Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022475.D
Acq On : 03 Nov 2022 12:49
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 04 03:10:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 03:06:33 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	2593	0.400	ng		0.00
7) Naphthalene-d8	10.752	136	8234	0.400	ng		0.00
13) Acenaphthene-d10	14.600	164	5128	0.400	ng		0.00
19) Phenanthrene-d10	17.362	188	11320	0.400	ng	#	0.01
29) Chrysene-d12	21.564	240	8660	0.400	ng		0.00
35) Perylene-d12	24.011	264	10171	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.450	112	716	0.104	ng		0.00
5) Phenol-d6	7.090	99	826	0.095	ng		0.00
8) Nitrobenzene-d5	9.108	82	772	0.108	ng		0.00
11) 2-Methylnaphthalene-d10	12.353	152	1328	0.103	ng		0.00
14) 2,4,6-Tribromophenol	16.109	330	252	0.114	ng		0.01
15) 2-Fluorobiphenyl	13.221	172	2148	0.098	ng		0.00
27) Fluoranthene-d10	19.399	212	3178	0.102	ng		0.00
31) Terphenyl-d14	19.993	244	2785	0.123	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.269	88	347	0.096	ng		93
3) n-Nitrosodimethylamine	3.623	42	322	0.083	ng		87
6) bis(2-Chloroethyl)ether	7.350	93	834	0.100	ng		97
9) Naphthalene	10.805	128	2550	0.104	ng	#	92
10) Hexachlorobutadiene	11.083	225	436	0.104	ng	#	98
12) 2-Methylnaphthalene	12.081	142	488	0.100	ng	#	28
16) Acenaphthylene	14.322	152	2443	0.098	ng		99
17) Acenaphthene	14.664	154	1677	0.099	ng		99
18) Fluorene	15.647	166	2384	0.101	ng		99
20) 4,6-Dinitro-2-methylph...	15.761	198	106	0.059	ng	#	1
21) 4-Bromophenyl-phenylether	16.543	248	690	0.101	ng	#	92
22) Hexachlorobenzene	16.655	284	780	0.100	ng		95
23) Atrazine	16.816	200	613	0.107	ng	#	86
24) Pentachlorophenol	17.015	266	211	0.065	ng		95
25) Phenanthrene	17.400	178	3758	0.097	ng		99
26) Anthracene	17.499	178	3163	0.097	ng		99
28) Fluoranthene	19.428	202	4214	0.100	ng		99
30) Pyrene	19.791	202	3800	0.095	ng		98
32) Benzo(a)anthracene	21.546	228	3416	0.100	ng		93
33) Chrysene	21.600	228	3425	0.096	ng		94
34) Bis(2-ethylhexyl)phtha...	21.457	149	3724	0.143	ng	#	99
36) Indeno(1,2,3-cd)pyrene	26.593	276	4826	0.096	ng		99
37) Benzo(b)fluoranthene	23.260	252	3971	0.085	ng	#	66
38) Benzo(k)fluoranthene	23.312	252	4166	0.090	ng	#	67
39) Benzo(a)pyrene	23.906	252	3467	0.092	ng	#	54
40) Dibenzo(a,h)anthracene	26.613	278	3852	0.098	ng	#	73
41) Benzo(g,h,i)perylene	27.388	276	4228	0.102	ng	#	88

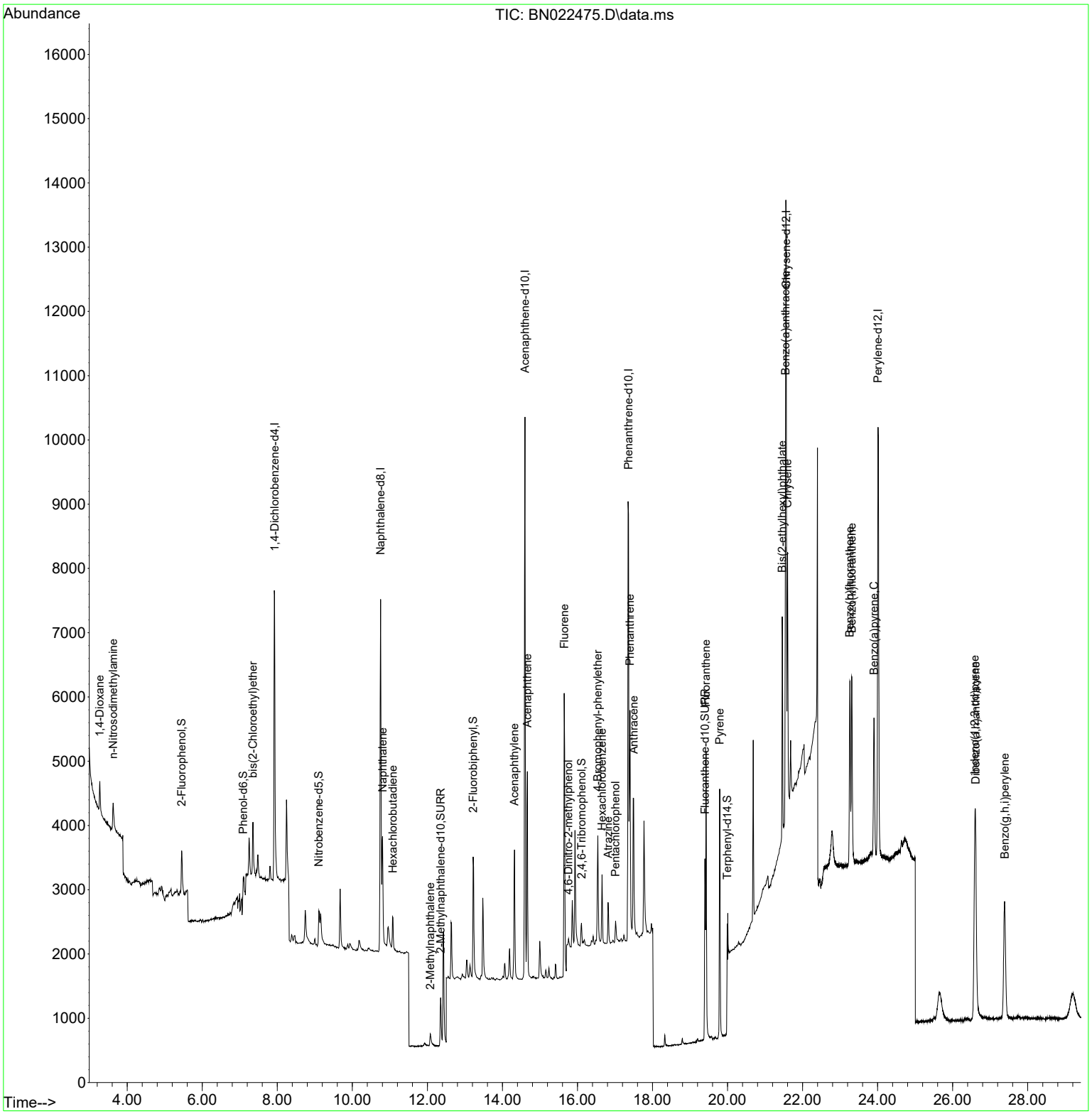
(#) = qualifier out of range (m) = manual integration (+) = signals summed

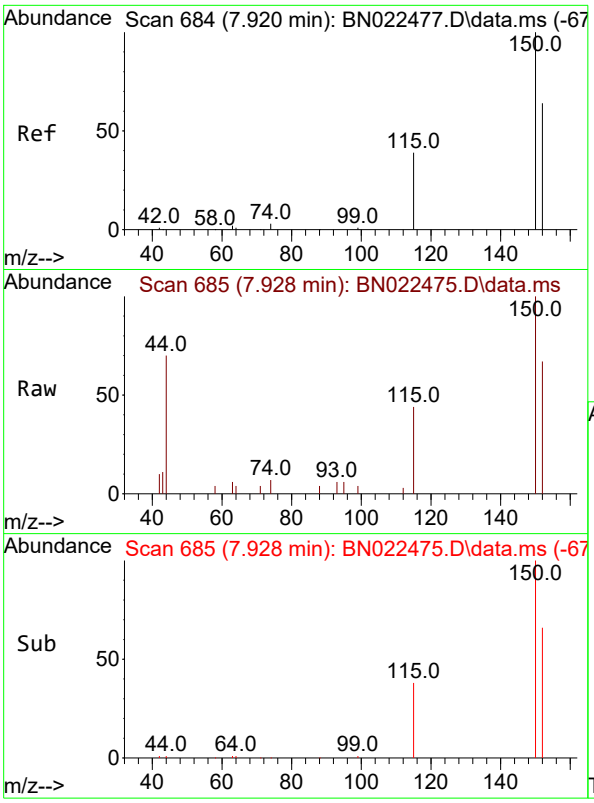
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110322\
Data File : BN022475.D
Acq On : 03 Nov 2022 12:49
Operator : CG/JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Quant Time: Nov 04 03:10:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 03:06:33 2022
Response via : Initial Calibration



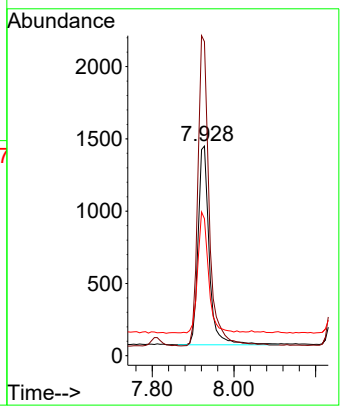


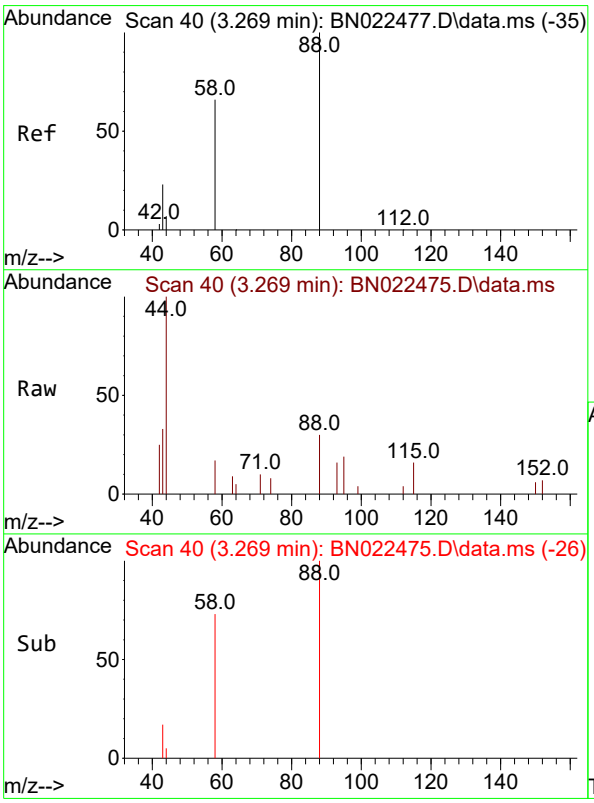
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.928 min Scan# 6
Delta R.T. 0.008 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 2593

Ion	Ratio	Lower	Upper
152	100		
150	149.9	123.4	185.2
115	65.4	54.9	82.3

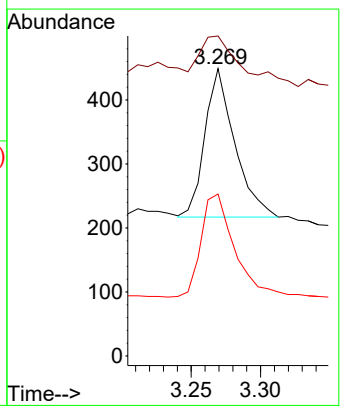


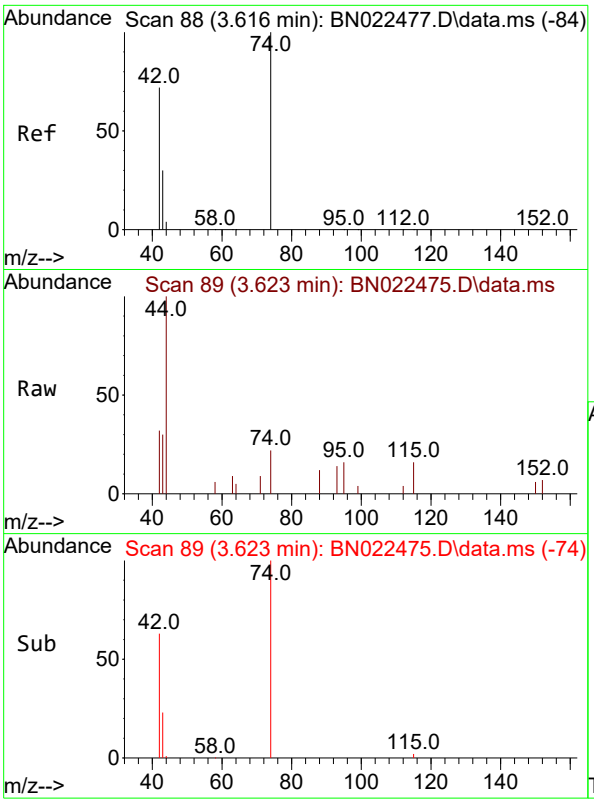


#2
1,4-Dioxane
Concen: 0.096 ng
RT: 3.269 min Scan# 40
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion: 88 Resp: 347

Ion	Ratio	Lower	Upper
88	100		
43	32.0	21.4	32.0
58	77.5	58.4	87.6



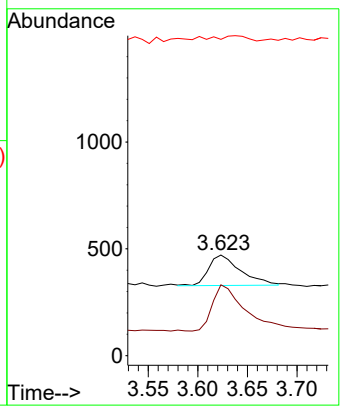


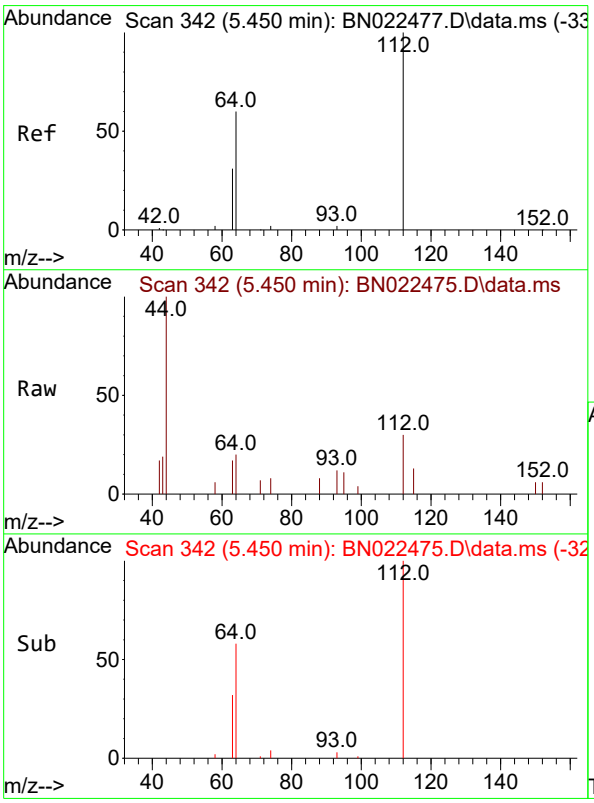
#3
n-Nitrosodimethylamine
Concen: 0.083 ng
RT: 3.623 min Scan# 8
Delta R.T. 0.007 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 42 Resp: 322

Ion	Ratio	Lower	Upper
42	100		
74	155.3	110.6	165.8
44	12.1	8.6	13.0

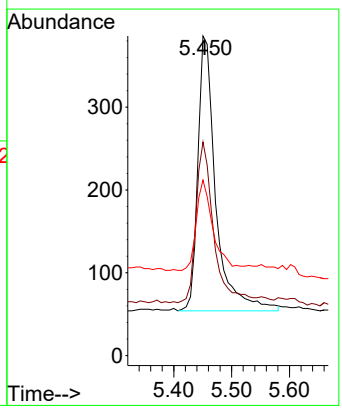


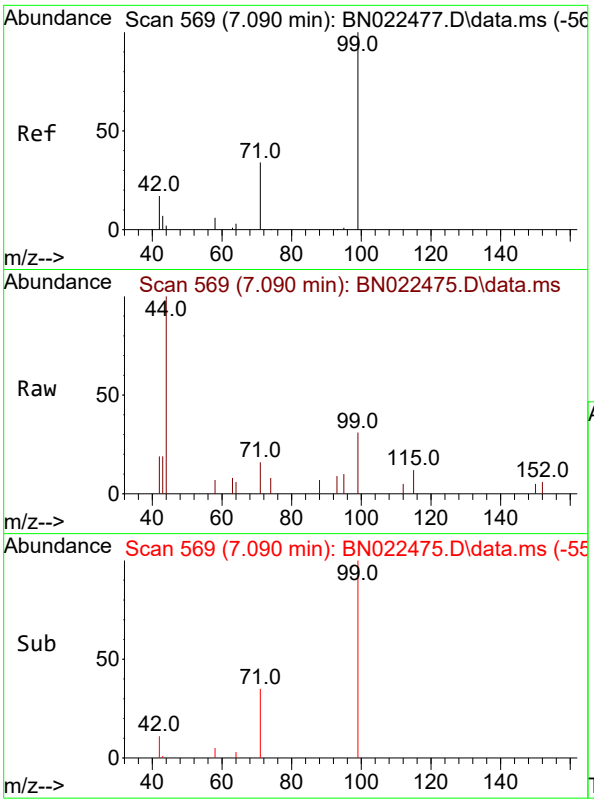


#4
2-Fluorophenol
Concen: 0.104 ng
RT: 5.450 min Scan# 342
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:112 Resp: 716

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.1	70.7
63	30.9	24.6	36.8



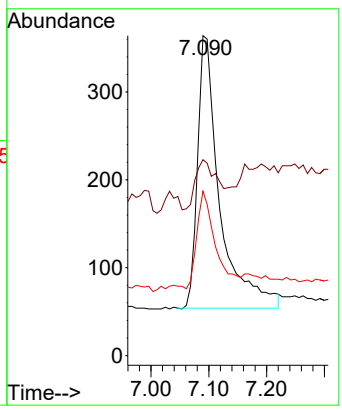


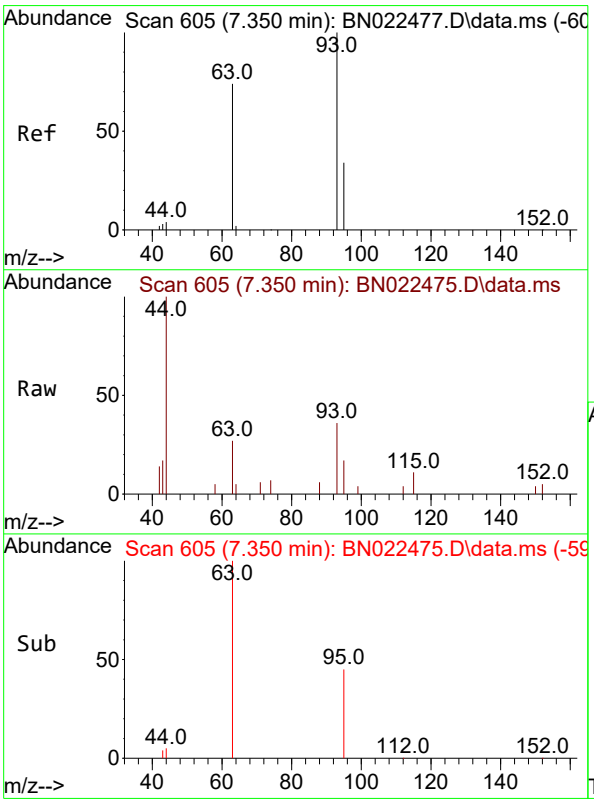
#5
Phenol-d6
Concen: 0.095 ng
RT: 7.090 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion: 99 Resp: 826

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.7	22.1
71	30.3	27.0	40.6

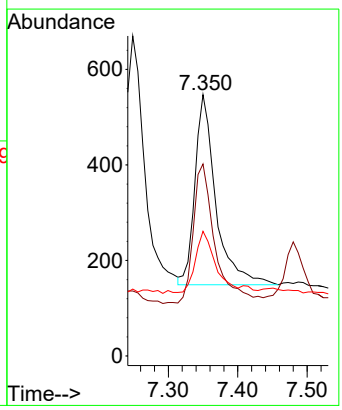


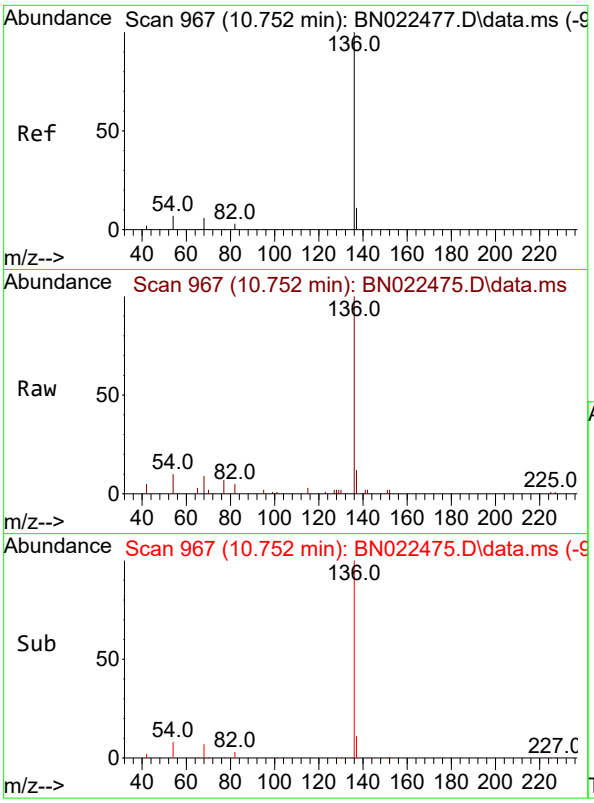


#6
bis(2-Chloroethyl)ether
Concen: 0.100 ng
RT: 7.350 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion: 93 Resp: 834

Ion	Ratio	Lower	Upper
93	100		
63	74.7	61.2	91.8
95	30.1	25.7	38.5



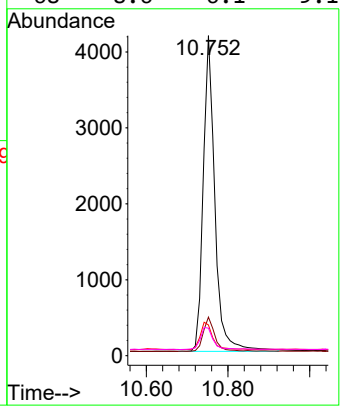


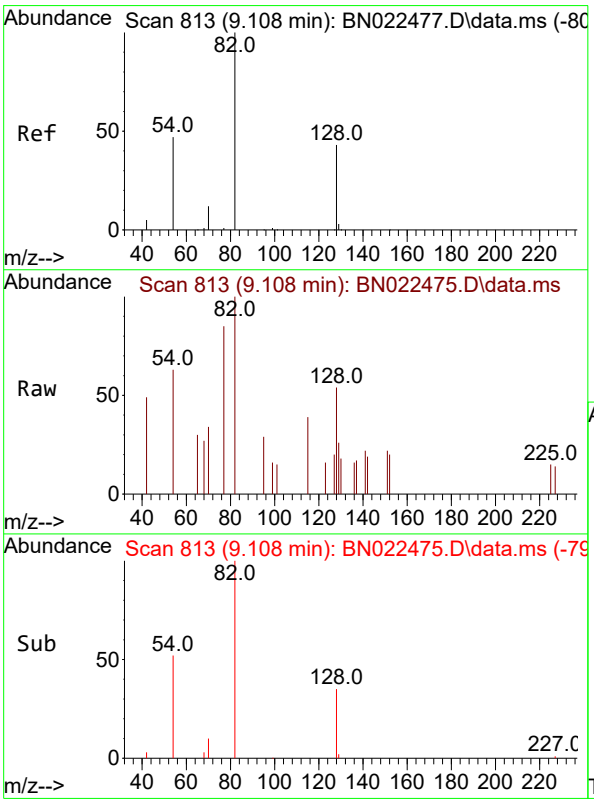
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.752 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:136 Resp: 8234

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	9.6	7.1	10.7
68	8.6	6.1	9.1

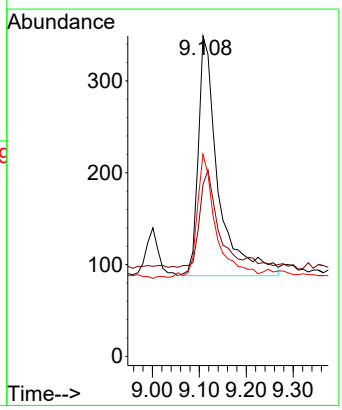


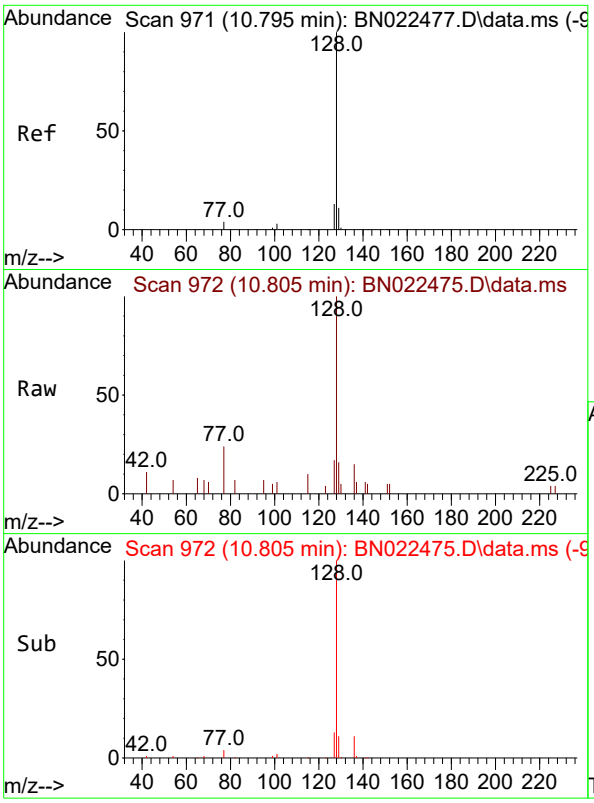


#8
Nitrobenzene-d5
Concen: 0.108 ng
RT: 9.108 min Scan# 813
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion: 82 Resp: 772

Ion	Ratio	Lower	Upper
82	100		
128	53.6	37.3	55.9
54	63.0	40.0	60.0#



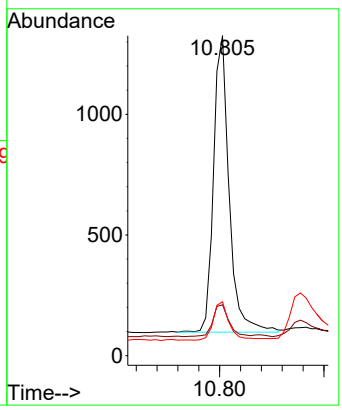


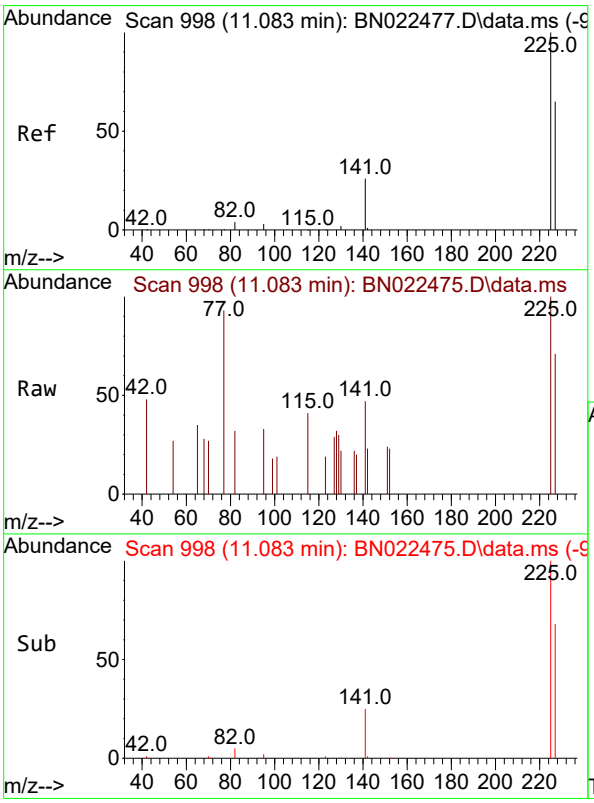
#9
Naphthalene
Concen: 0.104 ng
RT: 10.805 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:128 Resp: 2550

Ion	Ratio	Lower	Upper
128	100		
129	15.9	9.8	14.6#
127	16.8	11.4	17.2

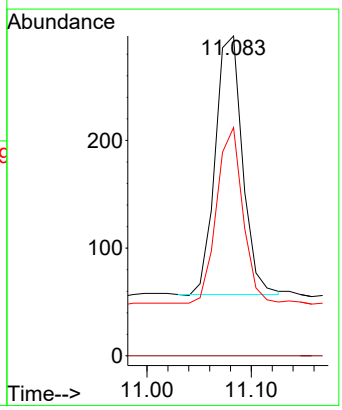


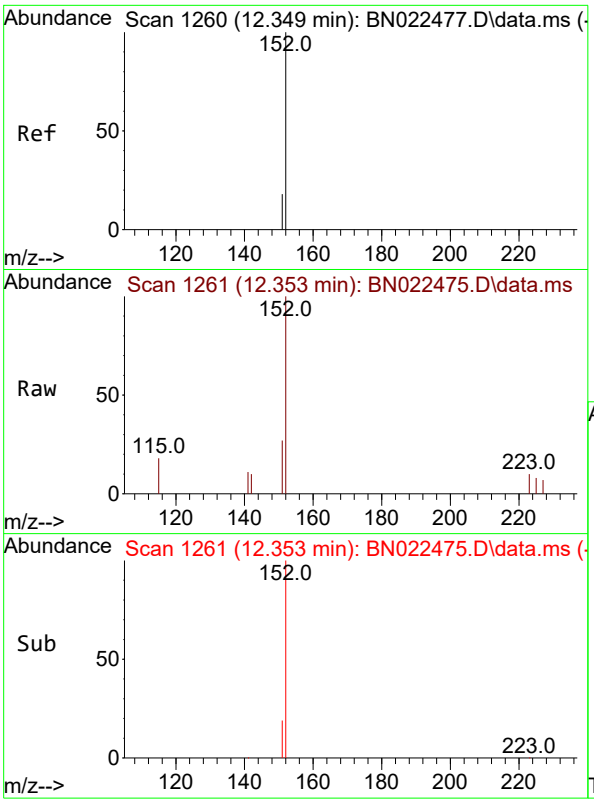


#10
Hexachlorobutadiene
Concen: 0.104 ng
RT: 11.083 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:225 Resp: 436

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.1	51.0	76.4



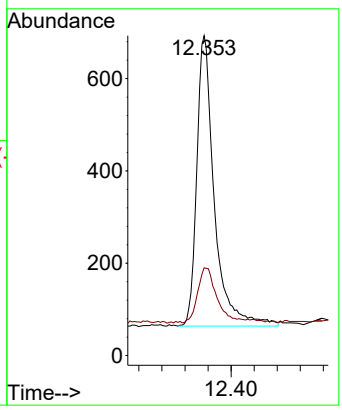


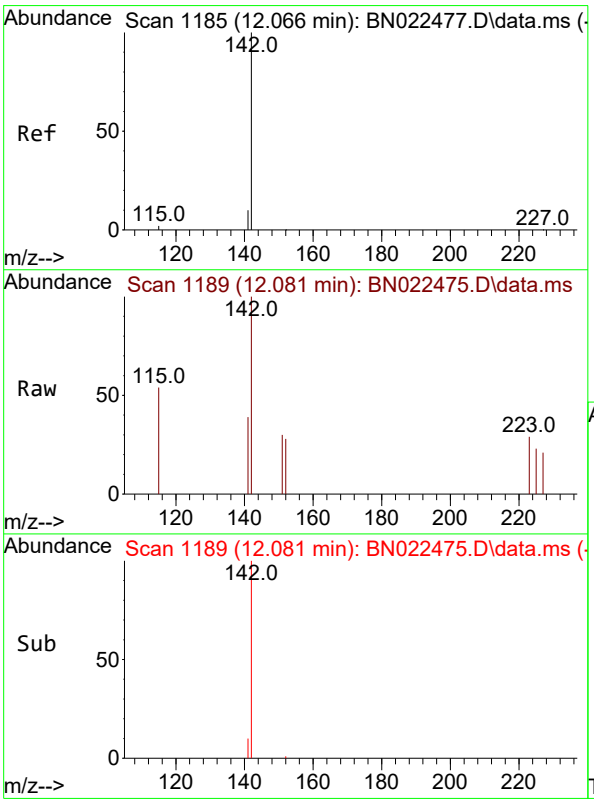
#11
2-Methylnaphthalene-d10
Concen: 0.103 ng
RT: 12.353 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1328

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0

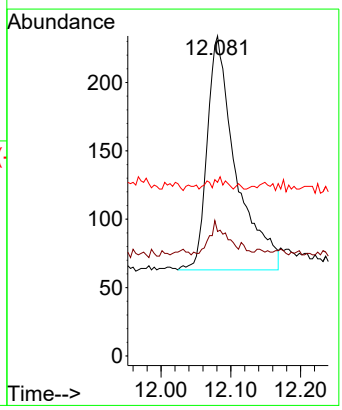


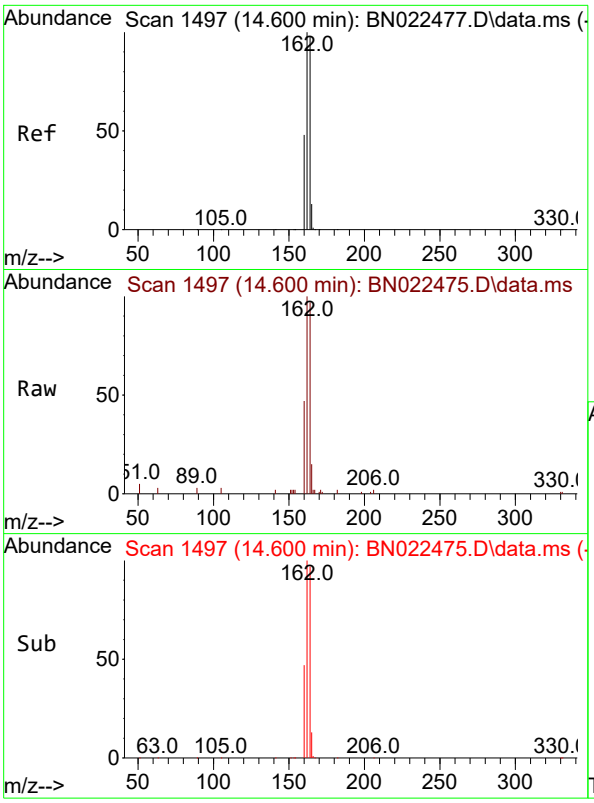


#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 12.081 min Scan# 1189
Delta R.T. 0.015 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:142 Resp: 488

Ion	Ratio	Lower	Upper
142	100		
141	38.9	13.7	20.5#
115	54.3	11.4	17.2#



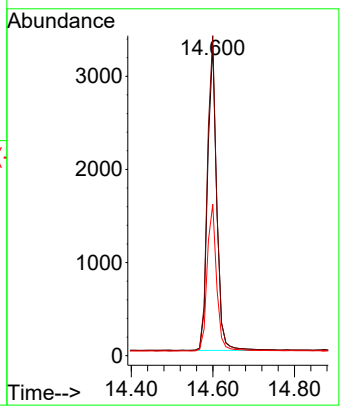


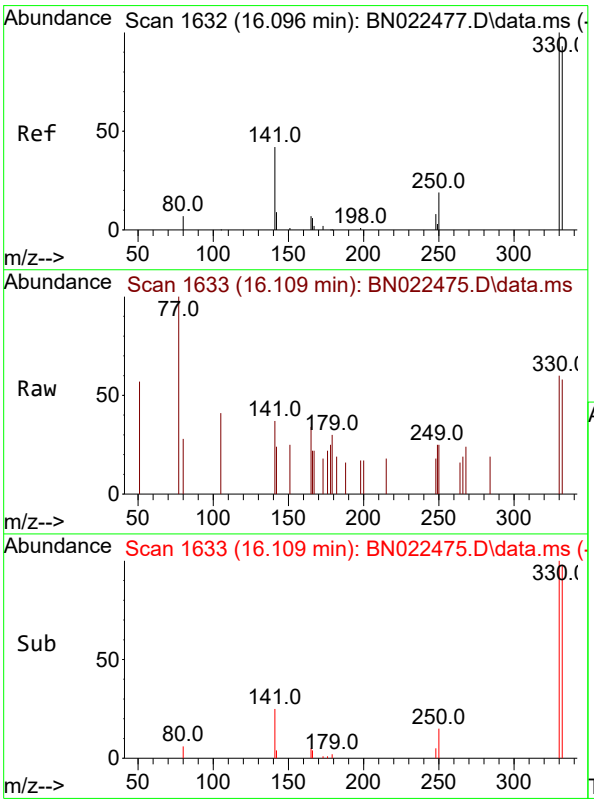
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.600 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:164 Resp: 5128

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.0	123.0
160	48.8	39.4	59.2

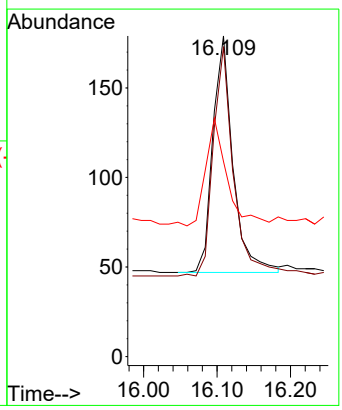


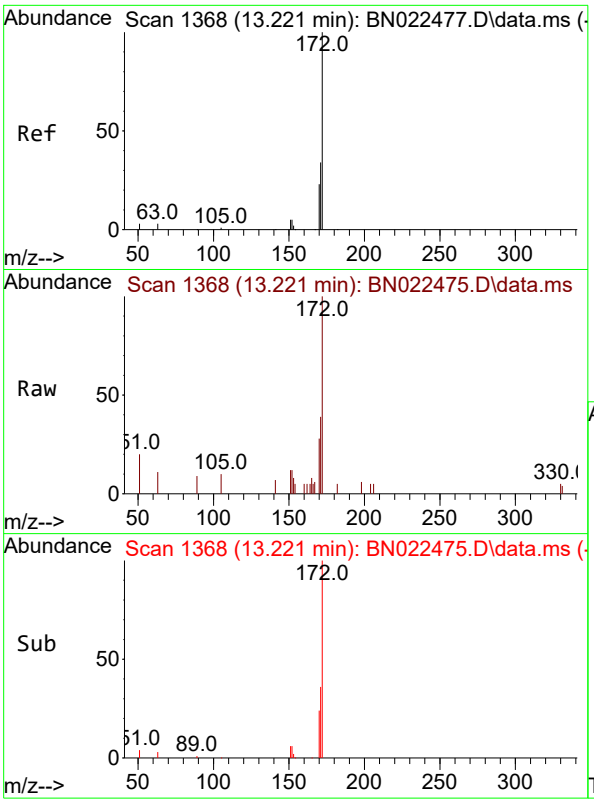


#14
2,4,6-Tribromophenol
Concen: 0.114 ng
RT: 16.109 min Scan# 1633
Delta R.T. 0.012 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:330 Resp: 252

Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.8	116.8
141	44.8	35.0	52.6



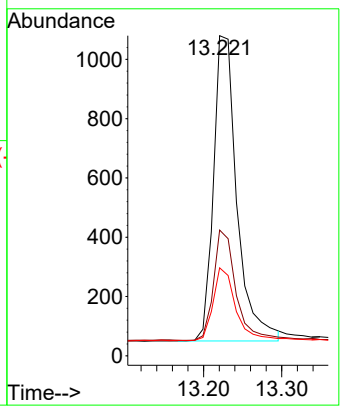


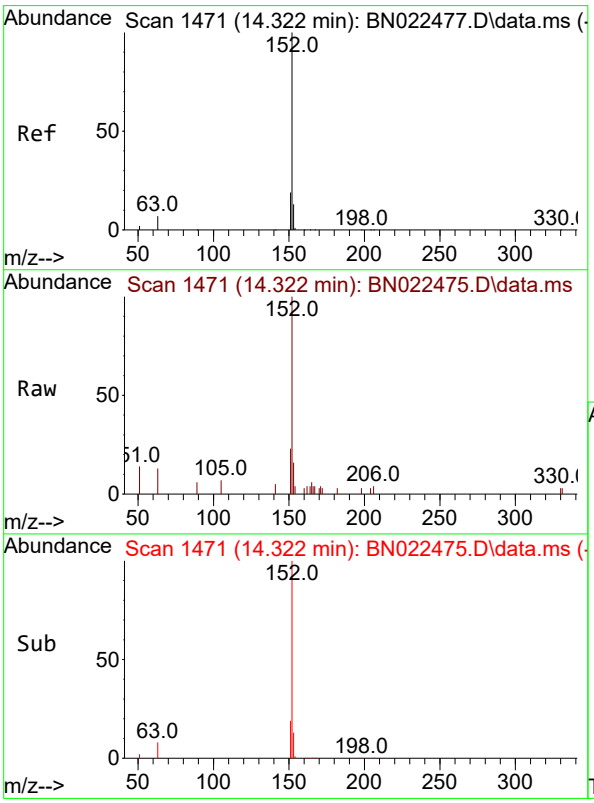
#15
2-Fluorobiphenyl
Concen: 0.098 ng
RT: 13.221 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:172 Resp: 2148

Ion	Ratio	Lower	Upper
172	100		
171	39.3	27.9	41.9
170	27.5	19.2	28.8

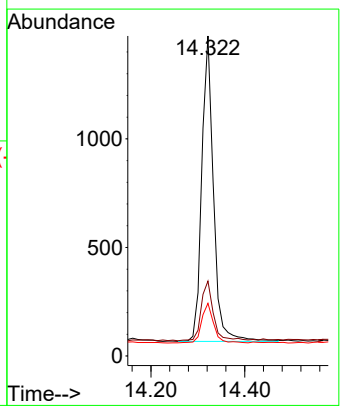


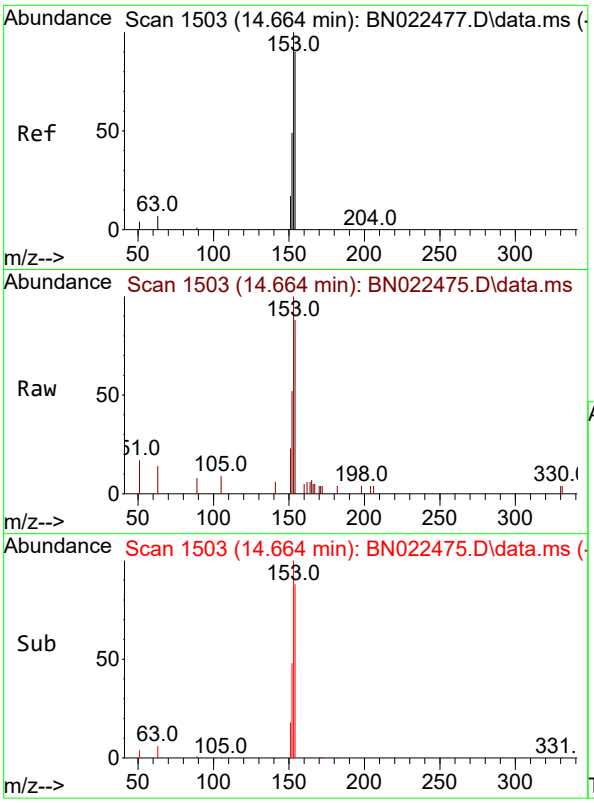


#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.322 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:152 Resp: 2443

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.3	10.3	15.5



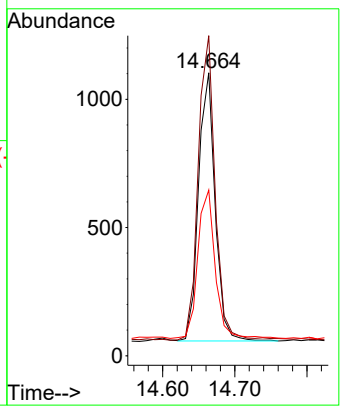


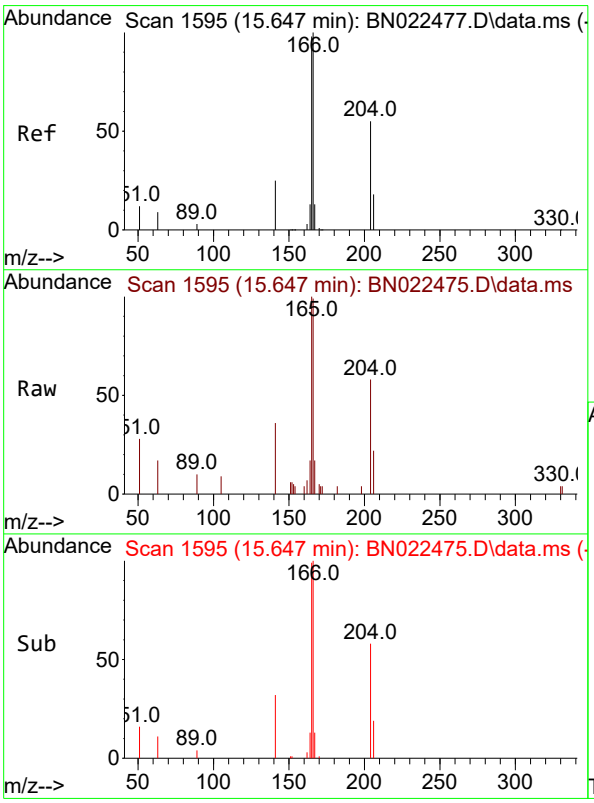
#17
Acenaphthene
Concen: 0.099 ng
RT: 14.664 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:154 Resp: 1677

Ion	Ratio	Lower	Upper
154	100		
153	116.0	91.8	137.8
152	57.7	45.7	68.5

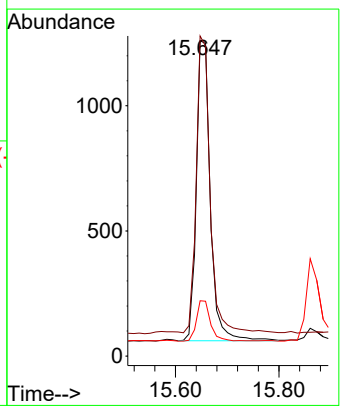


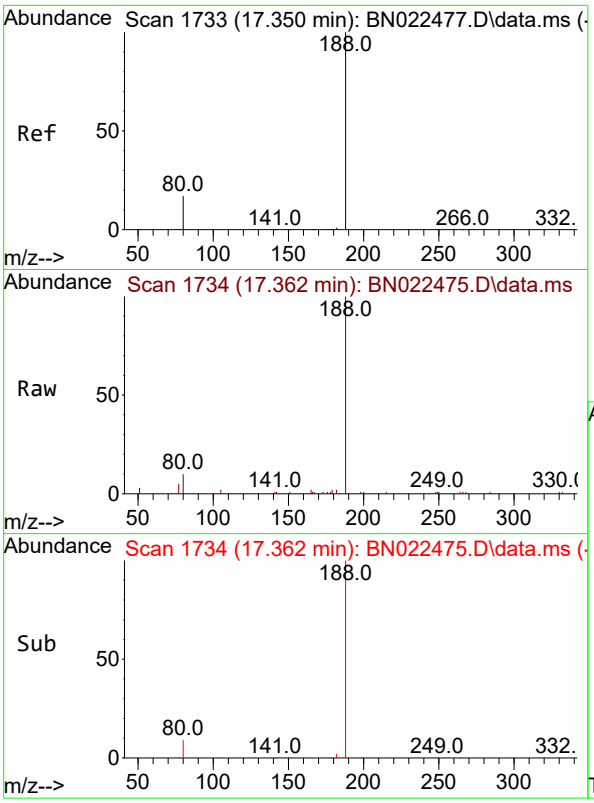


#18
Fluorene
Concen: 0.101 ng
RT: 15.647 min Scan# 1595
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:166 Resp: 2384

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.7	118.1
167	13.1	10.2	15.2



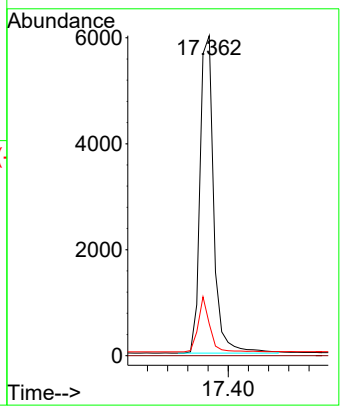


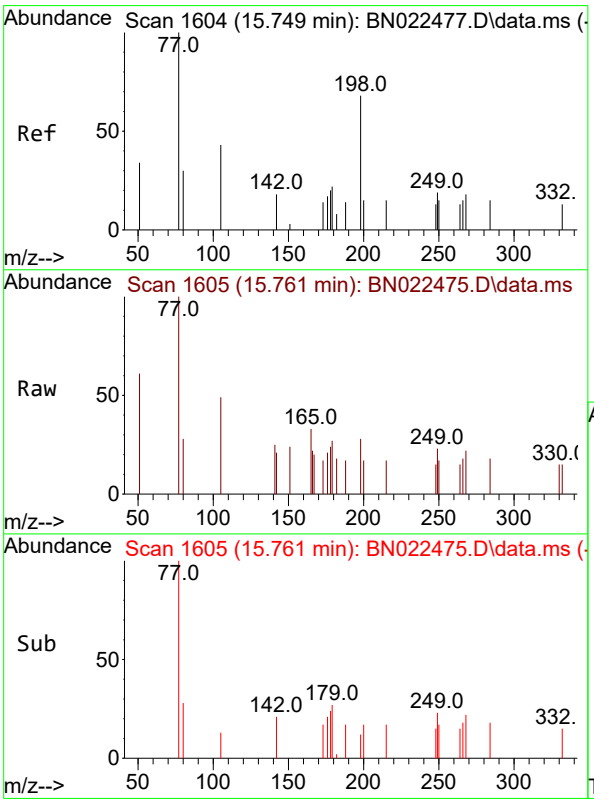
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.362 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:188 Resp: 11320

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	14.6	21.8#

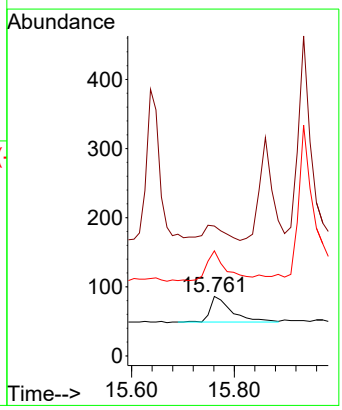


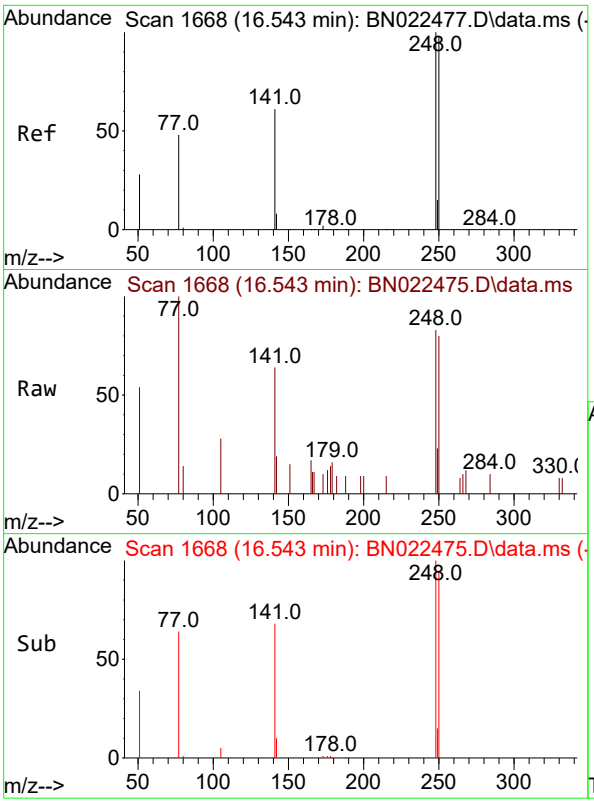


#20
4,6-Dinitro-2-methylphenol
Concen: 0.059 ng
RT: 15.761 min Scan# 1605
Delta R.T. 0.012 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:198 Resp: 106

Ion	Ratio	Lower	Upper
198	100		
51	218.6	83.8	125.8#
105	176.7	71.4	107.2#



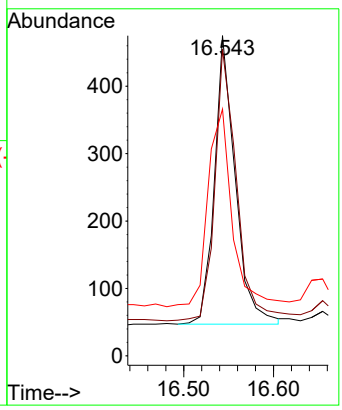


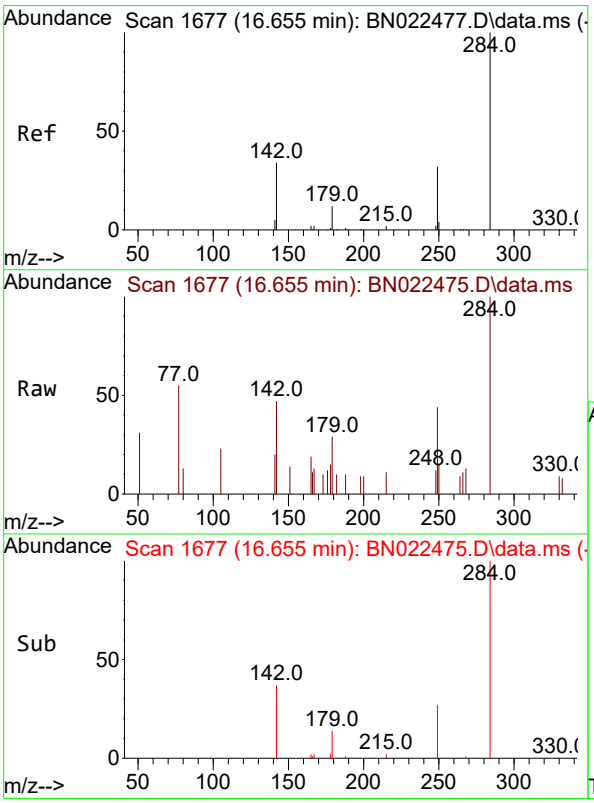
#21
4-Bromophenyl-phenylether
Concen: 0.101 ng
RT: 16.543 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 690

Ion	Ratio	Lower	Upper
248	100		
250	95.8	78.6	117.8
141	77.1	50.8	76.2#

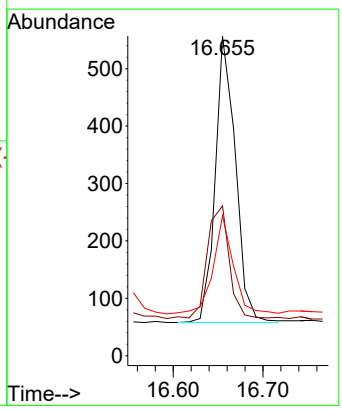


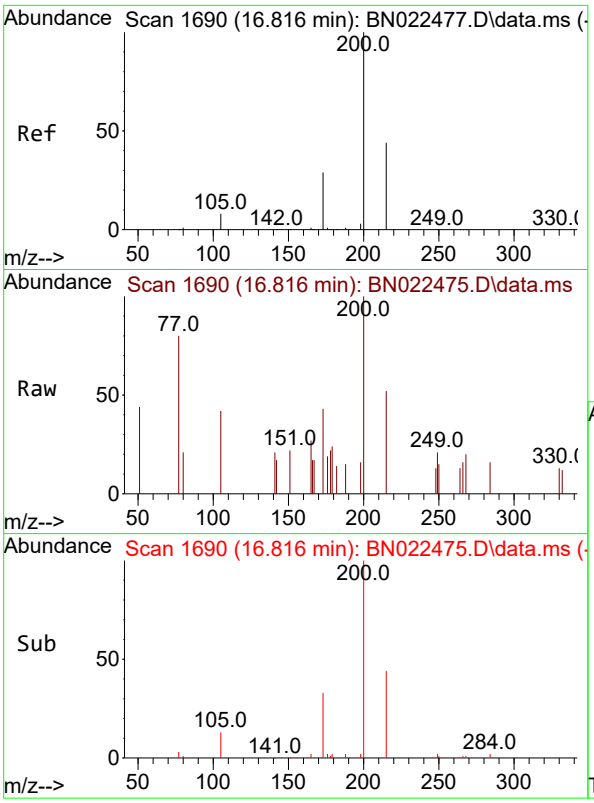


#22
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.655 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:284 Resp: 780

Ion	Ratio	Lower	Upper
284	100		
142	42.4	32.4	48.6
249	34.5	24.8	37.2



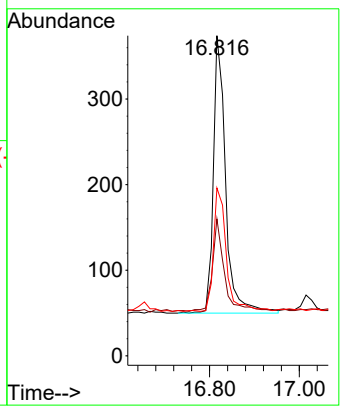


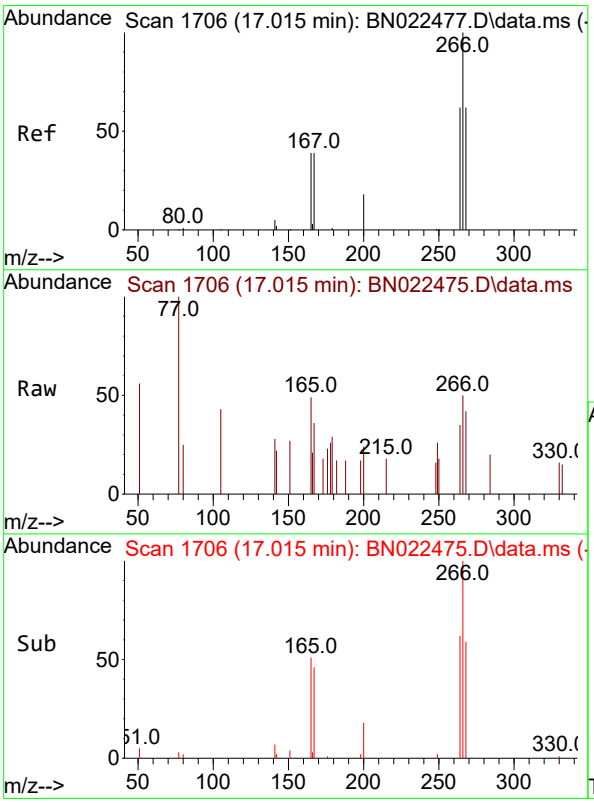
#23
Atrazine
Concen: 0.107 ng
RT: 16.816 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:200 Resp: 613

Ion	Ratio	Lower	Upper
200	100		
173	42.8	25.2	37.8#
215	52.4	36.6	55.0

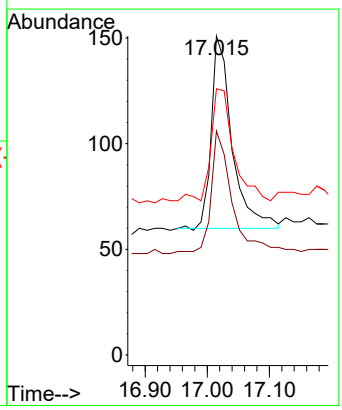


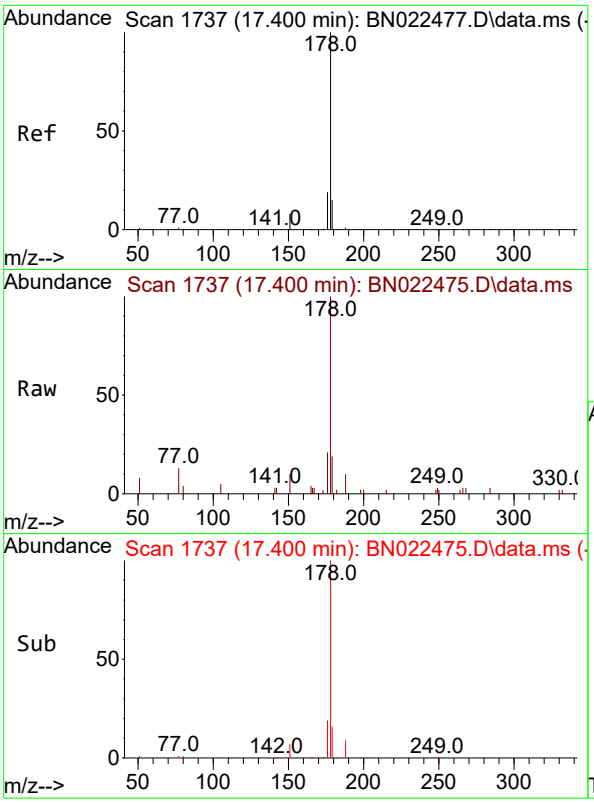


#24
Pentachlorophenol
Concen: 0.065 ng
RT: 17.015 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:266 Resp: 211

Ion	Ratio	Lower	Upper
266	100		
264	60.7	50.6	75.8
268	63.0	54.1	81.1



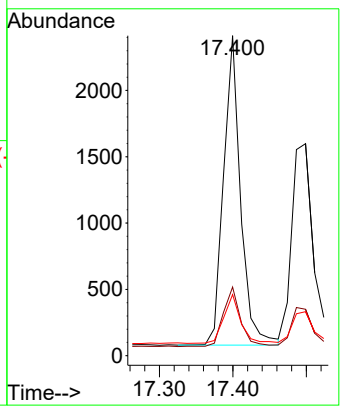


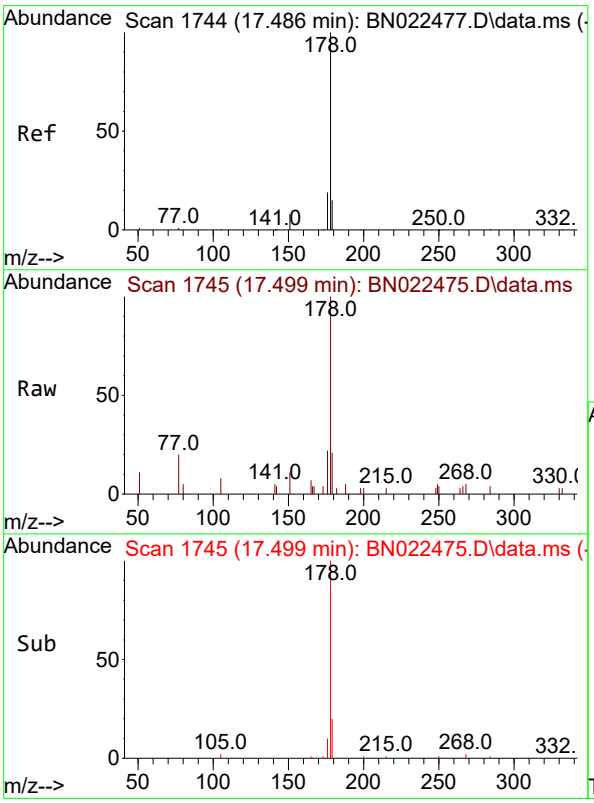
#25
Phenanthrene
Concen: 0.097 ng
RT: 17.400 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 3758

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.8	12.2	18.4

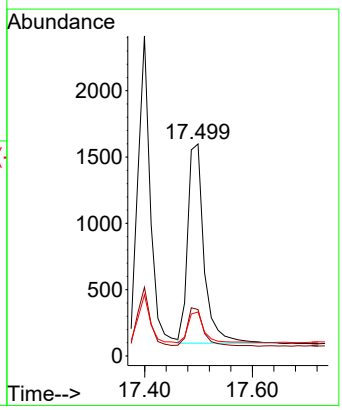


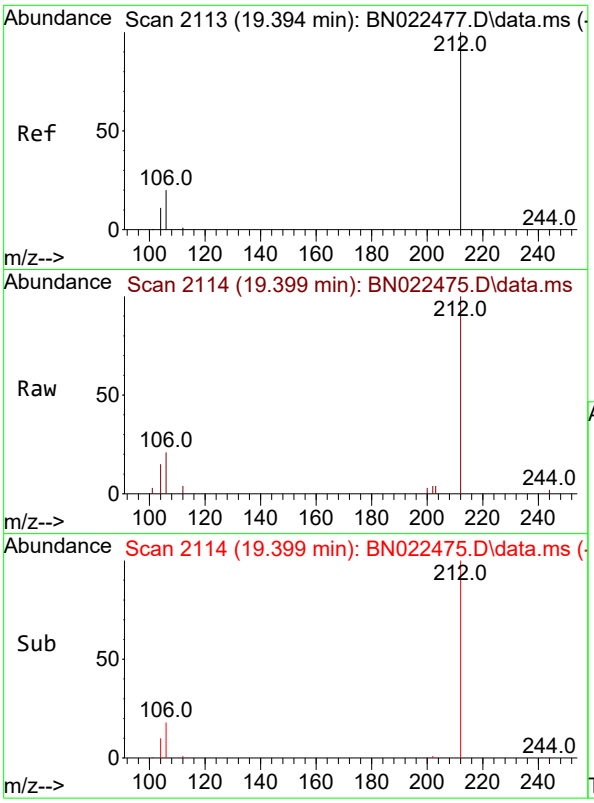


#26
Anthracene
Concen: 0.097 ng
RT: 17.499 min Scan# 1745
Delta R.T. 0.012 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:178 Resp: 3163

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	14.8	12.2	18.2



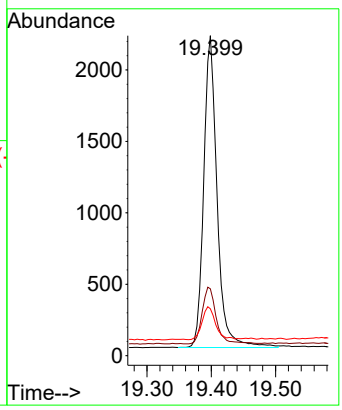


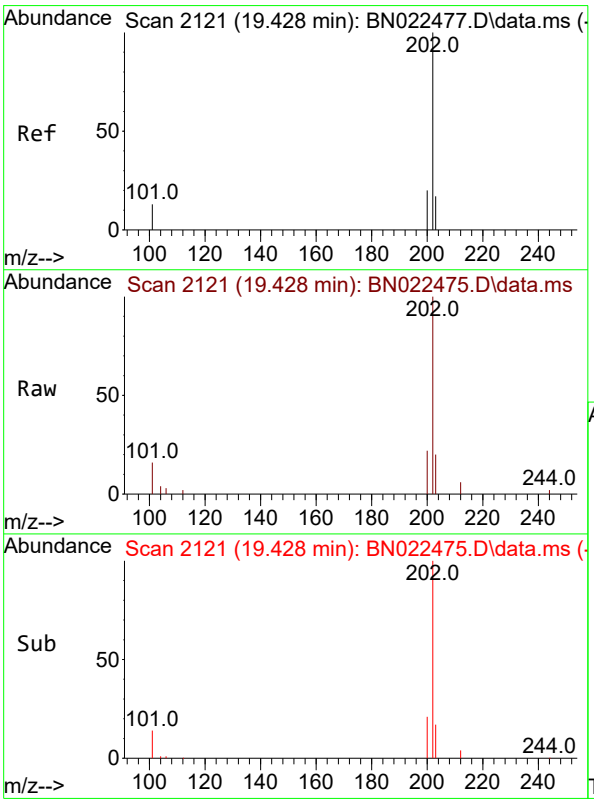
#27
Fluoranthene-d10
Concen: 0.102 ng
RT: 19.399 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 3178

Ion	Ratio	Lower	Upper
212	100		
106	19.0	15.2	22.8
104	10.8	8.6	12.8

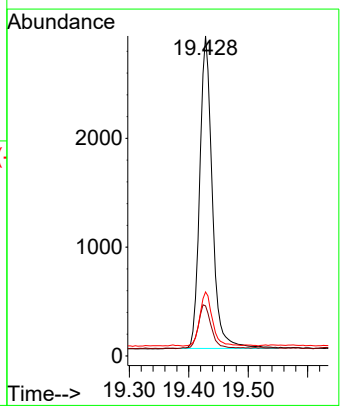


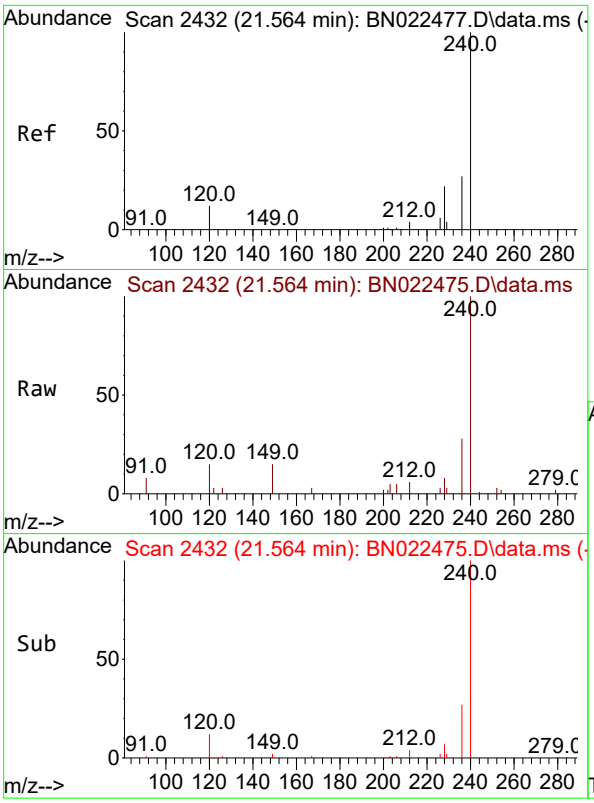


#28
Fluoranthene
Concen: 0.100 ng
RT: 19.428 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:202 Resp: 4214

Ion	Ratio	Lower	Upper
202	100		
101	14.6	11.2	16.8
203	17.3	13.6	20.4



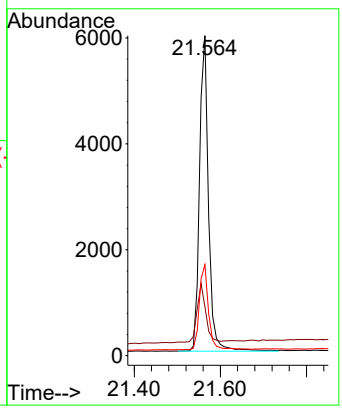


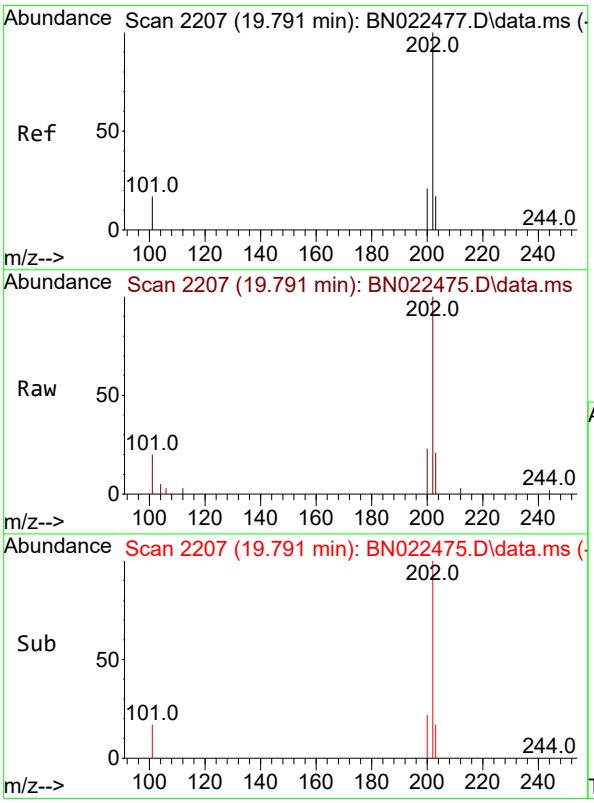
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.564 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 8660

Ion	Ratio	Lower	Upper
240	100		
120	15.3	12.4	18.6
236	28.5	22.7	34.1

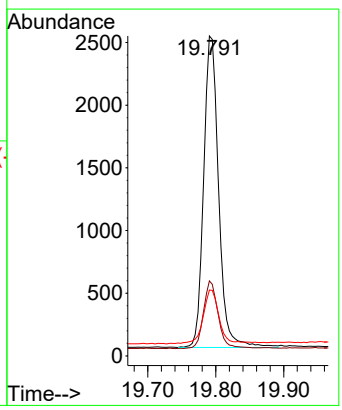


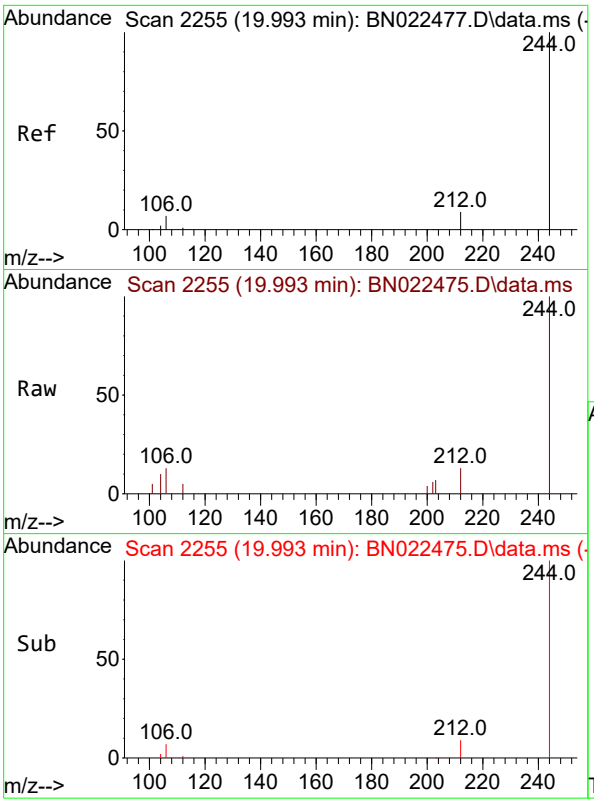


#30
Pyrene
Concen: 0.095 ng
RT: 19.791 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:202 Resp: 3800

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	19.2	14.3	21.5



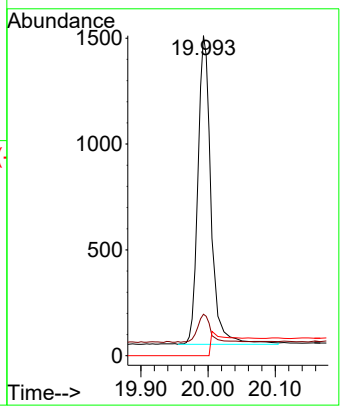


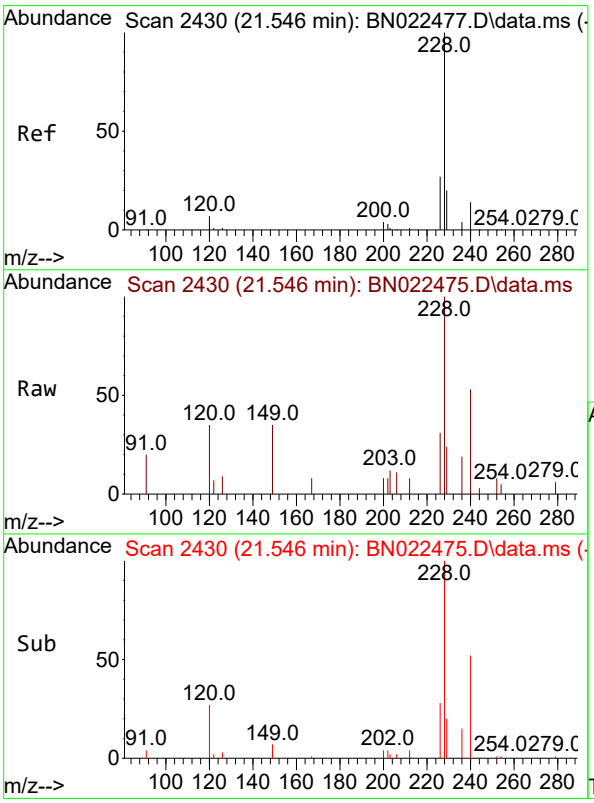
#31
Terphenyl-d14
Concen: 0.123 ng
RT: 19.993 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 2785

Ion	Ratio	Lower	Upper
244	100		
212	13.0	7.8	11.8#
122	0.0	0.0	0.0

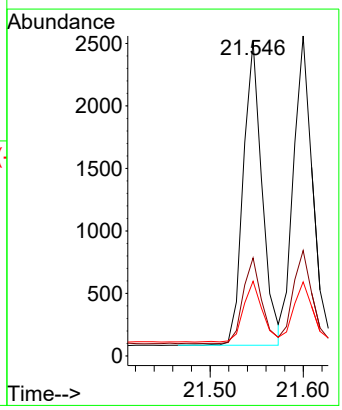


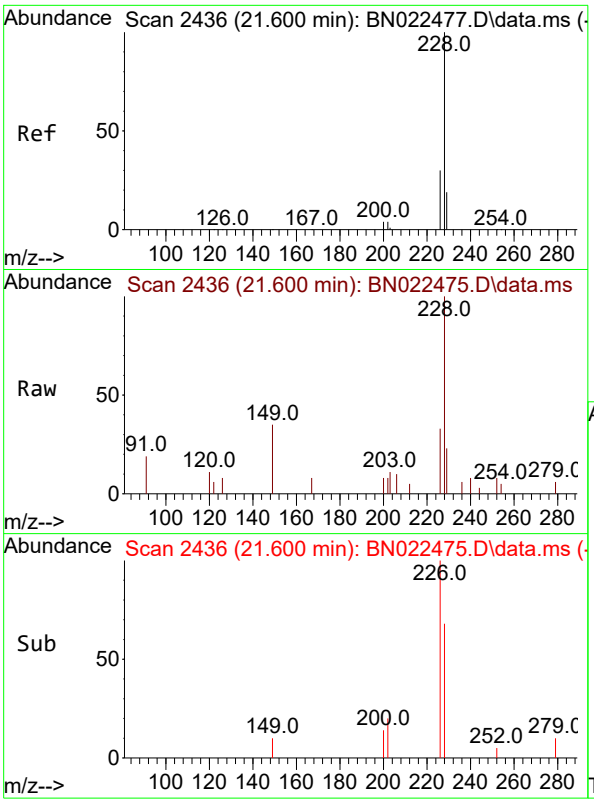


#32
Benzo(a)anthracene
Concen: 0.100 ng
RT: 21.546 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:228 Resp: 3416

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.1	33.1
229	23.7	16.4	24.6



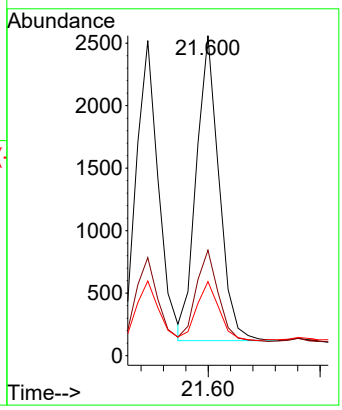


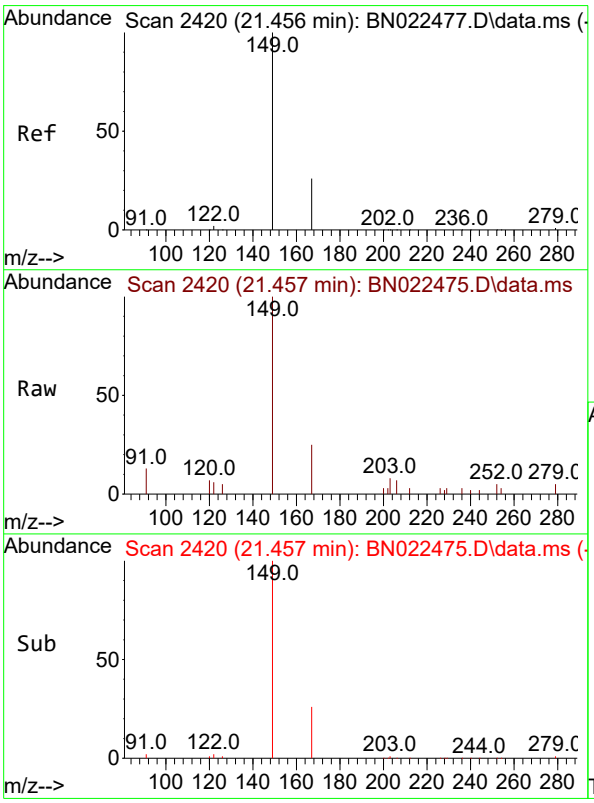
#33
Chrysene
Concen: 0.096 ng
RT: 21.600 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 3425

Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.1	36.1
229	23.2	15.9	23.9

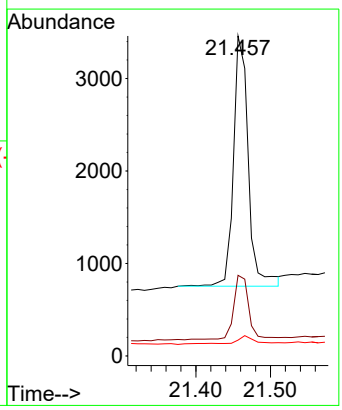


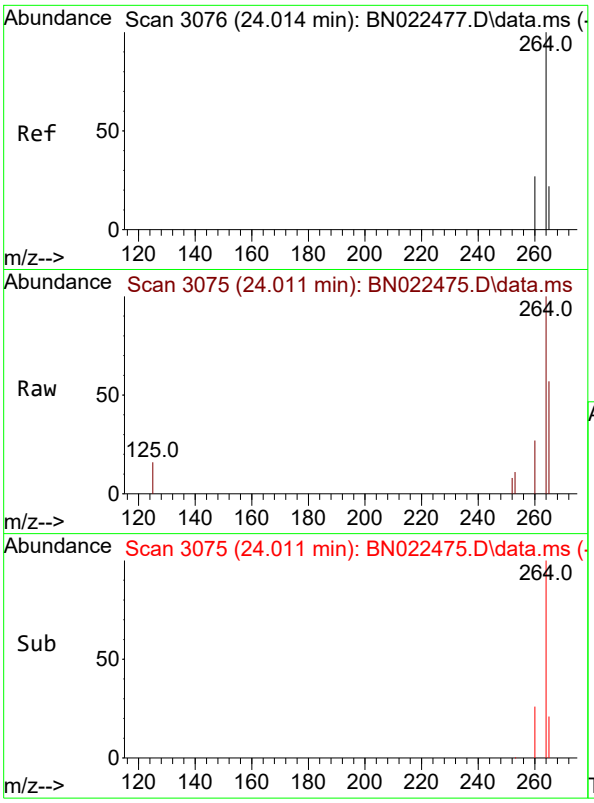


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.143 ng
RT: 21.457 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:149 Resp: 3724

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.3	31.9
279	5.6	2.7	4.1#



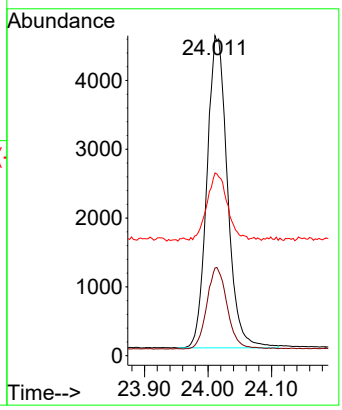


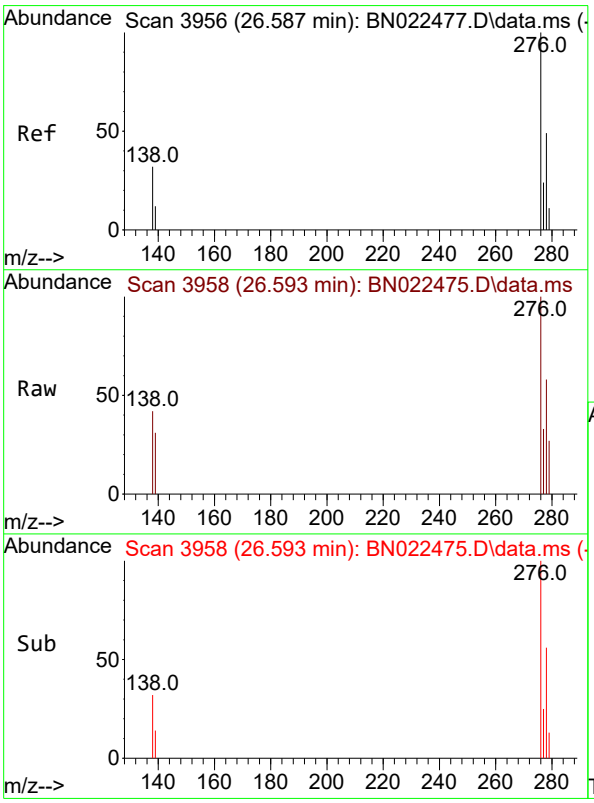
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.011 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:264 Resp: 10171

Ion	Ratio	Lower	Upper
264	100		
260	27.4	22.4	33.6
265	57.1	44.4	66.6

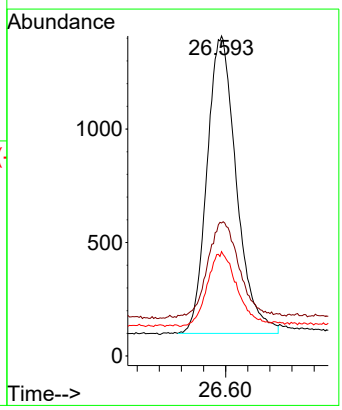


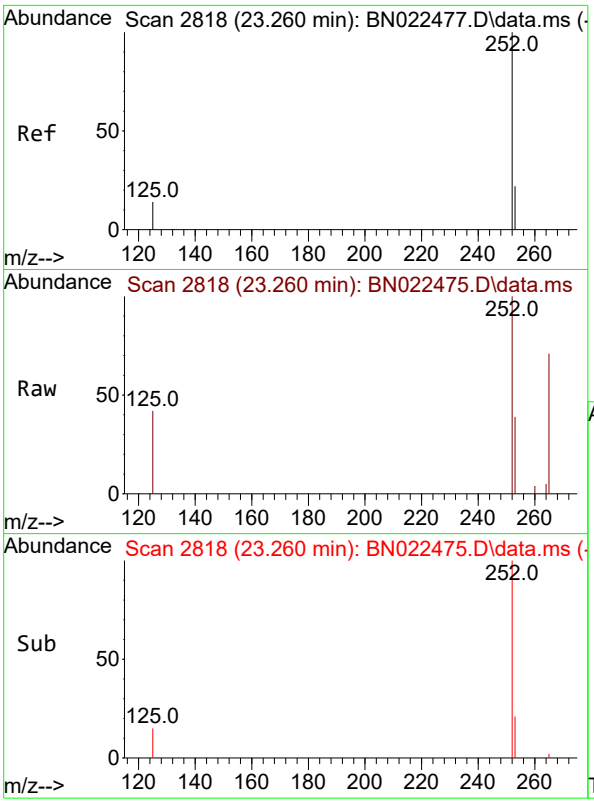


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.096 ng
RT: 26.593 min Scan# 3958
Delta R.T. 0.006 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:276 Resp: 4826

Ion	Ratio	Lower	Upper
276	100		
138	34.7	27.5	41.3
277	25.6	19.8	29.6



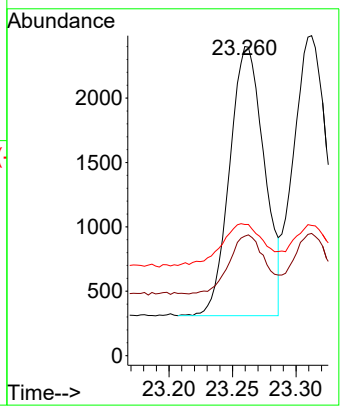


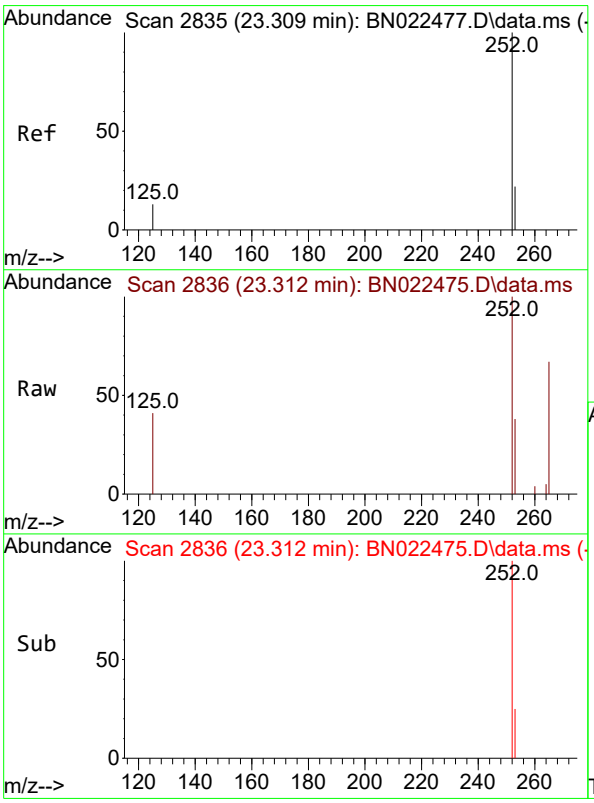
#37
Benzo(b)fluoranthene
Concen: 0.085 ng
RT: 23.260 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3971

Ion	Ratio	Lower	Upper
252	100		
253	38.7	21.1	31.7#
125	42.5	16.8	25.2#

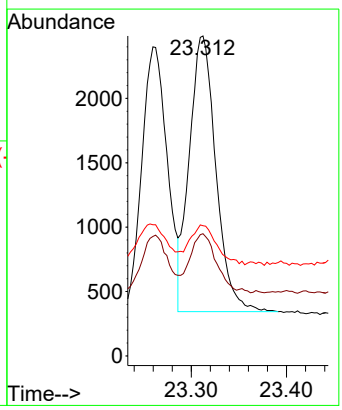


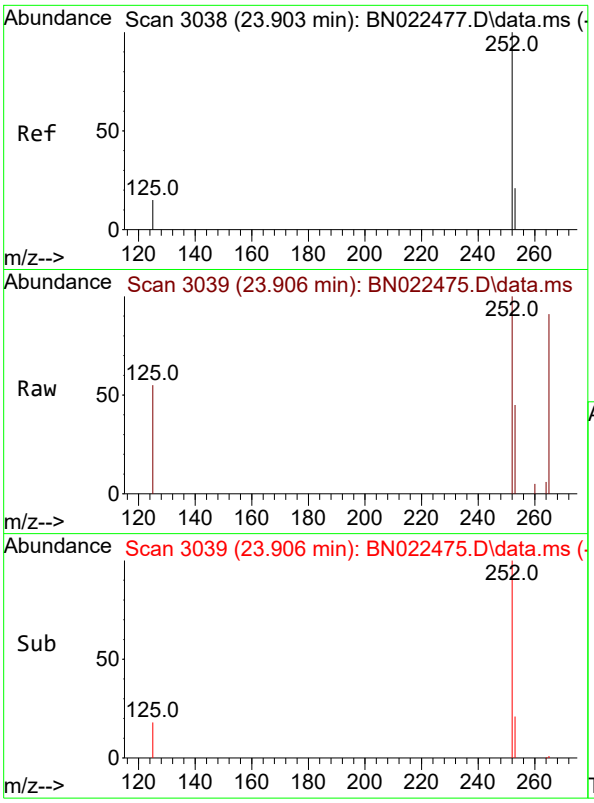


#38
Benzo(k)fluoranthene
Concen: 0.090 ng
RT: 23.312 min Scan# 2836
Delta R.T. 0.003 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:252 Resp: 4166

Ion	Ratio	Lower	Upper
252	100		
253	38.2	20.9	31.3#
125	40.7	16.1	24.1#



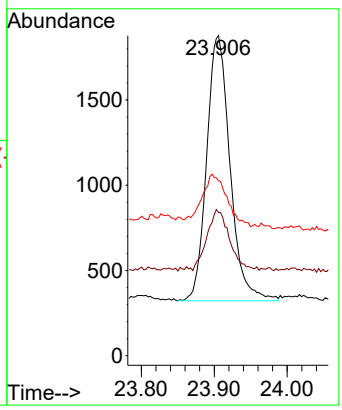


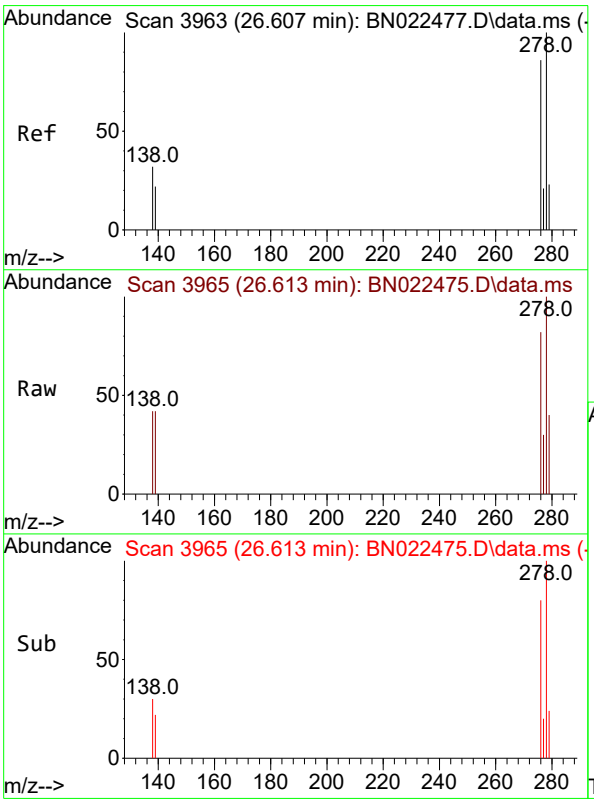
#39
Benzo(a)pyrene
Concen: 0.092 ng
RT: 23.906 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 3467

Ion	Ratio	Lower	Upper
252	100		
253	44.8	22.0	33.0#
125	54.7	19.8	29.8#

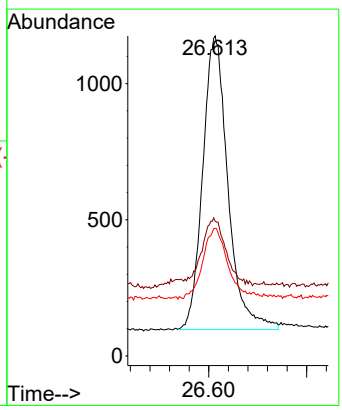


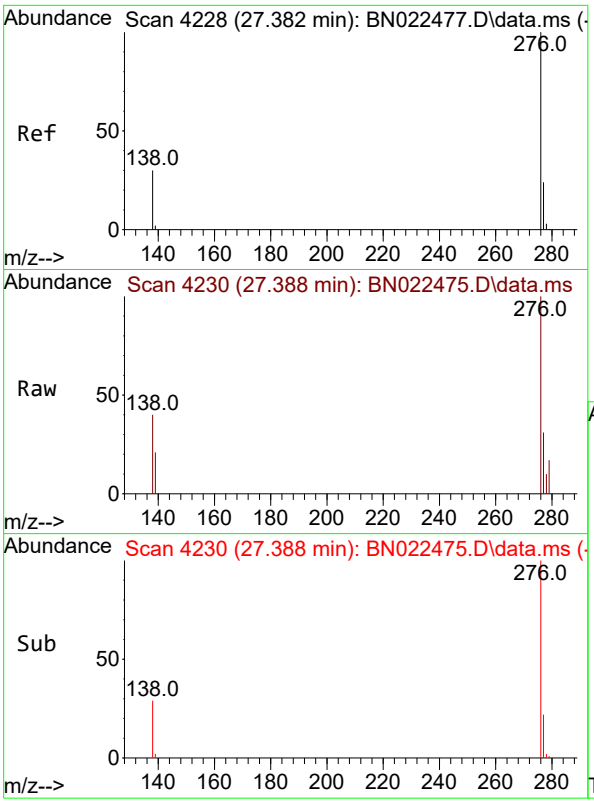


#40
Dibenzo(a,h)anthracene
Concen: 0.098 ng
RT: 26.613 min Scan# 3965
Delta R.T. 0.006 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Tgt Ion:278 Resp: 3852

Ion	Ratio	Lower	Upper
278	100		
139	42.1	21.8	32.6#
279	39.9	21.5	32.3#





#41
Benzo(g,h,i)perylene
Concen: 0.102 ng
RT: 27.388 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN022475.D
Acq: 03 Nov 2022 12:49

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 4228

Ion	Ratio	Lower	Upper
276	100		
277	31.5	21.0	31.4#
138	39.9	26.0	39.0#