Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110723\
Data File : BN028487.D
Acq On : 07 Nov 2023 12:01
Operator : MA/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 07 16:50:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 07 15:43:27 2023
Response via : Initial Calibration

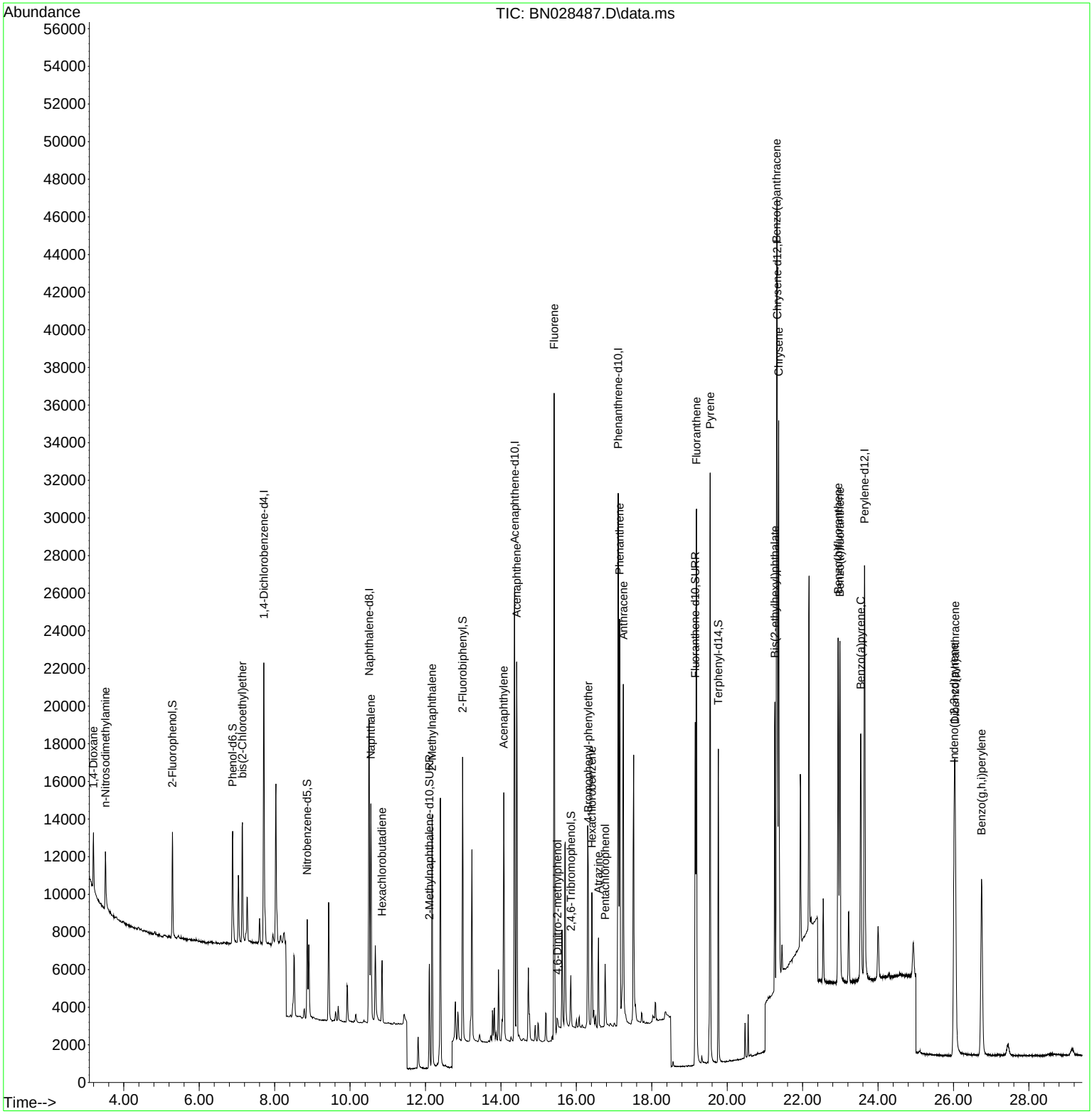
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.717	152	7729	0.400	ng		0.00
7) Naphthalene-d8	10.509	136	23566	0.400	ng		0.00
13) Acenaphthene-d10	14.364	164	14798	0.400	ng		0.00
19) Phenanthrene-d10	17.109	188	36029	0.400	ng		0.00
29) Chrysene-d12	21.329	240	30362	0.400	ng		0.00
35) Perylene-d12	23.643	264	29996	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.290	112	4677	0.202	ng		0.00
5) Phenol-d6	6.886	99	5976	0.201	ng		0.00
8) Nitrobenzene-d5	8.864	82	4255	0.202	ng		0.00
11) 2-Methylnaphthalene-d10	12.102	152	7685	0.188	ng		0.00
14) 2,4,6-Tribromophenol	15.855	330	1653	0.199	ng		0.00
15) 2-Fluorobiphenyl	12.985	172	12975	0.199	ng		0.00
27) Fluoranthene-d10	19.153	212	20959	0.190	ng		0.00
31) Terphenyl-d14	19.766	244	16268	0.202	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.196	88	1865	0.199	ng		99
3) n-Nitrosodimethylamine	3.514	42	2146	0.201	ng	#	94
6) bis(2-Chloroethyl)ether	7.146	93	4807	0.195	ng		99
9) Naphthalene	10.551	128	14682	0.200	ng		99
10) Hexachlorobutadiene	10.850	225	2607	0.199	ng	#	100
12) 2-Methylnaphthalene	12.174	142	9907	0.197	ng		99
16) Acenaphthylene	14.075	152	14753	0.190	ng		99
17) Acenaphthene	14.417	154	10243	0.197	ng		100
18) Fluorene	15.412	166	14681	0.200	ng		100
20) 4,6-Dinitro-2-methylph...	15.497	198	874	0.252	ng	#	57
21) 4-Bromophenyl-phenylether	16.315	248	4767	0.198	ng		97
22) Hexachlorobenzene	16.414	284	4896	0.194	ng		99
23) Atrazine	16.588	200	3915	0.184	ng		99
24) Pentachlorophenol	16.762	266	1767	0.164	ng		99
25) Phenanthrene	17.146	178	23536	0.197	ng		100
26) Anthracene	17.246	178	20986	0.192	ng		99
28) Fluoranthene	19.185	202	27867	0.195	ng		100
30) Pyrene	19.548	202	28942	0.200	ng		100
32) Benzo(a)anthracene	21.311	228	24372	0.192	ng		99
33) Chrysene	21.365	228	24408	0.193	ng		99
34) Bis(2-ethylhexyl)phtha...	21.266	149	15294	0.195	ng		100
36) Indeno(1,2,3-cd)pyrene	26.017	276	22701	0.188	ng		99
37) Benzo(b)fluoranthene	22.941	252	23828	0.193	ng	#	93
38) Benzo(k)fluoranthene	22.988	252	23528	0.195	ng	#	95
39) Benzo(a)pyrene	23.541	252	20181	0.191	ng	#	91
40) Dibenzo(a,h)anthracene	26.041	278	17652	0.187	ng	#	85
41) Benzo(g,h,i)perylene	26.745	276	20017	0.192	ng		96

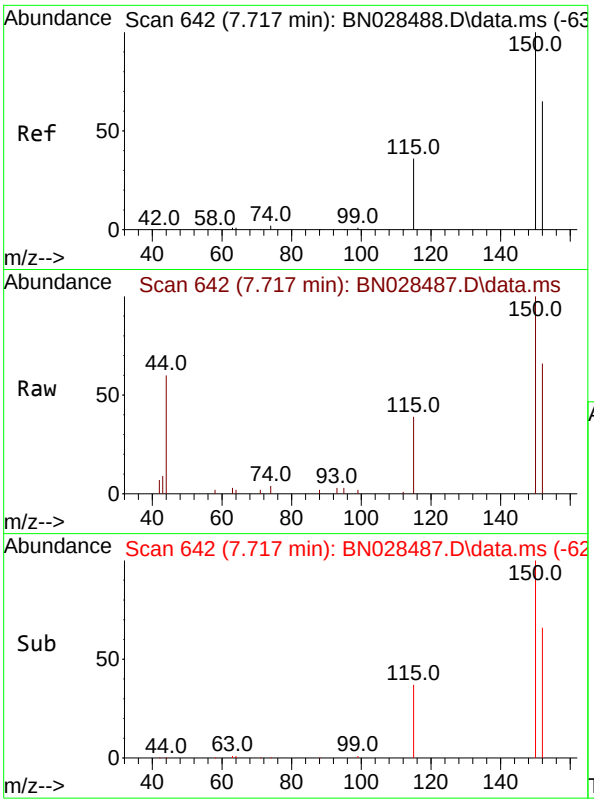
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110723\
Data File : BN028487.D
Acq On : 07 Nov 2023 12:01
Operator : MA/JU
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Quant Time: Nov 07 16:50:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 07 15:43:27 2023
Response via : Initial Calibration



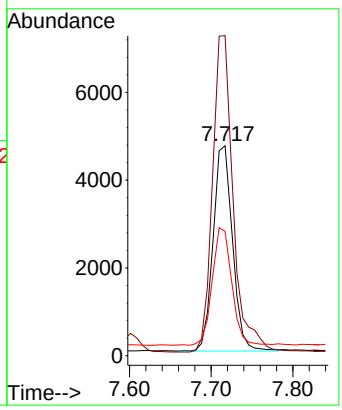


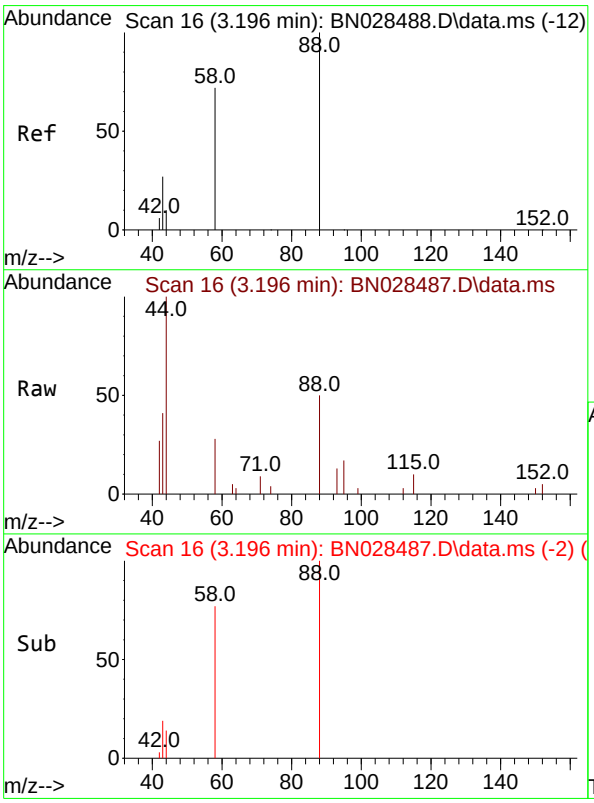
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 7729

Ion	Ratio	Lower	Upper
152	100		
150	152.4	122.5	183.7
115	59.2	47.5	71.3

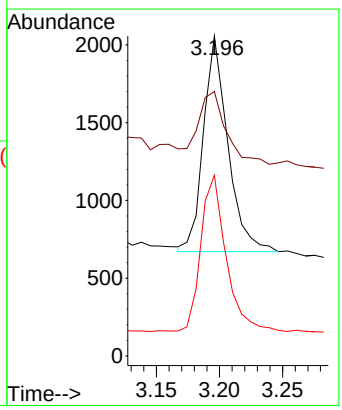


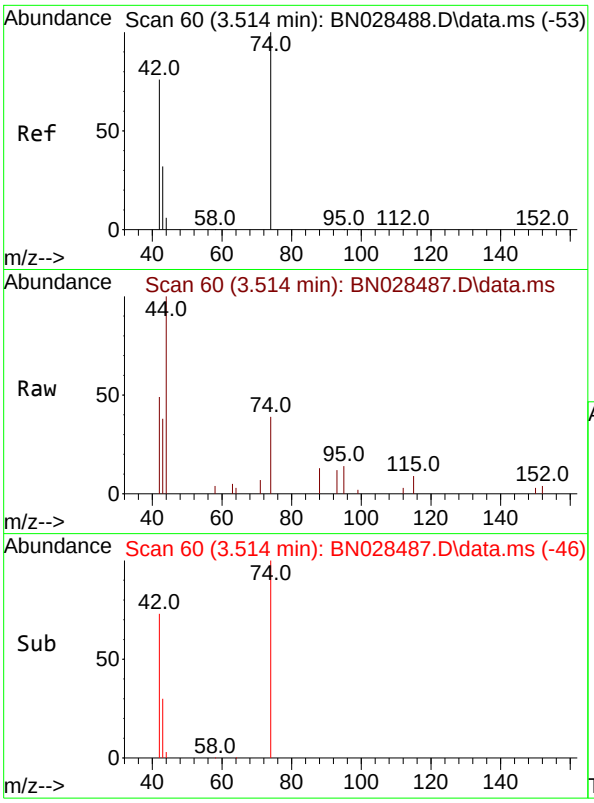


#2
1,4-Dioxane
Concen: 0.199 ng
RT: 3.196 min Scan# 16
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion: 88 Resp: 1865

Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.0	43.4
58	75.0	60.2	90.2



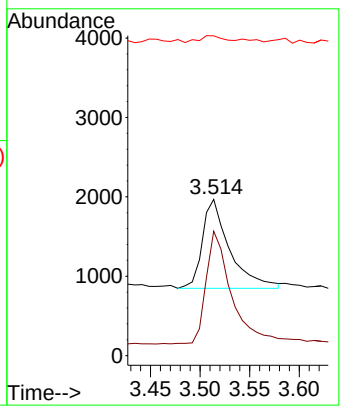


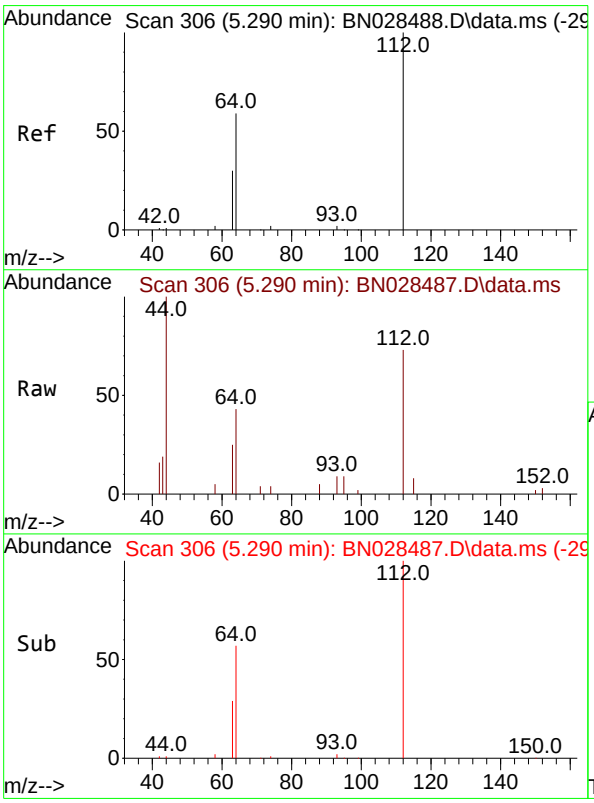
#3
n-Nitrosodimethylamine
Concen: 0.201 ng
RT: 3.514 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 42 Resp: 2146

Ion	Ratio	Lower	Upper
42	100		
74	119.2	100.8	151.2
44	6.8	7.3	10.9#

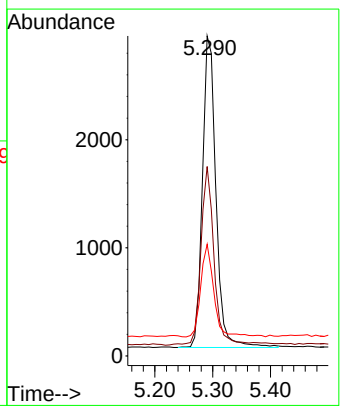


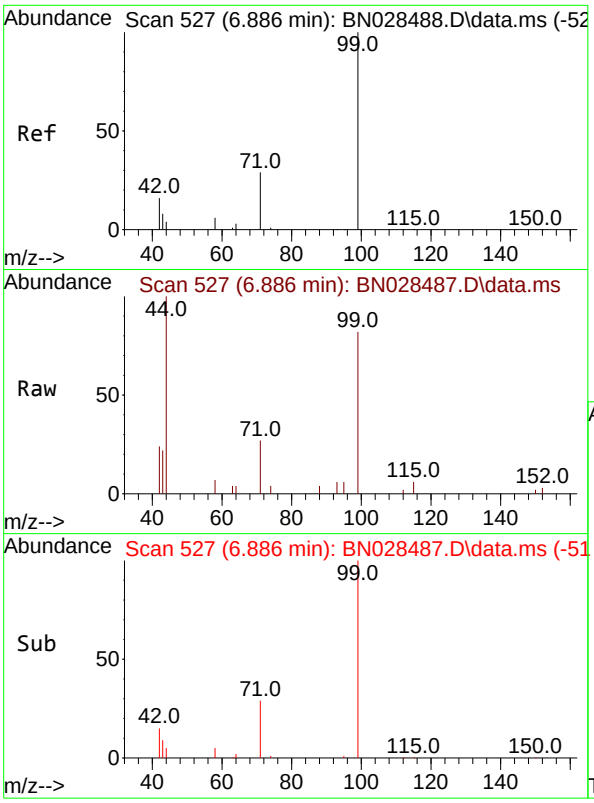


#4
2-Fluorophenol
Concen: 0.202 ng
RT: 5.290 min Scan# 306
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:112 Resp: 4677

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.6	67.0
63	29.1	23.3	34.9



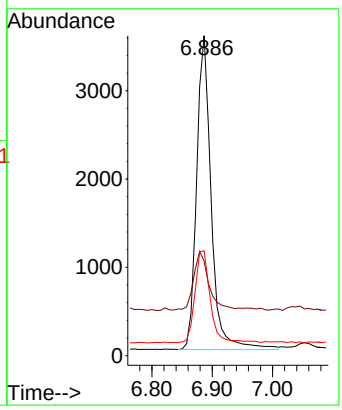


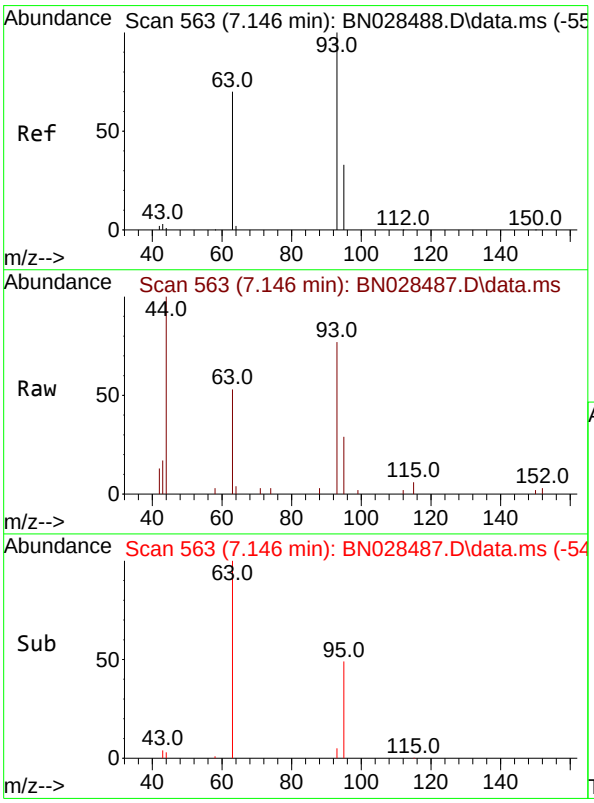
#5
Phenol-d6
Concen: 0.201 ng
RT: 6.886 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion: 99 Resp: 5976

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.8	23.8
71	30.2	25.1	37.7

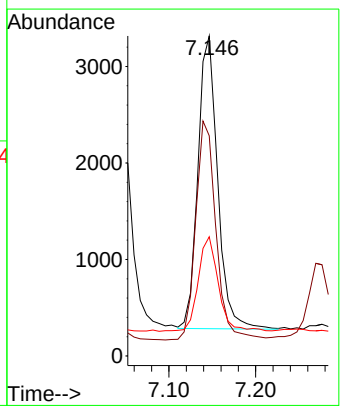


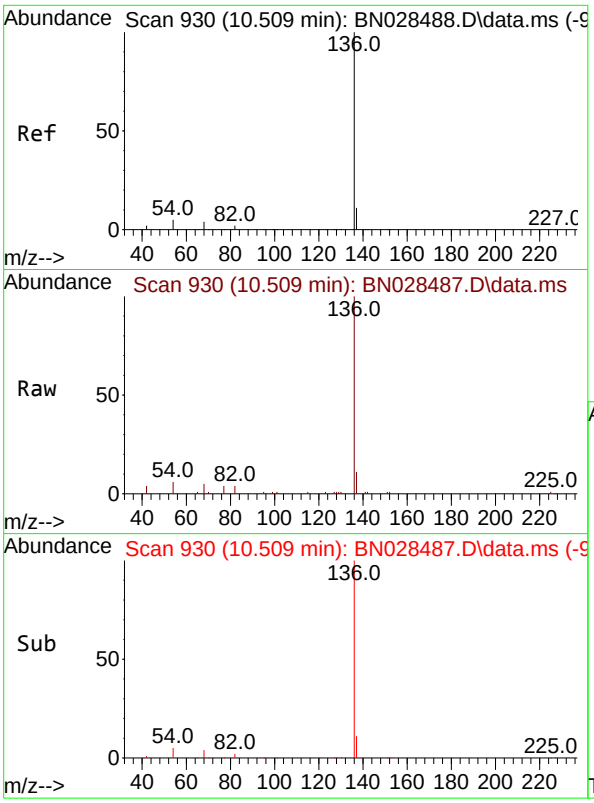


#6
bis(2-Chloroethyl)ether
Concen: 0.195 ng
RT: 7.146 min Scan# 563
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion: 93 Resp: 4807

Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.9	91.3
95	33.1	26.2	39.2



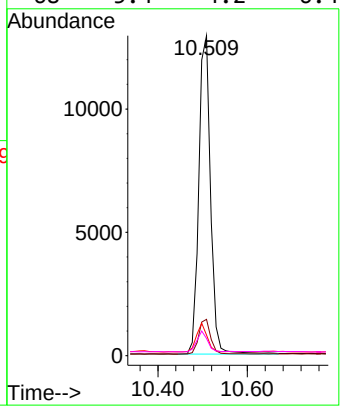


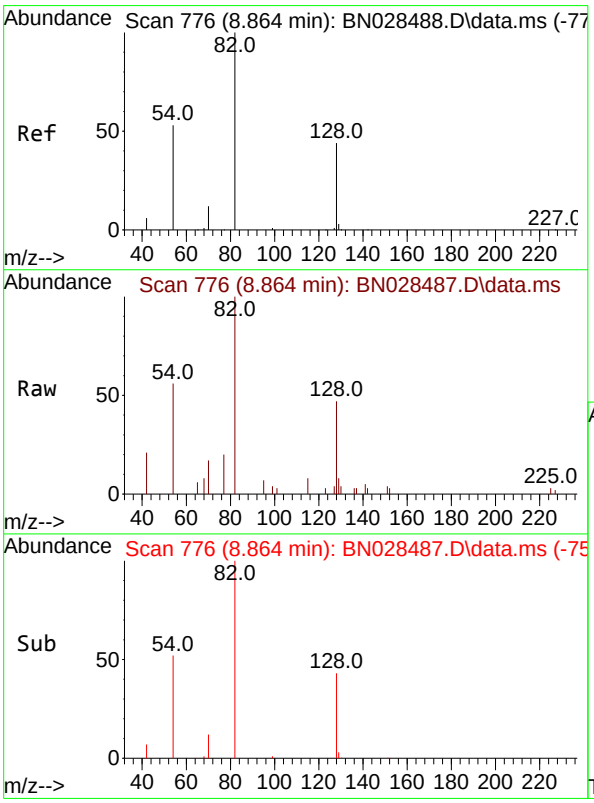
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:136 Resp: 23566

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.4	5.1	7.7
68	5.4	4.2	6.4

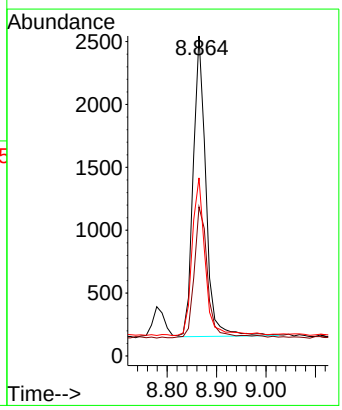


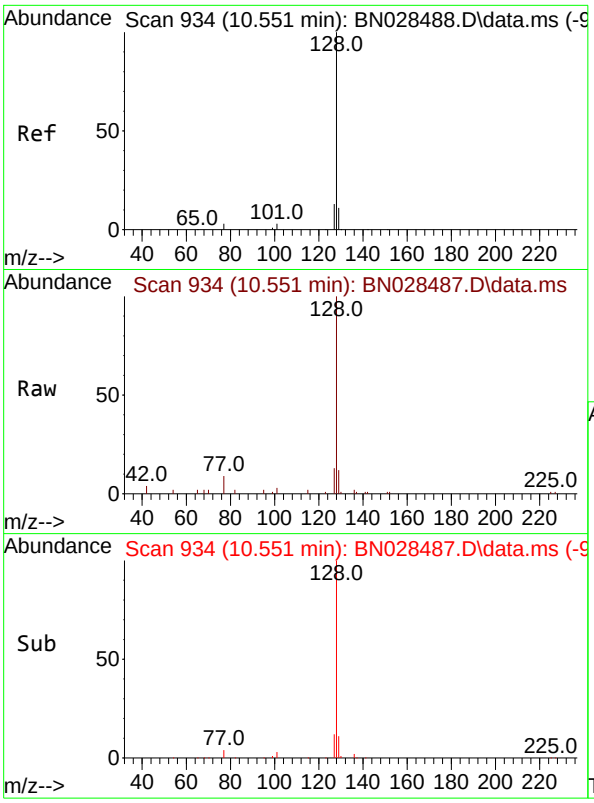


#8
Nitrobenzene-d5
Concen: 0.202 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion: 82 Resp: 4255

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.5	54.7
54	55.7	43.8	65.8



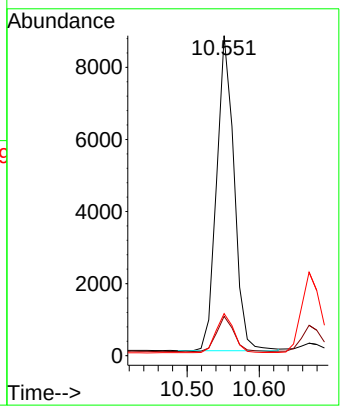


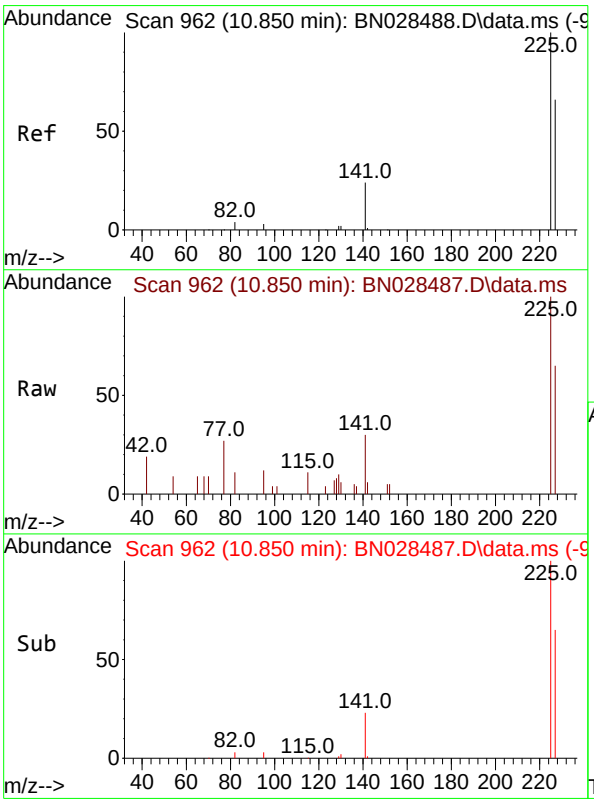
#9
Naphthalene
Concen: 0.200 ng
RT: 10.551 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:128 Resp: 14682

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.1	13.7
127	13.1	10.6	15.8

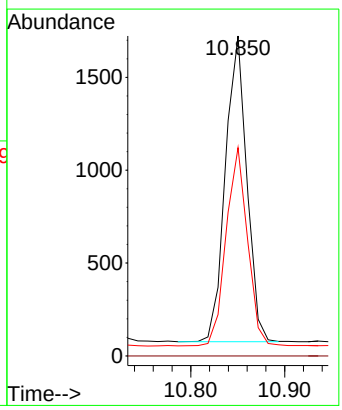


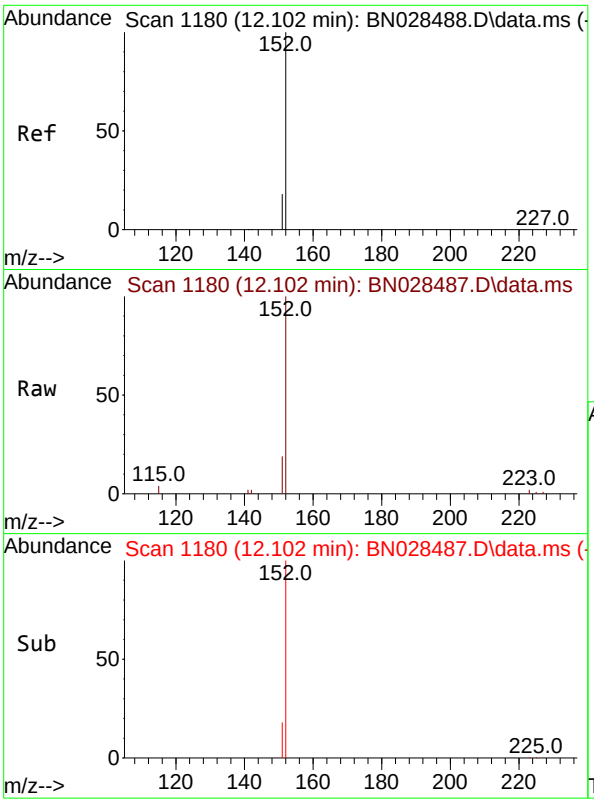


#10
Hexachlorobutadiene
Concen: 0.199 ng
RT: 10.850 min Scan# 962
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:225 Resp: 2607

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.9	51.9	77.9



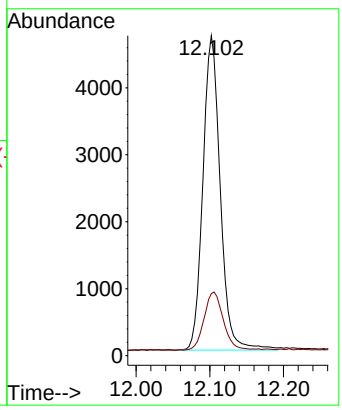


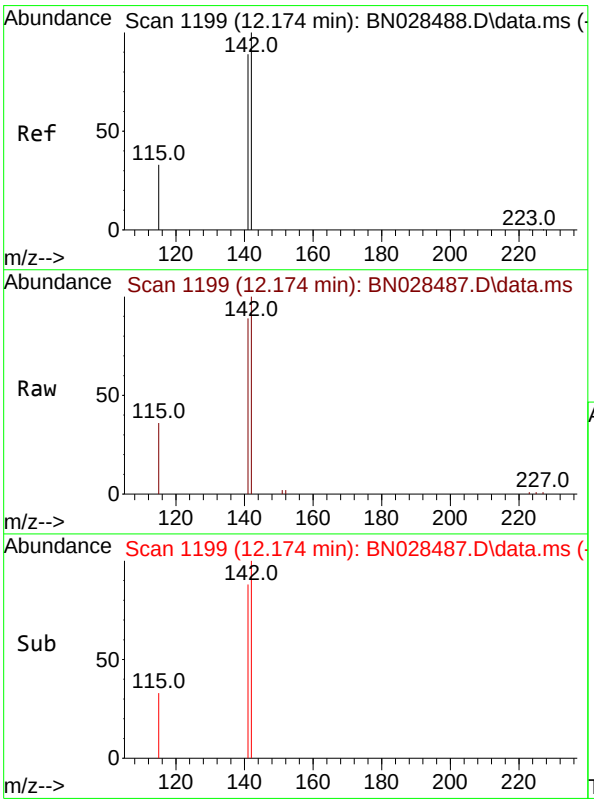
#11
2-Methylnaphthalene-d10
Concen: 0.188 ng
RT: 12.102 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:152 Resp: 7685

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.1	24.1

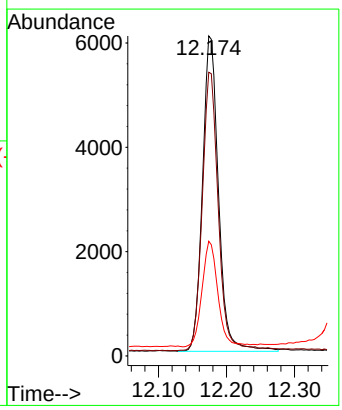


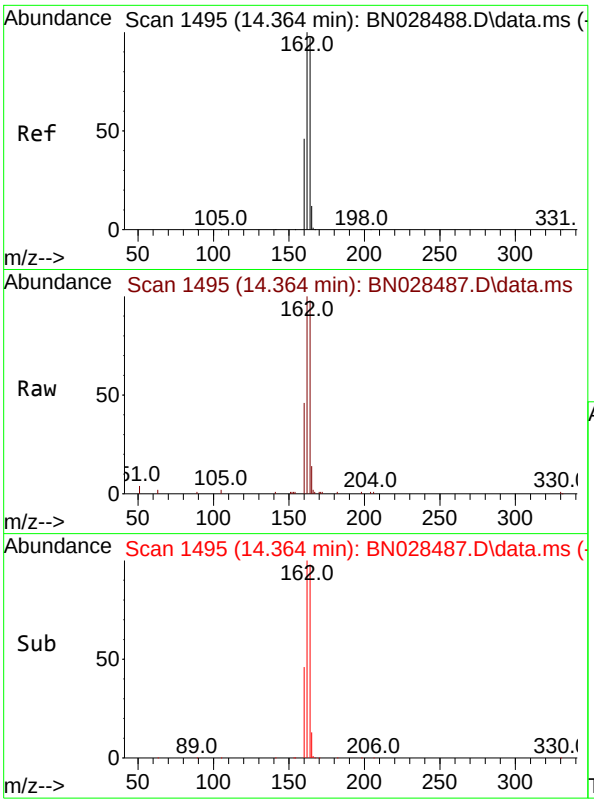


#12
2-Methylnaphthalene
Concen: 0.197 ng
RT: 12.174 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:142 Resp: 9907

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9
115	35.8	27.6	41.4



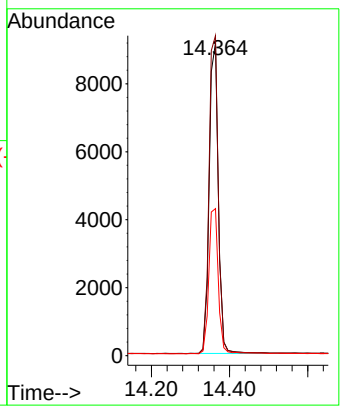


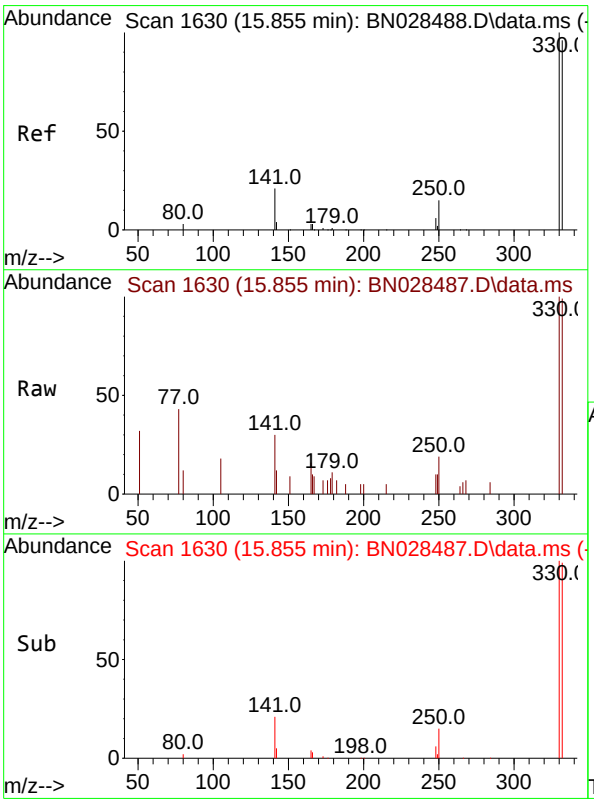
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.364 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:164 Resp: 14798

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.5	123.7
160	47.0	38.1	57.1

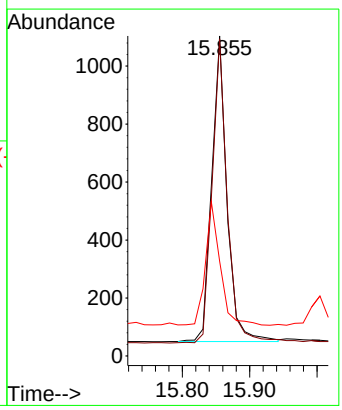


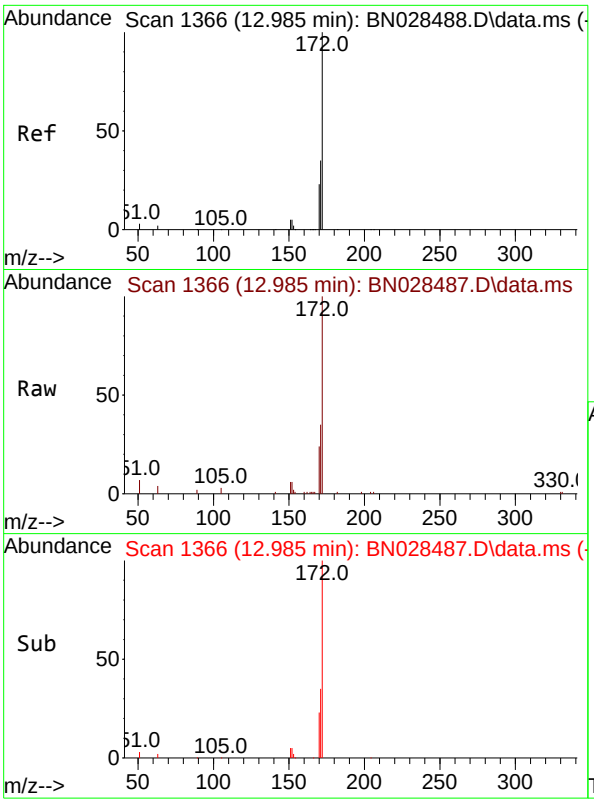


#14
2,4,6-Tribromophenol
Concen: 0.199 ng
RT: 15.855 min Scan# 1630
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:330 Resp: 1653

Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.0	115.4
141	38.9	32.6	49.0



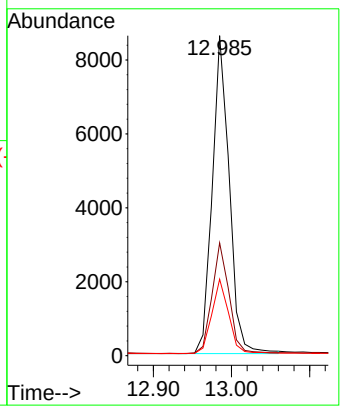


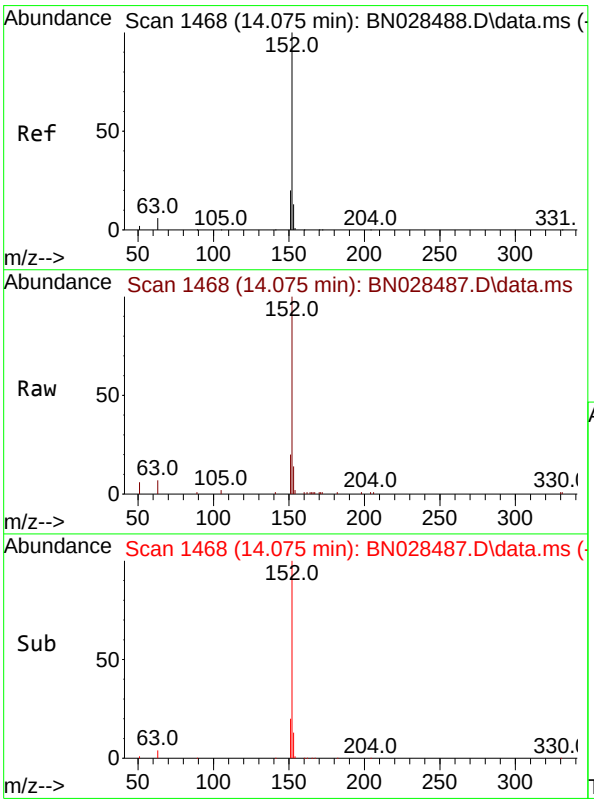
#15
2-Fluorobiphenyl
Concen: 0.199 ng
RT: 12.985 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:172 Resp: 12975

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	23.9	18.9	28.3

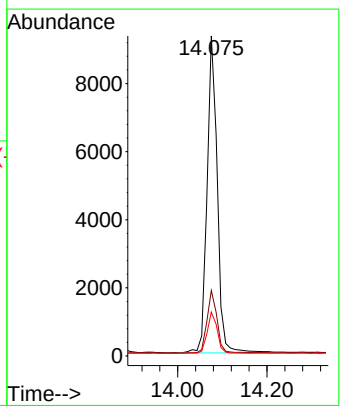


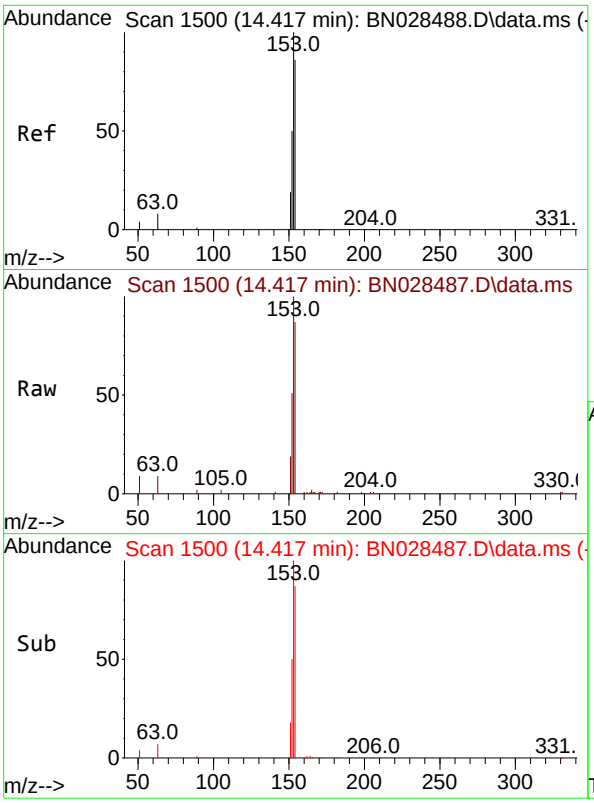


#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.075 min Scan# 1468
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:152 Resp: 14753

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0
153	12.7	10.5	15.7



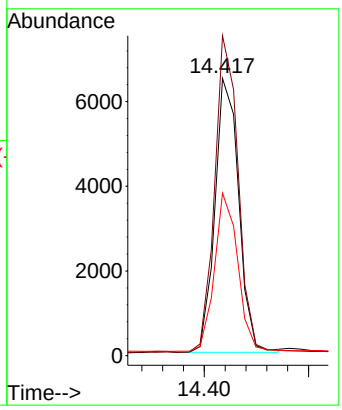


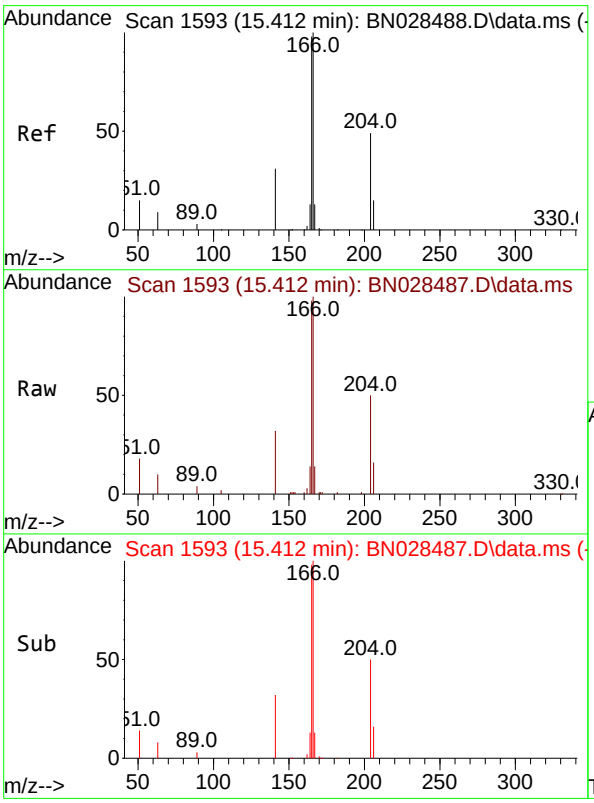
#17
Acenaphthene
Concen: 0.197 ng
RT: 14.417 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:154 Resp: 10243

Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.0	138.0
152	57.1	45.4	68.0

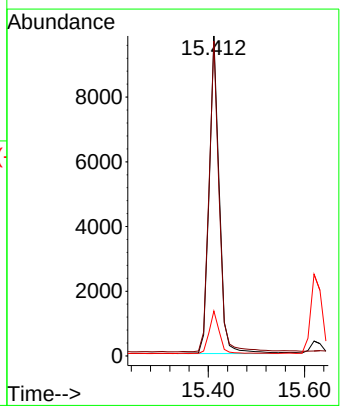


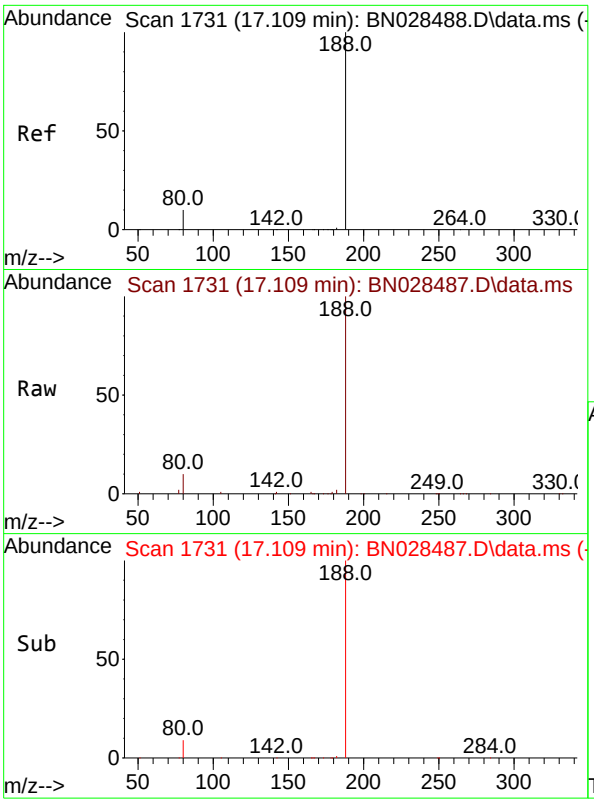


#18
Fluorene
Concen: 0.200 ng
RT: 15.412 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:166 Resp: 14681

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.5	117.7
167	13.4	10.6	16.0



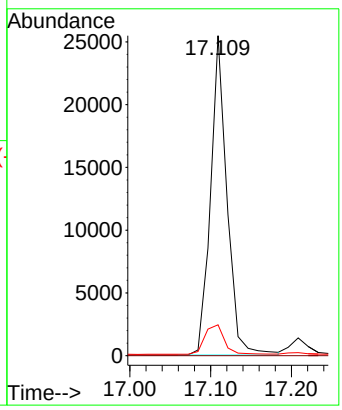


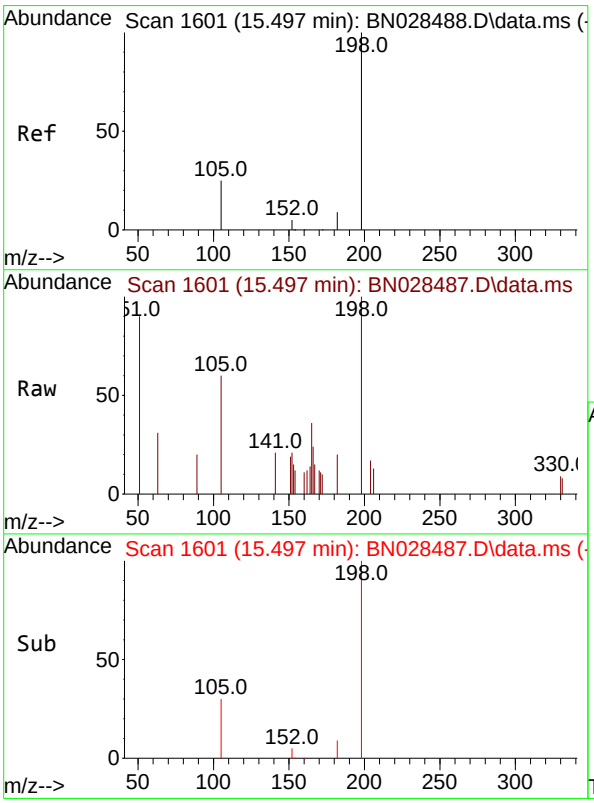
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:188 Resp: 36029

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	8.3	12.5

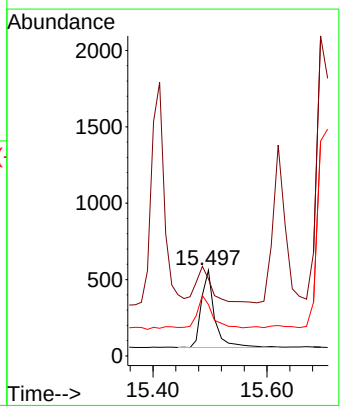


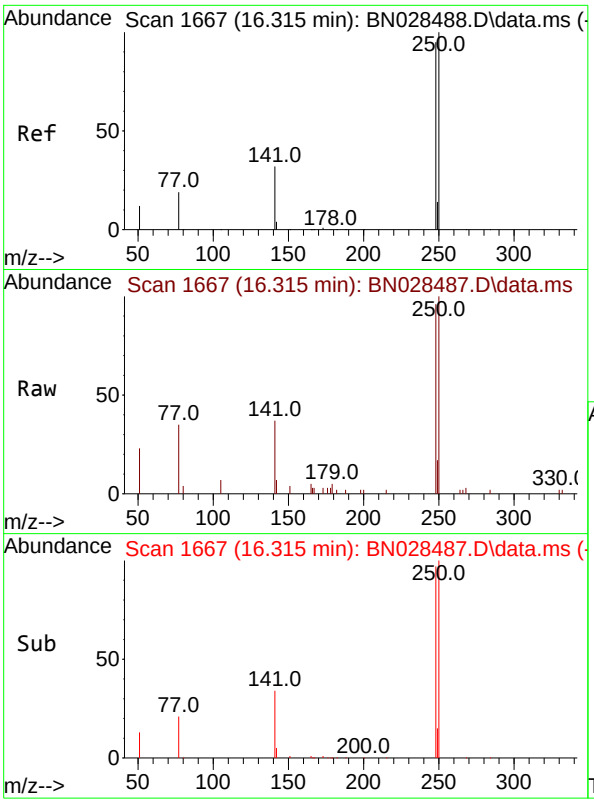


#20
4,6-Dinitro-2-methylphenol
Concen: 0.252 ng
RT: 15.497 min Scan# 1601
Delta R.T. 0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:198 Resp: 874

Ion	Ratio	Lower	Upper
198	100		
51	90.0	42.1	63.1#
105	59.9	32.6	48.8#



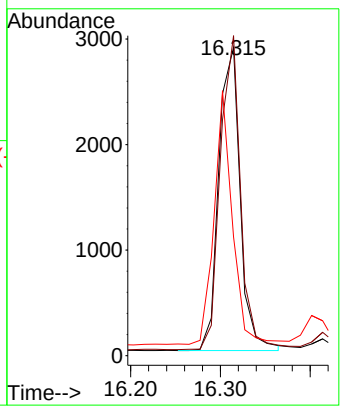


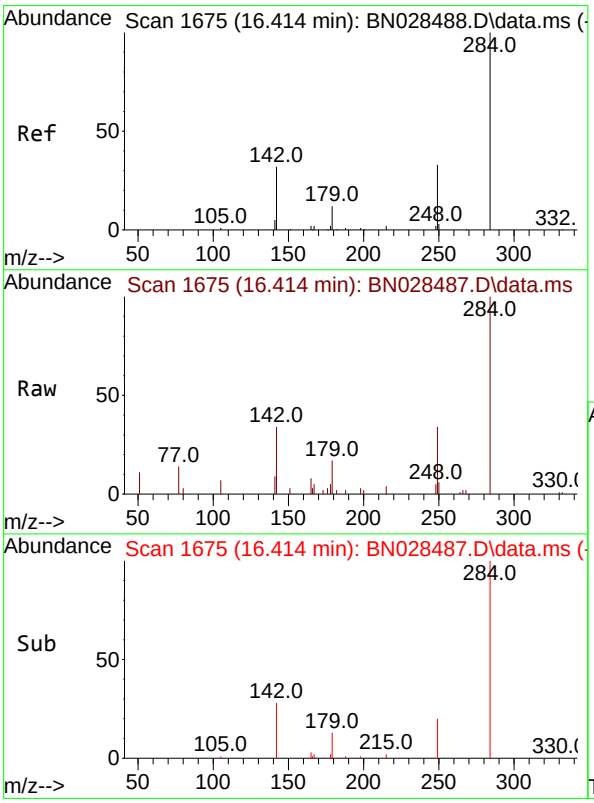
#21
4-Bromophenyl-phenylether
Concen: 0.198 ng
RT: 16.315 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:248 Resp: 4767

Ion	Ratio	Lower	Upper
248	100		
250	103.8	84.6	126.8
141	38.5	28.2	42.2

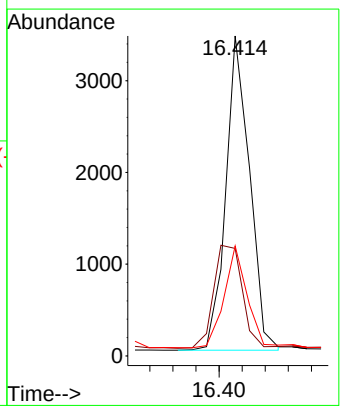


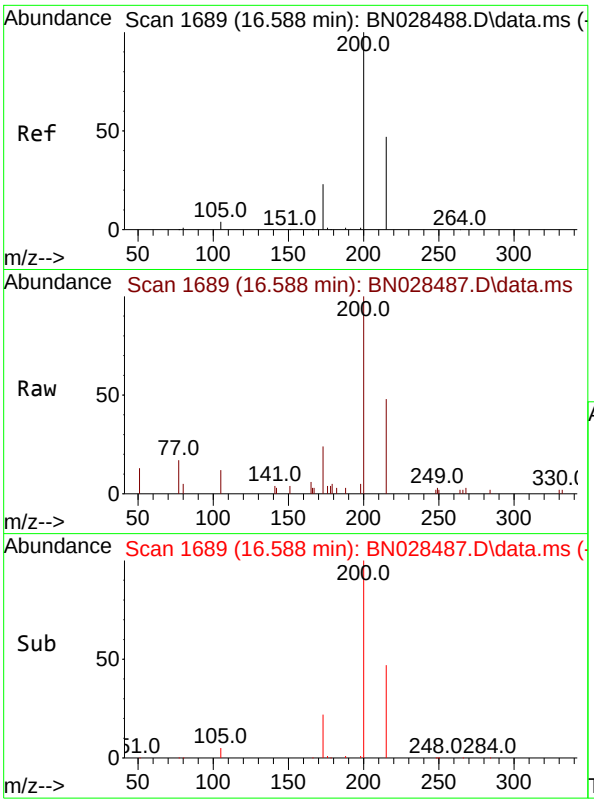


#22
Hexachlorobenzene
Concen: 0.194 ng
RT: 16.414 min Scan# 1675
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:284 Resp: 4896

Ion	Ratio	Lower	Upper
284	100		
142	39.5	31.8	47.6
249	31.2	25.4	38.0



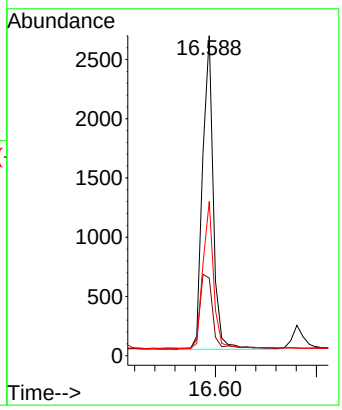


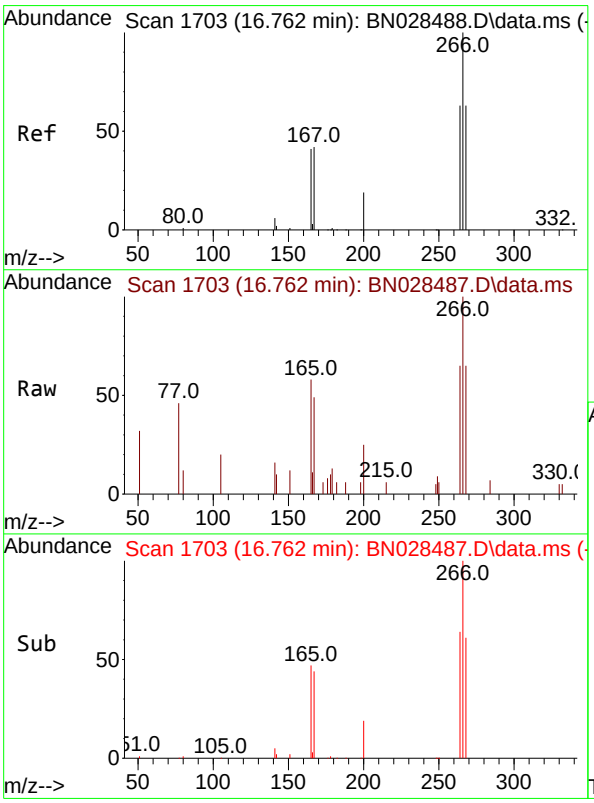
#23
Atrazine
Concen: 0.184 ng
RT: 16.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:200 Resp: 3915

Ion	Ratio	Lower	Upper
200	100		
173	24.3	18.7	28.1
215	48.2	38.3	57.5

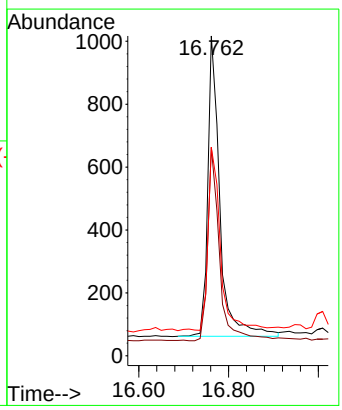


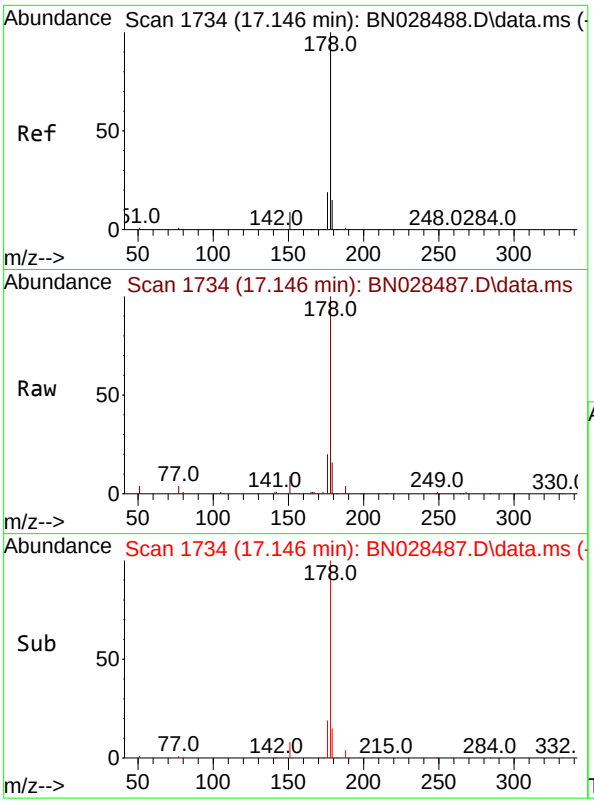


#24
Pentachlorophenol
Concen: 0.164 ng
RT: 16.762 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:266 Resp: 1767

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.5	75.7
268	64.1	51.9	77.9



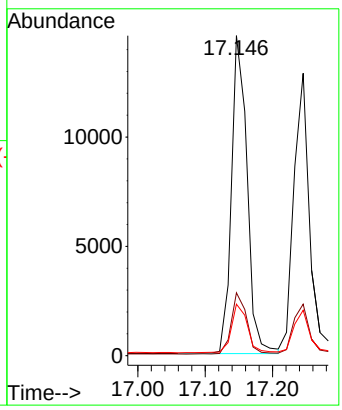


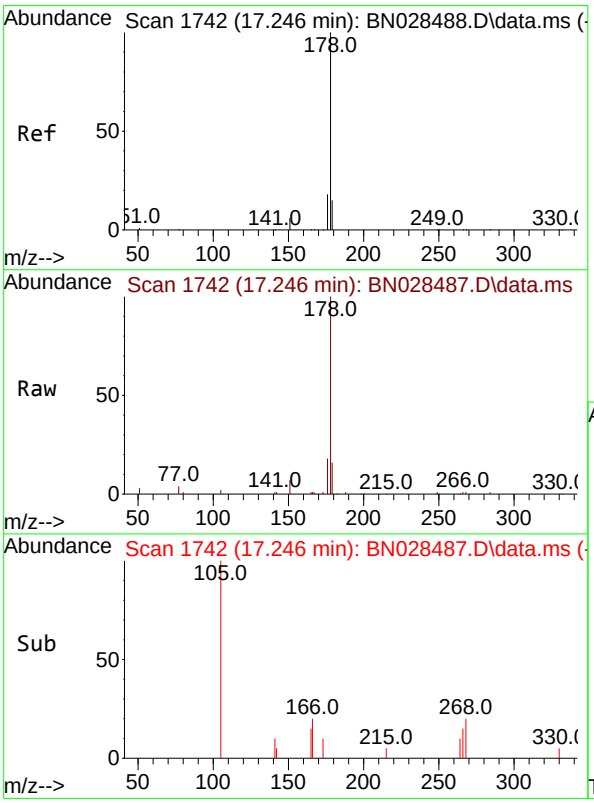
#25
Phenanthrene
Concen: 0.197 ng
RT: 17.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:178 Resp: 23536

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.7	12.5	18.7

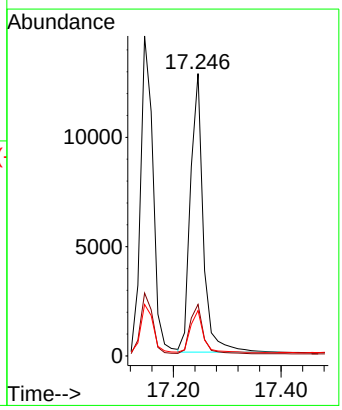


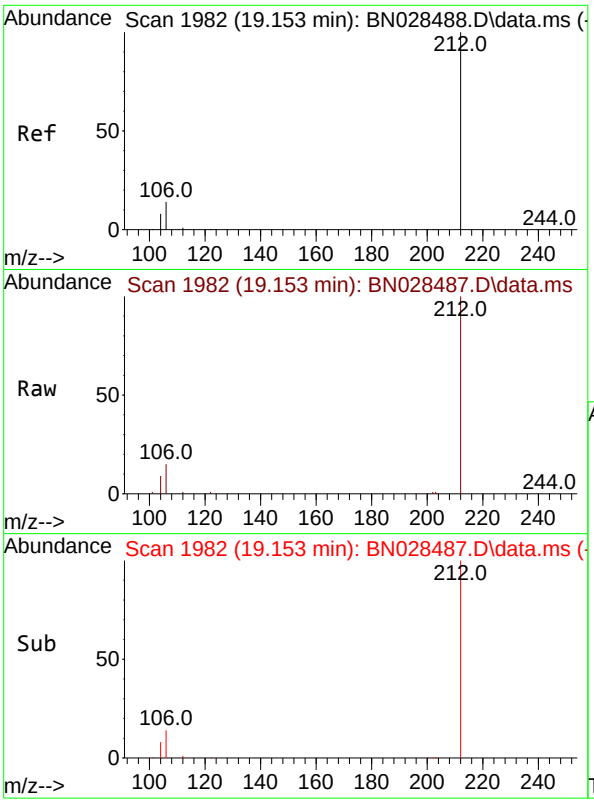


#26
Anthracene
Concen: 0.192 ng
RT: 17.246 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:178 Resp: 20986

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.8	22.2
179	15.2	12.2	18.4



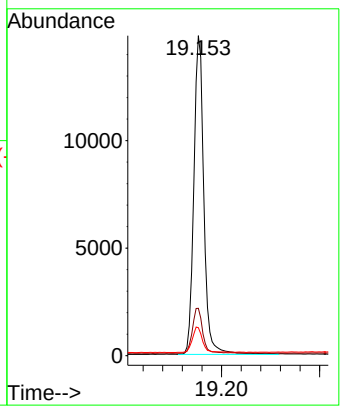


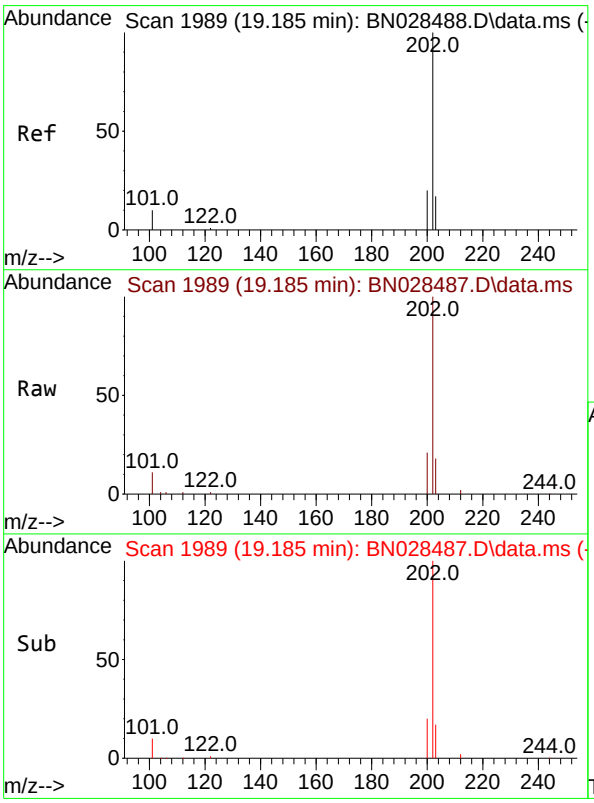
#27
Fluoranthene-d10
Concen: 0.190 ng
RT: 19.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:212 Resp: 20959

Ion	Ratio	Lower	Upper
212	100		
106	14.5	11.5	17.3
104	8.2	6.4	9.6

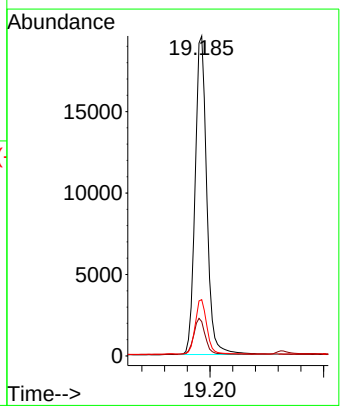


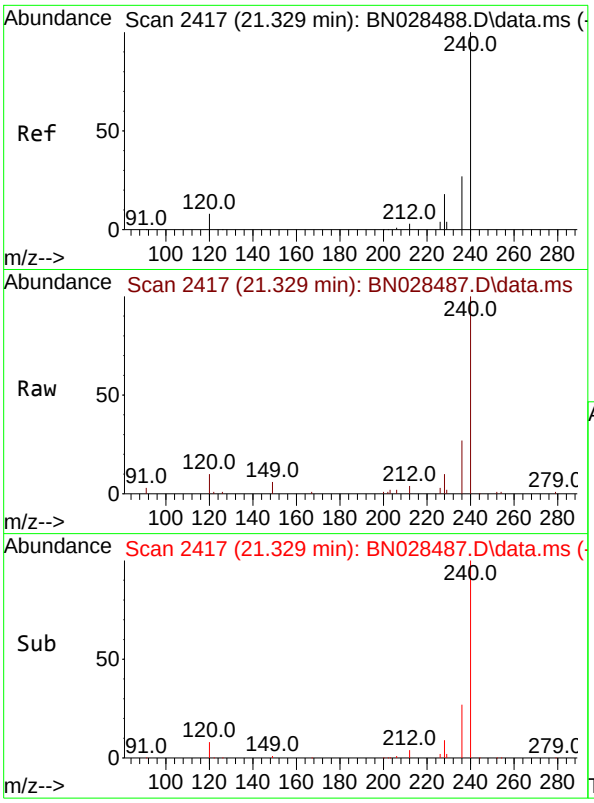


#28
Fluoranthene
Concen: 0.195 ng
RT: 19.185 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:202 Resp: 27867

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.1	13.7
203	17.0	13.7	20.5



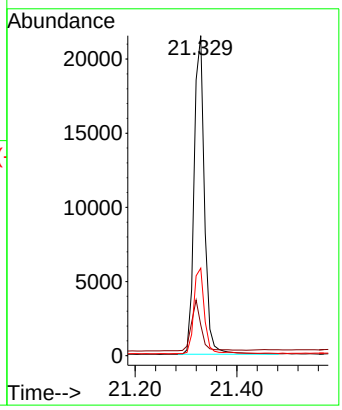


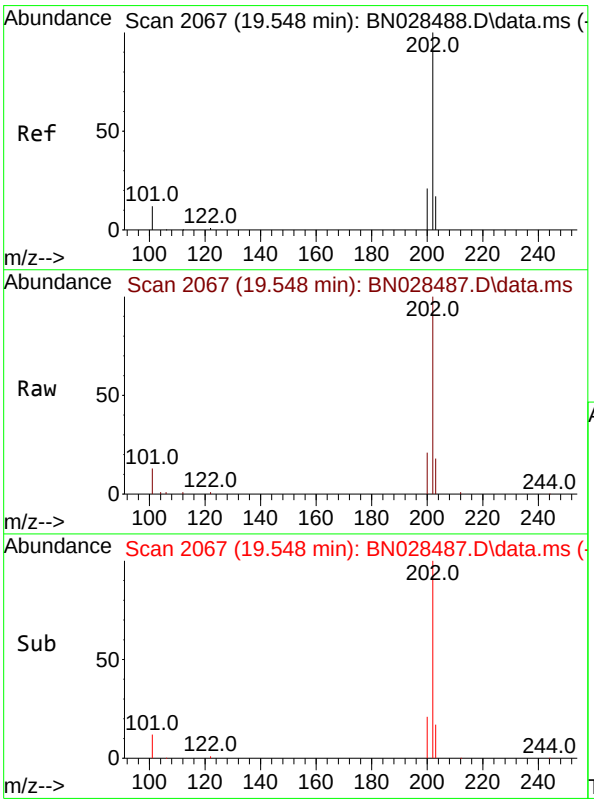
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.329 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:240 Resp: 30362

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.6	11.4
236	27.4	21.9	32.9

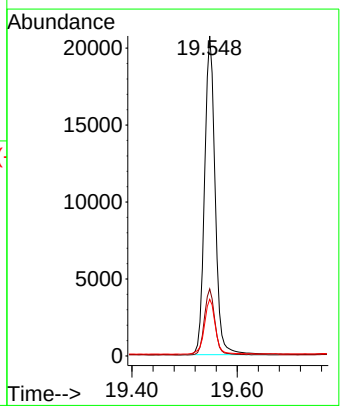


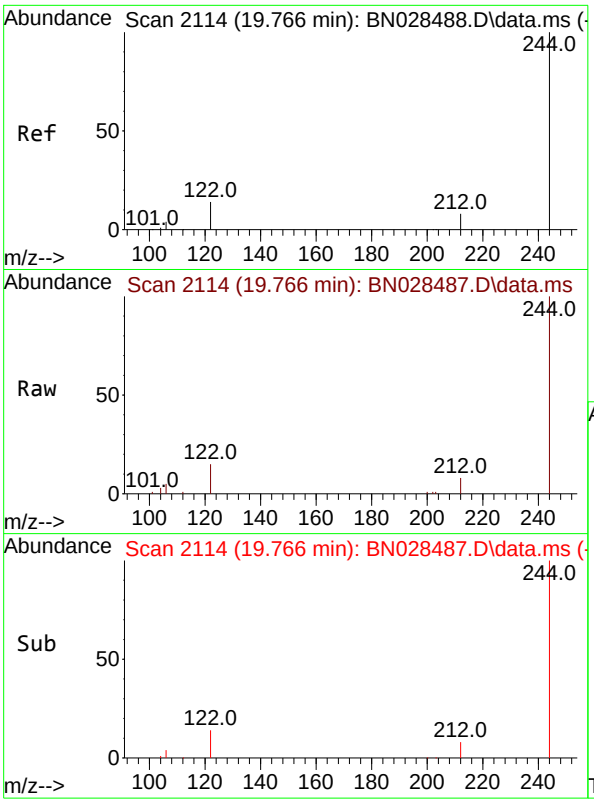


#30
Pyrene
Concen: 0.200 ng
RT: 19.548 min Scan# 2067
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:202 Resp: 28942

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.9	14.3	21.5



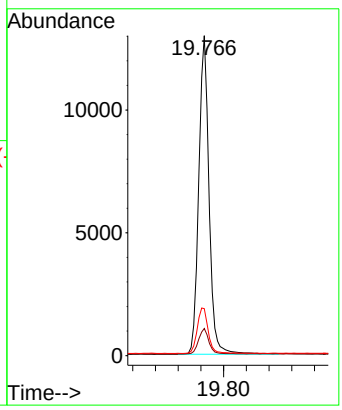


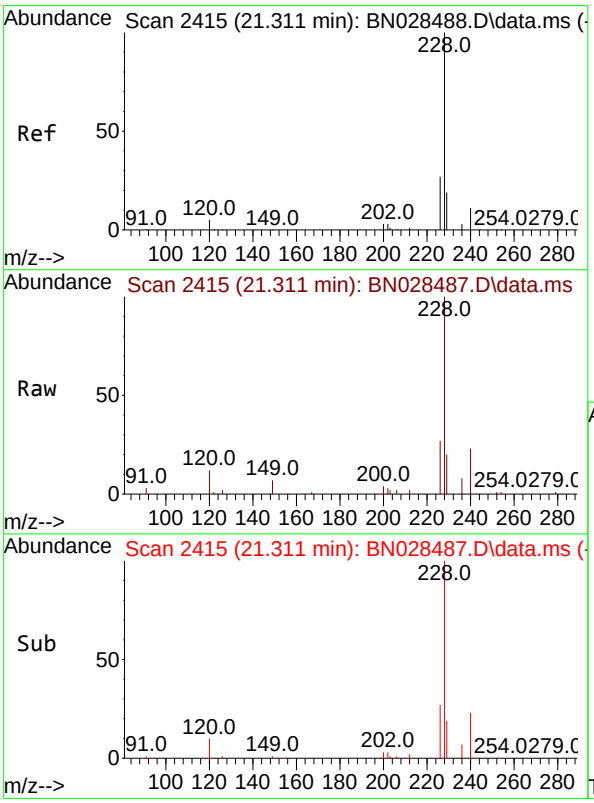
#31
Terphenyl-d14
Concen: 0.202 ng
RT: 19.766 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:244 Resp: 16268

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.6	9.8
122	14.7	11.4	17.2

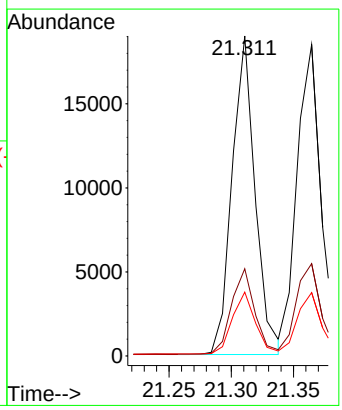


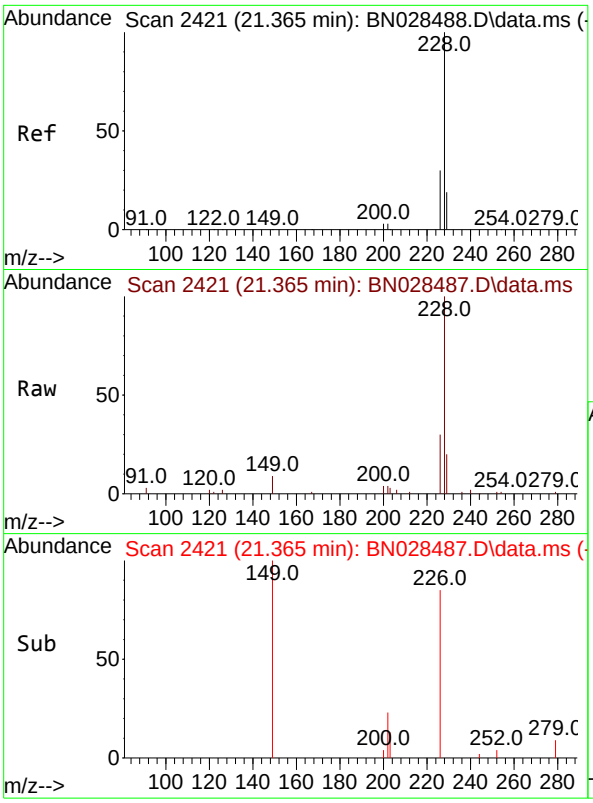


#32
Benzo(a)anthracene
Concen: 0.192 ng
RT: 21.311 min Scan# 2415
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:228 Resp: 24372

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	20.0	15.7	23.5



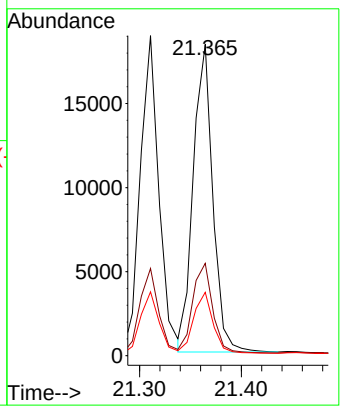


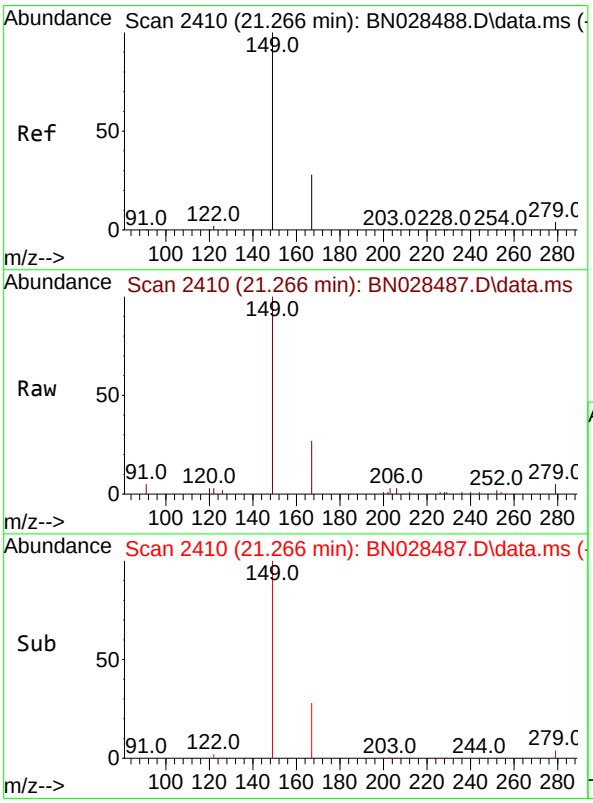
#33
Chrysene
Concen: 0.193 ng
RT: 21.365 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:228 Resp: 24408

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	20.3	15.7	23.5

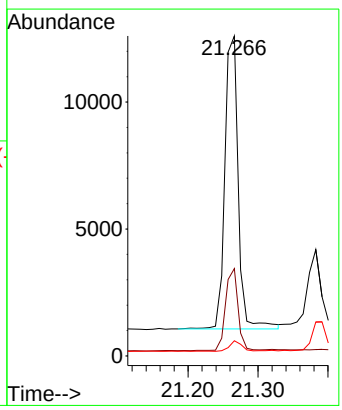


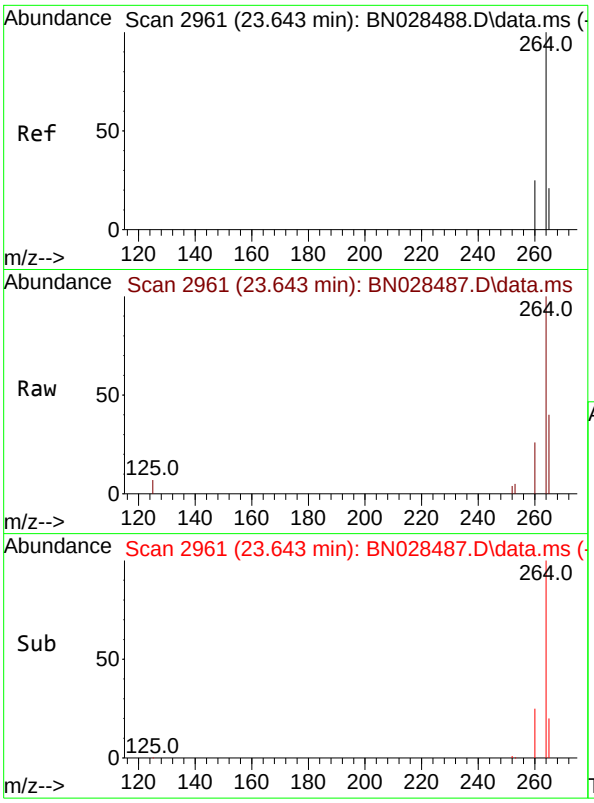


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.195 ng
RT: 21.266 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:149 Resp: 15294

Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.0	31.4
279	3.6	2.6	3.8



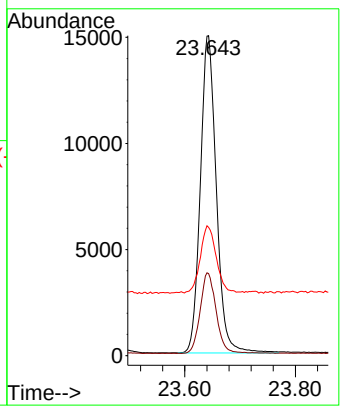


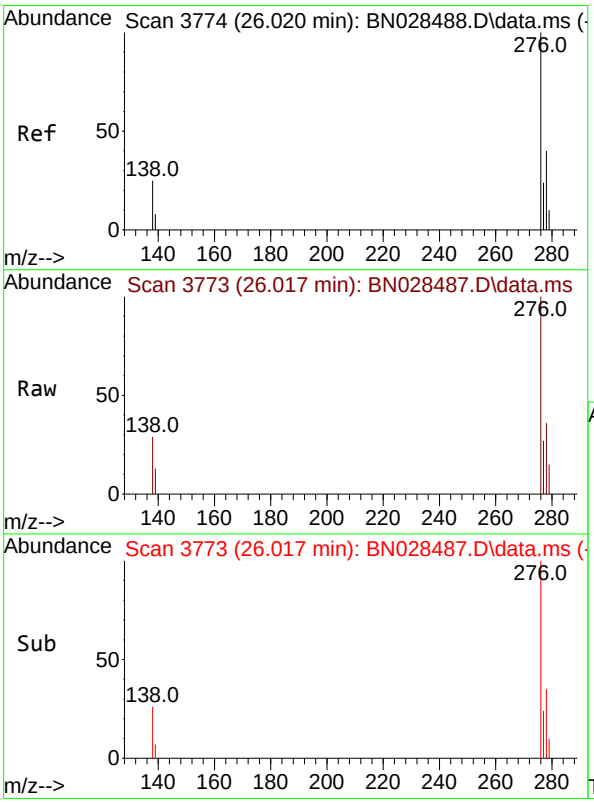
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.643 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:264 Resp: 29996

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.7	31.1
265	40.1	31.6	47.4

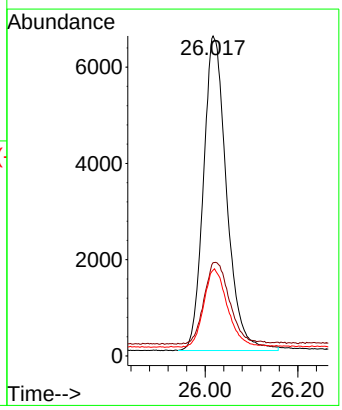


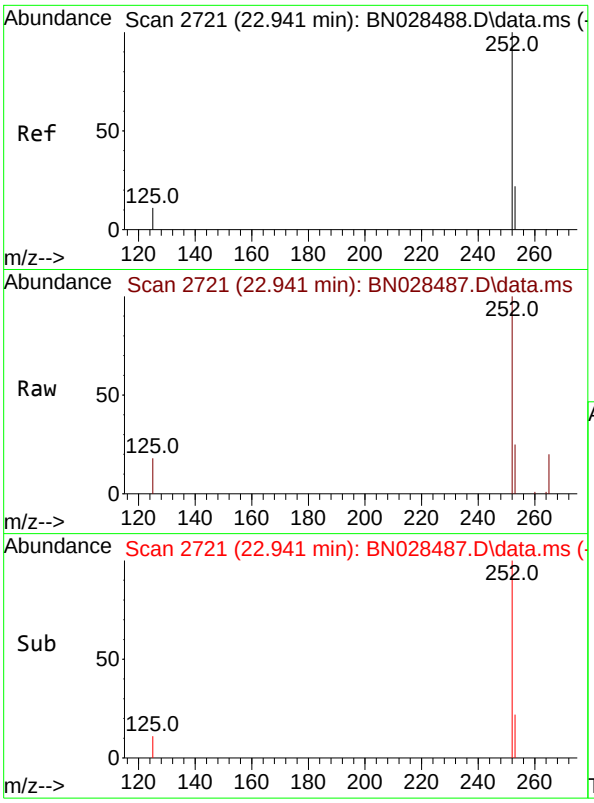


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.188 ng
RT: 26.017 min Scan# 3773
Delta R.T. -0.003 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:276 Resp: 22701

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.4	33.6
277	25.5	19.8	29.6



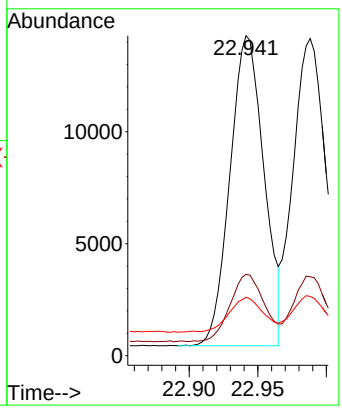


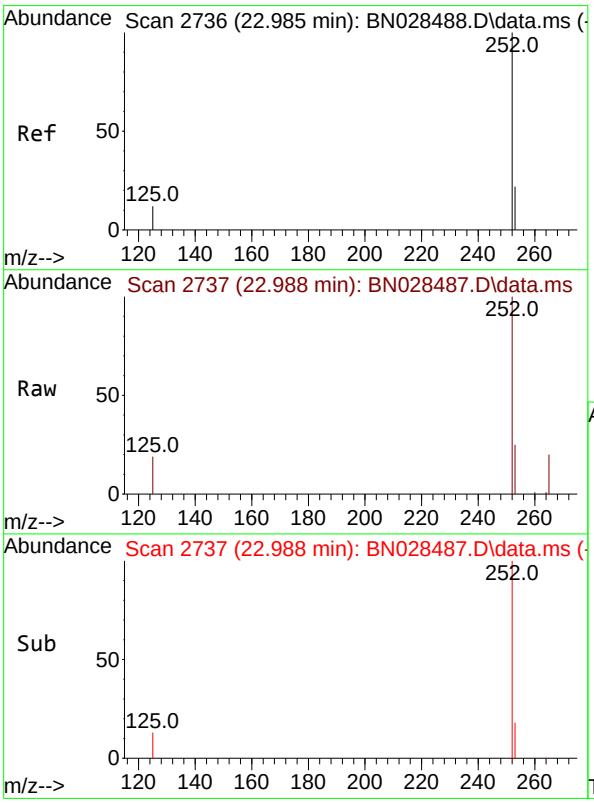
#37
Benzo(b)fluoranthene
Concen: 0.193 ng
RT: 22.941 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 23828

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.6	27.8
125	18.2	11.4	17.0#

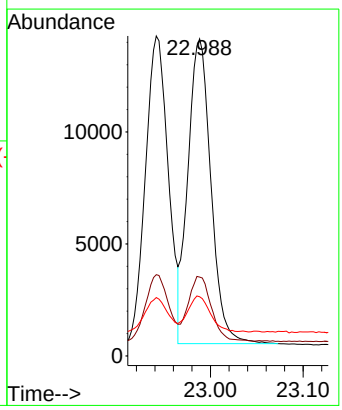


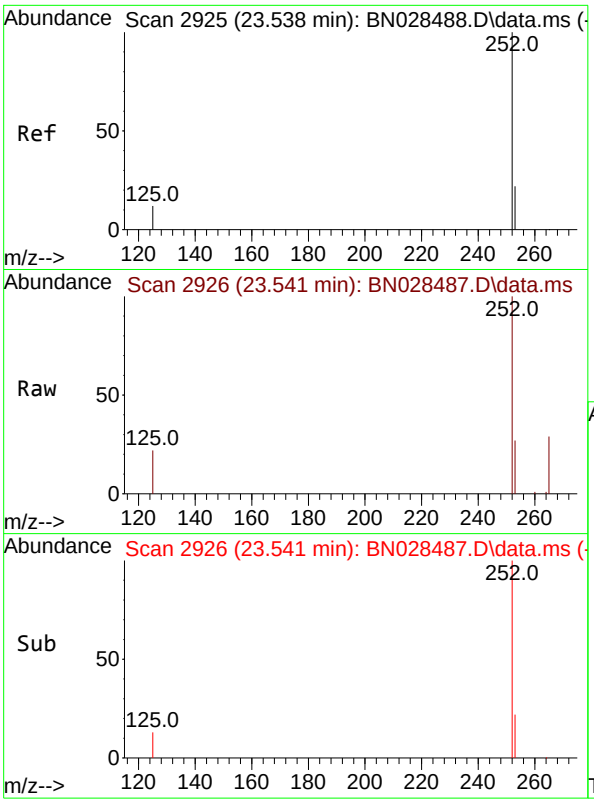


#38
Benzo(k)fluoranthene
Concen: 0.195 ng
RT: 22.988 min Scan# 2737
Delta R.T. 0.003 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:252 Resp: 23528

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.0	28.6
125	18.7	12.0	18.0#



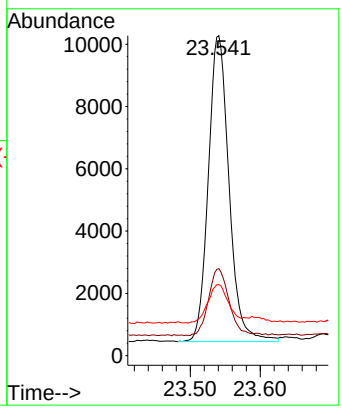


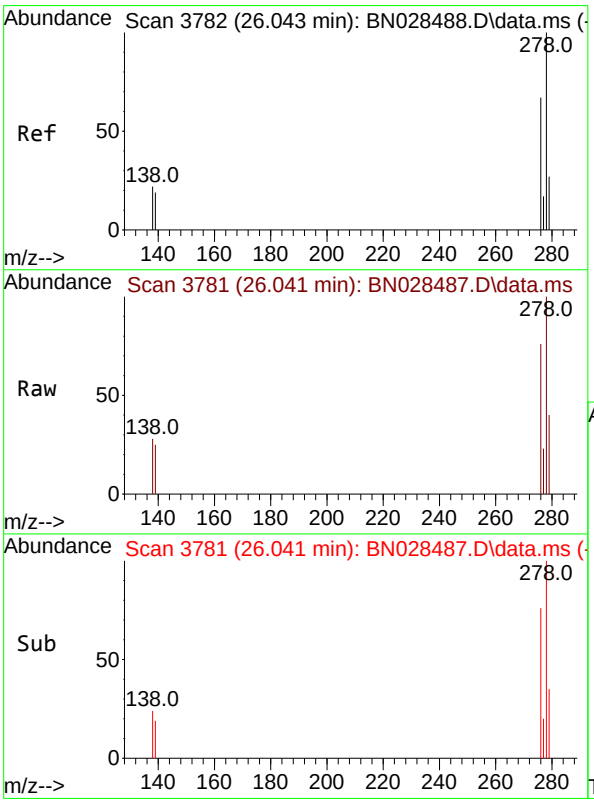
#39
Benzo(a)pyrene
Concen: 0.191 ng
RT: 23.541 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:252 Resp: 20181

Ion	Ratio	Lower	Upper
252	100		
253	27.2	19.3	28.9
125	22.2	13.3	19.9#

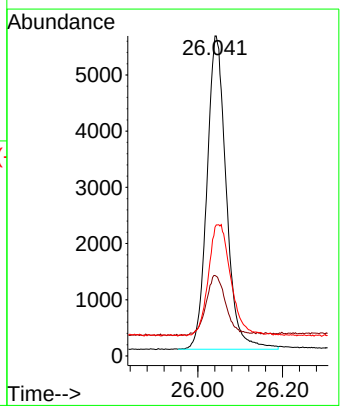


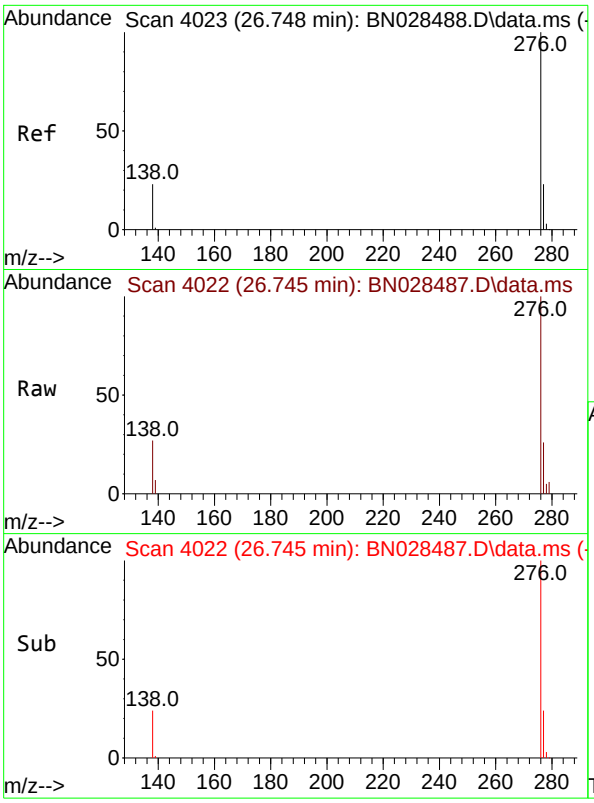


#40
Dibenzo(a,h)anthracene
Concen: 0.187 ng
RT: 26.041 min Scan# 3781
Delta R.T. -0.003 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Tgt Ion:278 Resp: 17652

Ion	Ratio	Lower	Upper
278	100		
139	25.2	17.0	25.6
279	40.2	23.8	35.8#





#41
Benzo(g,h,i)perylene
Concen: 0.192 ng
RT: 26.745 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN028487.D
Acq: 07 Nov 2023 12:01

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.2

Tgt Ion:276 Resp: 20017

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.5	29.3
138	27.4	20.1	30.1