Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093022\
Data File : BN021962.D
Acq On : 30 Sep 2022 11:39
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 30 16:00:29 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN093022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 30 15:59:43 2022
Response via : Initial Calibration

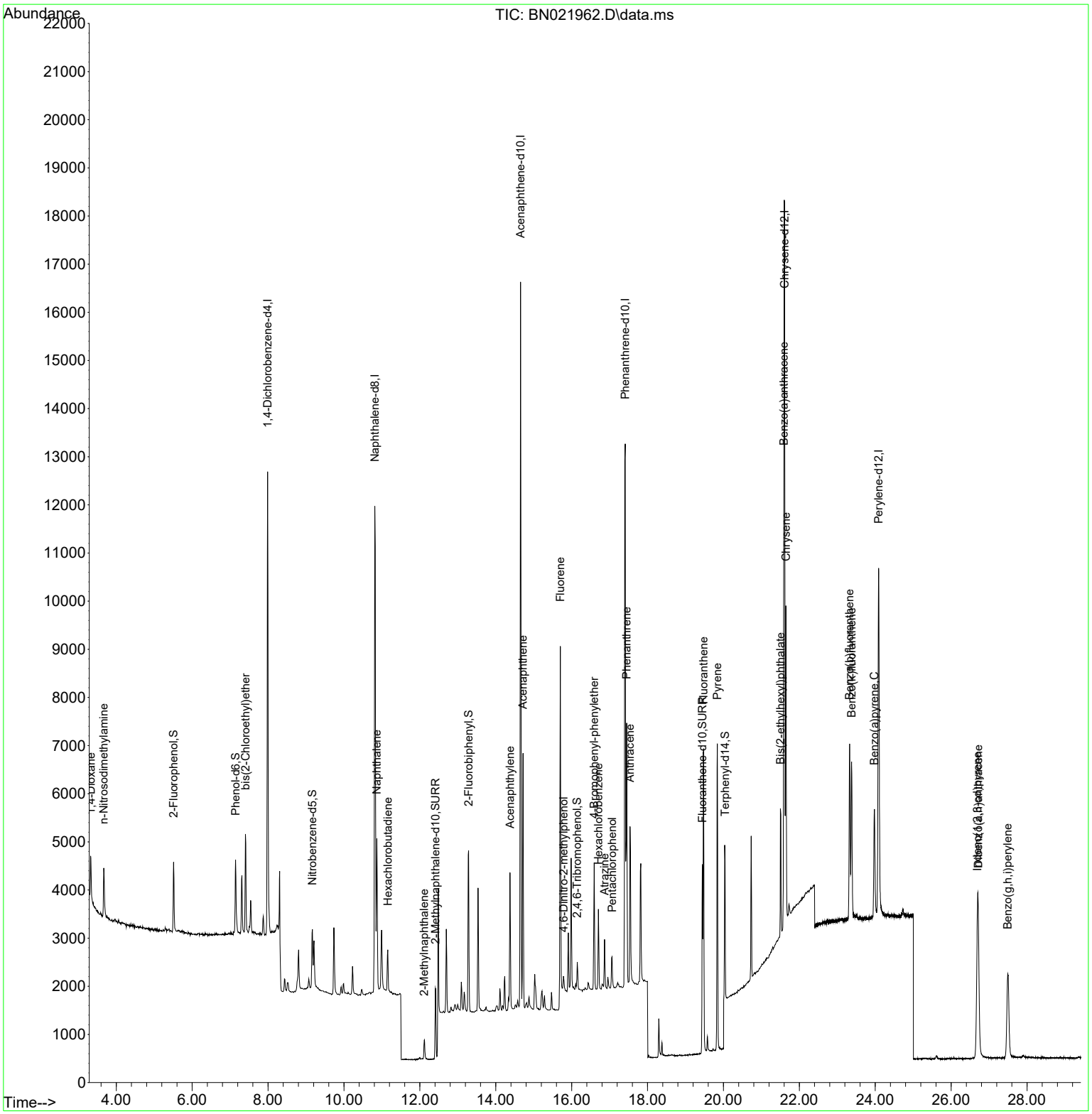
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.989	152	4676	0.400	ng		0.00
7) Naphthalene-d8	10.813	136	14517	0.400	ng		-0.01
13) Acenaphthene-d10	14.654	164	8229	0.400	ng		0.00
19) Phenanthrene-d10	17.413	188	17370	0.400	ng		0.00
29) Chrysene-d12	21.610	240	13885	0.400	ng		0.00
35) Perylene-d12	24.088	264	11374	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.512	112	1227	0.099	ng		0.00
5) Phenol-d6	7.144	99	1526	0.097	ng		0.00
8) Nitrobenzene-d5	9.169	82	1149	0.095	ng		0.00
11) 2-Methylnaphthalene-d10	12.410	152	2389	0.076	ng		0.00
14) 2,4,6-Tribromophenol	16.146	330	305	0.086	ng		0.00
15) 2-Fluorobiphenyl	13.285	172	3319	0.091	ng		0.00
27) Fluoranthene-d10	19.446	212	4264	0.091	ng		0.00
31) Terphenyl-d14	20.042	244	2824	0.092	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	612	0.092	ng		99
3) n-Nitrosodimethylamine	3.670	42	658	0.098	ng	#	94
6) bis(2-Chloroethyl)ether	7.404	93	1515	0.099	ng		97
9) Naphthalene	10.866	128	4091	0.094	ng		96
10) Hexachlorobutadiene	11.154	225	724	0.095	ng	#	100
12) 2-Methylnaphthalene	12.115	142	710	0.083	ng	#	75
16) Acenaphthylene	14.376	152	3189	0.083	ng		100
17) Acenaphthene	14.718	154	2524	0.092	ng		99
18) Fluorene	15.701	166	2932	0.086	ng		96
20) 4,6-Dinitro-2-methylph...	15.786	198	223	0.099	ng	#	36
21) 4-Bromophenyl-phenylether	16.593	248	1014	0.093	ng	#	85
22) Hexachlorobenzene	16.705	284	1173	0.092	ng		98
23) Atrazine	16.866	200	777	0.086	ng		97
24) Pentachlorophenol	17.065	266	384	0.087	ng		96
25) Phenanthrene	17.450	178	5456	0.092	ng		100
26) Anthracene	17.537	178	4162	0.086	ng		99
28) Fluoranthene	19.475	202	5738	0.090	ng		99
30) Pyrene	19.838	202	5884	0.092	ng		98
32) Benzo(a)anthracene	21.592	228	4849	0.090	ng		98
33) Chrysene	21.645	228	5422	0.096	ng		99
34) Bis(2-ethylhexyl)phtha...	21.502	149	2946	0.091	ng		97
36) Indeno(1,2,3-cd)pyrene	26.690	276	5016	0.083	ng		99
37) Benzo(b)fluoranthene	23.325	252	4864	0.092	ng	#	81
38) Benzo(k)fluoranthene	23.374	252	4612	0.089	ng	#	81
39) Benzo(a)pyrene	23.977	252	3596	0.089	ng	#	71
40) Dibenzo(a,h)anthracene	26.716	278	3920	0.082	ng	#	89
41) Benzo(g,h,i)perylene	27.491	276	4279	0.082	ng		92

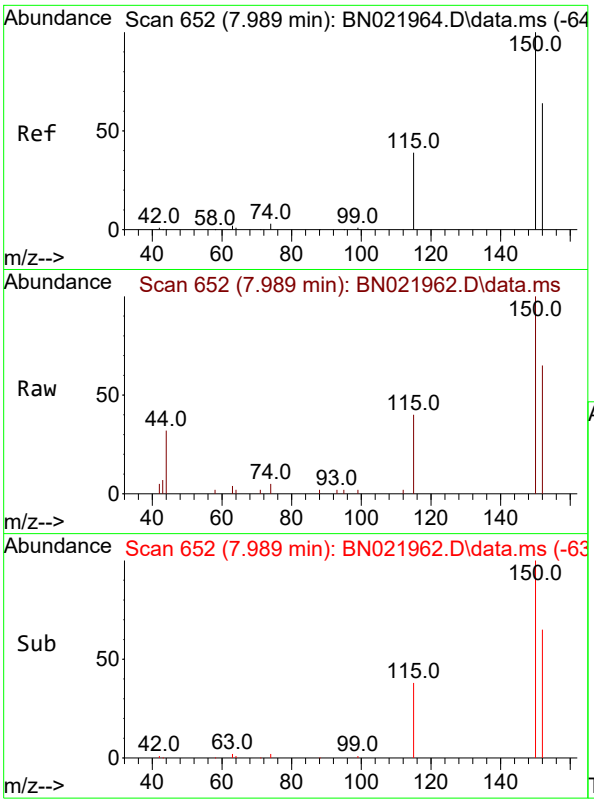
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN093022\
Data File : BN021962.D
Acq On : 30 Sep 2022 11:39
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Sep 30 16:00:29 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN093022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 30 15:59:43 2022
Response via : Initial Calibration



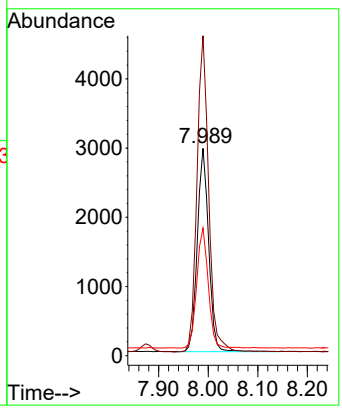


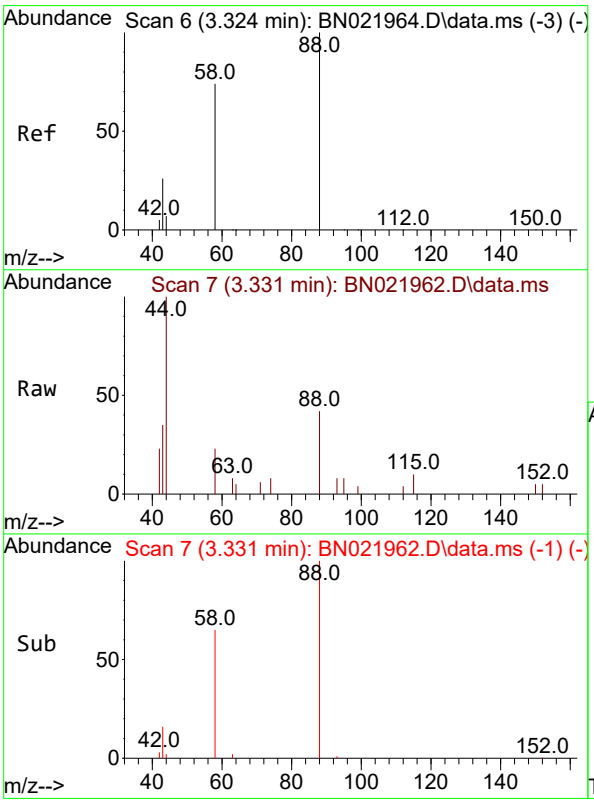
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.989 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 4676

Ion	Ratio	Lower	Upper
152	100		
150	154.3	120.2	180.4
115	61.6	49.4	74.2

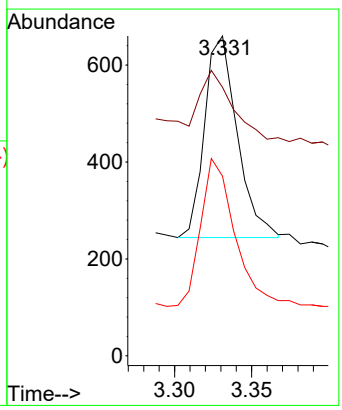


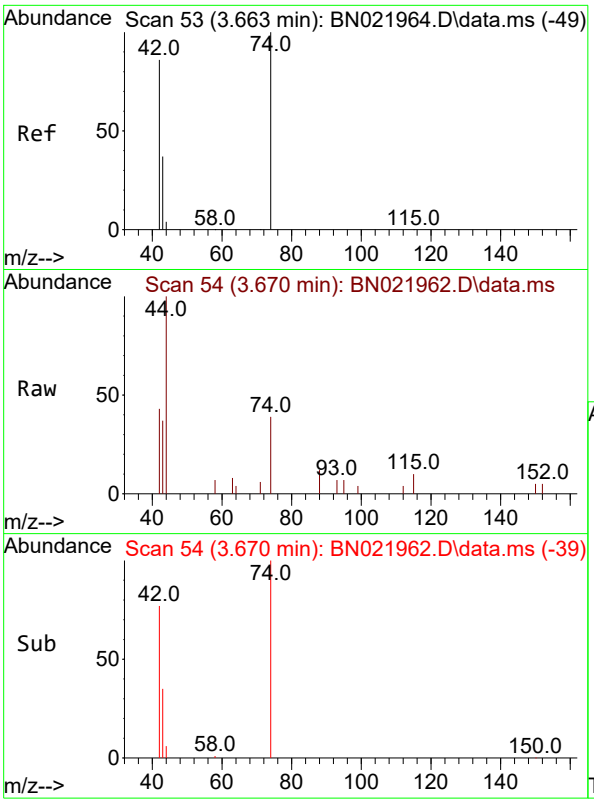


#2
1,4-Dioxane
Concen: 0.092 ng
RT: 3.331 min Scan# 7
Delta R.T. 0.007 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion: 88 Resp: 612

Ion	Ratio	Lower	Upper
88	100		
43	32.4	23.8	35.6
58	74.8	59.8	89.8



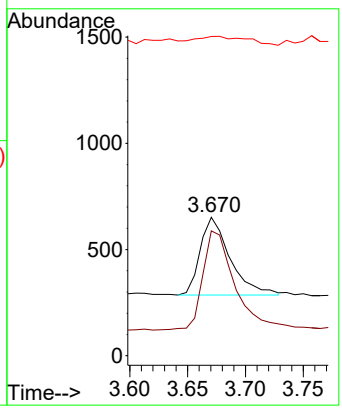


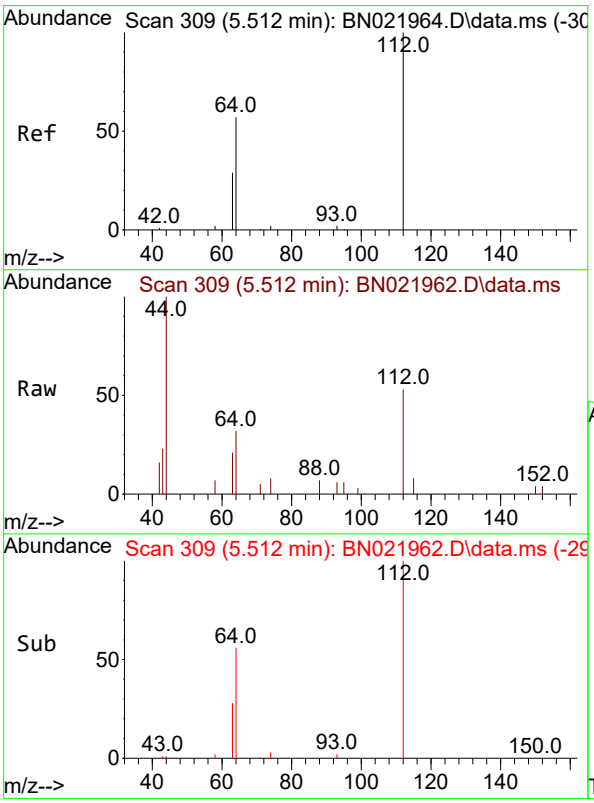
#3
n-Nitrosodimethylamine
Concen: 0.098 ng
RT: 3.670 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 658

Ion	Ratio	Lower	Upper
42	100		
74	136.5	105.0	157.4
44	18.7	9.0	13.4#

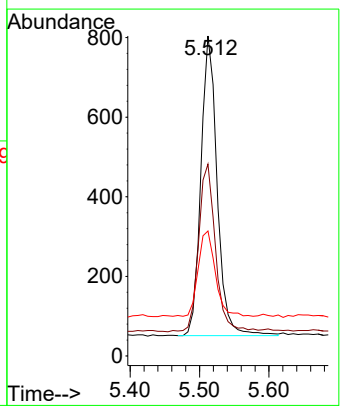


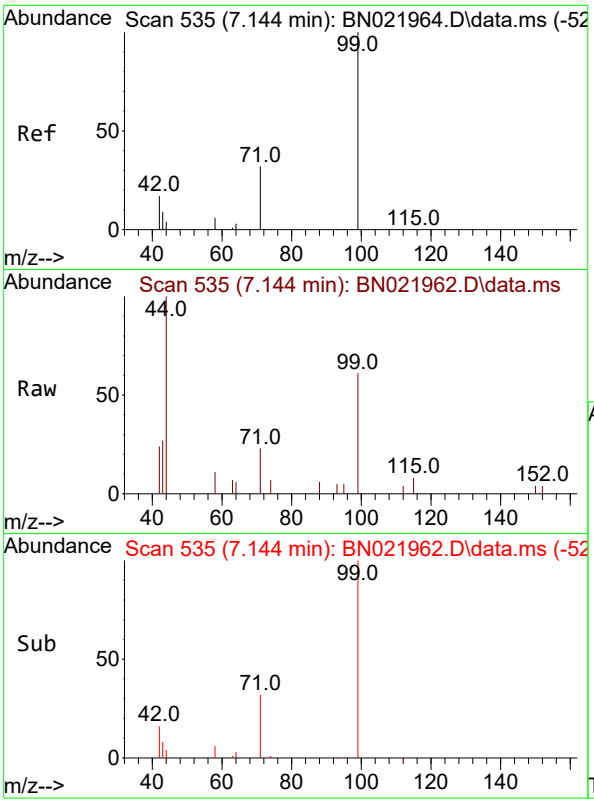


#4
2-Fluorophenol
Concen: 0.099 ng
RT: 5.512 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:112 Resp: 1227

Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.9	68.9
63	30.2	24.0	36.0



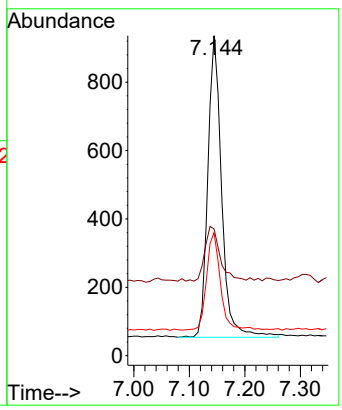


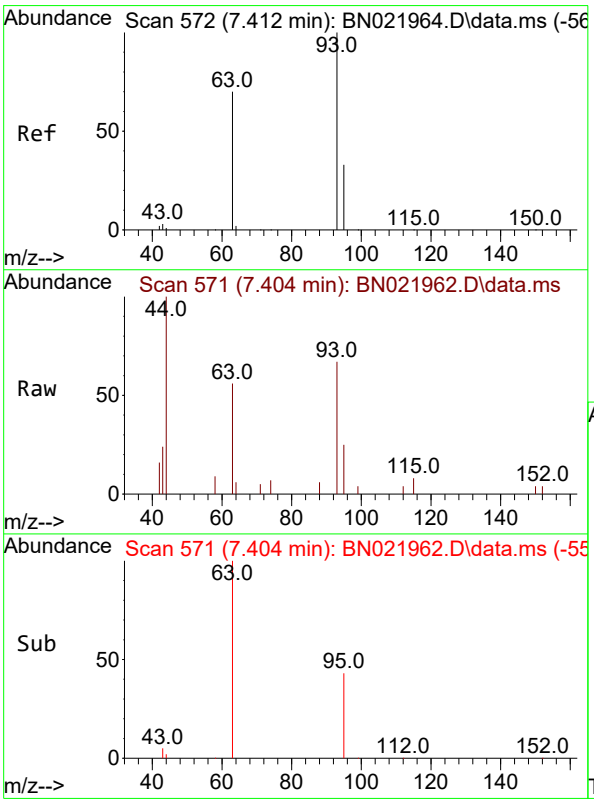
#5
Phenol-d6
Concen: 0.097 ng
RT: 7.144 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 1526

Ion	Ratio	Lower	Upper
99	100		
42	19.9	15.9	23.9
71	32.5	25.9	38.9

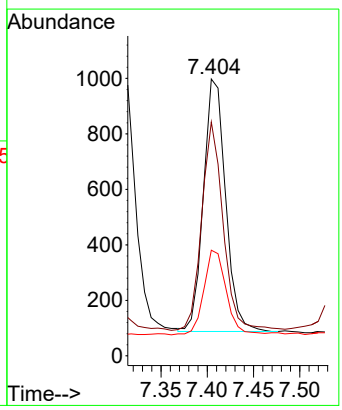


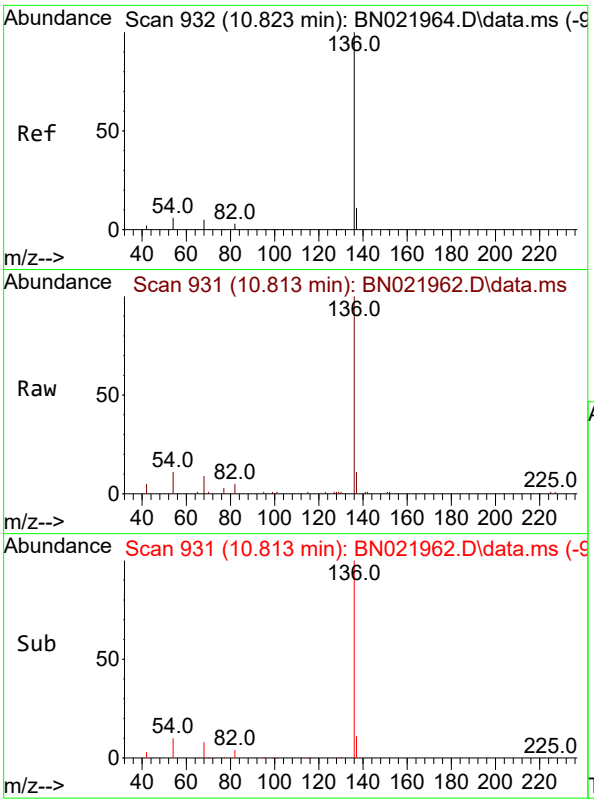


#6
bis(2-Chloroethyl)ether
Concen: 0.099 ng
RT: 7.404 min Scan# 571
Delta R.T. -0.007 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion: 93 Resp: 1515

Ion	Ratio	Lower	Upper
93	100		
63	79.9	61.6	92.4
95	33.7	26.6	40.0



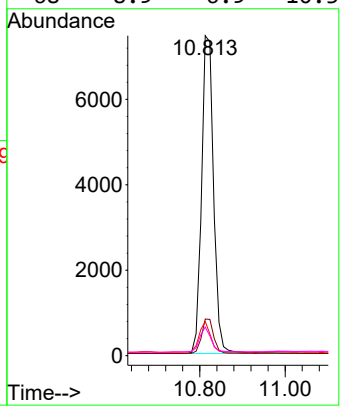


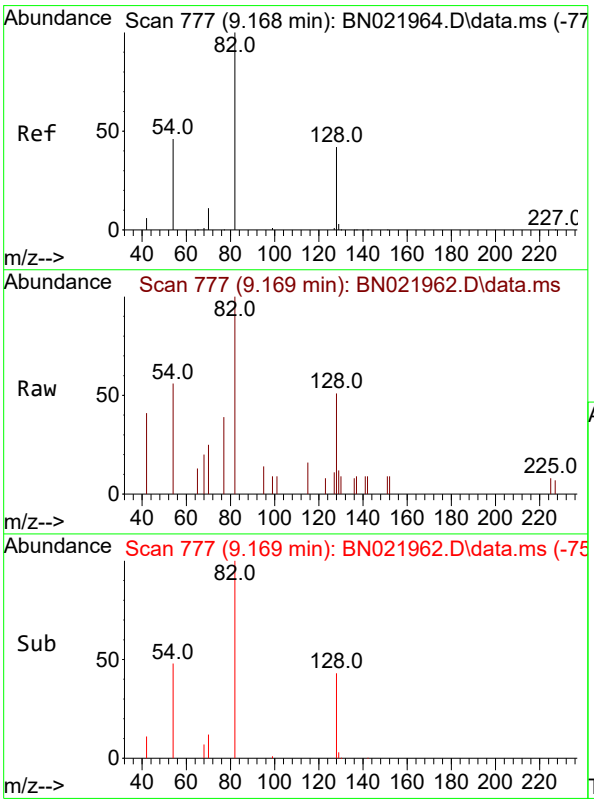
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.813 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 14517

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.2
54	10.7	7.8	11.8
68	8.9	6.9	10.3

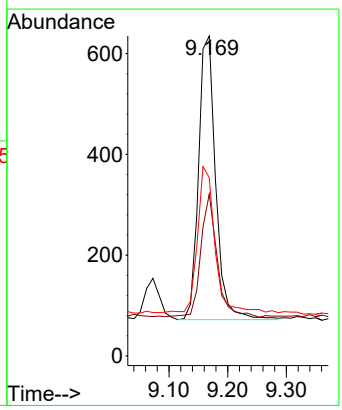


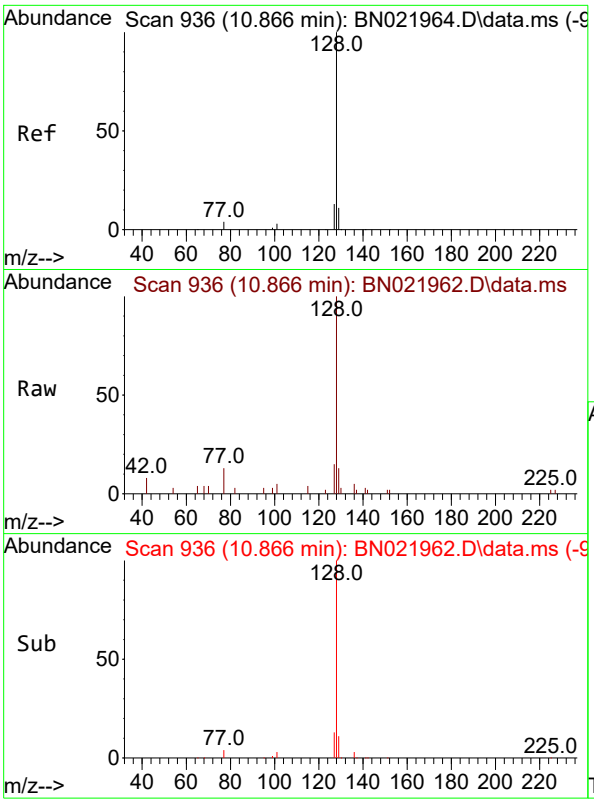


#8
Nitrobenzene-d5
Concen: 0.095 ng
RT: 9.169 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion: 82 Resp: 1149

Ion	Ratio	Lower	Upper
82	100		
128	50.6	37.7	56.5
54	55.7	37.1	55.7#



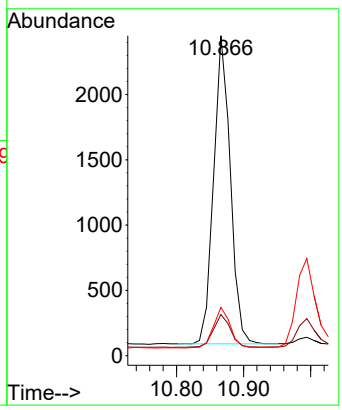


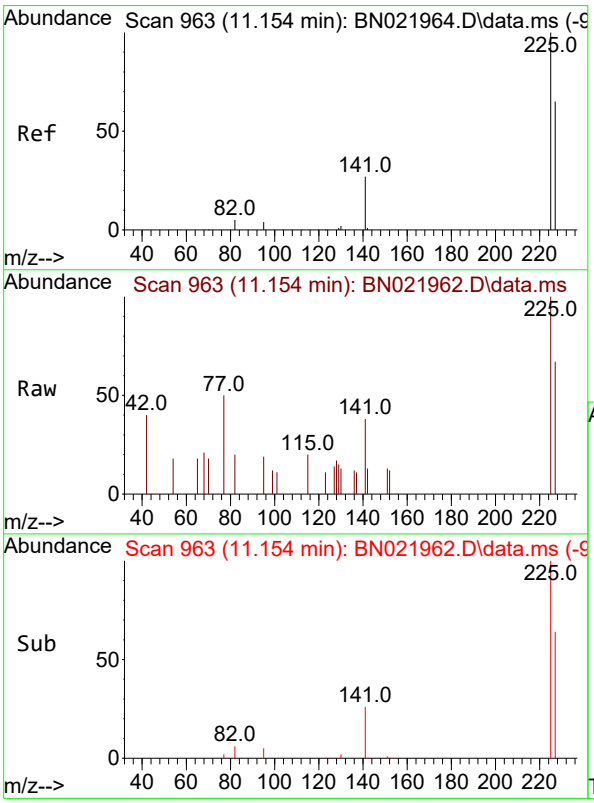
#9
Naphthalene
Concen: 0.094 ng
RT: 10.866 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 4091

Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.4	14.0
127	15.1	10.6	16.0

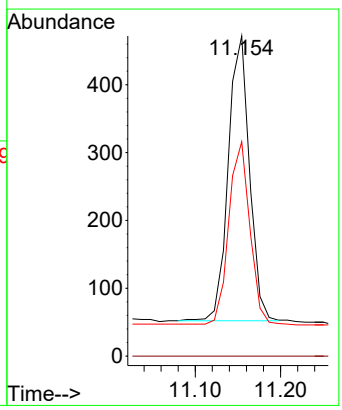


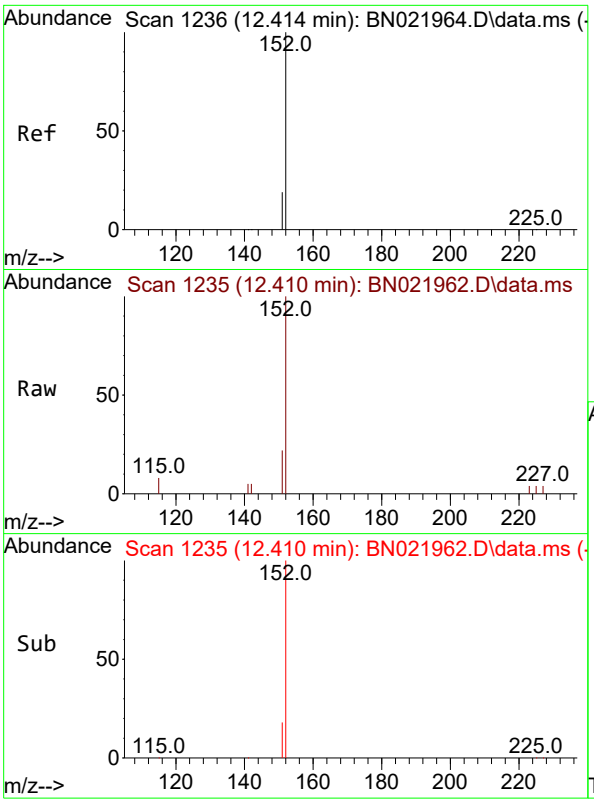


#10
Hexachlorobutadiene
Concen: 0.095 ng
RT: 11.154 min Scan# 963
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:225 Resp: 724

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	50.5	75.7



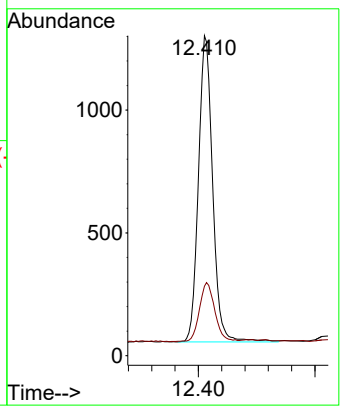


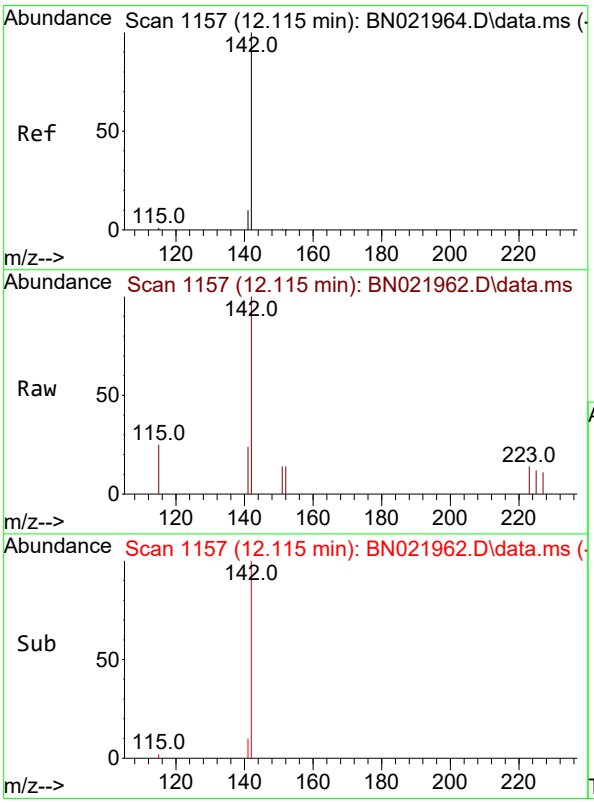
#11
2-Methylnaphthalene-d10
Concen: 0.076 ng
RT: 12.410 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 2389

Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.7	23.5

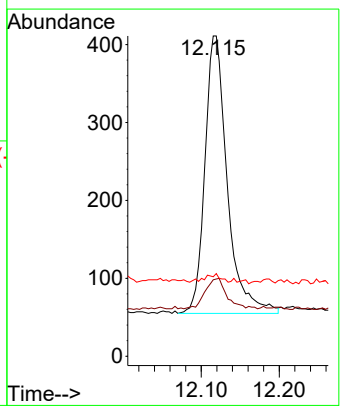


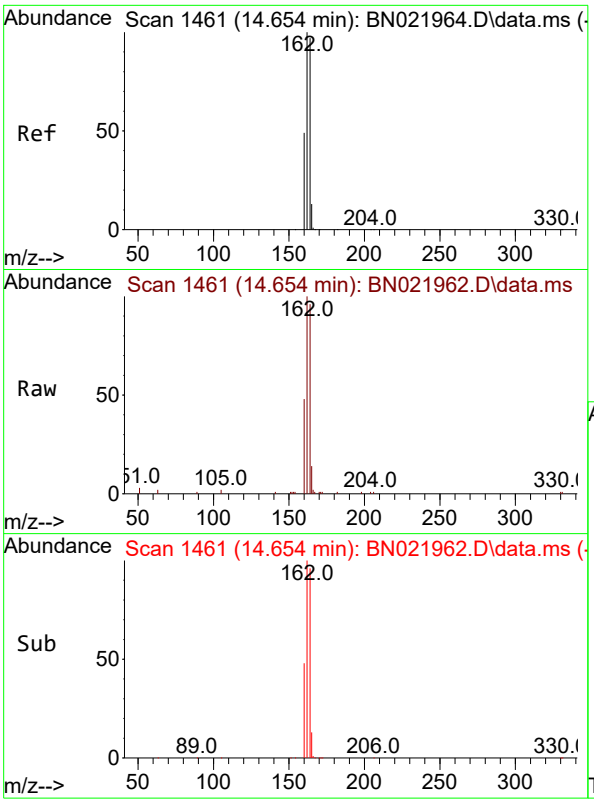


#12
2-Methylnaphthalene
Concen: 0.083 ng
RT: 12.115 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:142 Resp: 710

Ion	Ratio	Lower	Upper
142	100		
141	23.8	12.7	19.1#
115	24.8	9.6	14.4#



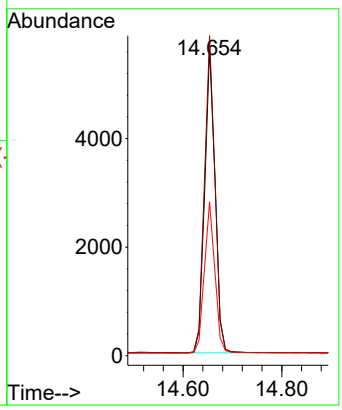


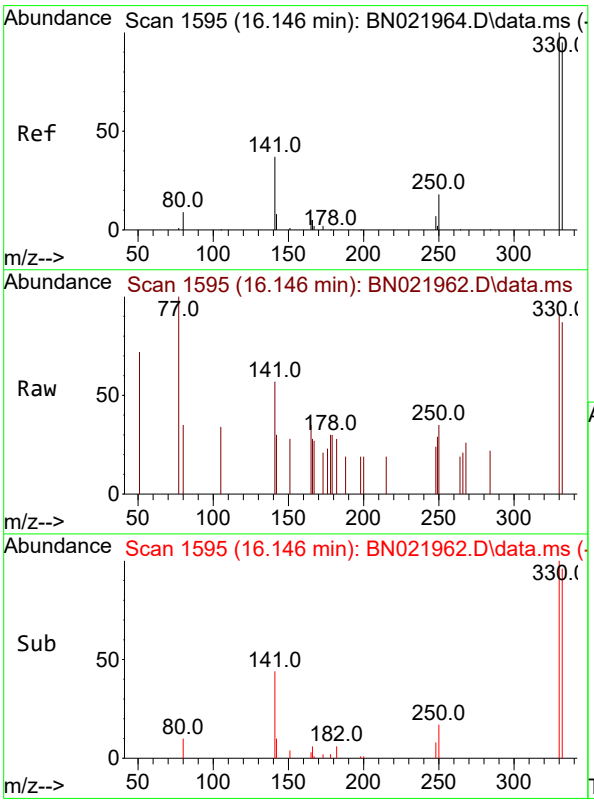
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.654 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 8229

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.8	124.2
160	50.1	39.5	59.3

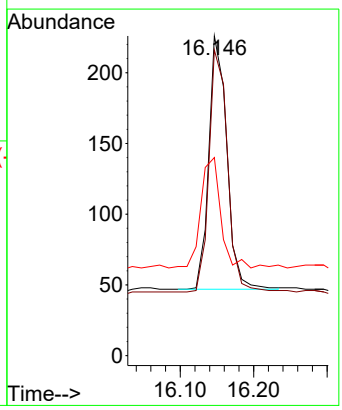


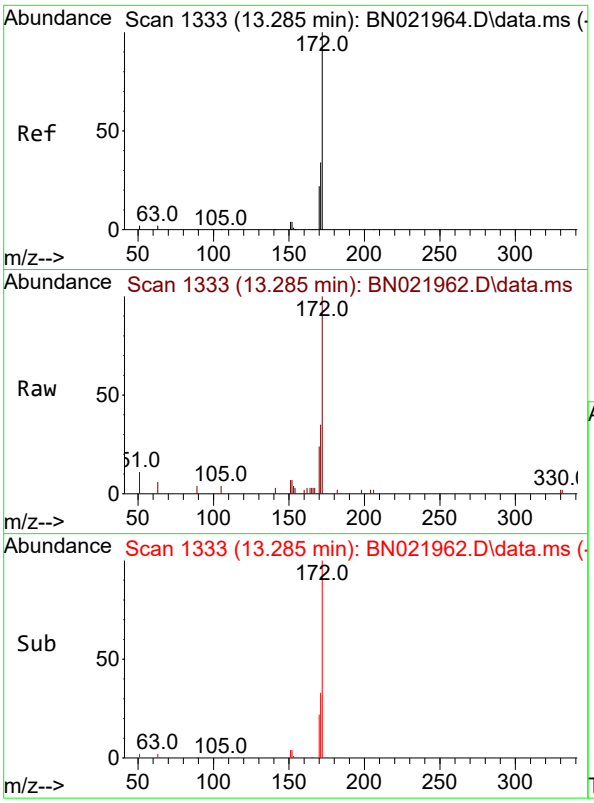


#14
2,4,6-Tribromophenol
Concen: 0.086 ng
RT: 16.146 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:330 Resp: 305

Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.7	118.1
141	48.5	35.0	52.4



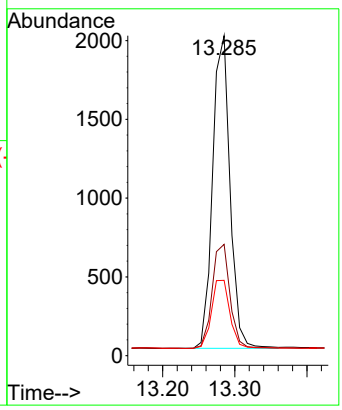


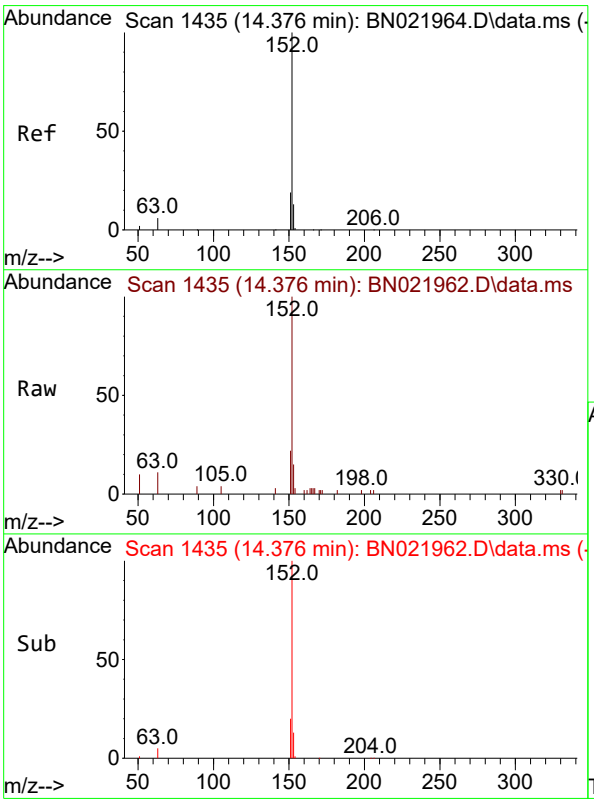
#15
2-Fluorobiphenyl
Concen: 0.091 ng
RT: 13.285 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 3319

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.2
170	23.5	18.6	28.0

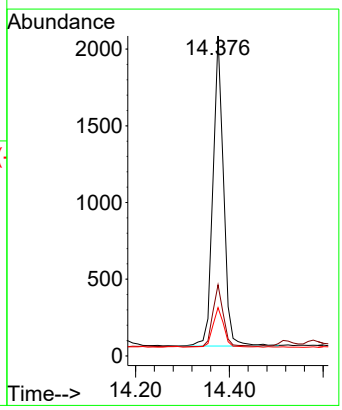


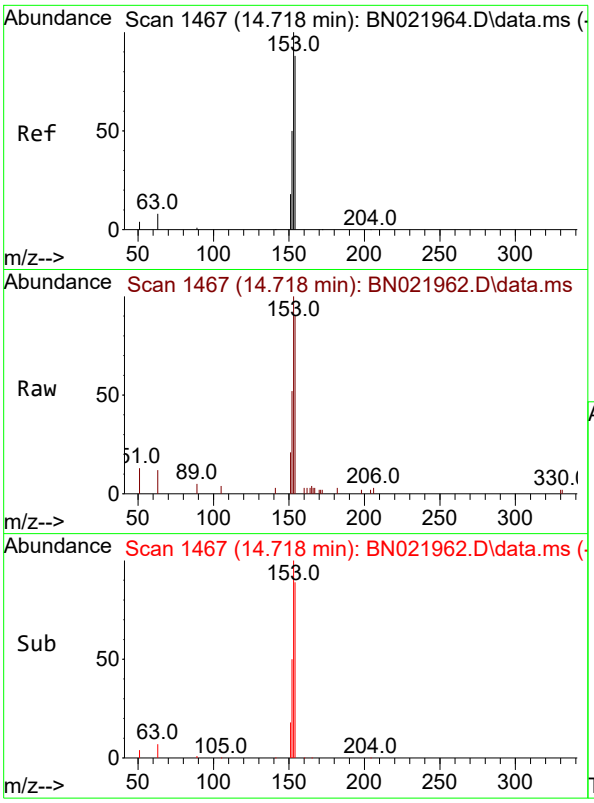


#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.376 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:152 Resp: 3189

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	13.2	10.6	15.8



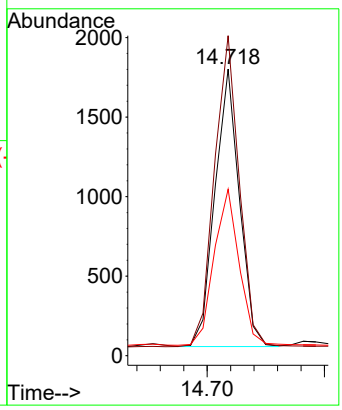


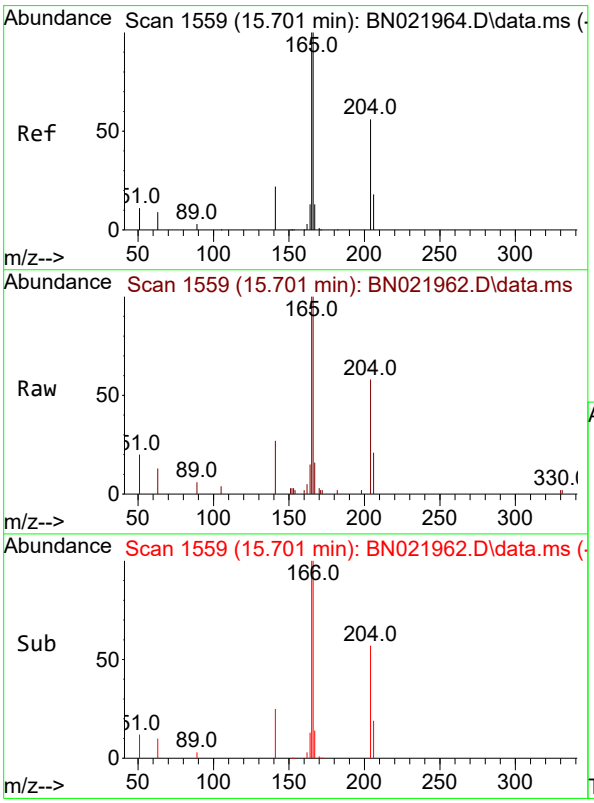
#17
Acenaphthene
Concen: 0.092 ng
RT: 14.718 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 2524

Ion	Ratio	Lower	Upper
154	100		
153	114.8	91.5	137.3
152	58.2	45.9	68.9

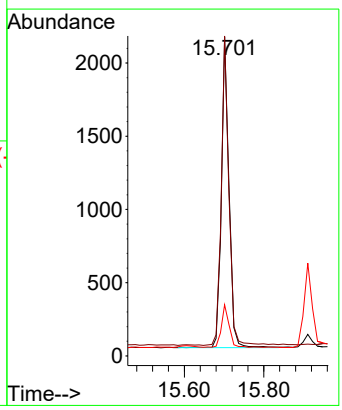


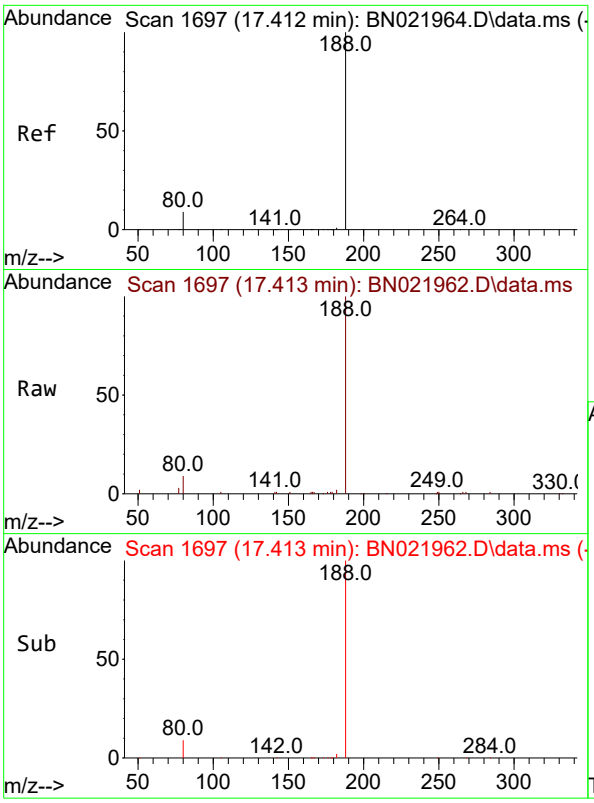


#18
Fluorene
Concen: 0.086 ng
RT: 15.701 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:166 Resp: 2932

Ion	Ratio	Lower	Upper
166	100		
165	102.0	78.9	118.3
167	14.5	10.3	15.5



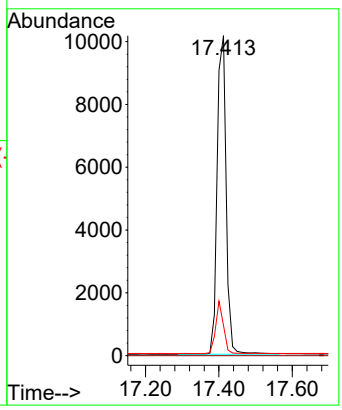


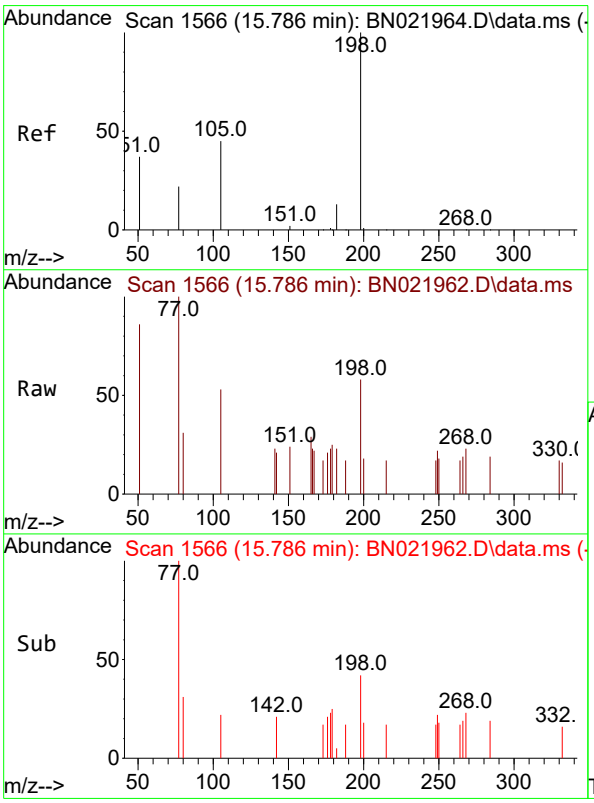
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.413 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 17370

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	9.4	14.2

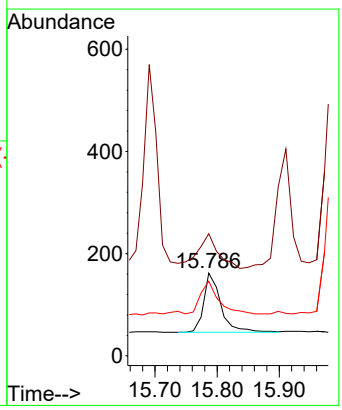


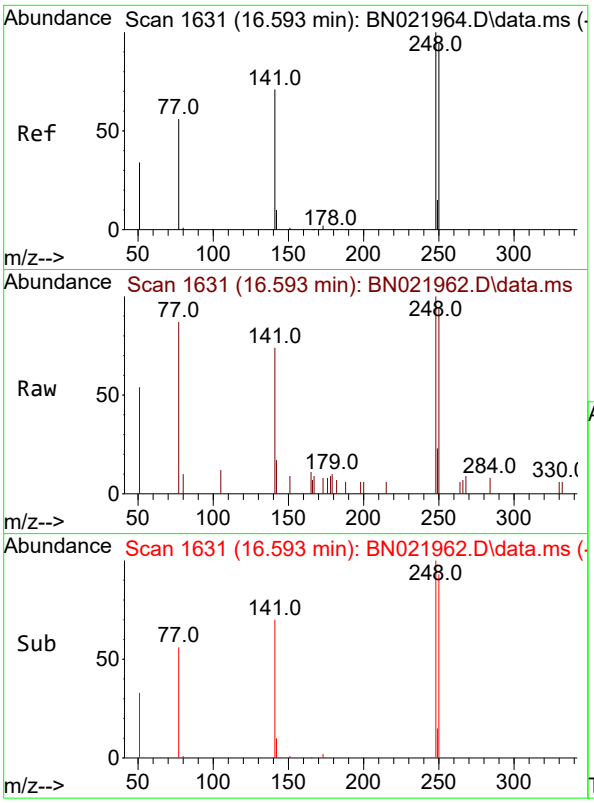


#20
4,6-Dinitro-2-methylphenol
Concen: 0.099 ng
RT: 15.786 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:198 Resp: 223

Ion	Ratio	Lower	Upper
198	100		
51	147.5	235.8	353.6#
105	90.1	61.2	91.8



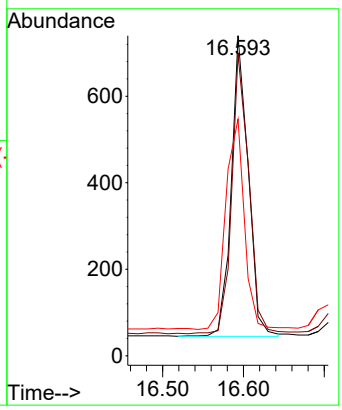


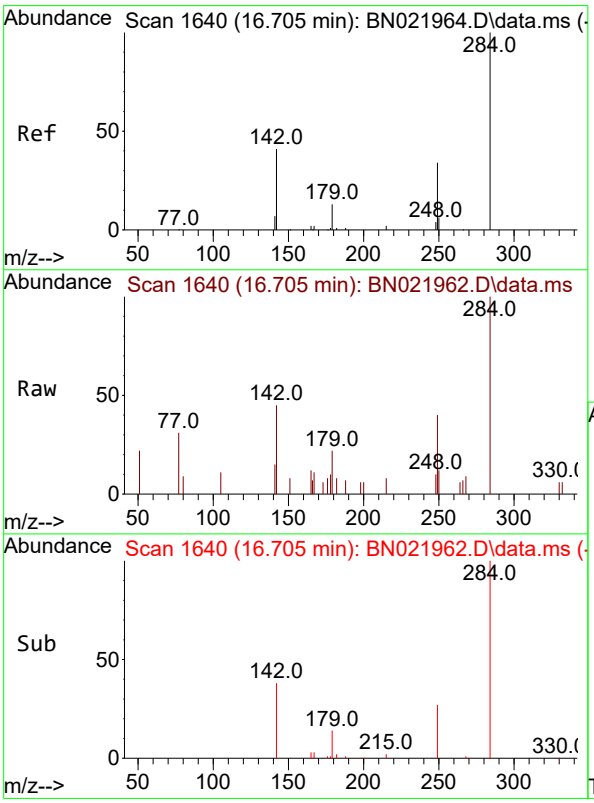
#21
4-Bromophenyl-phenylether
Concen: 0.093 ng
RT: 16.593 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 1014

Ion	Ratio	Lower	Upper
248	100		
250	94.2	72.9	109.3
141	73.9	79.0	118.6#

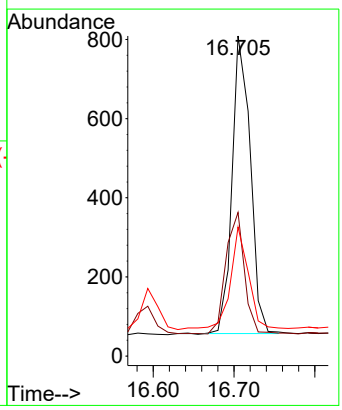


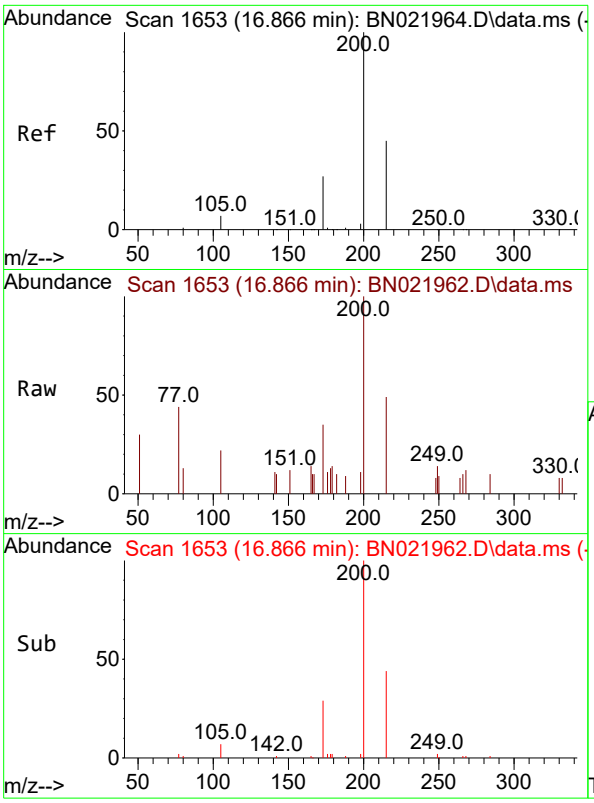


#22
Hexachlorobenzene
Concen: 0.092 ng
RT: 16.705 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:284 Resp: 1173

Ion	Ratio	Lower	Upper
284	100		
142	41.1	32.6	49.0
249	34.7	25.6	38.4



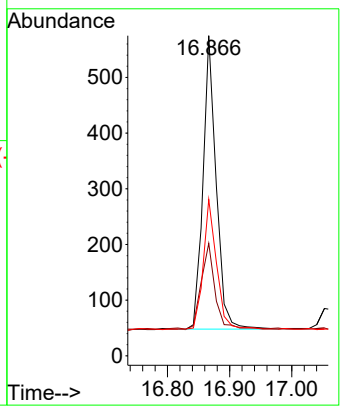


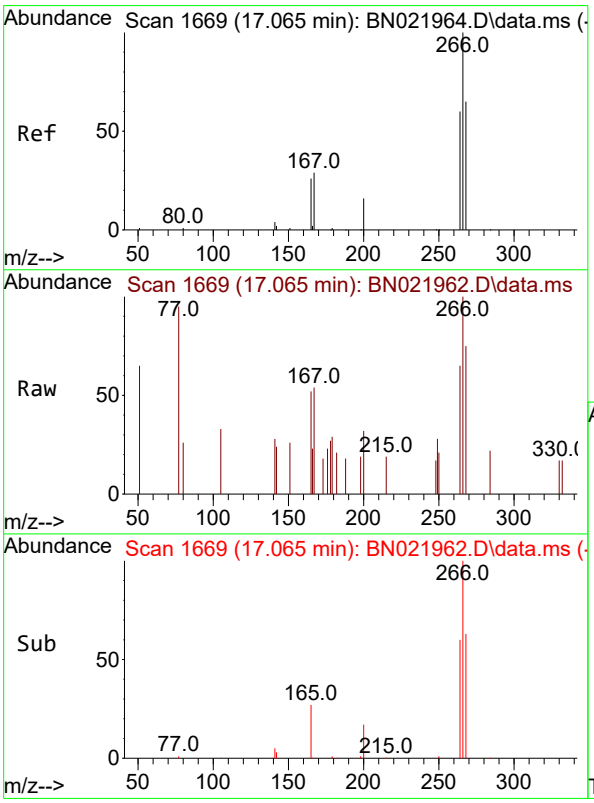
#23
Atrazine
Concen: 0.086 ng
RT: 16.866 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 777

Ion	Ratio	Lower	Upper
200	100		
173	35.1	27.0	40.6
215	48.9	36.8	55.2

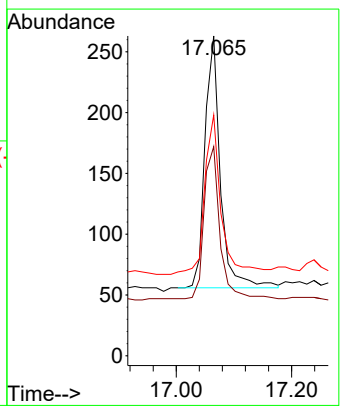


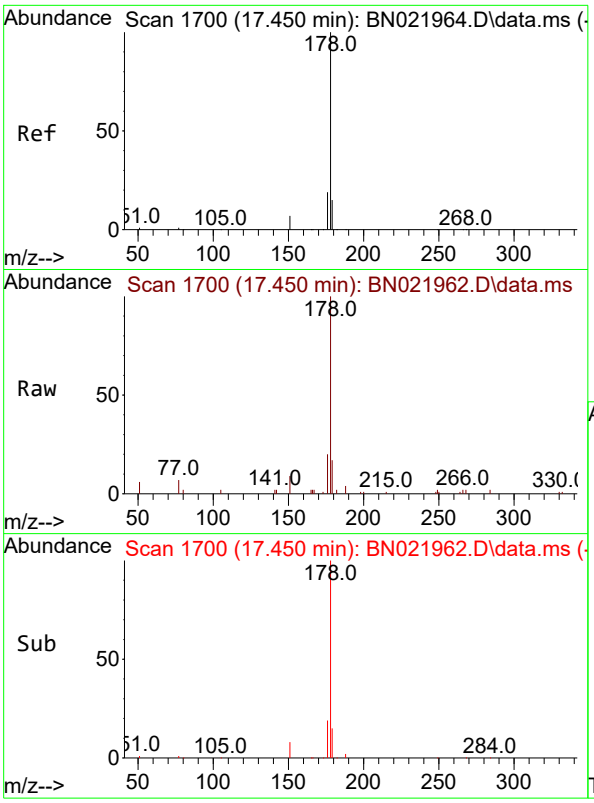


#24
Pentachlorophenol
Concen: 0.087 ng
RT: 17.065 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:266 Resp: 384

Ion	Ratio	Lower	Upper
266	100		
264	61.5	49.1	73.7
268	66.9	48.5	72.7



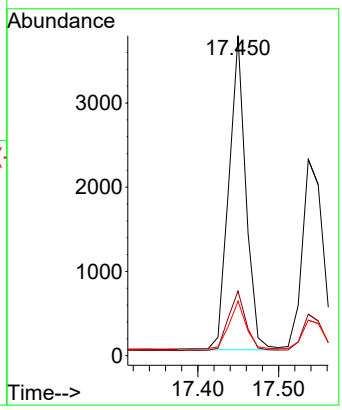


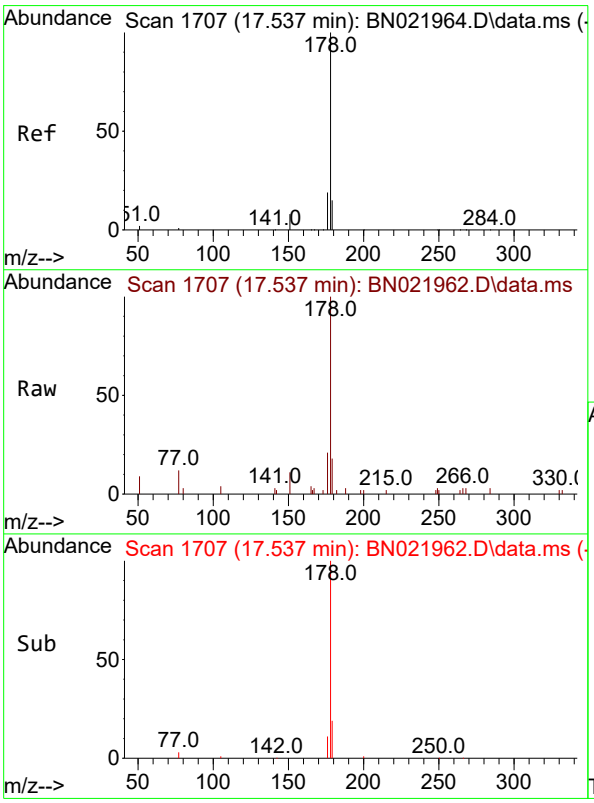
#25
Phenanthrene
Concen: 0.092 ng
RT: 17.450 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 5456

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.6	12.2	18.4

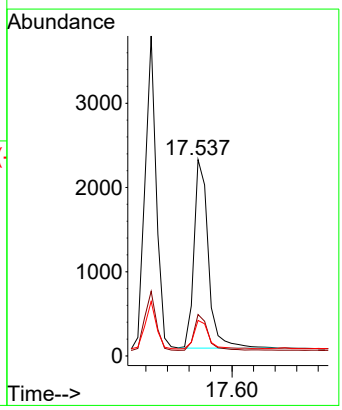


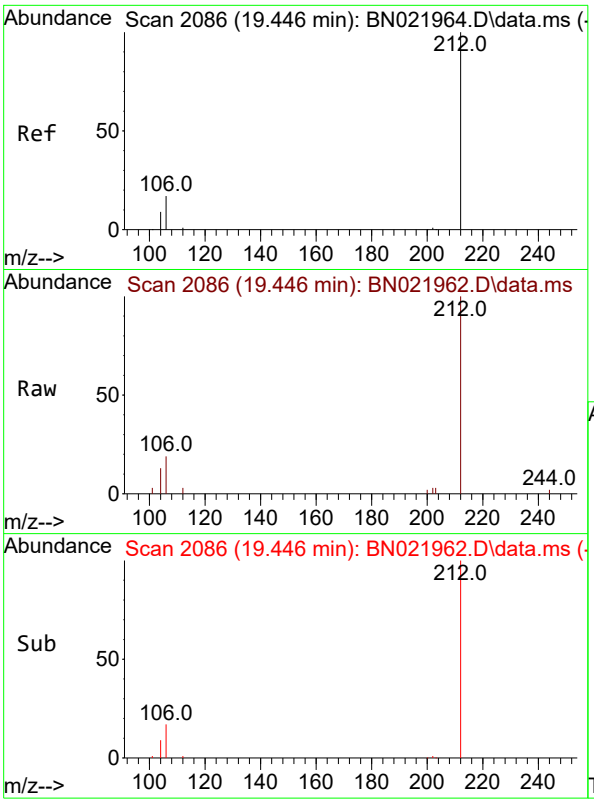


#26
Anthracene
Concen: 0.086 ng
RT: 17.537 min Scan# 1707
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:178 Resp: 4162

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.6	12.2	18.4



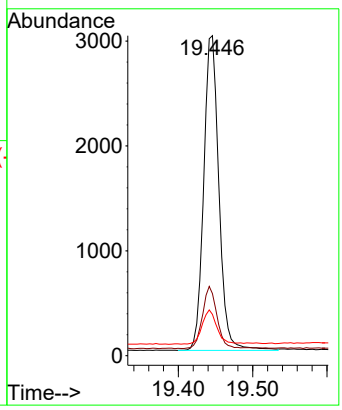


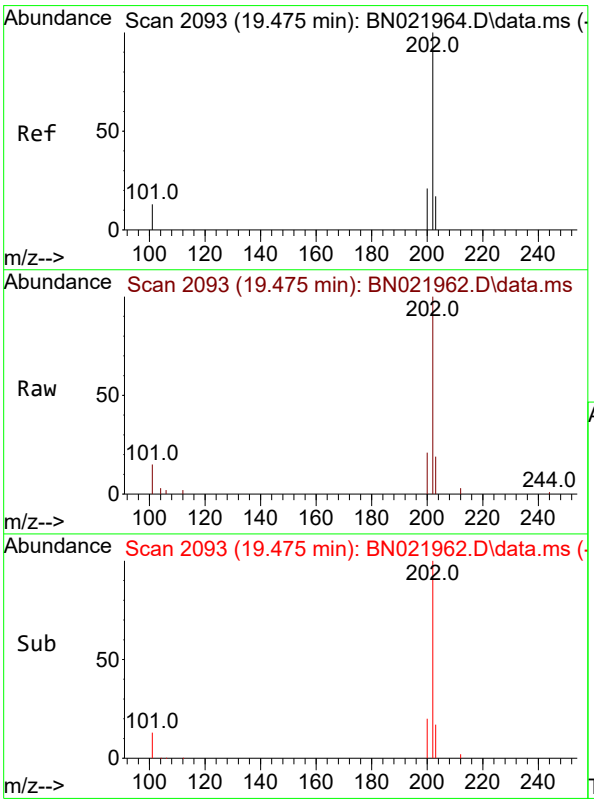
#27
Fluoranthene-d10
Concen: 0.091 ng
RT: 19.446 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 4264

Ion	Ratio	Lower	Upper
212	100		
106	18.6	14.8	22.2
104	10.5	8.4	12.6

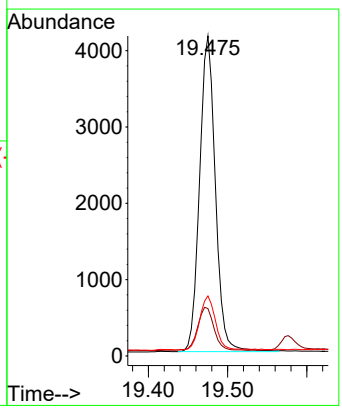


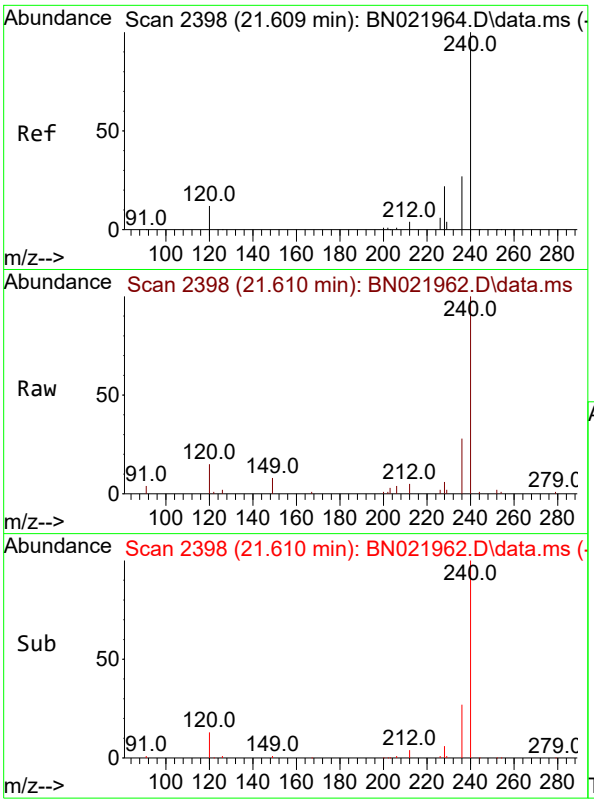


#28
Fluoranthene
Concen: 0.090 ng
RT: 19.475 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:202 Resp: 5738

Ion	Ratio	Lower	Upper
202	100		
101	14.4	11.2	16.8
203	17.1	13.5	20.3



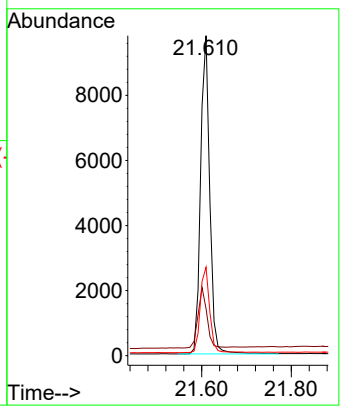


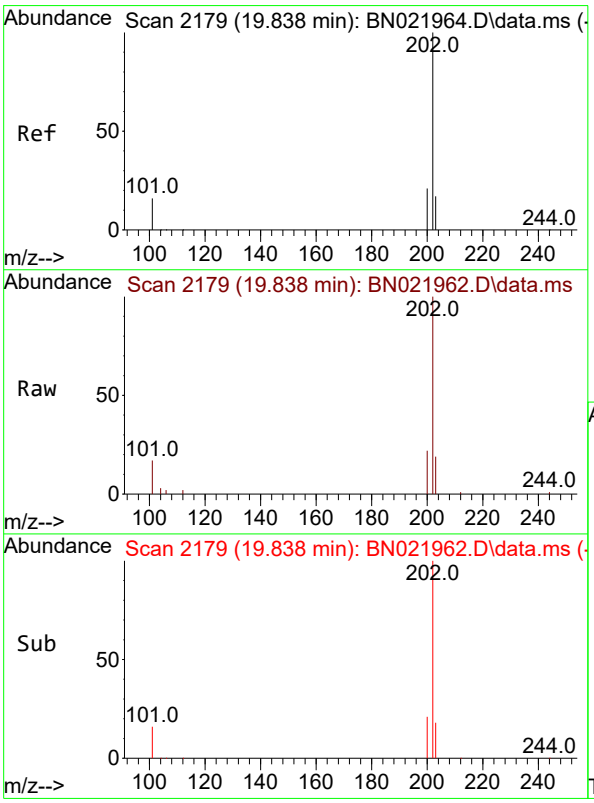
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.610 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 13885

Ion	Ratio	Lower	Upper
240	100		
120	14.7	12.2	18.2
236	27.6	22.6	34.0

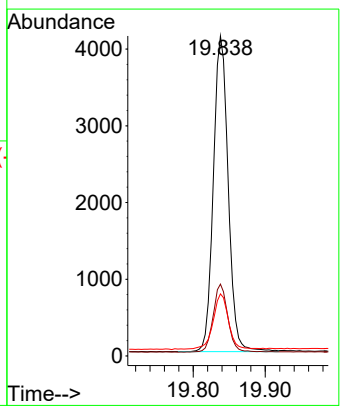


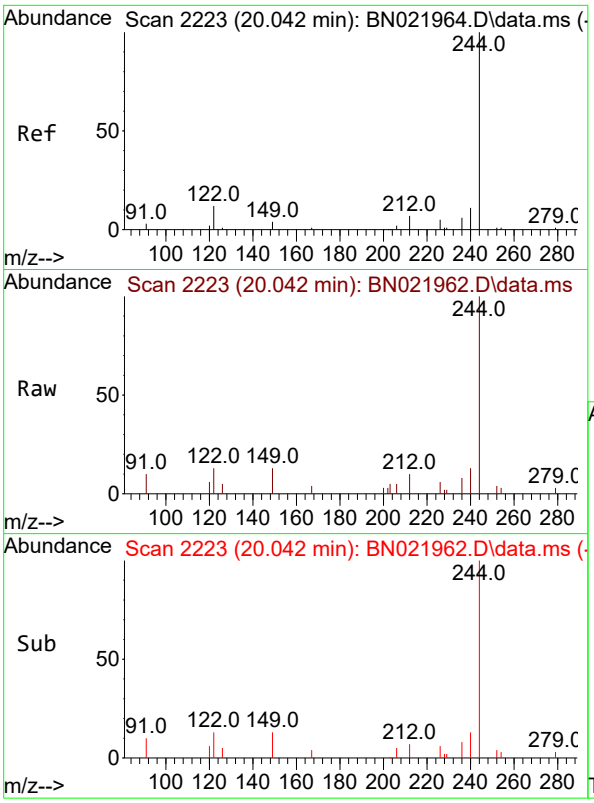


#30
Pyrene
Concen: 0.092 ng
RT: 19.838 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:202 Resp: 5884

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.1	24.1
203	17.9	13.8	20.6



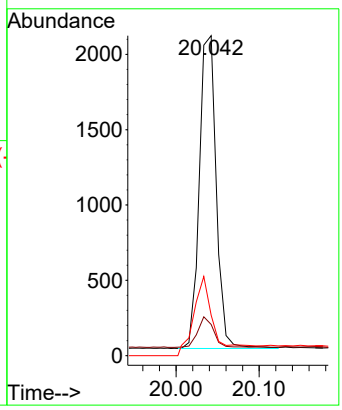


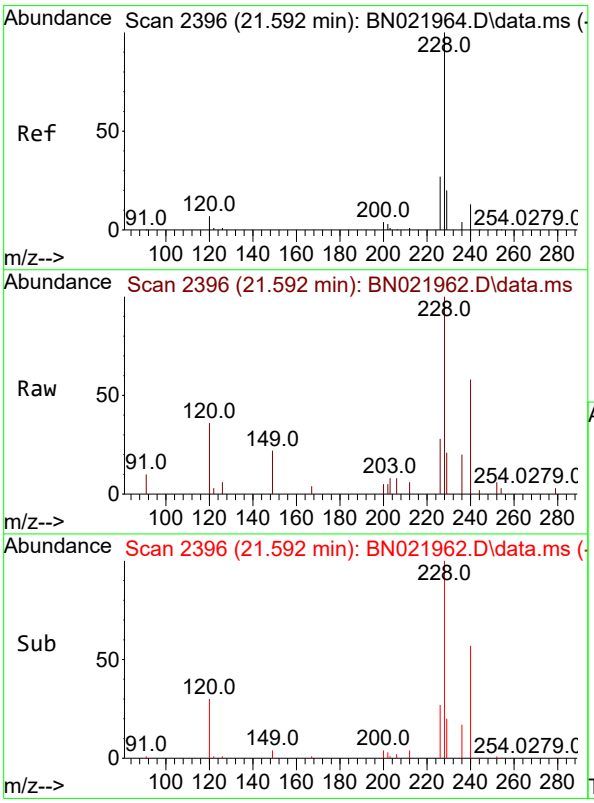
#31
Terphenyl-d14
Concen: 0.092 ng
RT: 20.042 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 2824

Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.9	11.9
122	12.6	15.3	22.9#

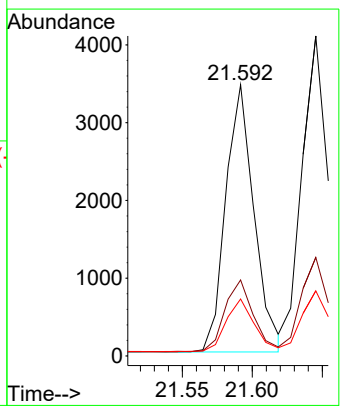


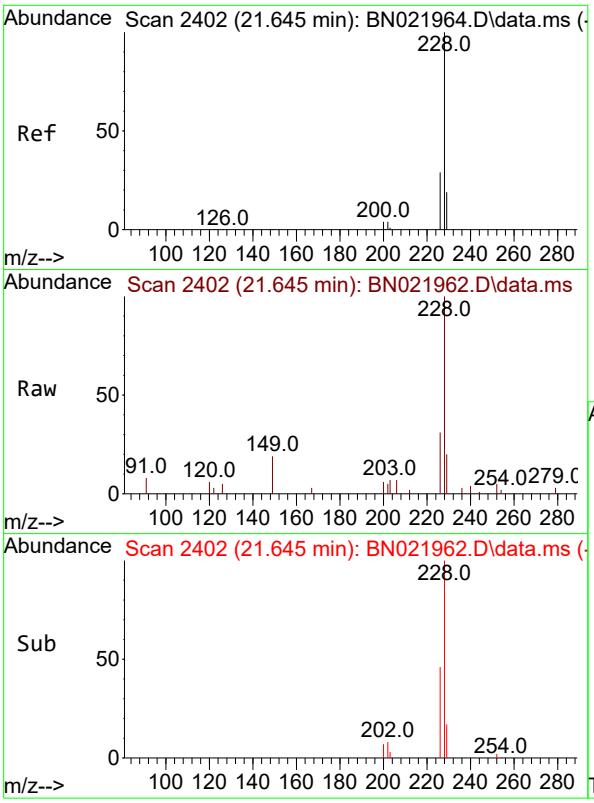


#32
Benzo(a)anthracene
Concen: 0.090 ng
RT: 21.592 min Scan# 2396
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:228 Resp: 4849

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	21.0	15.8	23.8



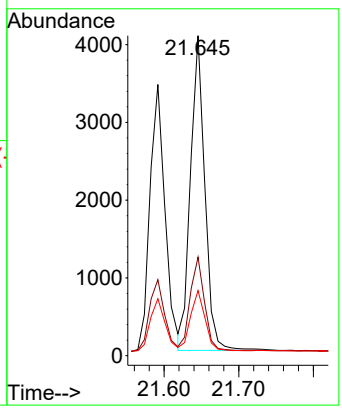


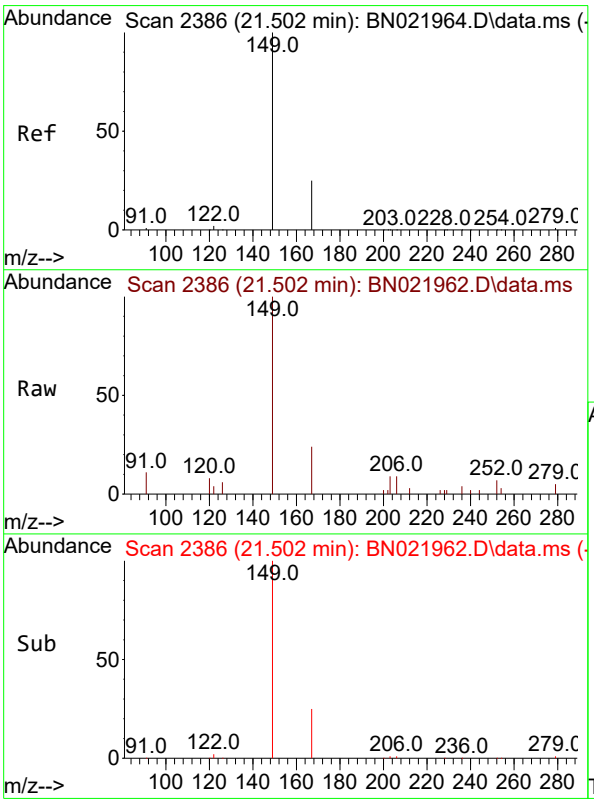
#33
Chrysene
Concen: 0.096 ng
RT: 21.645 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 5422

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	20.3	15.8	23.8

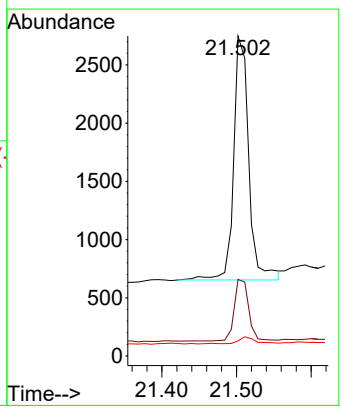


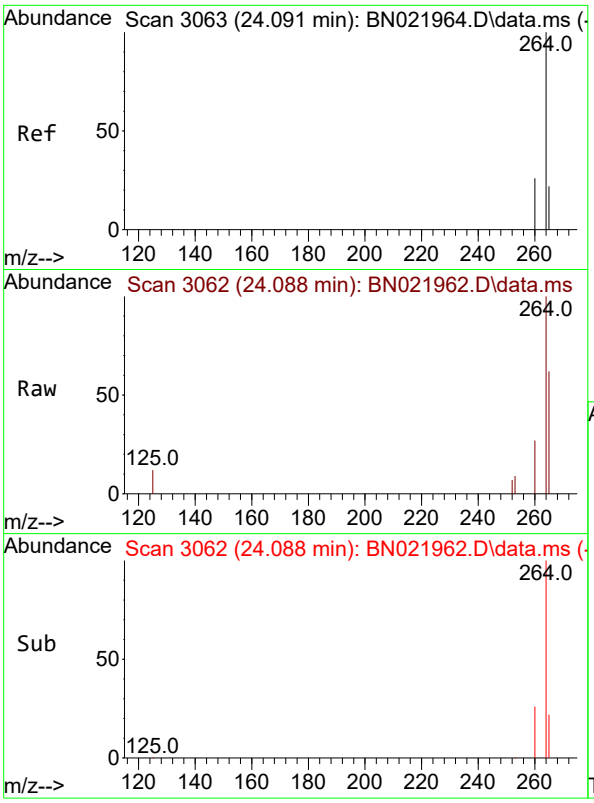


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.091 ng
RT: 21.502 min Scan# 2386
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:149 Resp: 2946

Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.6	30.8
279	2.9	2.0	3.0



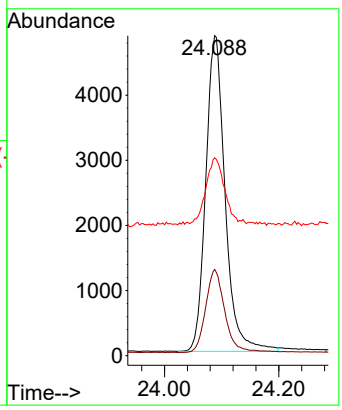


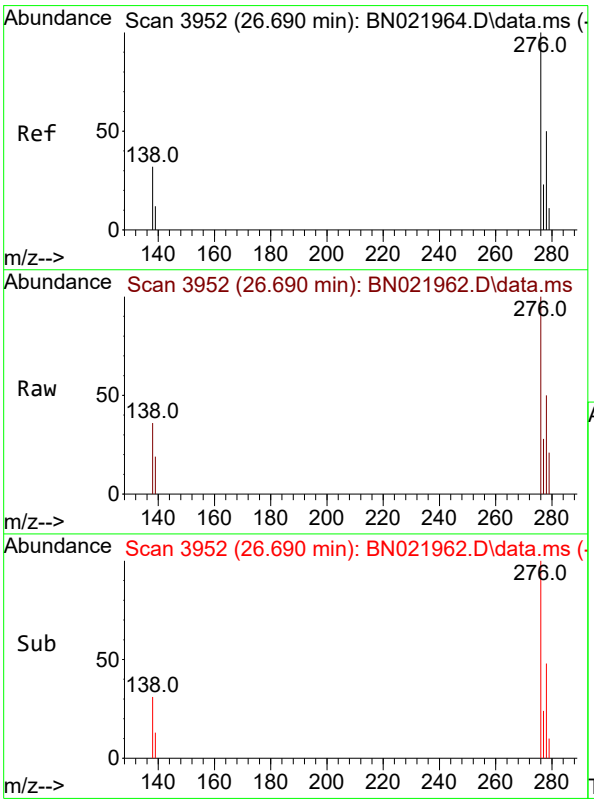
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.088 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 11374

Ion	Ratio	Lower	Upper
264	100		
260	26.9	21.0	31.4
265	61.9	67.8	101.8#

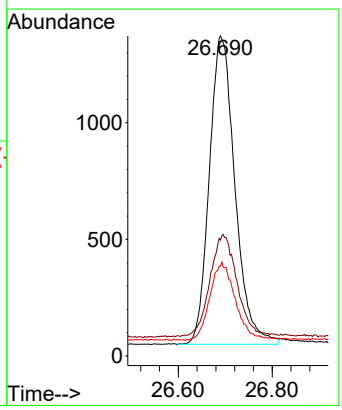


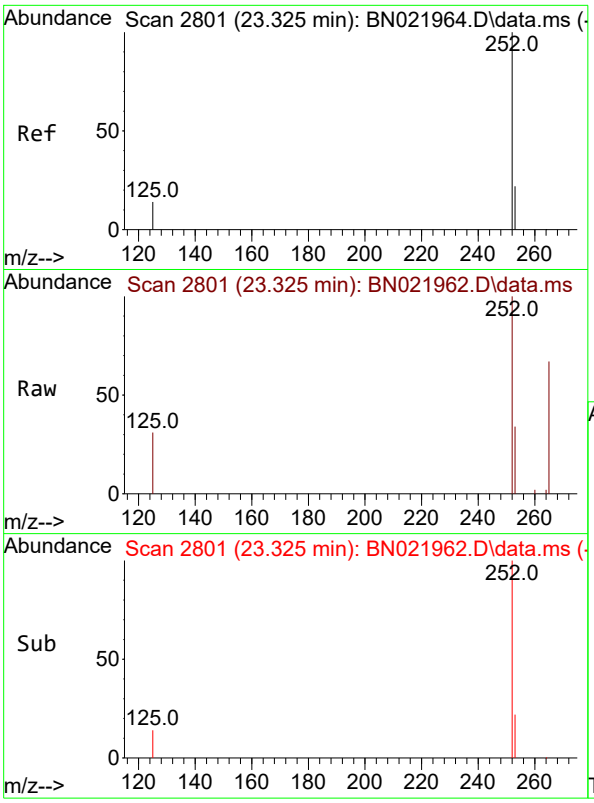


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.083 ng
RT: 26.690 min Scan# 3952
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:276 Resp: 5016

Ion	Ratio	Lower	Upper
276	100		
138	34.7	27.3	40.9
277	24.9	19.8	29.6



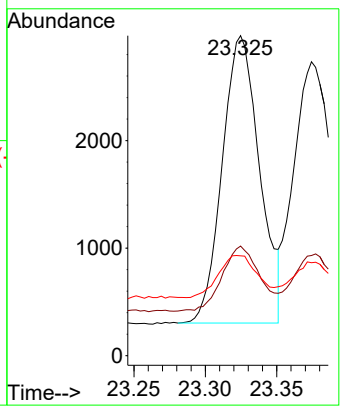


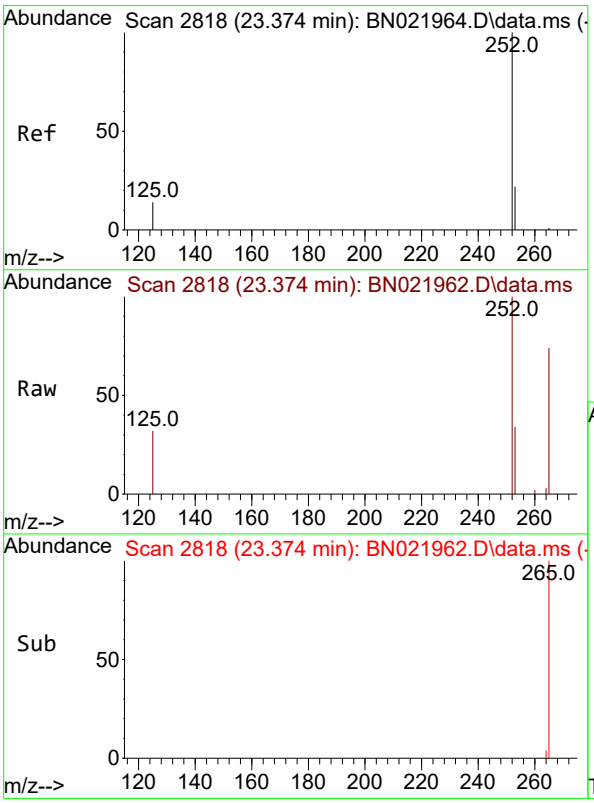
#37
Benzo(b)fluoranthene
Concen: 0.092 ng
RT: 23.325 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 4864

Ion	Ratio	Lower	Upper
252	100		
253	34.3	21.4	32.0#
125	31.2	16.2	24.4#

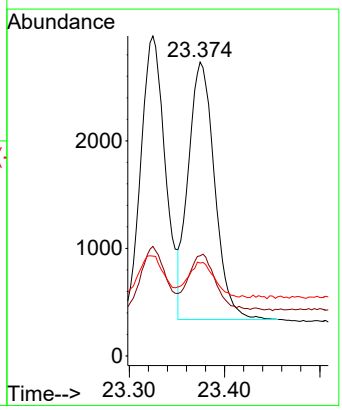


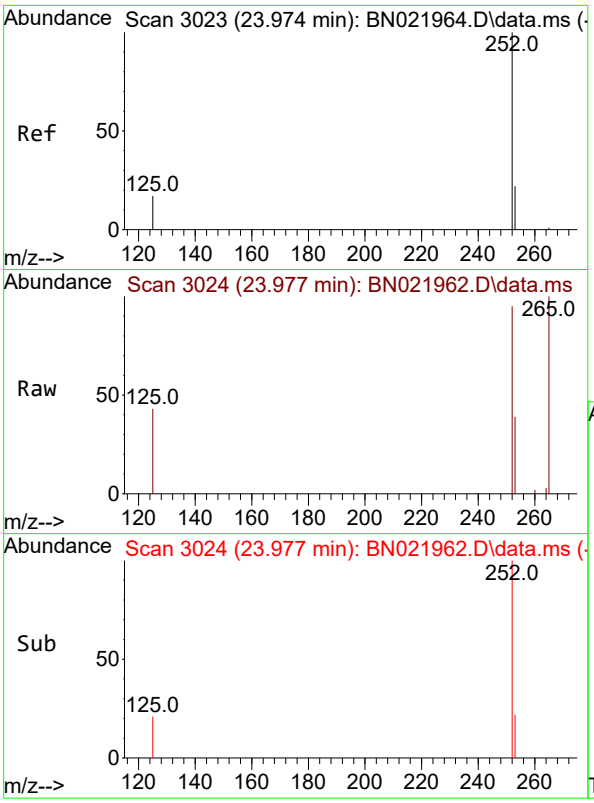


#38
Benzo(k)fluoranthene
Concen: 0.089 ng
RT: 23.374 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:252 Resp: 4612

Ion	Ratio	Lower	Upper
252	100		
253	34.1	21.8	32.6#
125	31.6	15.8	23.8#



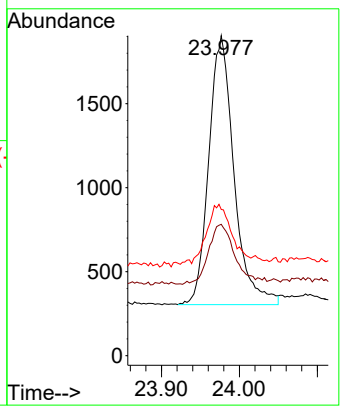


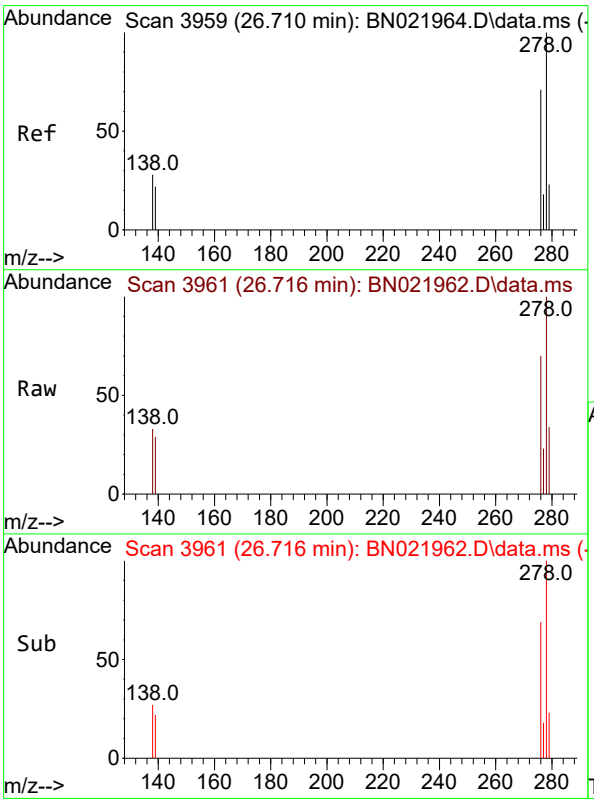
#39
Benzo(a)pyrene
Concen: 0.089 ng
RT: 23.977 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3596

Ion	Ratio	Lower	Upper
252	100		
253	41.0	23.9	35.9#
125	45.7	20.9	31.3#

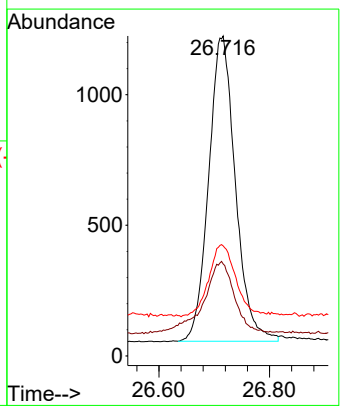


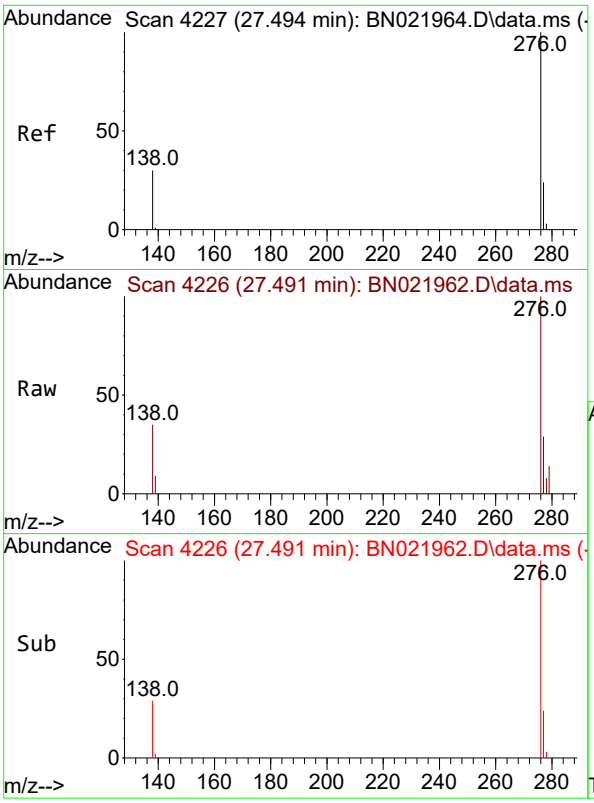


#40
Dibenzo(a,h)anthracene
Concen: 0.082 ng
RT: 26.716 min Scan# 3961
Delta R.T. 0.006 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Tgt Ion:278 Resp: 3920

Ion	Ratio	Lower	Upper
278	100		
139	28.7	20.1	30.1
279	34.4	21.8	32.8#





#41
Benzo(g,h,i)perylene
Concen: 0.082 ng
RT: 27.491 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN021962.D
Acq: 30 Sep 2022 11:39

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 4279

Ion	Ratio	Lower	Upper
276	100		
277	28.6	20.0	30.0
138	35.3	24.6	37.0