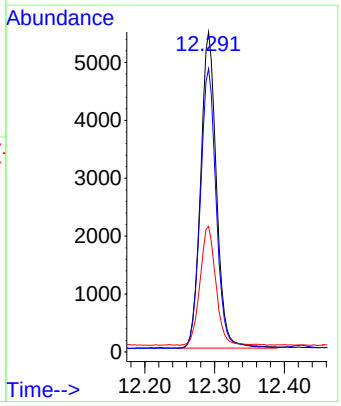


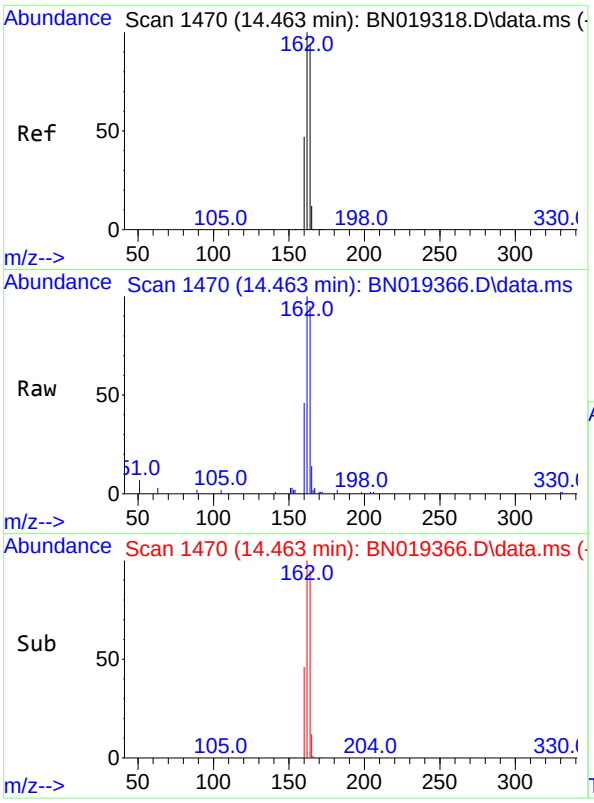


#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 12.291 min Scan# 1230
Delta R.T. -0.004 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:142 Resp: 8598

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.0	105.0
115	39.2	29.8	44.8



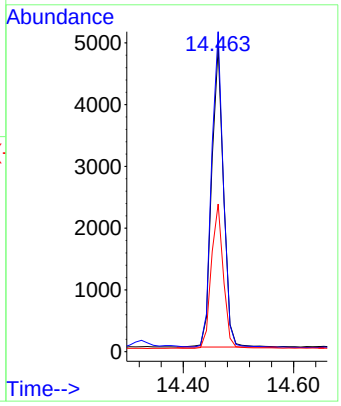


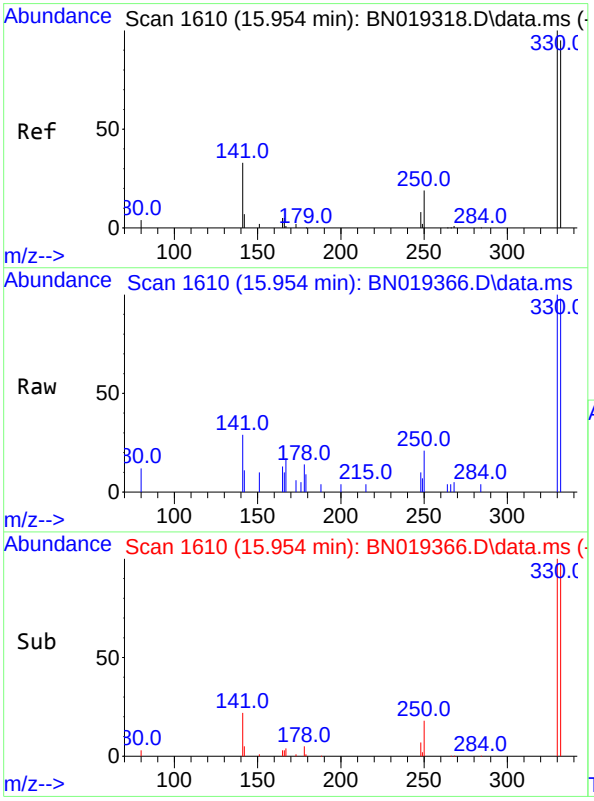
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.463 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7276

Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.2	127.8
160	48.5	41.5	62.3

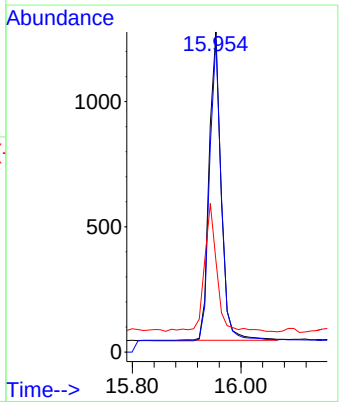


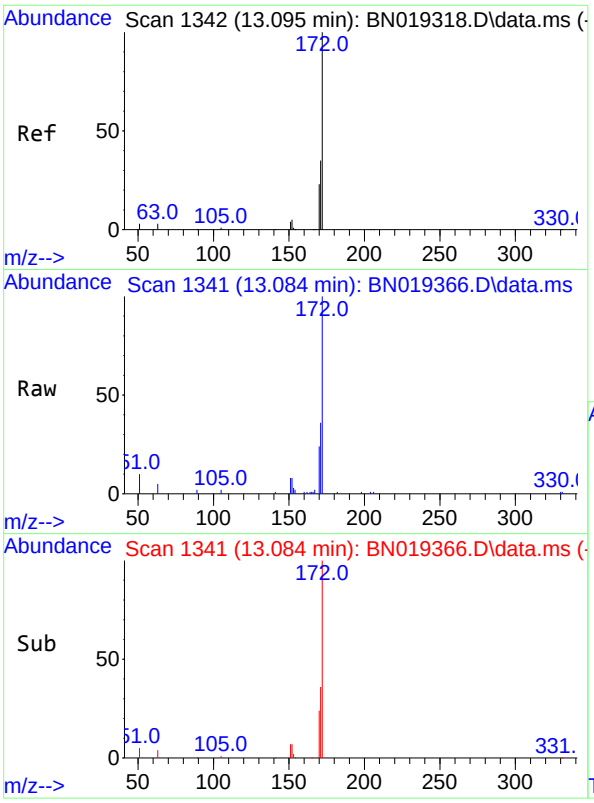


#14
2,4,6-Tribromophenol
Concen: 0.426 ng
RT: 15.954 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:330 Resp: 1883

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	43.4	32.2	48.2



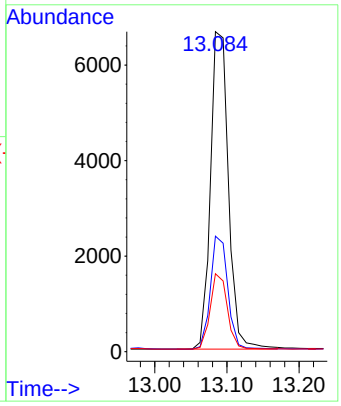


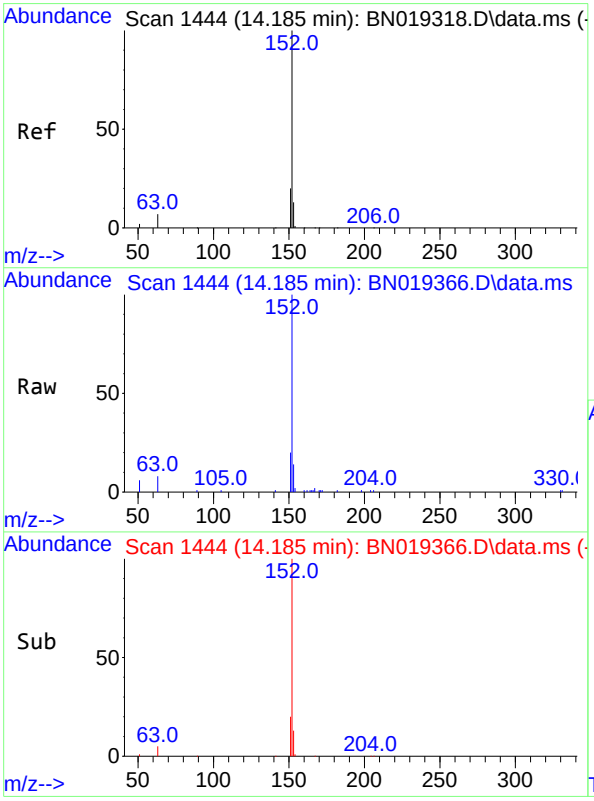
#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.084 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 11530

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.2
170	24.3	18.7	28.1

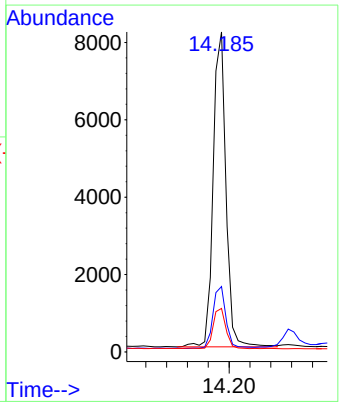


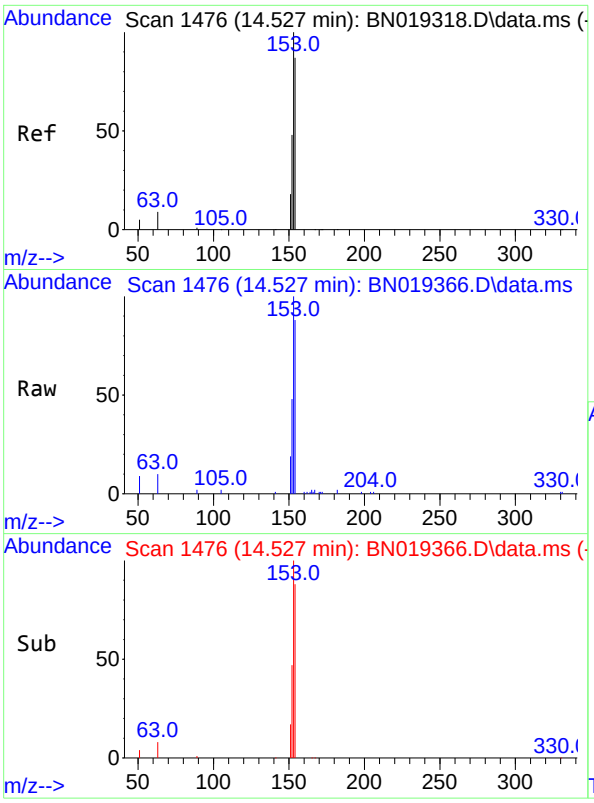


#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.185 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:152 Resp: 13797

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.2	10.6	15.8



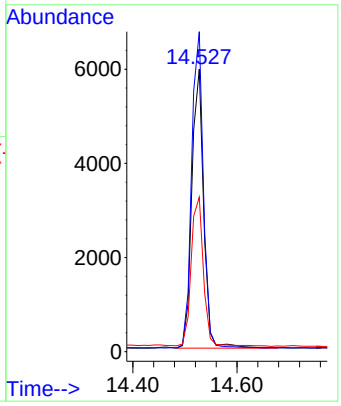


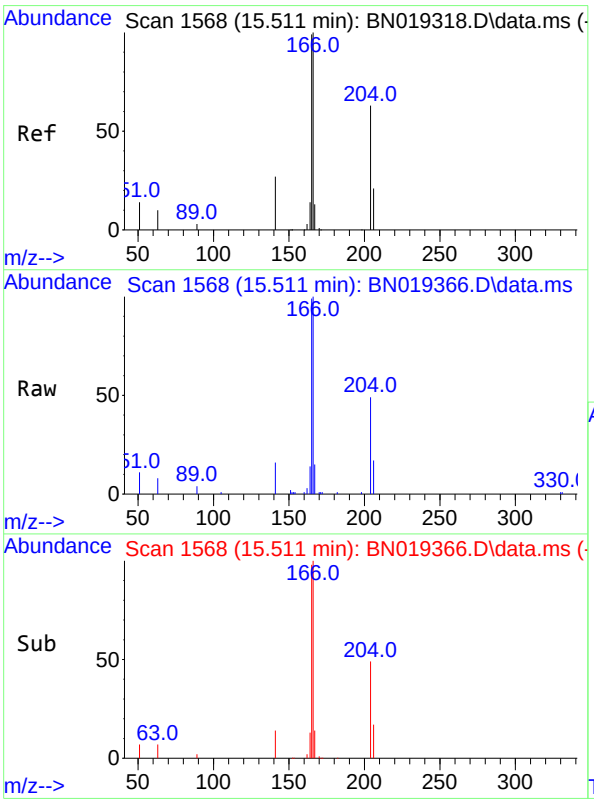
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.527 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9348

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.7	134.5
152	55.7	44.7	67.1

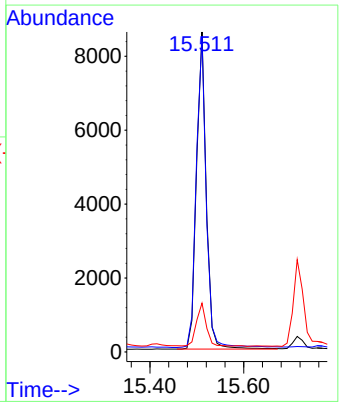


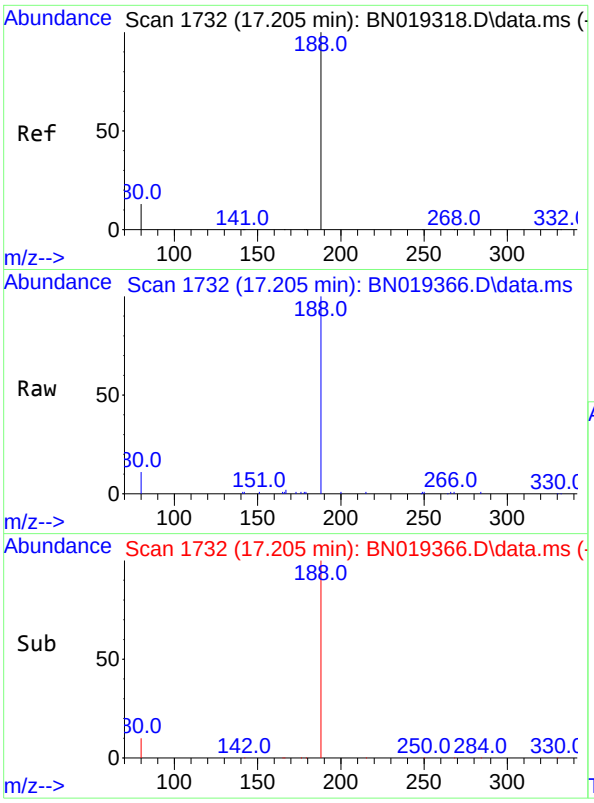


#18
Fluorene
Concen: 0.391 ng
RT: 15.511 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:166 Resp: 12403

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.2	118.8
167	13.3	10.7	16.1



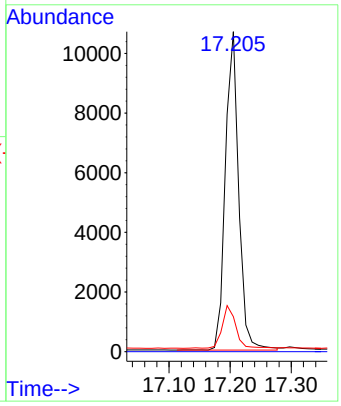


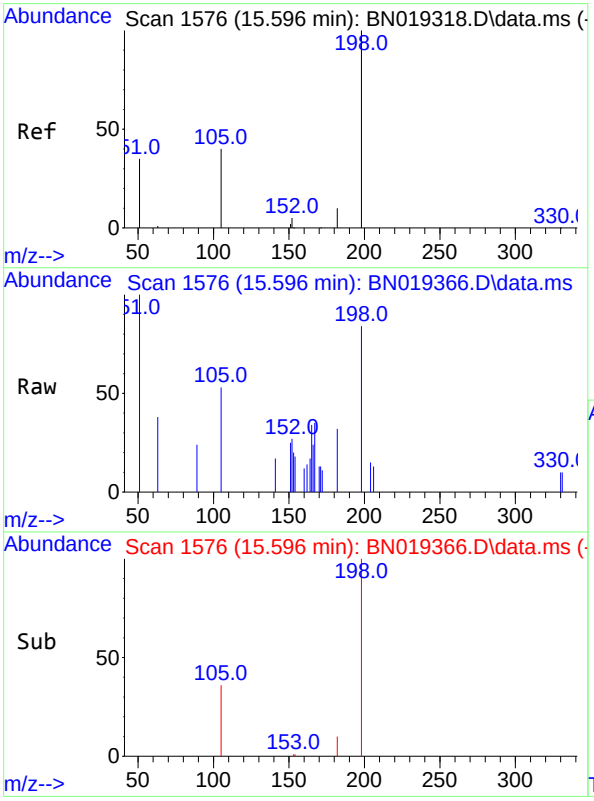
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 16156

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.9	11.8	17.8#

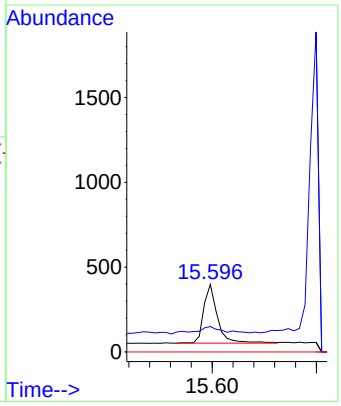


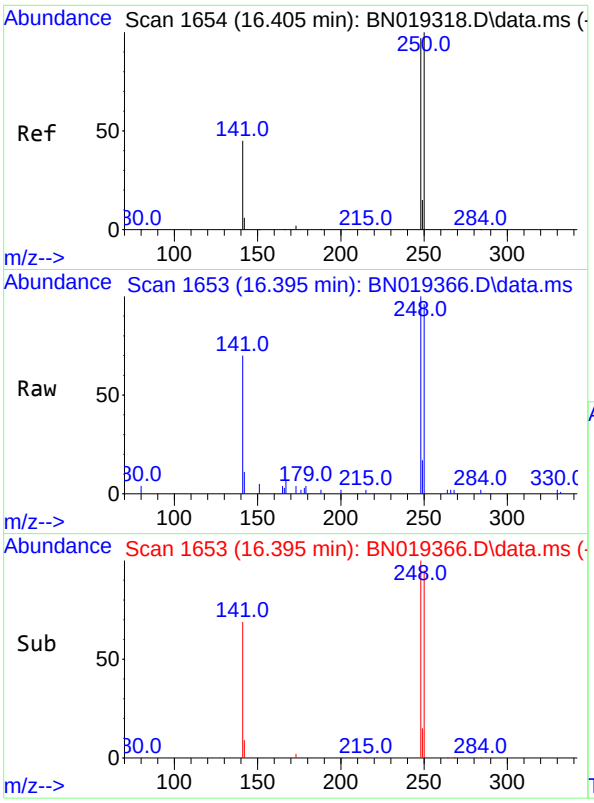


#20
4,6-Dinitro-2-methylphenol
Concen: 0.213 ng
RT: 15.596 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:198 Resp: 631

Ion	Ratio	Lower	Upper
198	100		
182	37.7	13.0	19.4#
77	0.0	0.0	0.0



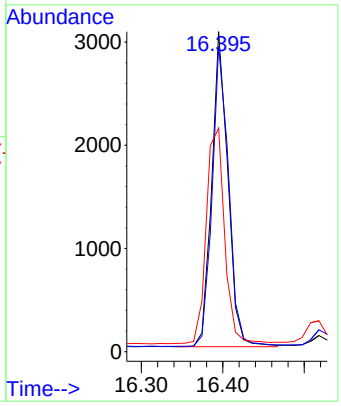


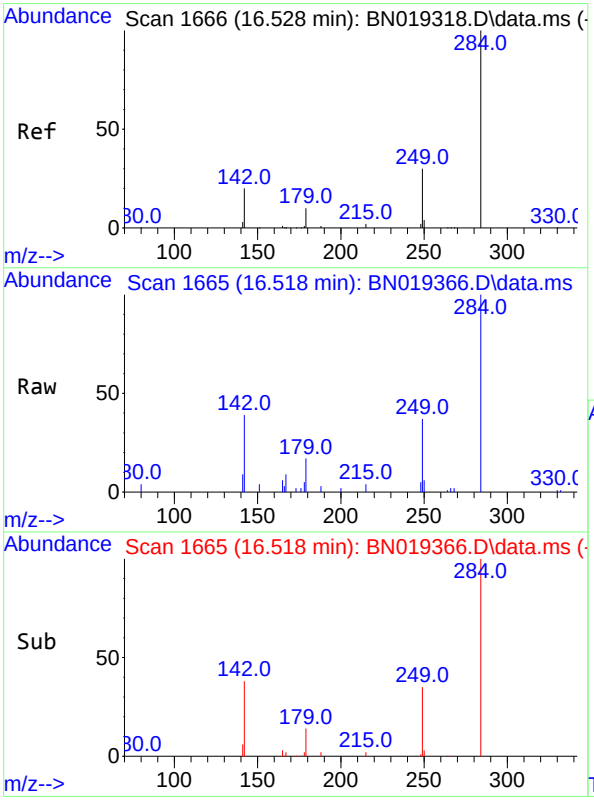
#21
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 16.395 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 4219

Ion	Ratio	Lower	Upper
248	100		
250	95.5	80.7	121.1
141	69.9	39.6	59.4#

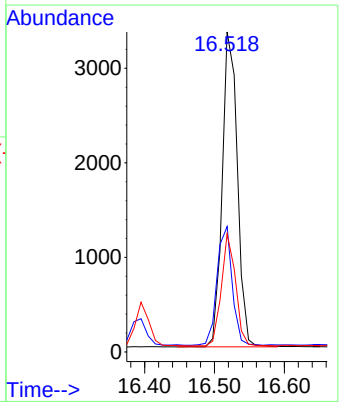


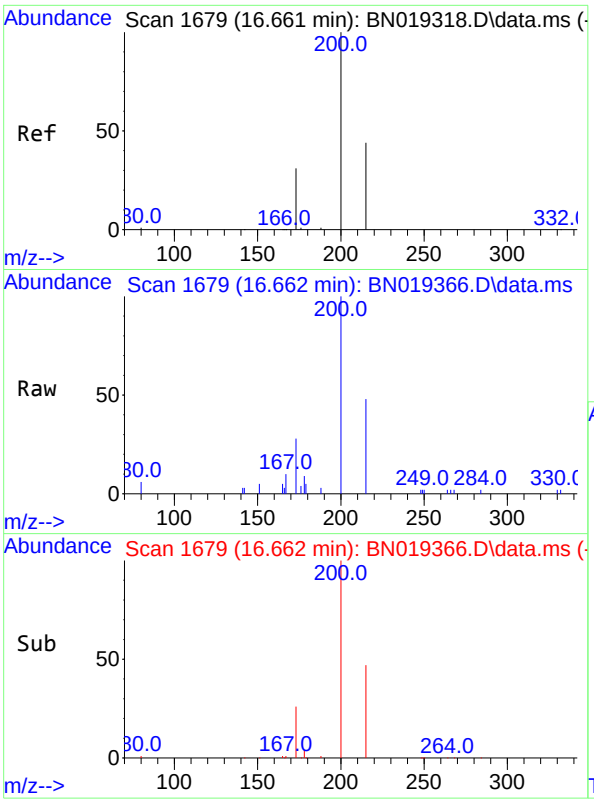


#22
Hexachlorobenzene
Concen: 0.396 ng
RT: 16.518 min Scan# 1665
Delta R.T. -0.010 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:284 Resp: 5039

Ion	Ratio	Lower	Upper
284	100		
142	37.6	29.8	44.8
249	33.3	26.2	39.2



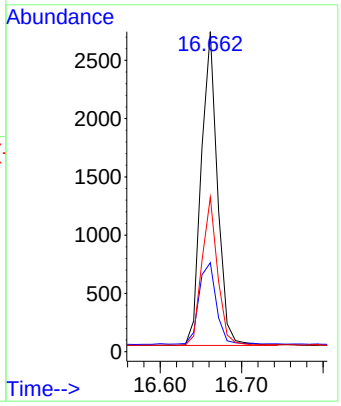


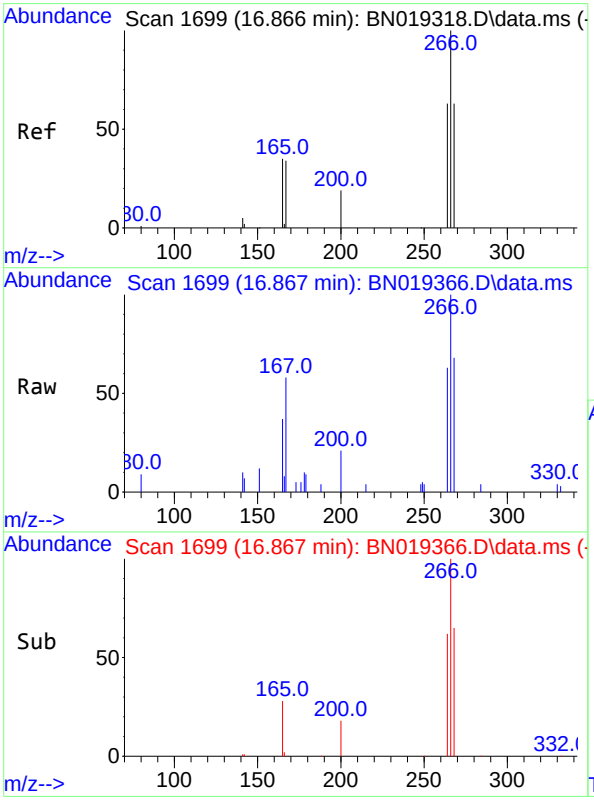
#23
Atrazine
Concen: 0.415 ng
RT: 16.662 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 3723

Ion	Ratio	Lower	Upper
200	100		
173	27.8	23.9	35.9
215	48.3	36.6	54.8

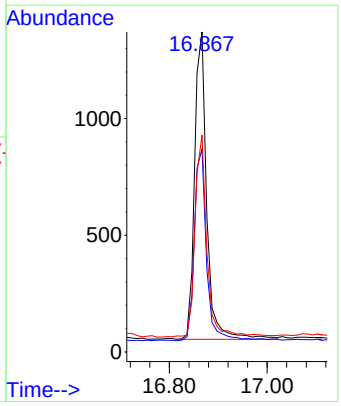


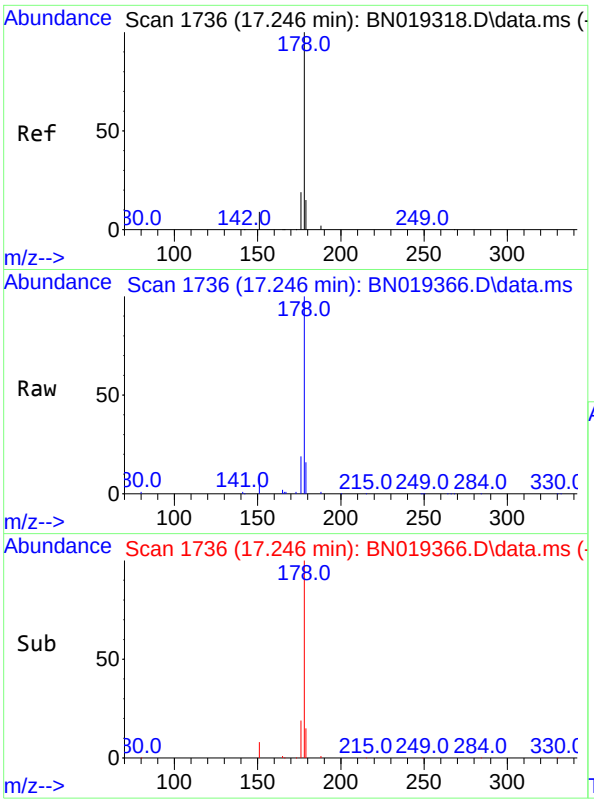


#24
Pentachlorophenol
Concen: 0.460 ng
RT: 16.867 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:266 Resp: 2279

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.2	75.4
268	64.7	51.9	77.9



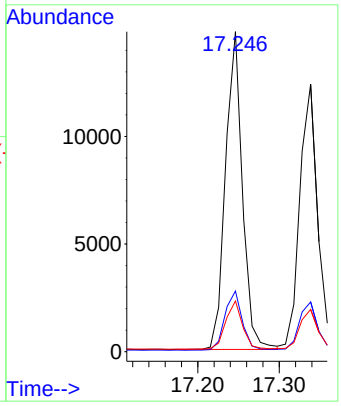


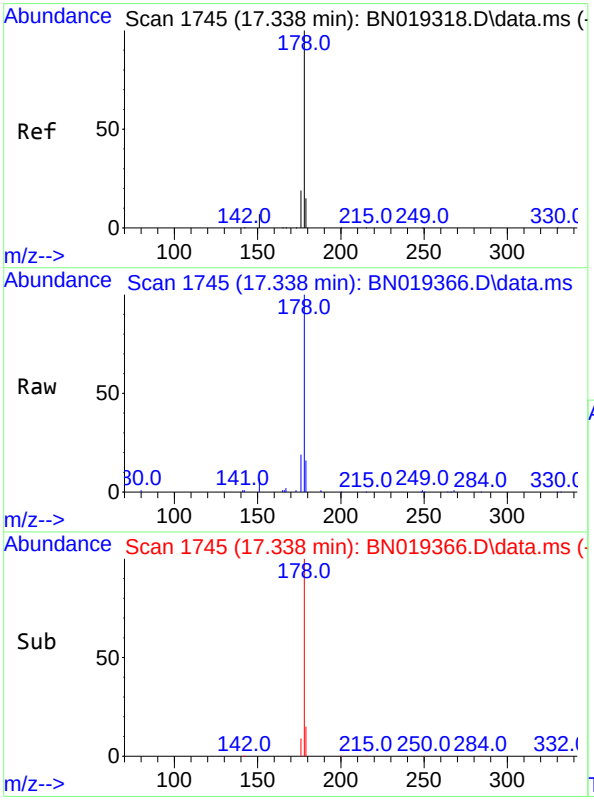
#25
Phenanthrene
Concen: 0.393 ng
RT: 17.246 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 21313

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.3	12.2	18.2

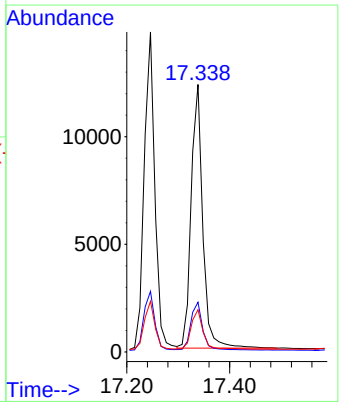


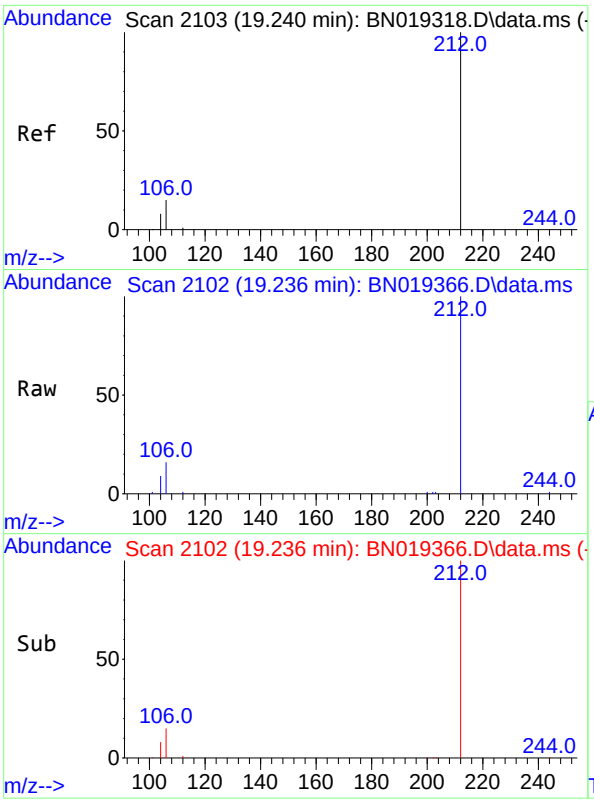


#26
Anthracene
Concen: 0.403 ng
RT: 17.338 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:178 Resp: 19203

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.2	18.4



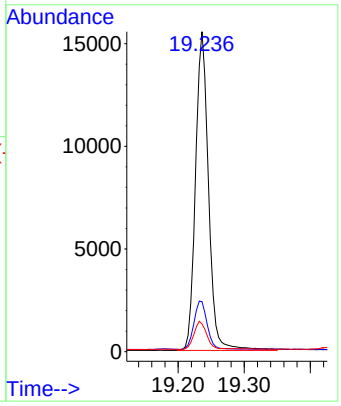


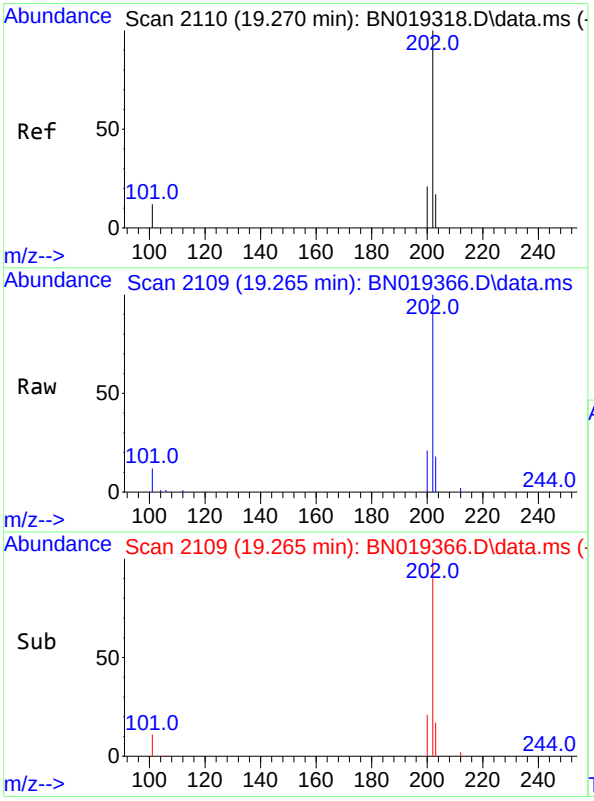
#27
Fluoranthene-d10
Concen: 0.408 ng
RT: 19.236 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 21253

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.7	19.1
104	8.8	7.1	10.7

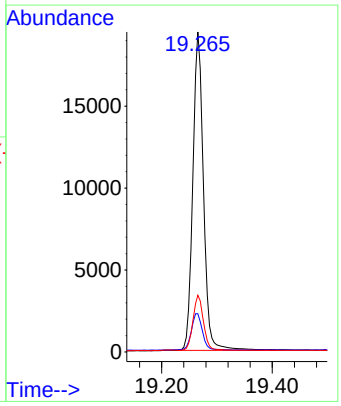


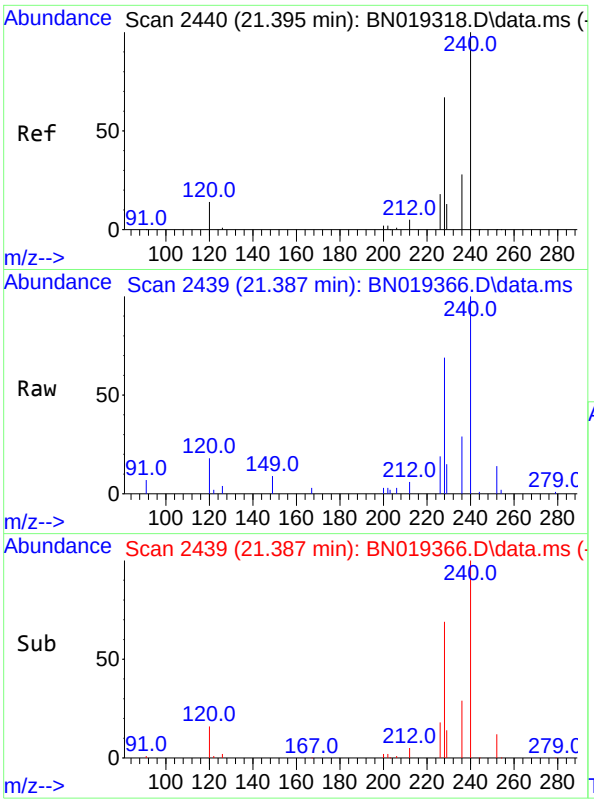


#28
Fluoranthene
Concen: 0.404 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.004 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:202 Resp: 25979

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.6
203	16.9	13.7	20.5



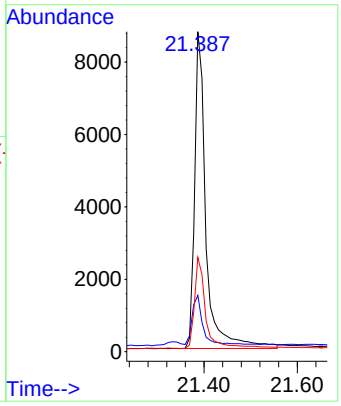


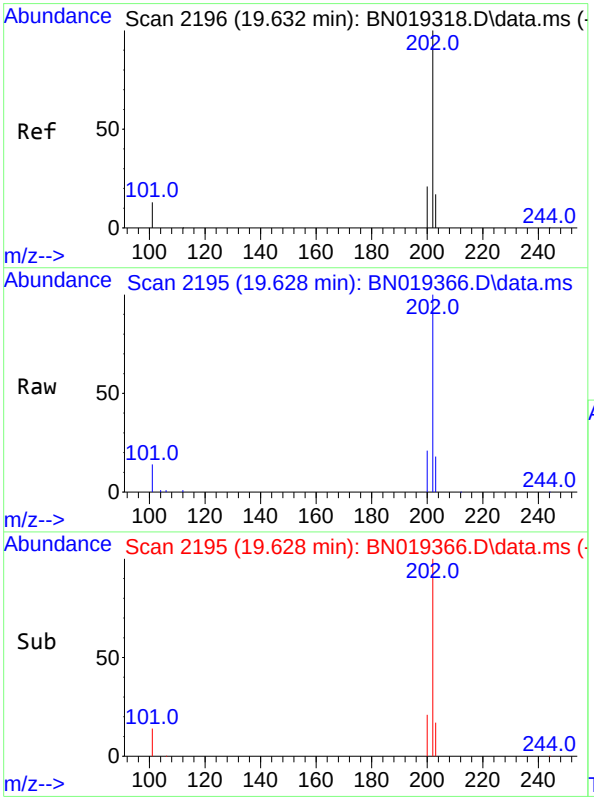
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.387 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 14828

Ion	Ratio	Lower	Upper
240	100		
120	17.6	8.5	12.7#
236	29.4	22.4	33.6

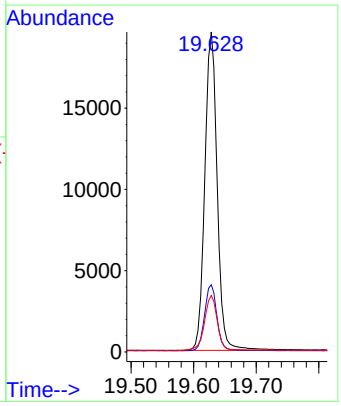


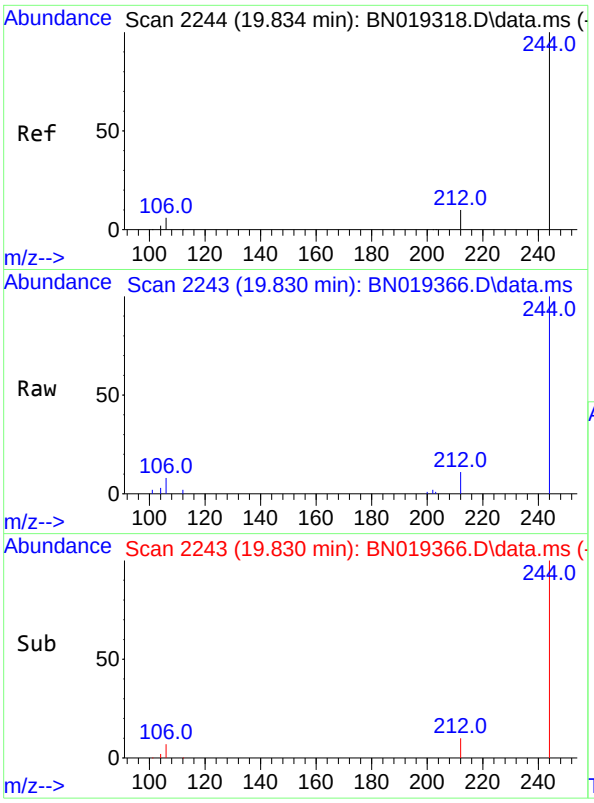


#30
Pyrene
Concen: 0.390 ng
RT: 19.628 min Scan# 2195
Delta R.T. -0.004 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:202 Resp: 26934

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3
203	17.9	14.2	21.2



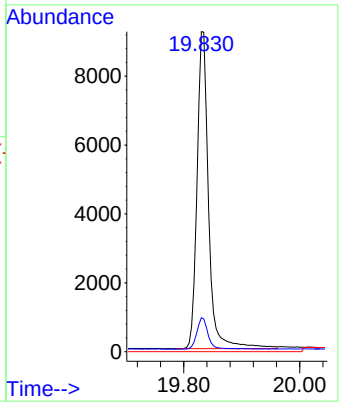


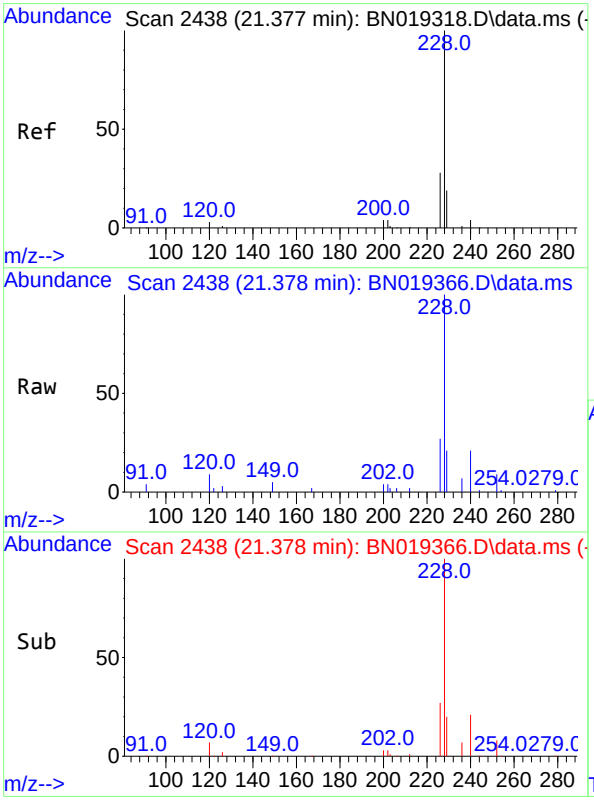
#31
Terphenyl-d14
Concen: 0.396 ng
RT: 19.830 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 12753

Ion	Ratio	Lower	Upper
244	100		
212	10.6	8.2	12.4
122	0.0	0.0	0.0

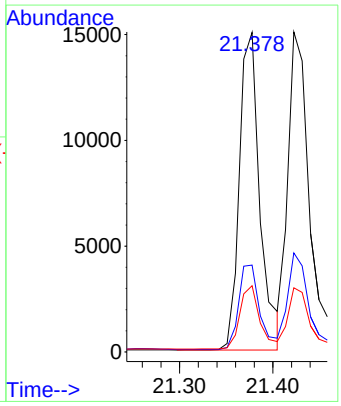


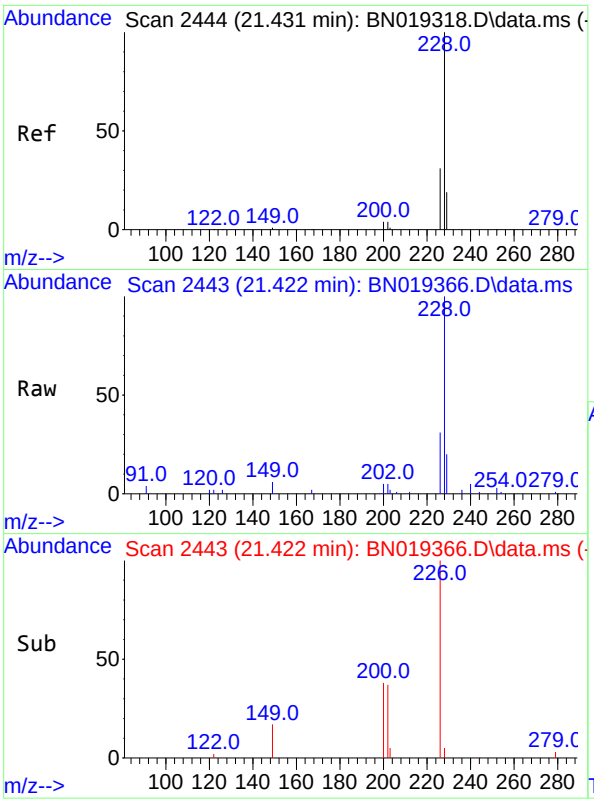


#32
Benzo(a)anthracene
Concen: 0.420 ng
RT: 21.378 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:228 Resp: 23004

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.7	16.0	24.0



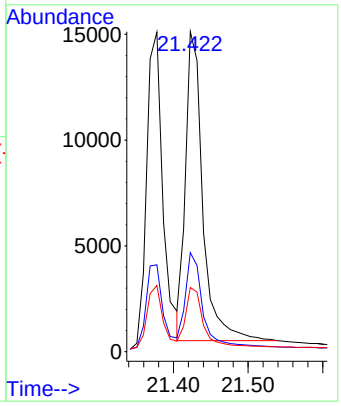


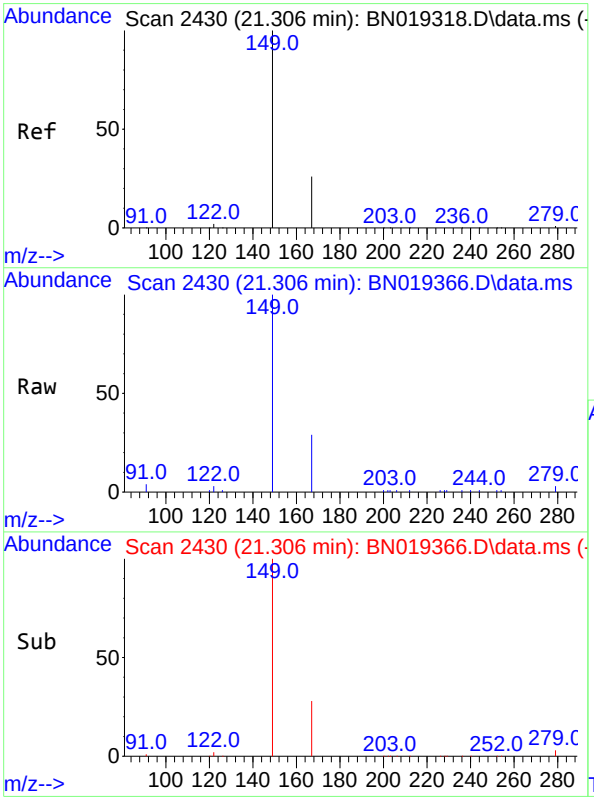
#33
Chrysene
Concen: 0.386 ng
RT: 21.422 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 23520

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	20.1	15.9	23.9

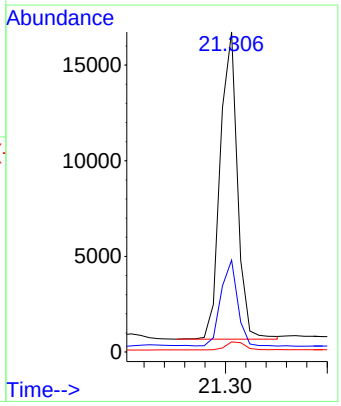


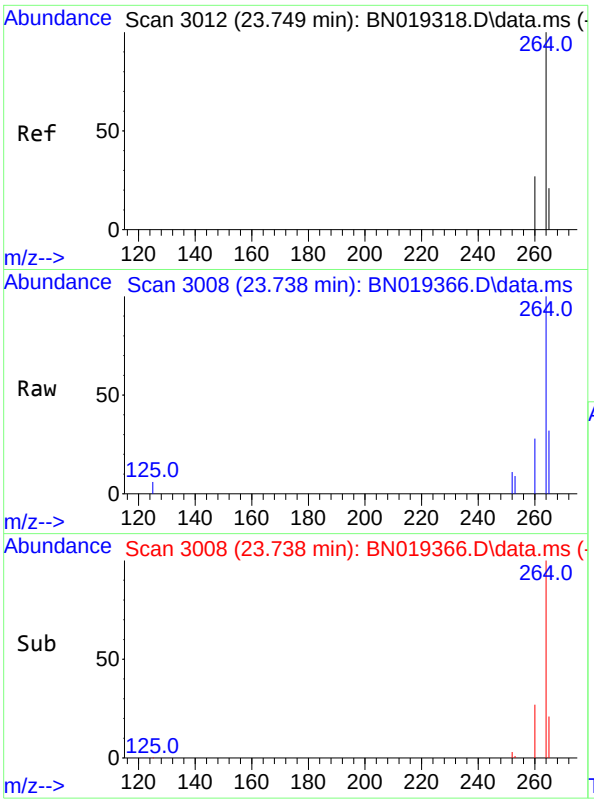


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.463 ng
RT: 21.306 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:149 Resp: 18878

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.0	2.0	3.0



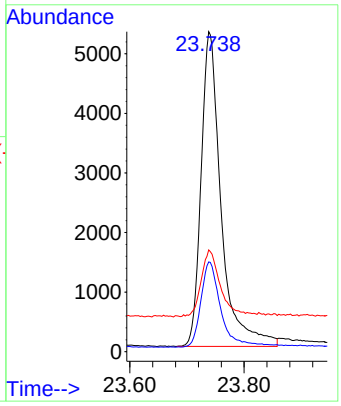


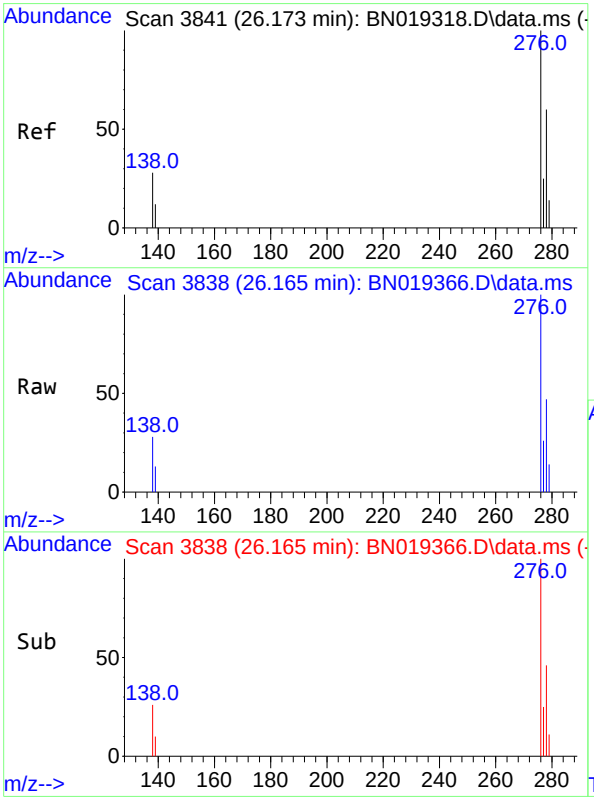
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.738 min Scan# 3
Delta R.T. -0.011 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 12869

Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.4	33.6
265	31.8	25.3	37.9

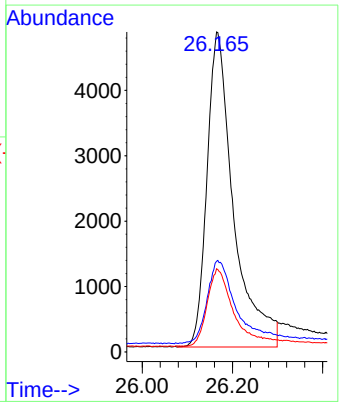


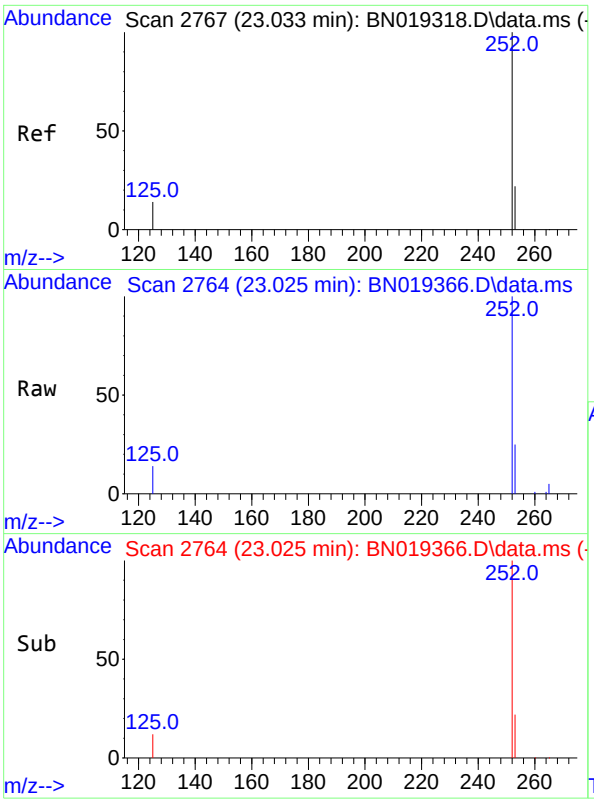


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.366 ng
RT: 26.165 min Scan# 3838
Delta R.T. -0.009 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:276 Resp: 19704

Ion	Ratio	Lower	Upper
276	100		
138	28.1	24.5	36.7
277	25.0	19.8	29.8



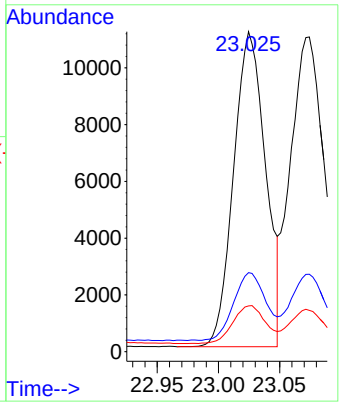


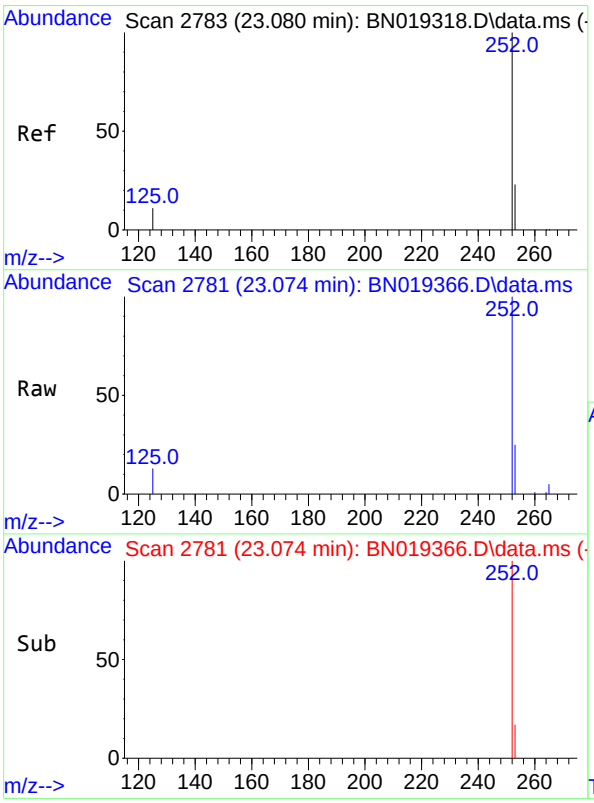
#37
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 23.025 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 20135

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.9	28.3
125	14.3	12.1	18.1

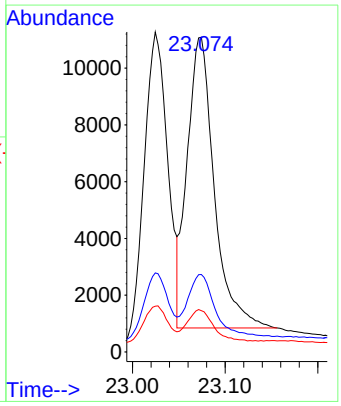


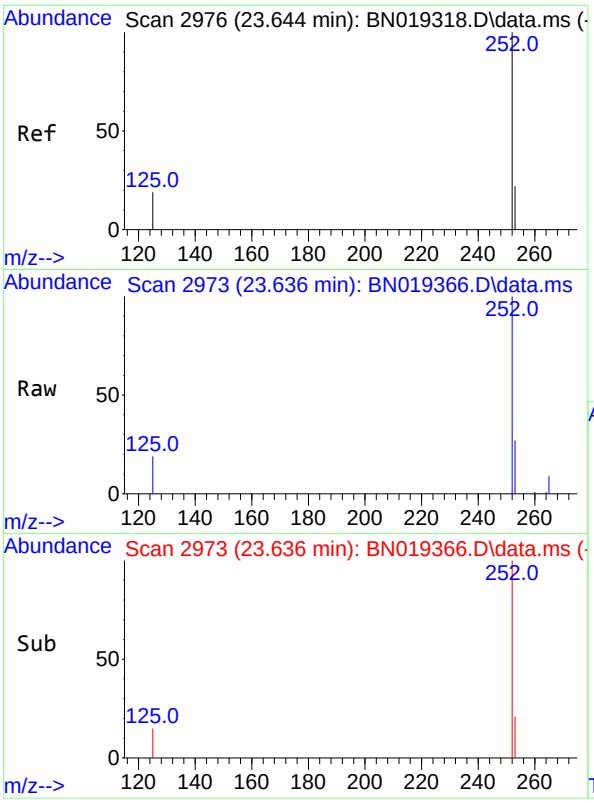


#38
Benzo(k)fluoranthene
Concen: 0.395 ng
RT: 23.074 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:252 Resp: 20826

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.9	28.3
125	13.1	10.3	15.5



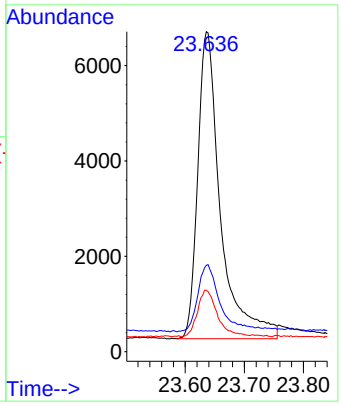


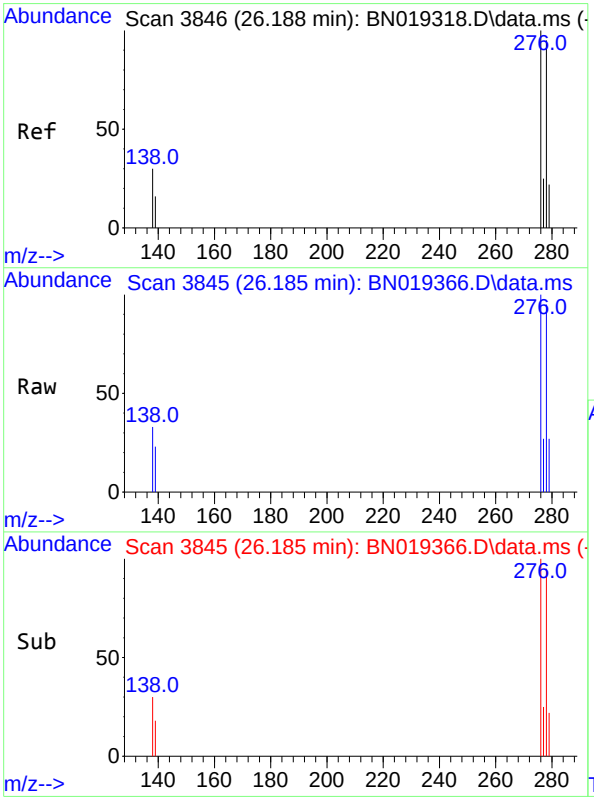
#39
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.636 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 17239

Ion	Ratio	Lower	Upper
252	100		
253	27.0	20.1	30.1
125	19.2	15.2	22.8

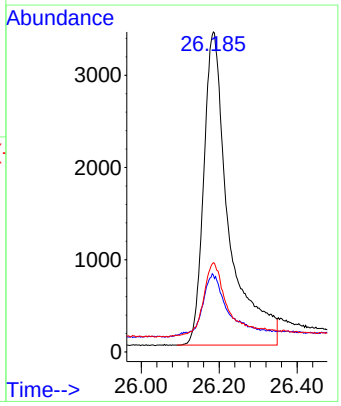


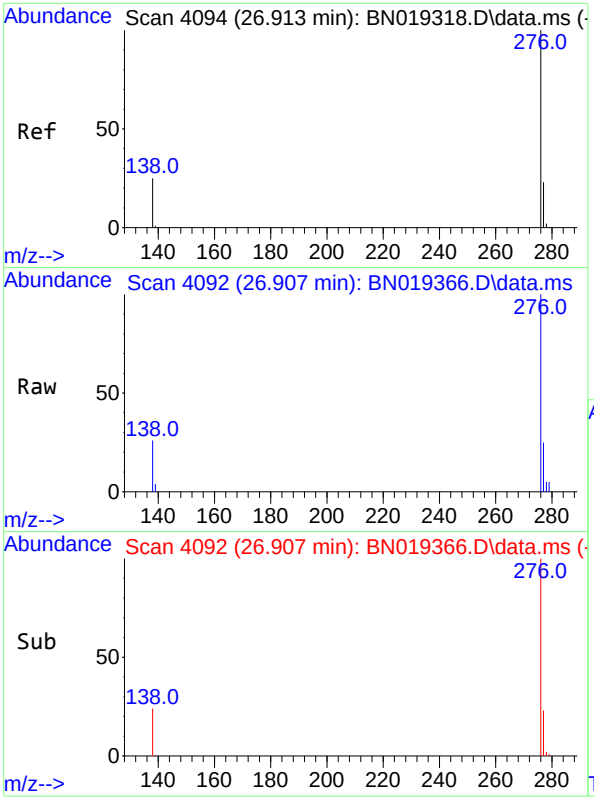


#40
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 26.185 min Scan# 3845
Delta R.T. -0.003 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Tgt Ion:278 Resp: 15212

Ion	Ratio	Lower	Upper
278	100		
139	24.0	17.2	25.8
279	27.9	19.9	29.9





#41
Benzo(g,h,i)perylene
Concen: 0.373 ng
RT: 26.907 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN019366.D
Acq: 06 Apr 2022 12:12

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 18612

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	26.3	21.0	31.6