Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042822\
Data File : BN019547.D
Acq On : 27 Apr 2022 16:30
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Apr 28 02:20:28 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	5164	0.400	ng		0.00
7) Naphthalene-d8	10.669	136	13997	0.400	ng		0.00
13) Acenaphthene-d10	14.495	164	7006	0.400	ng		0.00
19) Phenanthrene-d10	17.236	188	13085	0.400	ng		0.00
29) Chrysene-d12	21.413	240	11036	0.400	ng		0.00
35) Perylene-d12	23.767	264	9915	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.464	112	5165	0.467	ng		0.00
5) Phenol-d6	7.038	99	6055	0.480	ng		0.00
8) Nitrobenzene-d5	9.025	82	3764	0.371	ng		0.00
11) 2-Methylnaphthalene-d10	12.257	152	8698	0.383	ng		0.00
14) 2,4,6-Tribromophenol	15.984	330	811	0.259	ng		0.00
15) 2-Fluorobiphenyl	13.127	172	12095	0.433	ng		0.00
27) Fluoranthene-d10	19.261	212	14586	0.381	ng		0.00
31) Terphenyl-d14	19.864	244	9905	0.398	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.384	88	2419	0.356	ng		100
3) n-Nitrosodimethylamine	3.701	42	1709	0.271	ng		100
6) bis(2-Chloroethyl)ether	7.305	93	5178	0.390	ng		100
9) Naphthalene	10.722	128	16004	0.393	ng		100
10) Hexachlorobutadiene	11.021	225	3050	0.342	ng	#	100
12) 2-Methylnaphthalene	12.329	142	10112	0.382	ng		100
16) Acenaphthylene	14.217	152	11979	0.376	ng		100
17) Acenaphthene	14.559	154	8895	0.400	ng		100
18) Fluorene	15.543	166	10904	0.374	ng		100
20) 4,6-Dinitro-2-methylph...	15.607	198	571	0.434	ng		100
21) 4-Bromophenyl-phenylether	16.425	248	3188	0.398	ng		100
22) Hexachlorobenzene	16.548	284	3794	0.380	ng		100
23) Atrazine	16.692	200	1750	0.309	ng		100
24) Pentachlorophenol	16.887	266	1139	0.582	ng		100
25) Phenanthrene	17.277	178	17422	0.422	ng		100
26) Anthracene	17.369	178	14047	0.421	ng		100
28) Fluoranthene	19.291	202	18230	0.385	ng		100
30) Pyrene	19.653	202	18535	0.354	ng		100
32) Benzo(a)anthracene	21.404	228	15486	0.451	ng		100
33) Chrysene	21.449	228	17611	0.406	ng		100
34) Bis(2-ethylhexyl)phtha...	21.342	149	6834	0.338	ng		100
36) Indeno(1,2,3-cd)pyrene	26.188	276	18865	0.493	ng		100
37) Benzo(b)fluoranthene	23.054	252	16122	0.423	ng		100
38) Benzo(k)fluoranthene	23.100	252	16375	0.402	ng		100
39) Benzo(a)pyrene	23.662	252	12406	0.369	ng		100
40) Dibenzo(a,h)anthracene	26.205	278	15334	0.536	ng		100
41) Benzo(g,h,i)perylene	26.927	276	16619	0.423	ng		100

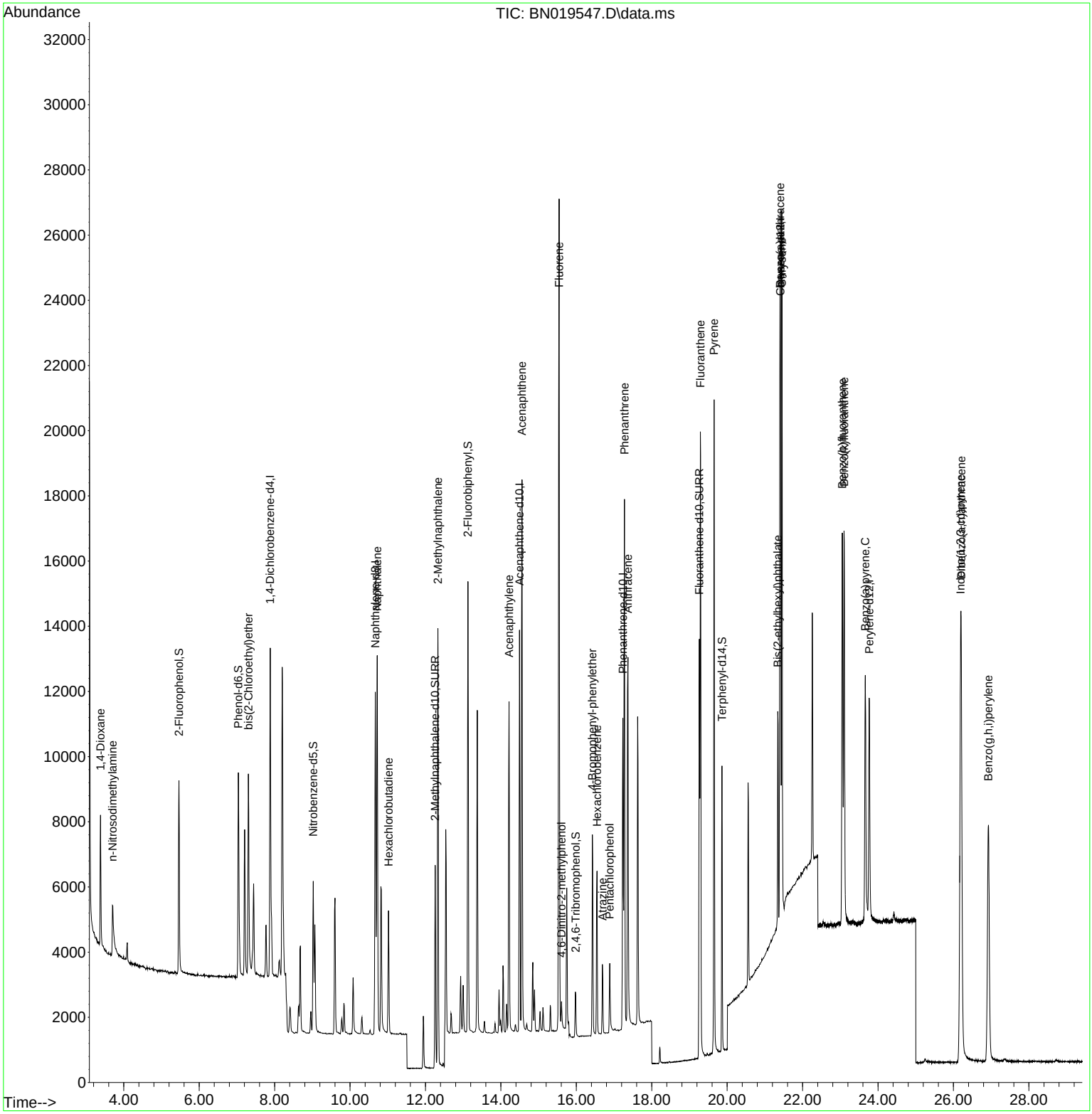
(#) = qualifier out of range (m) = manual integration (+) = signals summed

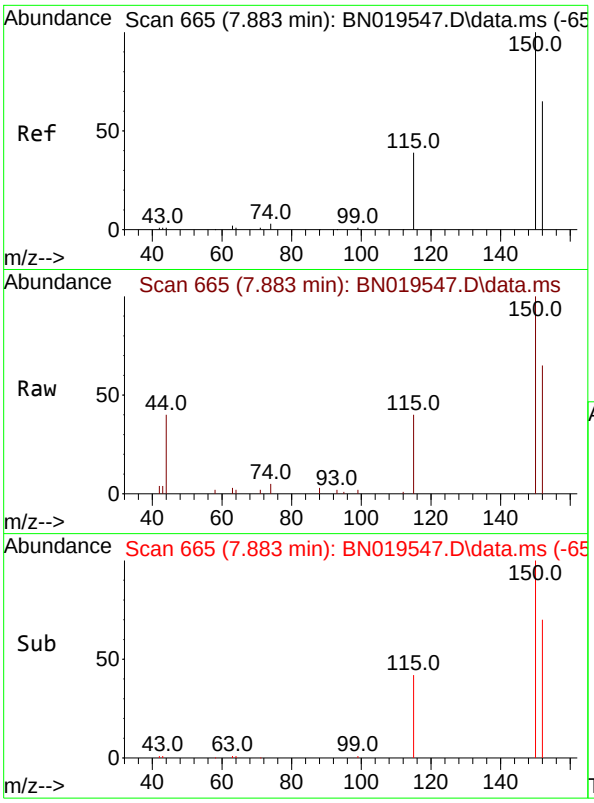
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042822\
Data File : BN019547.D
Acq On : 27 Apr 2022 16:30
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Apr 28 02:20:28 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



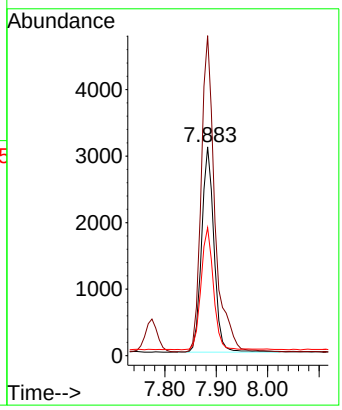


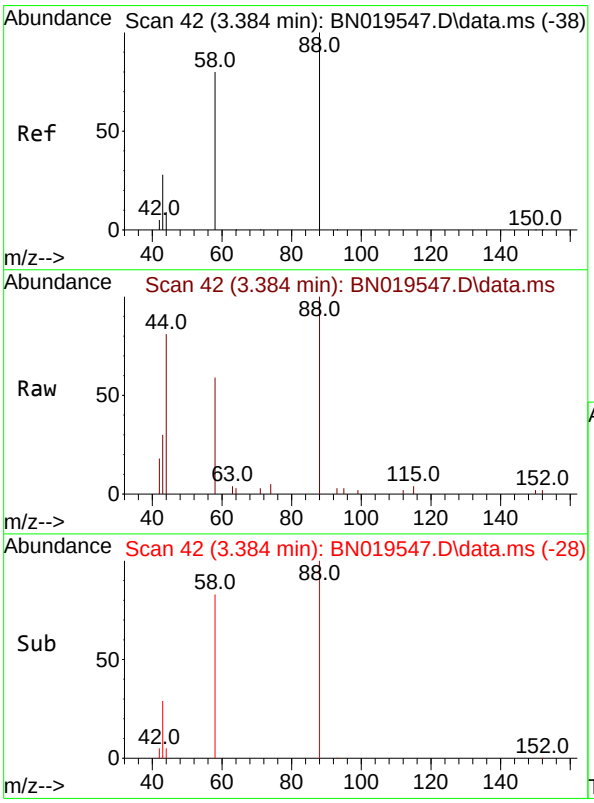
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.883 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 5164

Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.6	183.8
115	61.3	49.0	73.6

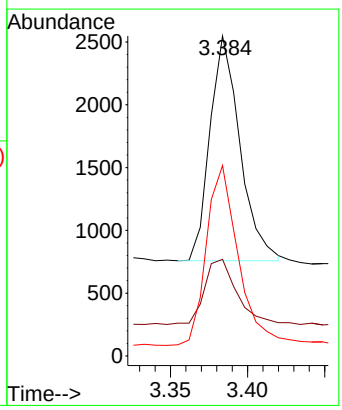


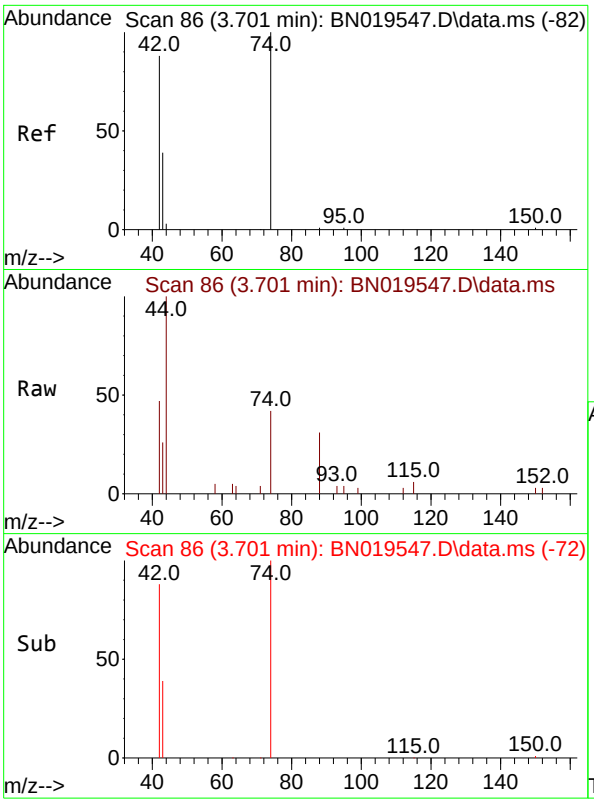


#2
1,4-Dioxane
Concen: 0.356 ng
RT: 3.384 min Scan# 42
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion: 88 Resp: 2419

Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.2	37.8
58	84.5	67.6	101.4



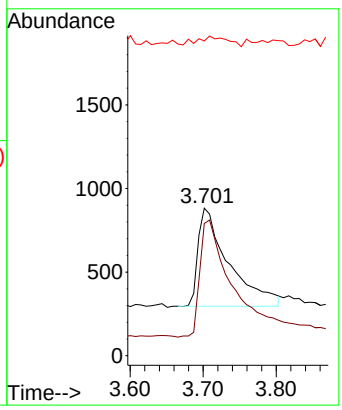


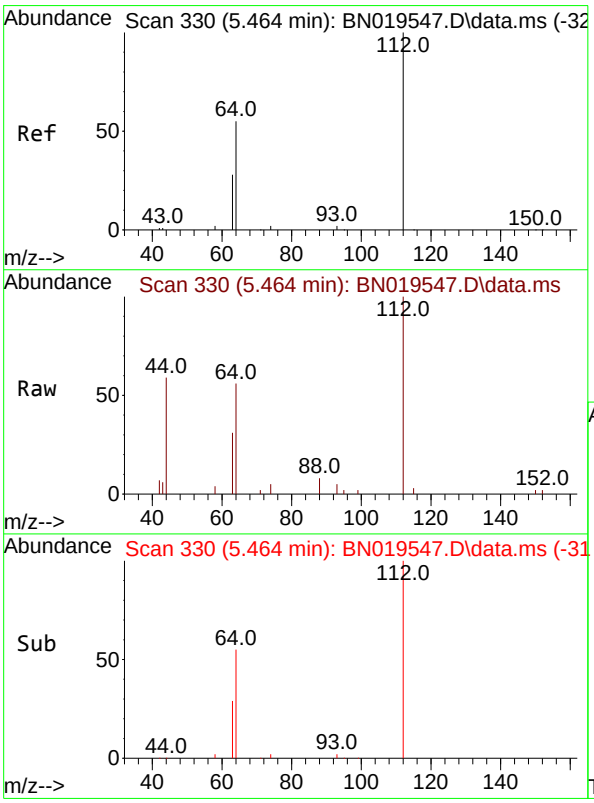
#3
n-Nitrosodimethylamine
Concen: 0.271 ng
RT: 3.701 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1709

Ion	Ratio	Lower	Upper
42	100		
74	127.2	101.8	152.6
44	10.5	8.4	12.6

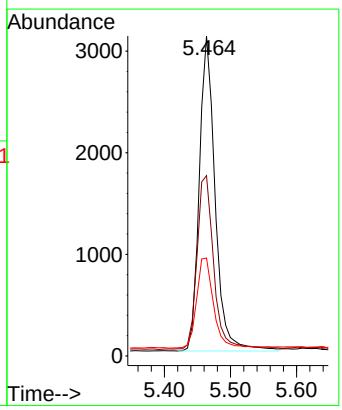


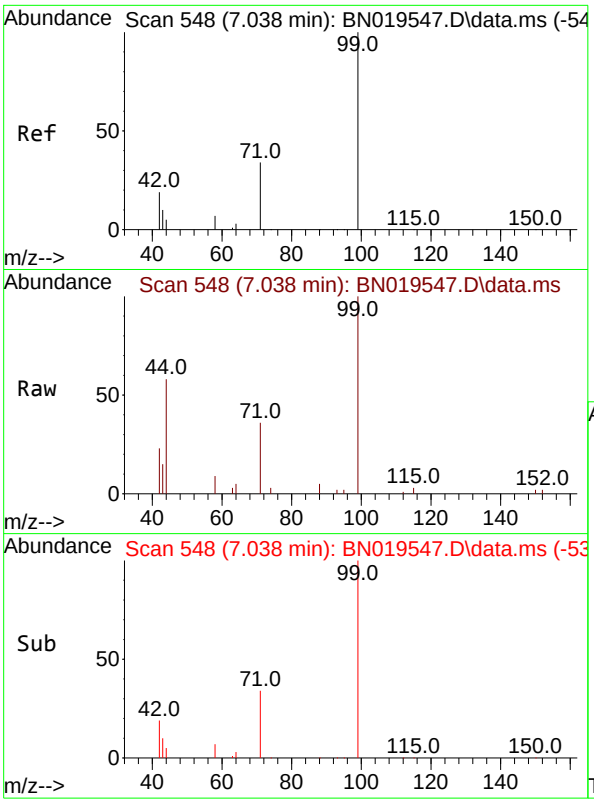


#4
2-Fluorophenol
Concen: 0.467 ng
RT: 5.464 min Scan# 330
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:112 Resp: 5165

Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.3	70.9
63	30.7	24.6	36.8



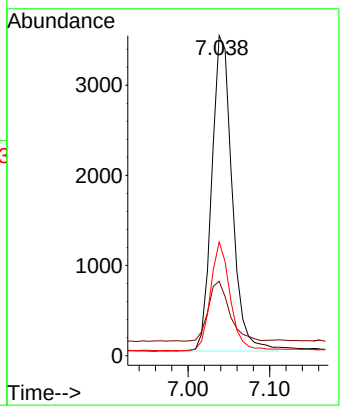


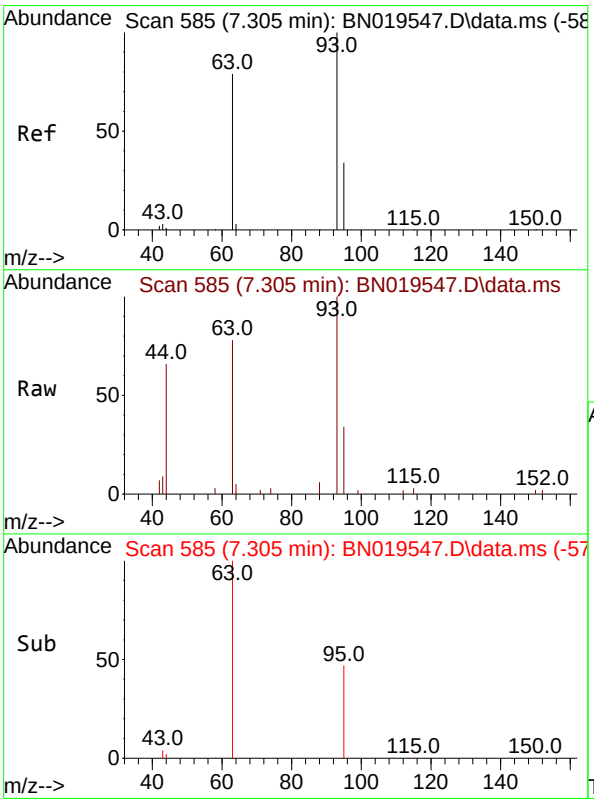
#5
Phenol-d6
Concen: 0.480 ng
RT: 7.038 min Scan# 54
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 6055

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.8	23.8
71	33.1	26.5	39.7

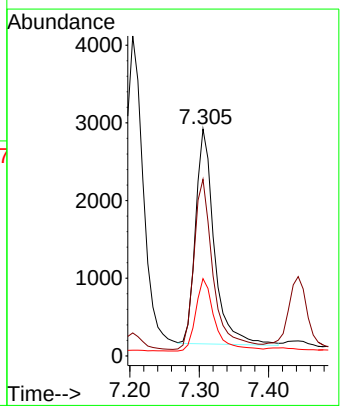


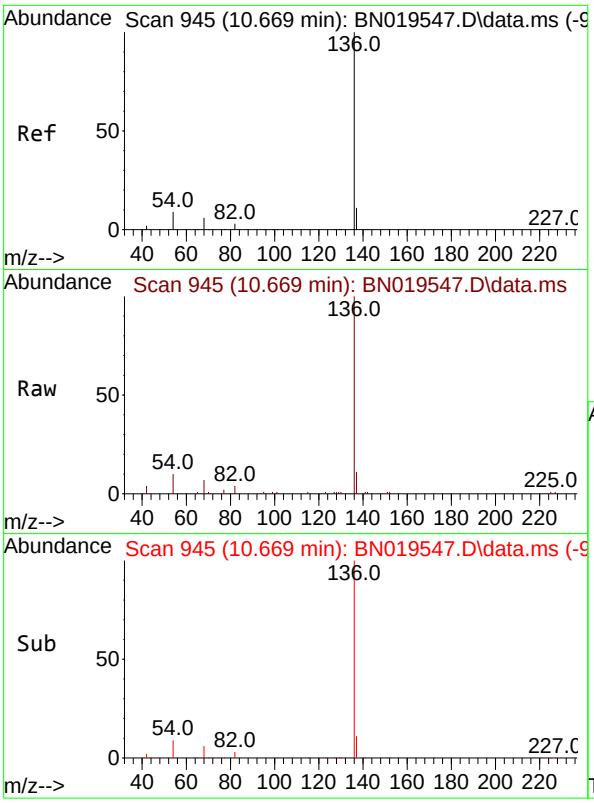


#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 7.305 min Scan# 585
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion: 93 Resp: 5178

Ion	Ratio	Lower	Upper
93	100		
63	82.3	65.8	98.8
95	34.3	27.4	41.2



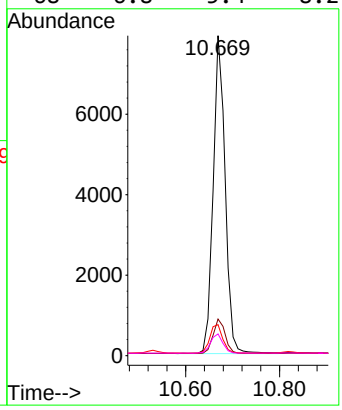


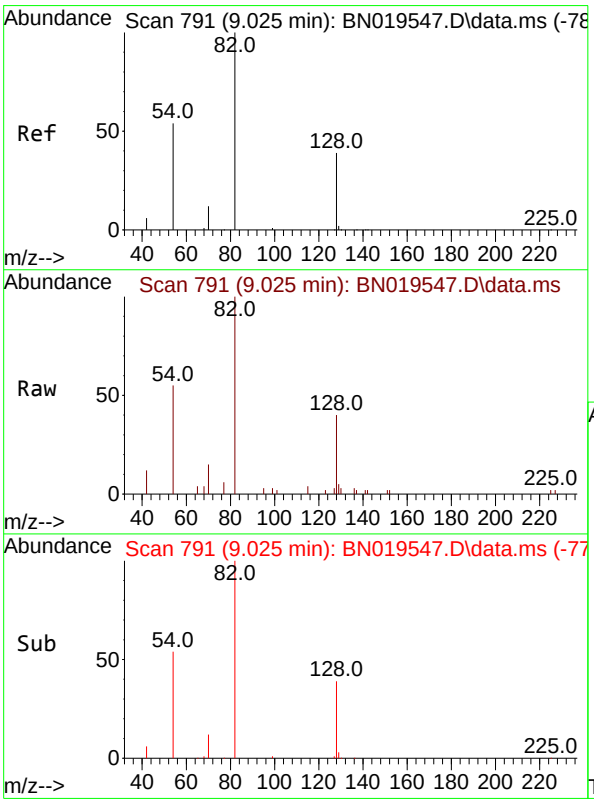
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.669 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 13997

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.7	7.8	11.6
68	6.8	5.4	8.2

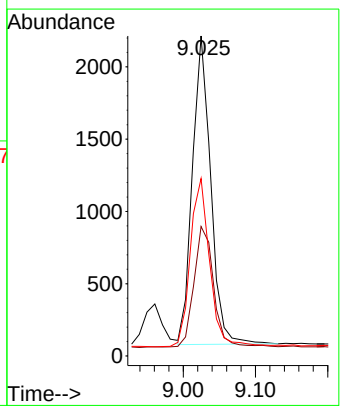


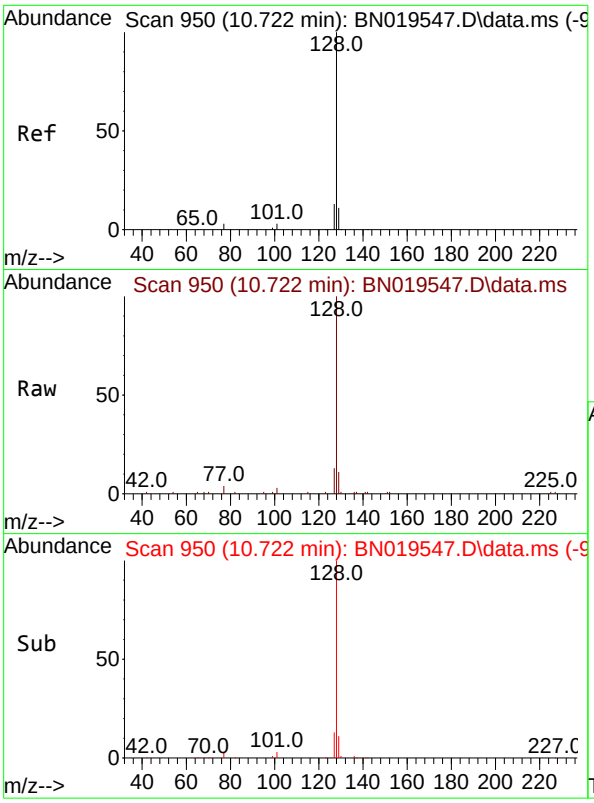


#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 9.025 min Scan# 791
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion: 82 Resp: 3764

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.4	48.6
54	55.5	44.4	66.6



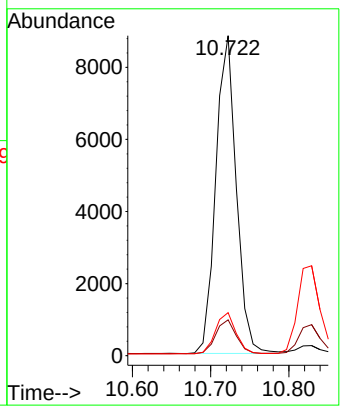


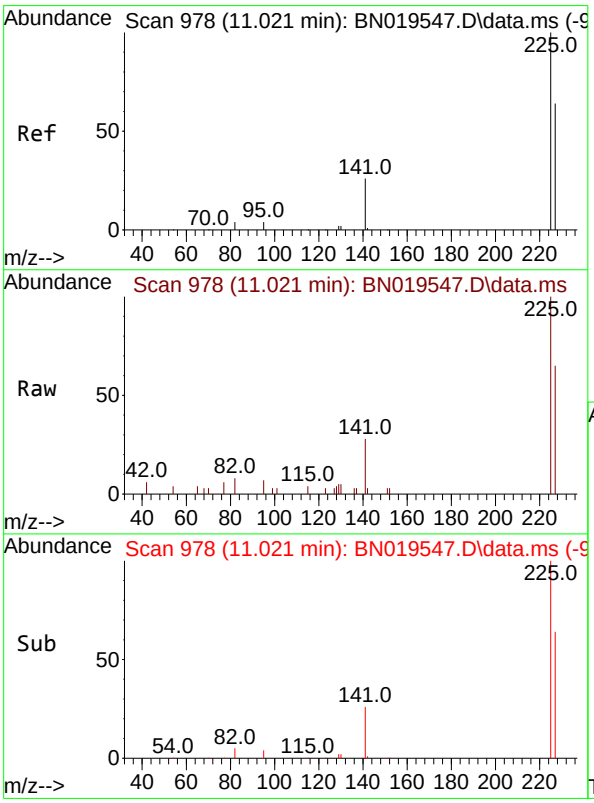
#9
Naphthalene
Concen: 0.393 ng
RT: 10.722 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 16004

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.5	10.8	16.2

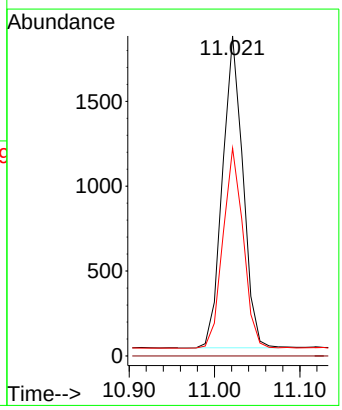


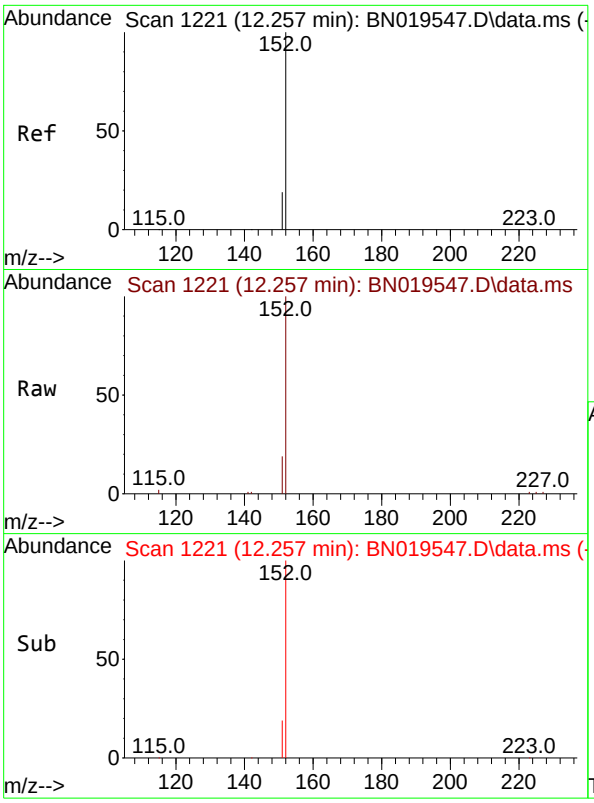


#10
Hexachlorobutadiene
Concen: 0.342 ng
RT: 11.021 min Scan# 978
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:225 Resp: 3050

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.8	76.2



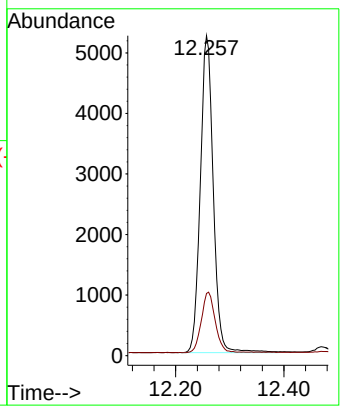


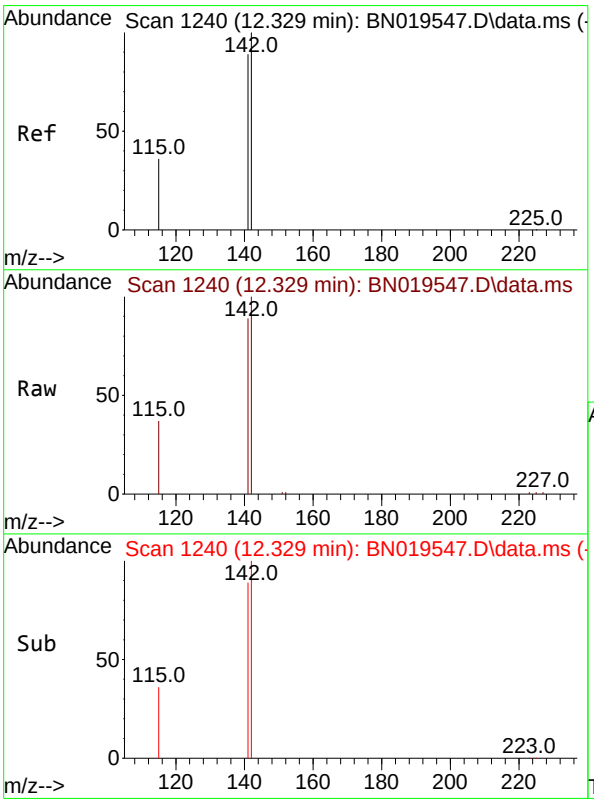
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 12.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 8698

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4

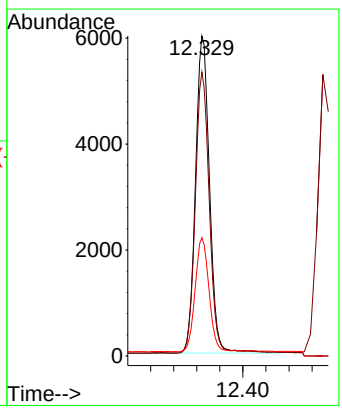


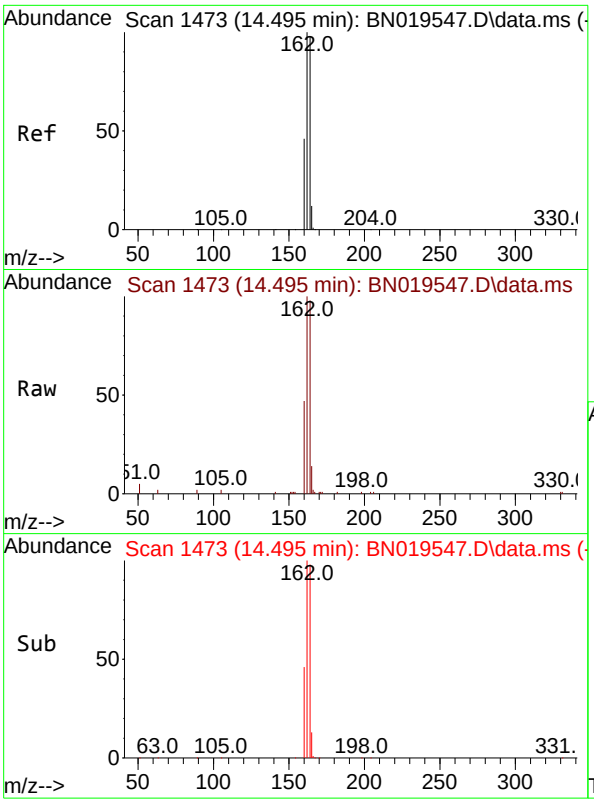


#12
2-Methylnaphthalene
Concen: 0.382 ng
RT: 12.329 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:142 Resp: 10112

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.0	106.6
115	37.0	29.6	44.4



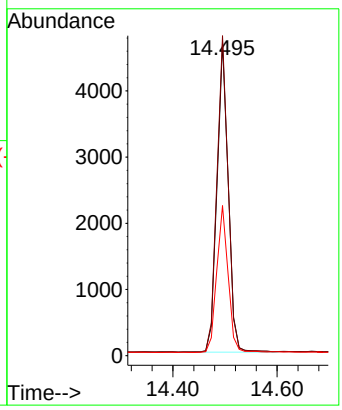


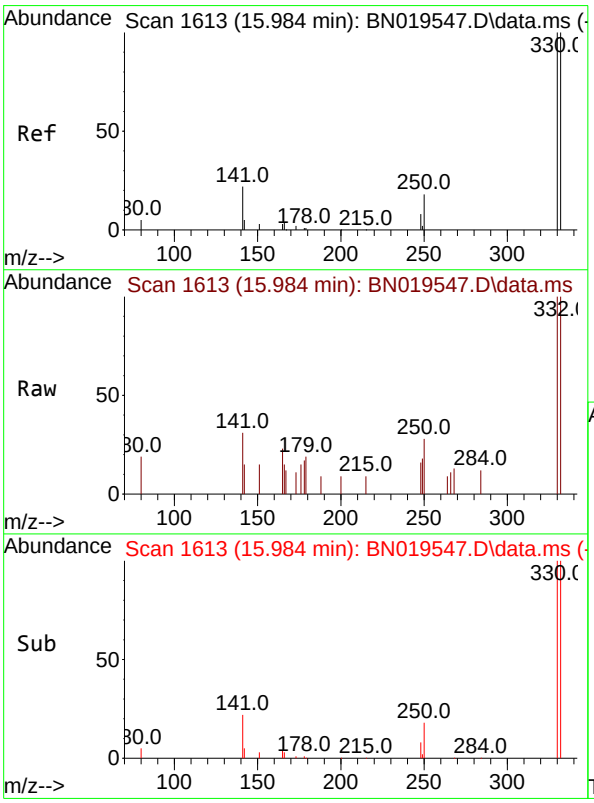
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 7006

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	47.9	38.3	57.5

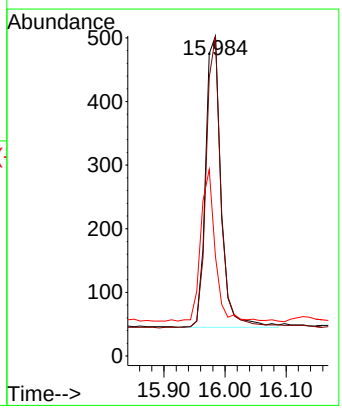


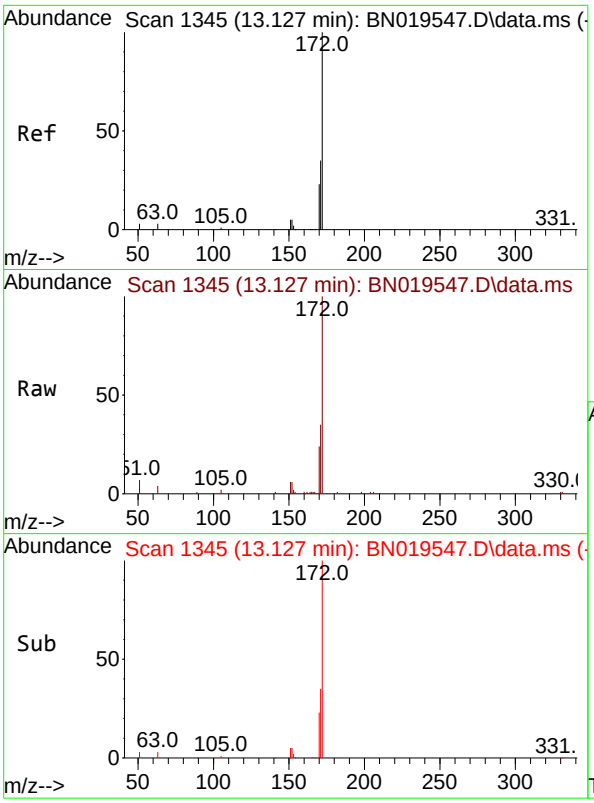


#14
2,4,6-Tribromophenol
Concen: 0.259 ng
RT: 15.984 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:330 Resp: 811

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.2	114.4
141	49.6	39.7	59.5



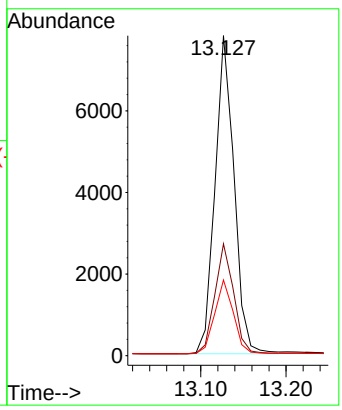


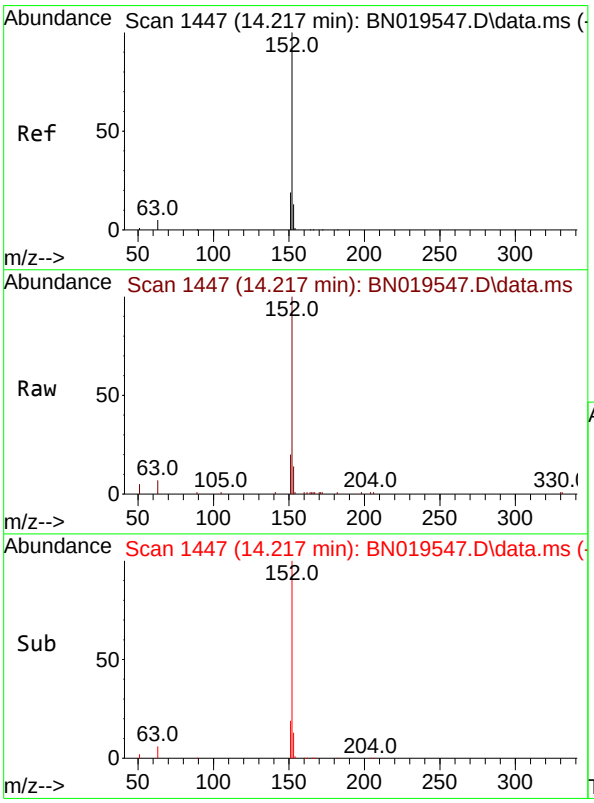
#15
2-Fluorobiphenyl
Concen: 0.433 ng
RT: 13.127 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 12095

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.0	42.0
170	23.7	19.0	28.4

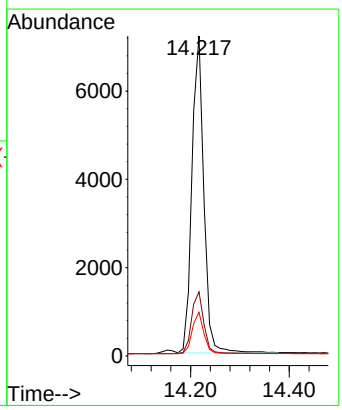


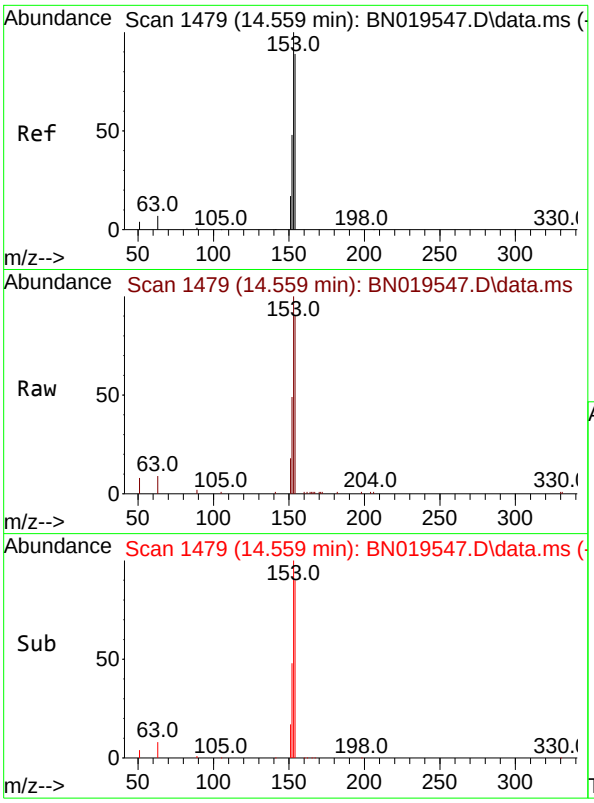


#16
Acenaphthylene
Concen: 0.376 ng
RT: 14.217 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:152 Resp: 11979

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	13.1	10.5	15.7



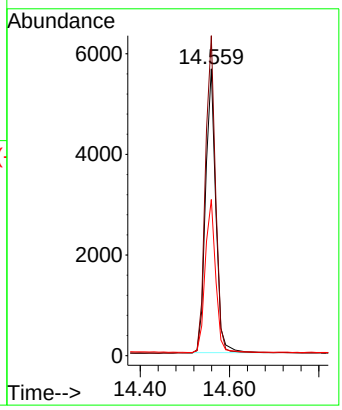


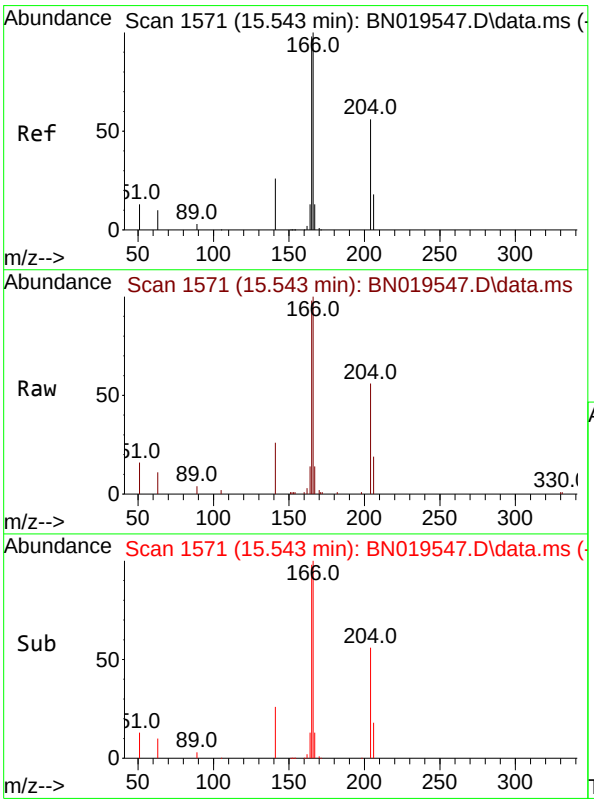
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.559 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 8895

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.3	133.9
152	55.1	44.1	66.1

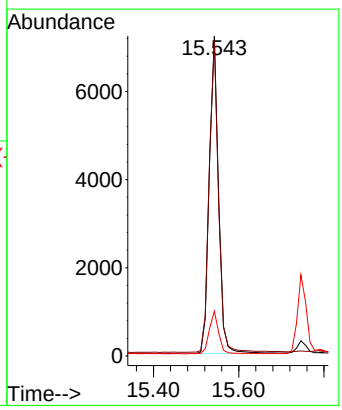


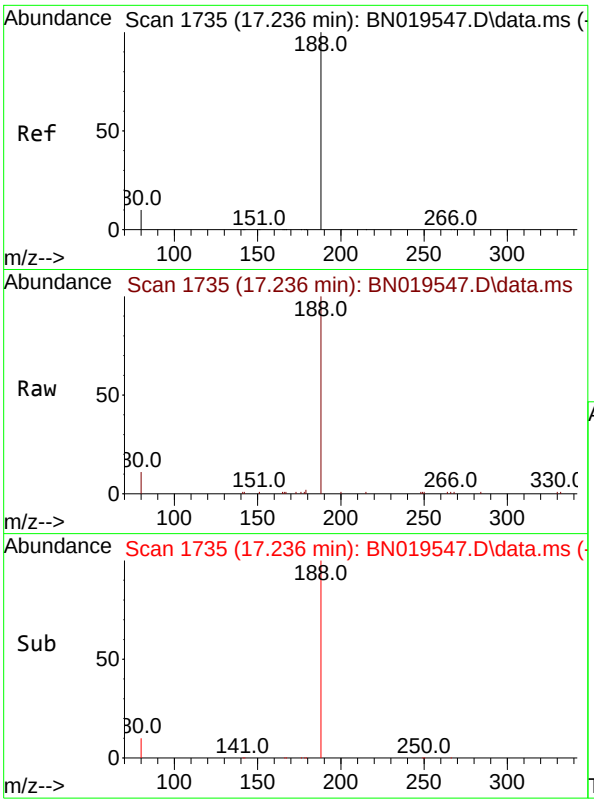


#18
Fluorene
Concen: 0.374 ng
RT: 15.543 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:166 Resp: 10904

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.1	118.7
167	13.4	10.7	16.1



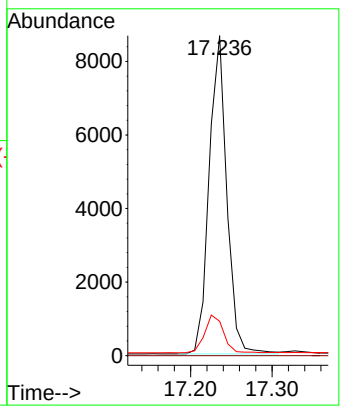


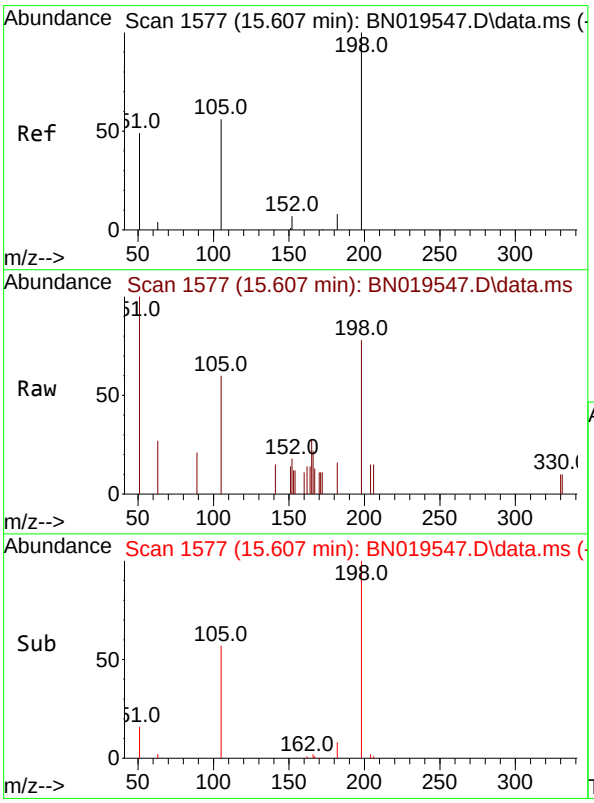
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 13085

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	8.6	12.8

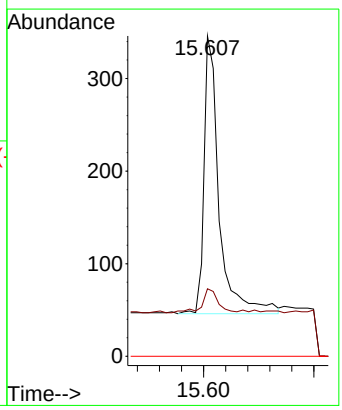


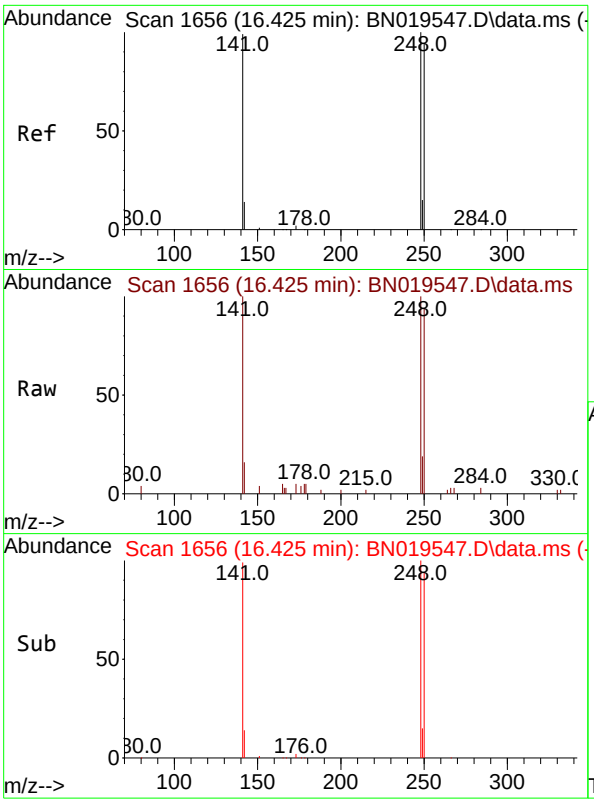


#20
4,6-Dinitro-2-methylphenol
Concen: 0.434 ng
RT: 15.607 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:198 Resp: 571

Ion	Ratio	Lower	Upper
198	100		
182	21.1	16.9	25.3
77	0.0	0.0	0.0



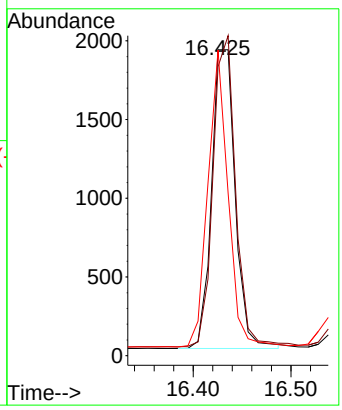


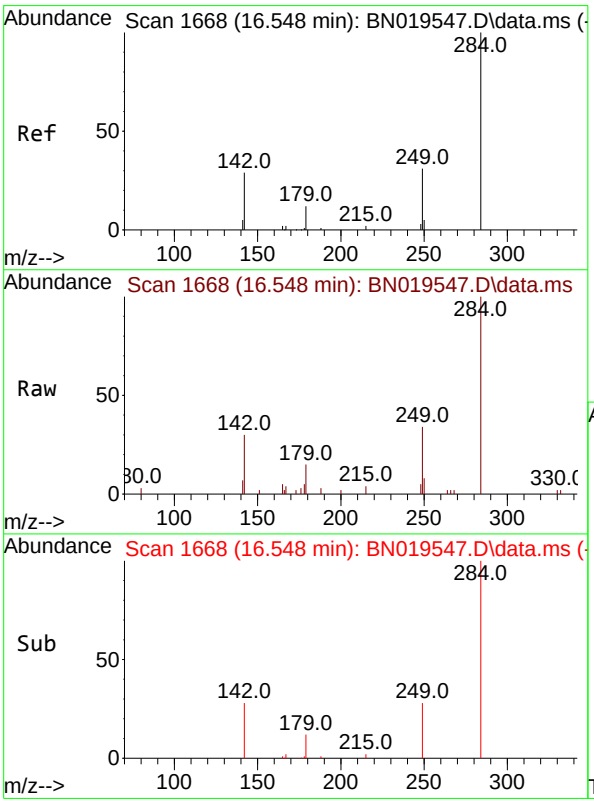
#21
4-Bromophenyl-phenylether
Concen: 0.398 ng
RT: 16.425 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 3188

Ion	Ratio	Lower	Upper
248	100		
250	94.4	75.5	113.3
141	99.9	79.9	119.9

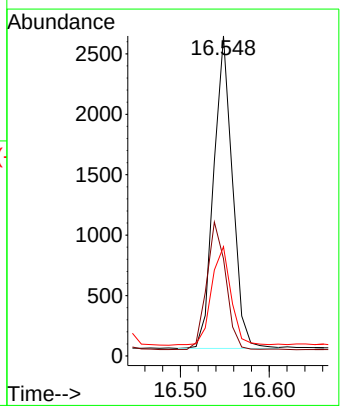


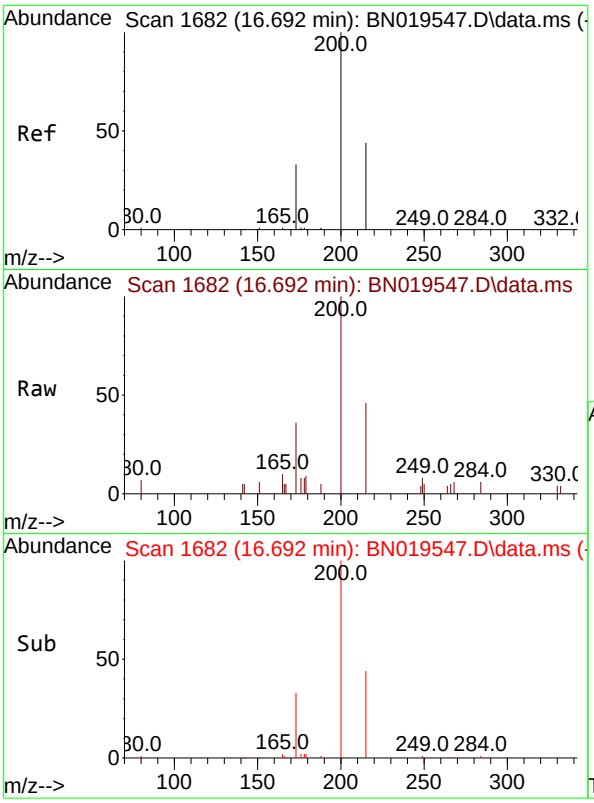


#22
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.548 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:284 Resp: 3794

Ion	Ratio	Lower	Upper
284	100		
142	41.5	33.2	49.8
249	33.0	26.4	39.6



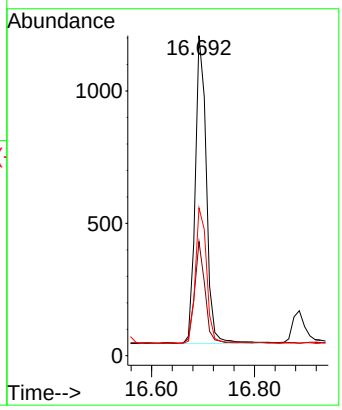


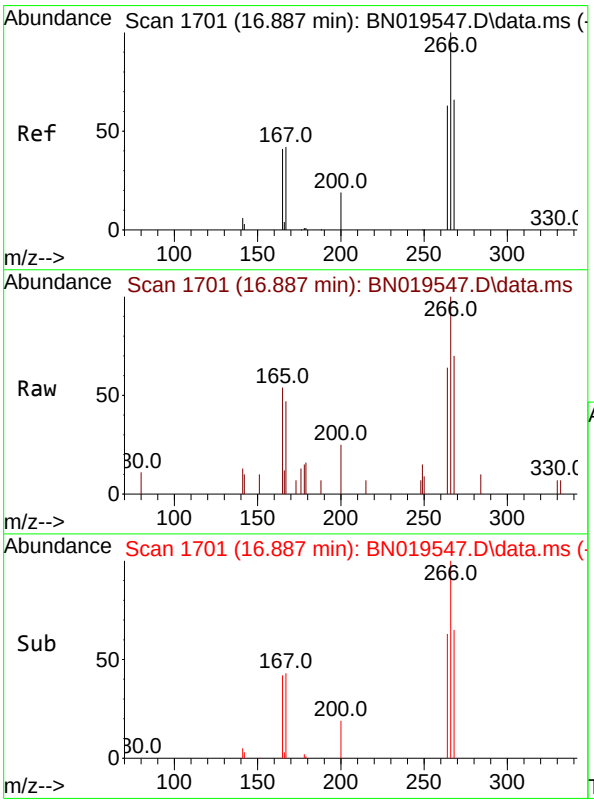
#23
Atrazine
Concen: 0.309 ng
RT: 16.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 1750

Ion	Ratio	Lower	Upper
200	100		
173	35.6	28.5	42.7
215	46.2	37.0	55.4

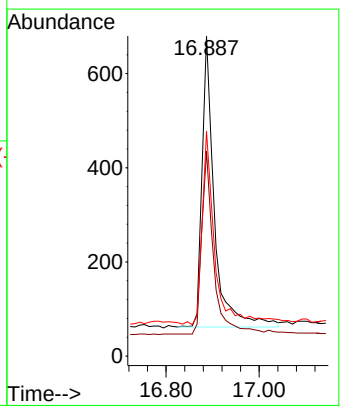


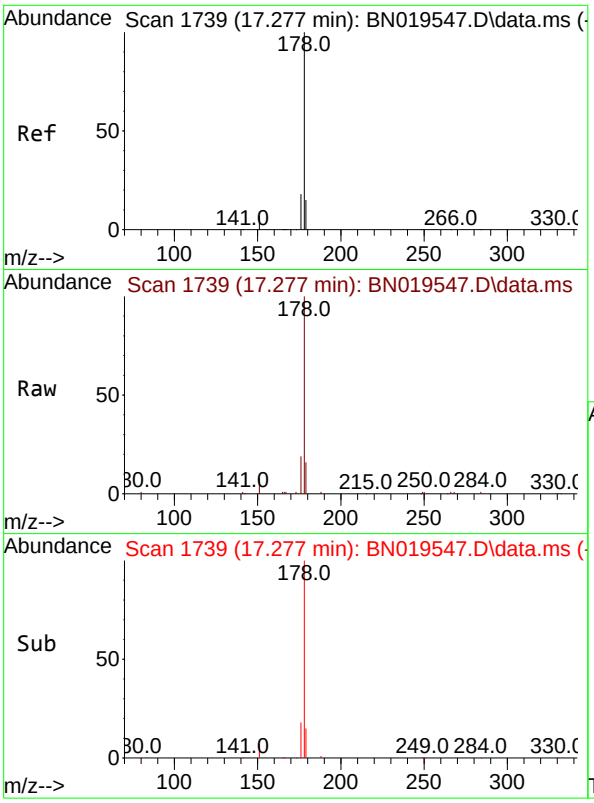


#24
Pentachlorophenol
Concen: 0.582 ng
RT: 16.887 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:266 Resp: 1139

Ion	Ratio	Lower	Upper
266	100		
264	60.0	48.0	72.0
268	67.7	54.2	81.2



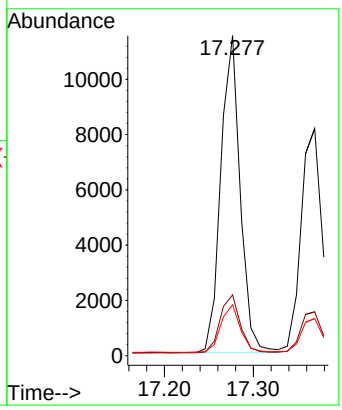


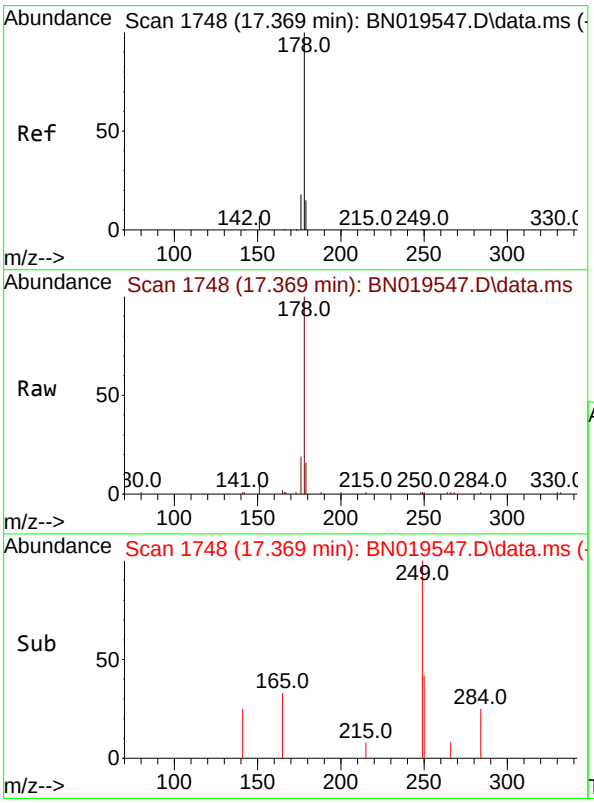
#25
Phenanthrene
Concen: 0.422 ng
RT: 17.277 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 17422

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.1	12.1	18.1

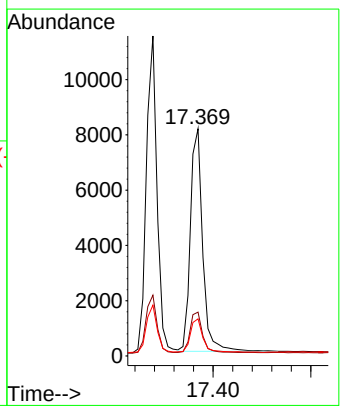


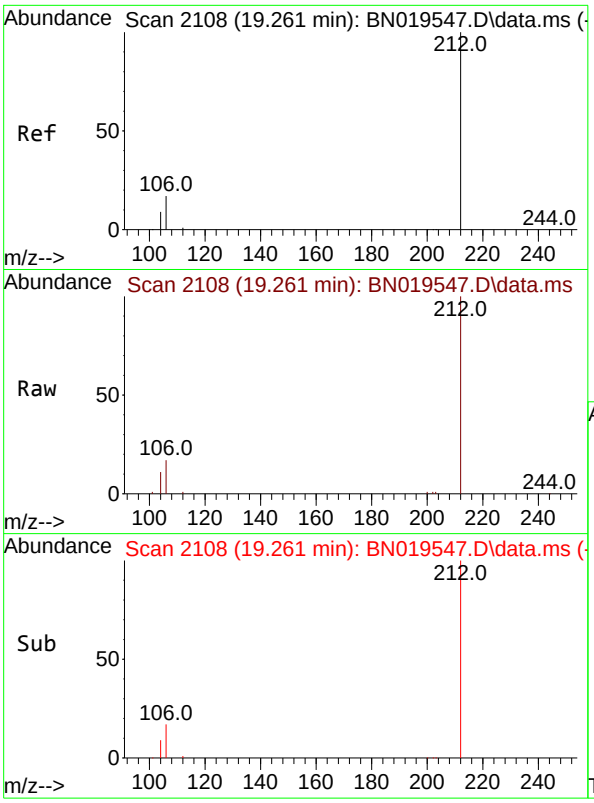


#26
Anthracene
Concen: 0.421 ng
RT: 17.369 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:178 Resp: 14047

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.3	21.5
179	15.3	12.2	18.4



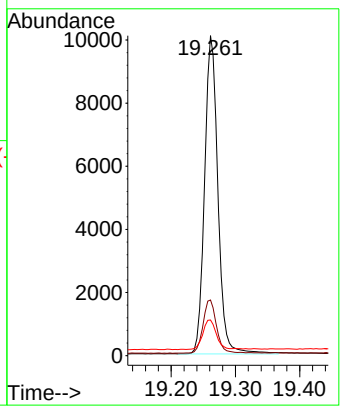


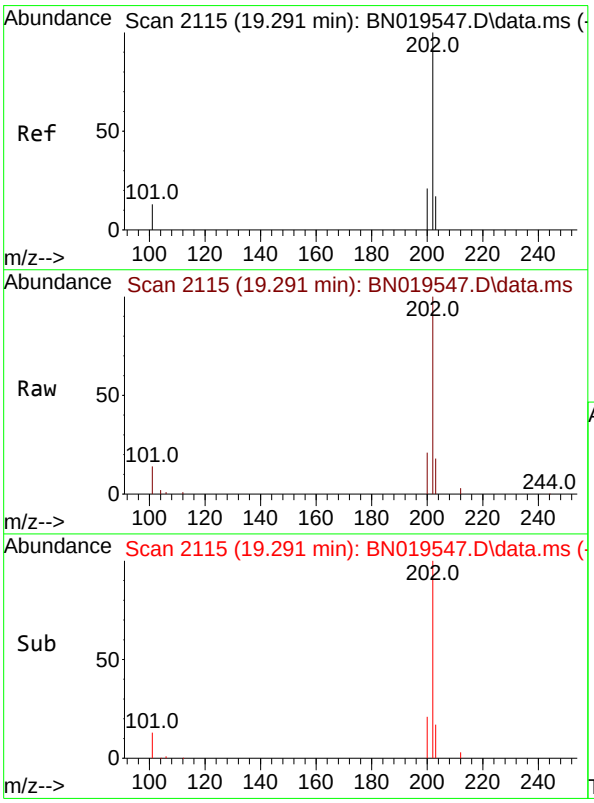
#27
Fluoranthene-d10
Concen: 0.381 ng
RT: 19.261 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 14586

Ion	Ratio	Lower	Upper
212	100		
106	16.9	13.5	20.3
104	9.5	7.6	11.4

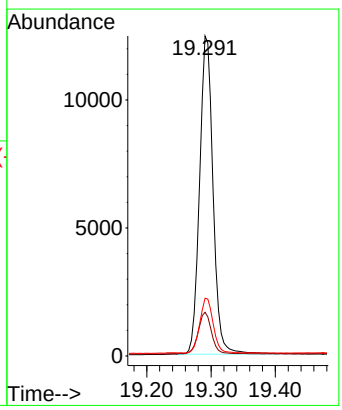


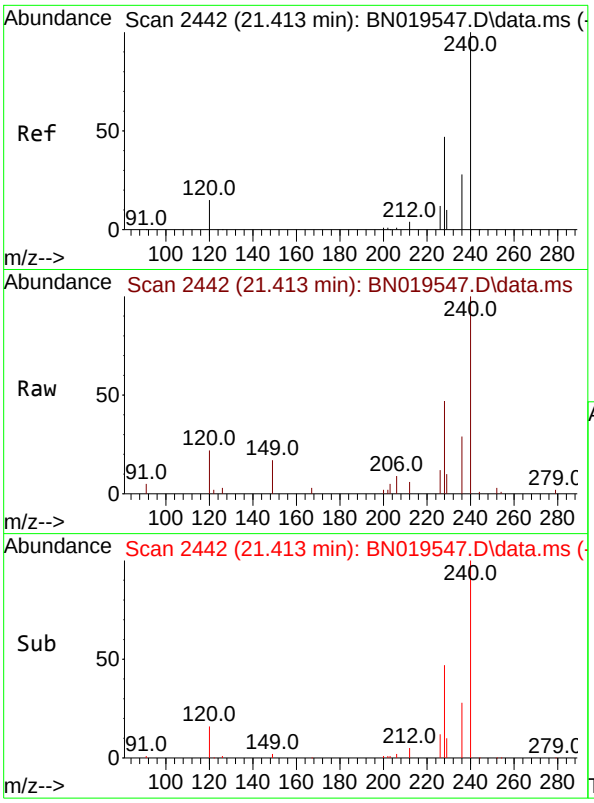


#28
Fluoranthene
Concen: 0.385 ng
RT: 19.291 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:202 Resp: 18230

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.6	15.8
203	17.0	13.6	20.4



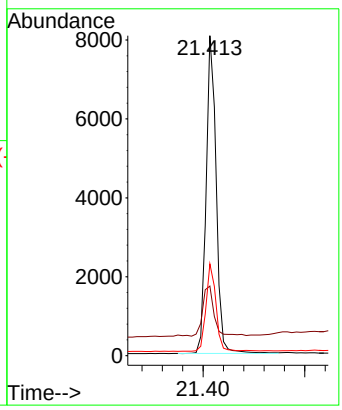


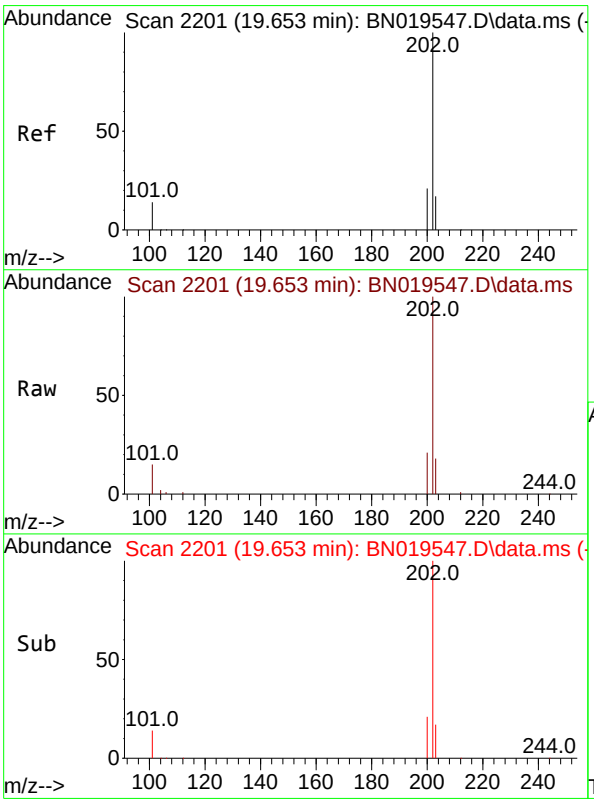
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.413 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 11036

Ion	Ratio	Lower	Upper
240	100		
120	21.8	17.4	26.2
236	28.7	23.0	34.4

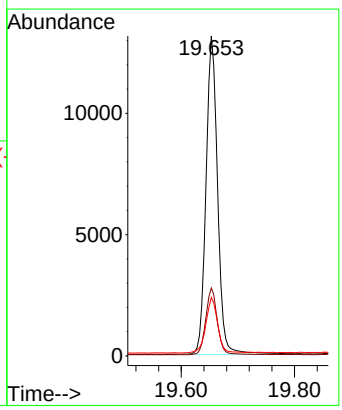


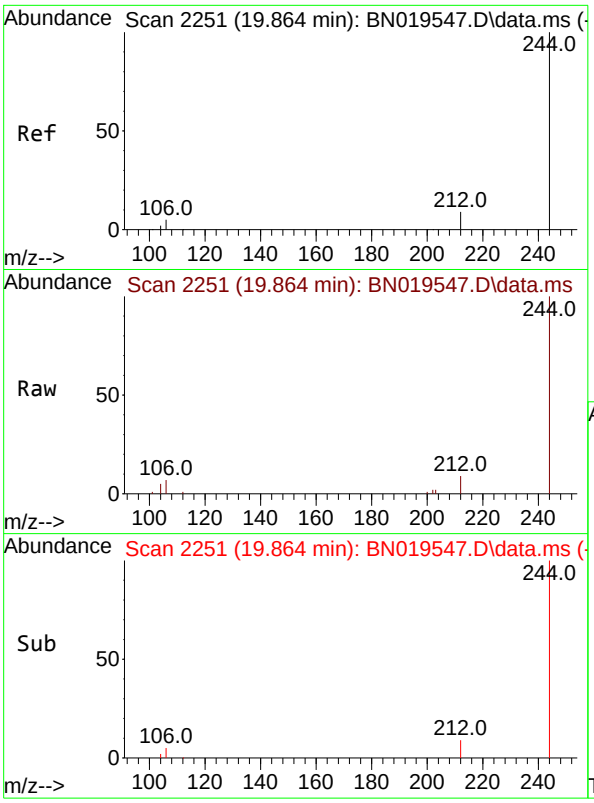


#30
Pyrene
Concen: 0.354 ng
RT: 19.653 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:202 Resp: 18535

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.2	21.4



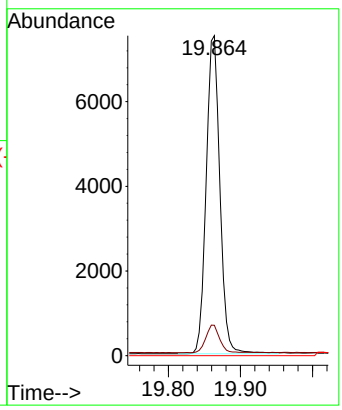


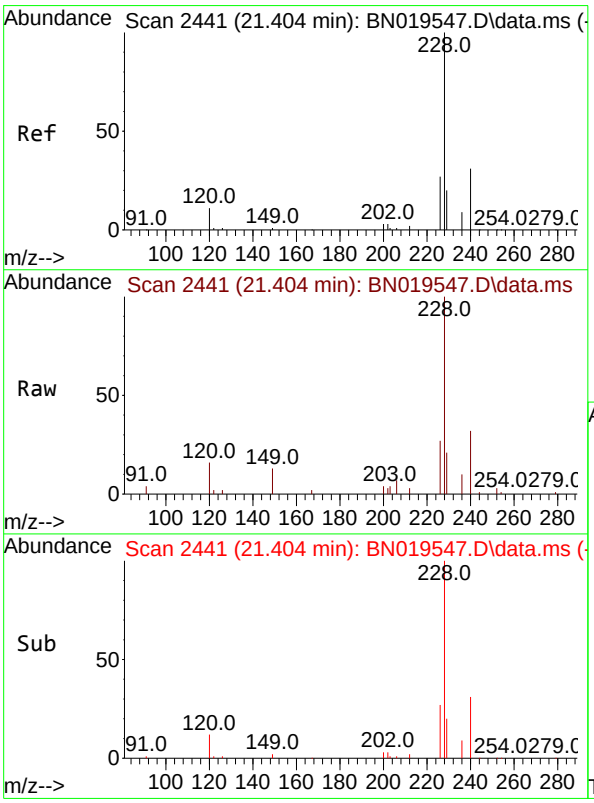
#31
Terphenyl-d14
Concen: 0.398 ng
RT: 19.864 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 9905

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.6	11.4
122	0.0	0.0	0.0

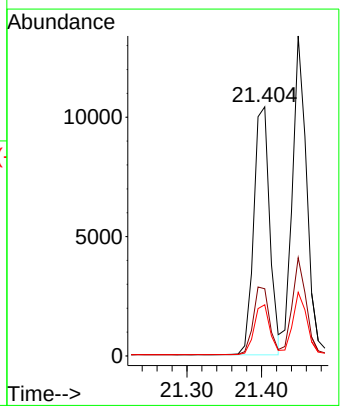


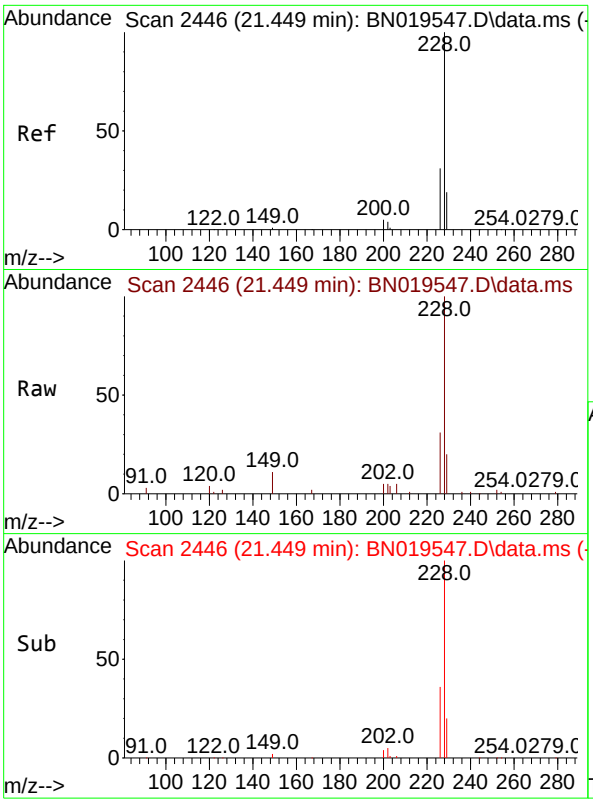


#32
Benzo(a)anthracene
Concen: 0.451 ng
RT: 21.404 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:228 Resp: 15486

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.6	32.4
229	20.6	16.5	24.7



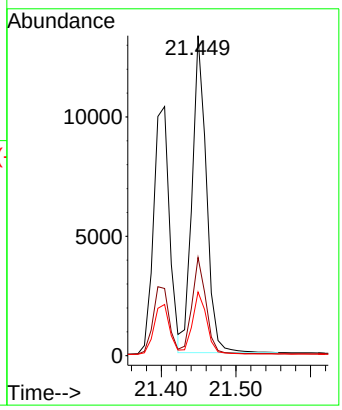


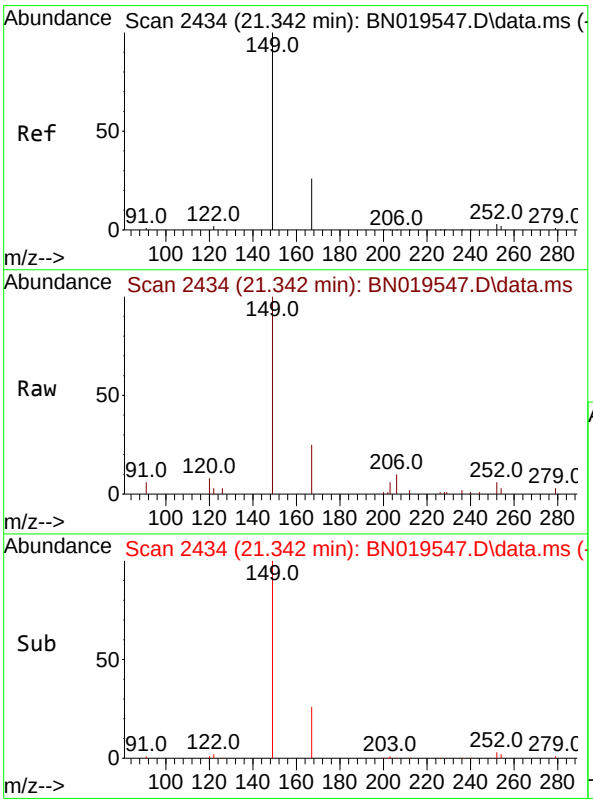
#33
Chrysene
Concen: 0.406 ng
RT: 21.449 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 17611

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	19.9	15.9	23.9

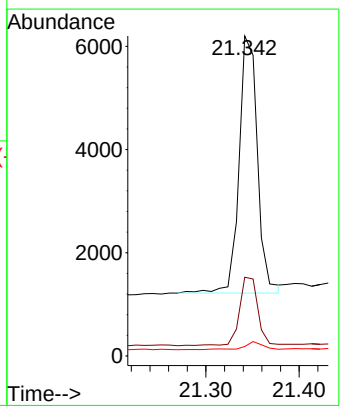


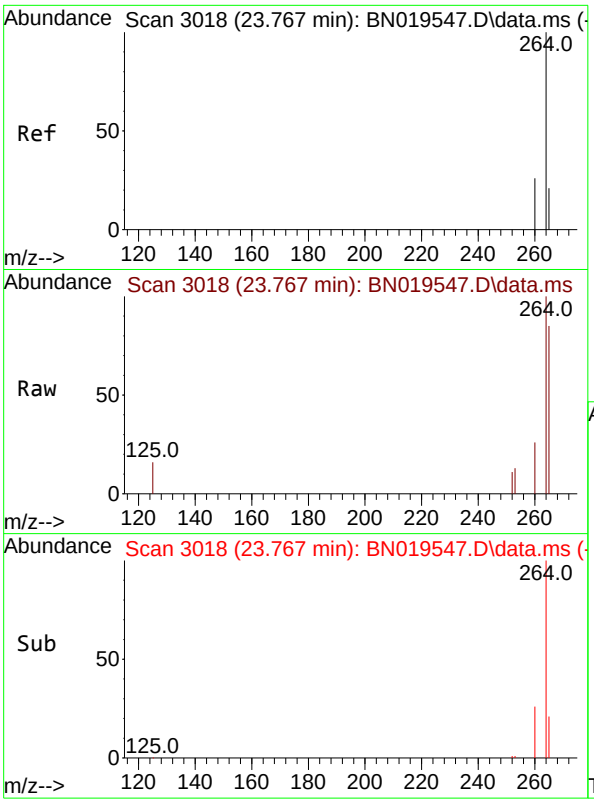


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.338 ng
RT: 21.342 min Scan# 2434
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:149 Resp: 6834

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.7	32.5
279	3.5	2.8	4.2



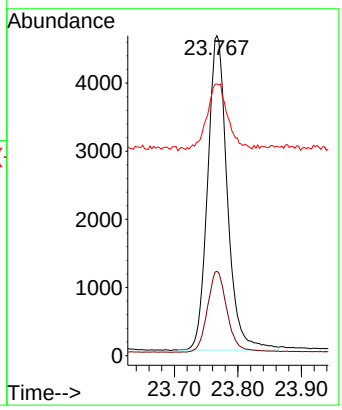


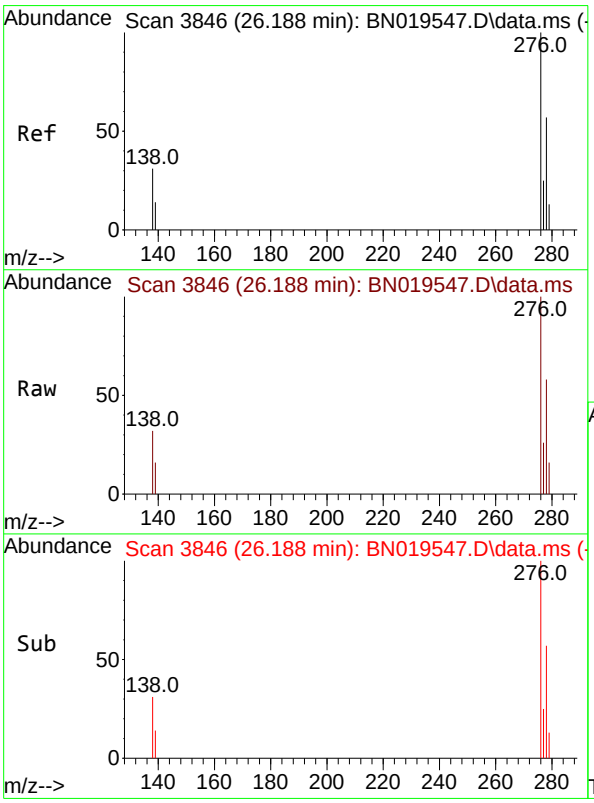
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.767 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 9915

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.0	31.6
265	84.9	67.9	101.9

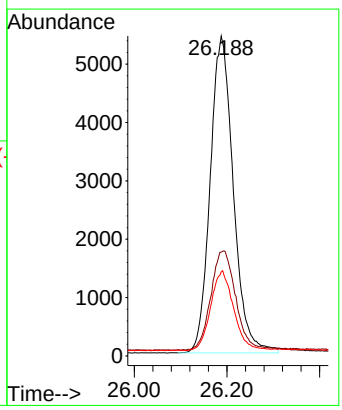


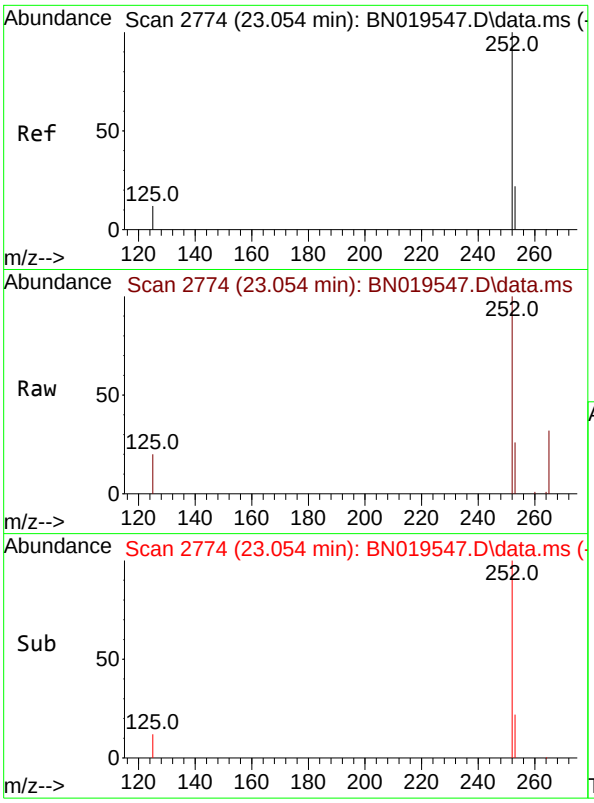


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.493 ng
RT: 26.188 min Scan# 3846
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:276 Resp: 18865

Ion	Ratio	Lower	Upper
276	100		
138	33.3	26.6	40.0
277	25.0	20.0	30.0



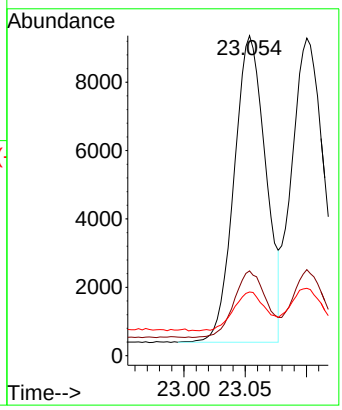


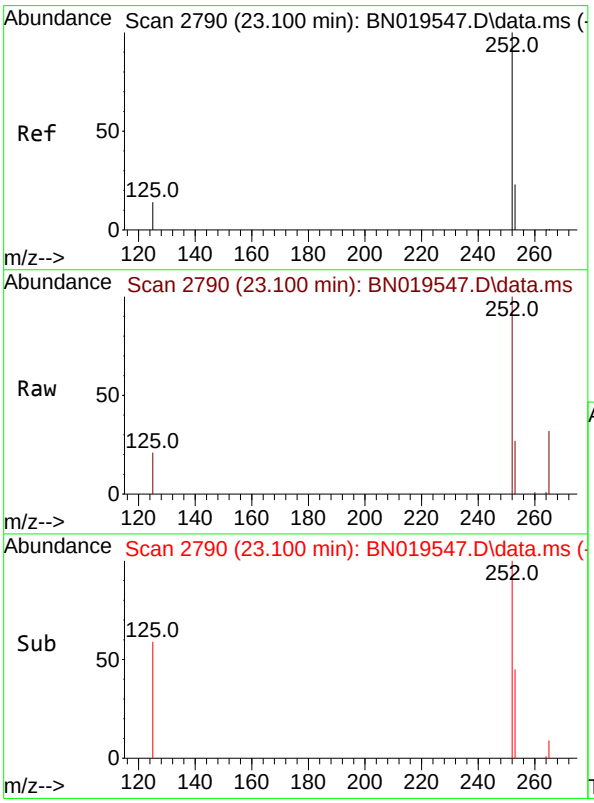
#37
Benzo(b)fluoranthene
Concen: 0.423 ng
RT: 23.054 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 16122

Ion	Ratio	Lower	Upper
252	100		
253	26.5	21.2	31.8
125	19.9	15.9	23.9

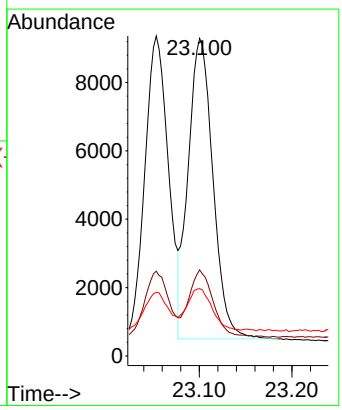


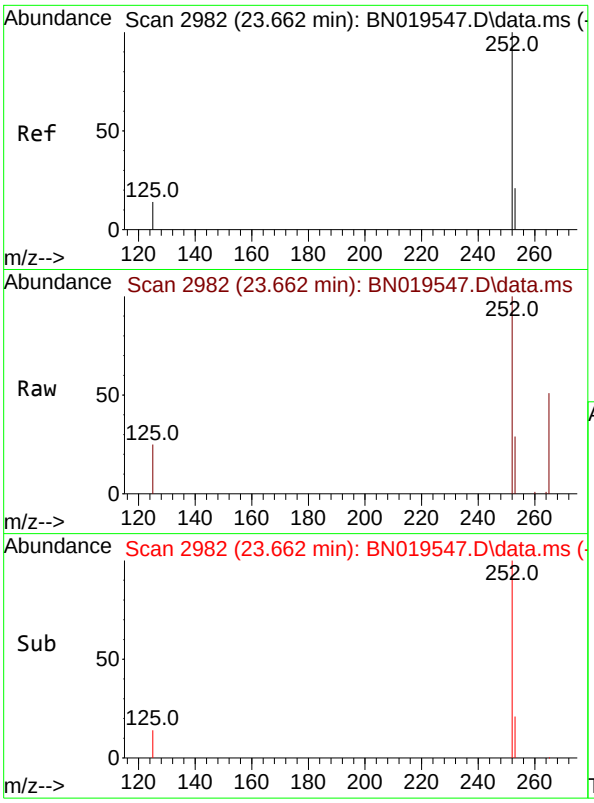


#38
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.100 min Scan# 2790
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:252 Resp: 16375

Ion	Ratio	Lower	Upper
252	100		
253	27.1	21.7	32.5
125	21.2	17.0	25.4



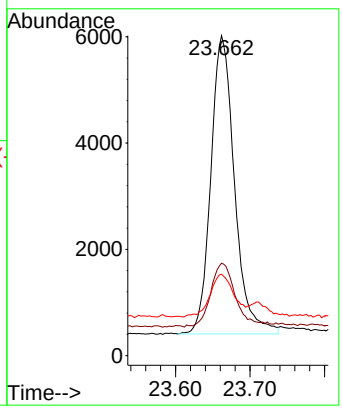


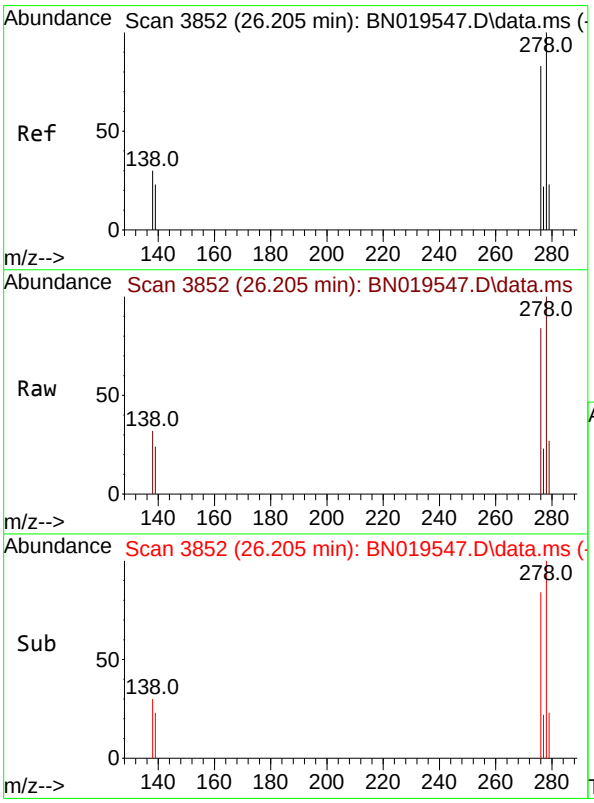
#39
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.662 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 12406

Ion	Ratio	Lower	Upper
252	100		
253	28.9	23.1	34.7
125	25.5	20.4	30.6

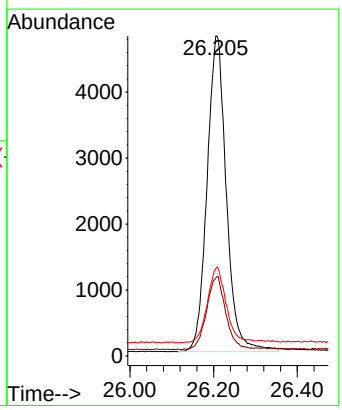


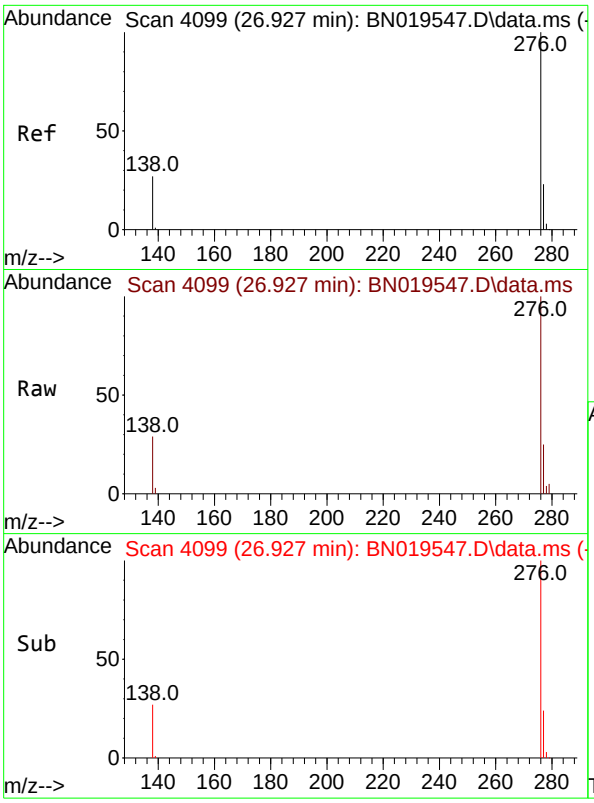


#40
Dibenzo(a,h)anthracene
Concen: 0.536 ng
RT: 26.205 min Scan# 3852
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Tgt Ion:278 Resp: 15334

Ion	Ratio	Lower	Upper
278	100		
139	24.3	19.4	29.2
279	27.3	21.8	32.8





#41
Benzo(g,h,i)perylene
Concen: 0.423 ng
RT: 26.927 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN019547.D
Acq: 27 Apr 2022 16:30

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 16619

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.2
138	29.4	23.5	35.3