Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042822\
Data File : BN019551.D
Acq On : 27 Apr 2022 18:53
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Apr 28 02:20:52 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 02:19:34 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.883	152	5316	0.400	ng		0.00
7) Naphthalene-d8	10.669	136	12985	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	6922	0.400	ng		0.00
19) Phenanthrene-d10	17.236	188	13136	0.400	ng		0.00
29) Chrysene-d12	21.413	240	12417	0.400	ng		0.00
35) Perylene-d12	23.770	264	10562	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.464	112	60323	5.298	ng		0.00
5) Phenol-d6	7.038	99	75327	5.801	ng		0.00
8) Nitrobenzene-d5	9.025	82	49352	5.250	ng		0.00
11) 2-Methylnaphthalene-d10	12.257	152	103660	4.921	ng		0.00
14) 2,4,6-Tribromophenol	15.974	330	13564	4.385	ng		-0.01
15) 2-Fluorobiphenyl	13.127	172	143251	5.192	ng		0.00
27) Fluoranthene-d10	19.261	212	199629	5.199	ng		0.00
31) Terphenyl-d14	19.864	244	132603	4.730	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.384	88	27670	3.955	ng		97
3) n-Nitrosodimethylamine	3.687	42	27007	4.166	ng	#	94
6) bis(2-Chloroethyl)ether	7.305	93	64927	4.752	ng		97
9) Naphthalene	10.722	128	184803	4.897	ng		99
10) Hexachlorobutadiene	11.021	225	33748	4.074	ng	#	99
12) 2-Methylnaphthalene	12.329	142	119968	4.880	ng		99
16) Acenaphthylene	14.217	152	175026	5.558	ng		99
17) Acenaphthene	14.559	154	115582	5.257	ng		96
18) Fluorene	15.543	166	142277	4.933	ng		99
20) 4,6-Dinitro-2-methylph...	15.607	198	12749	9.659	ng	#	73
21) 4-Bromophenyl-phenylether	16.425	248	41713	5.186	ng		95
22) Hexachlorobenzene	16.549	284	46787	4.669	ng		99
23) Atrazine	16.692	200	28140	4.944	ng		95
24) Pentachlorophenol	16.887	266	20007	10.177	ng		96
25) Phenanthrene	17.277	178	221490	5.341	ng		100
26) Anthracene	17.369	178	199742	5.959	ng		99
28) Fluoranthene	19.291	202	246586	5.190	ng		99
30) Pyrene	19.653	202	248774	4.228	ng		100
32) Benzo(a)anthracene	21.404	228	229197	5.935	ng		99
33) Chrysene	21.449	228	236738	4.850	ng		99
34) Bis(2-ethylhexyl)phtha...	21.342	149	111157	4.893	ng	#	100
36) Indeno(1,2,3-cd)pyrene	26.188	276	256625	6.289	ng		99
37) Benzo(b)fluoranthene	23.054	252	220323	5.421	ng	#	89
38) Benzo(k)fluoranthene	23.103	252	219668	5.064	ng	#	87
39) Benzo(a)pyrene	23.662	252	176663	4.936	ng	#	83
40) Dibenzo(a,h)anthracene	26.205	278	206540	6.782	ng		94
41) Benzo(g,h,i)perylene	26.930	276	216966	5.181	ng		97

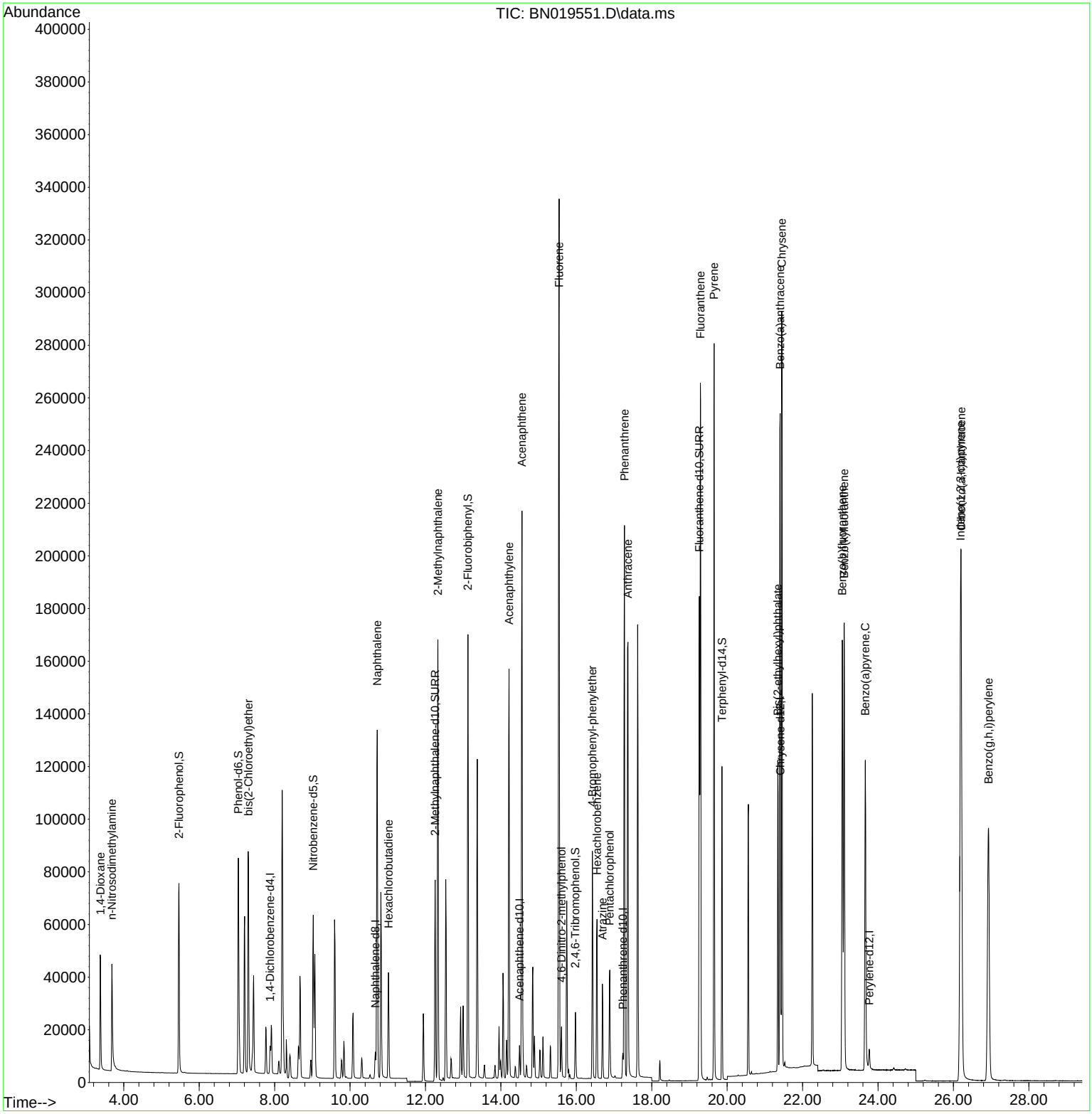
(#) = qualifier out of range (m) = manual integration (+) = signals summed

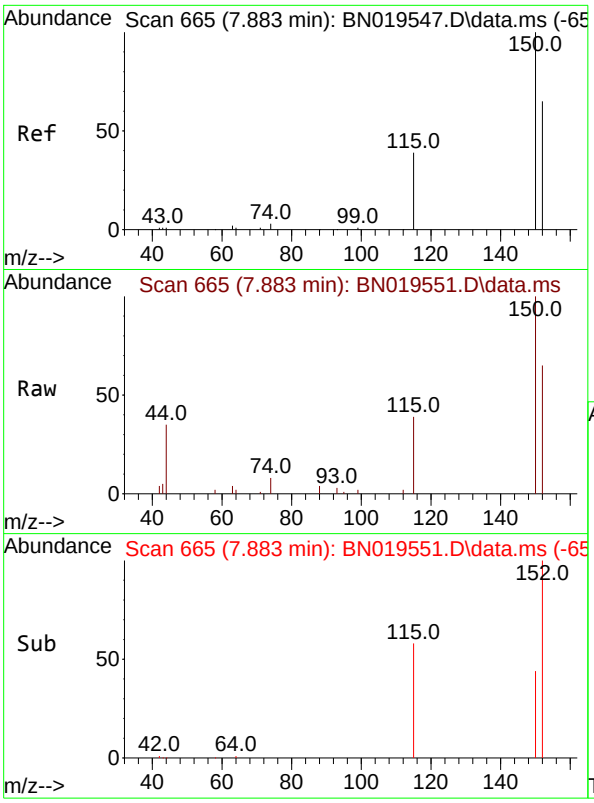
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042822\
Data File : BN019551.D
Acq On : 27 Apr 2022 18:53
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Apr 28 02:20:52 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 02:19:34 2022
Response via : Initial Calibration



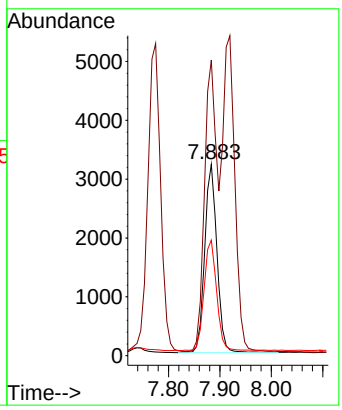


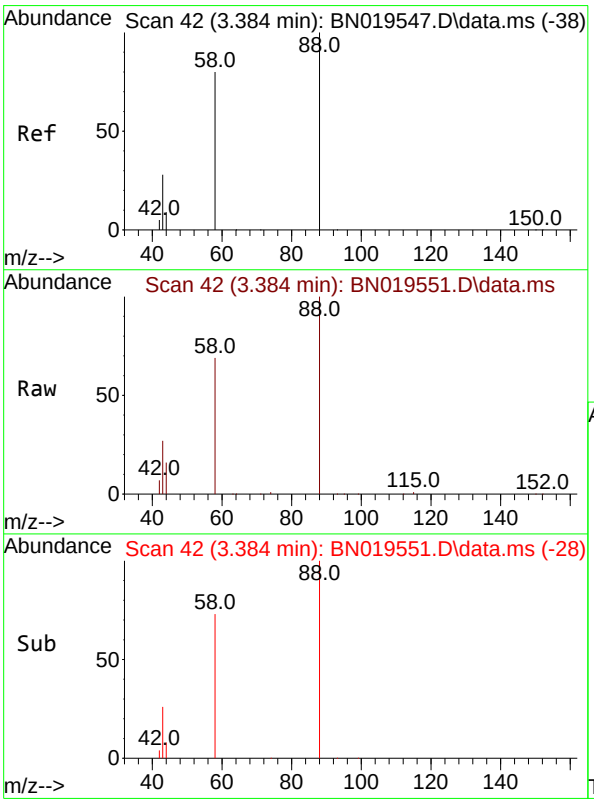
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.883 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 5316

Ion	Ratio	Lower	Upper
152	100		
150	154.4	122.6	183.8
115	60.4	49.0	73.6

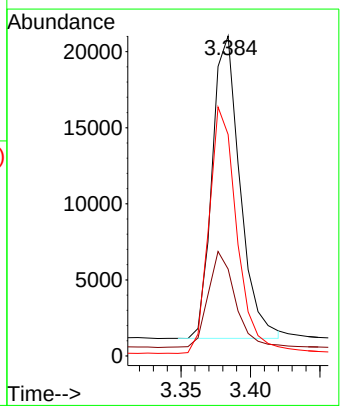


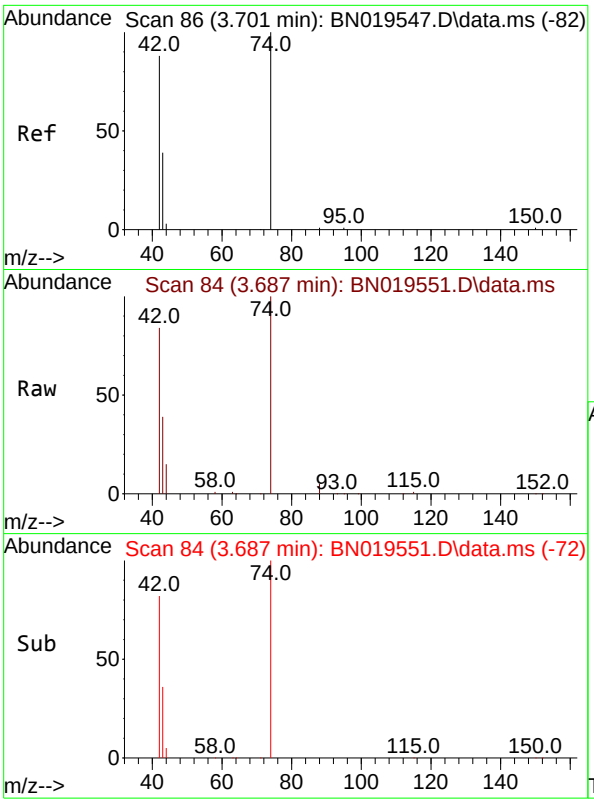


#2
1,4-Dioxane
Concen: 3.955 ng
RT: 3.384 min Scan# 42
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion: 88 Resp: 27670

Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.2	37.8
58	81.3	67.6	101.4



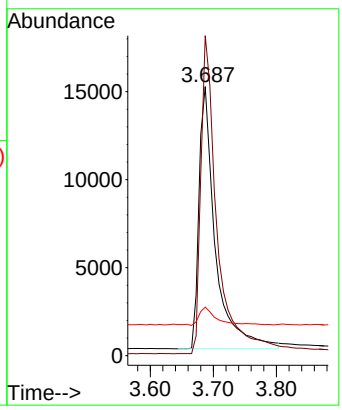


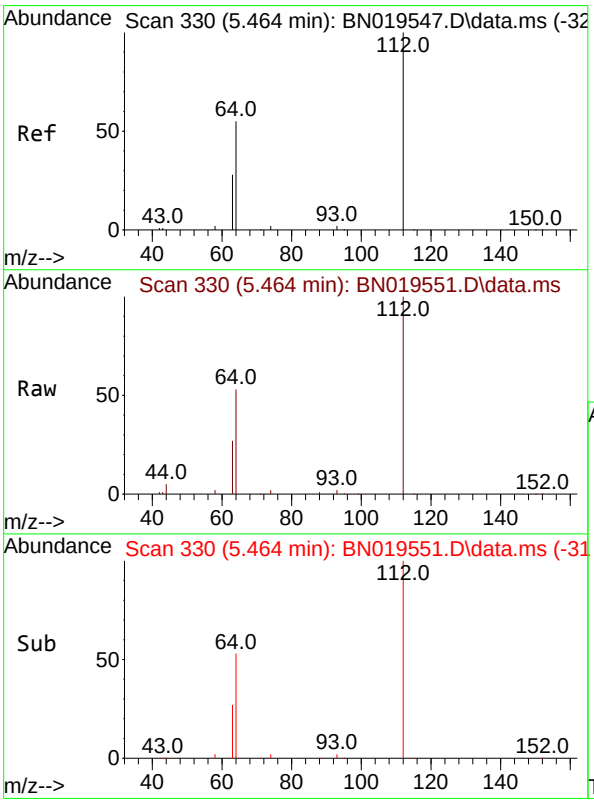
#3
n-Nitrosodimethylamine
Concen: 4.166 ng
RT: 3.687 min Scan# 84
Delta R.T. -0.014 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 27007

Ion	Ratio	Lower	Upper
42	100		
74	121.3	101.8	152.6
44	6.1	8.4	12.6#

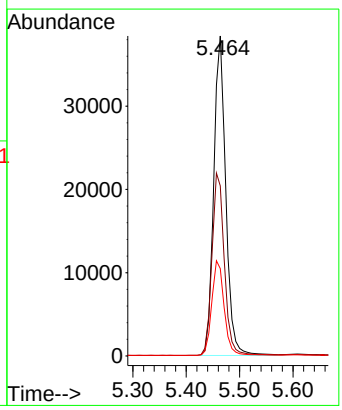


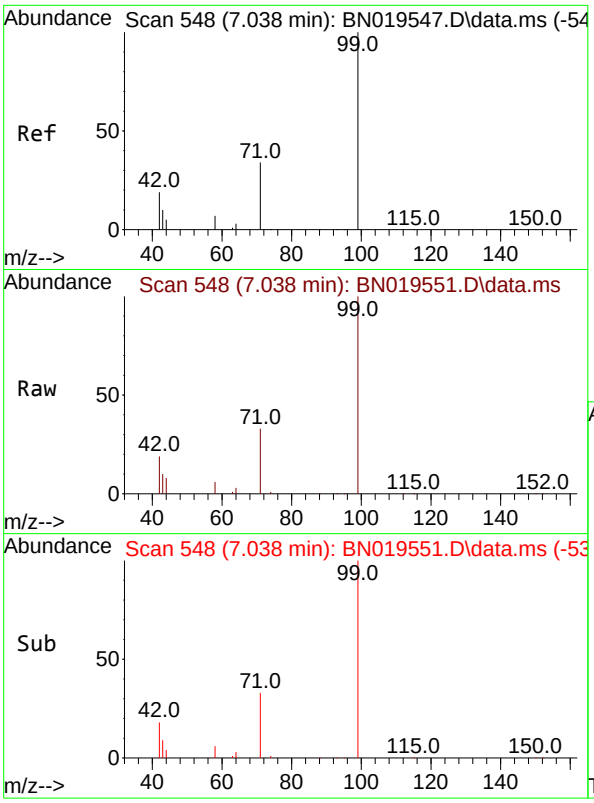


#4
2-Fluorophenol
Concen: 5.298 ng
RT: 5.464 min Scan# 330
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:112 Resp: 60323

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.3	70.9
63	30.5	24.6	36.8



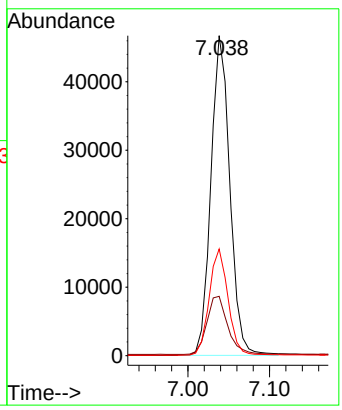


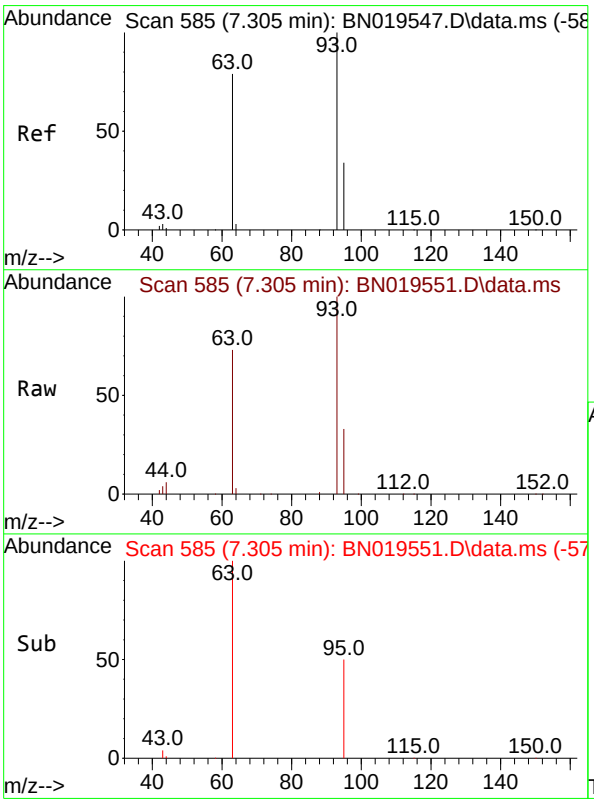
#5
Phenol-d6
Concen: 5.801 ng
RT: 7.038 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 75327

Ion	Ratio	Lower	Upper
99	100		
42	20.1	15.8	23.8
71	33.1	26.5	39.7

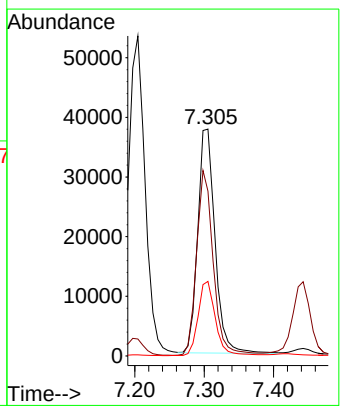


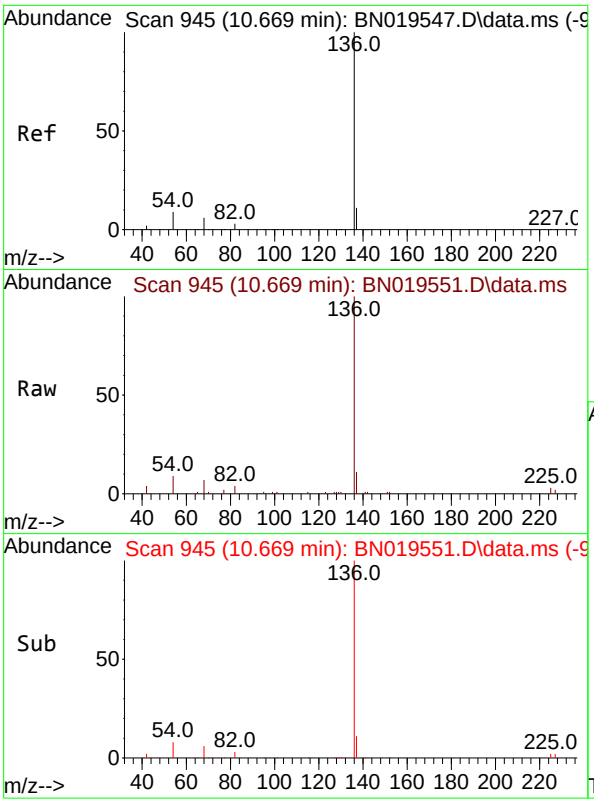


#6
bis(2-Chloroethyl)ether
Concen: 4.752 ng
RT: 7.305 min Scan# 585
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion: 93 Resp: 64927

Ion	Ratio	Lower	Upper
93	100		
63	79.7	65.8	98.8
95	33.2	27.4	41.2



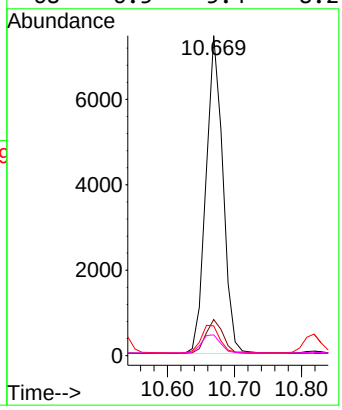


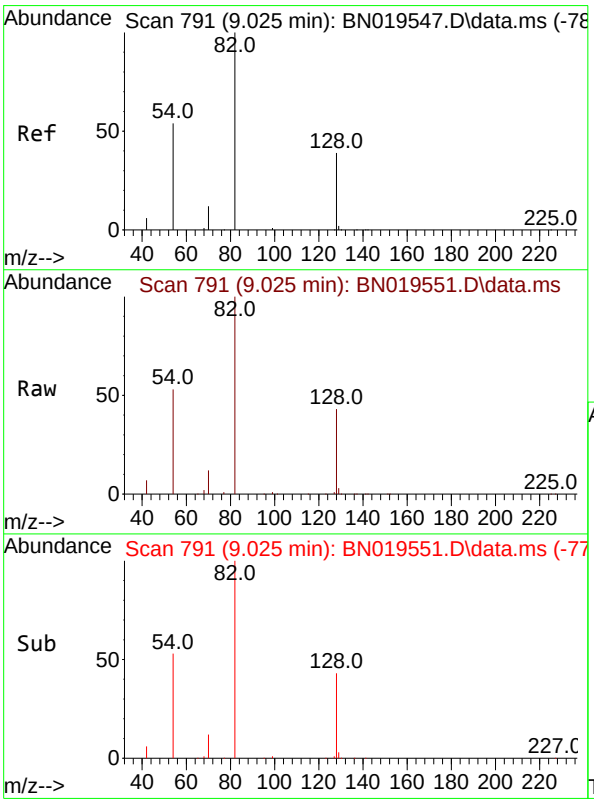
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 12985

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.3	7.8	11.6
68	6.5	5.4	8.2

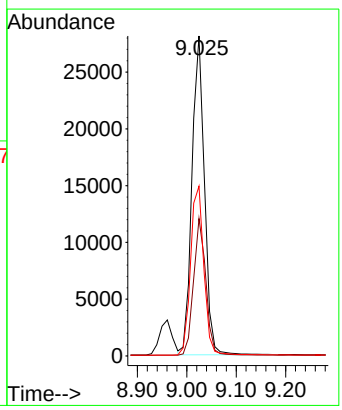


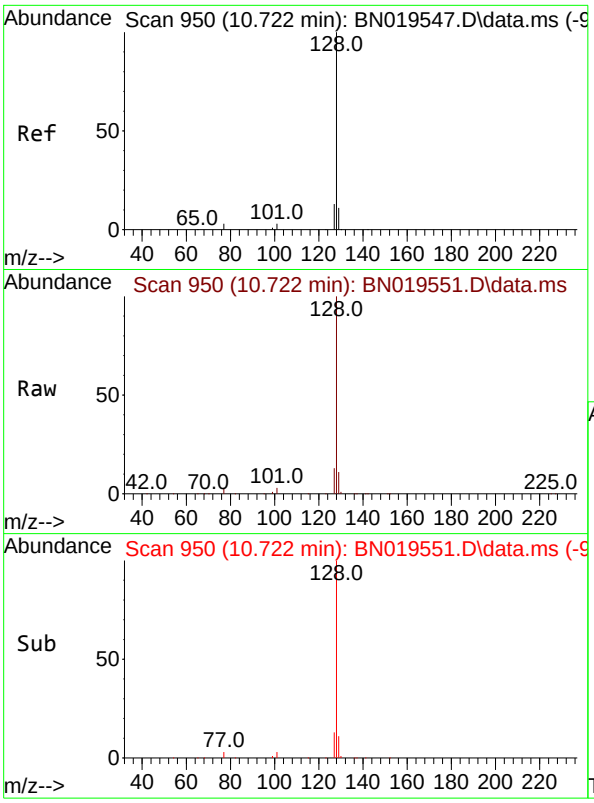


#8
Nitrobenzene-d5
Concen: 5.250 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion: 82 Resp: 49352

Ion	Ratio	Lower	Upper
82	100		
128	42.9	32.4	48.6
54	53.0	44.4	66.6



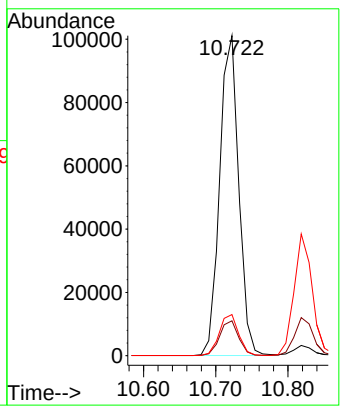


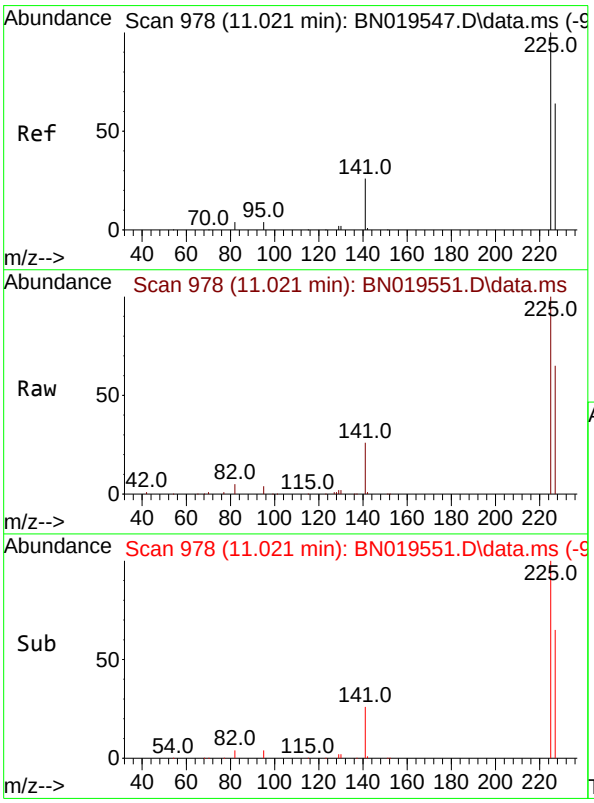
#9
Naphthalene
Concen: 4.897 ng
RT: 10.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 184803

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	12.9	10.8	16.2

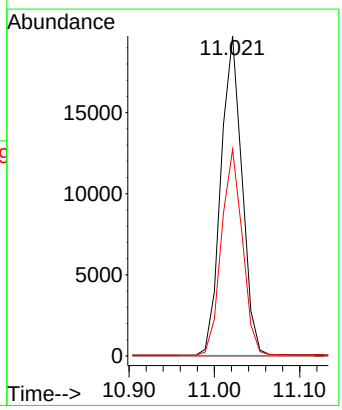


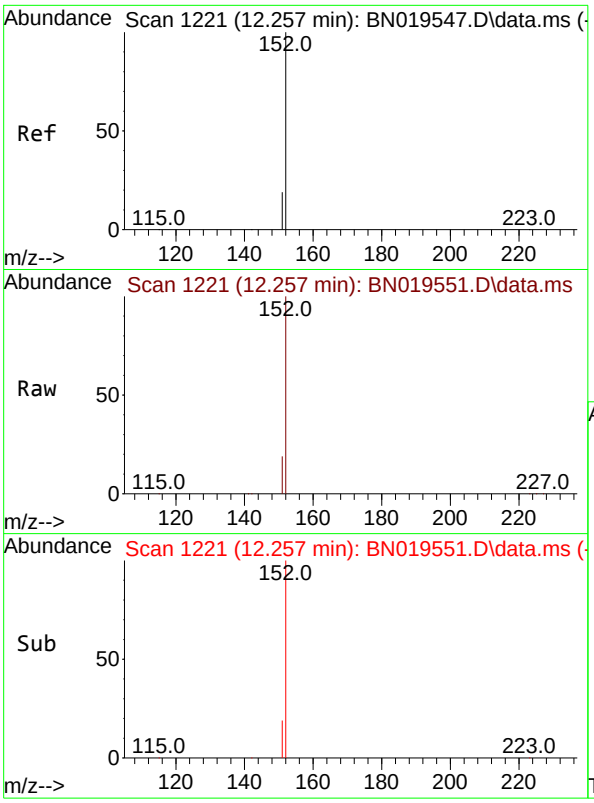


#10
Hexachlorobutadiene
Concen: 4.074 ng
RT: 11.021 min Scan# 978
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:225 Resp: 33748

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.8	76.2



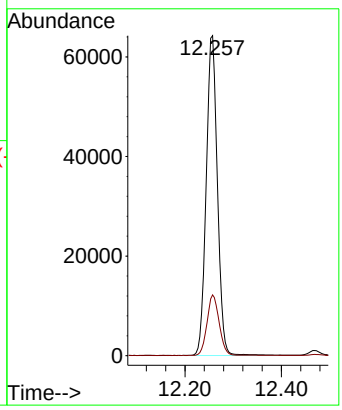


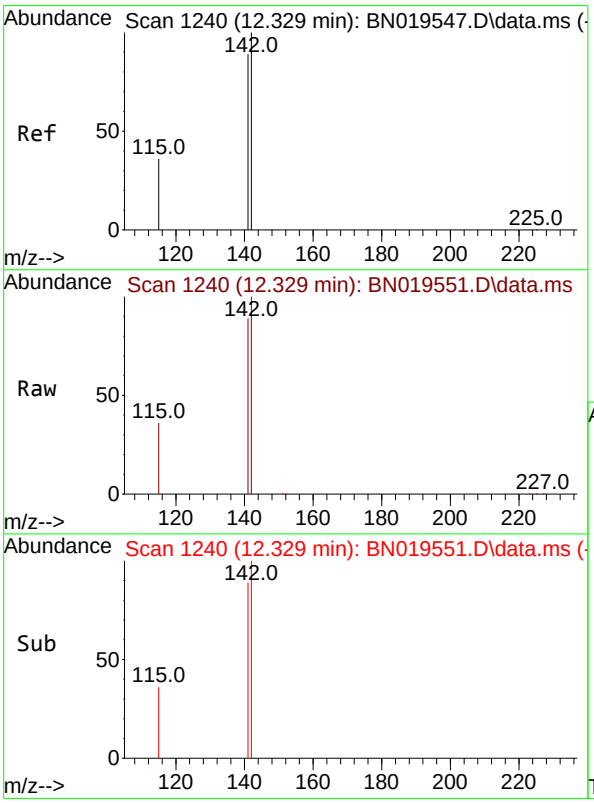
#11
2-Methylnaphthalene-d10
Concen: 4.921 ng
RT: 12.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 103660

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4

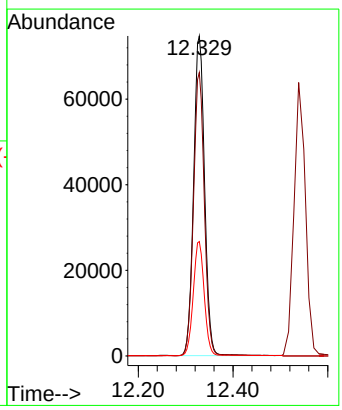


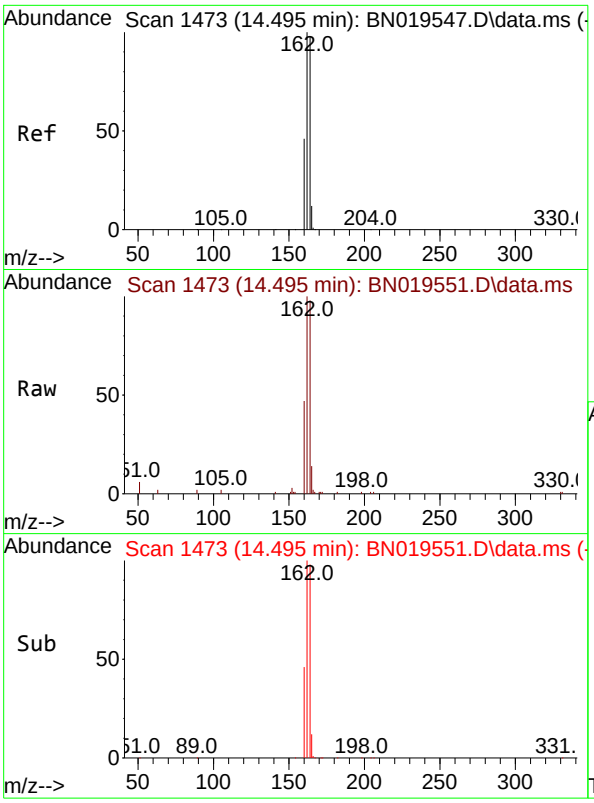


#12
2-Methylnaphthalene
Concen: 4.880 ng
RT: 12.329 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:142 Resp: 119968

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6
115	35.8	29.6	44.4



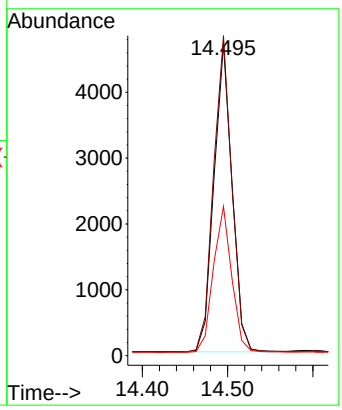


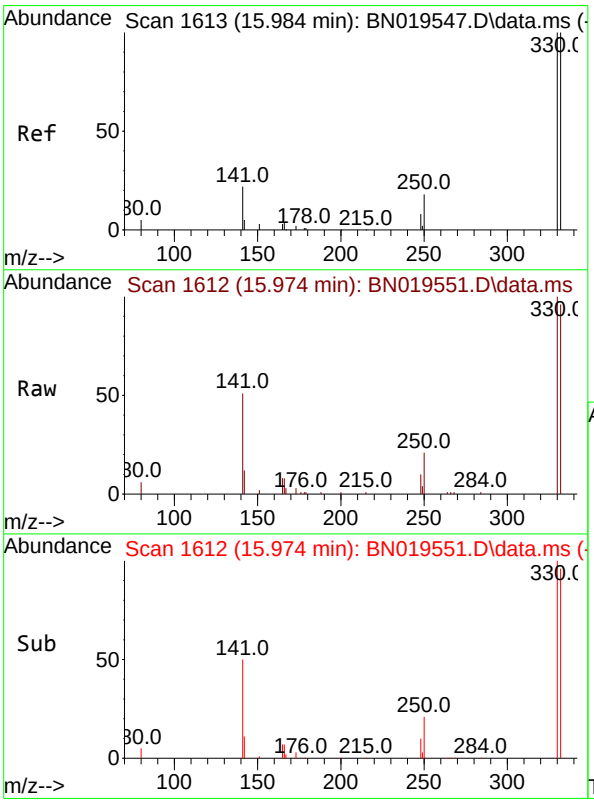
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 6922

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	47.8	38.3	57.5

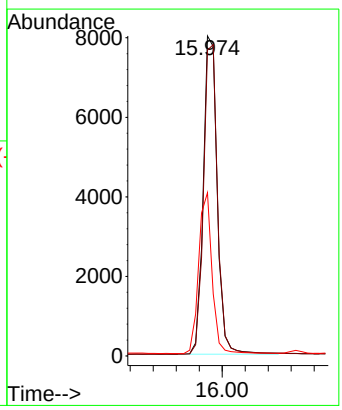


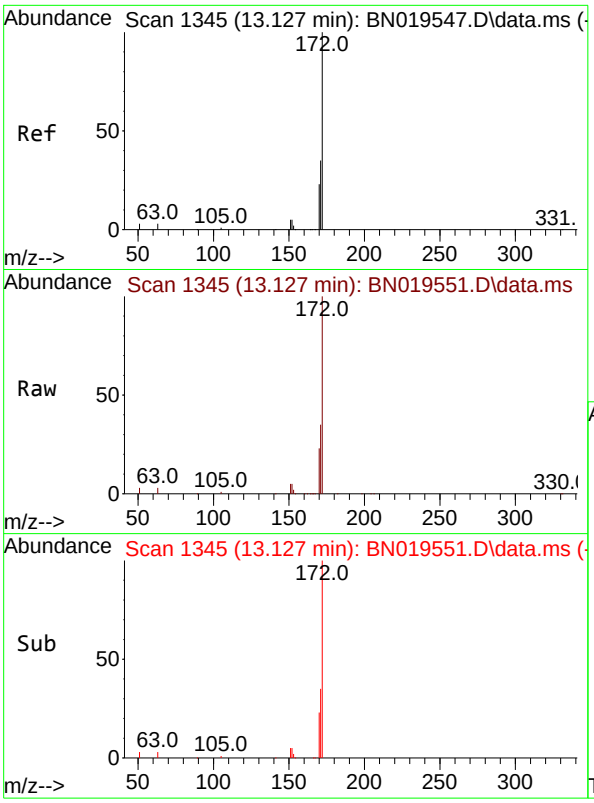


#14
2,4,6-Tribromophenol
Concen: 4.385 ng
RT: 15.974 min Scan# 1612
Delta R.T. -0.010 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:330 Resp: 13564

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.2	114.4
141	48.4	39.7	59.5



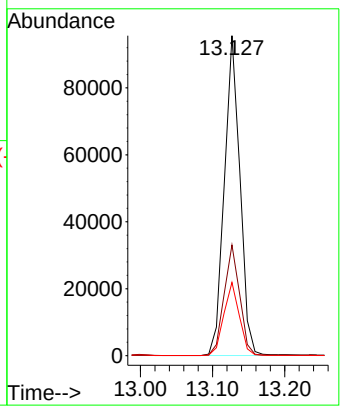


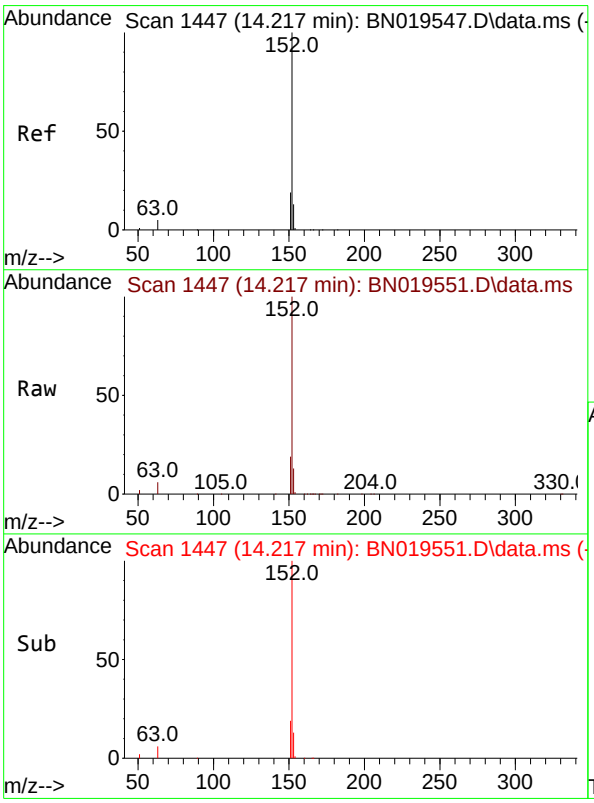
#15
2-Fluorobiphenyl
Concen: 5.192 ng
RT: 13.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 143251

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.0	42.0
170	22.9	19.0	28.4

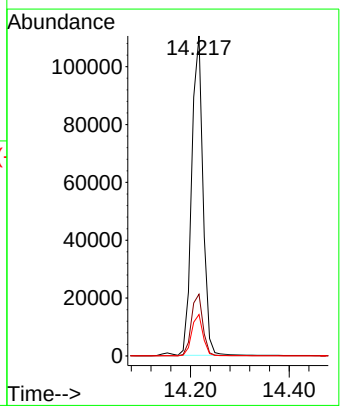


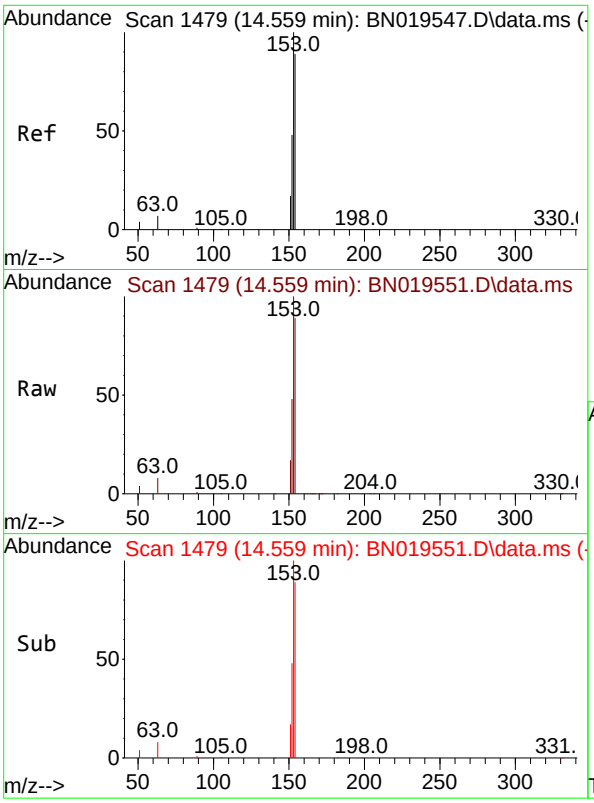


#16
Acenaphthylene
Concen: 5.558 ng
RT: 14.217 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:152 Resp: 175026

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	13.1	10.5	15.7



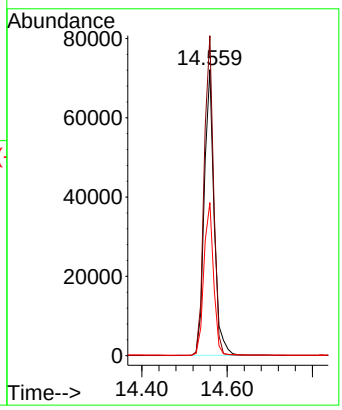


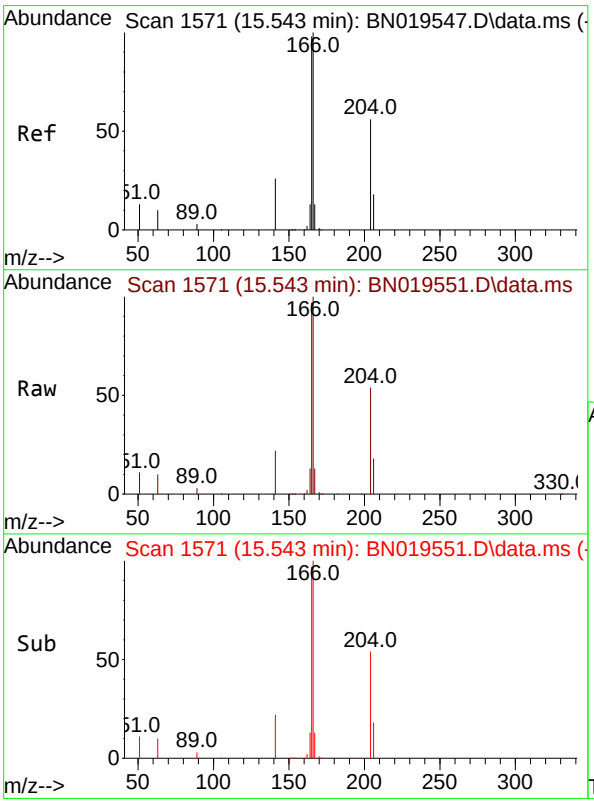
#17
Acenaphthene
Concen: 5.257 ng
RT: 14.559 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 115582

Ion	Ratio	Lower	Upper
154	100		
153	107.8	89.3	133.9
152	52.5	44.1	66.1

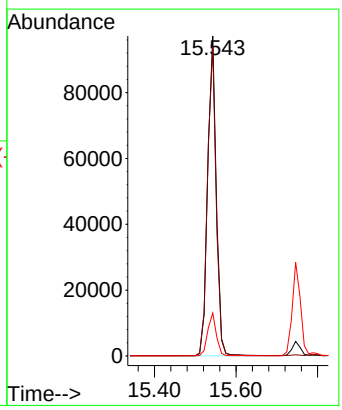


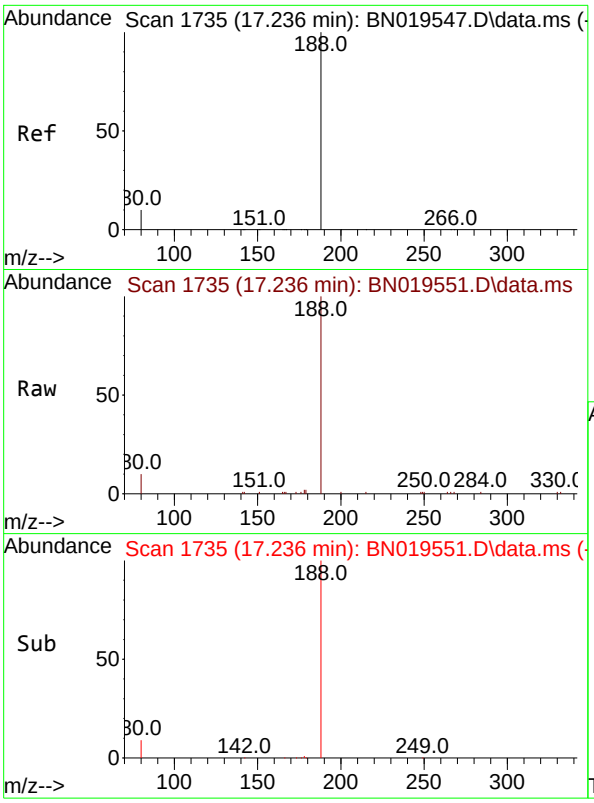


#18
Fluorene
Concen: 4.933 ng
RT: 15.543 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:166 Resp: 142277

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.1	118.7
167	13.4	10.7	16.1



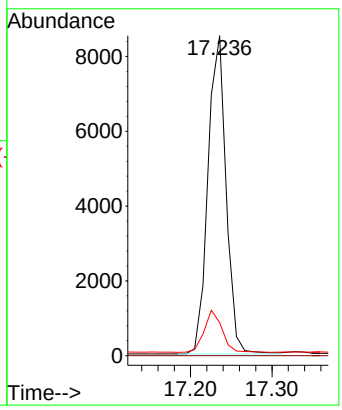


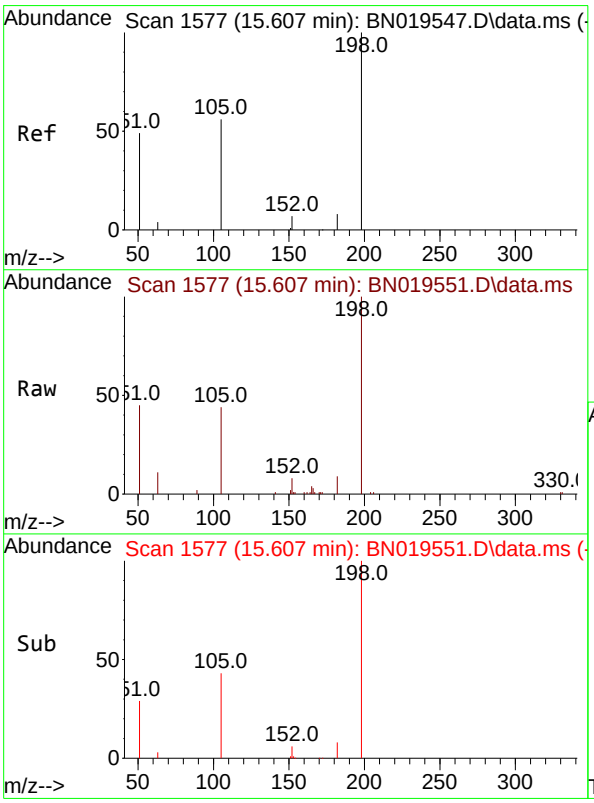
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 13136

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	8.6	12.8

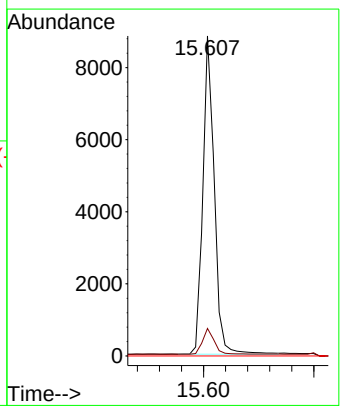


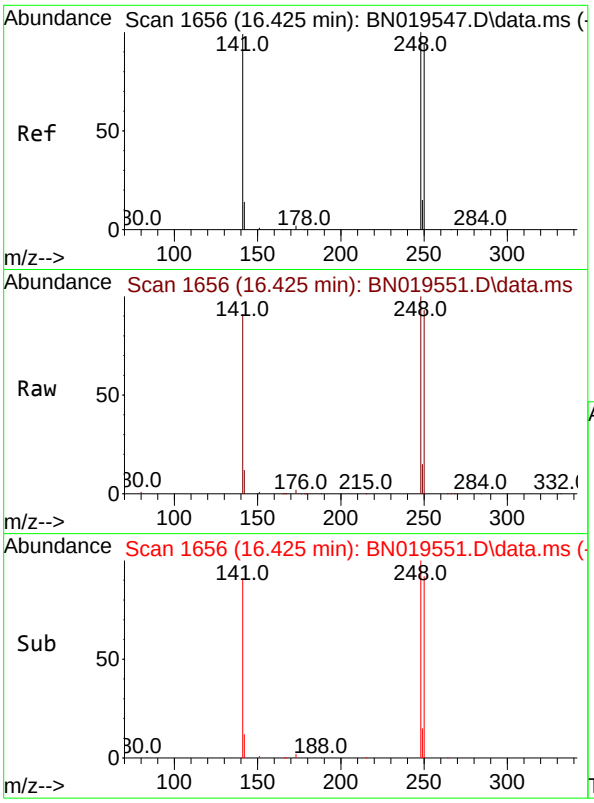


#20
4,6-Dinitro-2-methylphenol
Concen: 9.659 ng
RT: 15.607 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:198 Resp: 12749

Ion	Ratio	Lower	Upper
198	100		
182	8.6	16.9	25.3#
77	0.0	0.0	0.0



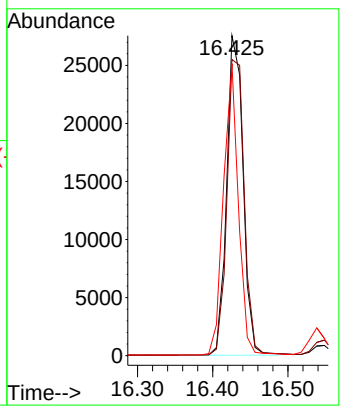


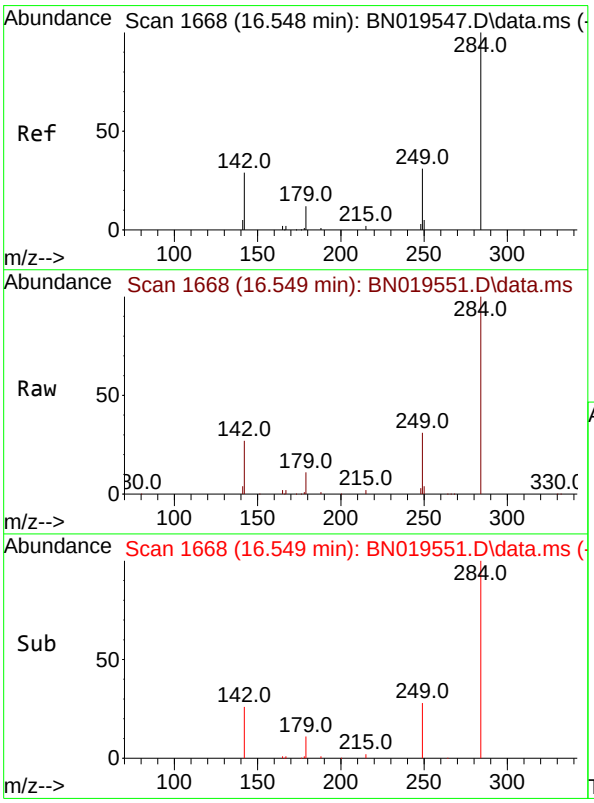
#21
4-Bromophenyl-phenylether
Concen: 5.186 ng
RT: 16.425 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:248 Resp: 41713

Ion	Ratio	Lower	Upper
248	100		
250	92.5	75.5	113.3
141	91.2	79.9	119.9

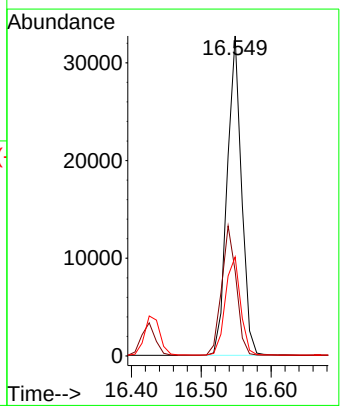


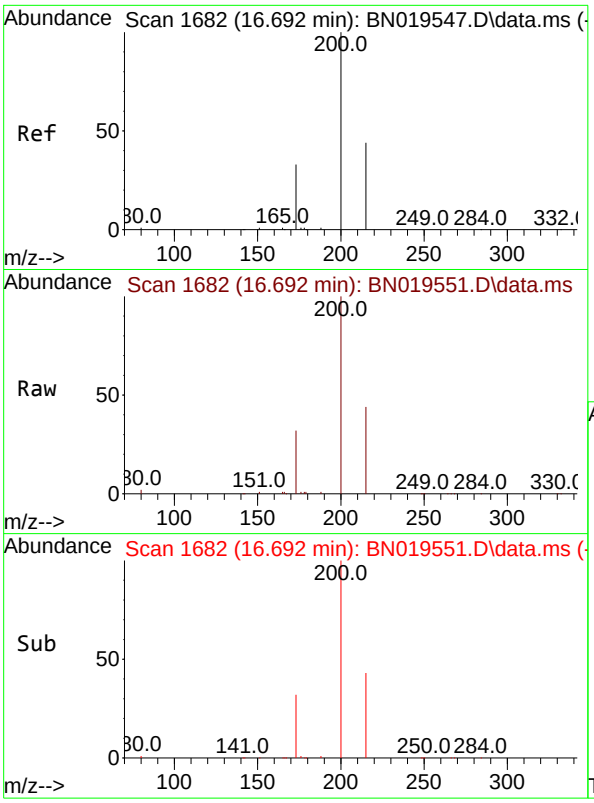


#22
Hexachlorobenzene
Concen: 4.669 ng
RT: 16.549 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:284 Resp: 46787

Ion	Ratio	Lower	Upper
284	100		
142	41.3	33.2	49.8
249	32.5	26.4	39.6



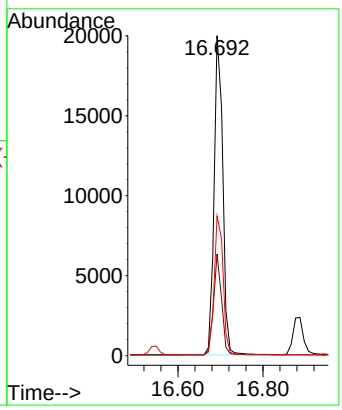


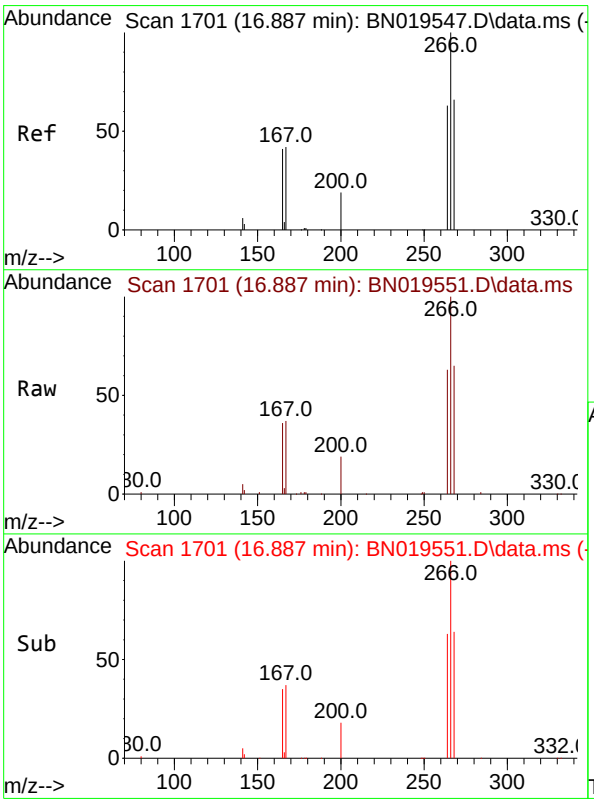
#23
Atrazine
Concen: 4.944 ng
RT: 16.692 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:200 Resp: 28140

Ion	Ratio	Lower	Upper
200	100		
173	31.8	28.5	42.7
215	43.6	37.0	55.4

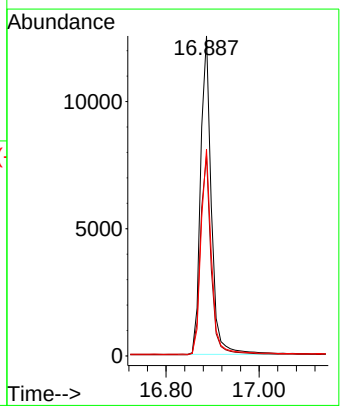


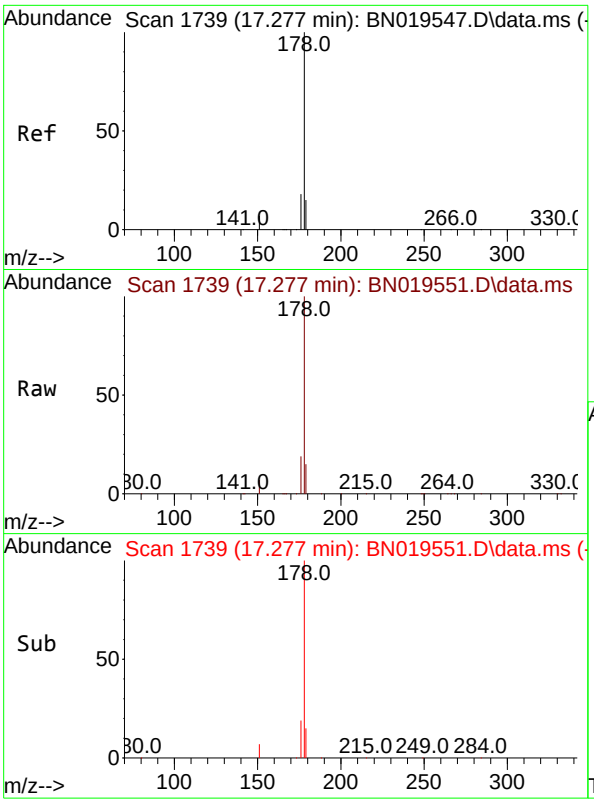


#24
Pentachlorophenol
Concen: 10.177 ng
RT: 16.887 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:266 Resp: 20007

Ion	Ratio	Lower	Upper
266	100		
264	62.5	48.0	72.0
268	63.4	54.2	81.2



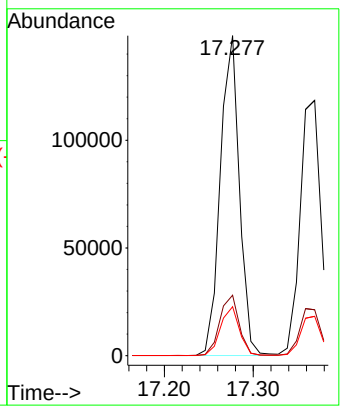


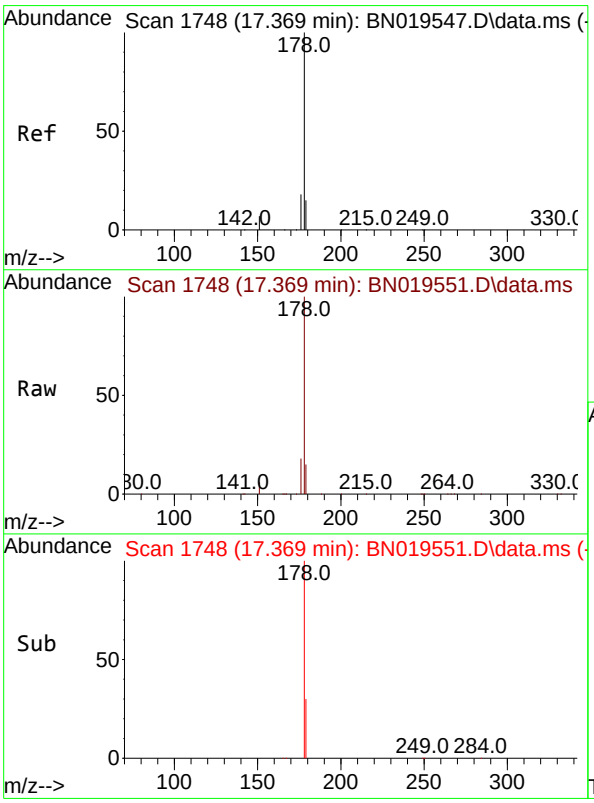
#25
Phenanthrene
Concen: 5.341 ng
RT: 17.277 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 221490

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.2	12.1	18.1

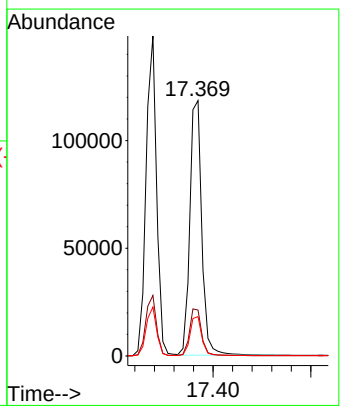


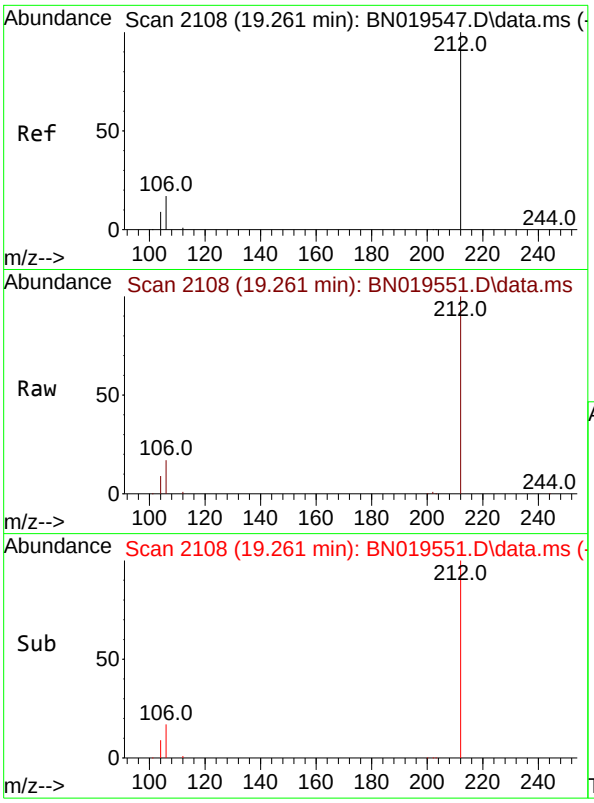


#26
Anthracene
Concen: 5.959 ng
RT: 17.369 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:178 Resp: 199742

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.3	21.5
179	15.2	12.2	18.4



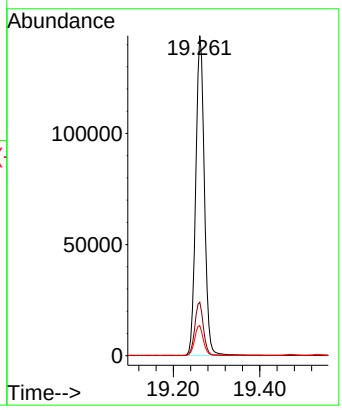


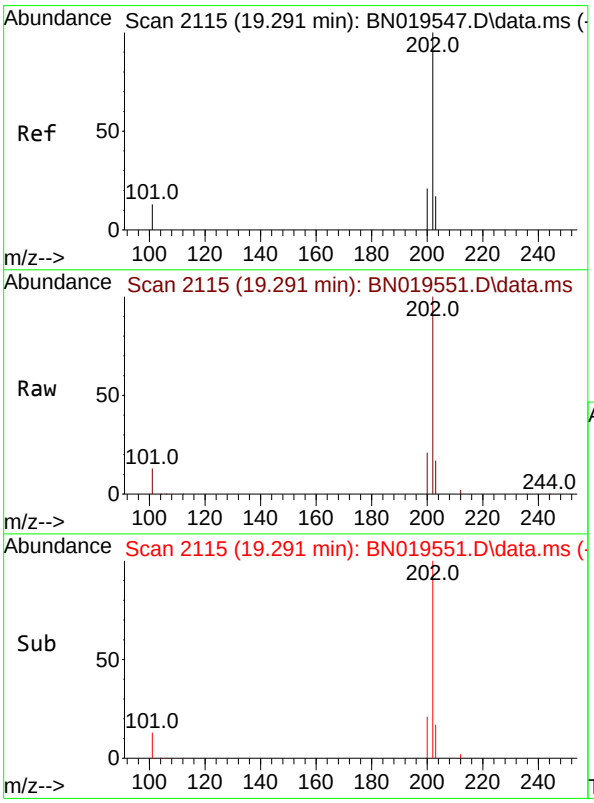
#27
Fluoranthene-d10
Concen: 5.199 ng
RT: 19.261 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 199629

Ion	Ratio	Lower	Upper
212	100		
106	16.7	13.5	20.3
104	9.3	7.6	11.4

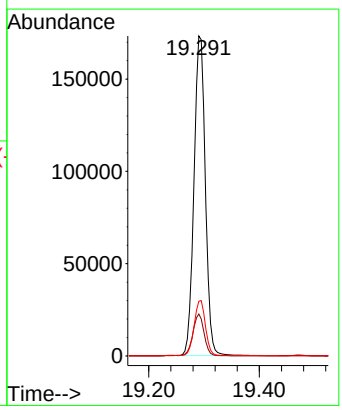


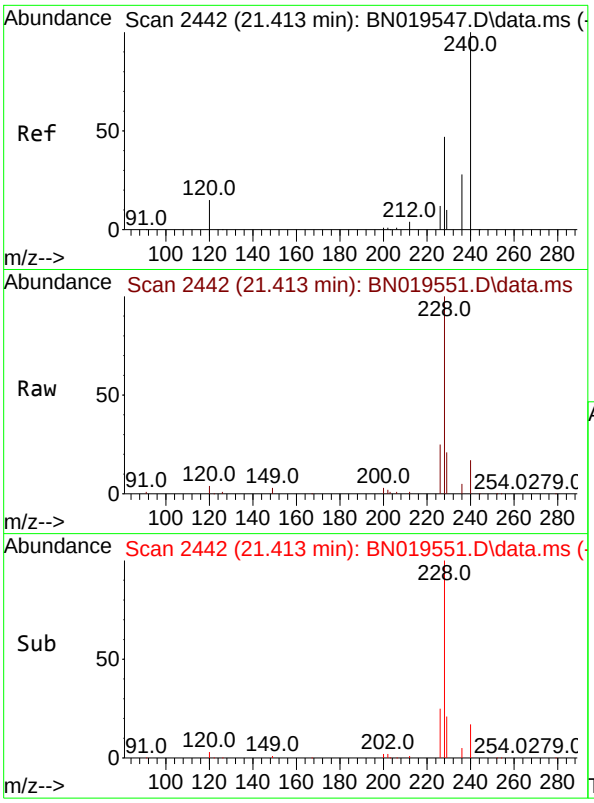


#28
Fluoranthene
Concen: 5.190 ng
RT: 19.291 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:202 Resp: 246586

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.6	15.8
203	17.2	13.6	20.4



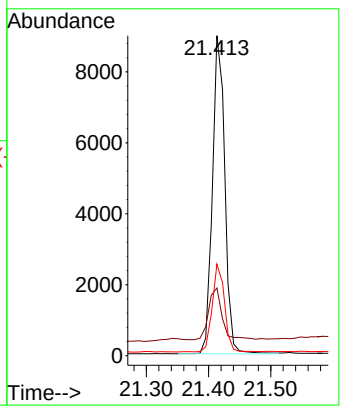


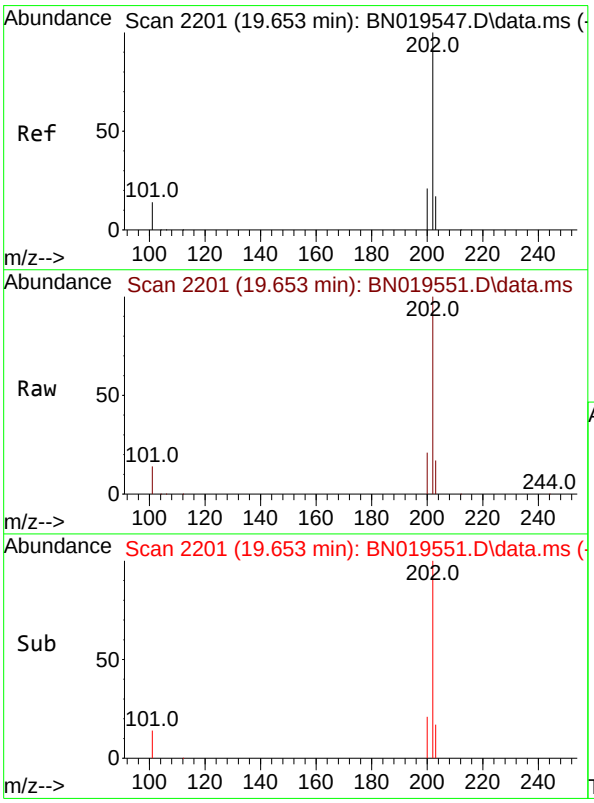
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.413 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 12417

Ion	Ratio	Lower	Upper
240	100		
120	21.2	17.4	26.2
236	28.6	23.0	34.4

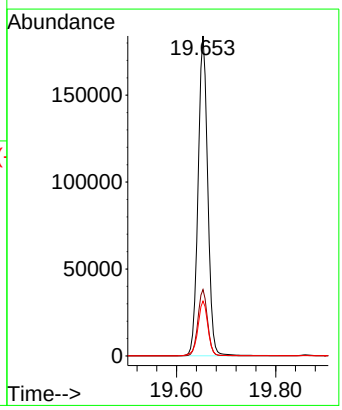


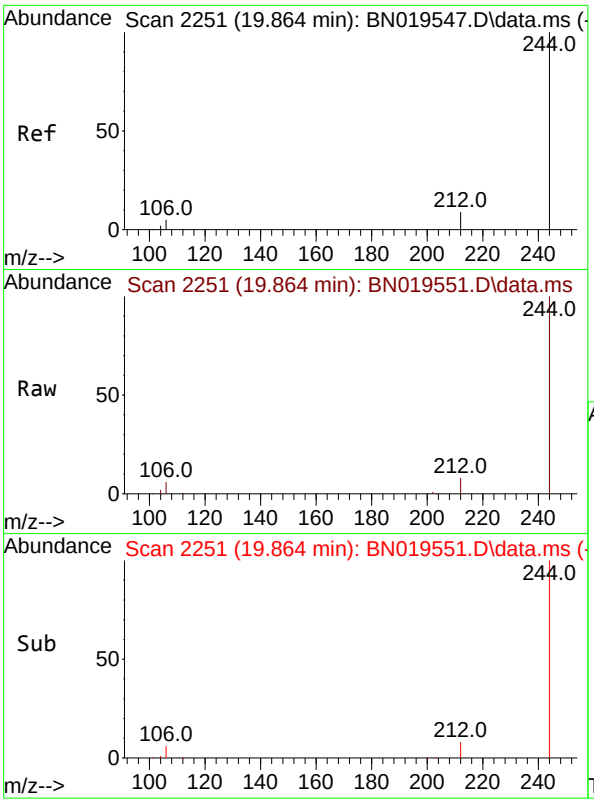


#30
Pyrene
Concen: 4.228 ng
RT: 19.653 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:202 Resp: 248774

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.7	14.2	21.4



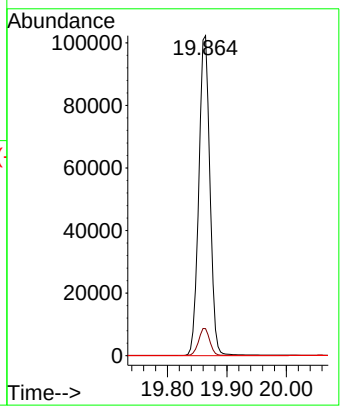


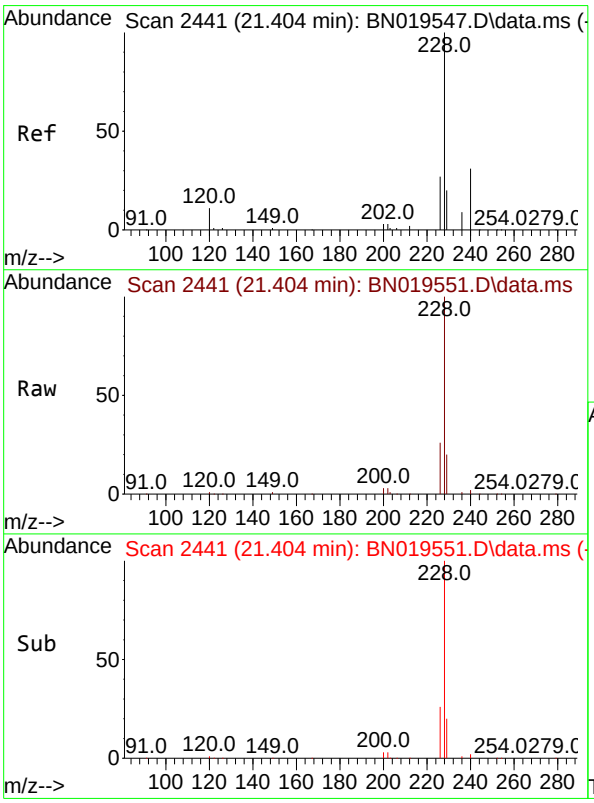
#31
Terphenyl-d14
Concen: 4.730 ng
RT: 19.864 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 132603

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.6	11.4
122	0.0	0.0	0.0

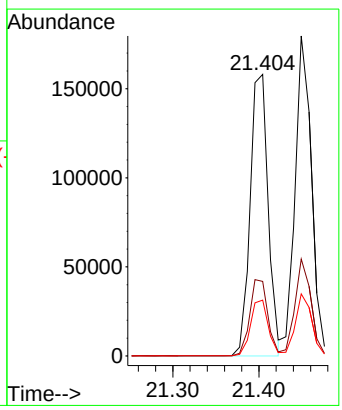


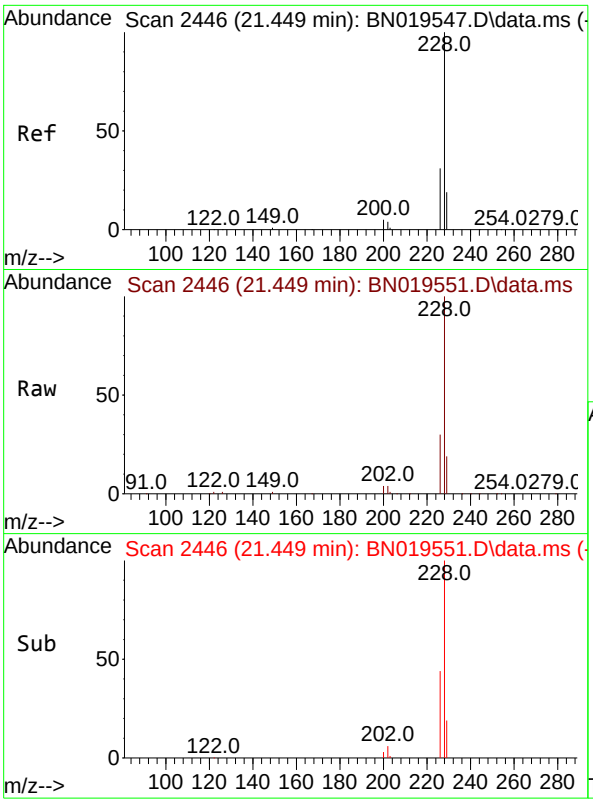


#32
Benzo(a)anthracene
Concen: 5.935 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:228 Resp: 229197

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.6	32.4
229	19.8	16.5	24.7



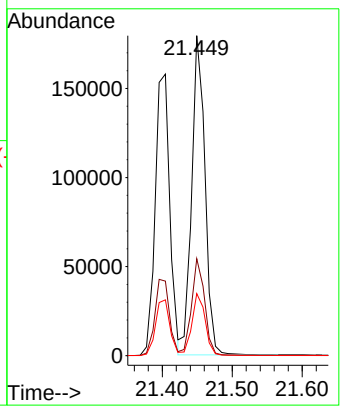


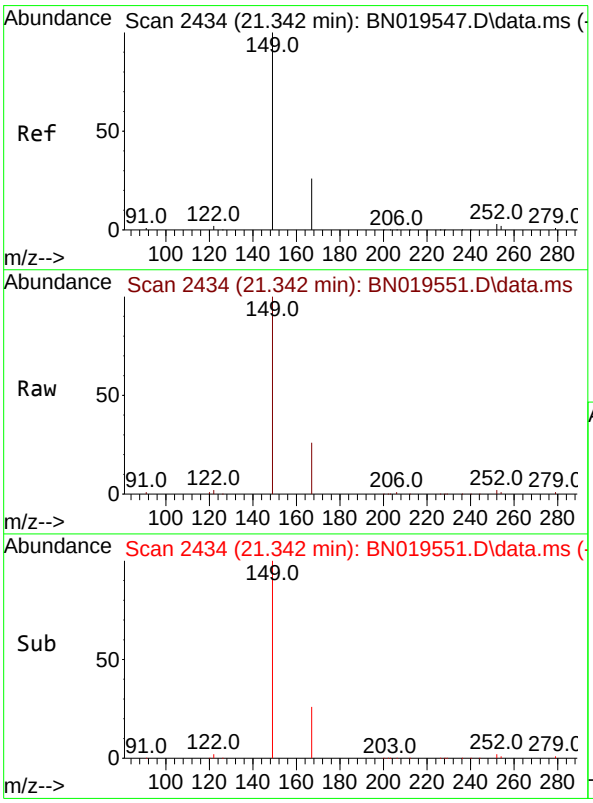
#33
Chrysene
Concen: 4.850 ng
RT: 21.449 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 236738

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	36.8
229	19.4	15.9	23.9

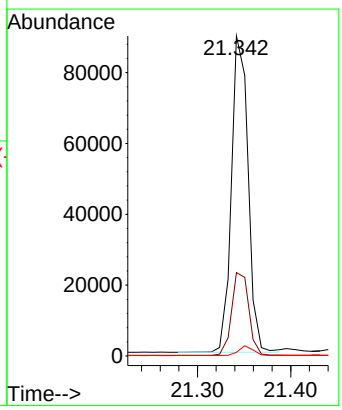


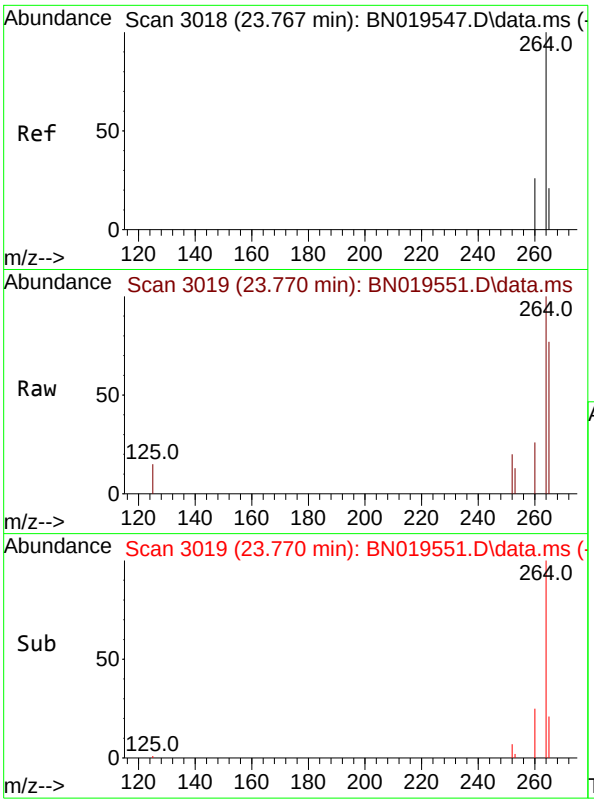


#34
Bis(2-ethylhexyl)phthalate
Concen: 4.893 ng
RT: 21.342 min Scan# 2434
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:149 Resp: 111157

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.7	32.5
279	2.7	2.8	4.2#



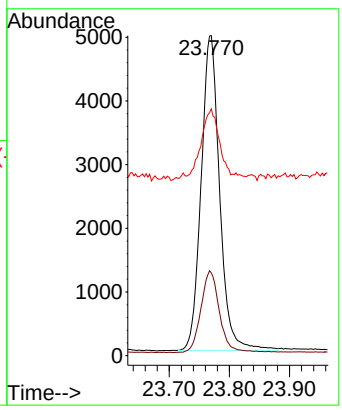


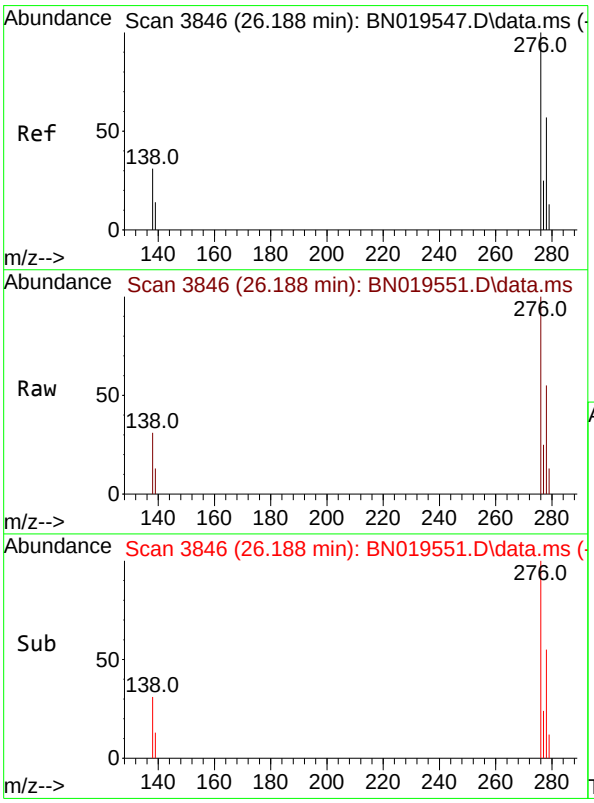
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.770 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 10562

Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.0	31.6
265	77.1	67.9	101.9

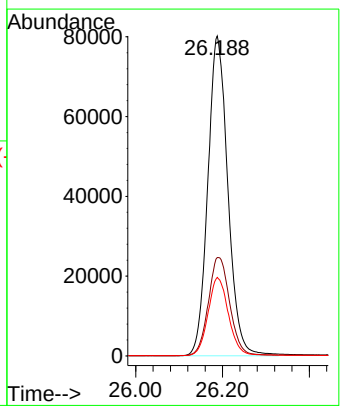


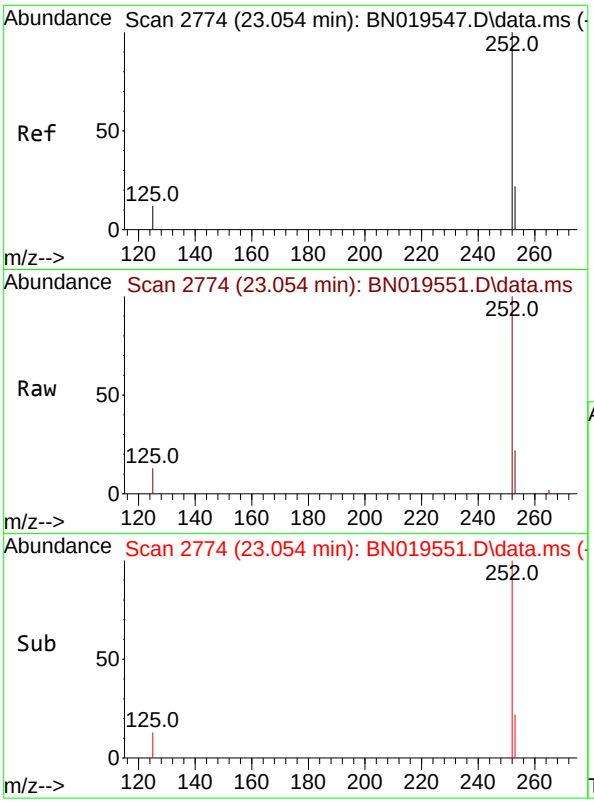


#36
Indeno(1,2,3-cd)pyrene
Concen: 6.289 ng
RT: 26.188 min Scan# 3846
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:276 Resp: 256625

Ion	Ratio	Lower	Upper
276	100		
138	32.8	26.6	40.0
277	24.9	20.0	30.0



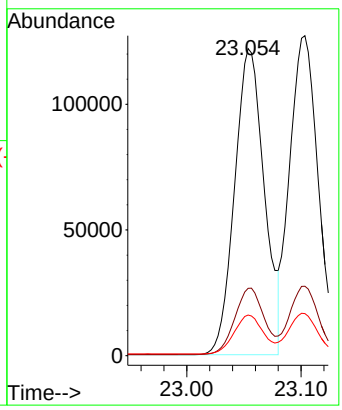


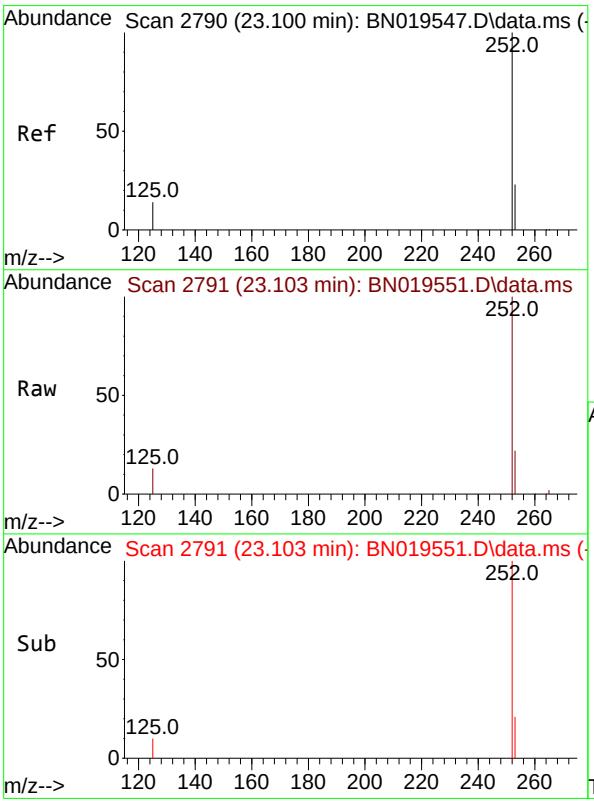
#37
Benzo(b)fluoranthene
Concen: 5.421 ng
RT: 23.054 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 220323

Ion	Ratio	Lower	Upper
252	100		
253	21.9	21.2	31.8
125	13.2	15.9	23.9#

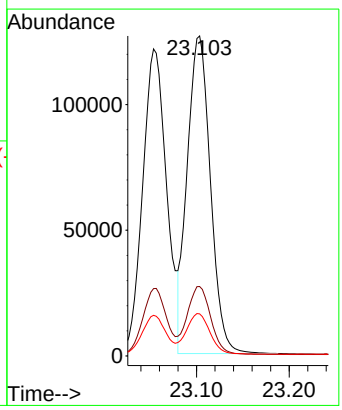


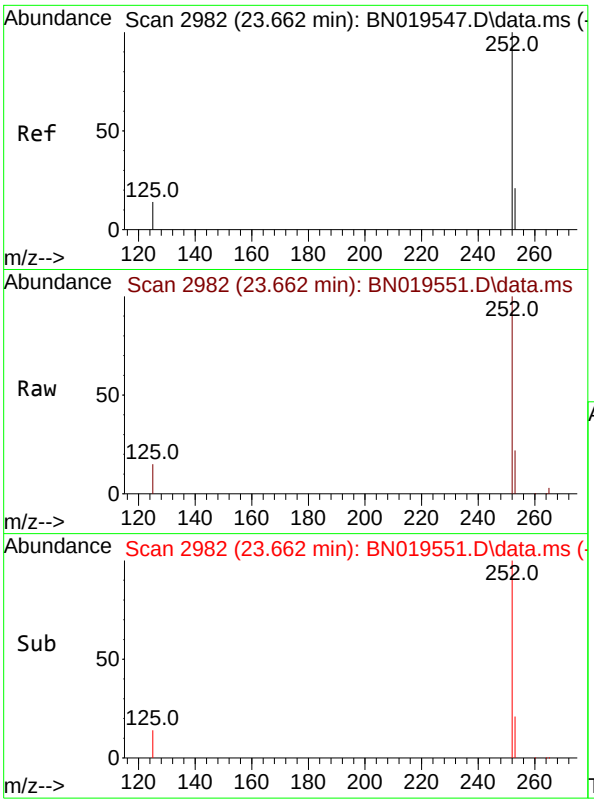


#38
Benzo(k)fluoranthene
Concen: 5.064 ng
RT: 23.103 min Scan# 2791
Delta R.T. 0.003 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:252 Resp: 219668

Ion	Ratio	Lower	Upper
252	100		
253	21.7	21.7	32.5
125	13.2	17.0	25.4#



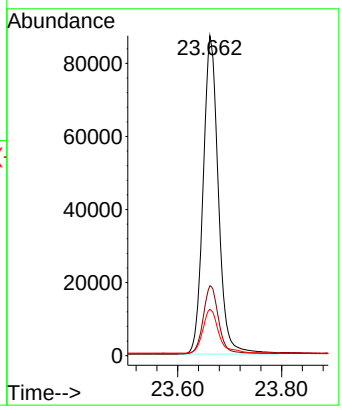


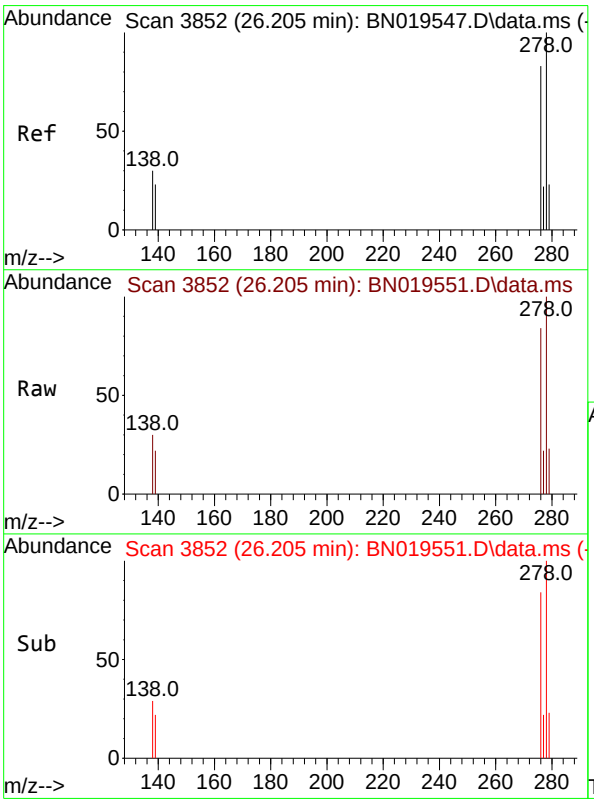
#39
Benzo(a)pyrene
Concen: 4.936 ng
RT: 23.662 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 176663

Ion	Ratio	Lower	Upper
252	100		
253	21.8	23.1	34.7#
125	14.5	20.4	30.6#

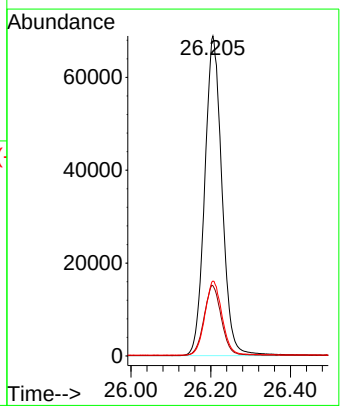


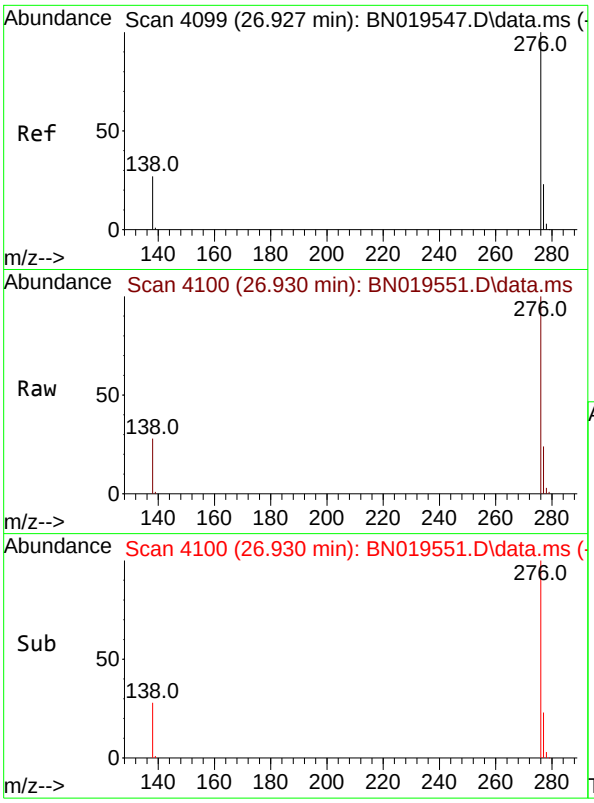


#40
Dibenzo(a,h)anthracene
Concen: 6.782 ng
RT: 26.205 min Scan# 3852
Delta R.T. 0.000 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Tgt Ion:278 Resp: 206540

Ion	Ratio	Lower	Upper
278	100		
139	21.9	19.4	29.2
279	23.4	21.8	32.8





#41
Benzo(g,h,i)perylene
Concen: 5.181 ng
RT: 26.930 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN019551.D
Acq: 27 Apr 2022 18:53

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 216966

Ion	Ratio	Lower	Upper
276	100		
277	23.6	20.2	30.2
138	28.2	23.5	35.3