Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028188.D
Acq On : 10 Oct 2023 08:38
Operator : MA/JU
Sample : 04622-01MS
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Oct 10 10:47:16 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	4703	0.400	ng	# 0.00
7) Naphthalene-d8	10.735	136	14242	0.400	ng	# 0.00
13) Acenaphthene-d10	14.587	164	20370	0.400	ng	# 0.02
19) Phenanthrene-d10	17.319	188	14752	0.400	ng	# 0.00
29) Chrysene-d12	21.516	240	21779	0.400	ng	# 0.00
35) Perylene-d12	23.978	264	25522	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	6019	0.429	ng	0.00
5) Phenol-d6	7.077	99	5259	0.297	ng	-0.01
8) Nitrobenzene-d5	9.113	82	4637	0.383	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	6525	0.309	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	1046	0.112	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	9686	0.132	ng	0.00
27) Fluoranthene-d10	19.365	212	11583	0.313	ng	0.00
31) Terphenyl-d14	19.937	244	14931	0.294	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.350	88	2291	0.434	ng	# 61
3) n-Nitrosodimethylamine	3.704	42	2988	0.494	ng	# 54
6) bis(2-Chloroethyl)ether	7.358	93	6541	0.459	ng	88
9) Naphthalene	10.799	128	13187569	358.372	ng	99
10) Hexachlorobutadiene	11.002	225	2399	0.367	ng	# 100
12) 2-Methylnaphthalene	12.393	142	1974782	76.714	ng	97
16) Acenaphthylene	14.288	152	1267325	14.044	ng	99
17) Acenaphthene	14.619	154	304743	5.298	ng	98
18) Fluorene	15.606	166	2637777	35.307	ng	100
20) 4,6-Dinitro-2-methylph...	16.773	198	1412	7.201	ng	# 14
21) 4-Bromophenyl-phenylether	16.500	248	2946	0.383	ng	# 2
22) Hexachlorobenzene	16.586	284	3103	0.385	ng	# 28
23) Atrazine	16.773	200	2300	0.342	ng	# 38
24) Pentachlorophenol	16.959	266	13150	3.460	ng	95
25) Phenanthrene	17.368	178	10553162	265.348	ng	99
26) Anthracene	17.455	178	3522149	93.695	ng	# 95
28) Fluoranthene	19.402	202	8321083	181.292	ng	97
30) Pyrene	19.760	202	7274220	91.085	ng	97
32) Benzo(a)anthracene	21.498	228	4014336	54.167	ng	98
33) Chrysene	21.551	228	3304097	46.263	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	17283	0.355	ng	91
36) Indeno(1,2,3-cd)pyrene	26.566	276	1794702	20.906	ng	98
37) Benzo(b)fluoranthene	23.221	252	3637170	44.126	ng	# 89
39) Benzo(a)pyrene	24.034	252	665778	8.542	ng	91
40) Dibenzo(a,h)anthracene	26.574	278	541837	7.716	ng	93
41) Benzo(g,h,i)perylene	27.378	276	1676075	23.252	ng	94

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

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
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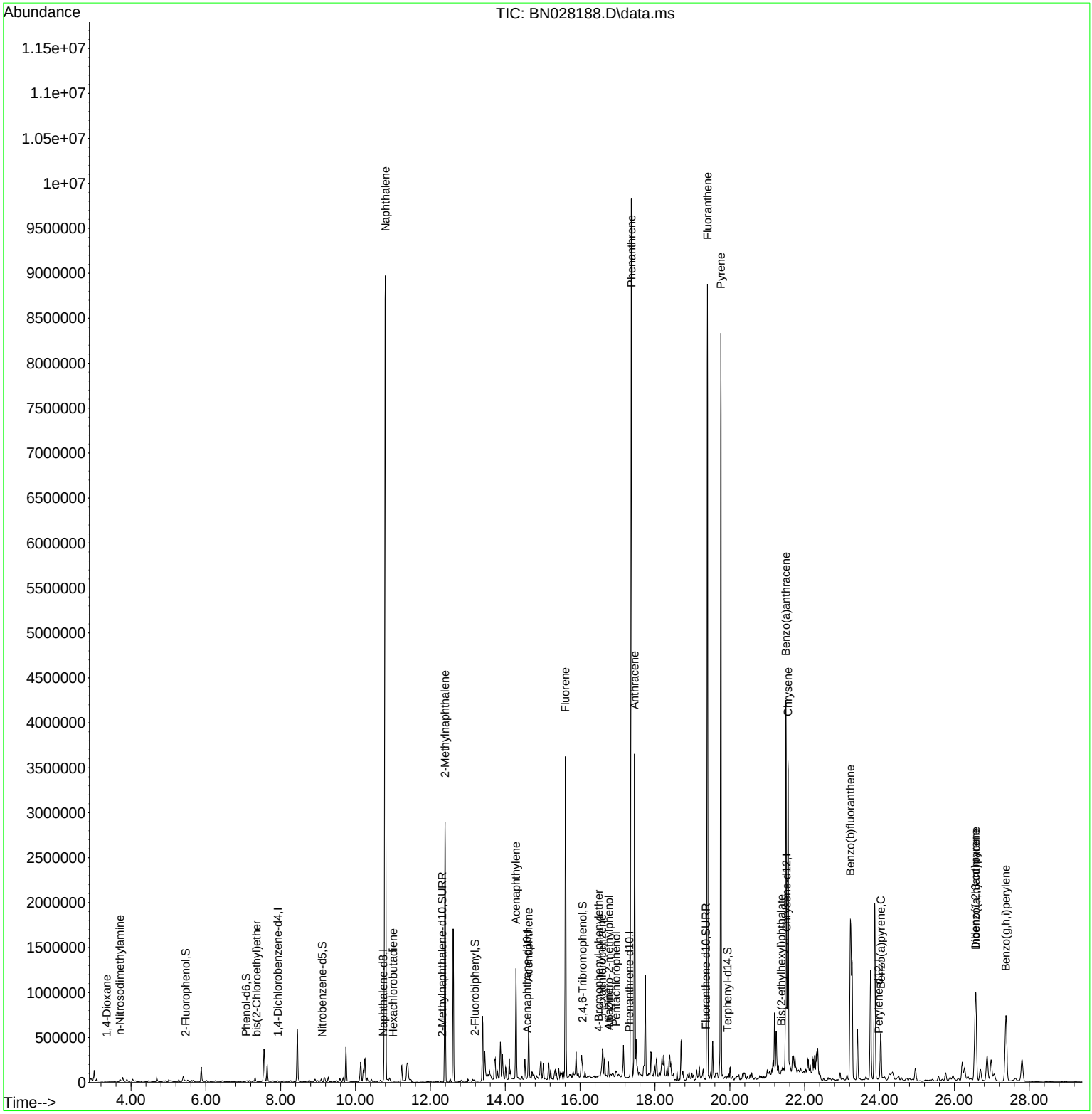
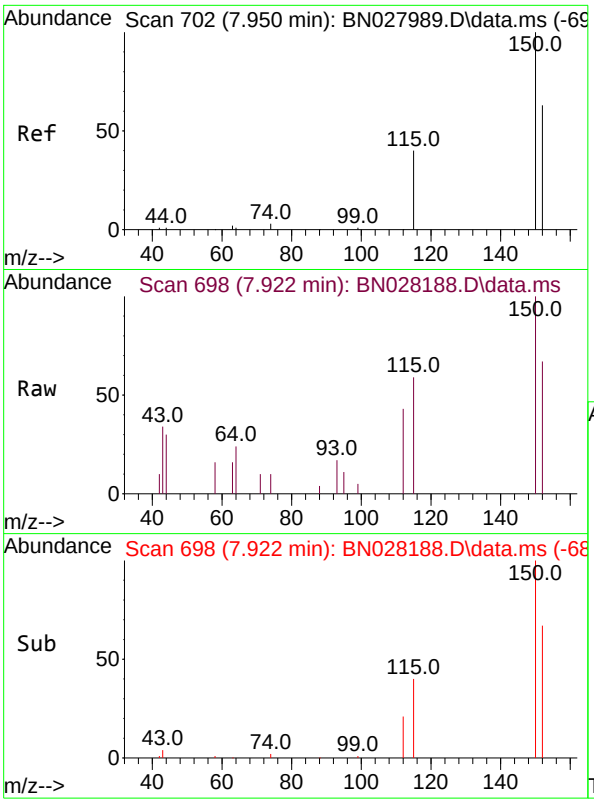
BNA_N
ClientSampleId :

Quant Time: Oct 10 10:47:16 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



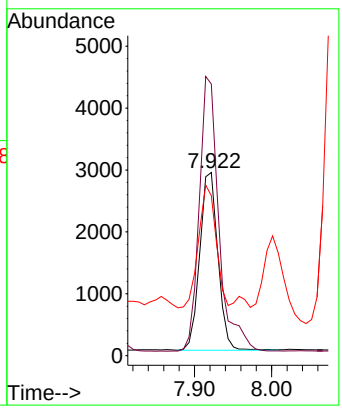


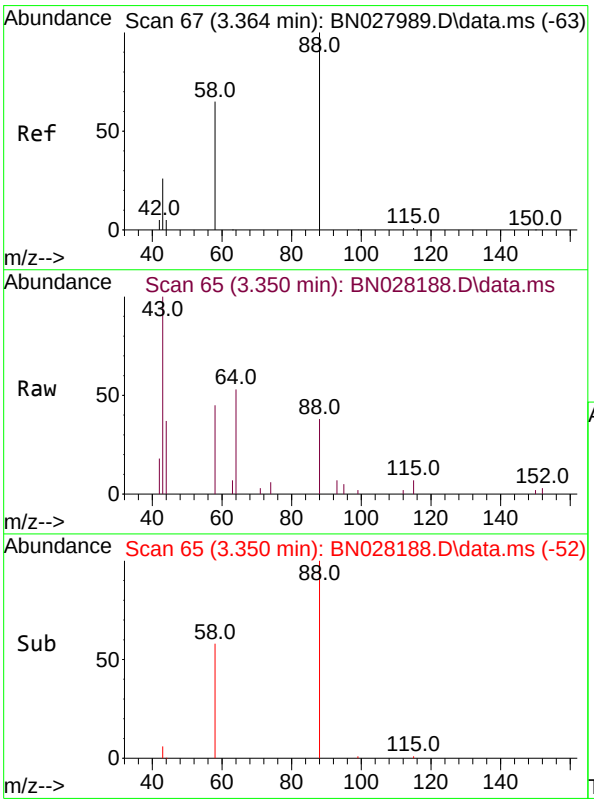
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 4703

Ion	Ratio	Lower	Upper
152	100		
150	148.3	125.6	188.4
115	87.4	54.8	82.2#

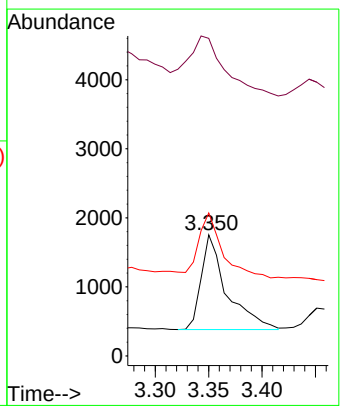


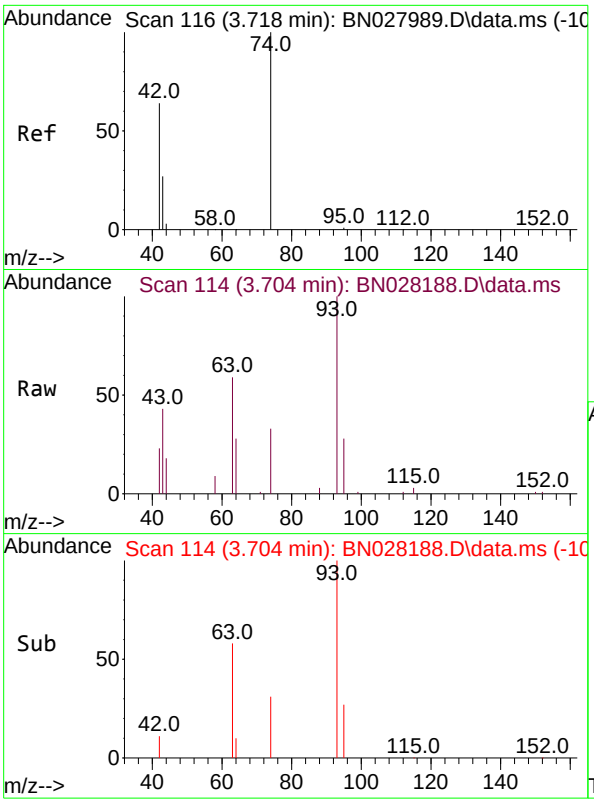


#2
1,4-Dioxane
Concen: 0.434 ng
RT: 3.350 min Scan# 65
Delta R.T. -0.007 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion: 88 Resp: 2291

Ion	Ratio	Lower	Upper
88	100		
43	94.9	24.6	36.8#
58	64.3	53.8	80.6



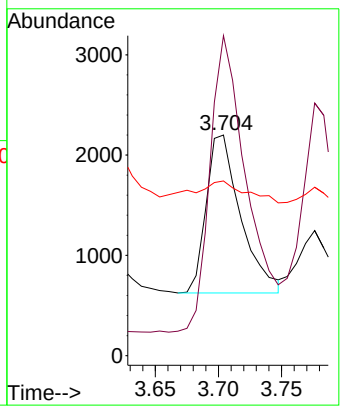


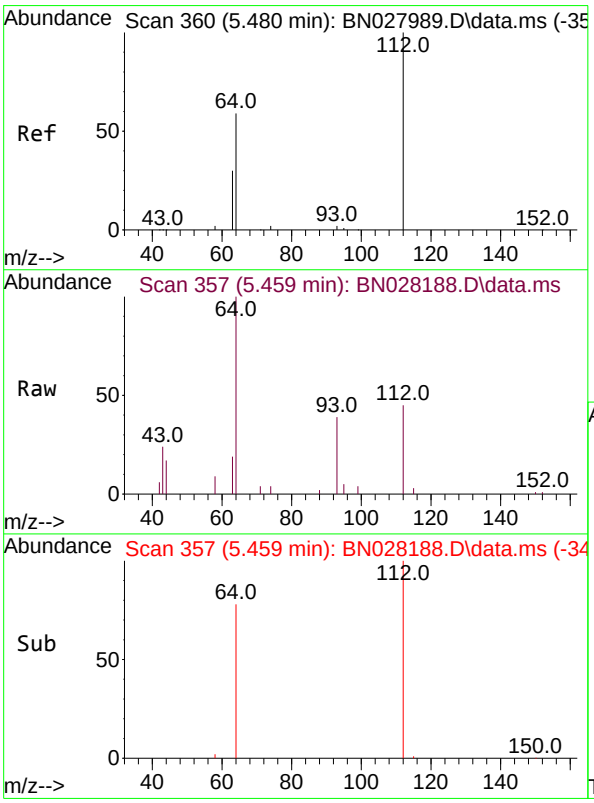
#3
n-Nitrosodimethylamine
Concen: 0.494 ng
RT: 3.704 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 2988

Ion	Ratio	Lower	Upper
42	100		
74	203.3	115.9	173.9#
44	20.2	8.0	12.0#

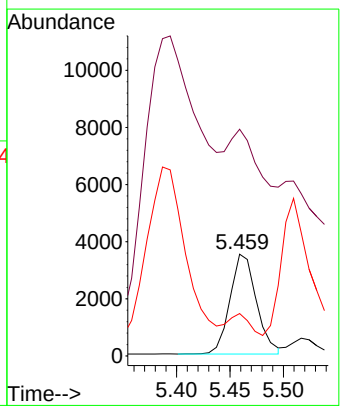


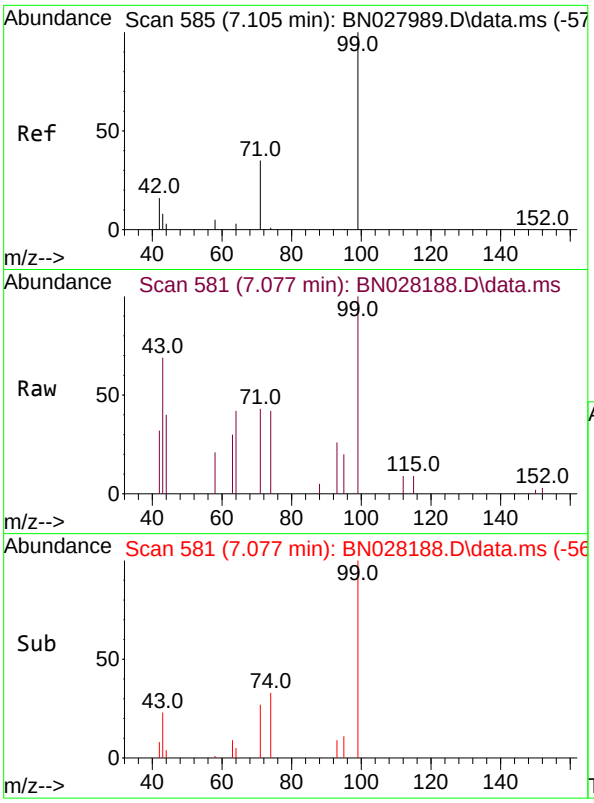


#4
2-Fluorophenol
Concen: 0.429 ng
RT: 5.459 min Scan# 357
Delta R.T. -0.007 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:112 Resp: 6019

Ion	Ratio	Lower	Upper
112	100		
64	0.0	45.0	67.6#
63	17.7	23.4	35.0#



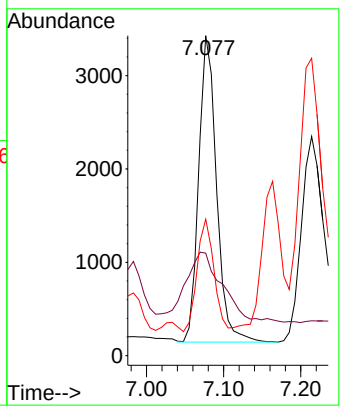


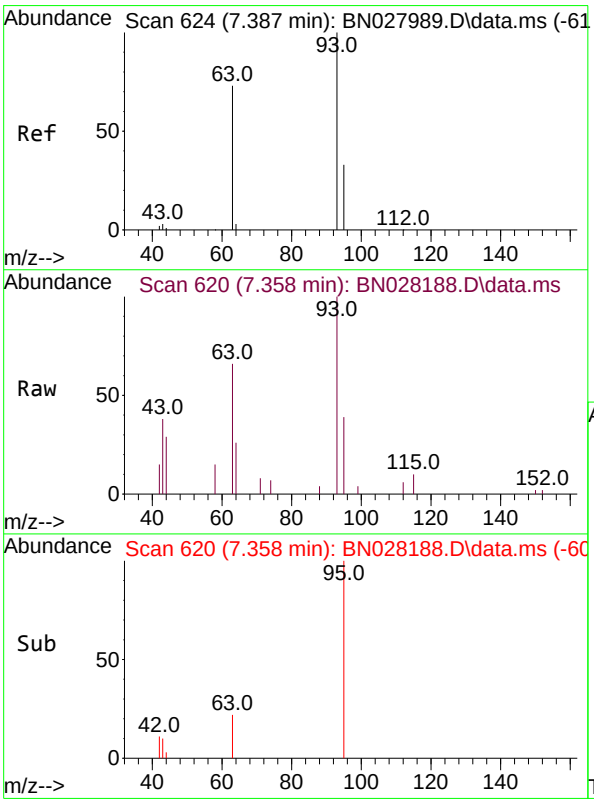
#5
Phenol-d6
Concen: 0.297 ng
RT: 7.077 min Scan# 5
Delta R.T. -0.014 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 5259

Ion	Ratio	Lower	Upper
99	100		
42	48.7	14.6	22.0#
71	34.9	28.3	42.5

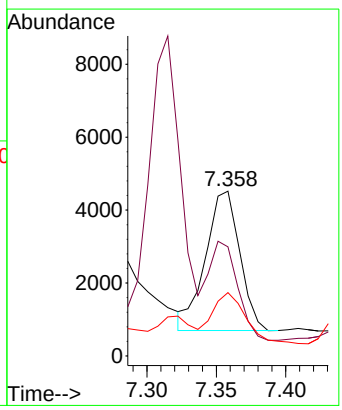


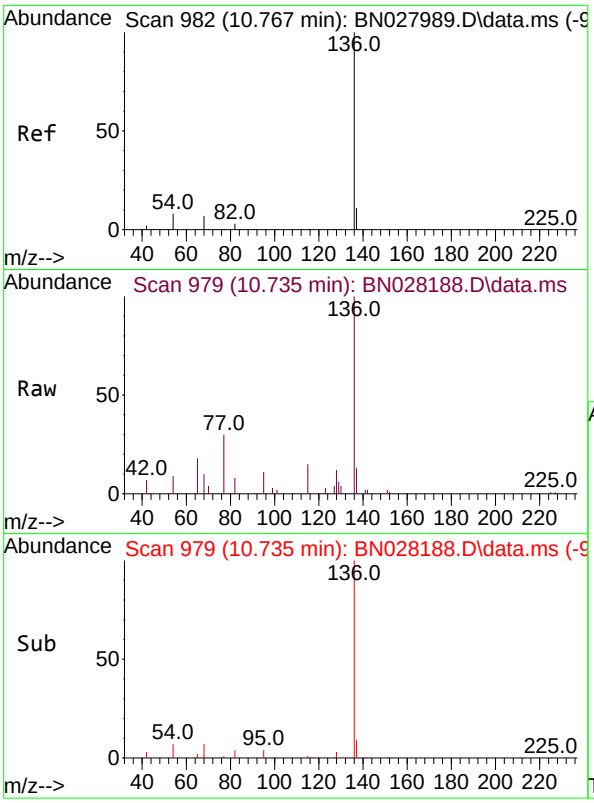


#6
bis(2-Chloroethyl)ether
Concen: 0.459 ng
RT: 7.358 min Scan# 620
Delta R.T. -0.007 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion: 93 Resp: 6541

Ion	Ratio	Lower	Upper
93	100		
63	60.7	58.8	88.2
95	36.0	26.6	39.8



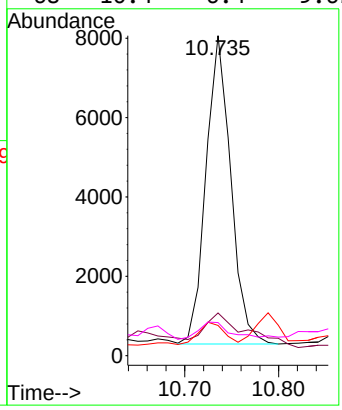


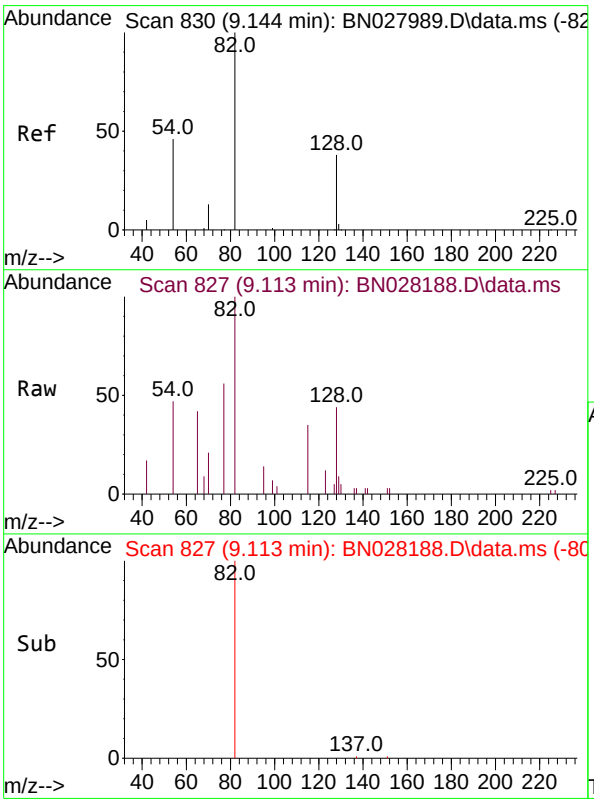
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 14242

Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.4	14.0
54	9.4	7.0	10.6
68	10.4	6.4	9.6#

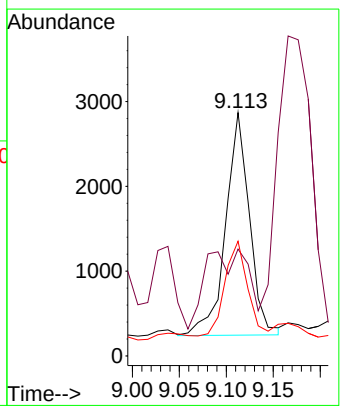


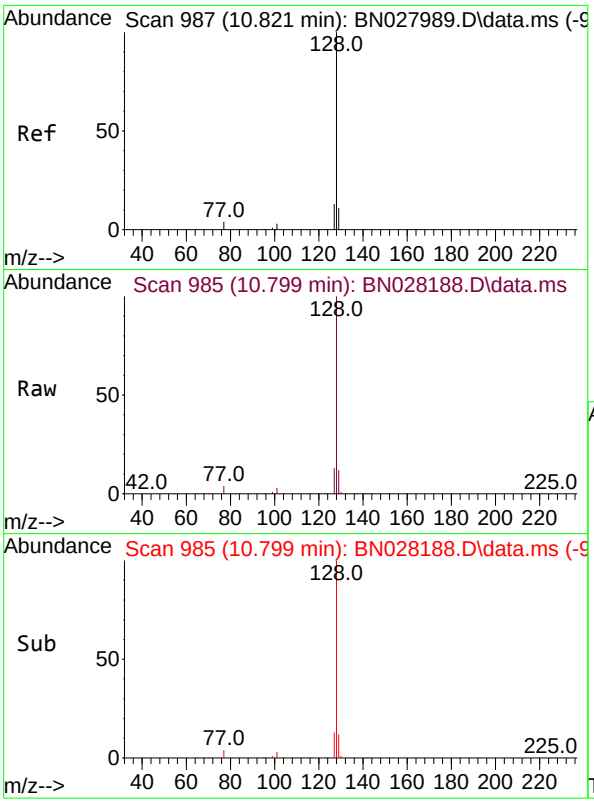


#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 9.113 min Scan# 827
Delta R.T. -0.011 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion: 82 Resp: 4637

Ion	Ratio	Lower	Upper
82	100		
128	43.9	32.7	49.1
54	47.2	38.7	58.1



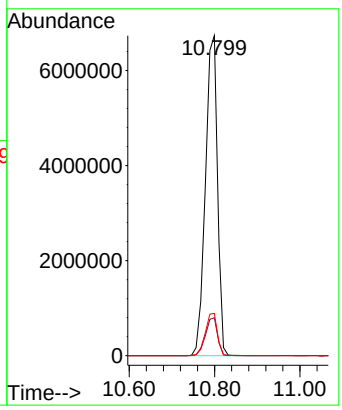


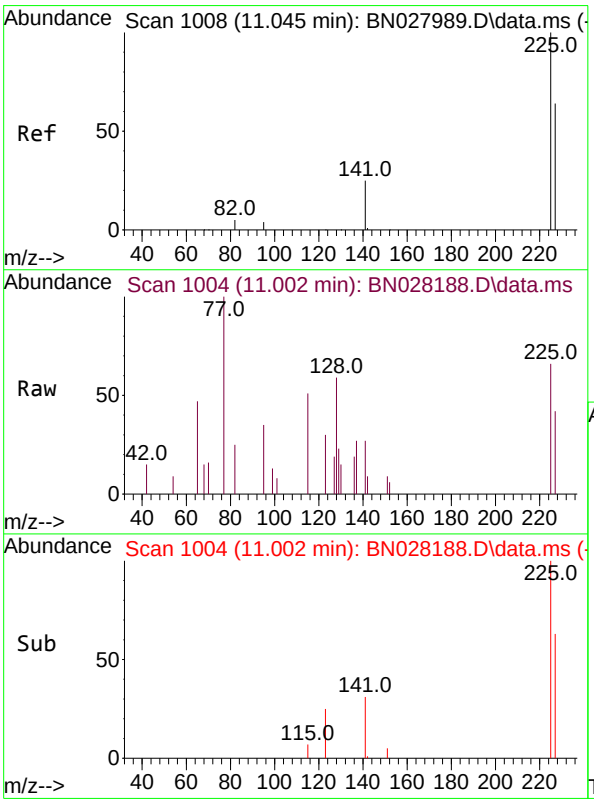
#9
Naphthalene
Concen: 358.372 ng
RT: 10.799 min Scan# 9
Delta R.T. 0.011 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp:13187569

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.4	14.2
127	13.2	10.9	16.3

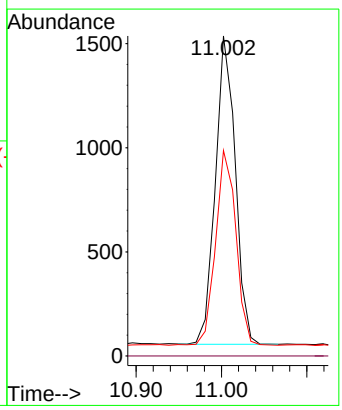


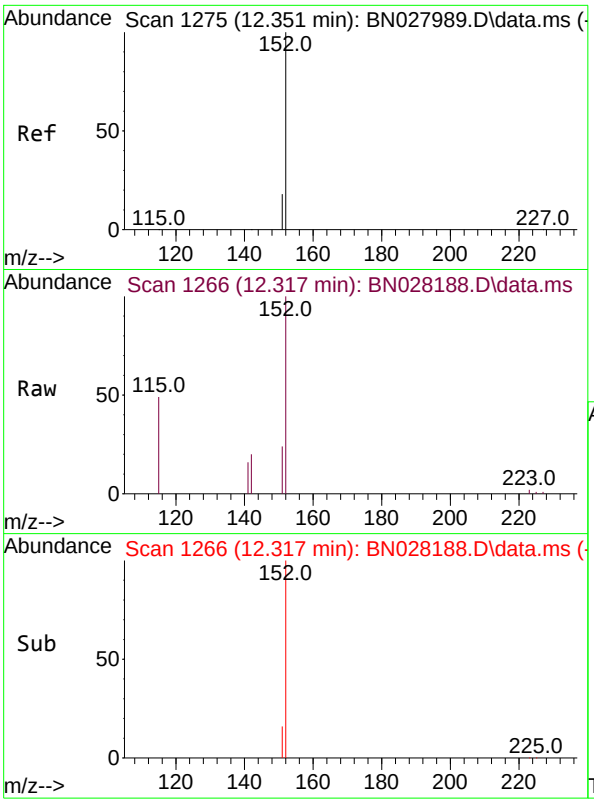


#10
Hexachlorobutadiene
Concen: 0.367 ng
RT: 11.002 min Scan# 1004
Delta R.T. -0.011 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:225 Resp: 2399

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.4	51.3	76.9



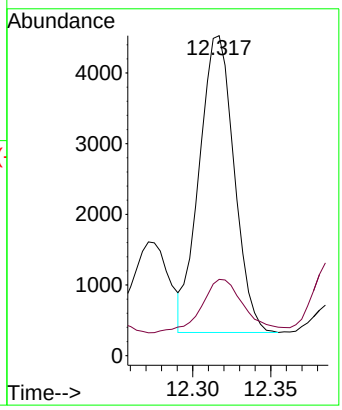


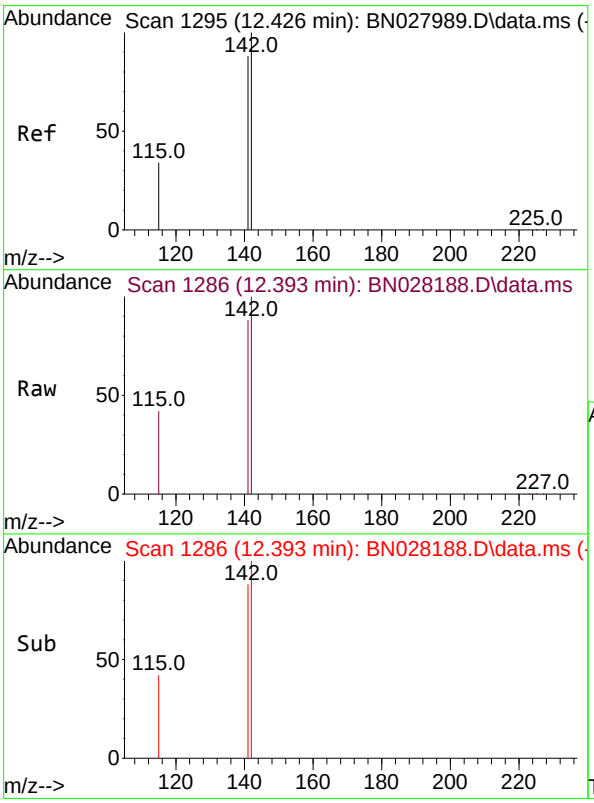
#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.317 min Scan# 1
Delta R.T. -0.008 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 6525

Ion	Ratio	Lower	Upper
152	100		
151	24.3	16.5	24.7

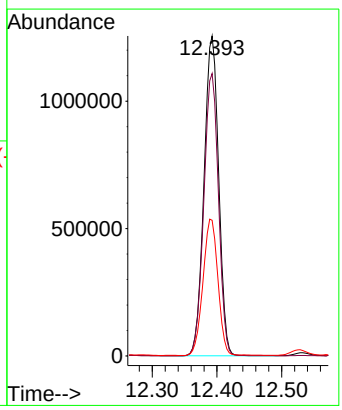


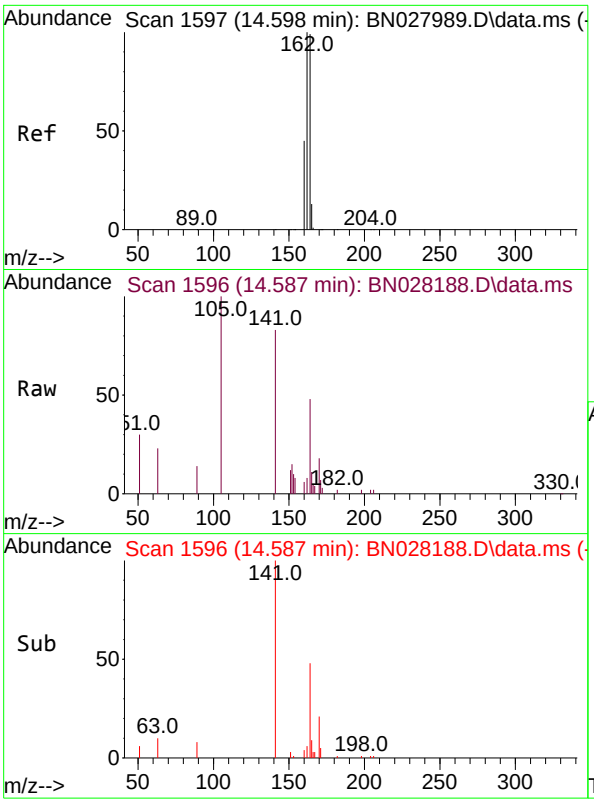


#12
2-Methylnaphthalene
Concen: 76.714 ng
RT: 12.393 min Scan# 1286
Delta R.T. -0.007 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:142 Resp: 1974782

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.7	106.1
115	42.4	28.6	42.8



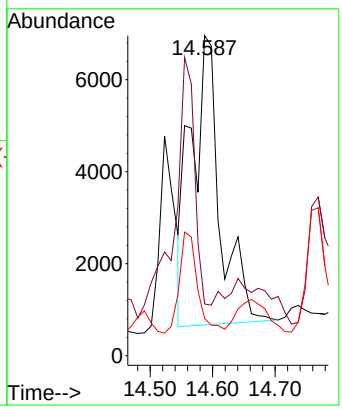


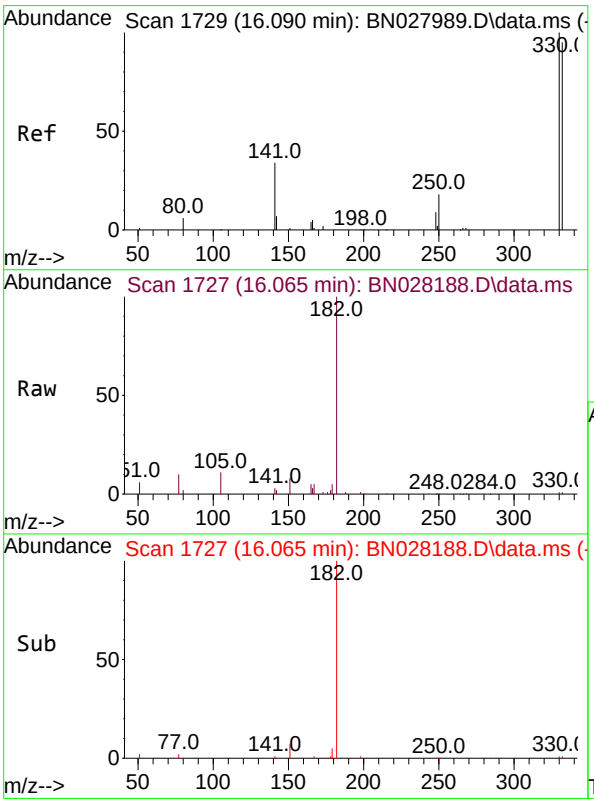
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.587 min Scan# 1
Delta R.T. 0.021 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 20370

Ion	Ratio	Lower	Upper
164	100		
162	16.1	80.8	121.2#
160	11.7	36.4	54.6#

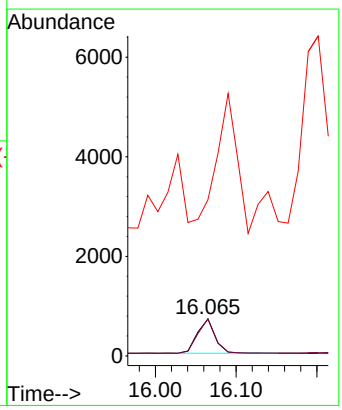


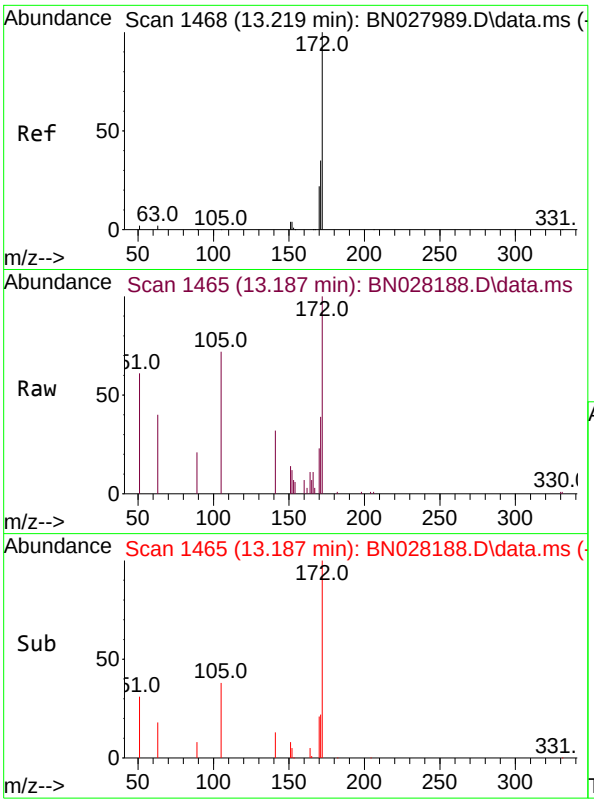


#14
2,4,6-Tribromophenol
Concen: 0.112 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:330 Resp: 1046

Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.1	117.1
141	0.0	33.4	50.2#



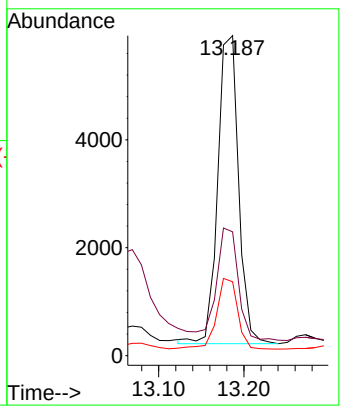


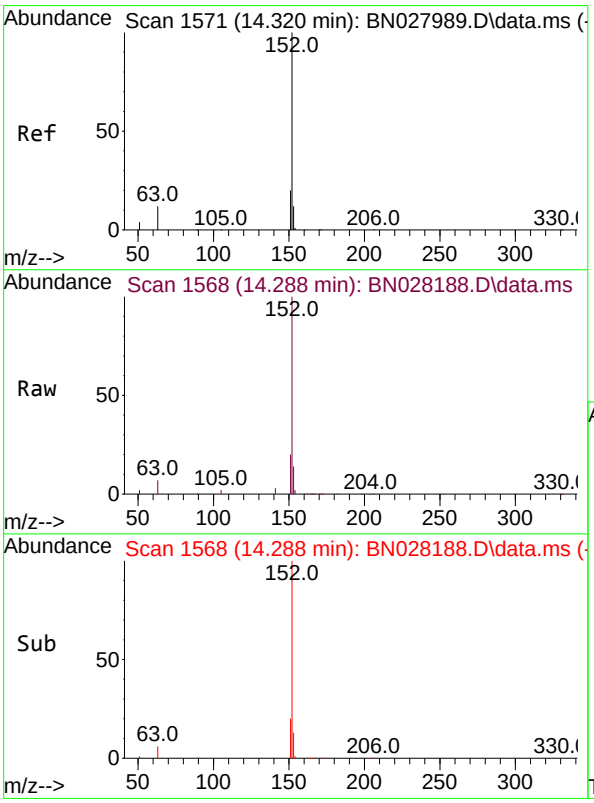
#15
2-Fluorobiphenyl
Concen: 0.132 ng
RT: 13.187 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 9686

Ion	Ratio	Lower	Upper
172	100		
171	38.7	28.1	42.1
170	23.1	18.4	27.6

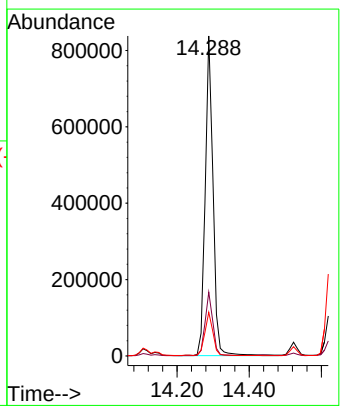


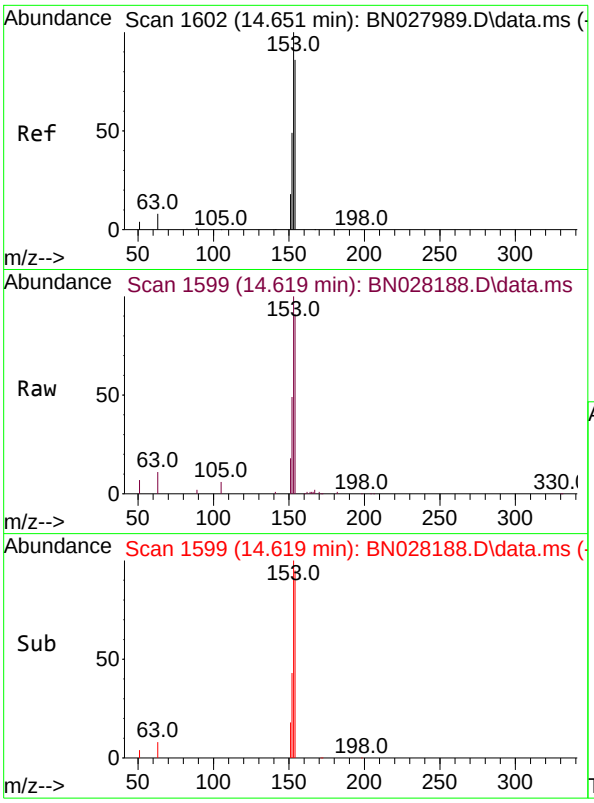


#16
Acenaphthylene
Concen: 14.044 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:152 Resp: 1267325

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	14.1	10.2	15.4



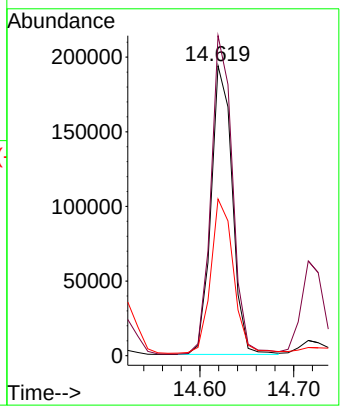


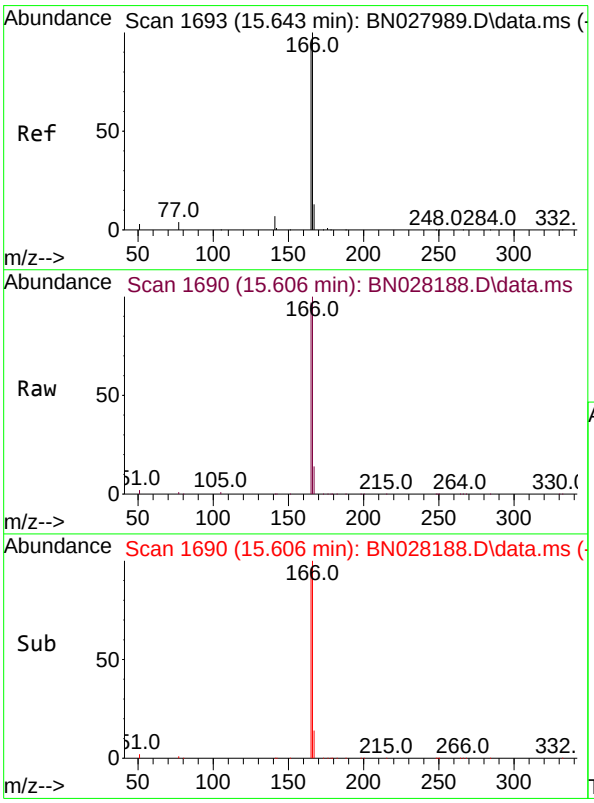
#17
Acenaphthene
Concen: 5.298 ng
RT: 14.619 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 304743

Ion	Ratio	Lower	Upper
154	100		
153	112.0	90.8	136.2
152	56.8	43.9	65.9

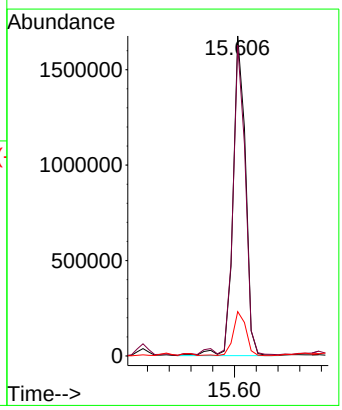


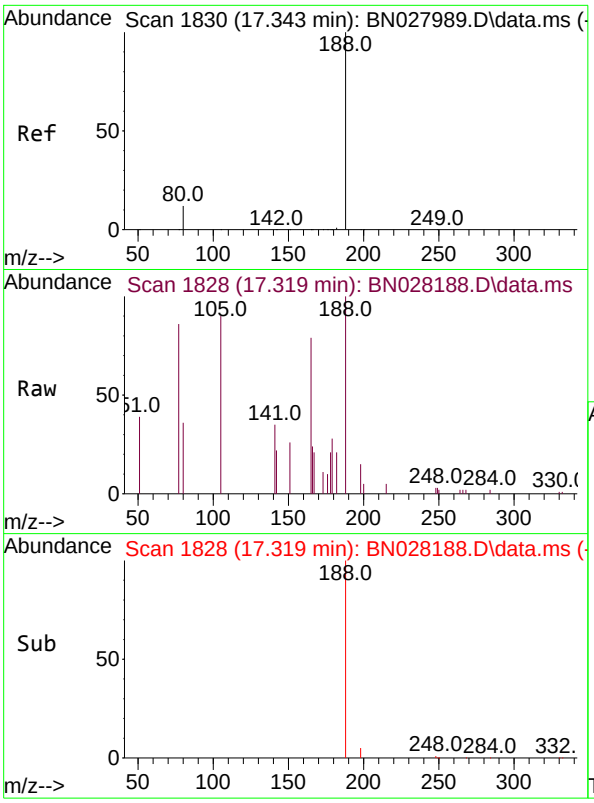


#18
Fluorene
Concen: 35.307 ng
RT: 15.606 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:166 Resp: 2637777

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.8	116.8
167	14.5	10.7	16.1



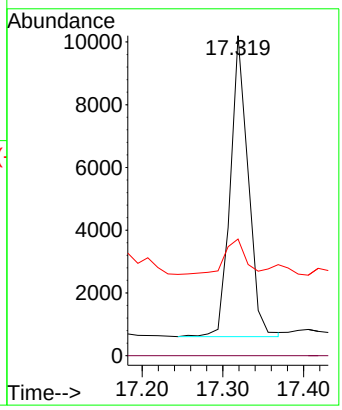


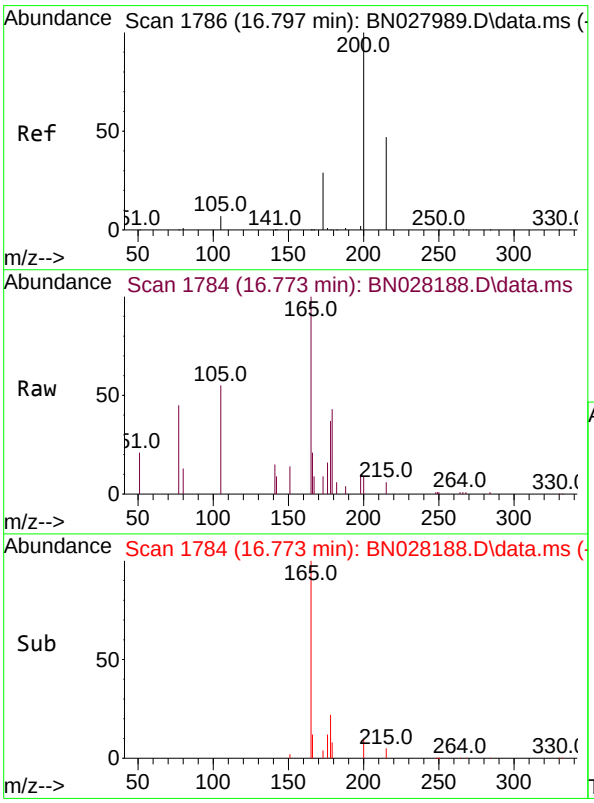
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 14752

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	36.5	10.2	15.4#

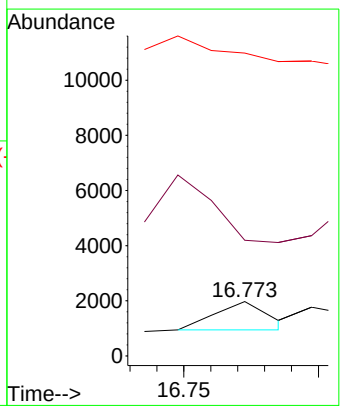


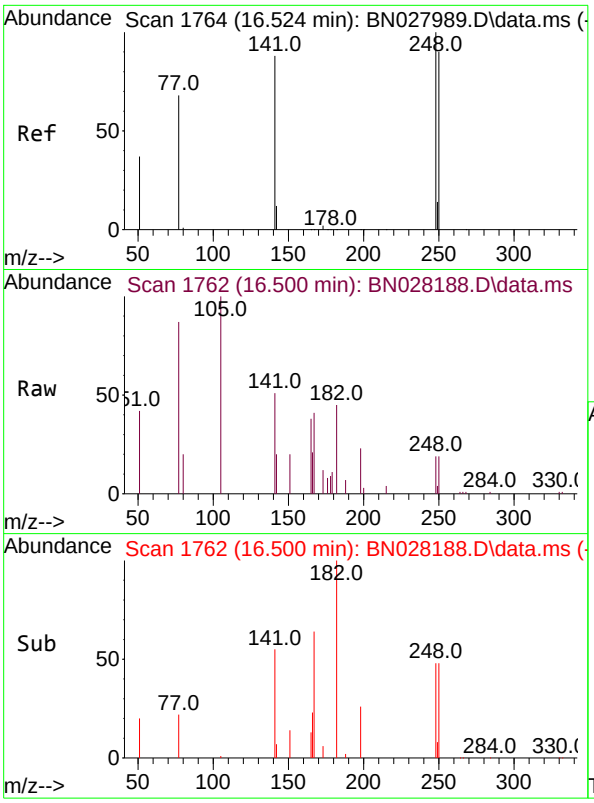


#20
4,6-Dinitro-2-methylphenol
Concen: 7.201 ng
RT: 16.773 min Scan# 1784
Delta R.T. -0.012 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:198 Resp: 1412

Ion	Ratio	Lower	Upper
198	100		
51	212.2	180.7	271.1
105	556.0	222.2	333.2#



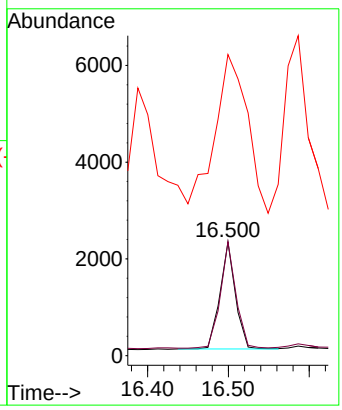


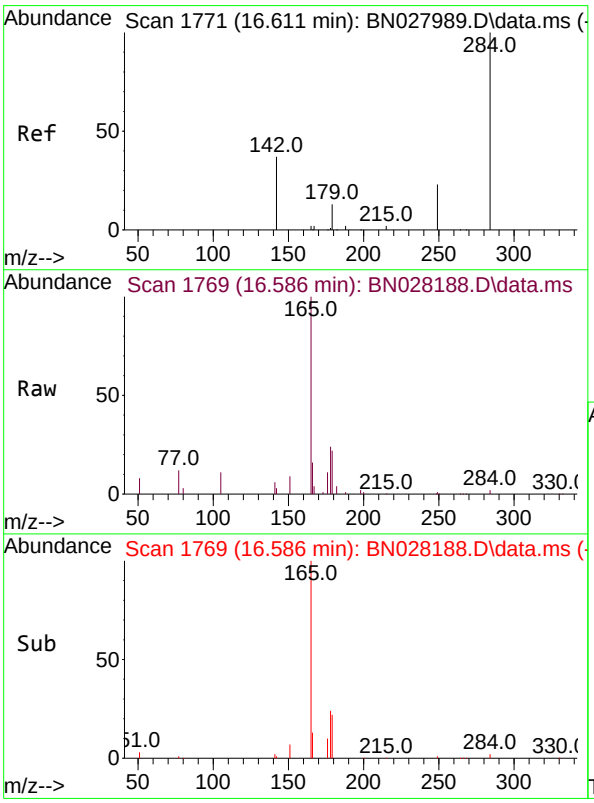
#21
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.500 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 2946

Ion	Ratio	Lower	Upper
248	100		
250	100.3	72.3	108.5
141	265.1	71.8	107.6#

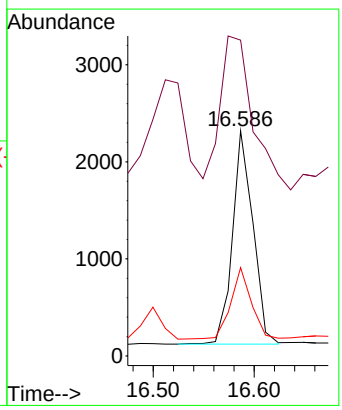


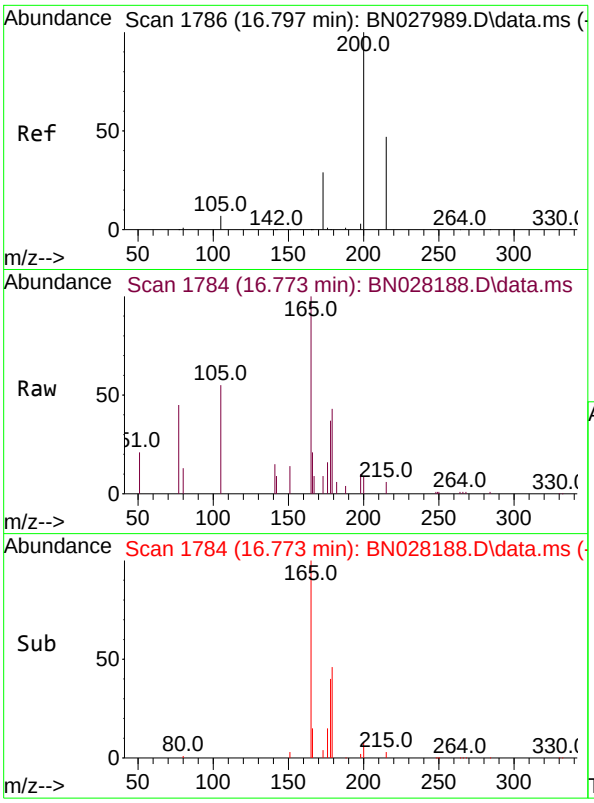


#22
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.586 min Scan# 1769
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:284 Resp: 3103

Ion	Ratio	Lower	Upper
284	100		
142	115.0	29.9	44.9#
249	33.3	25.0	37.4



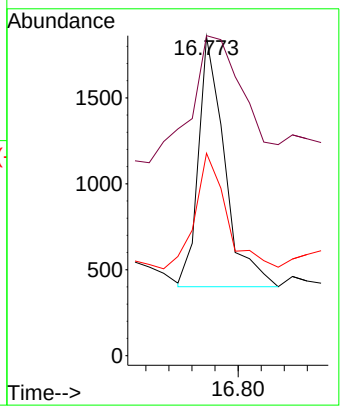


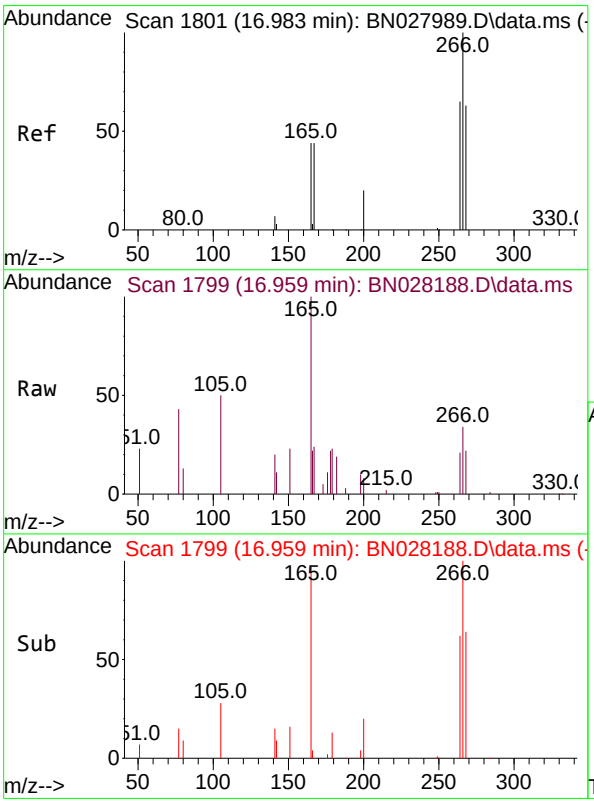
#23
Atrazine
Concen: 0.342 ng
RT: 16.773 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:200 Resp: 2300

Ion	Ratio	Lower	Upper
200	100		
173	100.3	24.7	37.1#
215	63.5	39.0	58.6#

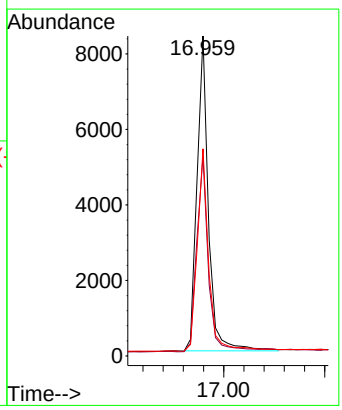


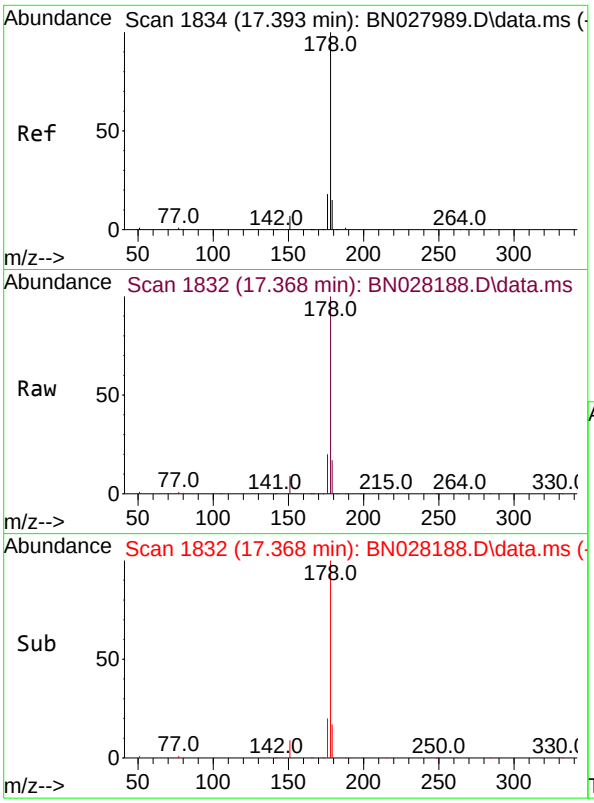


#24
Pentachlorophenol
Concen: 3.460 ng
RT: 16.959 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:266 Resp: 13150

Ion	Ratio	Lower	Upper
266	100		
264	63.3	52.7	79.1
268	64.6	56.2	84.2



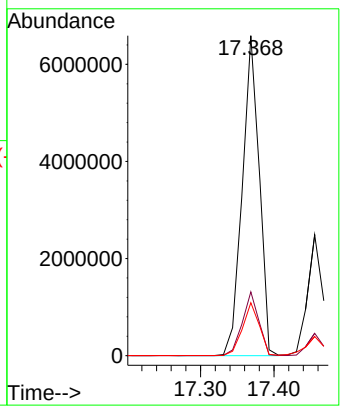


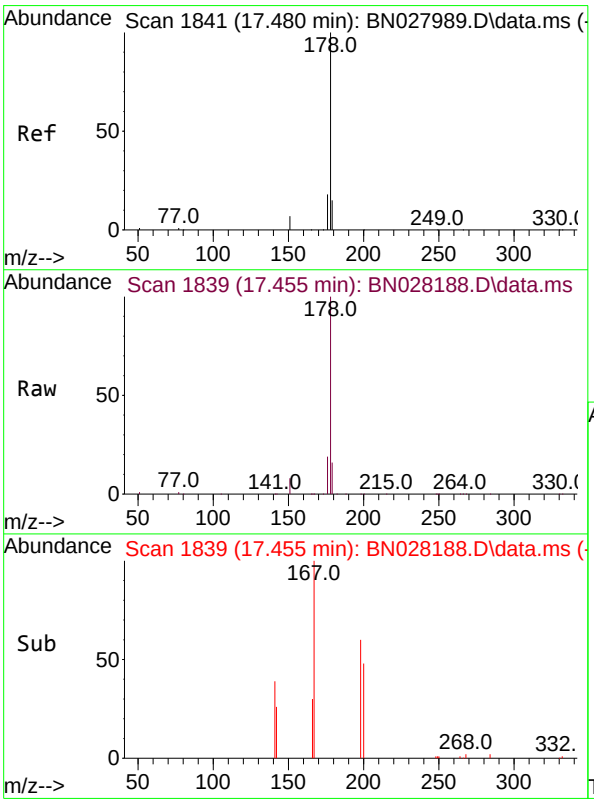
#25
Phenanthrene
Concen: 265.348 ng
RT: 17.368 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp:10553162

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.4	12.4	18.6

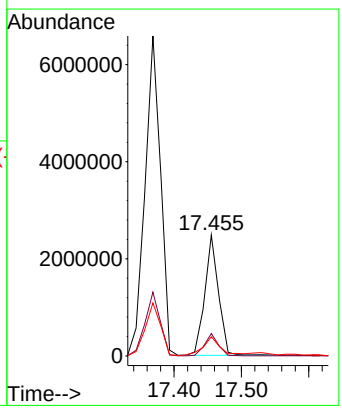


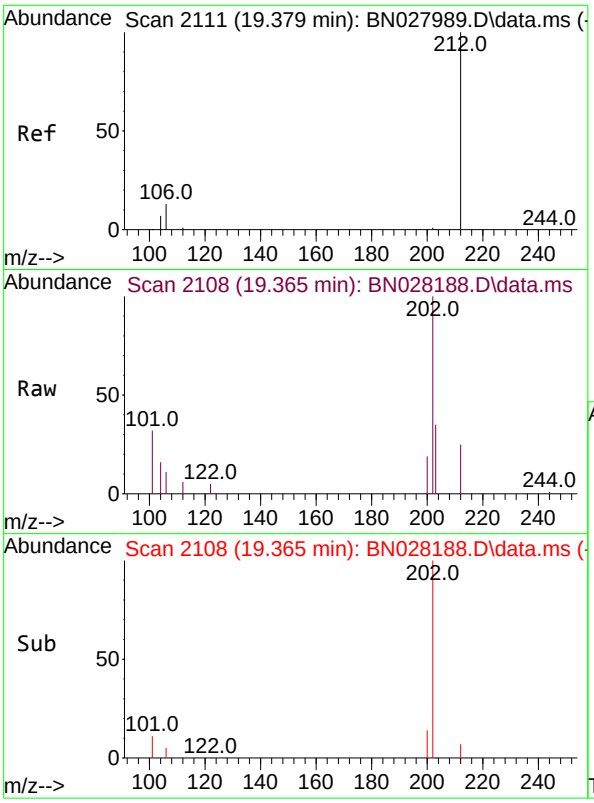


#26
Anthracene
Concen: 93.695 ng
RT: 17.455 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:178 Resp: 3522149

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	19.6	12.2	18.2#



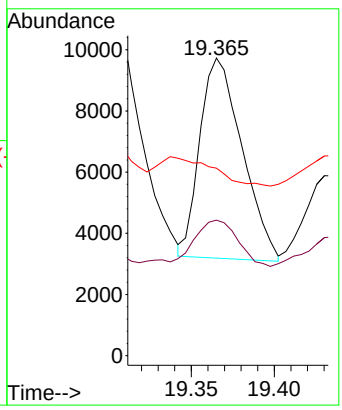


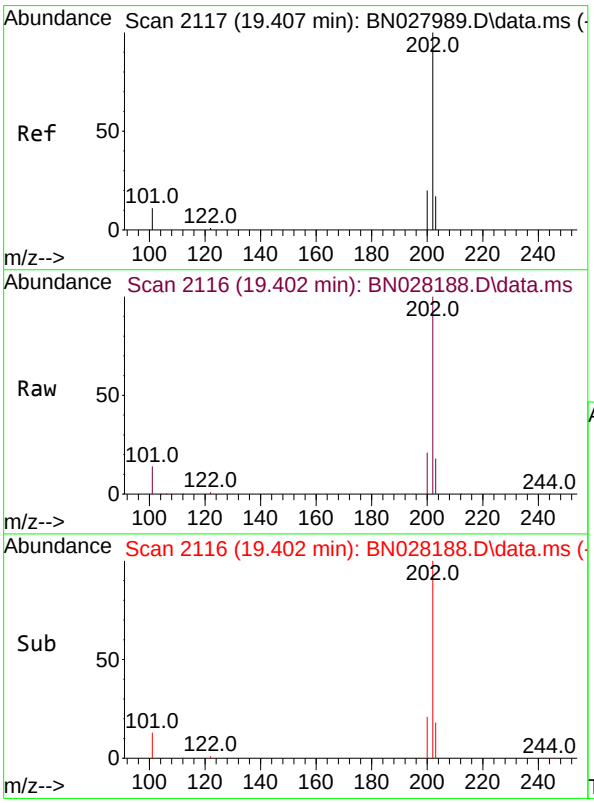
#27
Fluoranthene-d10
Concen: 0.313 ng
RT: 19.365 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 11583

Ion	Ratio	Lower	Upper
212	100		
106	25.3	11.3	16.9#
104	0.0	6.4	9.6#

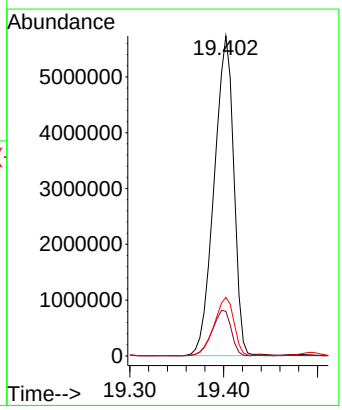


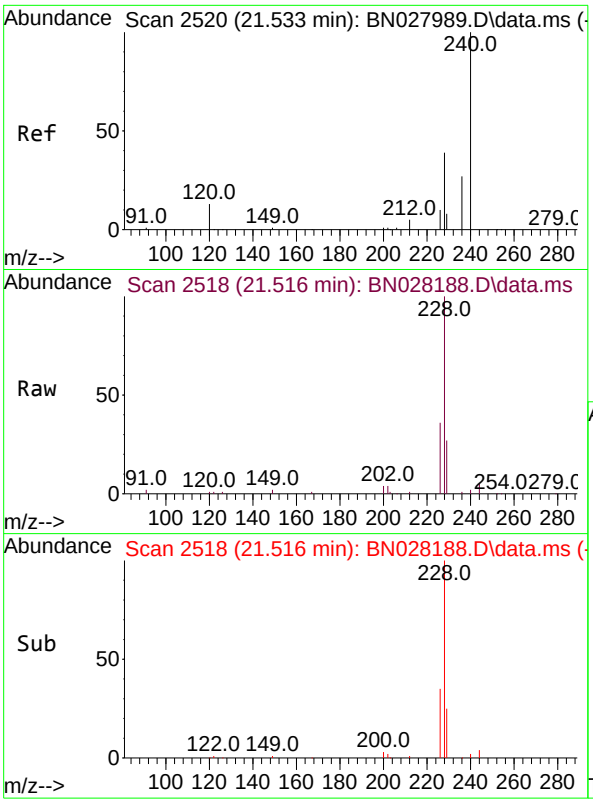


#28
Fluoranthene
Concen: 181.292 ng
RT: 19.402 min Scan# 2116
Delta R.T. 0.019 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:202 Resp: 8321083

Ion	Ratio	Lower	Upper
202	100		
101	14.0	9.8	14.6
203	18.3	13.8	20.8



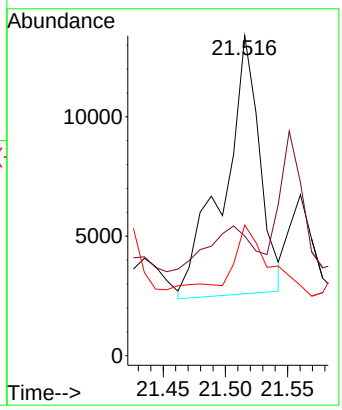


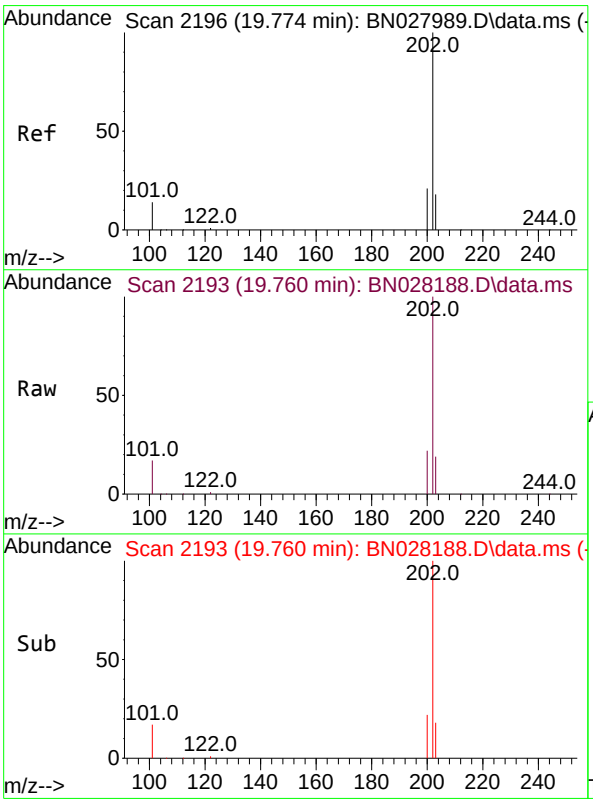
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.516 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 21779

Ion	Ratio	Lower	Upper
240	100		
120	37.3	13.8	20.6#
236	40.8	22.6	33.8#

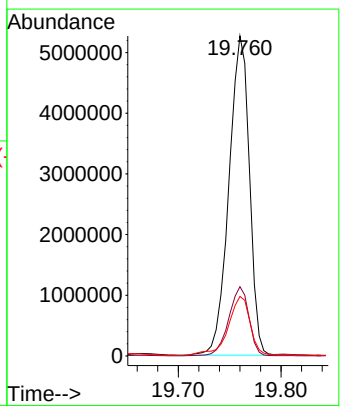


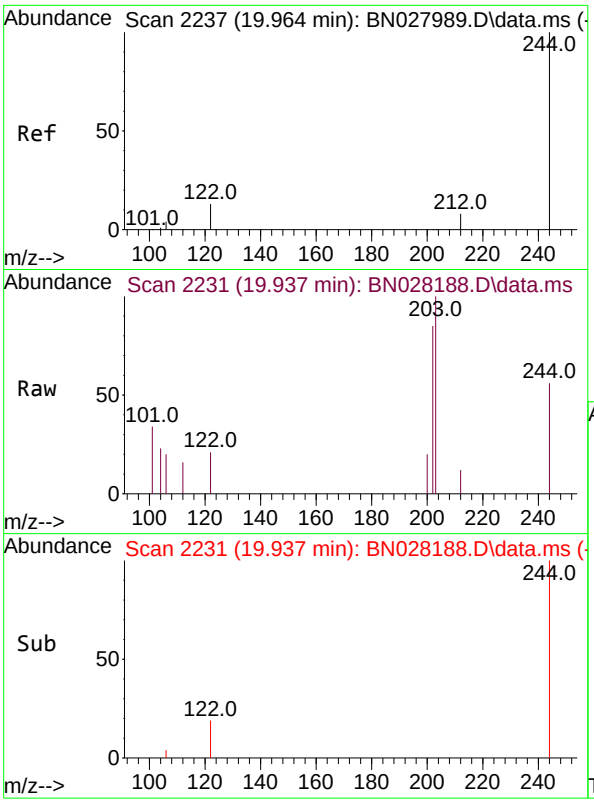


#30
Pyrene
Concen: 91.085 ng
RT: 19.760 min Scan# 2193
Delta R.T. 0.009 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:202 Resp: 7274220

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	20.0	14.7	22.1



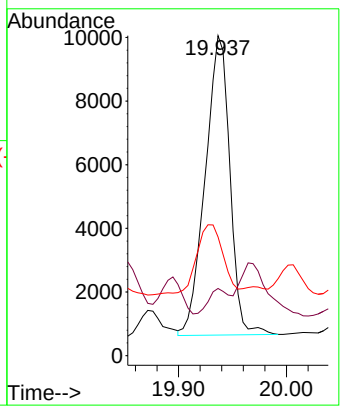


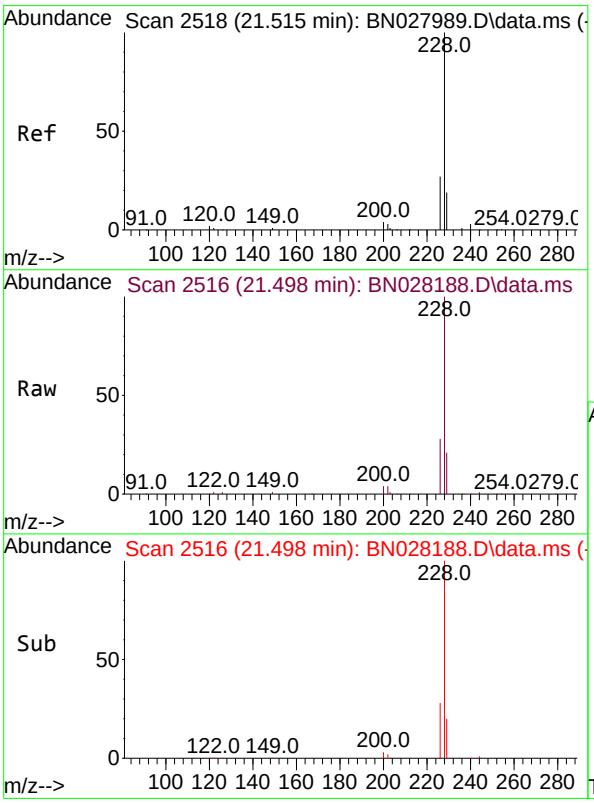
#31
Terphenyl-d14
Concen: 0.294 ng
RT: 19.937 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 14931

Ion	Ratio	Lower	Upper
244	100		
212	21.0	6.6	9.8#
122	37.1	11.4	17.0#

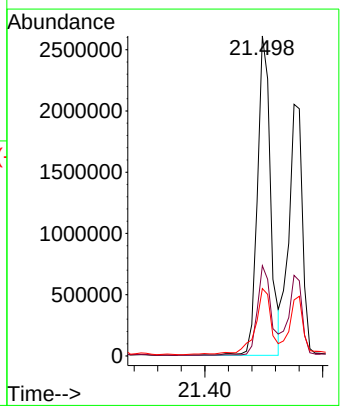


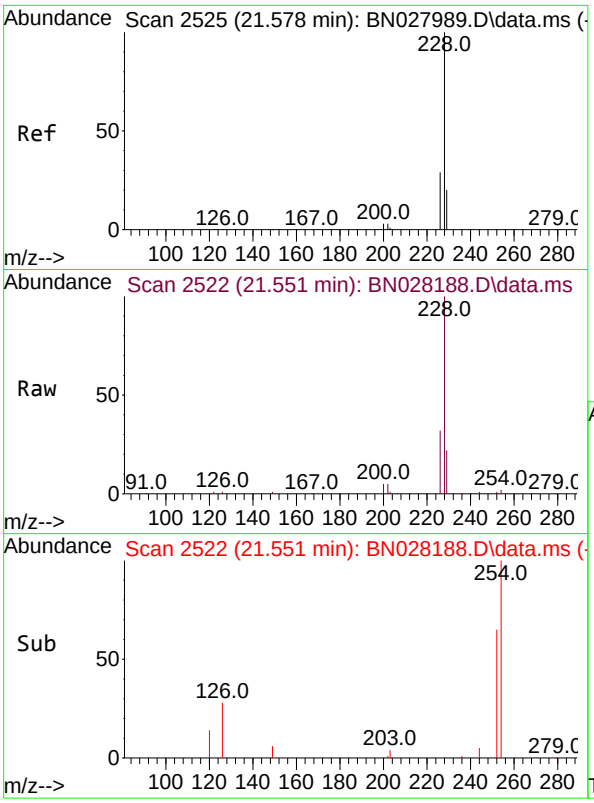


#32
Benzo(a)anthracene
Concen: 54.167 ng
RT: 21.498 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:228 Resp: 4014336

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.0	33.0
229	21.1	16.0	24.0



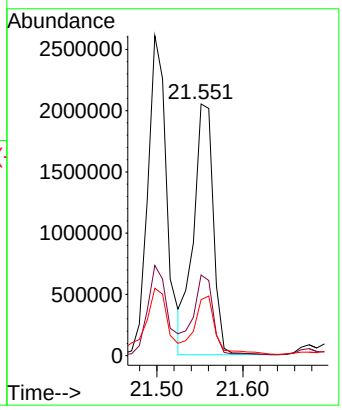


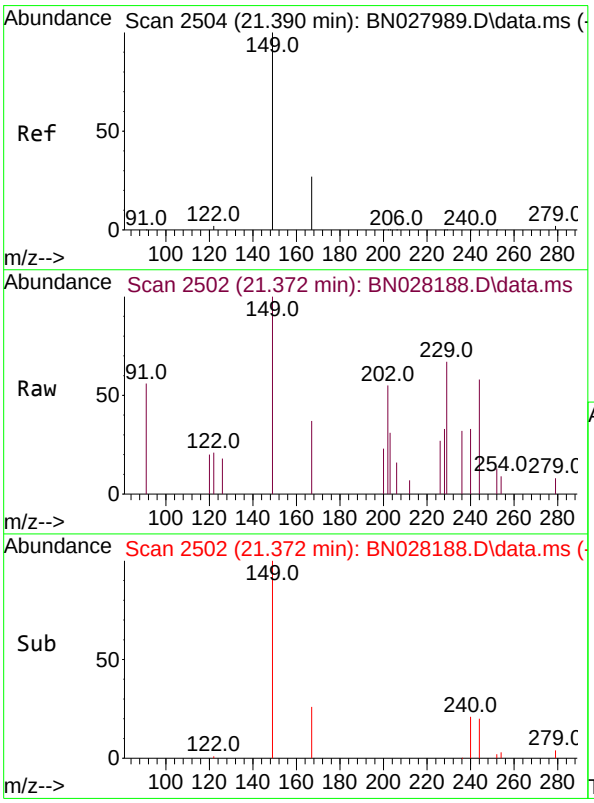
#33
Chrysene
Concen: 46.263 ng
RT: 21.551 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 3304097

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.8	35.8
229	22.2	16.6	25.0

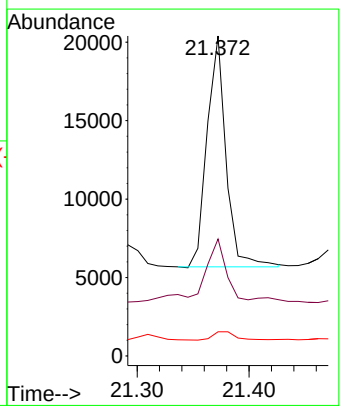


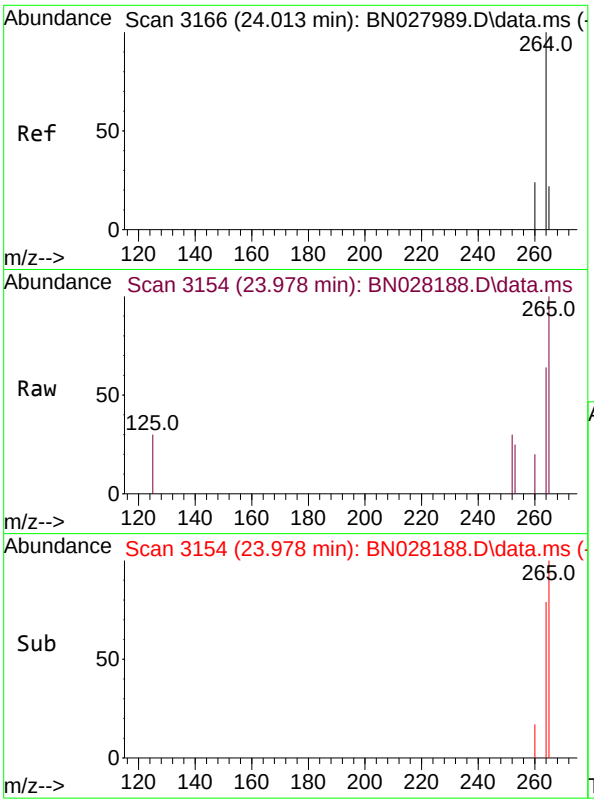


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.355 ng
RT: 21.372 min Scan# 2502
Delta R.T. 0.009 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:149 Resp: 17283

Ion	Ratio	Lower	Upper
149	100		
167	32.7	22.1	33.1
279	4.3	3.4	5.0



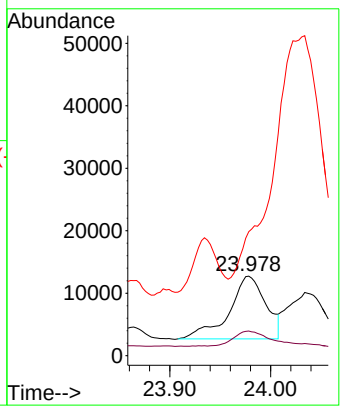


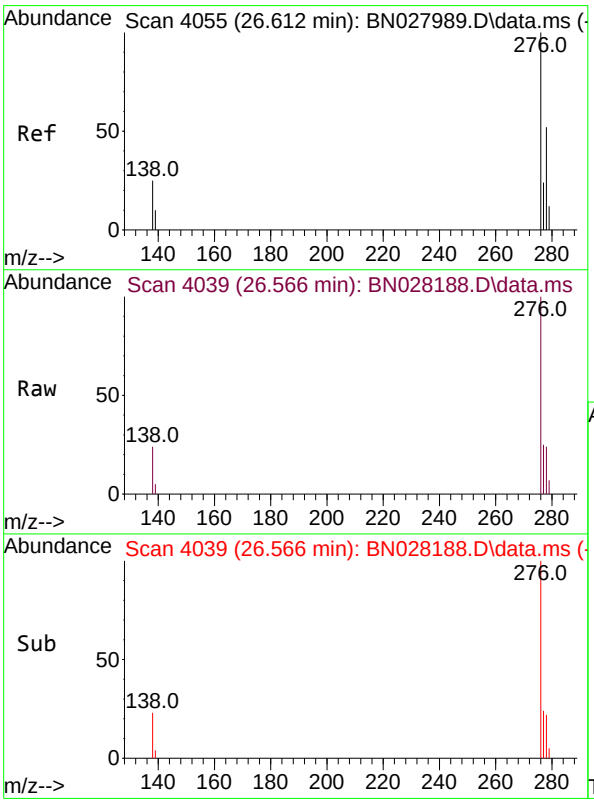
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.978 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 25522

Ion	Ratio	Lower	Upper
264	100		
260	31.0	20.2	30.4#
265	156.1	54.8	82.2#

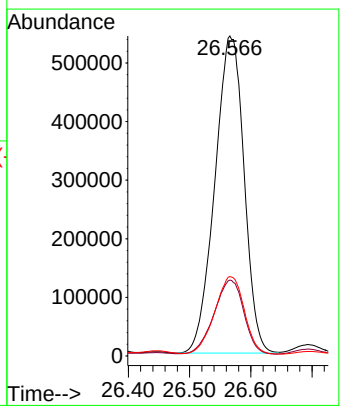


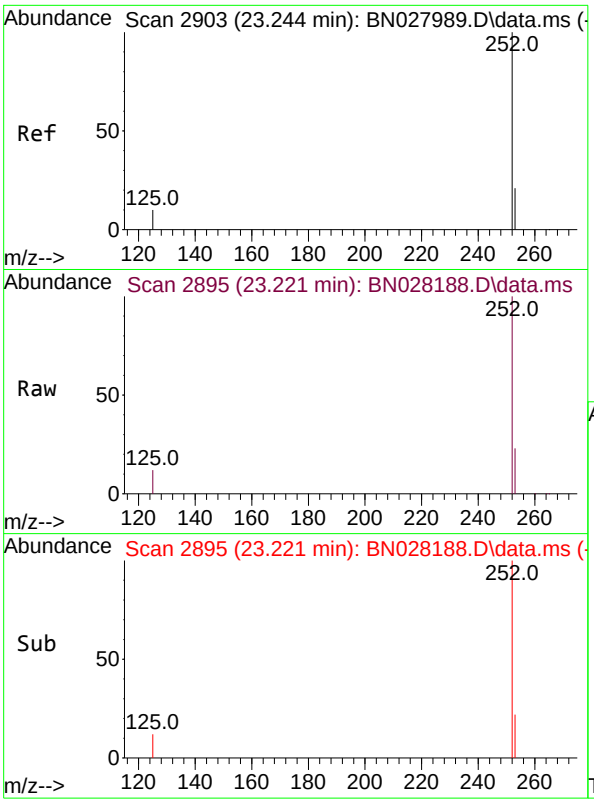


#36
Indeno(1,2,3-cd)pyrene
Concen: 20.906 ng
RT: 26.566 min Scan# 4039
Delta R.T. 0.009 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:276 Resp: 1794702

Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.9	31.3
277	24.7	19.8	29.6



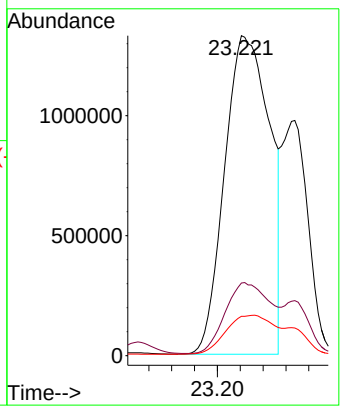


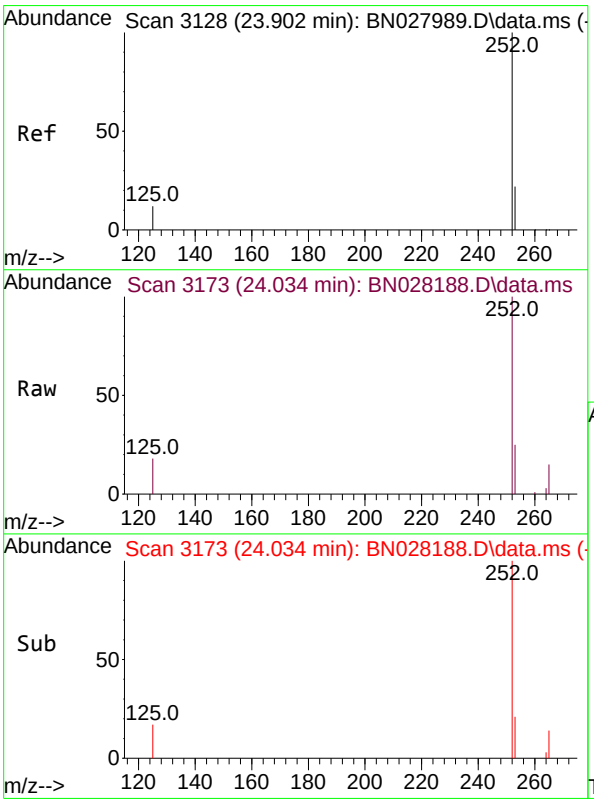
#37
Benzo(b)fluoranthene
Concen: 44.126 ng
RT: 23.221 min Scan# 2
Delta R.T. 0.009 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 3637170

Ion	Ratio	Lower	Upper
252	100		
253	22.7	22.9	34.3#
125	12.3	13.8	20.8#

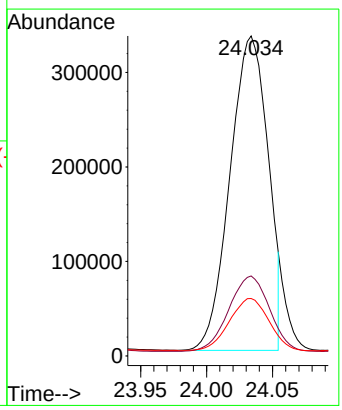


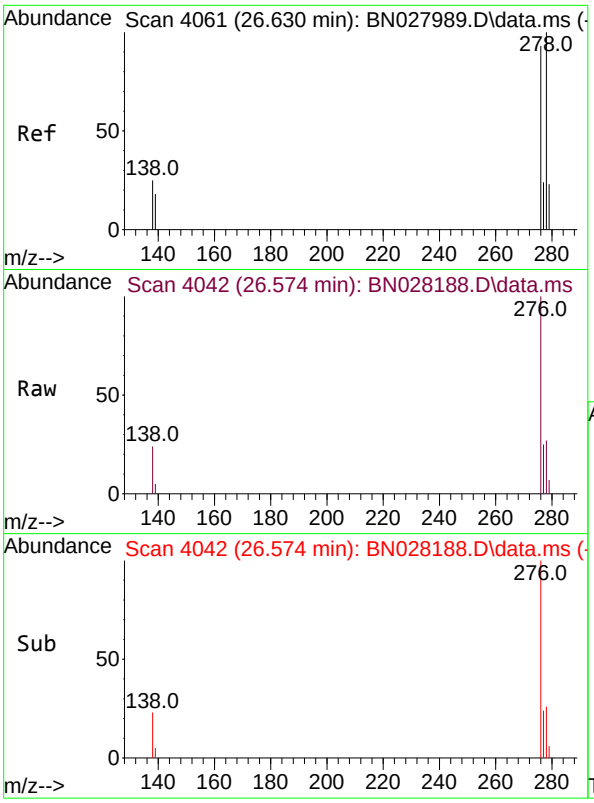


#39
Benzo(a)pyrene
Concen: 8.542 ng
RT: 24.034 min Scan# 3173
Delta R.T. 0.170 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:252 Resp: 665778

Ion	Ratio	Lower	Upper
252	100		
253	25.0	25.0	37.4
125	18.0	16.6	24.8



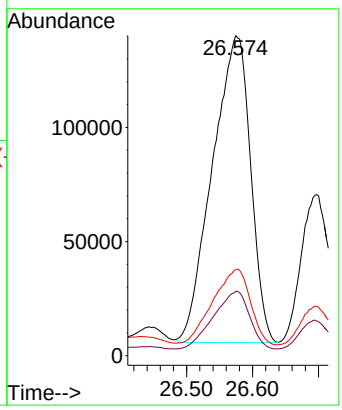


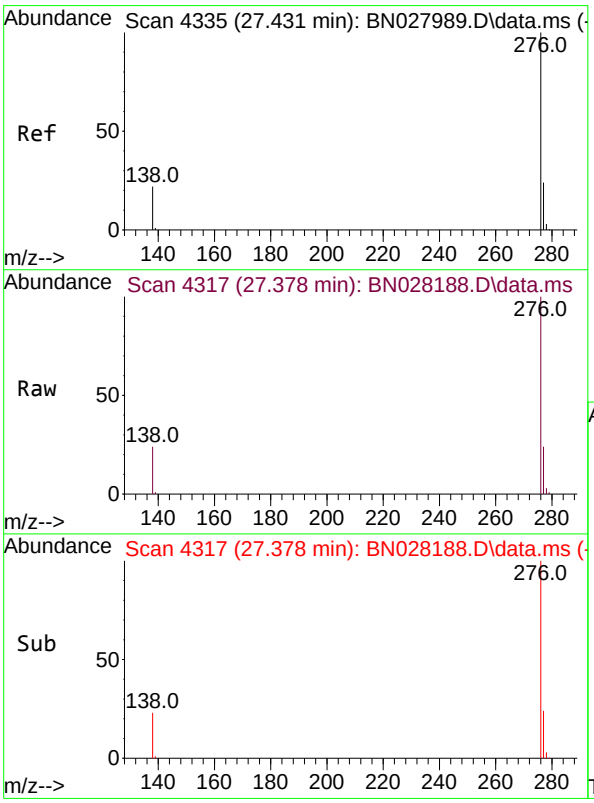
#40
Dibenzo(a,h)anthracene
Concen: 7.716 ng
RT: 26.574 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 541837

Ion	Ratio	Lower	Upper
278	100		
139	20.2	17.7	26.5
279	26.9	25.2	37.8





#41
Benzo(g,h,i)perylene
Concen: 23.252 ng
RT: 27.378 min Scan# 4317
Delta R.T. 0.012 min
Lab File: BN028188.D
Acq: 10 Oct 2023 08:38

Tgt Ion:276 Resp: 1676075

Ion	Ratio	Lower	Upper
276	100		
277	24.0	22.1	33.1
138	23.8	20.8	31.2