Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101221\
Data File : BN016886.D
Acq On : 11 Oct 2021 17:56
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Oct 12 02:17:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN101221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 12 02:08:51 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.689	152	20270	0.40	ng		0.00
7) Naphthalene-d8	10.457	136	91897	0.40	ng		0.00
13) Acenaphthene-d10	14.294	164	48502	0.40	ng		0.00
19) Phenanthrene-d10	17.042	188	89005	0.40	ng		0.00
29) Chrysene-d12	21.238	240	82985	0.40	ng		0.00
35) Perylene-d12	23.481	264	89655	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.300	112	5311	0.10	ng		0.00
5) Phenol-d6	6.868	99	5784	0.10	ng		0.00
8) Nitrobenzene-d5	8.835	82	5615	0.09	ng		0.00
11) 2-Methylnaphthalene-d10	12.043	152	13372	0.10	ng		0.00
14) 2,4,6-Tribromophenol	15.791	330	1825	0.07	ng		0.00
15) 2-Fluorobiphenyl	12.924	172	19146	0.10	ng		0.00
27) Fluoranthene-d10	19.073	212	22074	0.09	ng		0.00
31) Terphenyl-d14	19.683	244	18834	0.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.281	88	1478	0.16	ng	#	1
3) n-Nitrosodimethylamine	3.622	42	1518	0.10	ng		96
6) bis(2-Chloroethyl)ether	7.126	93	5920	0.11	ng		99
9) Naphthalene	10.495	128	28501	0.11	ng		99
10) Hexachlorobutadiene	10.787	225	4956	0.10	ng	#	99
12) 2-Methylnaphthalene	12.118	142	16340	0.10	ng		100
16) Acenaphthylene	14.015	152	18594	0.09	ng		100
17) Acenaphthene	14.358	154	14162	0.10	ng		99
18) Fluorene	15.347	166	16270	0.09	ng		100
20) 4,6-Dinitro-2-methylph...	15.436	198	679	0.05	ng	#	76
21) 4-Bromophenyl-phenylether	16.239	248	5121	0.09	ng		92
22) Hexachlorobenzene	16.348	284	6196	0.10	ng		99
23) Atrazine	16.519	200	3136	0.07	ng		98
25) Phenanthrene	17.078	178	26035	0.10	ng		100
26) Anthracene	17.176	178	20185	0.09	ng		100
28) Fluoranthene	19.103	202	27304	0.09	ng		100
30) Pyrene	19.465	202	27661	0.11	ng		100
32) Benzo(a)anthracene	21.217	228	25770	0.10	ng		99
33) Chrysene	21.270	228	27720	0.11	ng		100
36) Indeno(1,2,3-cd)pyrene	25.750	276	35800	0.11	ng		95
37) Benzo(b)fluoranthene	22.803	252	29516	0.10	ng		96
38) Benzo(k)fluoranthene	22.848	252	30156	0.11	ng	#	89
39) Benzo(a)pyrene	23.378	252	26542	0.10	ng	#	93
40) Dibenzo(a,h)anthracene	25.771	278	28875	0.10	ng	#	92
41) Benzo(g,h,i)perylene	26.442	276	30948	0.10	ng		98

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

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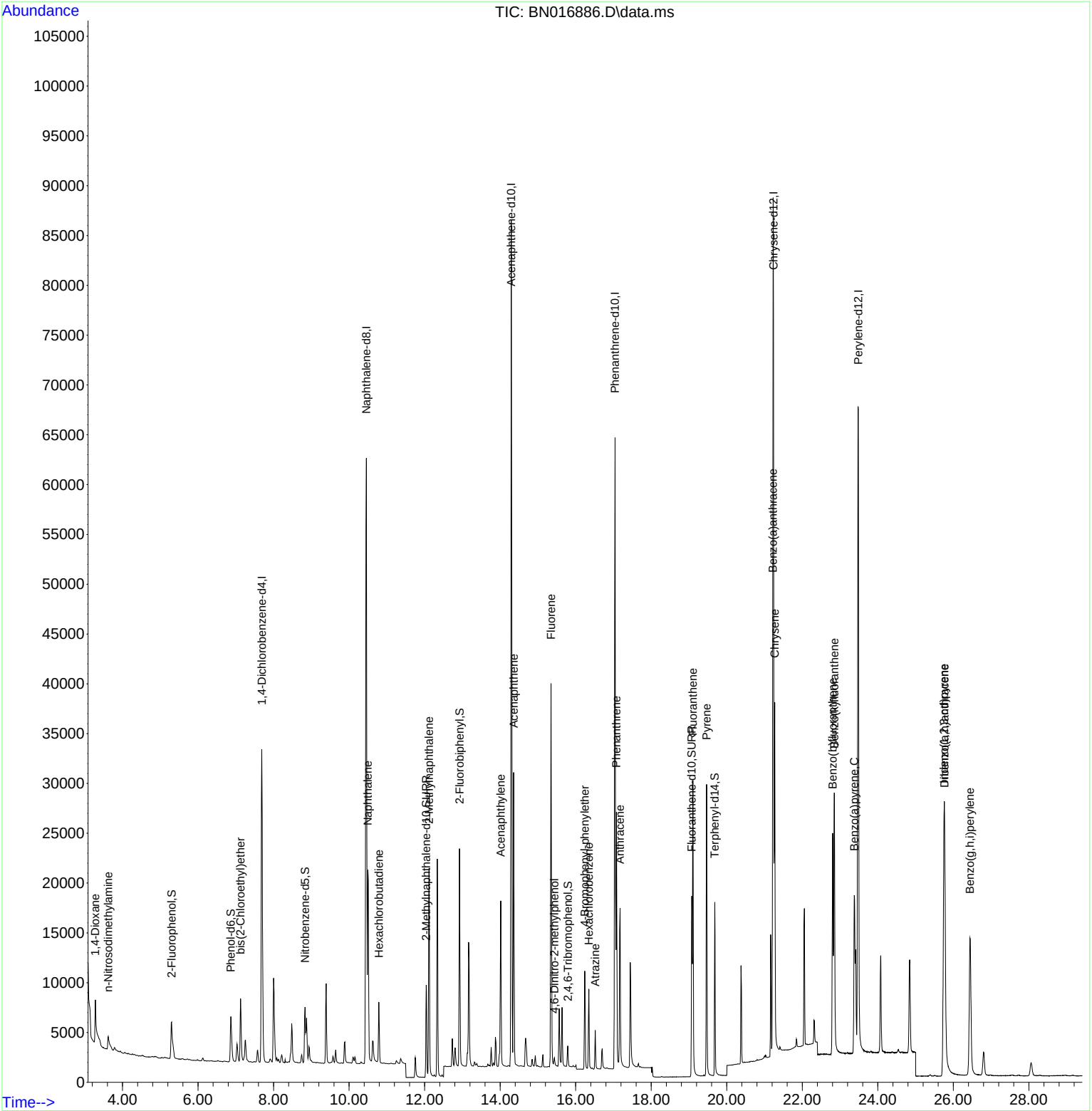
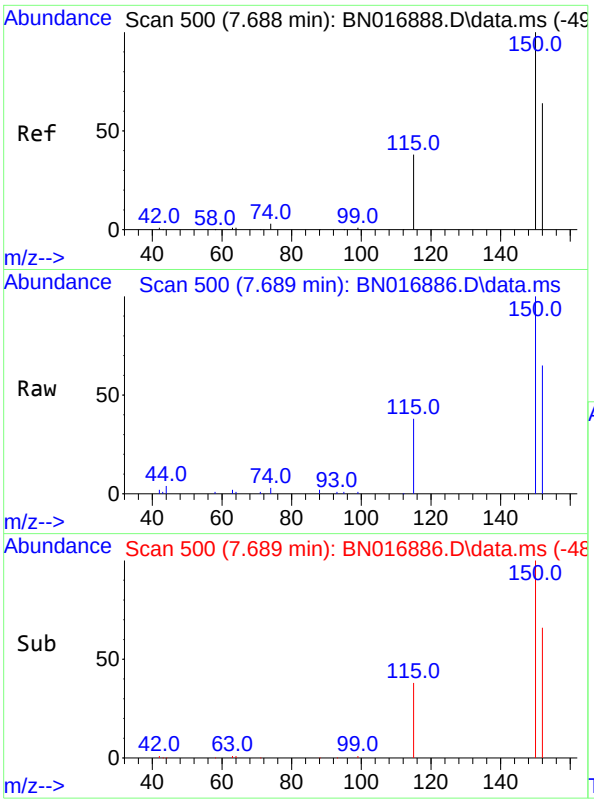
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Oct 12 02:17:19 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN101221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 12 02:08:51 2021
Response via : Initial Calibration



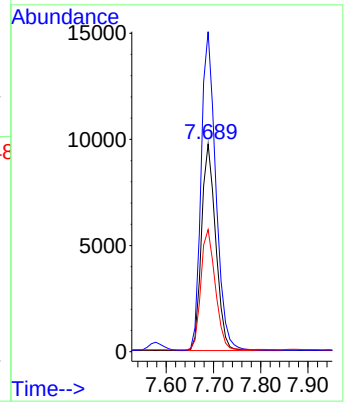


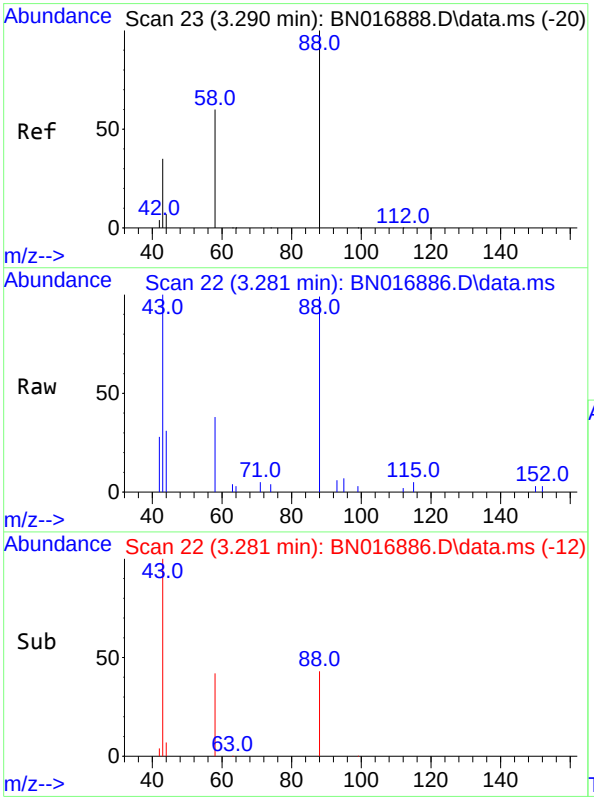
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.689 min Scan# 5
Delta R.T. 0.001 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 20270

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.2	186.4
115	58.8	47.0	70.6

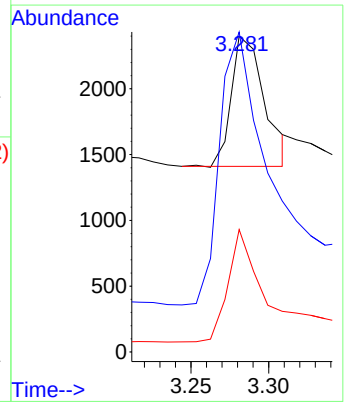


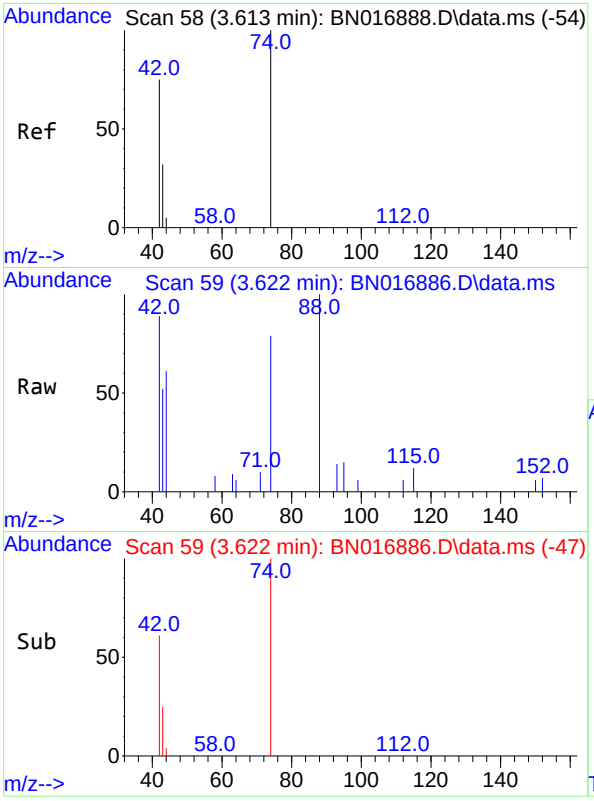


#2
1,4-Dioxane
Concen: 0.16 ng
RT: 3.281 min Scan# 22
Delta R.T. -0.009 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion: 88 Resp: 1478

Ion	Ratio	Lower	Upper
88	100		
43	276.0	32.0	48.0#
58	84.5	60.6	90.8



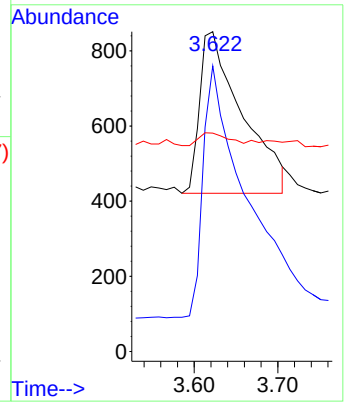


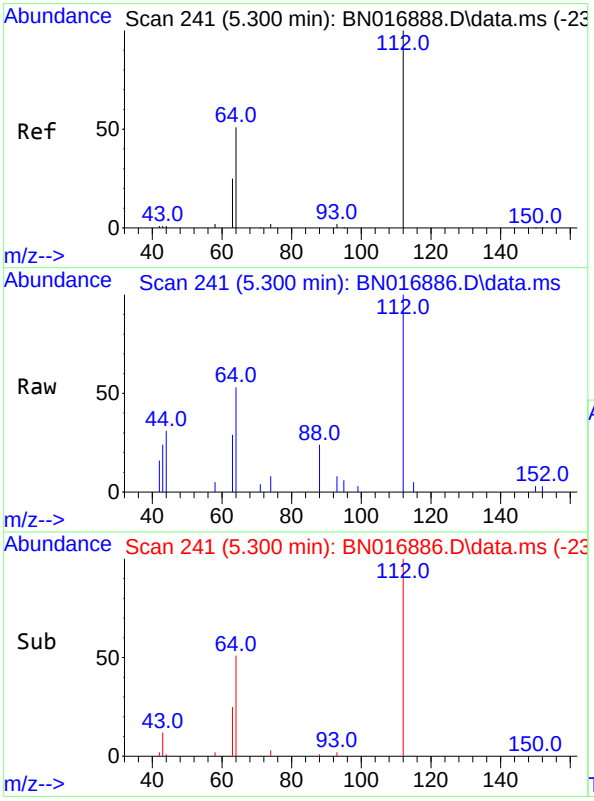
#3
n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.622 min Scan# 5
Delta R.T. 0.009 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 1518

Ion	Ratio	Lower	Upper
42	100		
74	152.0	117.2	175.8
44	5.4	5.4	8.0

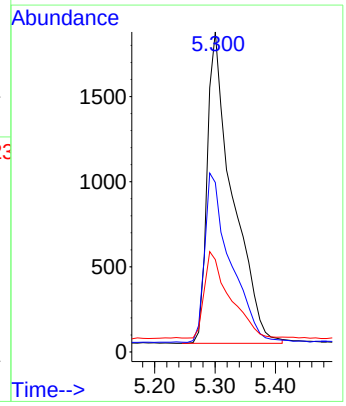


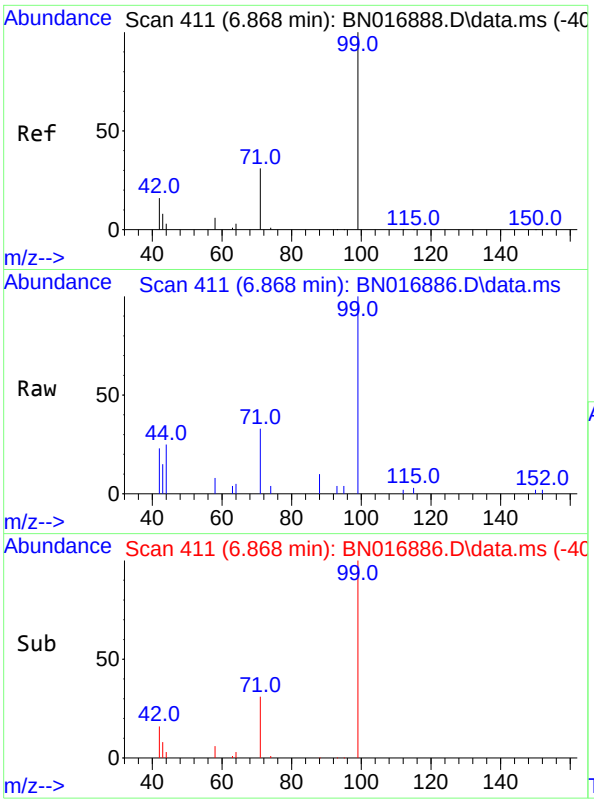


#4
2-Fluorophenol
Concen: 0.10 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:112 Resp: 5311

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.5	66.7
63	27.6	22.1	33.1



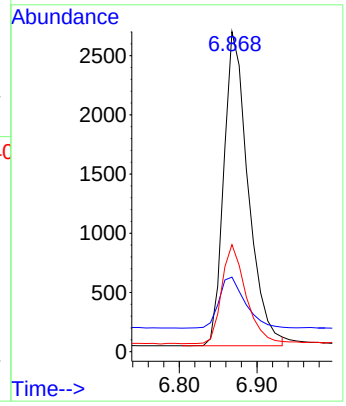


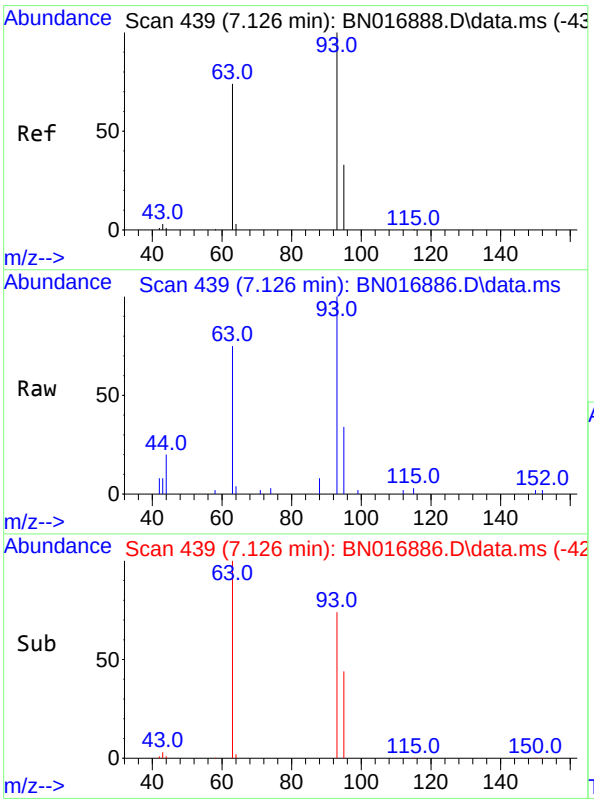
#5
Phenol-d6
Concen: 0.10 ng
RT: 6.868 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 5784

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.9	20.9
71	31.3	24.5	36.7

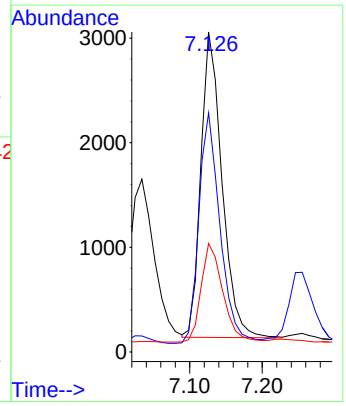


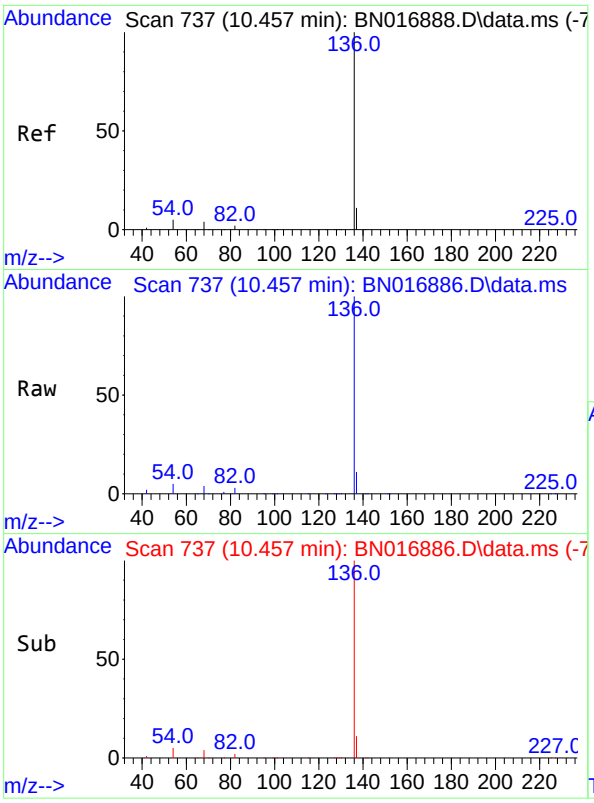


#6
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 7.126 min Scan# 439
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion: 93 Resp: 5920

Ion	Ratio	Lower	Upper
93	100		
63	75.6	59.8	89.6
95	33.0	26.4	39.6



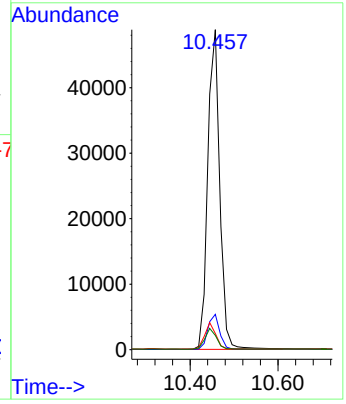


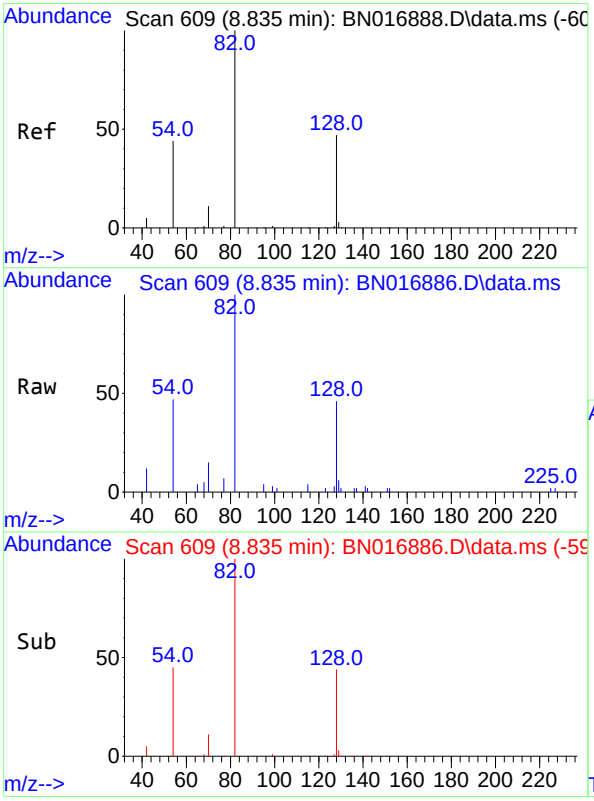
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 91897

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	5.1	3.8	5.6
68	4.4	3.4	5.0

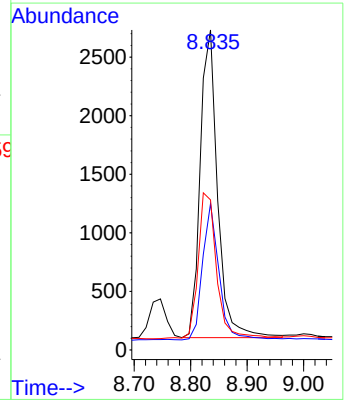


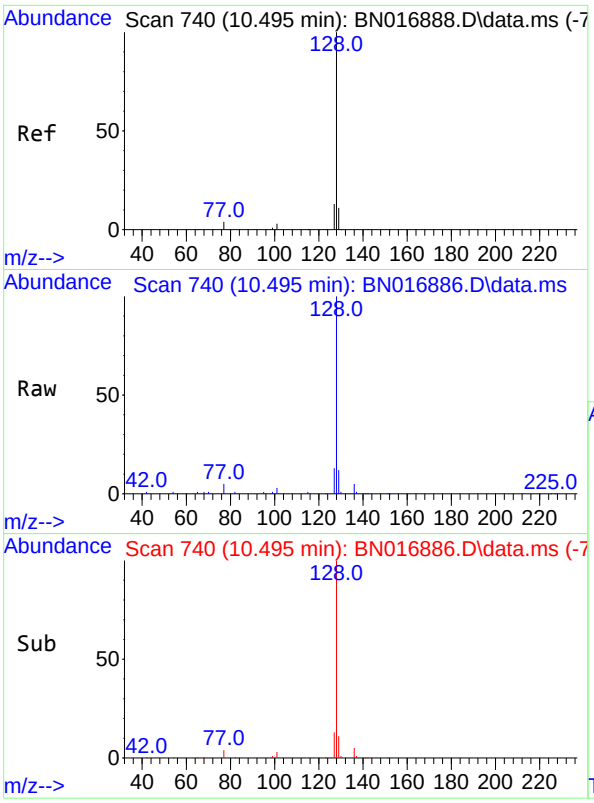


#8
Nitrobenzene-d5
Concen: 0.09 ng
RT: 8.835 min Scan# 609
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion: 82 Resp: 5615

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.8	56.6
54	46.9	35.3	52.9



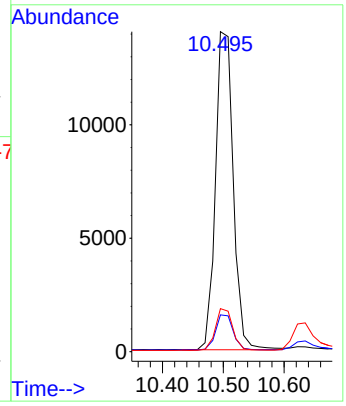


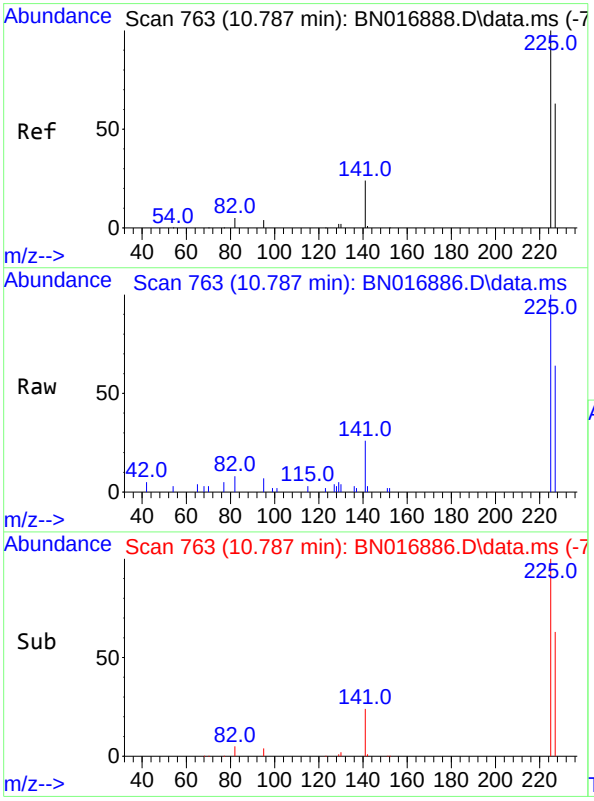
#9
Naphthalene
Concen: 0.11 ng
RT: 10.495 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 28501

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.5	10.7	16.1

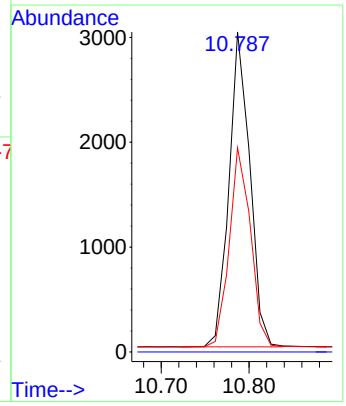


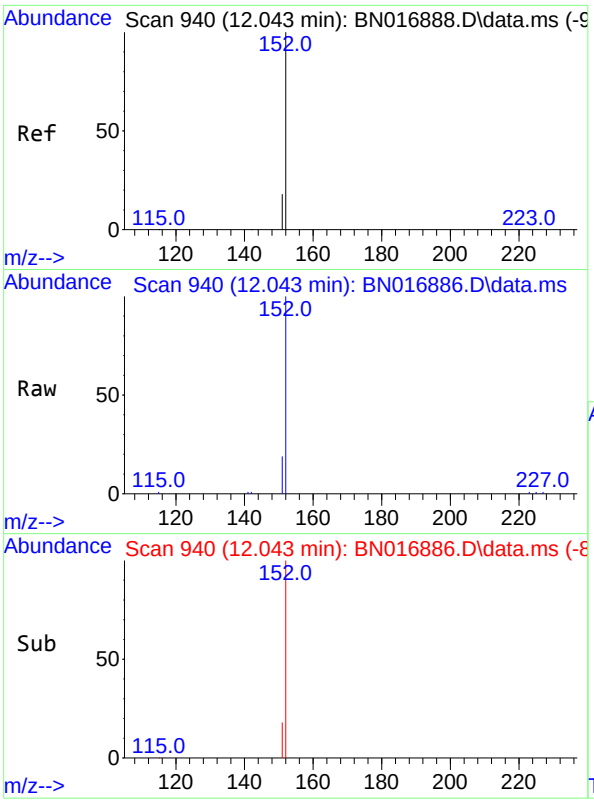


#10
Hexachlorobutadiene
Concen: 0.10 ng
RT: 10.787 min Scan# 763
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:225 Resp: 4956

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	50.9	76.3



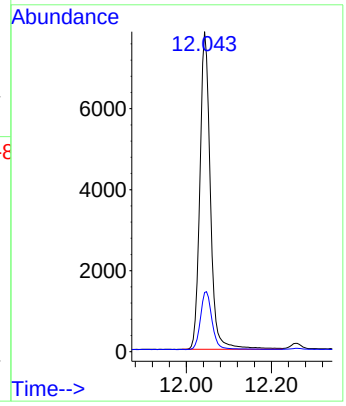


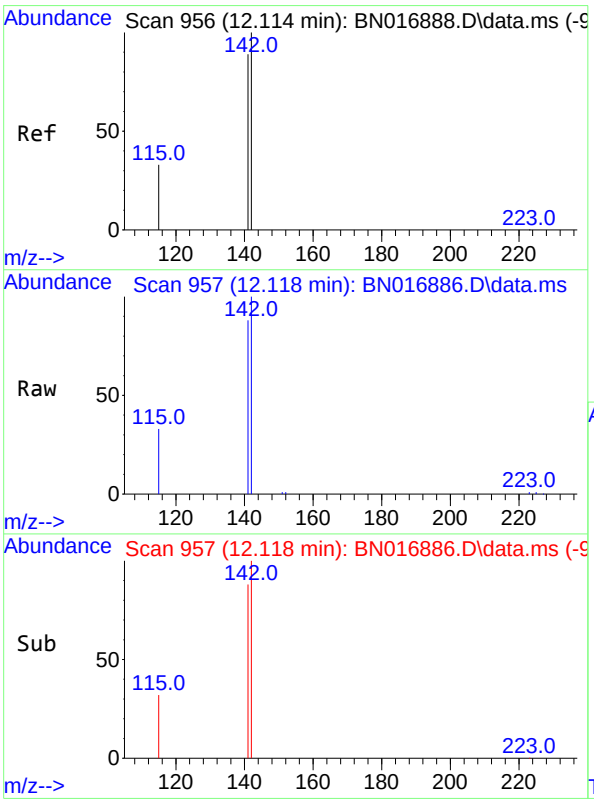
#11
2-Methylnaphthalene-d10
Concen: 0.10 ng
RT: 12.043 min Scan# 94
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 13372

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5

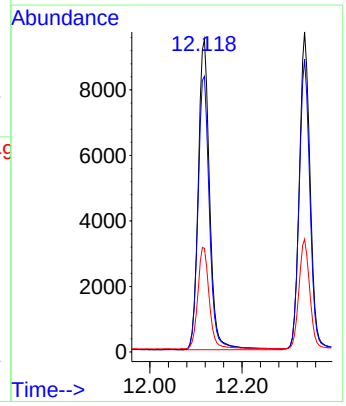


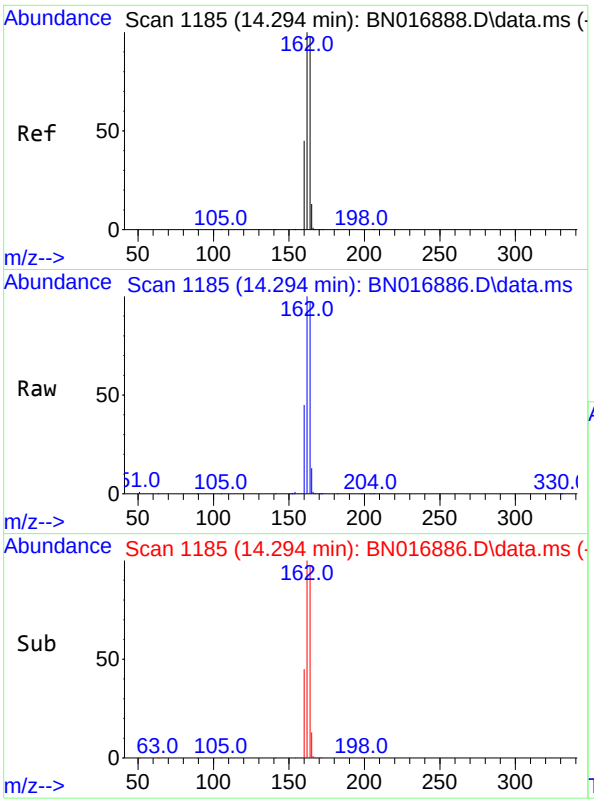


#12
2-Methylnaphthalene
Concen: 0.10 ng
RT: 12.118 min Scan# 957
Delta R.T. 0.004 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:142 Resp: 16340

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.4
115	33.2	26.6	40.0



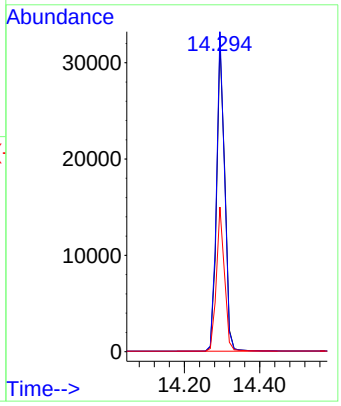


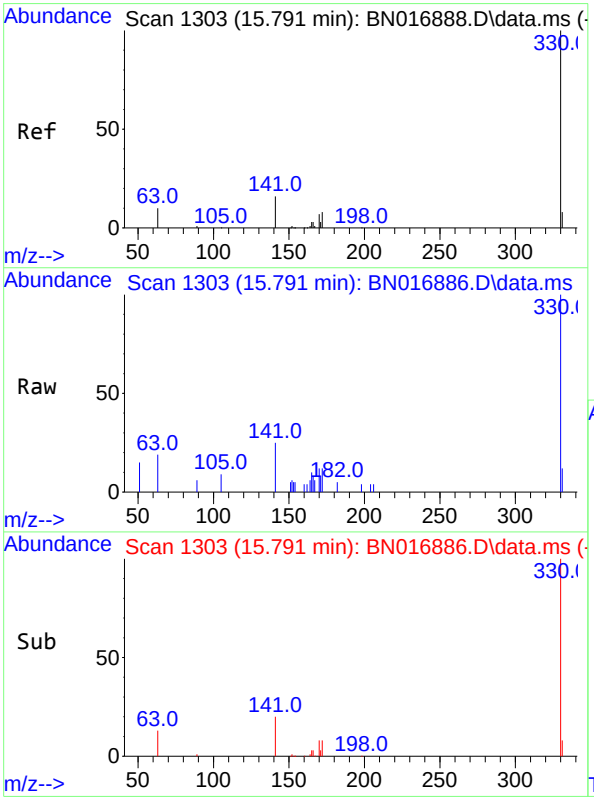
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.294 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 48502

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.8	122.8
160	46.7	37.0	55.4

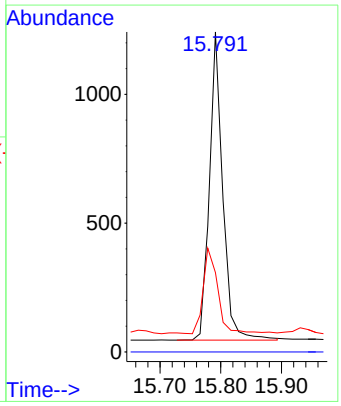


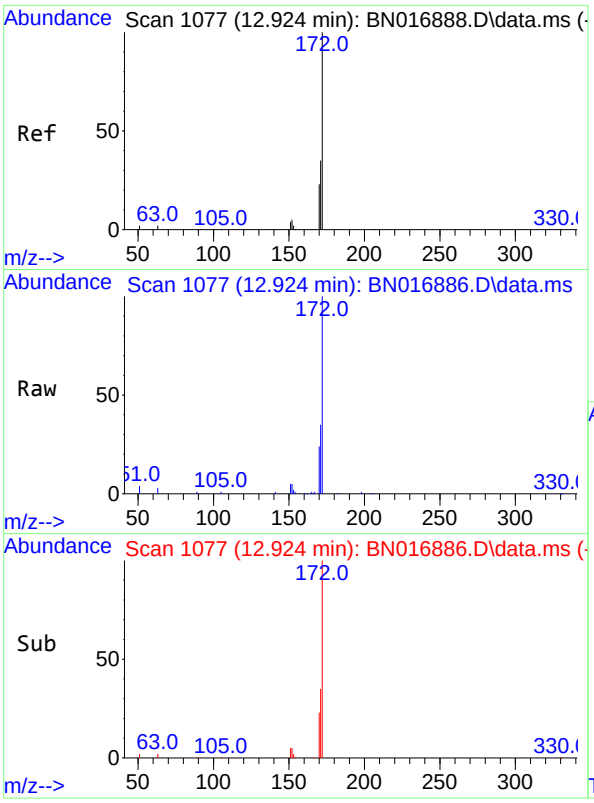


#14
2,4,6-Tribromophenol
Concen: 0.07 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:330 Resp: 1825

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.3	24.3	36.5



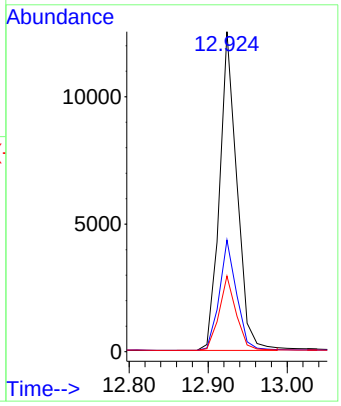


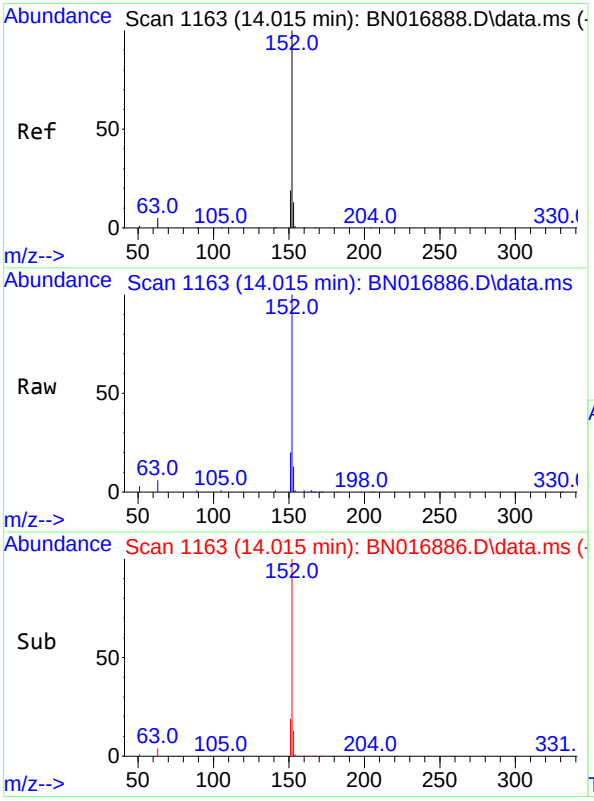
#15
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 12.924 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 19146

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	23.6	18.3	27.5

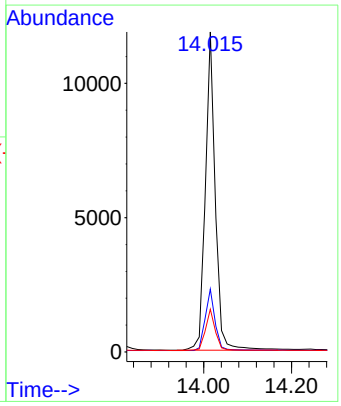


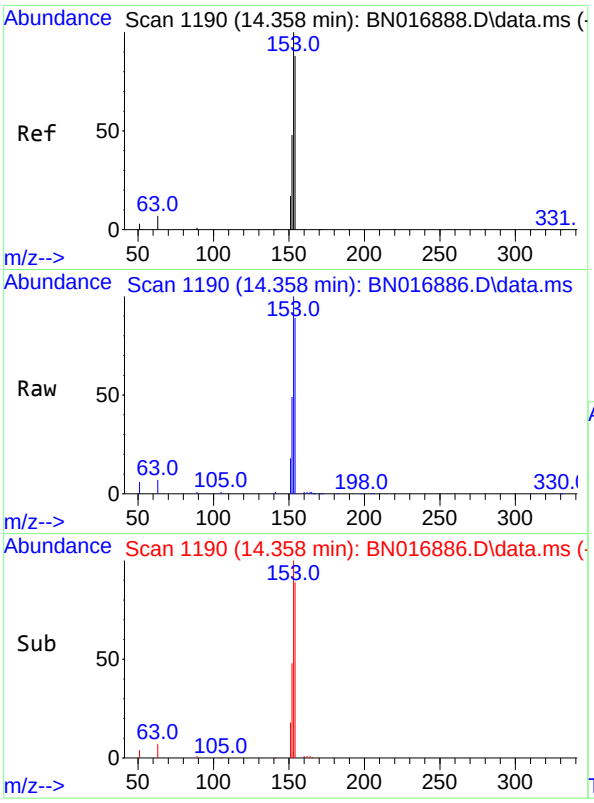


#16
Acenaphthylene
Concen: 0.09 ng
RT: 14.015 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:152 Resp: 18594

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	12.9	10.4	15.6



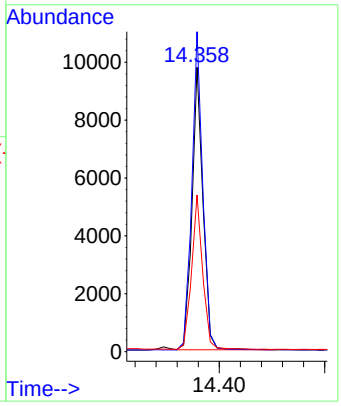


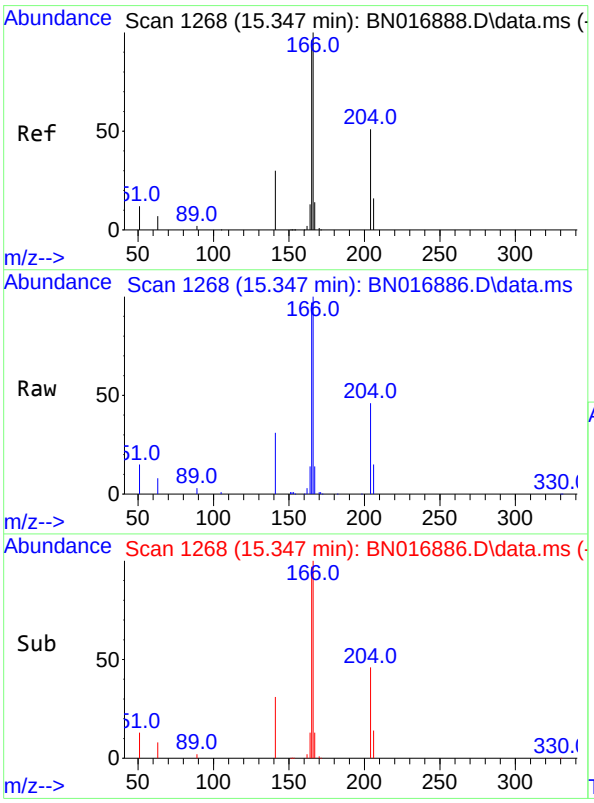
#17
Acenaphthene
Concen: 0.10 ng
RT: 14.358 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 14162

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.6	135.8
152	55.4	43.7	65.5

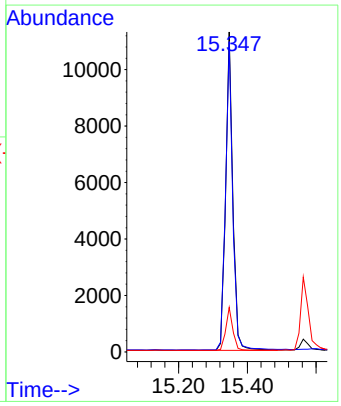


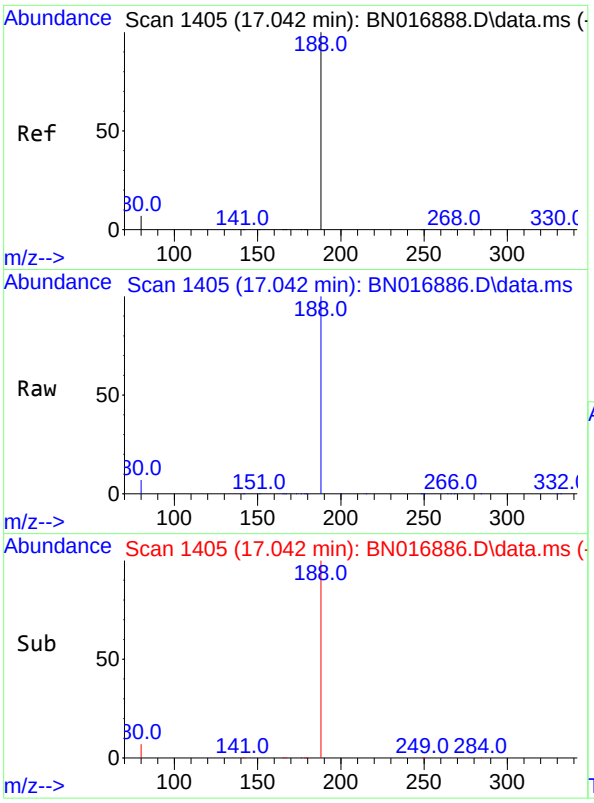


#18
Fluorene
Concen: 0.09 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:166 Resp: 16270

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.2
167	13.4	10.8	16.2



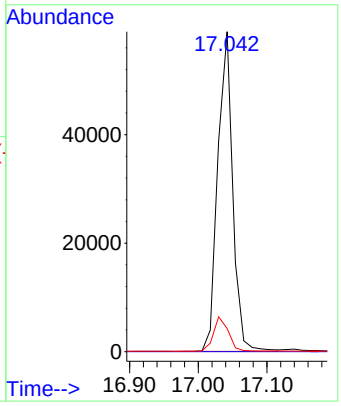


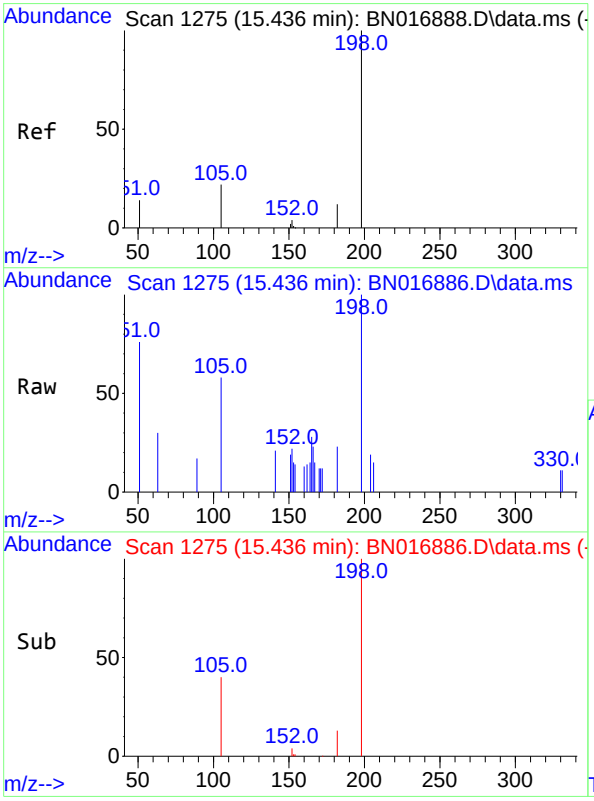
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.042 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 89005

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	5.4	8.2

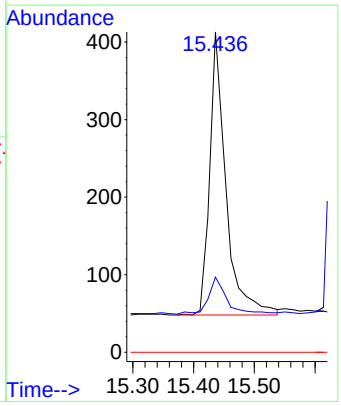


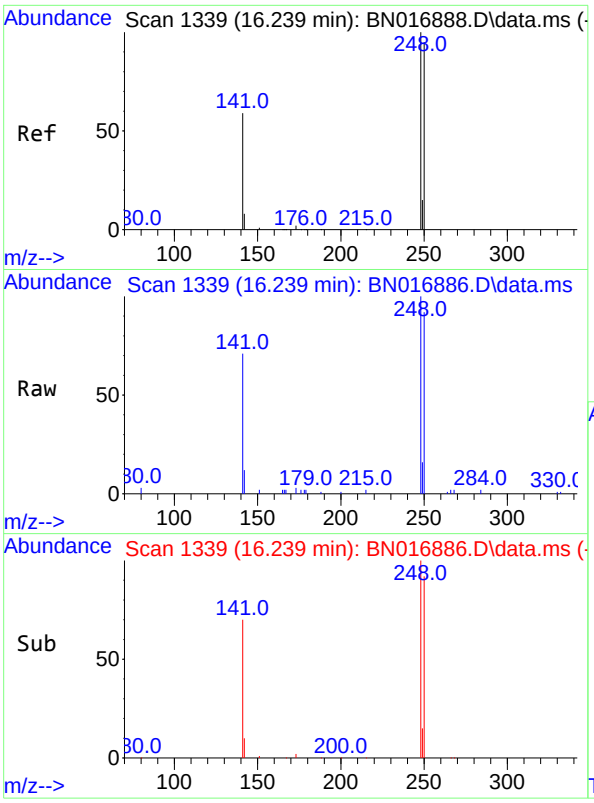


#20
4,6-Dinitro-2-methylphenol
Concen: 0.05 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:198 Resp: 679

Ion	Ratio	Lower	Upper
198	100		
182	23.5	11.1	16.7#
77	0.0	0.0	0.0



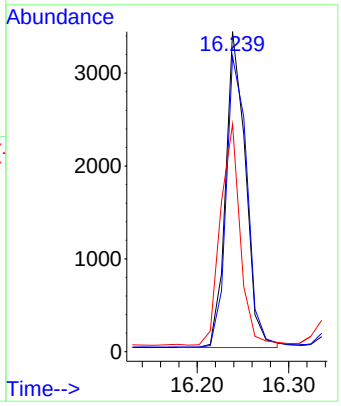


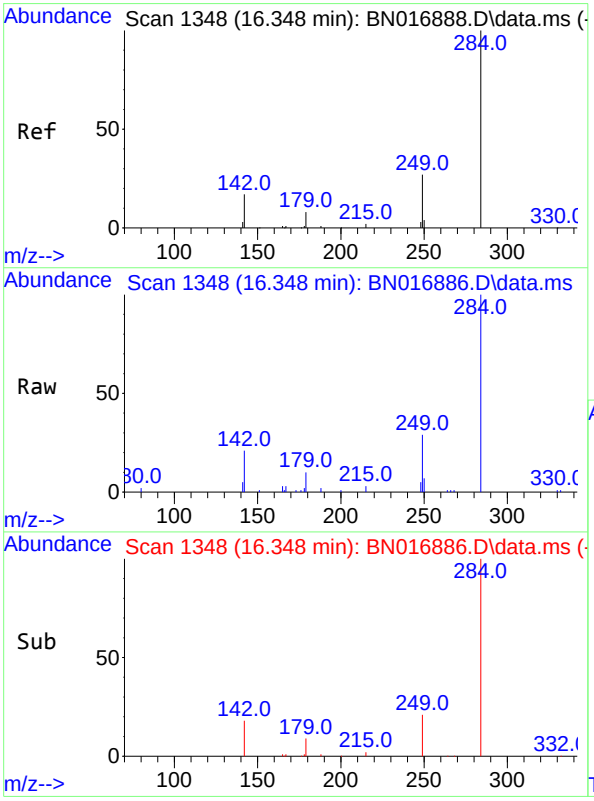
#21
4-Bromophenyl-phenylether
Concen: 0.09 ng
RT: 16.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 5121

Ion	Ratio	Lower	Upper
248	100		
250	92.3	75.8	113.6
141	71.1	47.4	71.2

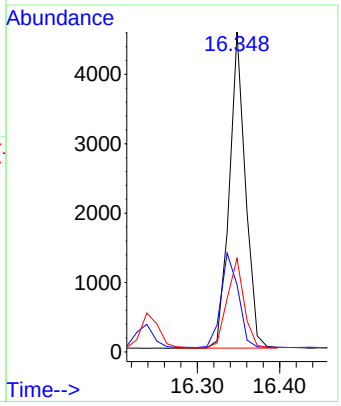


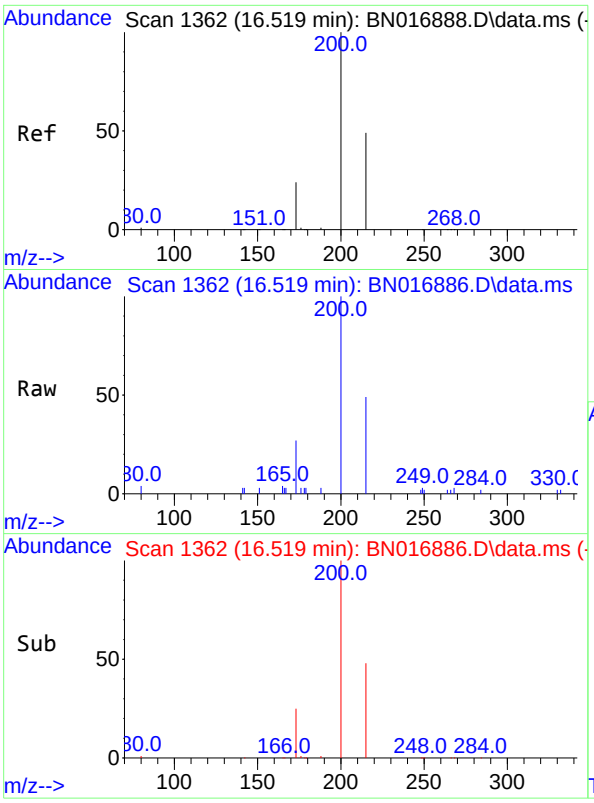


#22
Hexachlorobenzene
Concen: 0.10 ng
RT: 16.348 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:284 Resp: 6196

Ion	Ratio	Lower	Upper
284	100		
142	32.1	25.1	37.7
249	29.2	23.0	34.4



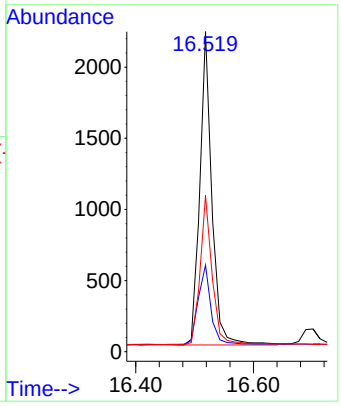


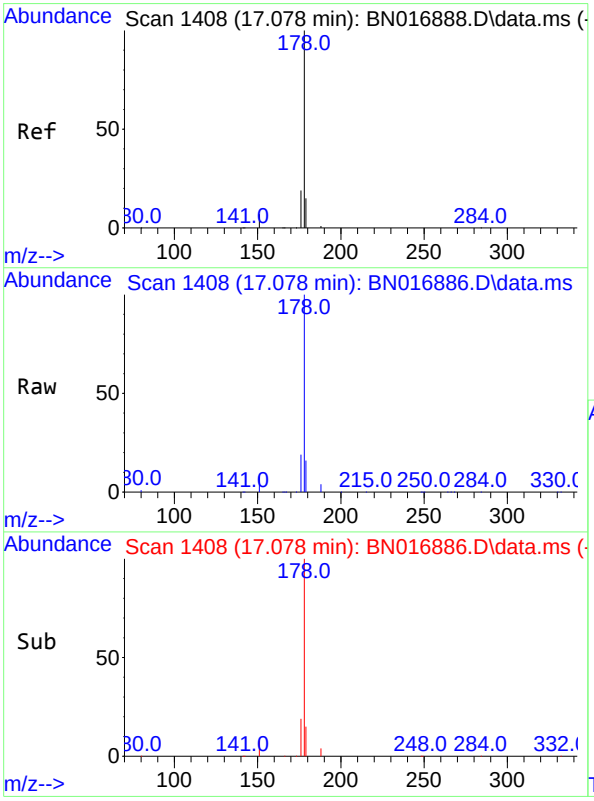
#23
Atrazine
Concen: 0.07 ng
RT: 16.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 3136

Ion	Ratio	Lower	Upper
200	100		
173	27.1	19.7	29.5
215	48.9	39.5	59.3

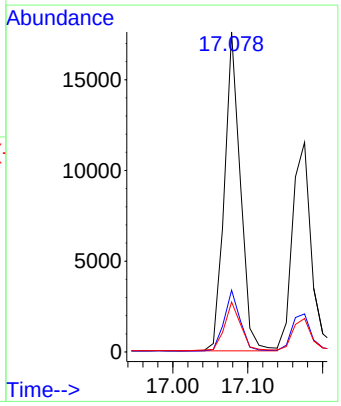


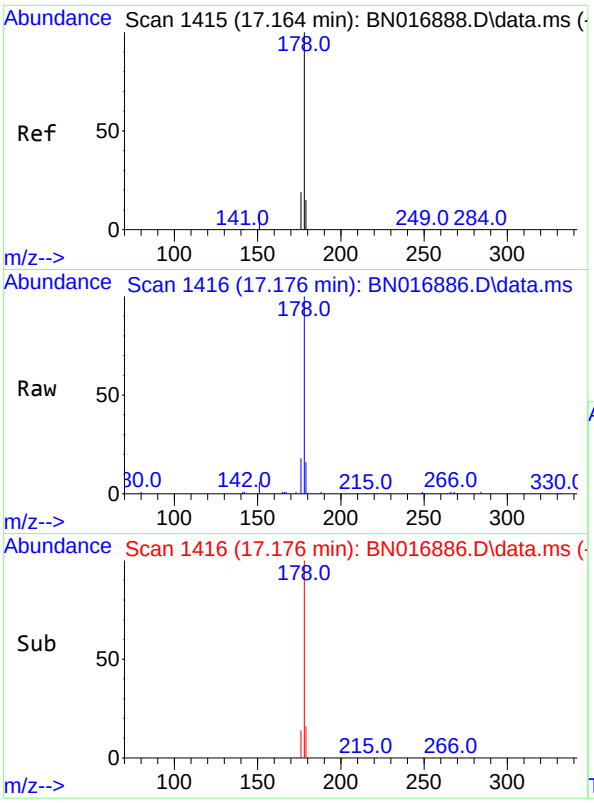


#25
Phenanthrene
Concen: 0.10 ng
RT: 17.078 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:178 Resp: 26035

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.6	12.3	18.5



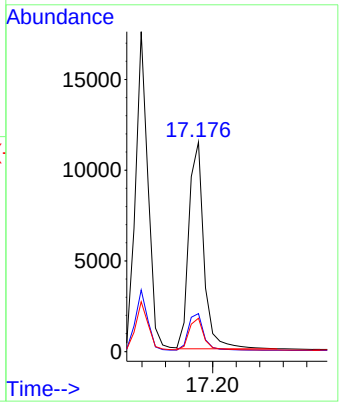


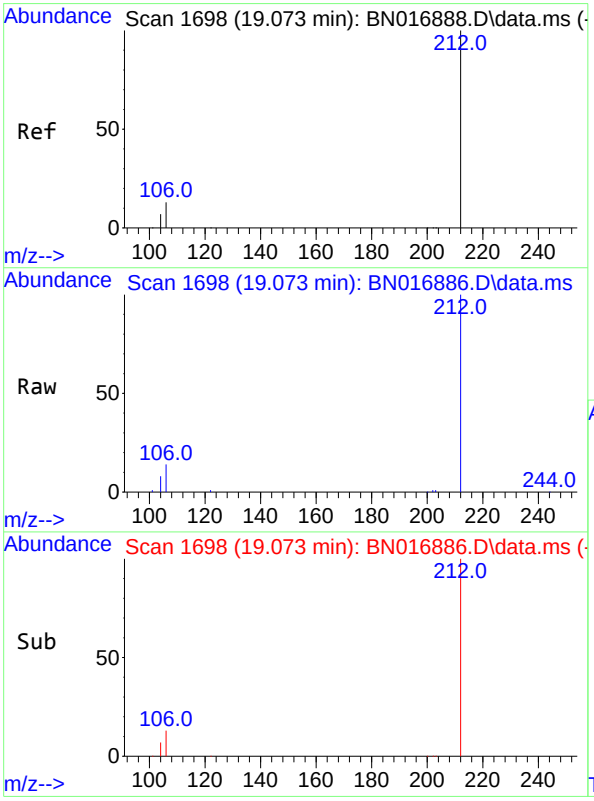
#26
Anthracene
Concen: 0.09 ng
RT: 17.176 min Scan# 14
Delta R.T. 0.012 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 20185

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.2	12.2	18.4

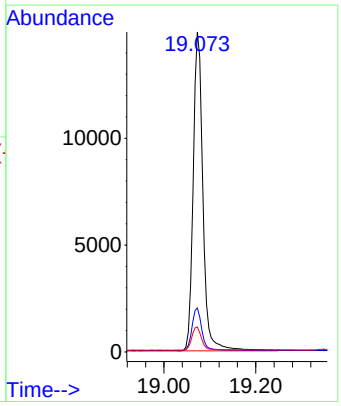


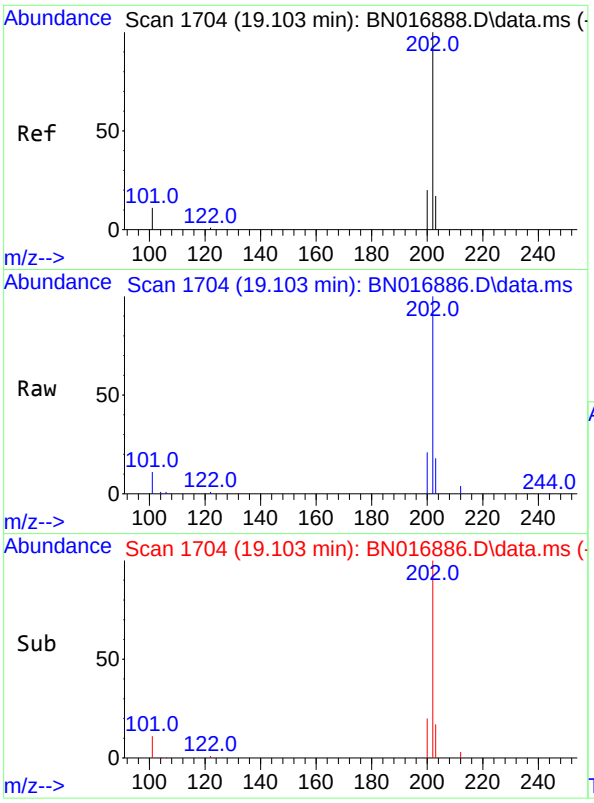


#27
Fluoranthene-d10
Concen: 0.09 ng
RT: 19.073 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:212 Resp: 22074

Ion	Ratio	Lower	Upper
212	100		
106	13.5	10.8	16.2
104	7.4	5.9	8.9



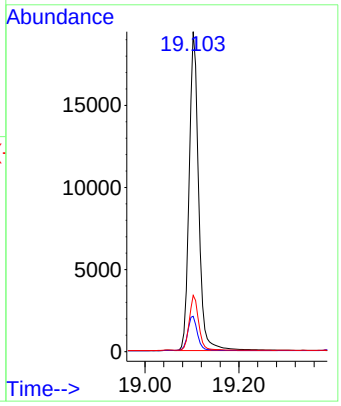


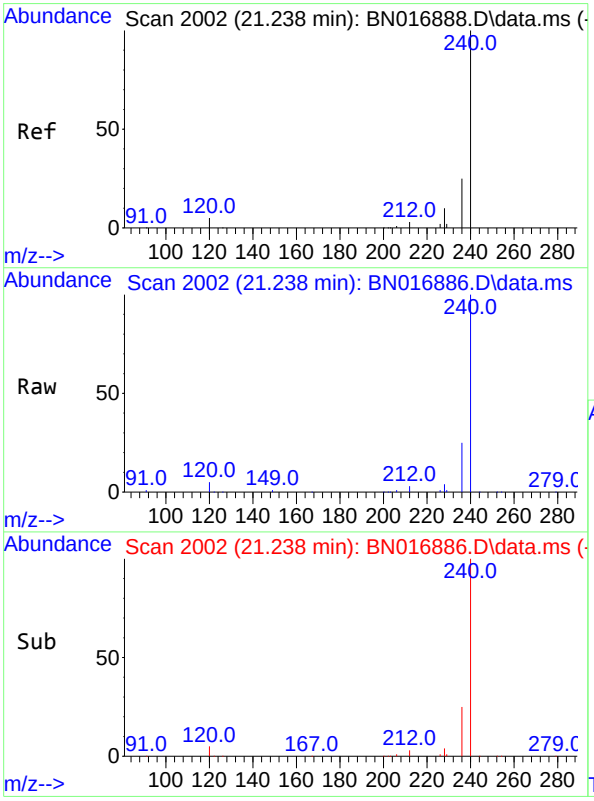
#28
Fluoranthene
Concen: 0.09 ng
RT: 19.103 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:202 Resp: 27304

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.0	13.6
203	17.1	13.8	20.8

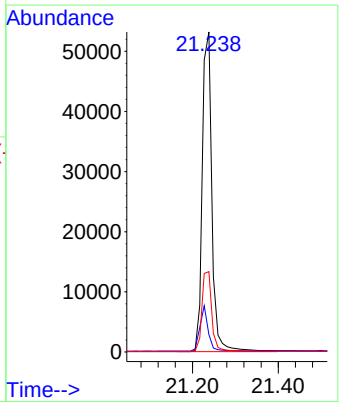


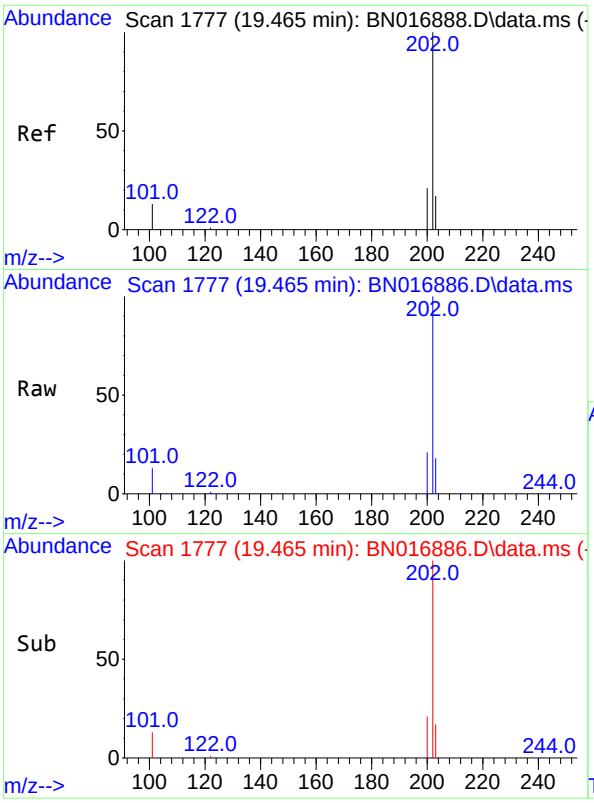


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:240 Resp: 82985

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.1	6.1
236	25.1	20.1	30.1



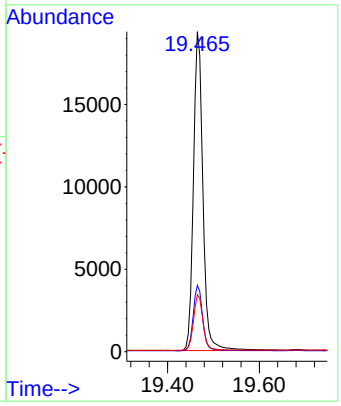


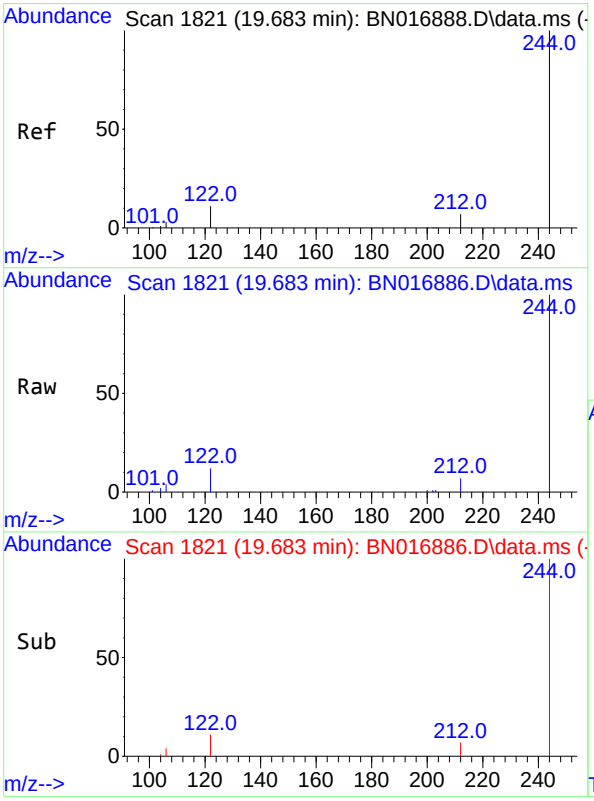
#30
Pyrene
Concen: 0.11 ng
RT: 19.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:202 Resp: 27661

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.5	14.0	21.0

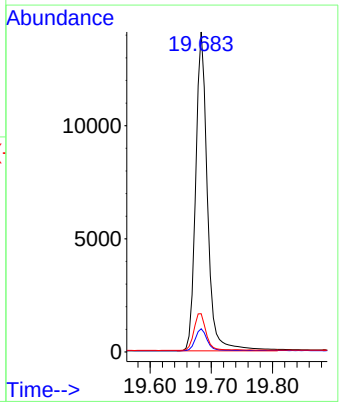


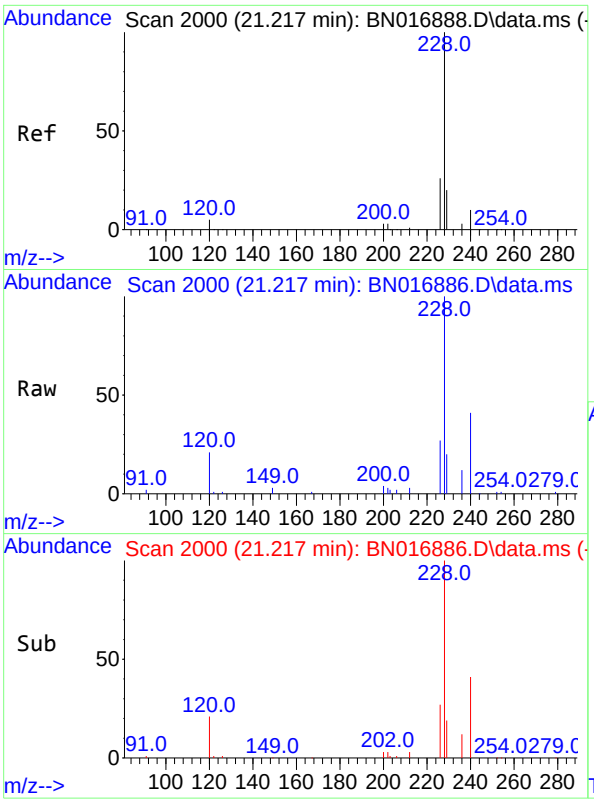


#31
Terphenyl-d14
Concen: 0.10 ng
RT: 19.683 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:244 Resp: 18834

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	11.9	8.6	13.0



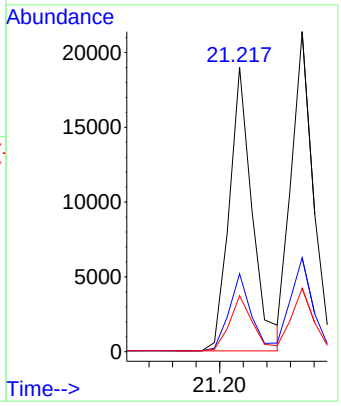


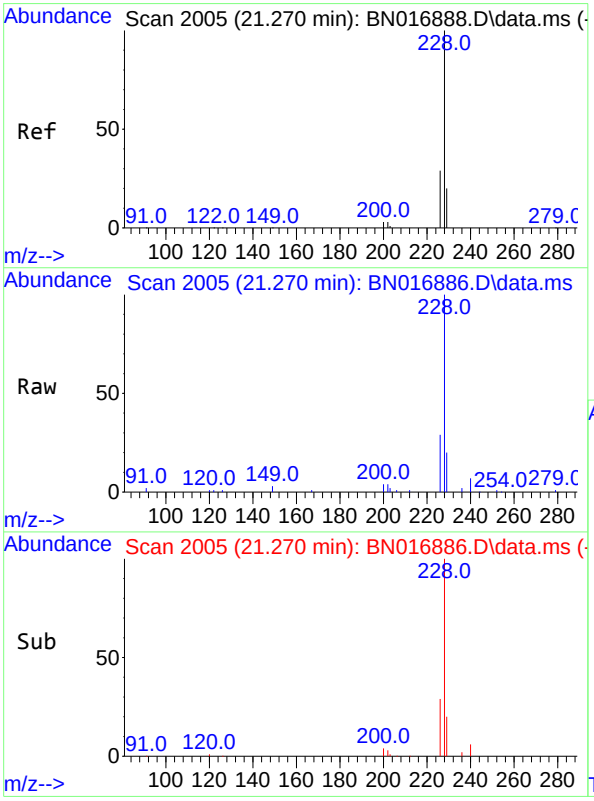
#32
Benzo(a)anthracene
Concen: 0.10 ng
RT: 21.217 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 25770

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.2	31.8
229	19.7	15.8	23.6

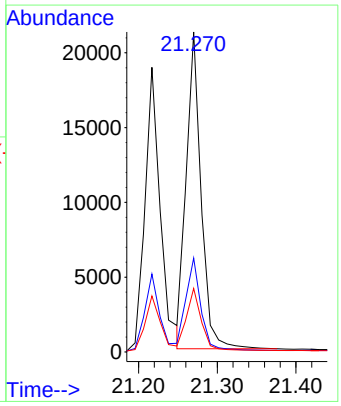


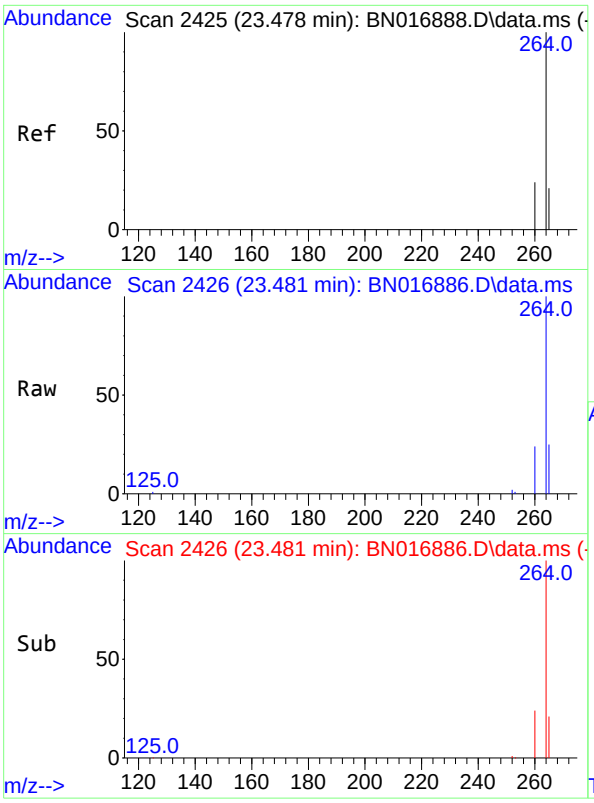


#33
Chrysene
Concen: 0.11 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:228 Resp: 27720

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.3	34.9
229	19.8	15.8	23.6



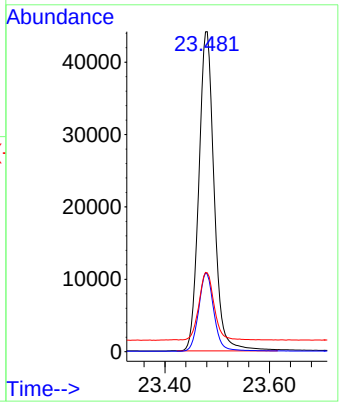


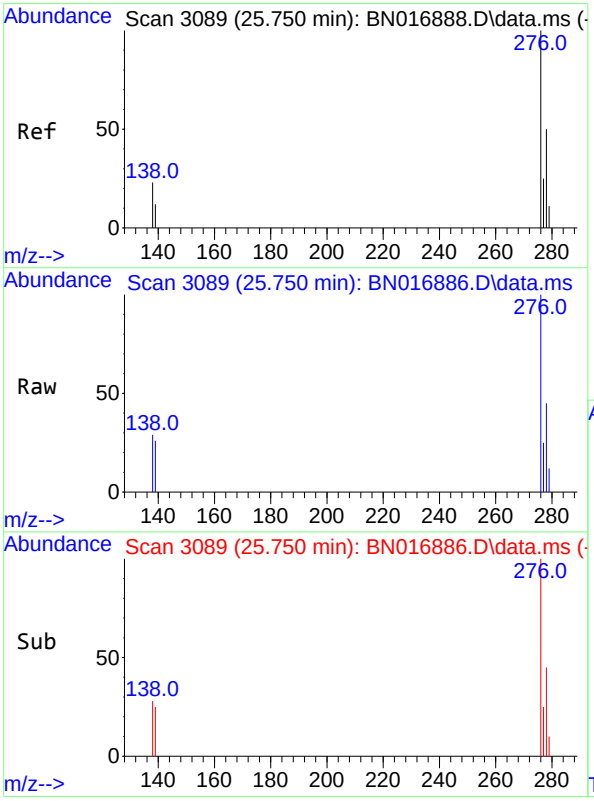
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.481 min Scan# 24
Delta R.T. 0.003 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 89655

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	24.7	19.2	28.8

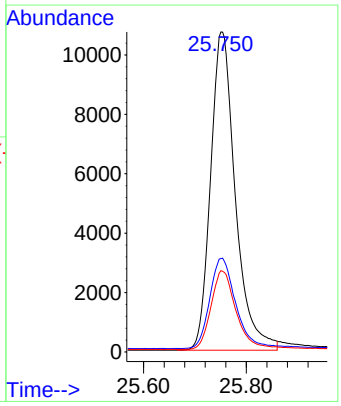


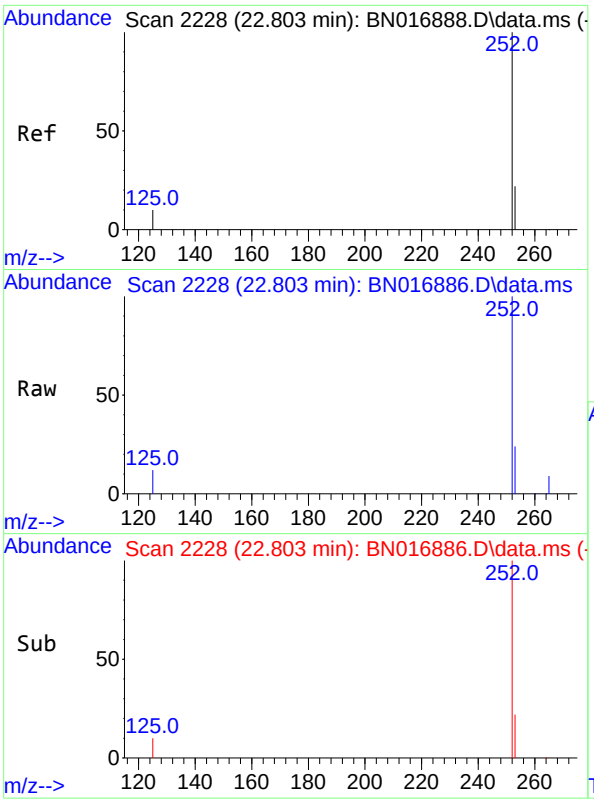


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.11 ng
RT: 25.750 min Scan# 3089
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:276 Resp: 35800

Ion	Ratio	Lower	Upper
276	100		
138	29.7	20.1	30.1
277	25.1	20.1	30.1



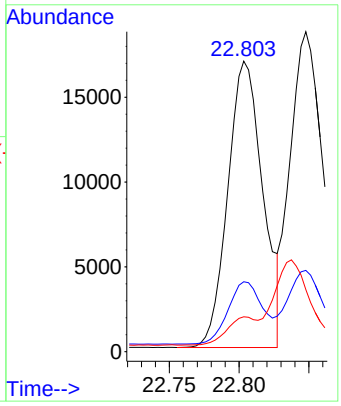


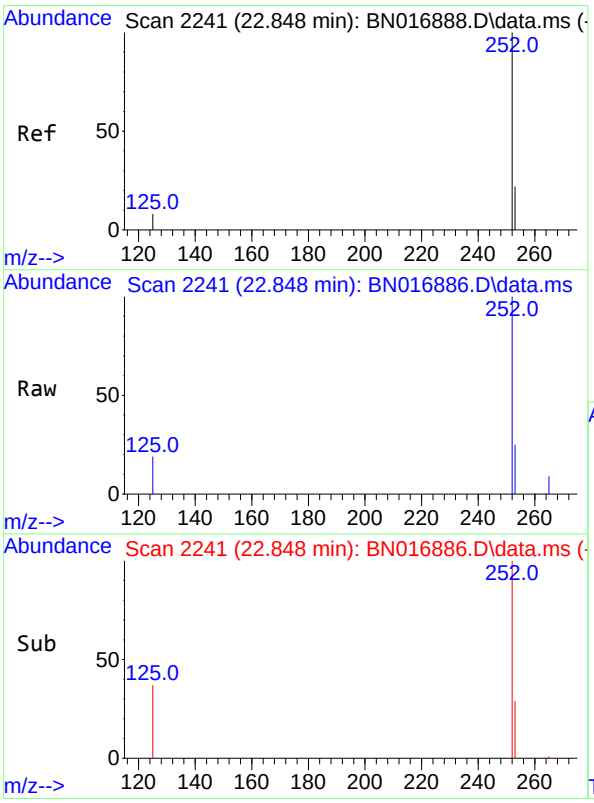
#37
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 22.803 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 29516

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	12.0	8.1	12.1

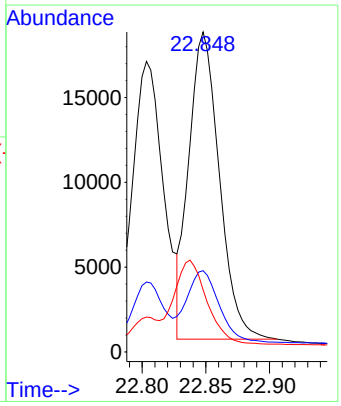


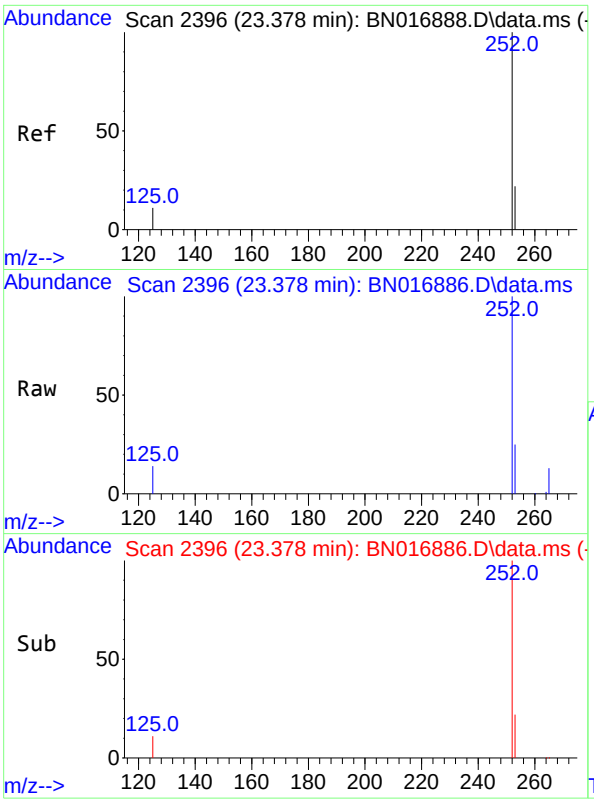


#38
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 22.848 min Scan# 2241
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:252 Resp: 30156

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	19.4	9.0	13.6#



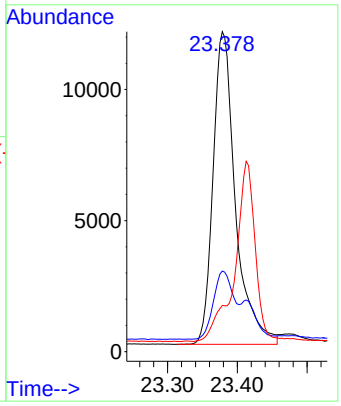


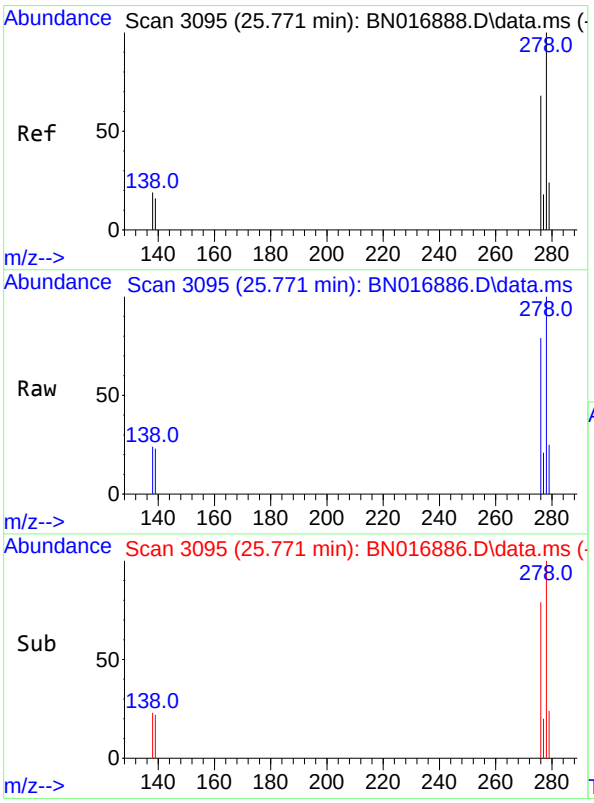
#39
Benzo(a)pyrene
Concen: 0.10 ng
RT: 23.378 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 26542

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	14.4	9.0	13.6#

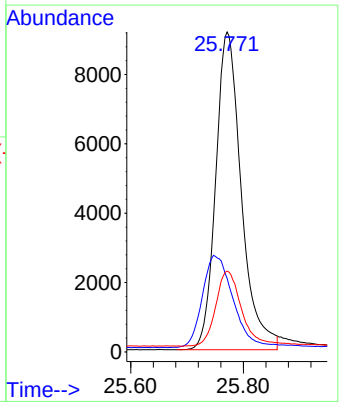


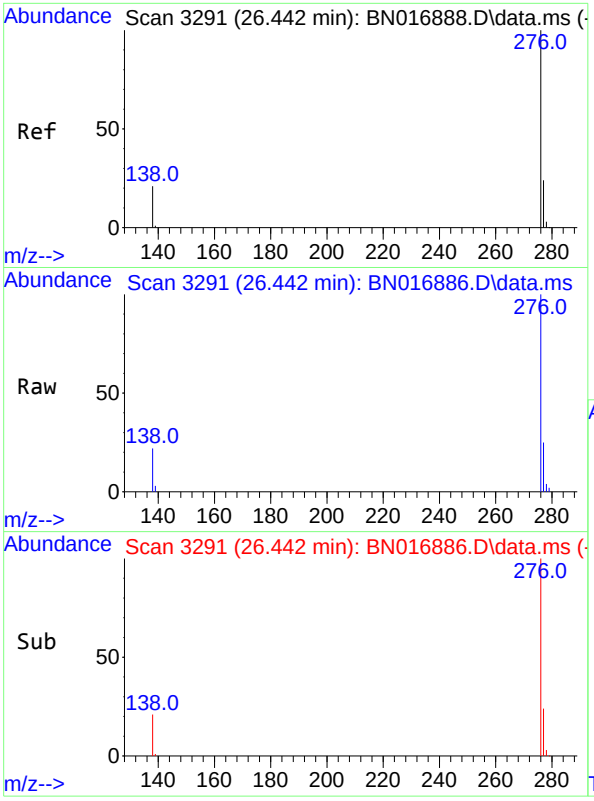


#40
Dibenzo(a,h)anthracene
Concen: 0.10 ng
RT: 25.771 min Scan# 3095
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Tgt Ion:278 Resp: 28875

Ion	Ratio	Lower	Upper
278	100		
139	23.0	13.4	20.0#
279	25.3	19.2	28.8





#41
Benzo(g,h,i)perylene
Concen: 0.10 ng
RT: 26.442 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN016886.D
Acq: 11 Oct 2021 17:56

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 30948

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.6
138	22.1	16.7	25.1