Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028179.D
Acq On : 10 Oct 2023 03:14
Operator : MA/JU
Sample : PB156179BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Quant Time: Oct 10 03:41:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.922	152	4023	0.400	ng		0.00
7) Naphthalene-d8	10.735	136	11383	0.400	ng		0.00
13) Acenaphthene-d10	14.566	164	5369	0.400	ng		0.00
19) Phenanthrene-d10	17.331	188	10364	0.400	ng	#	0.01
29) Chrysene-d12	21.515	240	9110	0.400	ng		0.00
35) Perylene-d12	23.978	264	9333	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.466	112	3764	0.314	ng		0.00
5) Phenol-d6	7.091	99	4294	0.284	ng		0.00
8) Nitrobenzene-d5	9.123	82	3187	0.329	ng		0.00
11) 2-Methylnaphthalene-d10	12.324	152	7199	0.427	ng		0.00
14) 2,4,6-Tribromophenol	16.077	330	586	0.238	ng		0.00
15) 2-Fluorobiphenyl	13.197	172	7384	0.382	ng		0.01
27) Fluoranthene-d10	19.356	212	9280	0.357	ng		0.00
31) Terphenyl-d14	19.946	244	7481	0.352	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.357	88	1471	0.326	ng	#	61
3) n-Nitrosodimethylamine	3.704	42	1956	0.378	ng		92
6) bis(2-Chloroethyl)ether	7.365	93	3718	0.305	ng		90
9) Naphthalene	10.789	128	10816	0.368	ng		99
10) Hexachlorobutadiene	11.002	225	1992	0.381	ng	#	98
12) 2-Methylnaphthalene	12.400	142	6373	0.310	ng		96
16) Acenaphthylene	14.298	152	7923	0.333	ng		100
17) Acenaphthene	14.630	154	5501	0.363	ng		97
18) Fluorene	15.618	166	6834	0.347	ng		98
20) 4,6-Dinitro-2-methylph...	16.797	198	37	0.269	ng	#	70
21) 4-Bromophenyl-phenylether	16.512	248	1836	0.340	ng	#	82
22) Hexachlorobenzene	16.586	284	2210	0.390	ng		95
23) Atrazine	16.797	200	1343	0.285	ng		97
24) Pentachlorophenol	16.971	266	7132	2.671	ng		94
25) Phenanthrene	17.368	178	10126	0.362	ng		99
26) Anthracene	17.468	178	8312	0.315	ng		99
28) Fluoranthene	19.388	202	11165	0.346	ng		99
30) Pyrene	19.755	202	11455	0.343	ng		99
32) Benzo(a)anthracene	21.497	228	9884	0.319	ng		99
33) Chrysene	21.551	228	11491	0.385	ng		99
34) Bis(2-ethylhexyl)phtha...	21.372	149	4538	0.223	ng		97
36) Indeno(1,2,3-cd)pyrene	26.563	276	13654	0.435	ng		99
37) Benzo(b)fluoranthene	23.212	252	11463	0.380	ng		97
38) Benzo(k)fluoranthene	23.265	252	11121	0.364	ng		96
39) Benzo(a)pyrene	23.870	252	9486	0.333	ng		94
40) Dibenzo(a,h)anthracene	26.577	278	11126	0.433	ng		98
41) Benzo(g,h,i)perylene	27.372	276	11992	0.455	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028179.D
Acq On : 10 Oct 2023 03:14
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Sample : PB156179BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
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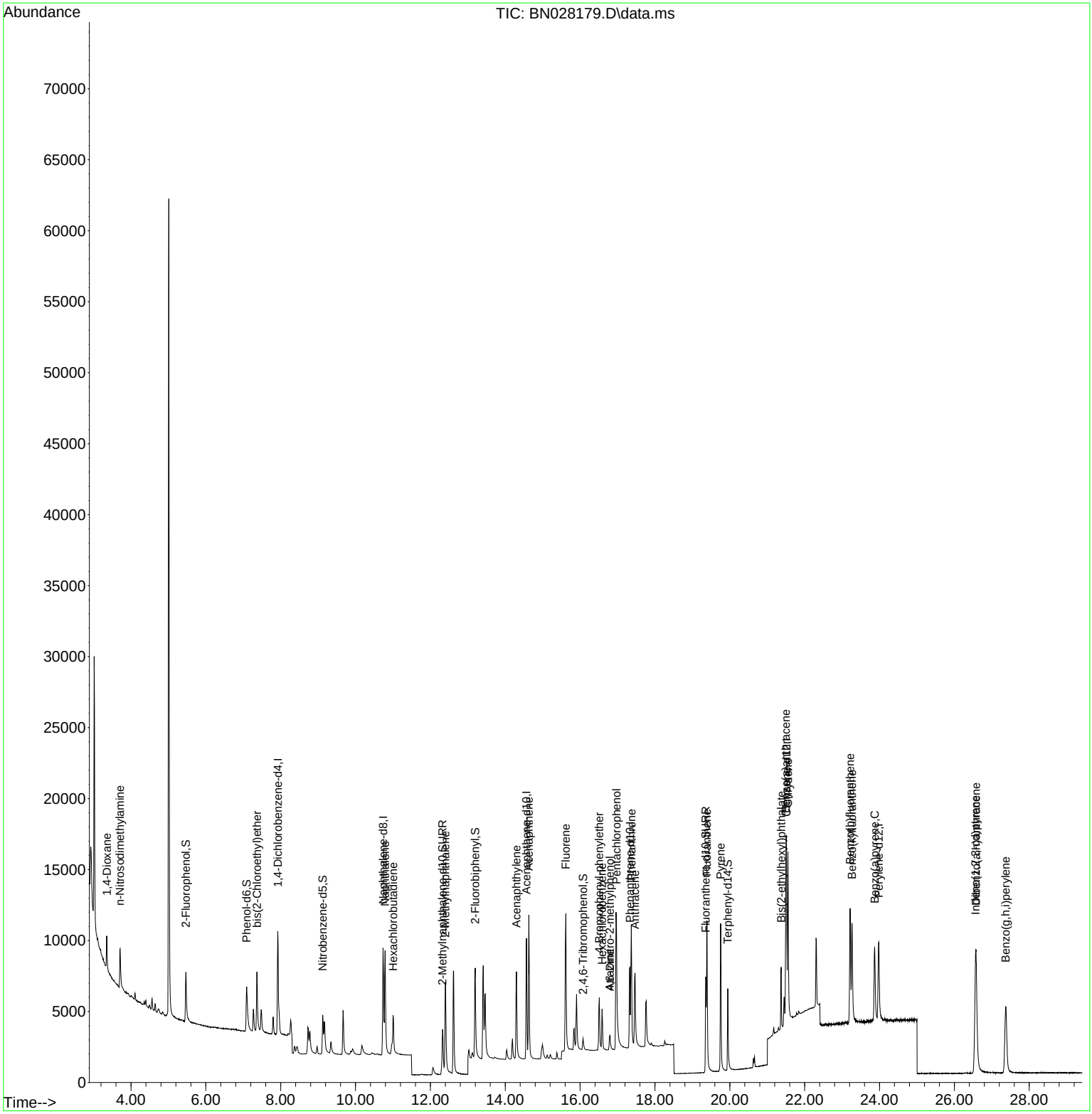
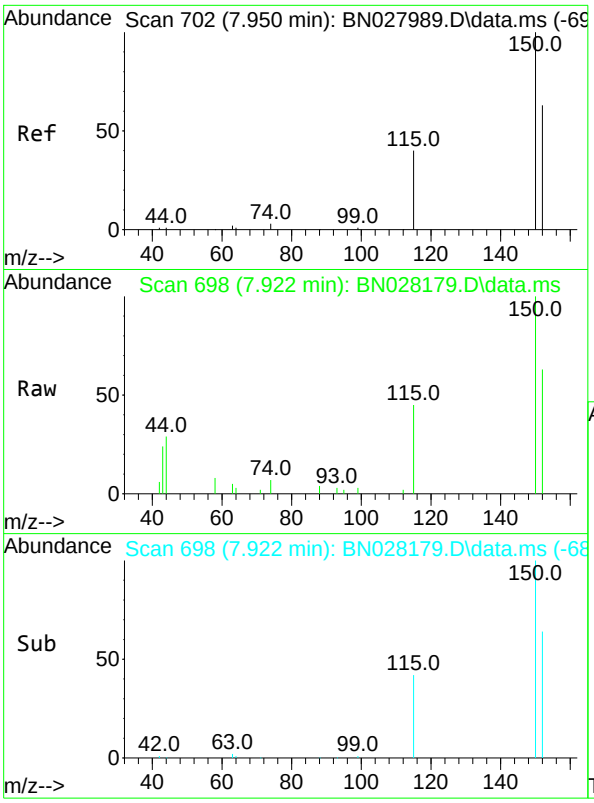
Quant Time: Oct 10 03:41:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 10 00:42:22 2023
Response via : Initial Calibration



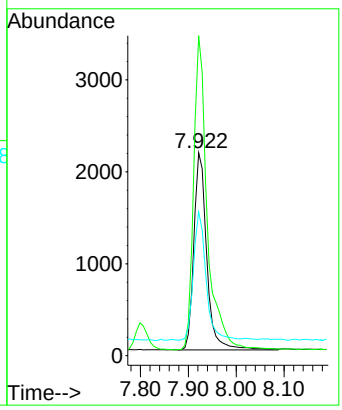


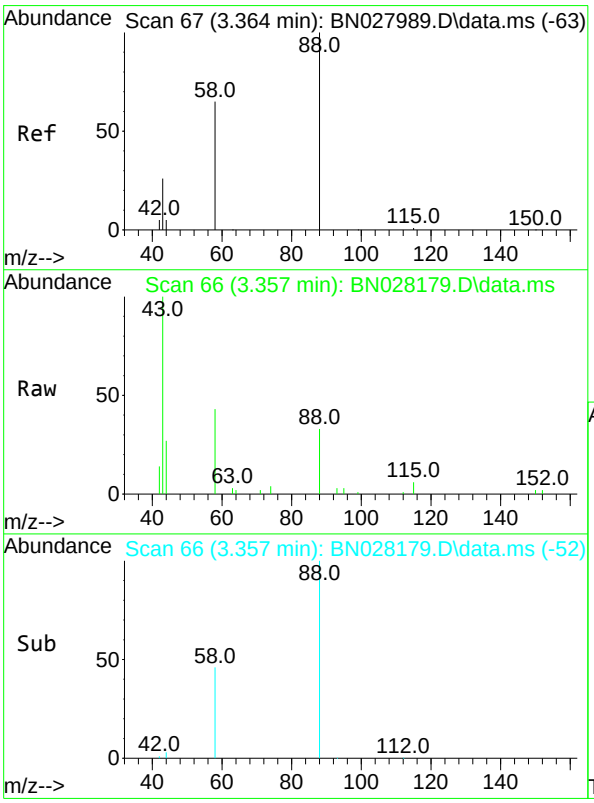
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:152 Resp: 4023

Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.6	188.4
115	70.9	54.8	82.2

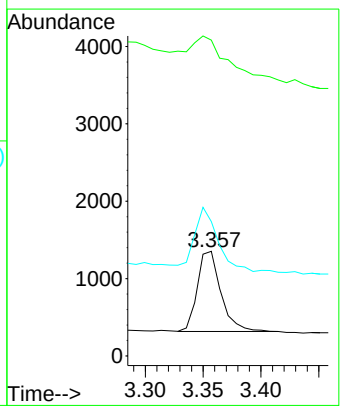


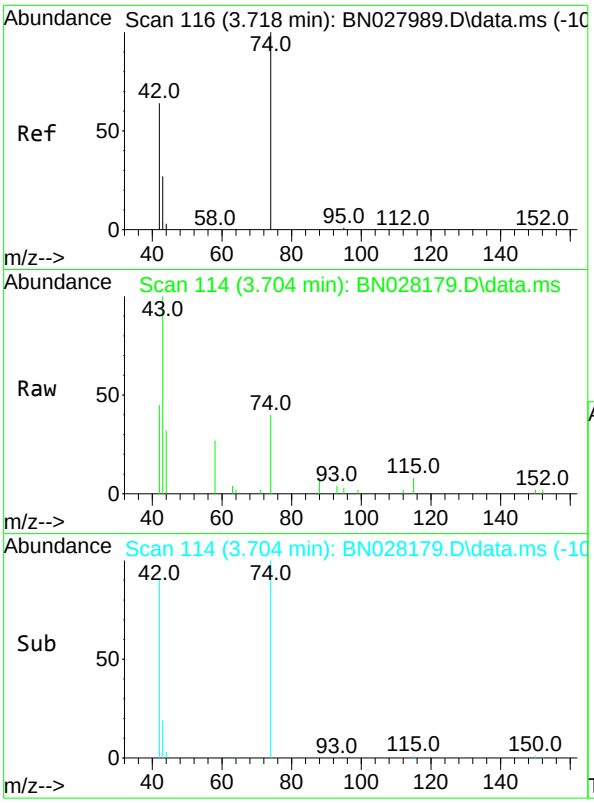


#2
1,4-Dioxane
Concen: 0.326 ng
RT: 3.357 min Scan# 66
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion: 88 Resp: 1471

Ion	Ratio	Lower	Upper
88	100		
43	75.1	24.6	36.8#
58	82.6	53.8	80.6#



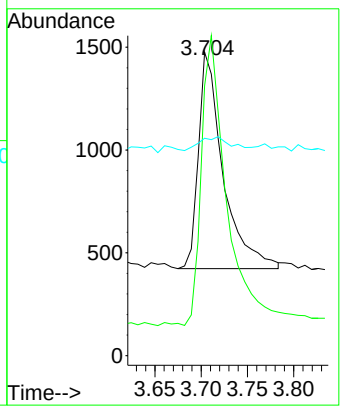


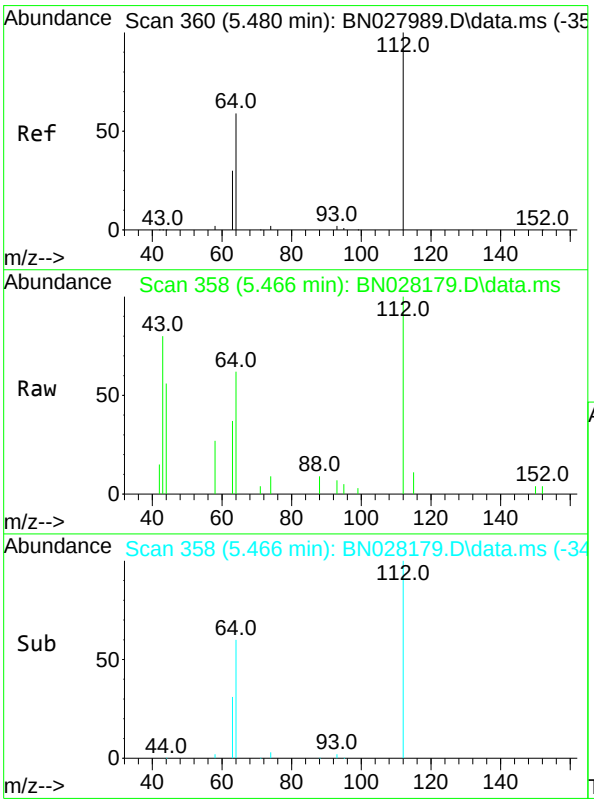
#3
n-Nitrosodimethylamine
Concen: 0.378 ng
RT: 3.704 min Scan# 11
Delta R.T. -0.007 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion: 42 Resp: 1956

Ion	Ratio	Lower	Upper
42	100		
74	134.0	115.9	173.9
44	8.5	8.0	12.0

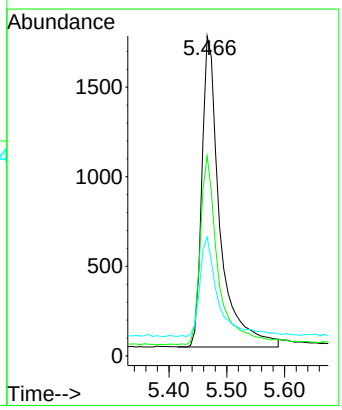


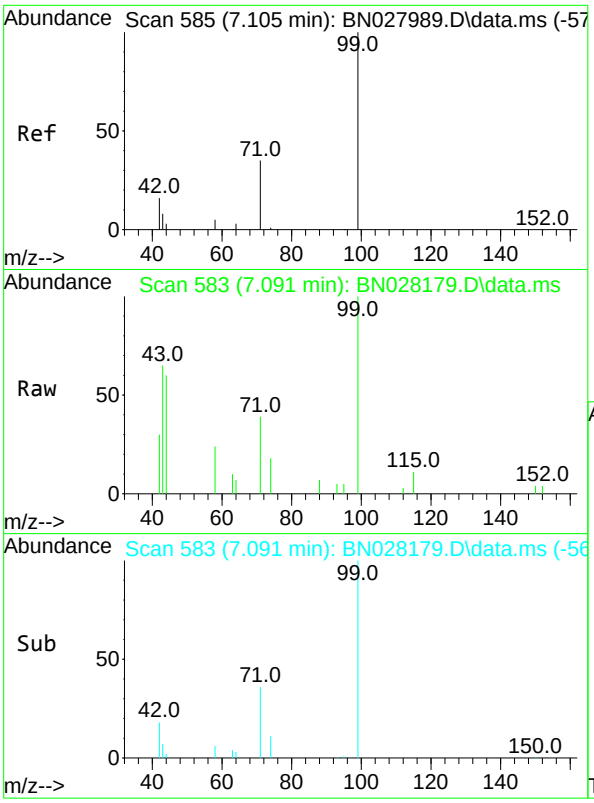


#4
2-Fluorophenol
Concen: 0.314 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:112 Resp: 3764

Ion	Ratio	Lower	Upper
112	100		
64	59.8	45.0	67.6
63	32.4	23.4	35.0



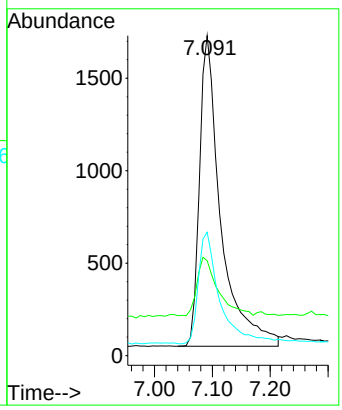


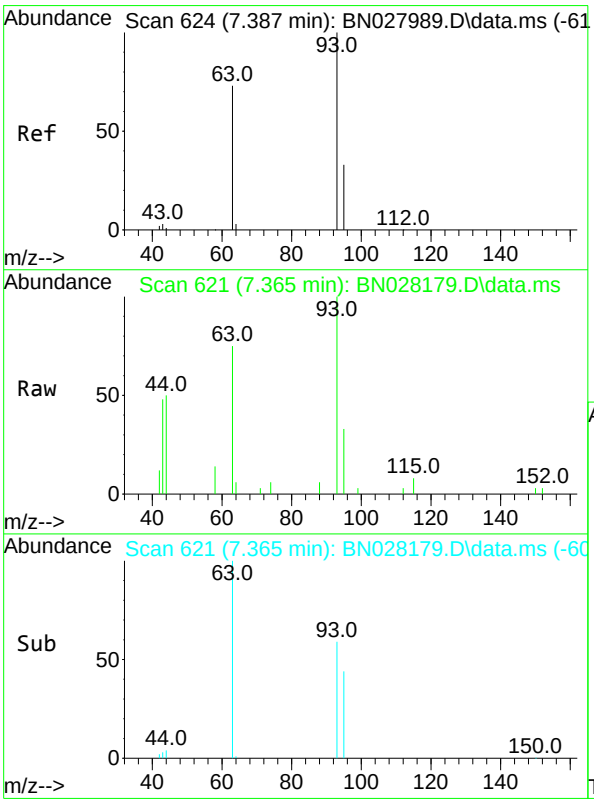
#5
Phenol-d6
Concen: 0.284 ng
RT: 7.091 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion: 99 Resp: 4294

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.6	22.0
71	36.2	28.3	42.5

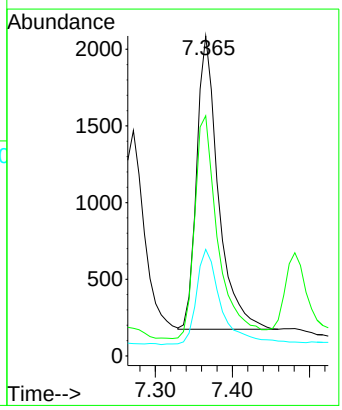


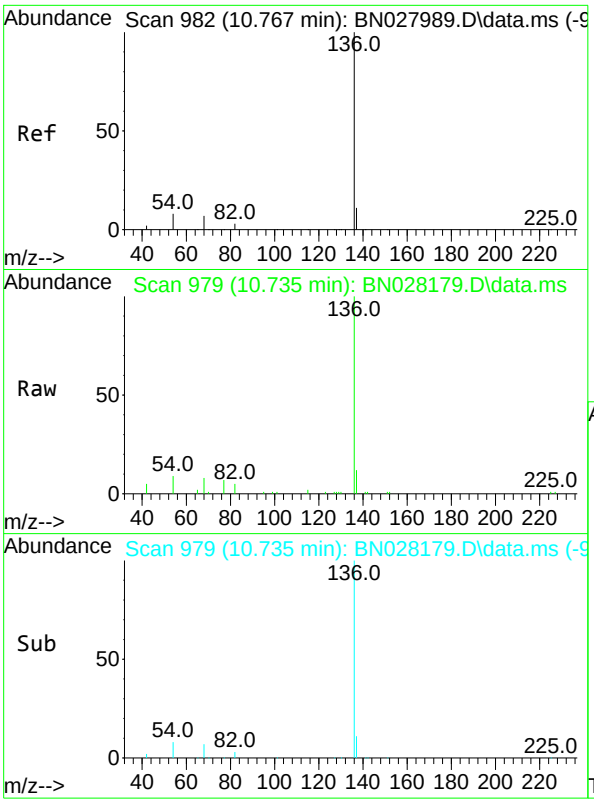


#6
bis(2-Chloroethyl)ether
Concen: 0.305 ng
RT: 7.365 min Scan# 621
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion: 93 Resp: 3718

Ion	Ratio	Lower	Upper
93	100		
63	82.4	58.8	88.2
95	38.0	26.6	39.8



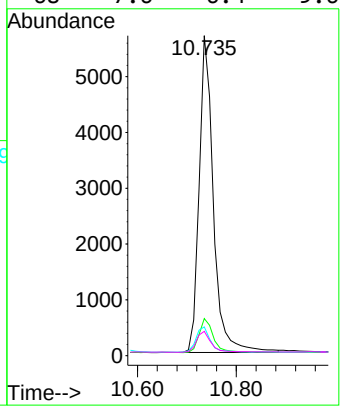


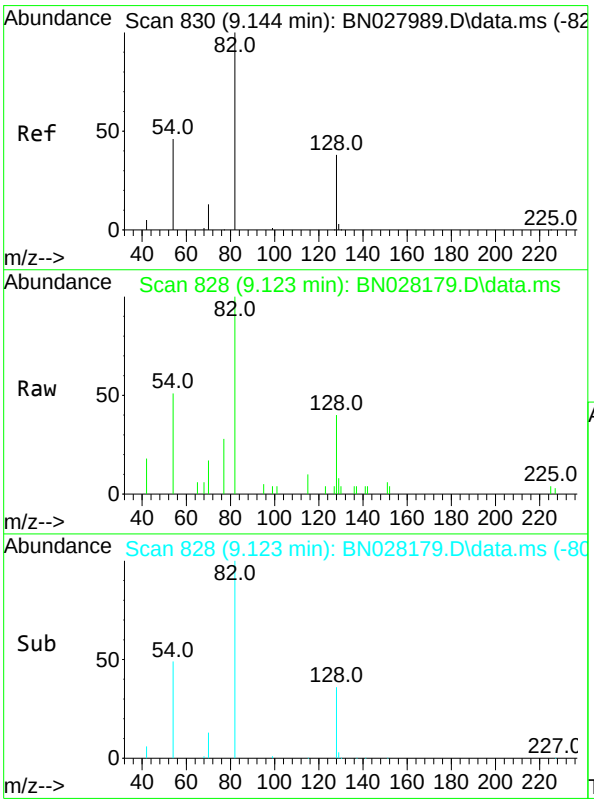
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:136 Resp: 11383

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	9.0	7.0	10.6
68	7.6	6.4	9.6

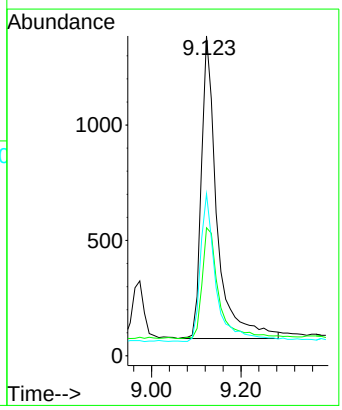


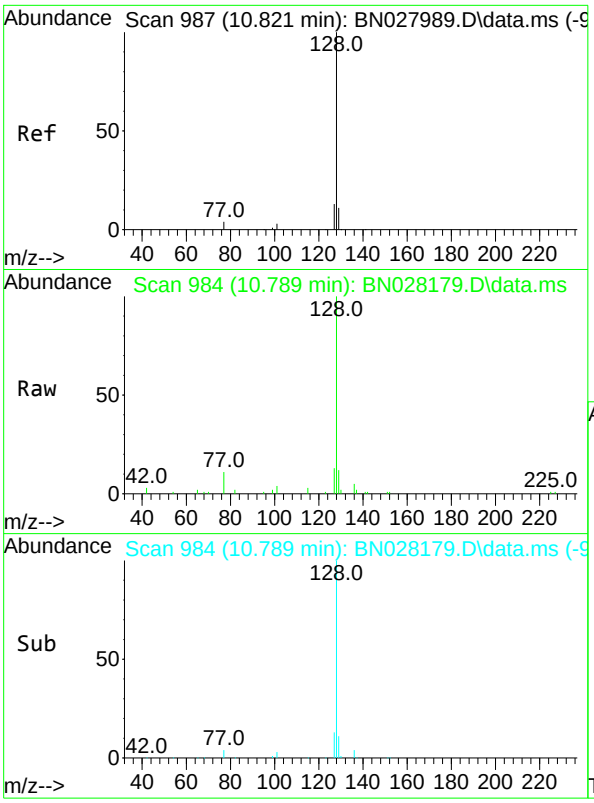


#8
Nitrobenzene-d5
Concen: 0.329 ng
RT: 9.123 min Scan# 828
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion: 82 Resp: 3187

Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.7	49.1
54	50.6	38.7	58.1



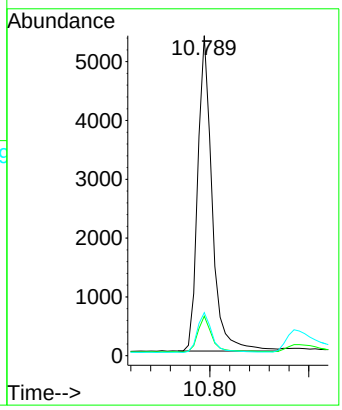


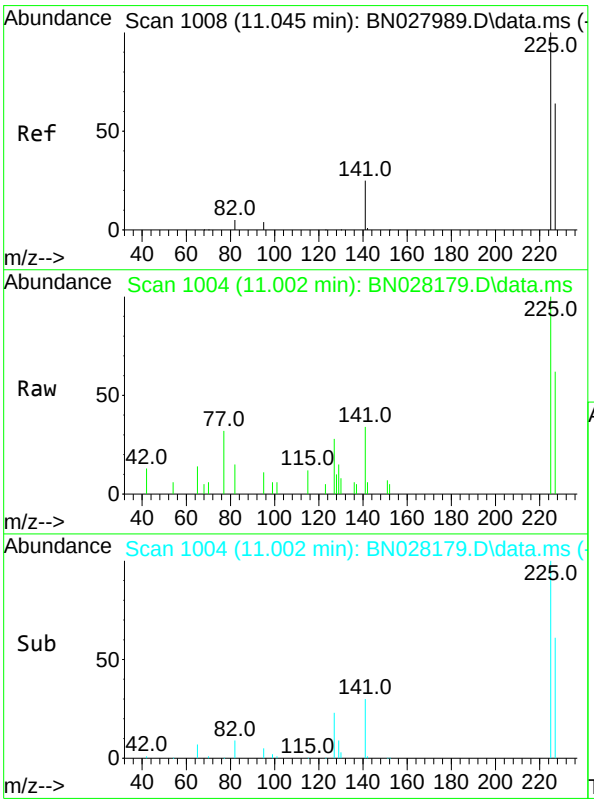
#9
Naphthalene
Concen: 0.368 ng
RT: 10.789 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:128 Resp: 10816

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.4	14.2
127	13.5	10.9	16.3

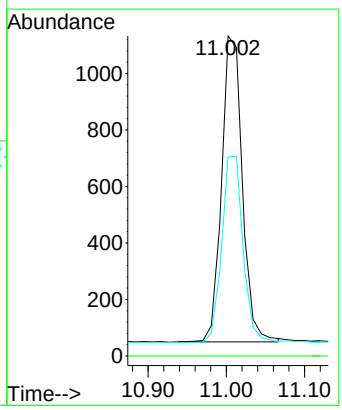


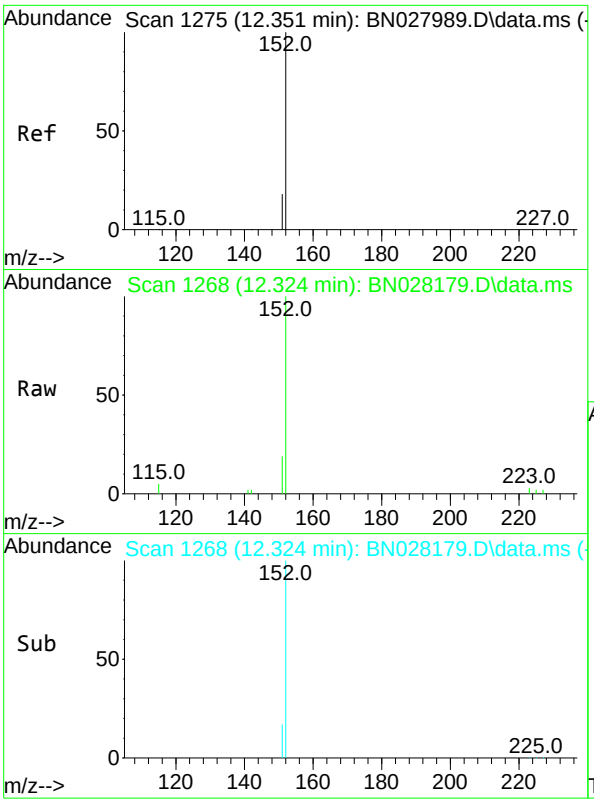


#10
Hexachlorobutadiene
Concen: 0.381 ng
RT: 11.002 min Scan# 1004
Delta R.T. -0.011 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:225 Resp: 1992

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.5	51.3	76.9



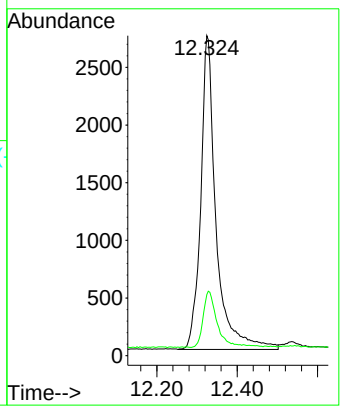


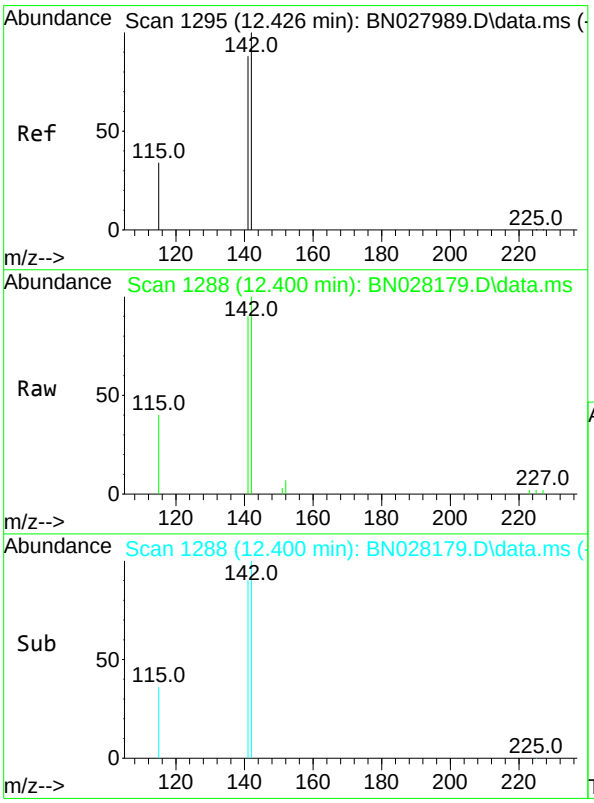
#11
2-Methylnaphthalene-d10
Concen: 0.427 ng
RT: 12.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:152 Resp: 7199

Ion	Ratio	Lower	Upper
152	100		
151	15.9	16.5	24.7#

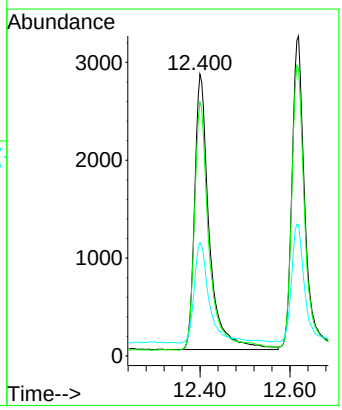


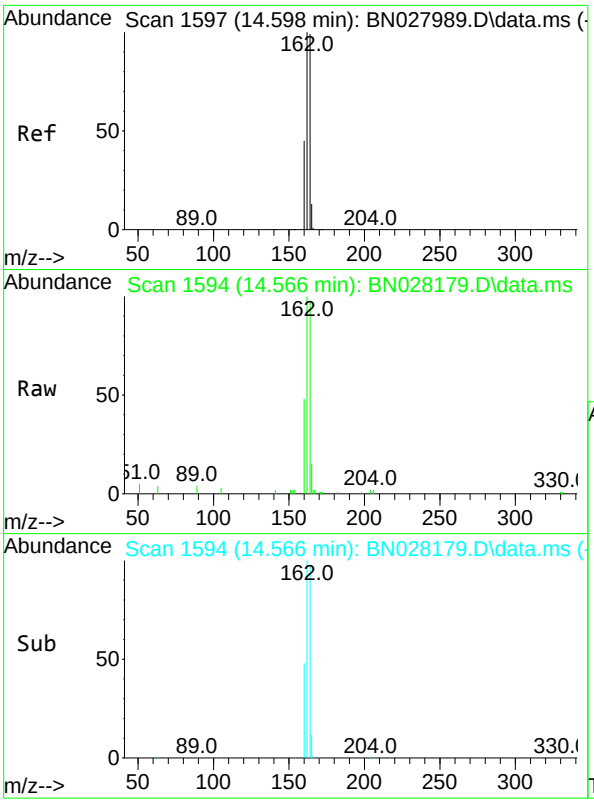


#12
2-Methylnaphthalene
Concen: 0.310 ng
RT: 12.400 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:142 Resp: 6373

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.7	106.1
115	40.2	28.6	42.8



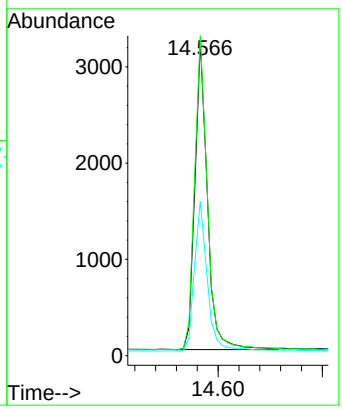


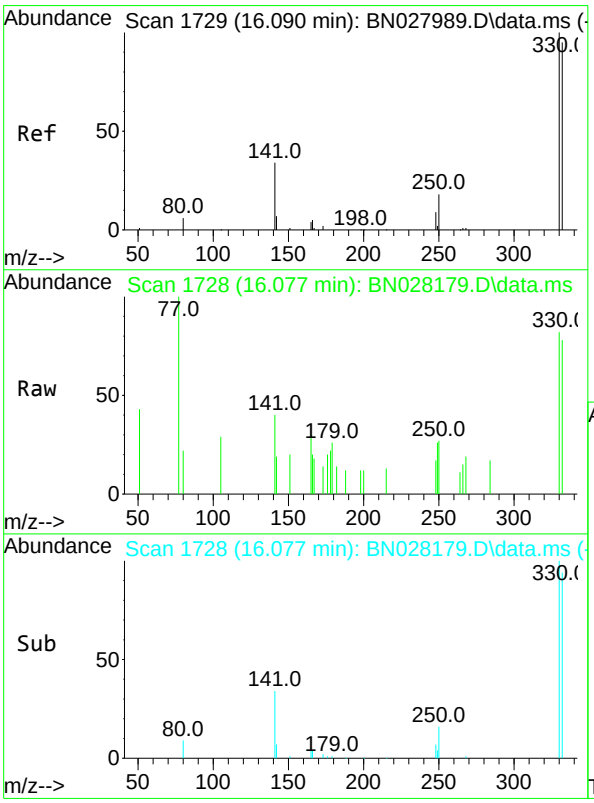
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:164 Resp: 5369

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.8	121.2
160	49.2	36.4	54.6

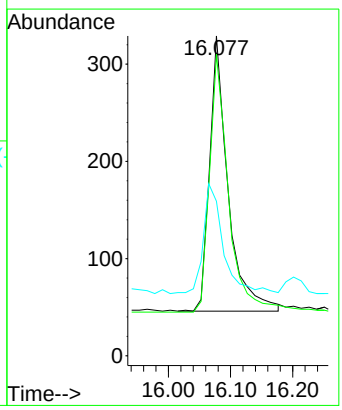


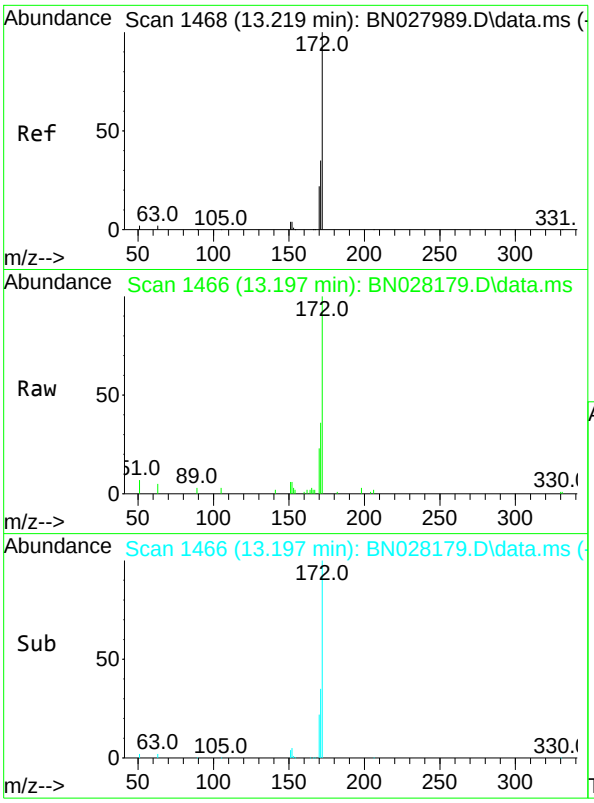


#14
2,4,6-Tribromophenol
Concen: 0.238 ng
RT: 16.077 min Scan# 1728
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:330 Resp: 586

Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.1	117.1
141	43.0	33.4	50.2



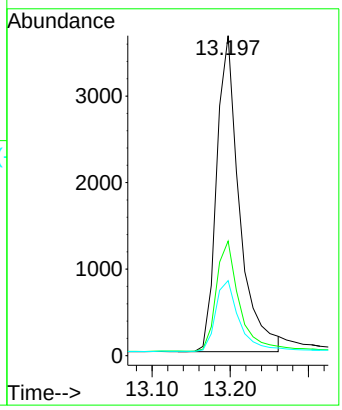


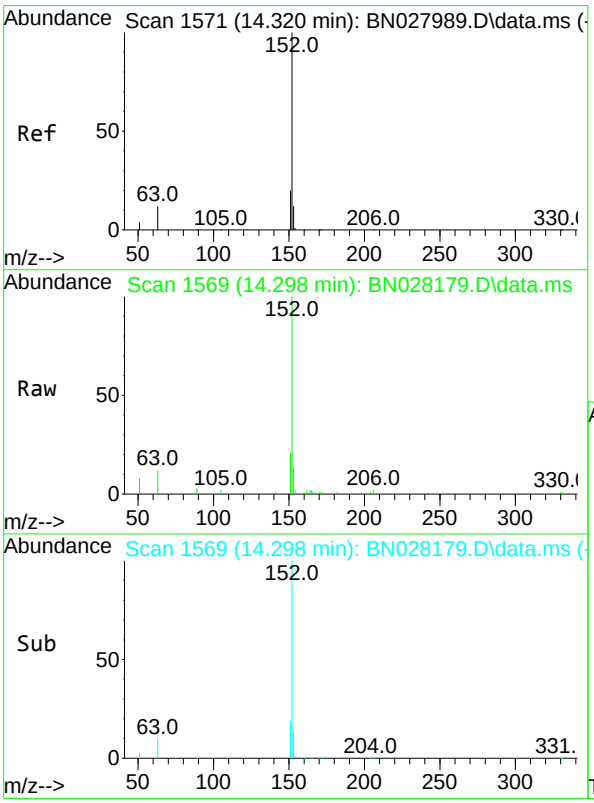
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 13.197 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:172 Resp: 7384

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.1	42.1
170	23.5	18.4	27.6

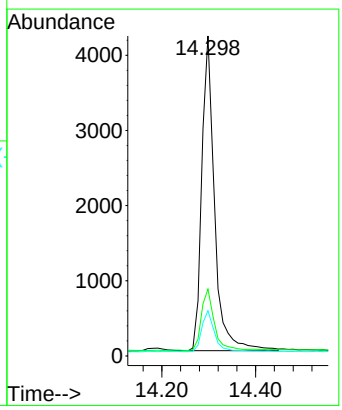


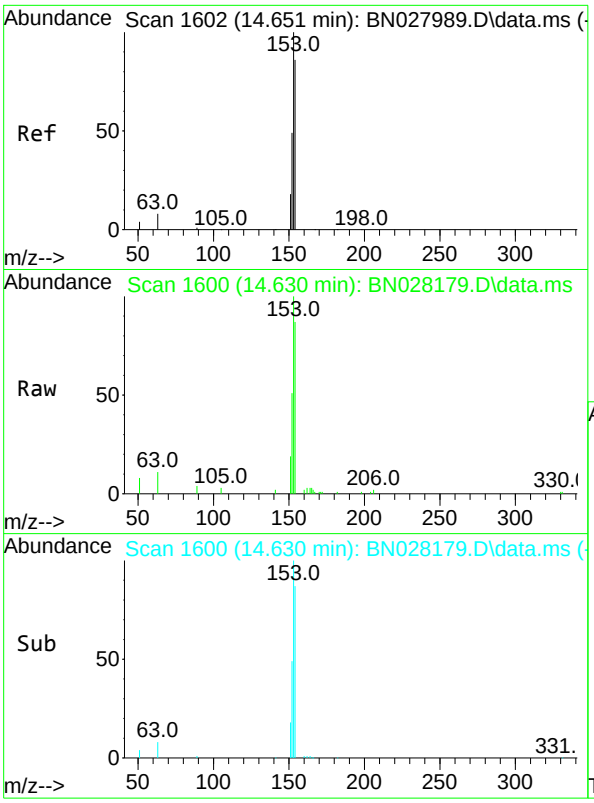


#16
Acenaphthylene
Concen: 0.333 ng
RT: 14.298 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:152 Resp: 7923

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.2	15.4



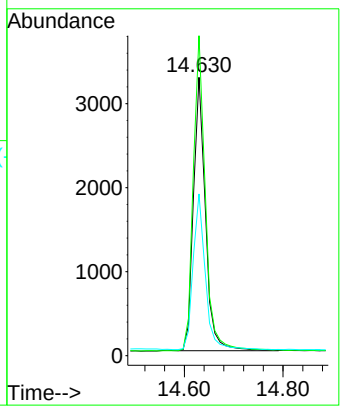


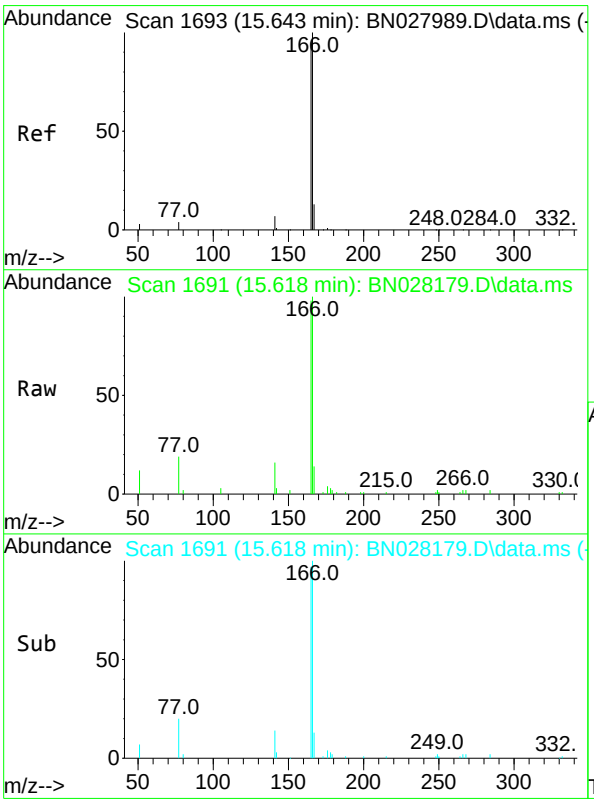
#17
Acenaphthene
Concen: 0.363 ng
RT: 14.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:154 Resp: 5501

Ion	Ratio	Lower	Upper
154	100		
153	115.8	90.8	136.2
152	57.8	43.9	65.9

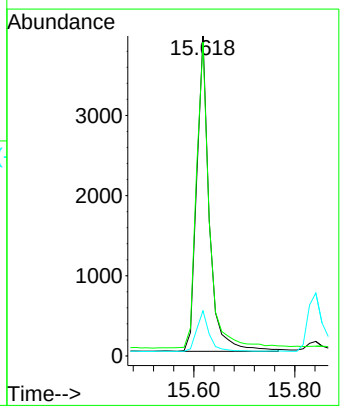


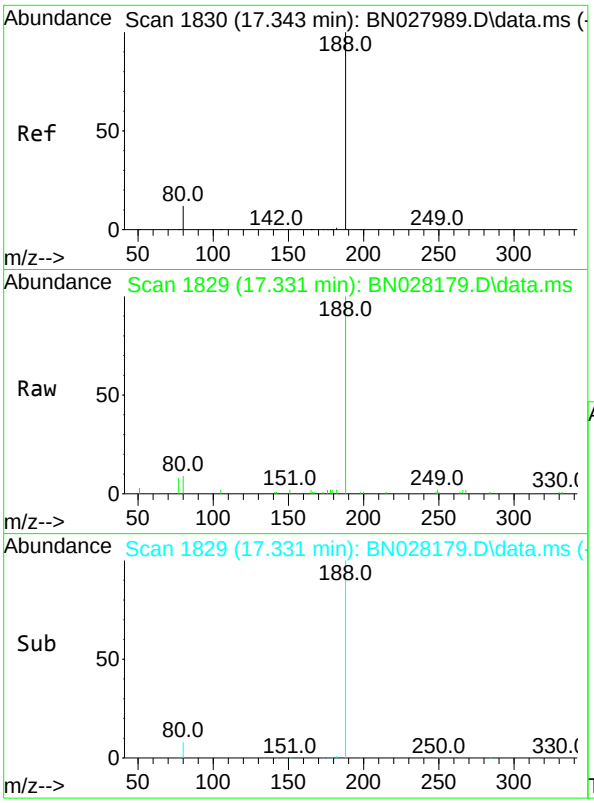


#18
Fluorene
Concen: 0.347 ng
RT: 15.618 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:166 Resp: 6834

Ion	Ratio	Lower	Upper
166	100		
165	99.8	77.8	116.8
167	12.6	10.7	16.1



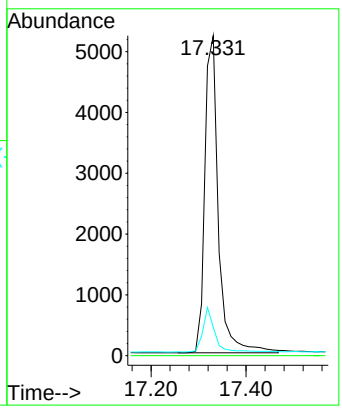


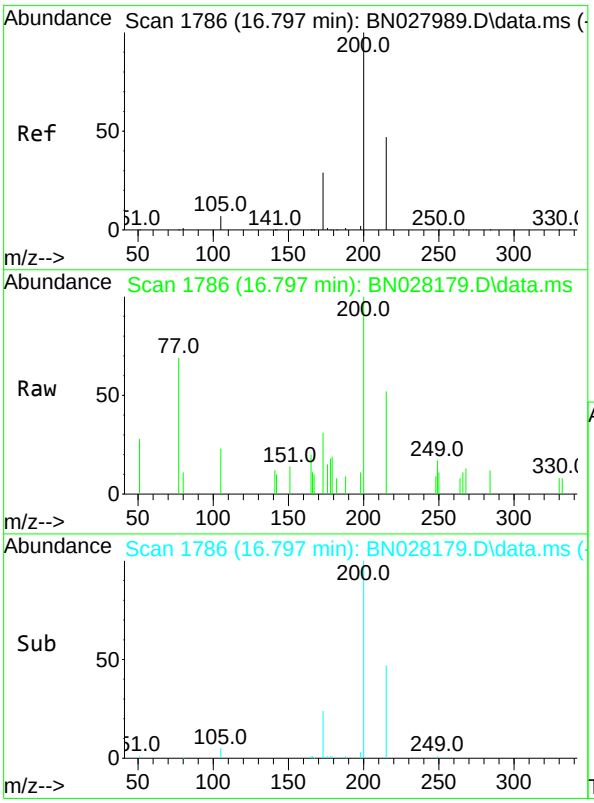
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.331 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:188 Resp: 10364

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	10.2	15.4#

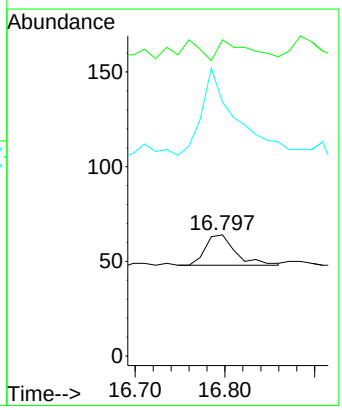


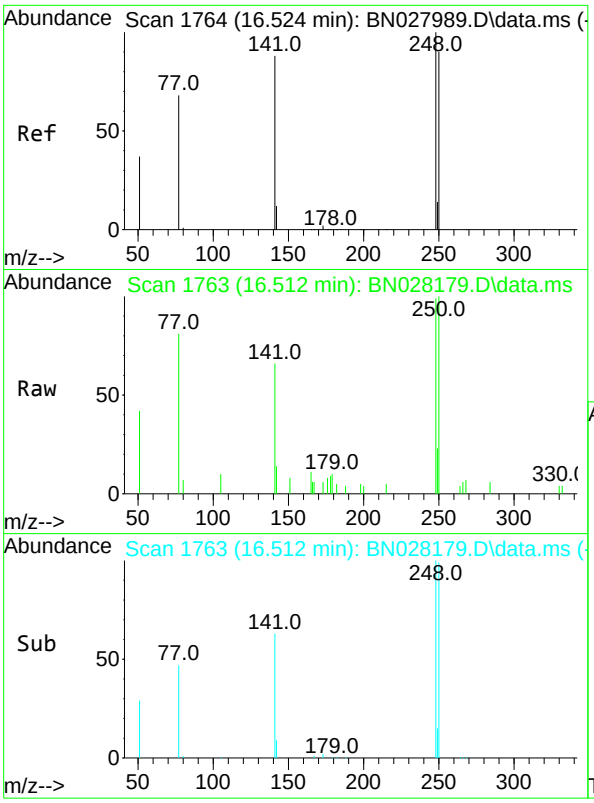


#20
4,6-Dinitro-2-methylphenol
Concen: 0.269 ng
RT: 16.797 min Scan# 1786
Delta R.T. 0.012 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:198 Resp: 37

Ion	Ratio	Lower	Upper
198	100		
51	260.9	180.7	271.1
105	209.4	222.2	333.2#



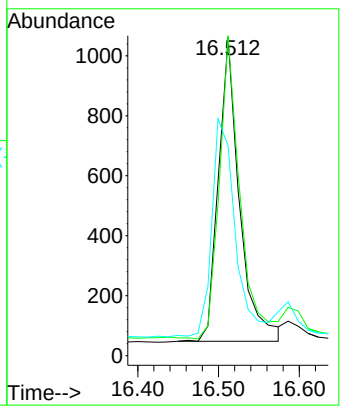


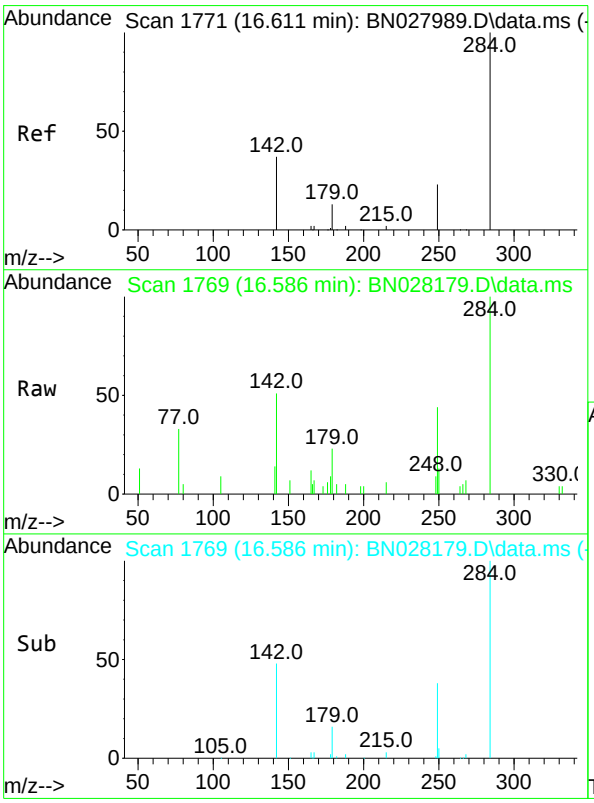
#21
4-Bromophenyl-phenylether
Concen: 0.340 ng
RT: 16.512 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:248 Resp: 1836

Ion	Ratio	Lower	Upper
248	100		
250	100.6	72.3	108.5
141	65.9	71.8	107.6#

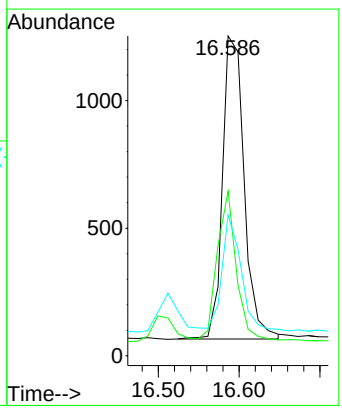


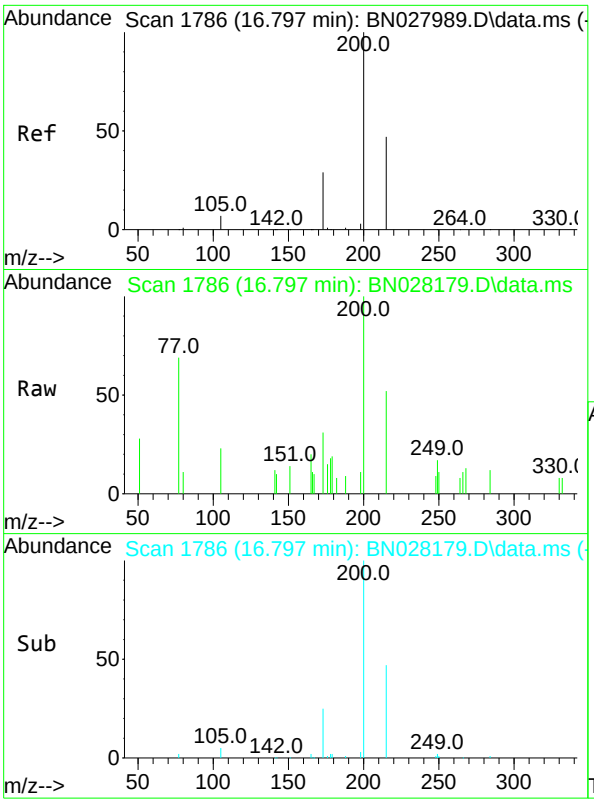


#22
Hexachlorobenzene
Concen: 0.390 ng
RT: 16.586 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:284 Resp: 2210

Ion	Ratio	Lower	Upper
284	100		
142	42.7	29.9	44.9
249	31.9	25.0	37.4



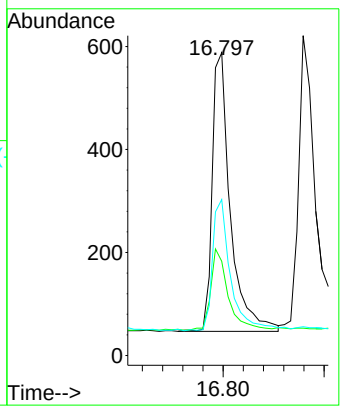


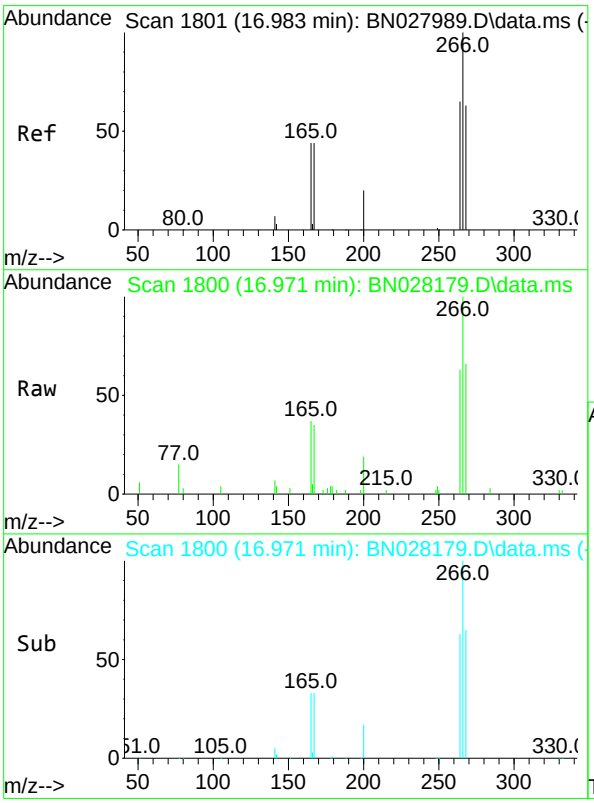
#23
Atrazine
Concen: 0.285 ng
RT: 16.797 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:200 Resp: 1343

Ion	Ratio	Lower	Upper
200	100		
173	31.1	24.7	37.1
215	51.5	39.0	58.6

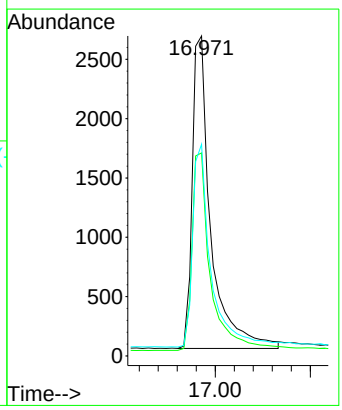


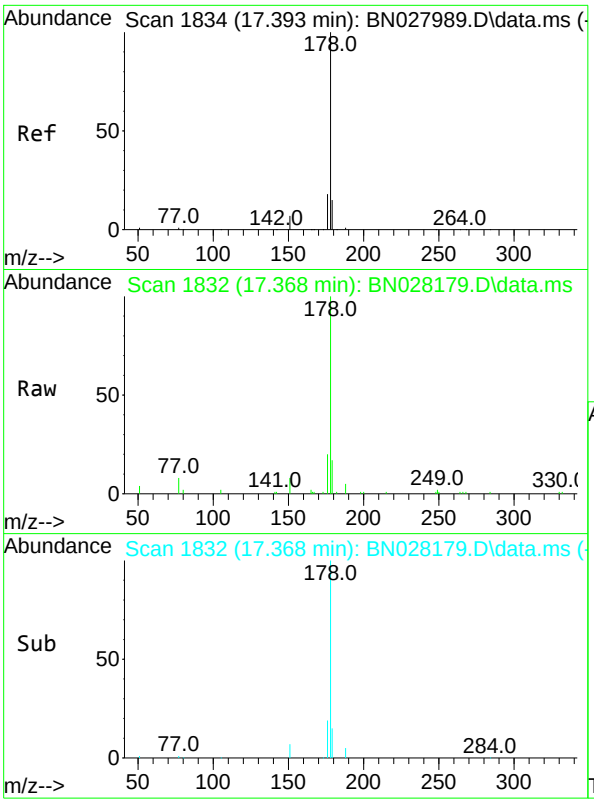


#24
Pentachlorophenol
Concen: 2.671 ng
RT: 16.971 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:266 Resp: 7132

Ion	Ratio	Lower	Upper
266	100		
264	62.9	52.7	79.1
268	63.7	56.2	84.2



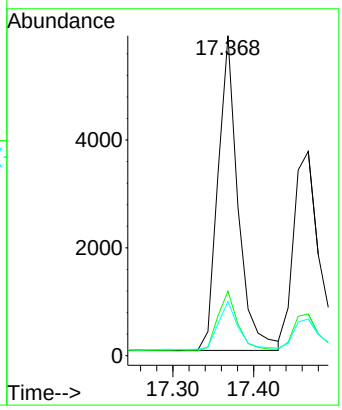


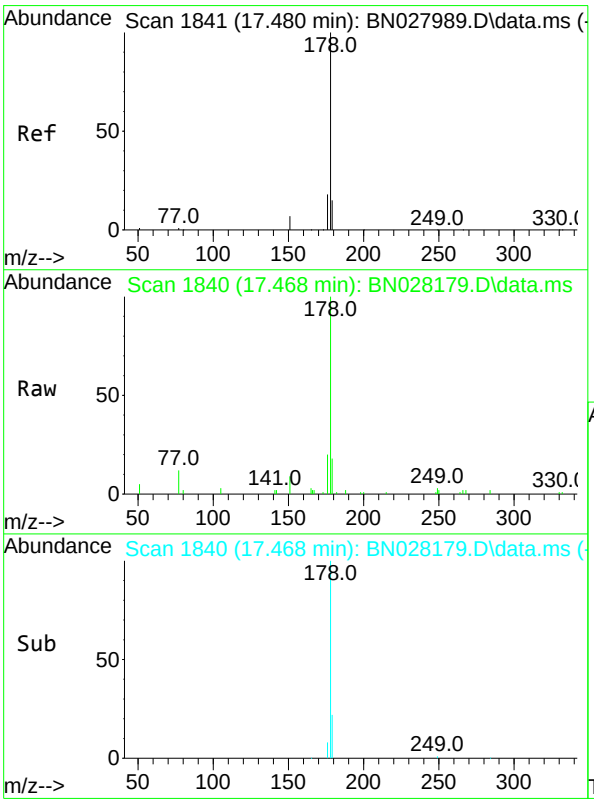
#25
Phenanthrene
Concen: 0.362 ng
RT: 17.368 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:178 Resp: 10126

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.4	18.6

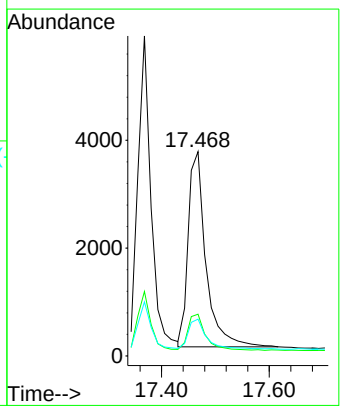


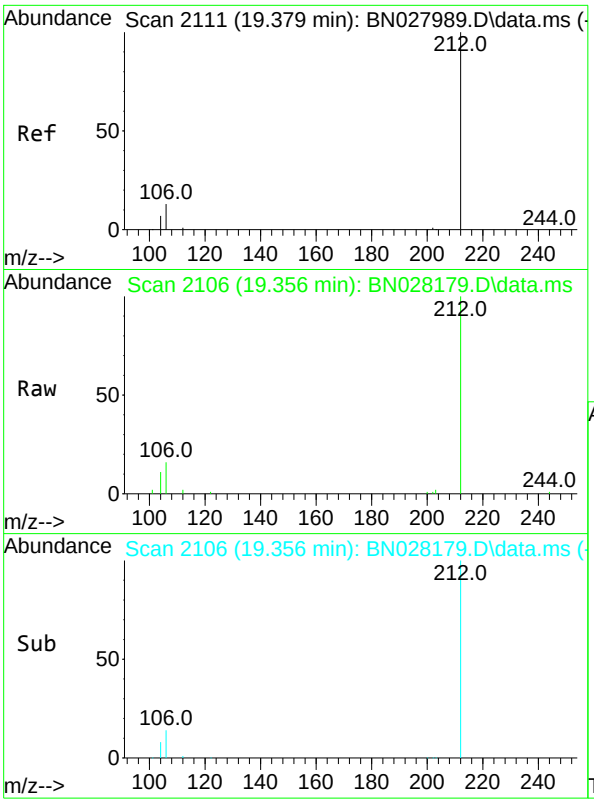


#26
Anthracene
Concen: 0.315 ng
RT: 17.468 min Scan# 1840
Delta R.T. 0.012 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:178 Resp: 8312

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.5	12.2	18.2



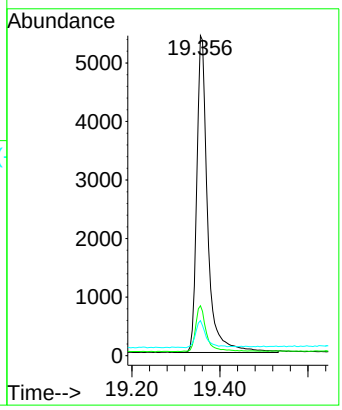


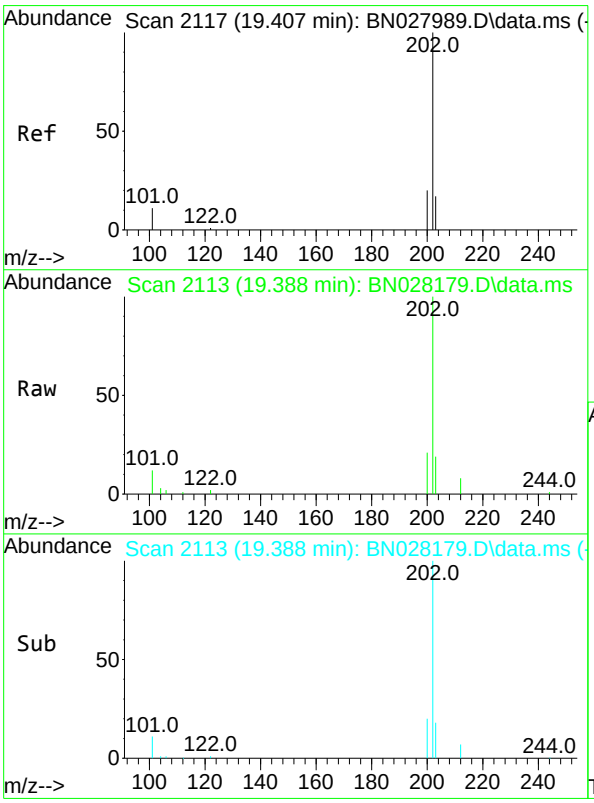
#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.356 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:212 Resp: 9280

Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.3	16.9
104	7.9	6.4	9.6

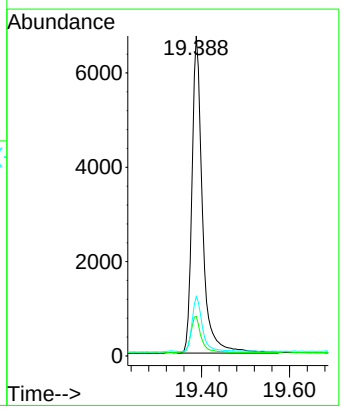


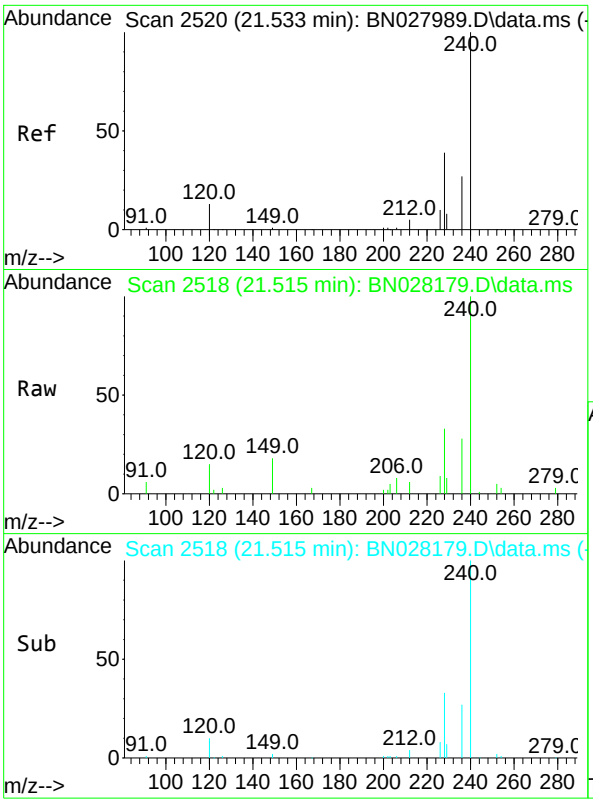


#28
Fluoranthene
Concen: 0.346 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:202 Resp: 11165

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.6
203	17.1	13.8	20.8



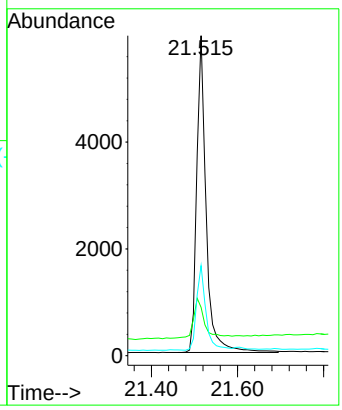


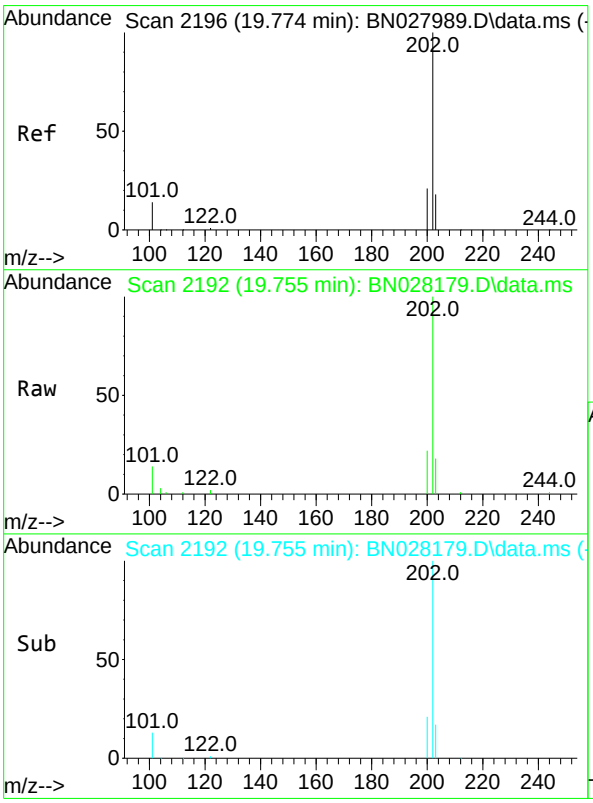
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:240 Resp: 9110

Ion	Ratio	Lower	Upper
240	100		
120	15.1	13.8	20.6
236	28.1	22.6	33.8

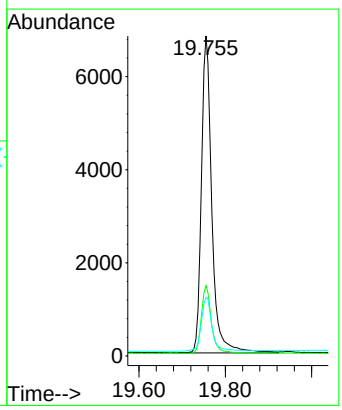


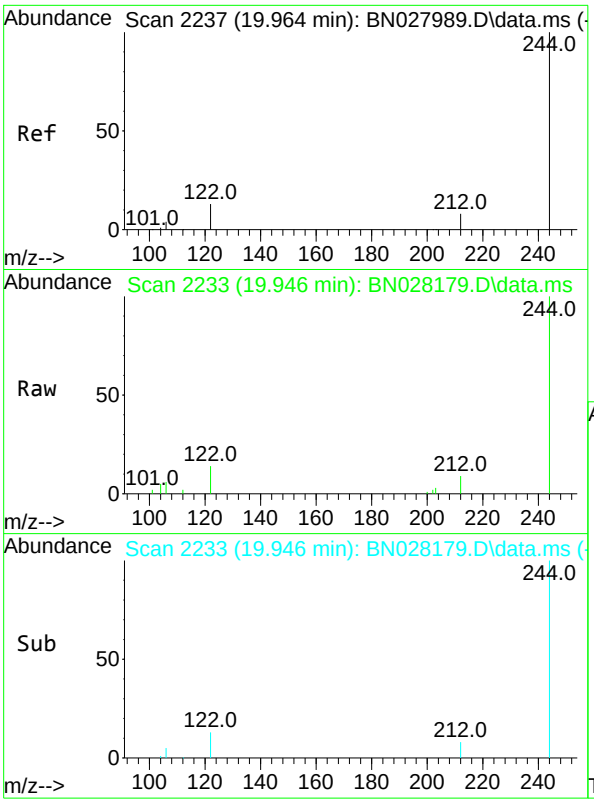


#30
Pyrene
Concen: 0.343 ng
RT: 19.755 min Scan# 2192
Delta R.T. 0.005 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:202 Resp: 11455

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	17.7	14.7	22.1



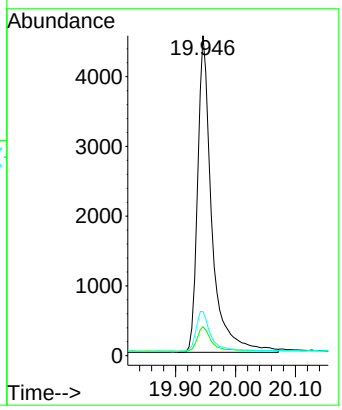


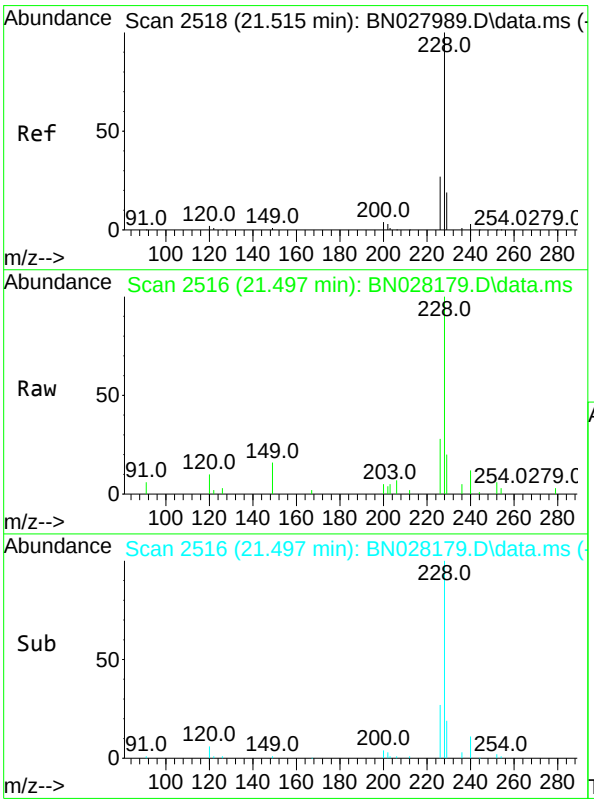
#31
Terphenyl-d14
Concen: 0.352 ng
RT: 19.946 min Scan# 2
Delta R.T. 0.005 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:244 Resp: 7481

Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.6	9.8
122	13.8	11.4	17.0

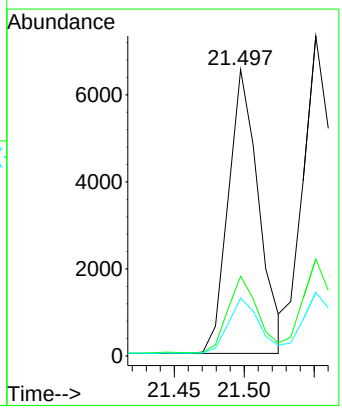


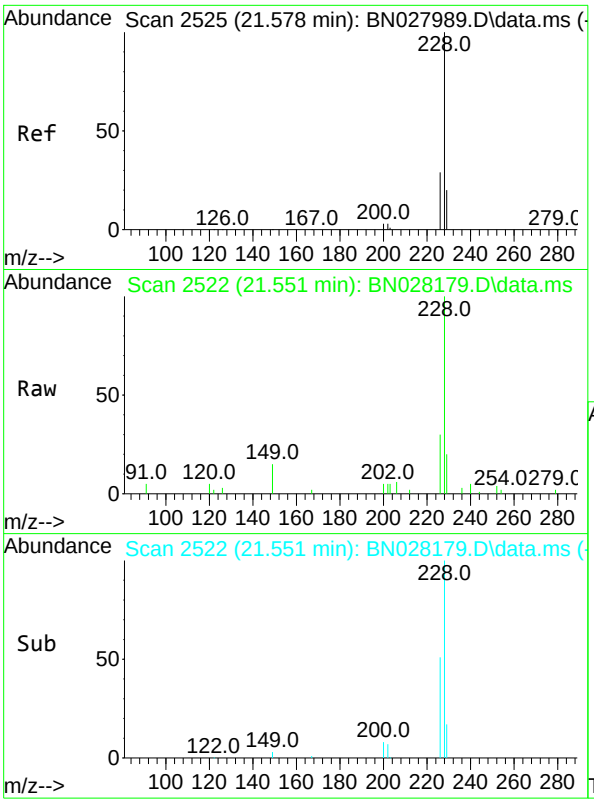


#32
Benzo(a)anthracene
Concen: 0.319 ng
RT: 21.497 min Scan# 2516
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:228 Resp: 9884

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.0	33.0
229	20.2	16.0	24.0



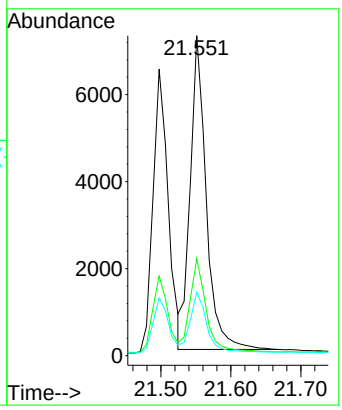


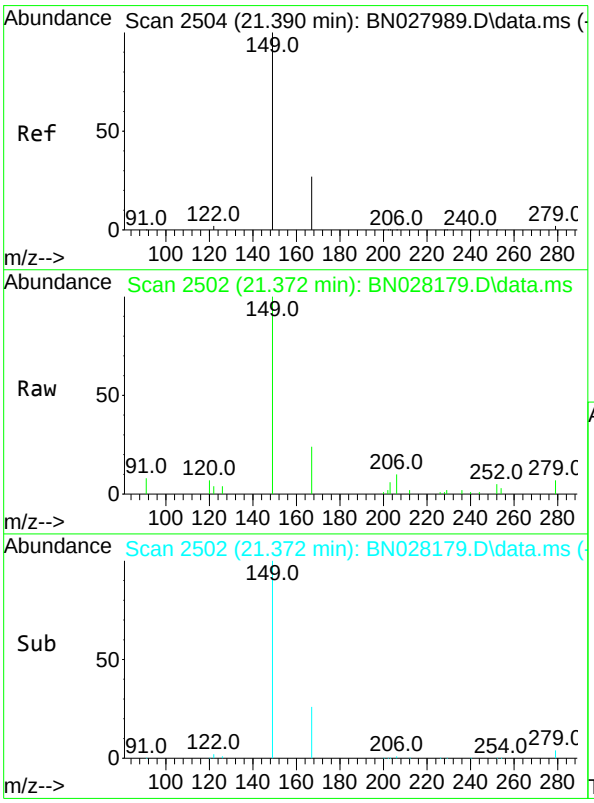
#33
Chrysene
Concen: 0.385 ng
RT: 21.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:228 Resp: 11491

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	19.9	16.6	25.0

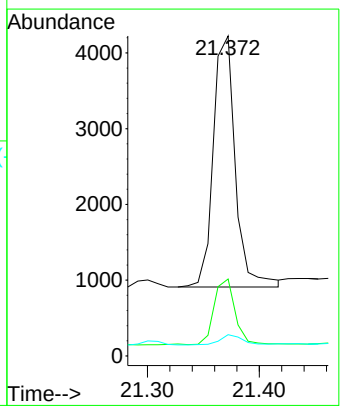


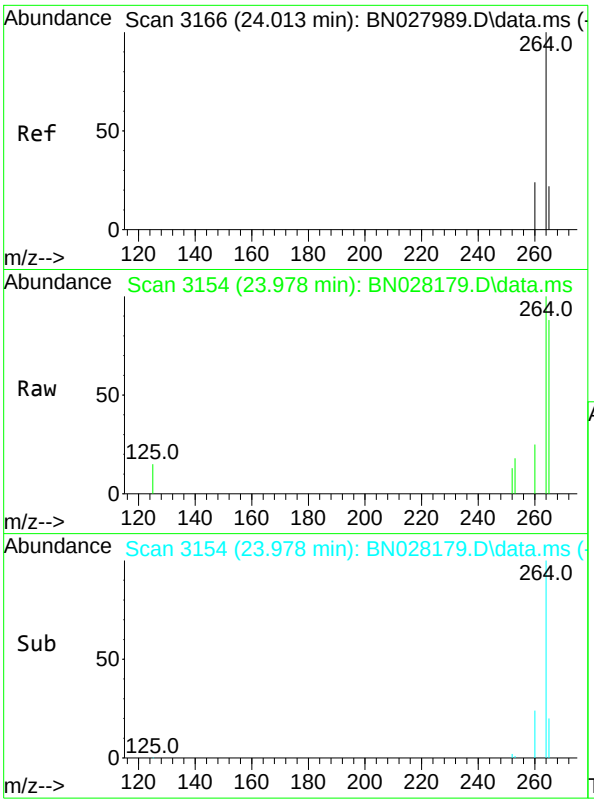


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.223 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:149 Resp: 4538

Ion	Ratio	Lower	Upper
149	100		
167	25.5	22.1	33.1
279	4.1	3.4	5.0



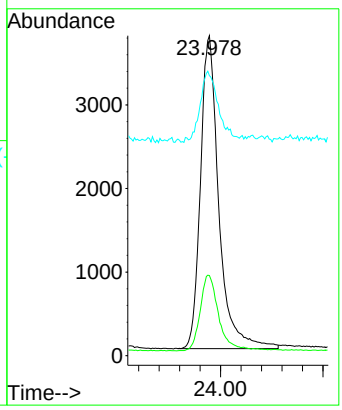


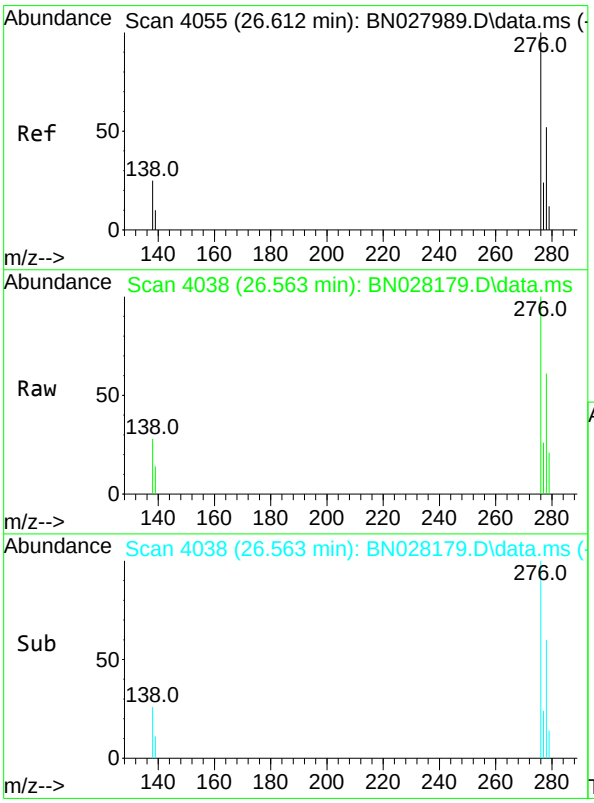
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.978 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:264 Resp: 9333

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.4
265	87.5	54.8	82.2#

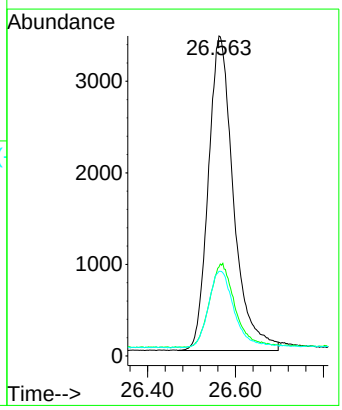


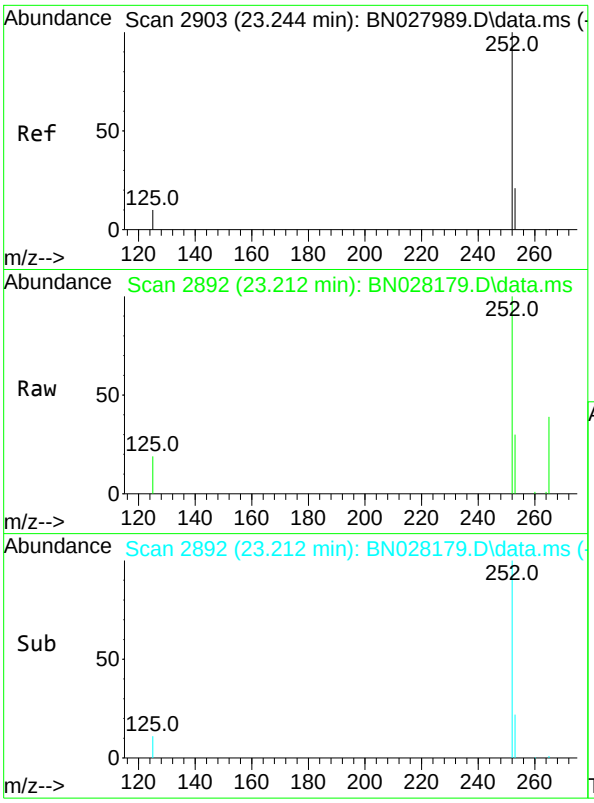


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.435 ng
RT: 26.563 min Scan# 4038
Delta R.T. 0.006 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:276 Resp: 13654

Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.9	31.3
277	24.4	19.8	29.6



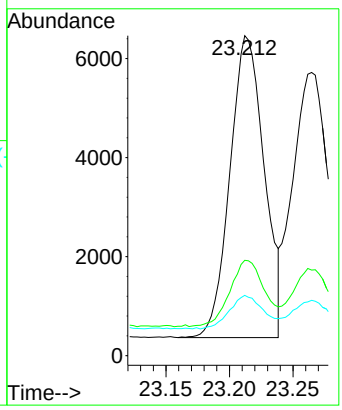


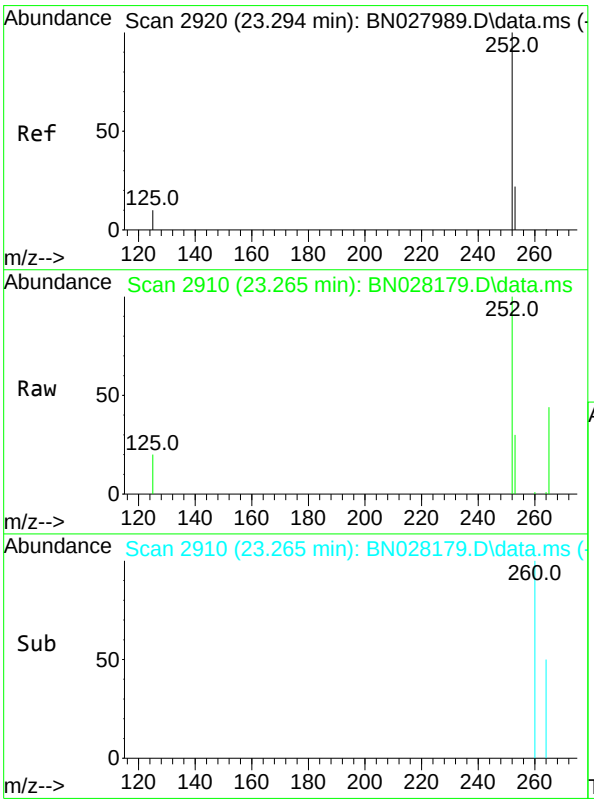
#37
Benzo(b)fluoranthene
Concen: 0.380 ng
RT: 23.212 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:252 Resp: 11463

Ion	Ratio	Lower	Upper
252	100		
253	29.8	22.9	34.3
125	18.8	13.8	20.8

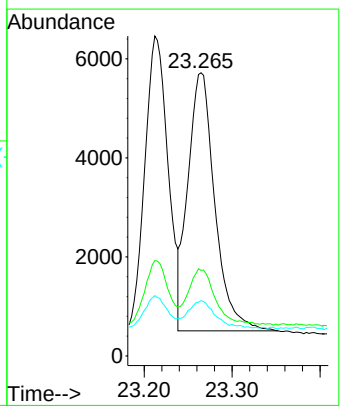


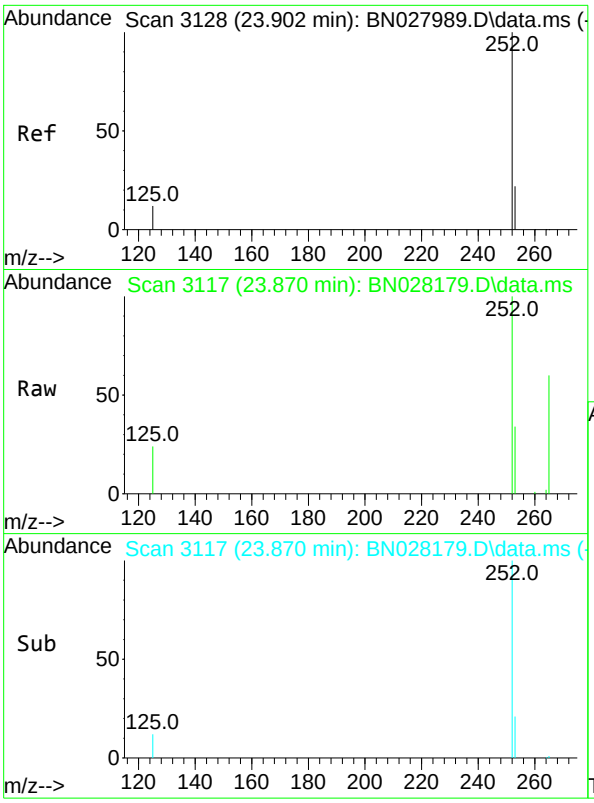


#38
Benzo(k)fluoranthene
Concen: 0.364 ng
RT: 23.265 min Scan# 2910
Delta R.T. 0.003 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:252 Resp: 11121

Ion	Ratio	Lower	Upper
252	100		
253	30.2	23.1	34.7
125	19.6	13.8	20.8



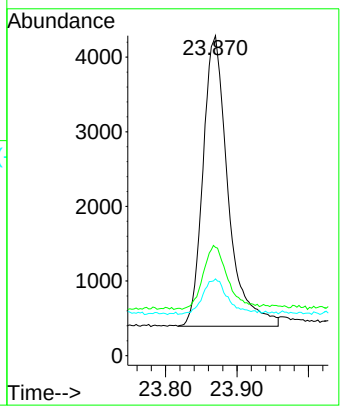


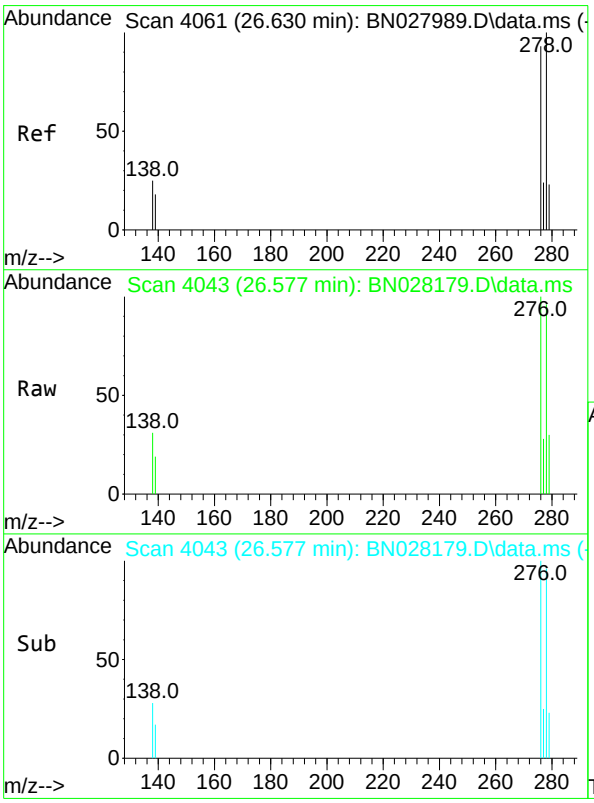
#39
Benzo(a)pyrene
Concen: 0.333 ng
RT: 23.870 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:252 Resp: 9486

Ion	Ratio	Lower	Upper
252	100		
253	33.8	25.0	37.4
125	24.0	16.6	24.8

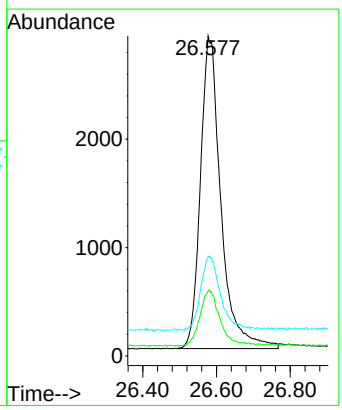


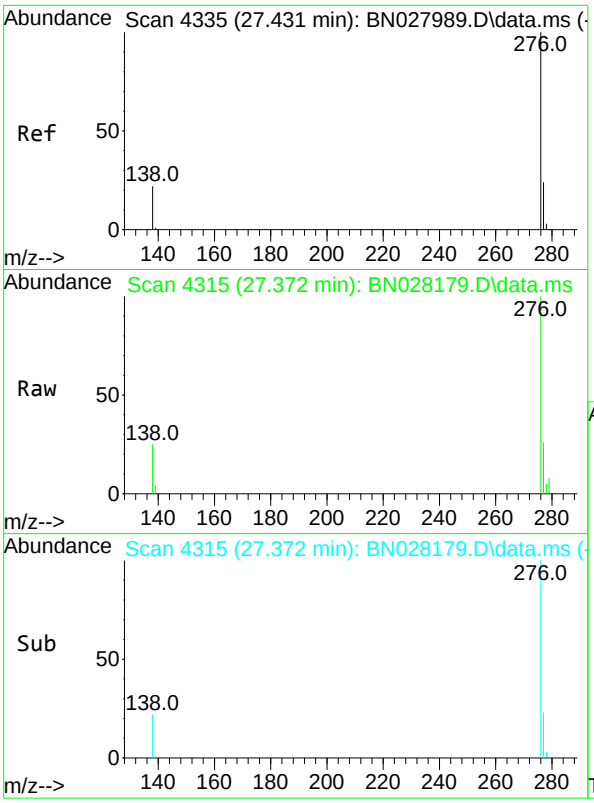


#40
Dibenzo(a,h)anthracene
Concen: 0.433 ng
RT: 26.577 min Scan# 4043
Delta R.T. -0.000 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Tgt Ion:278 Resp: 11126

Ion	Ratio	Lower	Upper
278	100		
139	20.3	17.7	26.5
279	31.1	25.2	37.8





#41
Benzo(g,h,i)perylene
Concen: 0.455 ng
RT: 27.372 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN028179.D
Acq: 10 Oct 2023 03:14

Instrument :
BNA_N
ClientSampleId :
PB156179BS

Tgt Ion:276 Resp: 11992

Ion	Ratio	Lower	Upper
276	100		
277	25.9	22.1	33.1
138	25.2	20.8	31.2