Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028158.D
Acq On : 09 Oct 2023 13:22
Operator : MA/JU
Sample : PB155839BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Quant Time: Oct 09 14:02:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 12:40:55 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	3915	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11237	0.400	ng	0.00
13) Acenaphthene-d10	14.565	164	5284	0.400	ng	0.00
19) Phenanthrene-d10	17.331	188	10088	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	9205	0.400	ng	0.00
35) Perylene-d12	23.981	264	9785	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	3755	0.322	ng	0.00
5) Phenol-d6	7.091	99	4292	0.291	ng	0.00
8) Nitrobenzene-d5	9.123	82	3595	0.376	ng	0.00
11) 2-Methylnaphthalene-d10	12.328	152	7447	0.447	ng	0.00
14) 2,4,6-Tribromophenol	16.077	330	555	0.229	ng	0.00
15) 2-Fluorobiphenyl	13.197	172	8199	0.431	ng	0.00
27) Fluoranthene-d10	19.360	212	9345	0.369	ng	0.00
31) Terphenyl-d14	19.946	244	8484	0.395	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.357	88	1559	0.355	ng	# 82
3) n-Nitrosodimethylamine	3.704	42	2021	0.402	ng	# 95
6) bis(2-Chloroethyl)ether	7.365	93	4011	0.338	ng	92
9) Naphthalene	10.788	128	11292	0.389	ng	100
10) Hexachlorobutadiene	11.013	225	2047	0.397	ng	# 100
12) 2-Methylnaphthalene	12.404	142	6650	0.327	ng	98
16) Acenaphthylene	14.298	152	8277	0.354	ng	99
17) Acenaphthene	14.630	154	5681	0.381	ng	99
18) Fluorene	15.618	166	6977	0.360	ng	99
20) 4,6-Dinitro-2-methylph...	16.785	198	42	0.313	ng	# 77
21) 4-Bromophenyl-phenylether	16.512	248	1914	0.364	ng	# 83
22) Hexachlorobenzene	16.599	284	2269	0.411	ng	96
23) Atrazine	16.785	200	1431	0.312	ng	97
24) Pentachlorophenol	16.971	266	6757	2.600	ng	93
25) Phenanthrene	17.368	178	10355	0.381	ng	100
26) Anthracene	17.467	178	8695	0.338	ng	99
28) Fluoranthene	19.388	202	11544	0.368	ng	99
30) Pyrene	19.755	202	11883	0.352	ng	99
32) Benzo(a)anthracene	21.497	228	11243	0.359	ng	99
33) Chrysene	21.551	228	11762	0.390	ng	98
34) Bis(2-ethylhexyl)phtha...	21.372	149	5100	0.248	ng	98
36) Indeno(1,2,3-cd)pyrene	26.571	276	14981	0.455	ng	99
37) Benzo(b)fluoranthene	23.218	252	12177	0.385	ng	99
38) Benzo(k)fluoranthene	23.267	252	11665	0.364	ng	97
39) Benzo(a)pyrene	23.873	252	10449	0.350	ng	95
40) Dibenzo(a,h)anthracene	26.586	278	12178	0.452	ng	97
41) Benzo(g,h,i)perylene	27.378	276	12917	0.467	ng	97

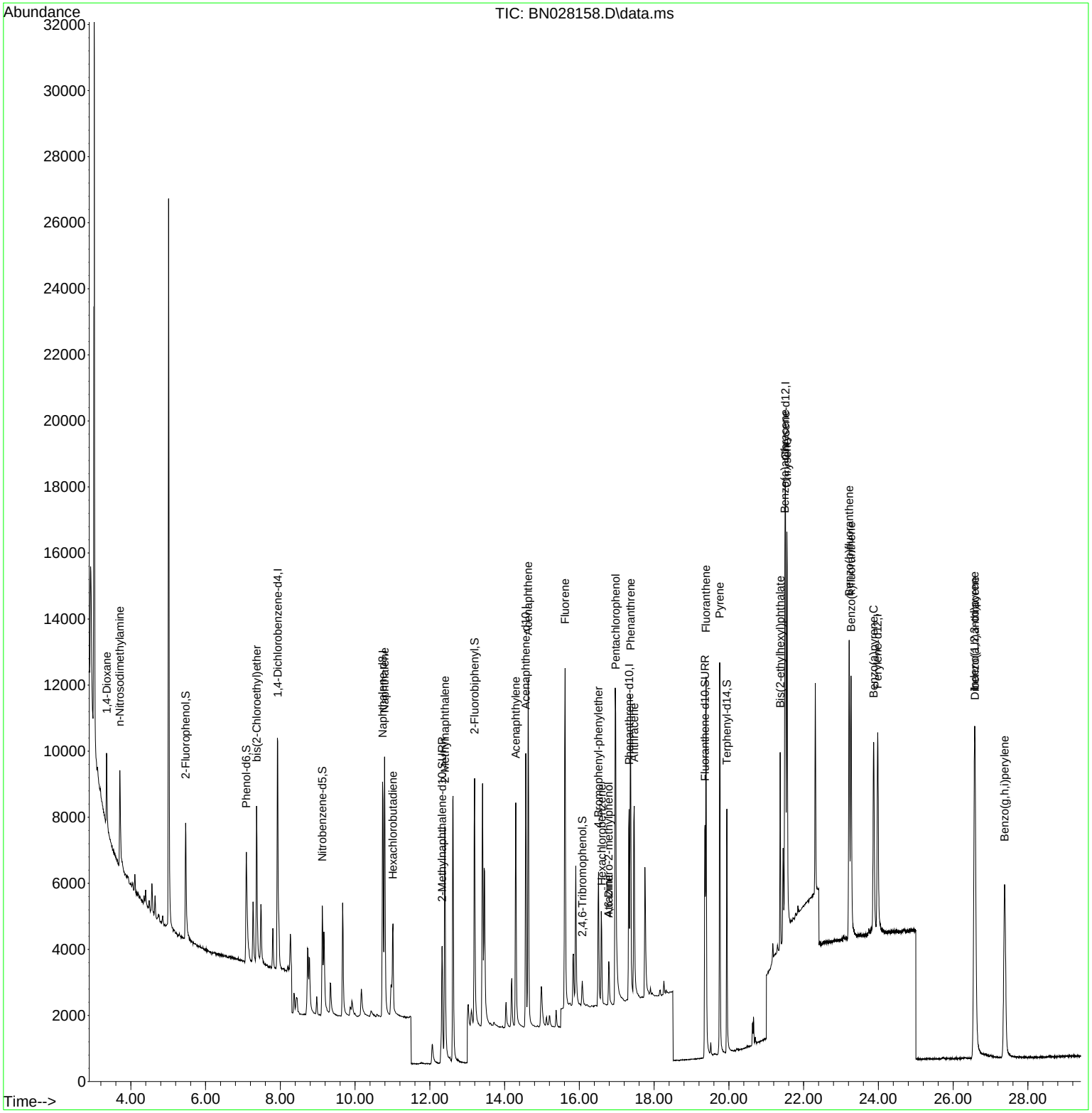
(#) = qualifier out of range (m) = manual integration (+) = signals summed

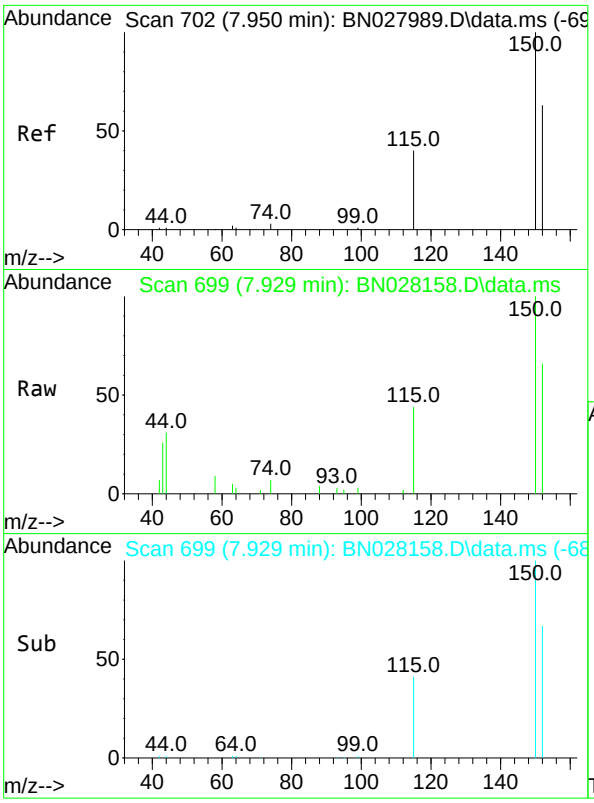
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100923\
Data File : BN028158.D
Acq On : 09 Oct 2023 13:22
Operator : MA/JU
Sample : PB155839BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Quant Time: Oct 09 14:02:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 12:40:55 2023
Response via : Initial Calibration



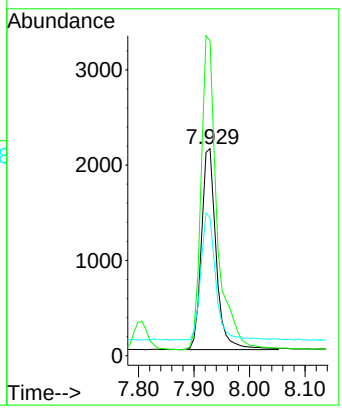


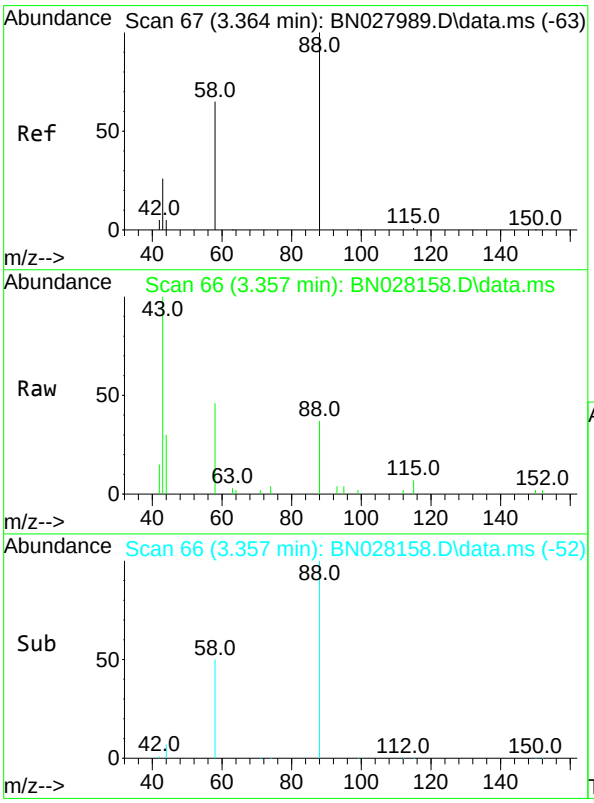
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.929 min Scan# 6
Delta R.T. 0.007 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:152 Resp: 3915

Ion	Ratio	Lower	Upper
152	100		
150	151.9	125.6	188.4
115	66.6	54.8	82.2

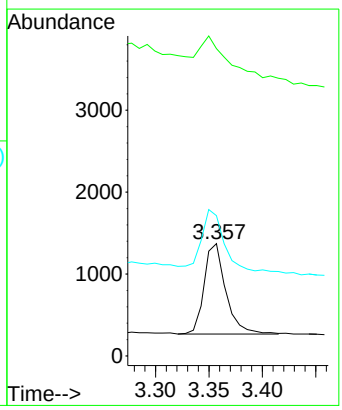


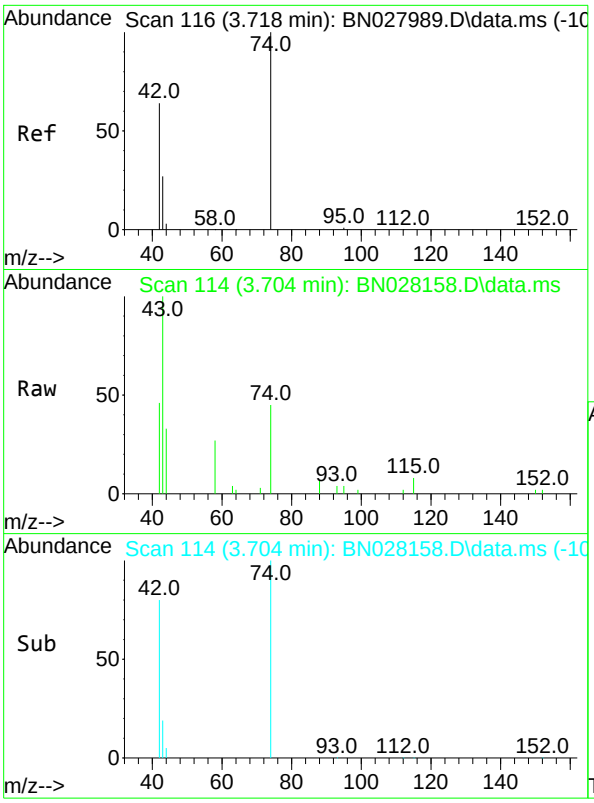


#2
1,4-Dioxane
Concen: 0.355 ng
RT: 3.357 min Scan# 66
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion: 88 Resp: 1559

Ion	Ratio	Lower	Upper
88	100		
43	55.5	24.6	36.8#
58	72.0	53.8	80.6



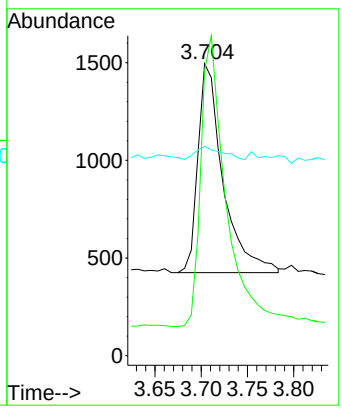


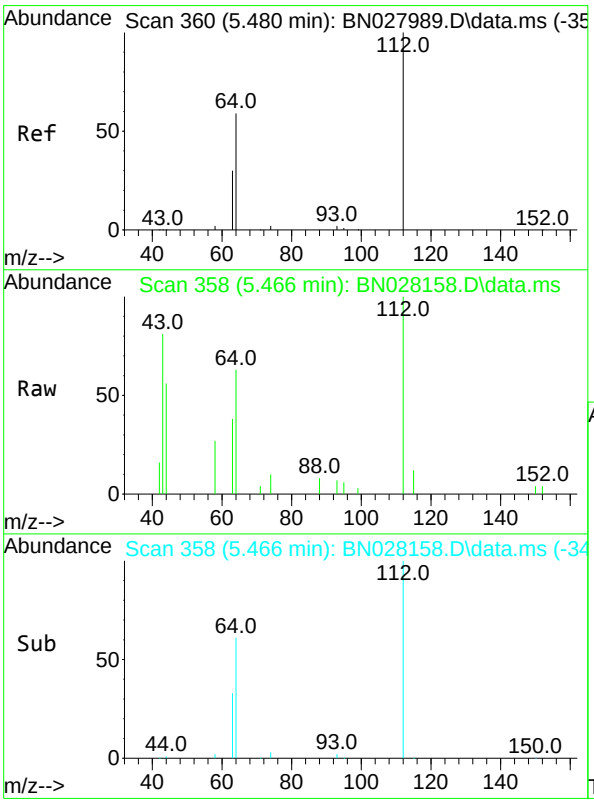
#3
n-Nitrosodimethylamine
Concen: 0.402 ng
RT: 3.704 min Scan# 1
Delta R.T. -0.007 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion: 42 Resp: 2021

Ion	Ratio	Lower	Upper
42	100		
74	138.6	115.9	173.9
44	6.5	8.0	12.0#

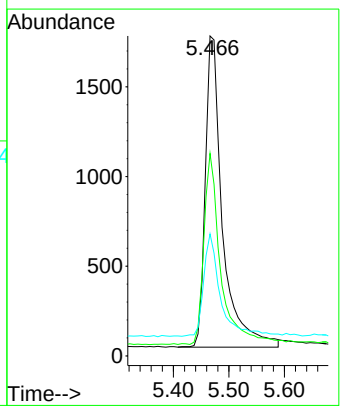


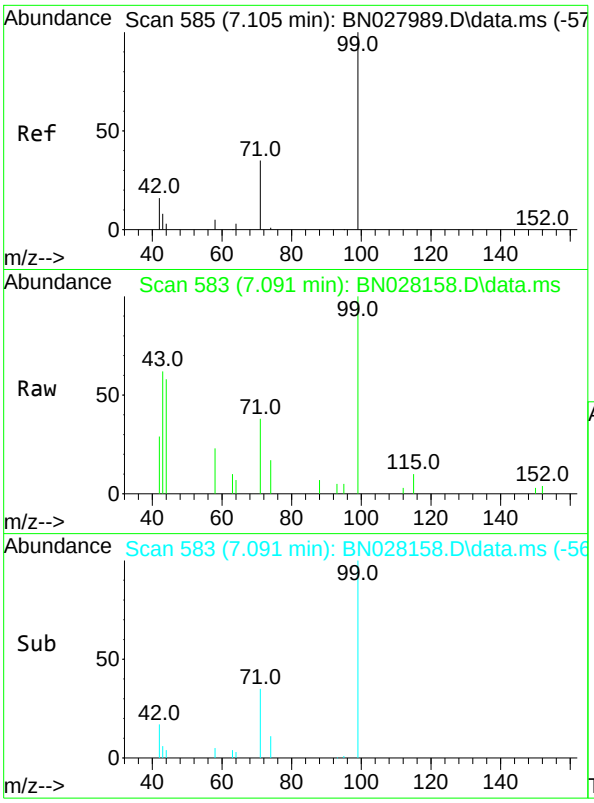


#4
2-Fluorophenol
Concen: 0.322 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:112 Resp: 3755

Ion	Ratio	Lower	Upper
112	100		
64	59.8	45.0	67.6
63	31.9	23.4	35.0



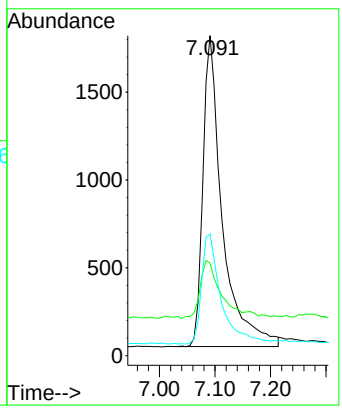


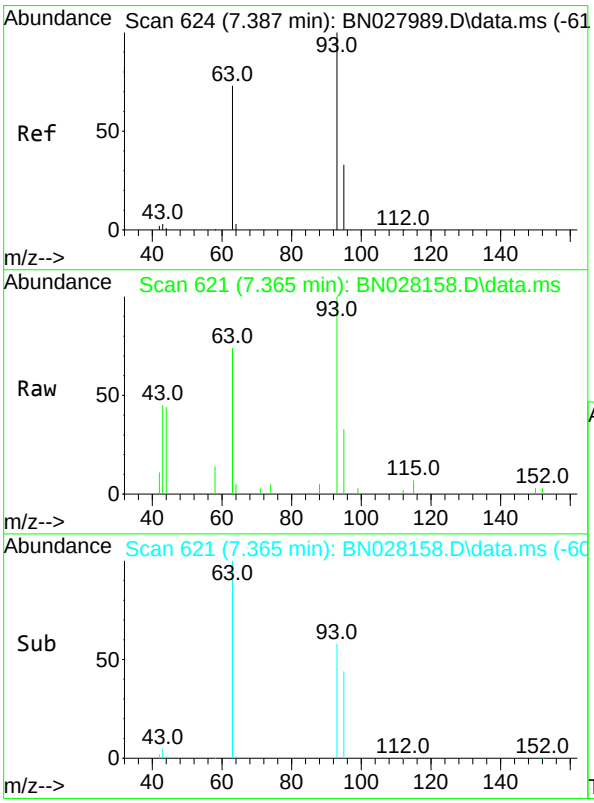
#5
Phenol-d6
Concen: 0.291 ng
RT: 7.091 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion: 99 Resp: 4292

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.6	22.0
71	36.2	28.3	42.5

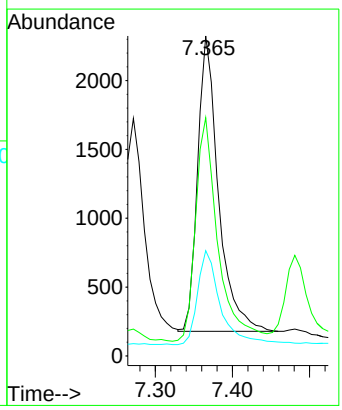


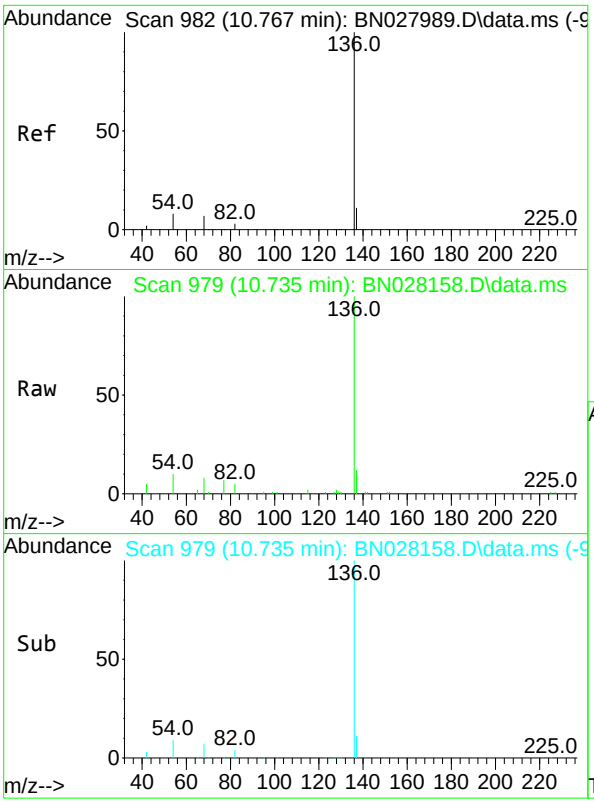


#6
bis(2-Chloroethyl)ether
Concen: 0.338 ng
RT: 7.365 min Scan# 621
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion: 93 Resp: 4011

Ion	Ratio	Lower	Upper
93	100		
63	81.6	58.8	88.2
95	35.6	26.6	39.8



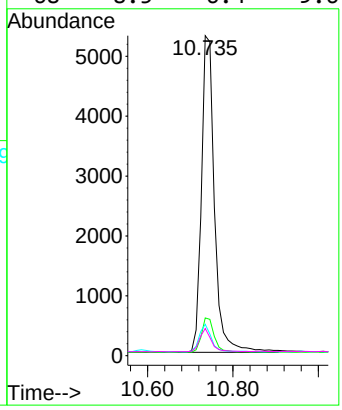


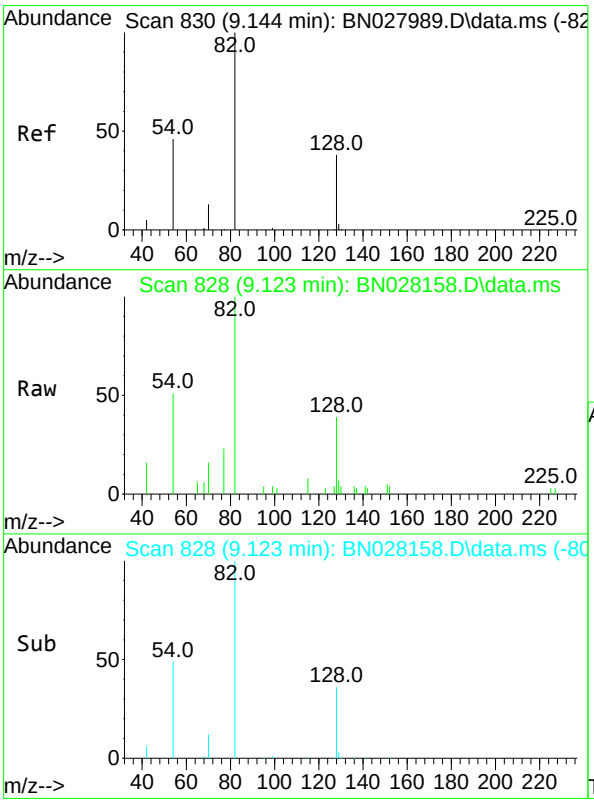
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:136 Resp: 11237

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.0
54	9.8	7.0	10.6
68	8.5	6.4	9.6

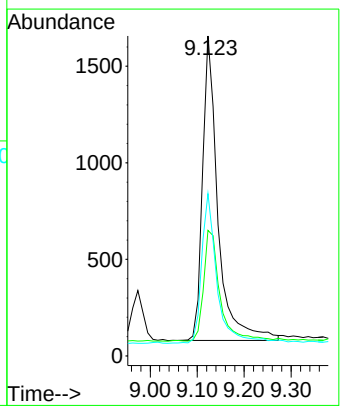


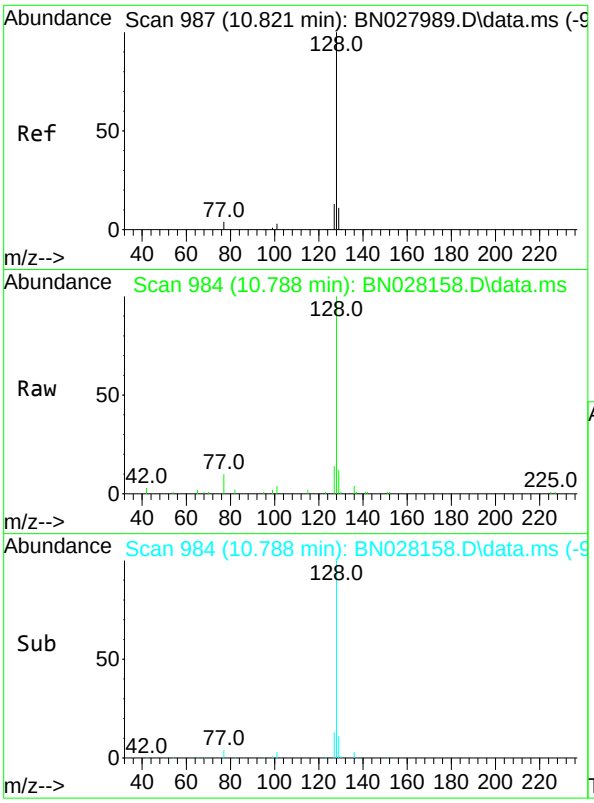


#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 9.123 min Scan# 828
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion: 82 Resp: 3595

Ion	Ratio	Lower	Upper
82	100		
128	39.2	32.7	49.1
54	50.8	38.7	58.1



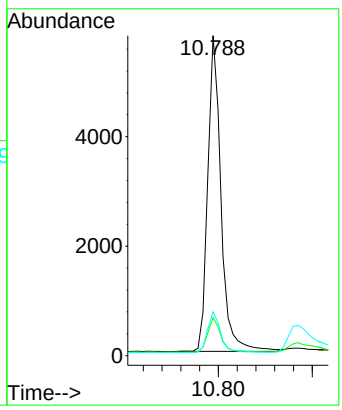


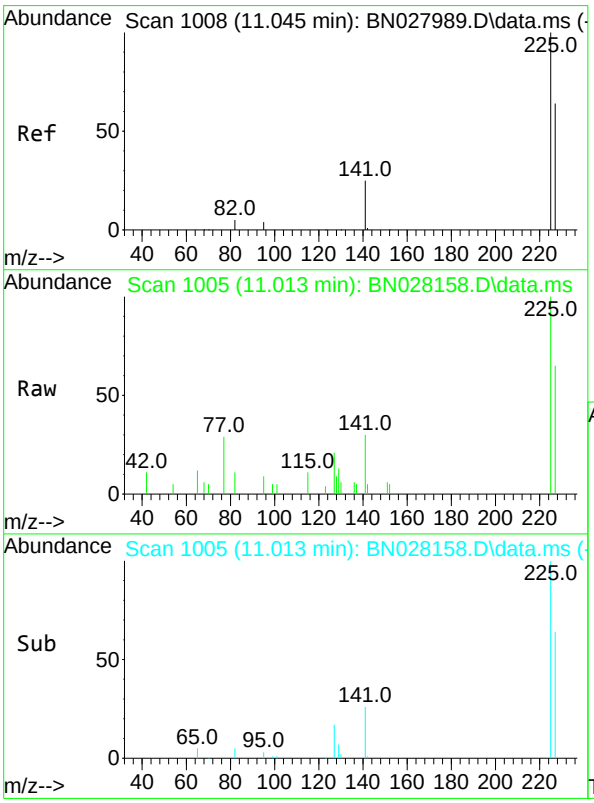
#9
Naphthalene
Concen: 0.389 ng
RT: 10.788 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:128 Resp: 11292

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.4	14.2
127	13.7	10.9	16.3

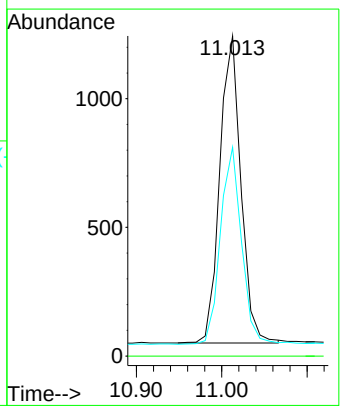


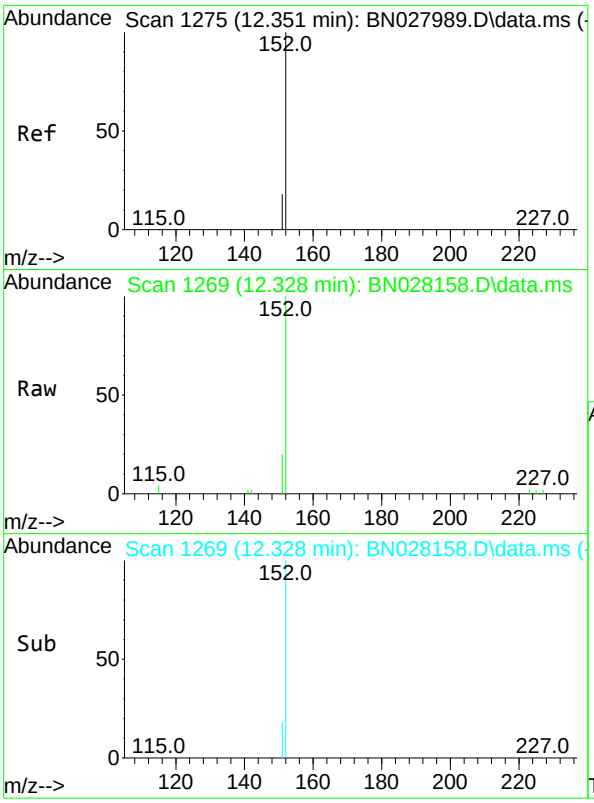


#10
Hexachlorobutadiene
Concen: 0.397 ng
RT: 11.013 min Scan# 1005
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:225 Resp: 2047

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.3	76.9



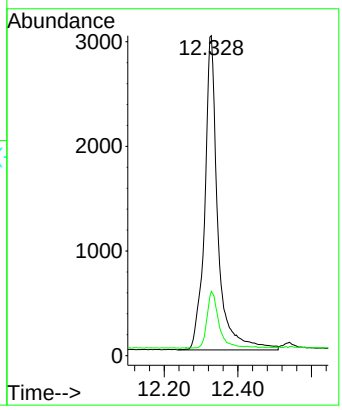


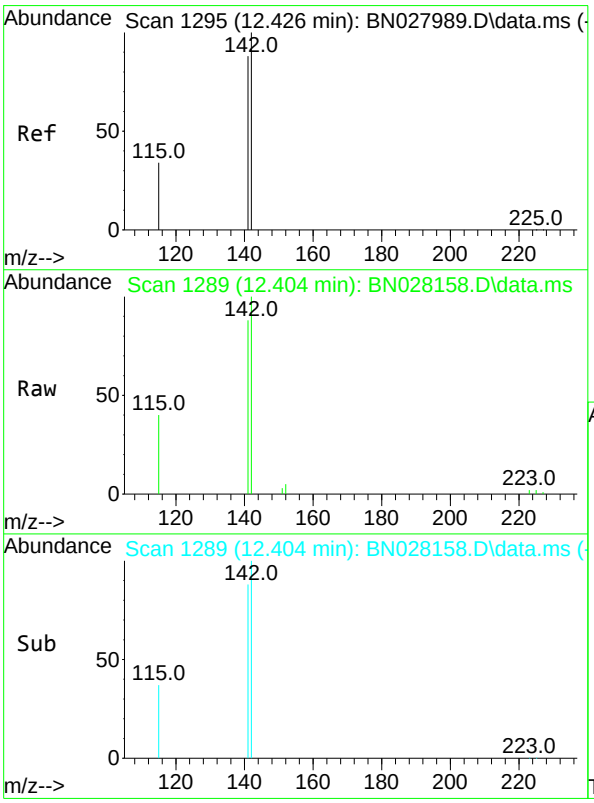
#11
2-Methylnaphthalene-d10
Concen: 0.447 ng
RT: 12.328 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:152 Resp: 7447

Ion	Ratio	Lower	Upper
152	100		
151	16.0	16.5	24.7#

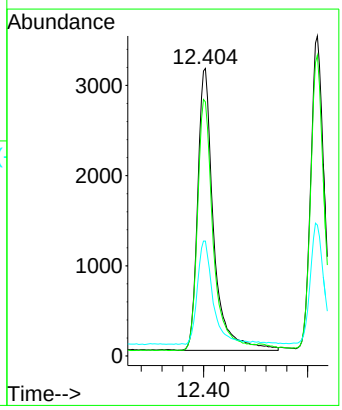


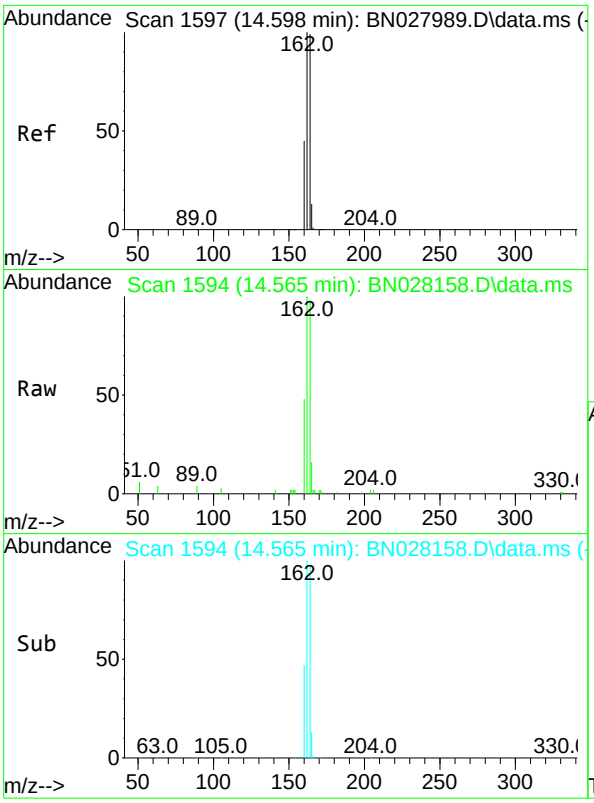


#12
2-Methylnaphthalene
Concen: 0.327 ng
RT: 12.404 min Scan# 1289
Delta R.T. 0.004 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:142 Resp: 6650

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.7	106.1
115	40.0	28.6	42.8



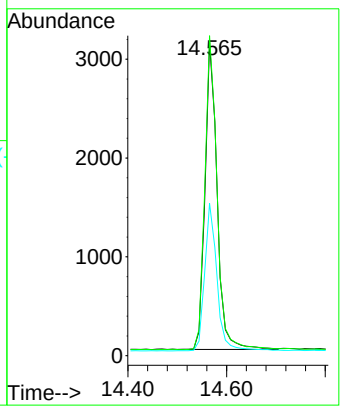


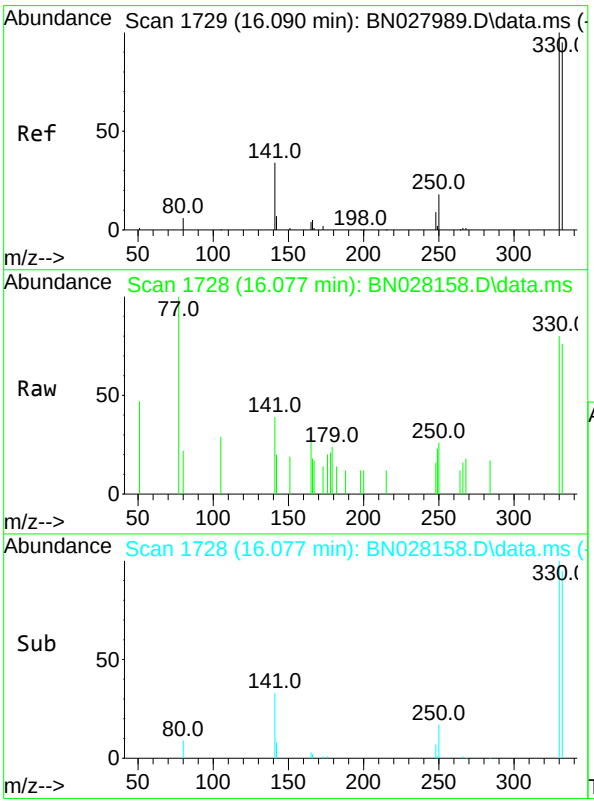
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.565 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:164 Resp: 5284

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.8	121.2
160	48.7	36.4	54.6

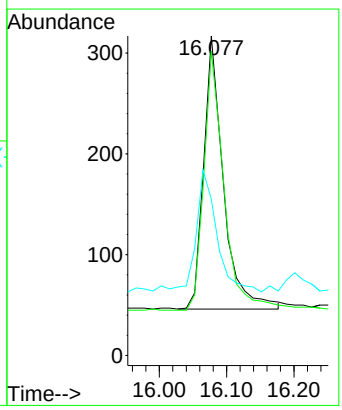


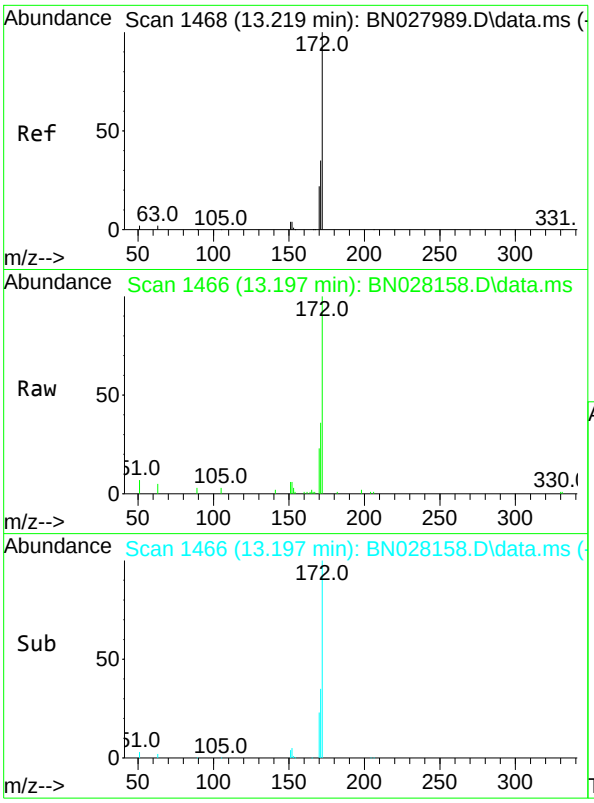


#14
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 16.077 min Scan# 1728
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:330 Resp: 555

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.1	117.1
141	45.9	33.4	50.2



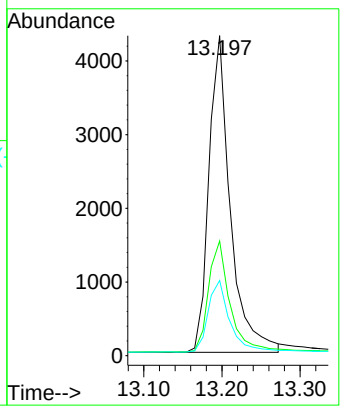


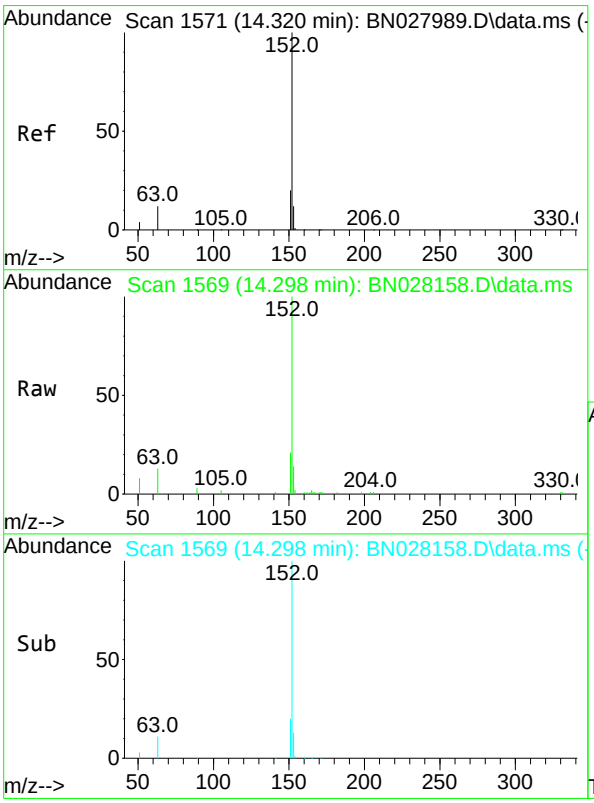
#15
2-Fluorobiphenyl
Concen: 0.431 ng
RT: 13.197 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:172 Resp: 8199

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.1	42.1
170	23.5	18.4	27.6

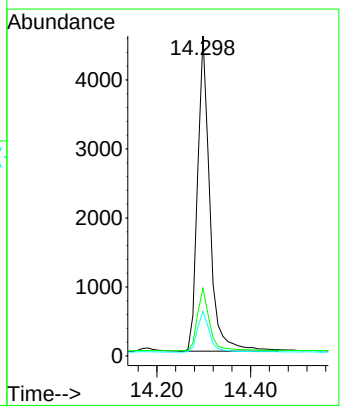


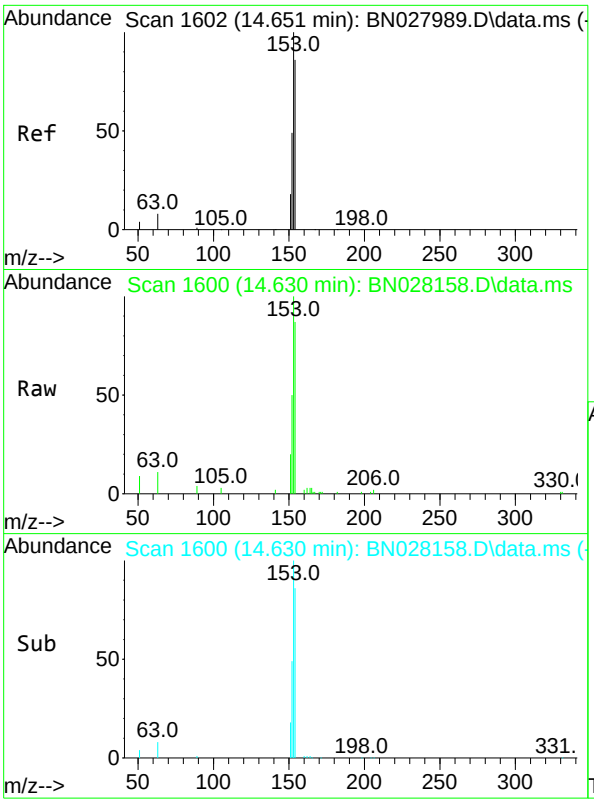


#16
Acenaphthylene
Concen: 0.354 ng
RT: 14.298 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:152 Resp: 8277

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	13.3	10.2	15.4



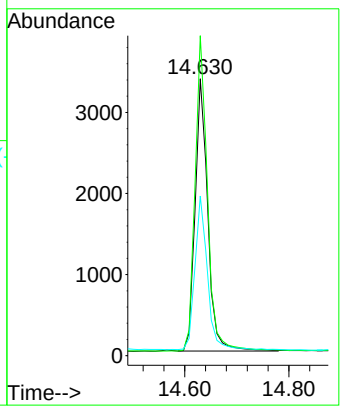


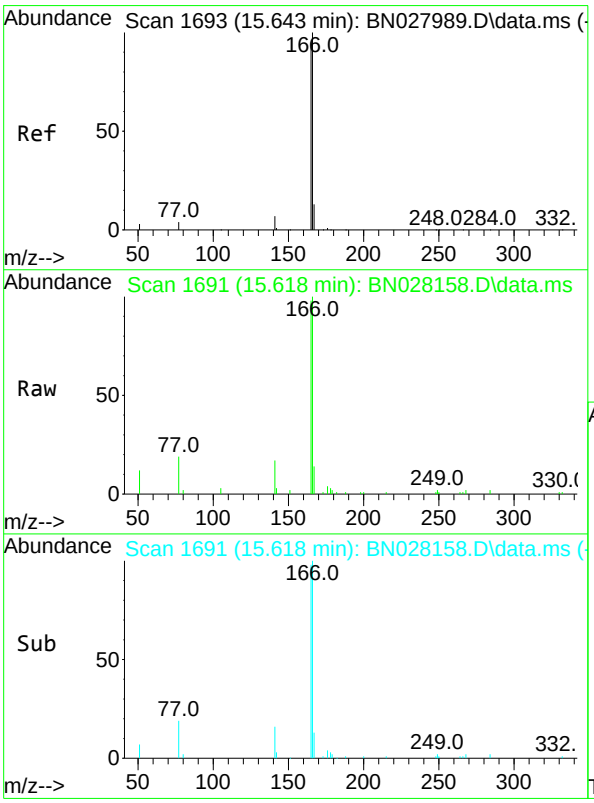
#17
Acenaphthene
Concen: 0.381 ng
RT: 14.630 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:154 Resp: 5681

Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.8	136.2
152	56.0	43.9	65.9

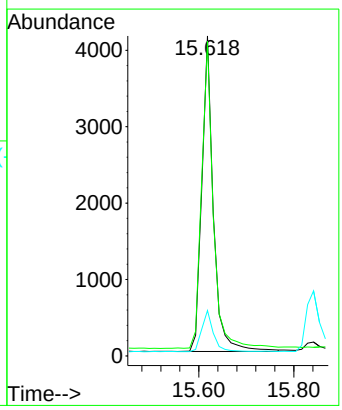


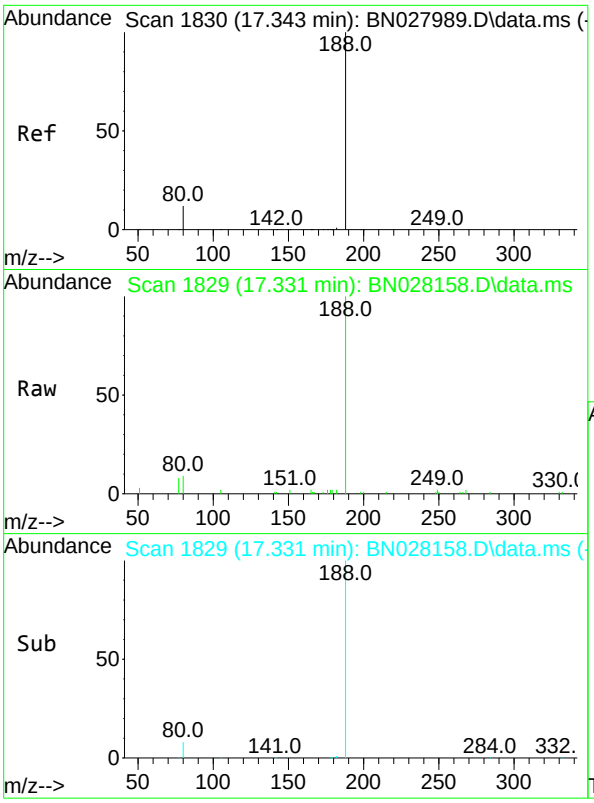


#18
Fluorene
Concen: 0.360 ng
RT: 15.618 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:166 Resp: 6977

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.8	116.8
167	13.1	10.7	16.1





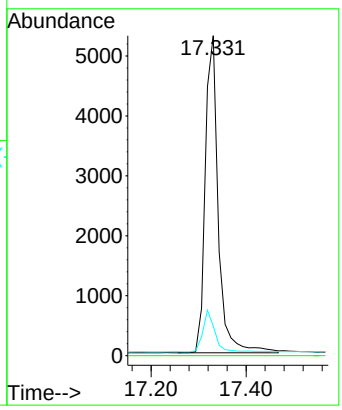
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.331 min Scan# 1

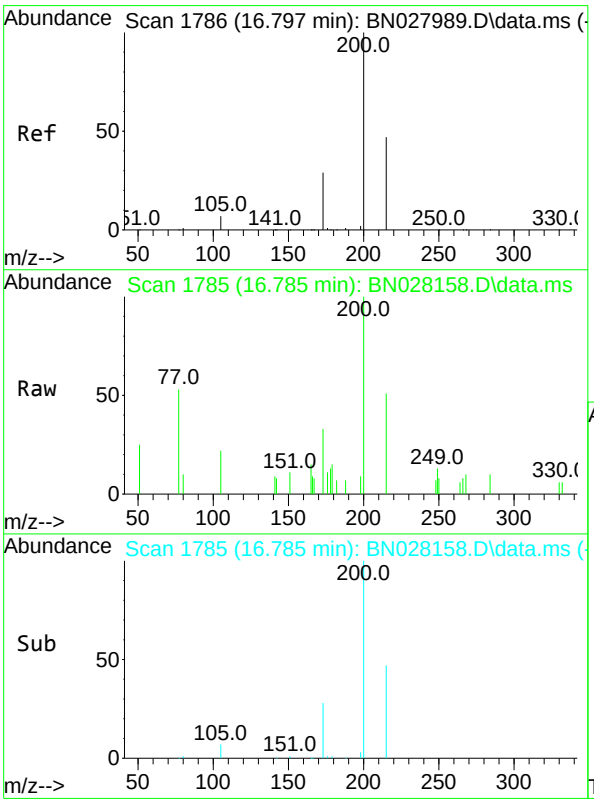
Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:188 Resp: 10088

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	10.2	15.4#

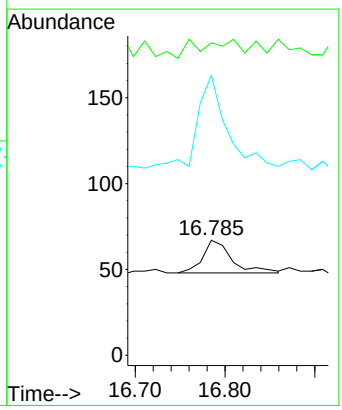


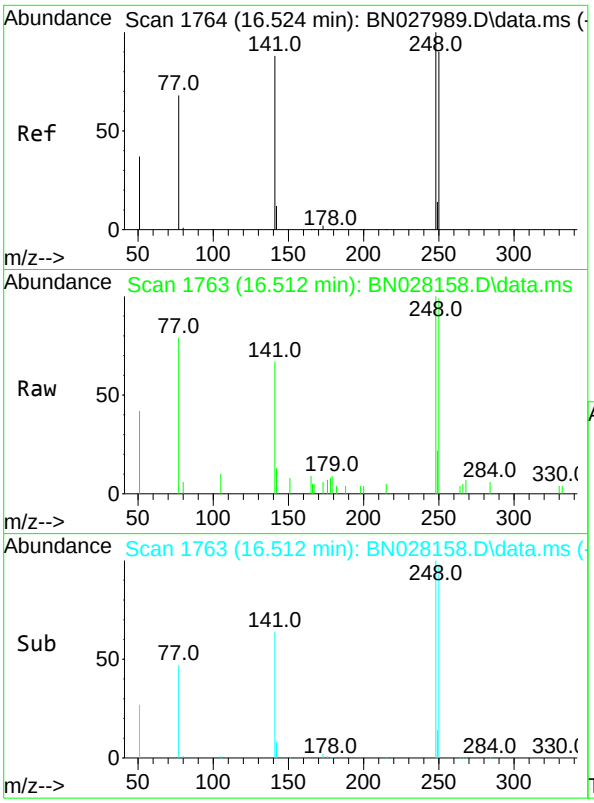


#20
4,6-Dinitro-2-methylphenol
Concen: 0.313 ng
RT: 16.785 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:198 Resp: 42

Ion	Ratio	Lower	Upper
198	100		
51	271.6	180.7	271.1#
105	243.3	222.2	333.2



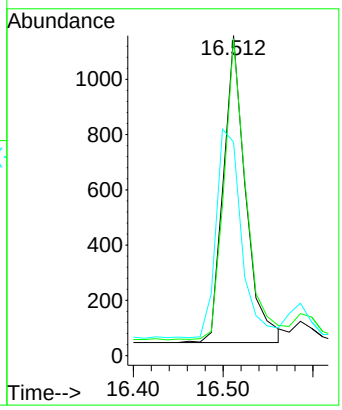


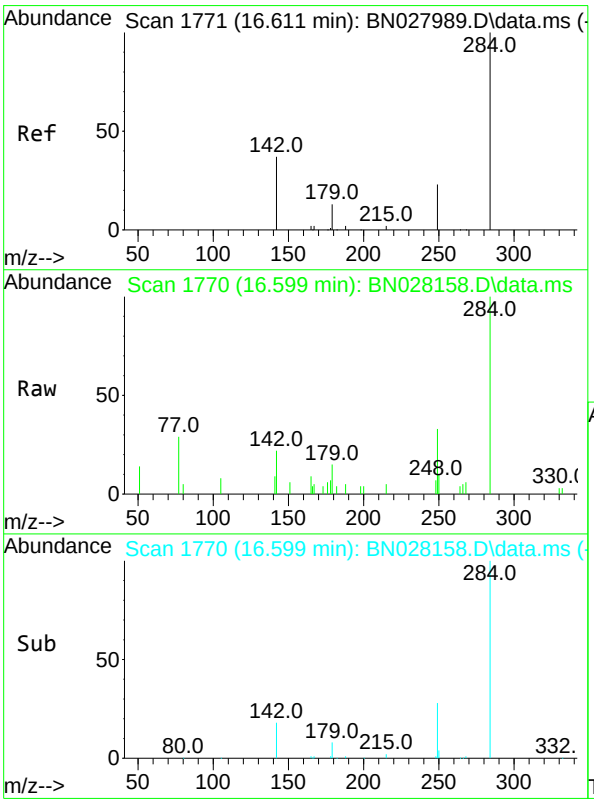
#21
4-Bromophenyl-phenylether
Concen: 0.364 ng
RT: 16.512 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:248 Resp: 1914

Ion	Ratio	Lower	Upper
248	100		
250	99.1	72.3	108.5
141	66.8	71.8	107.6#

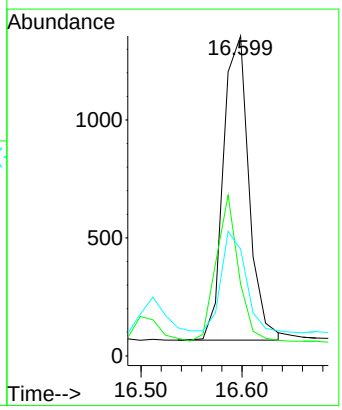


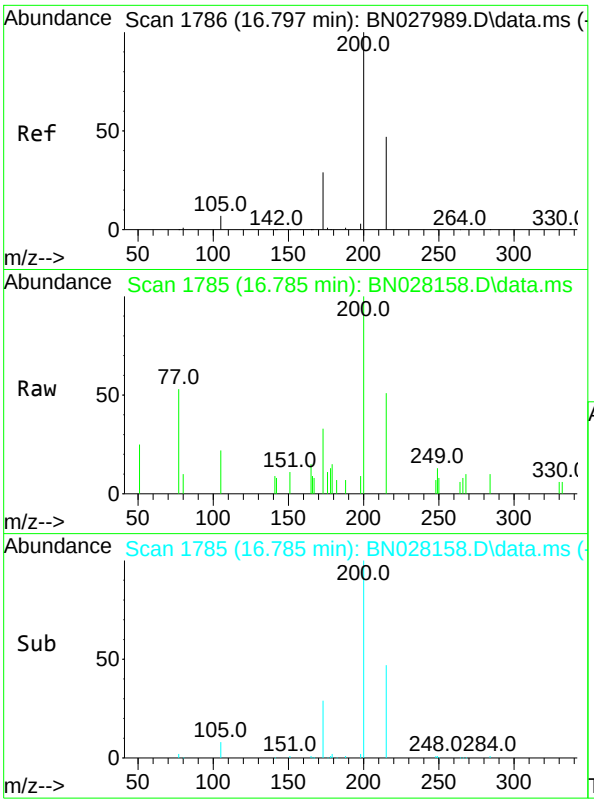


#22
Hexachlorobenzene
Concen: 0.411 ng
RT: 16.599 min Scan# 1770
Delta R.T. 0.012 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:284 Resp: 2269

Ion	Ratio	Lower	Upper
284	100		
142	41.7	29.9	44.9
249	30.6	25.0	37.4



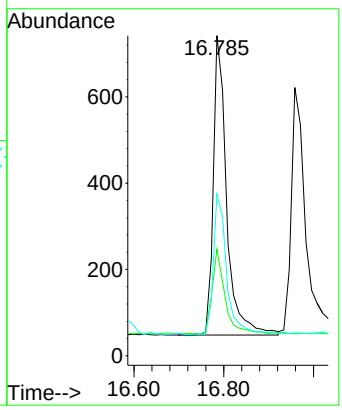


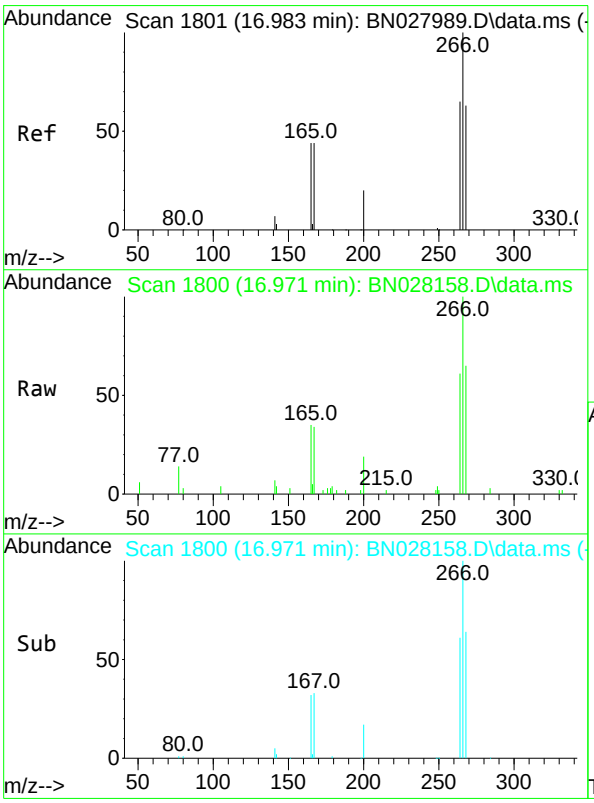
#23
Atrazine
Concen: 0.312 ng
RT: 16.785 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:200 Resp: 1431

Ion	Ratio	Lower	Upper
200	100		
173	33.3	24.7	37.1
215	50.5	39.0	58.6

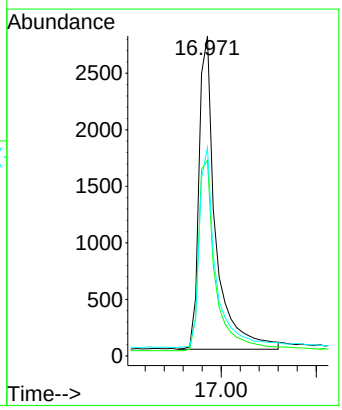


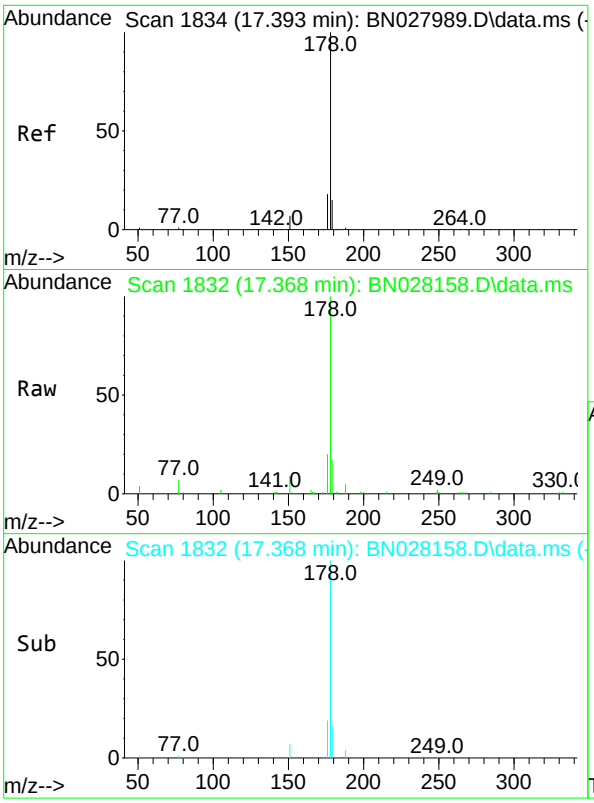


#24
Pentachlorophenol
Concen: 2.600 ng
RT: 16.971 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:266 Resp: 6757

Ion	Ratio	Lower	Upper
266	100		
264	61.9	52.7	79.1
268	63.7	56.2	84.2



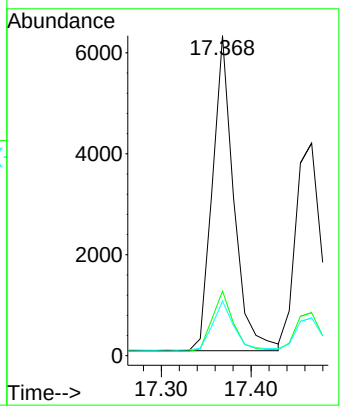


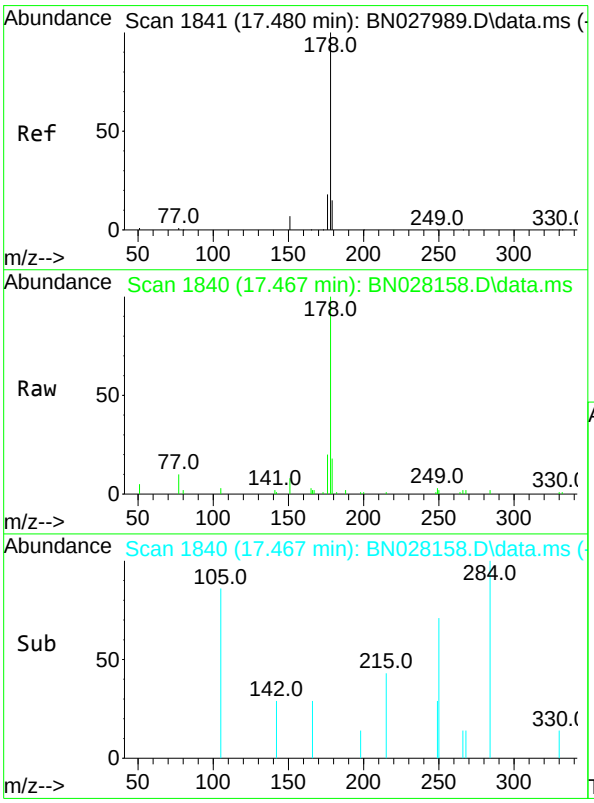
#25
Phenanthrene
Concen: 0.381 ng
RT: 17.368 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:178 Resp: 10355

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.4	18.6

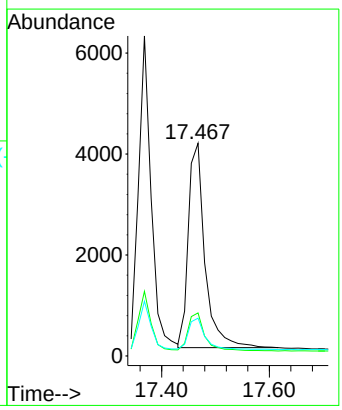


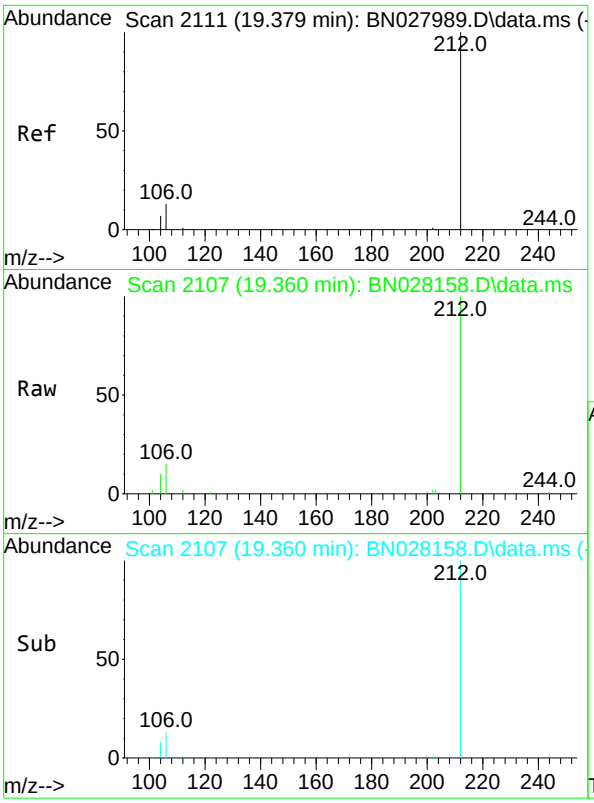


#26
Anthracene
Concen: 0.338 ng
RT: 17.467 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:178 Resp: 8695

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.4	12.2	18.2



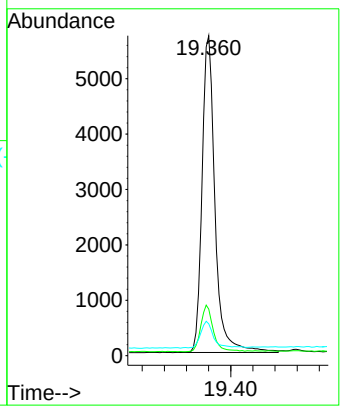


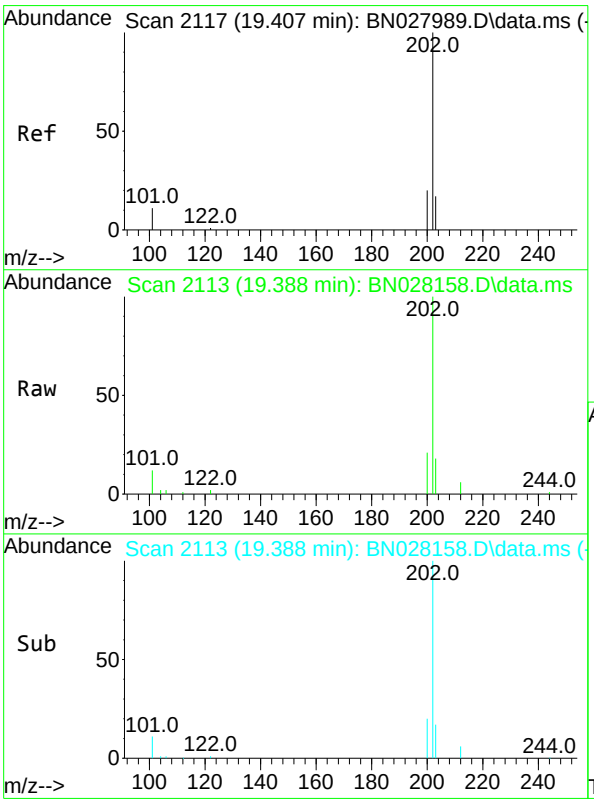
#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.360 min Scan# 21
Delta R.T. 0.004 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:212 Resp: 9345

Ion	Ratio	Lower	Upper
212	100		
106	14.1	11.3	16.9
104	8.6	6.4	9.6

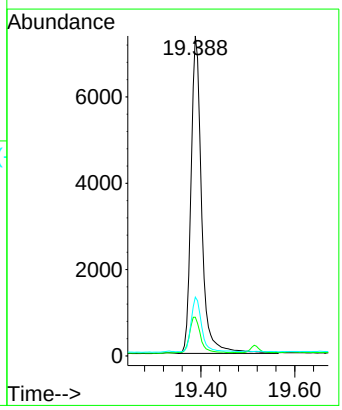


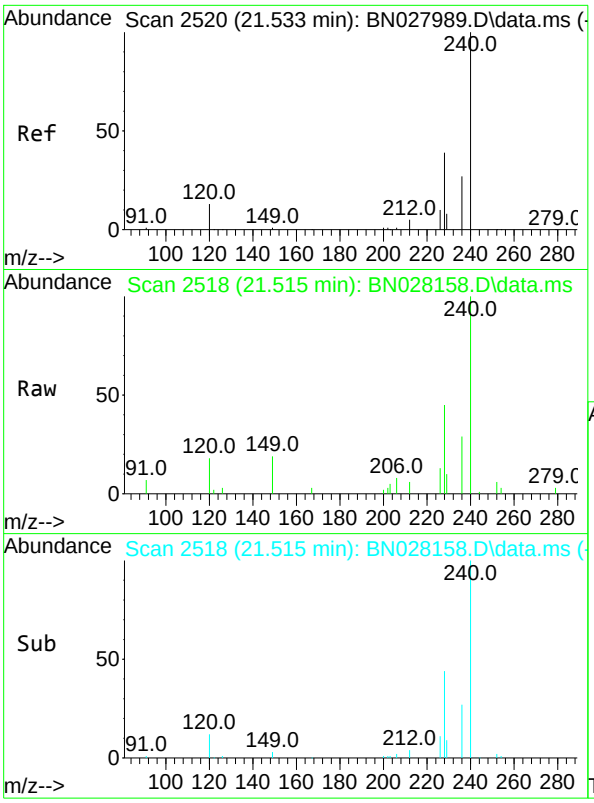


#28
Fluoranthene
Concen: 0.368 ng
RT: 19.388 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:202 Resp: 11544

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.6
203	16.7	13.8	20.8



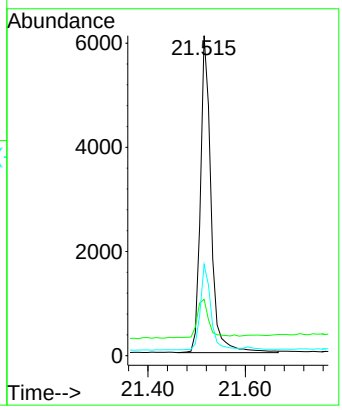


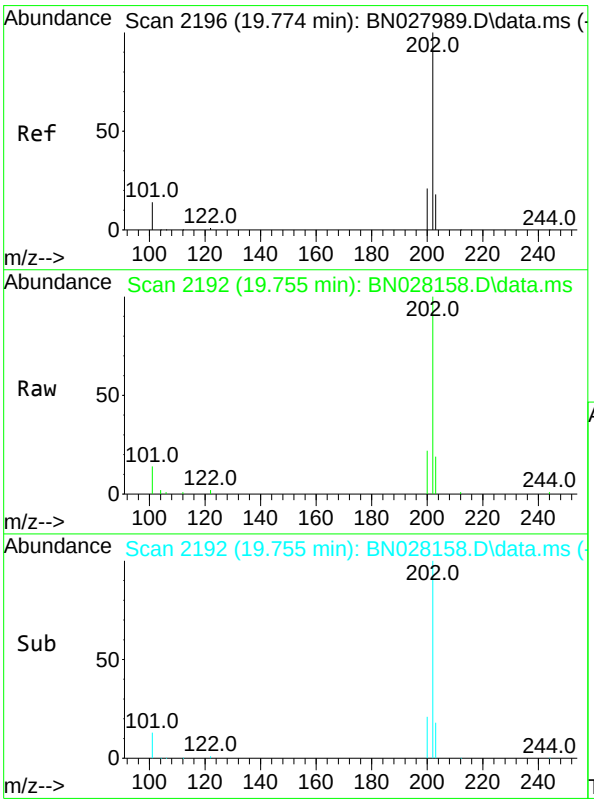
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.515 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:240 Resp: 9205

Ion	Ratio	Lower	Upper
240	100		
120	17.6	13.8	20.6
236	28.6	22.6	33.8

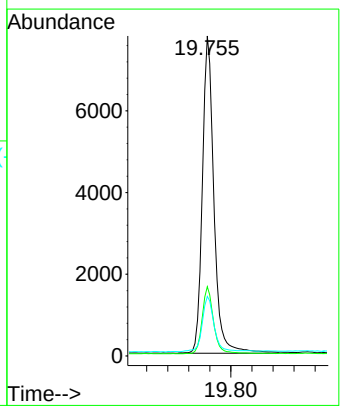


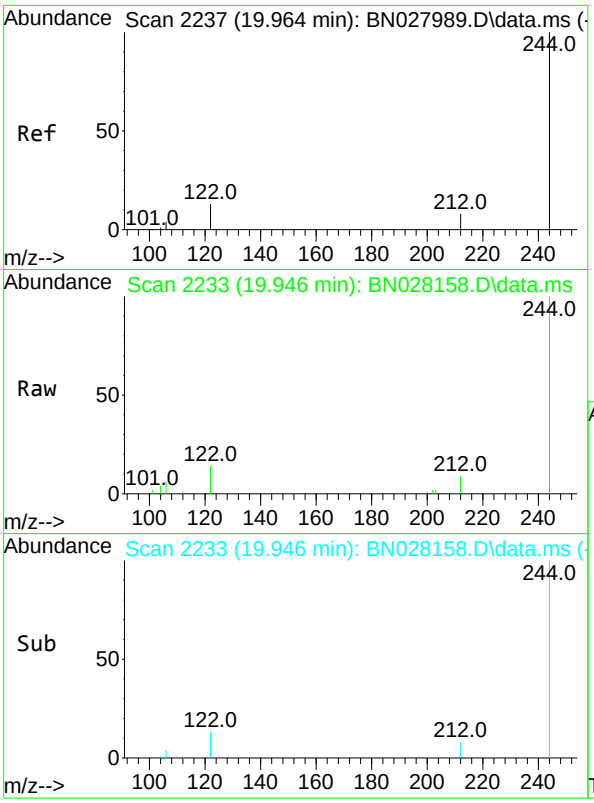


#30
Pyrene
Concen: 0.352 ng
RT: 19.755 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:202 Resp: 11883

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.6	14.7	22.1



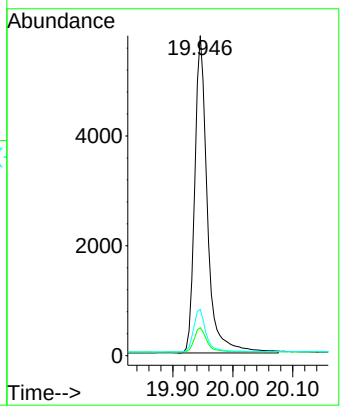


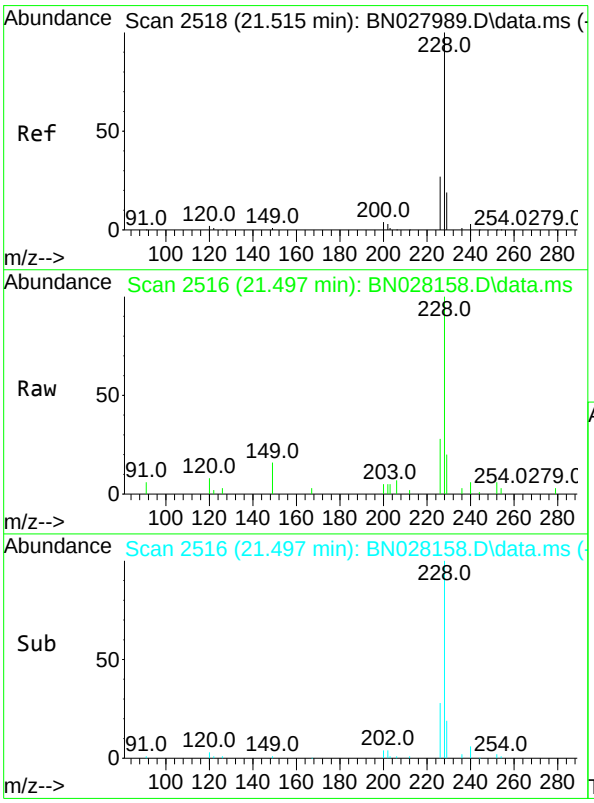
#31
Terphenyl-d14
Concen: 0.395 ng
RT: 19.946 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:244 Resp: 8484

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.6	9.8
122	14.5	11.4	17.0

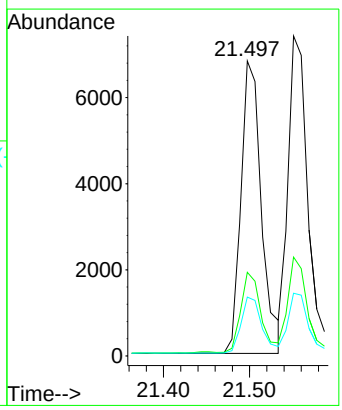


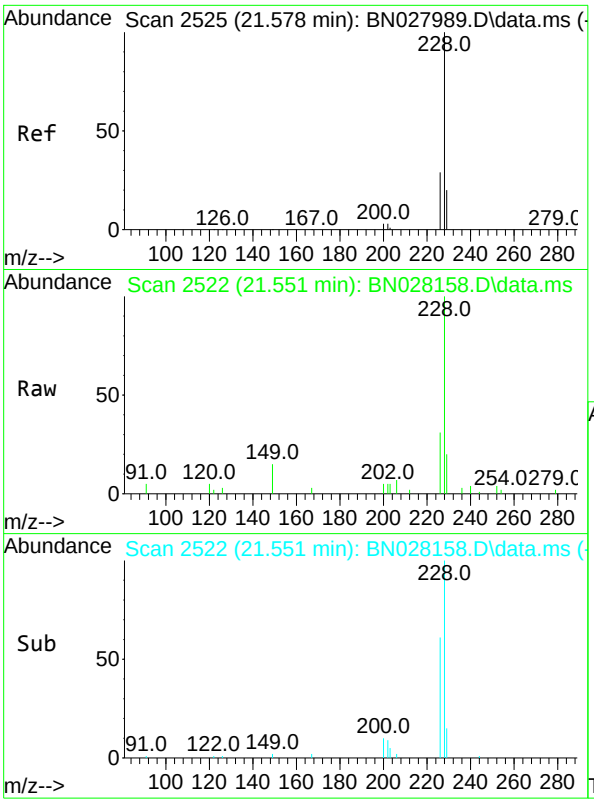


#32
Benzo(a)anthracene
Concen: 0.359 ng
RT: 21.497 min Scan# 2516
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:228 Resp: 11243

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.0	33.0
229	20.0	16.0	24.0





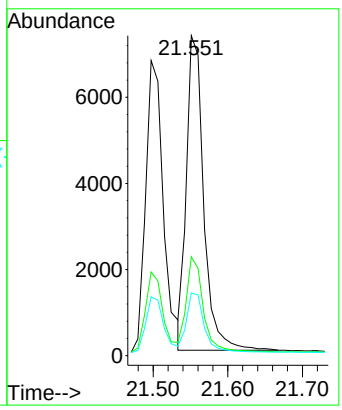
#33
Chrysene
Concen: 0.390 ng
RT: 21.551 min Scan# 2

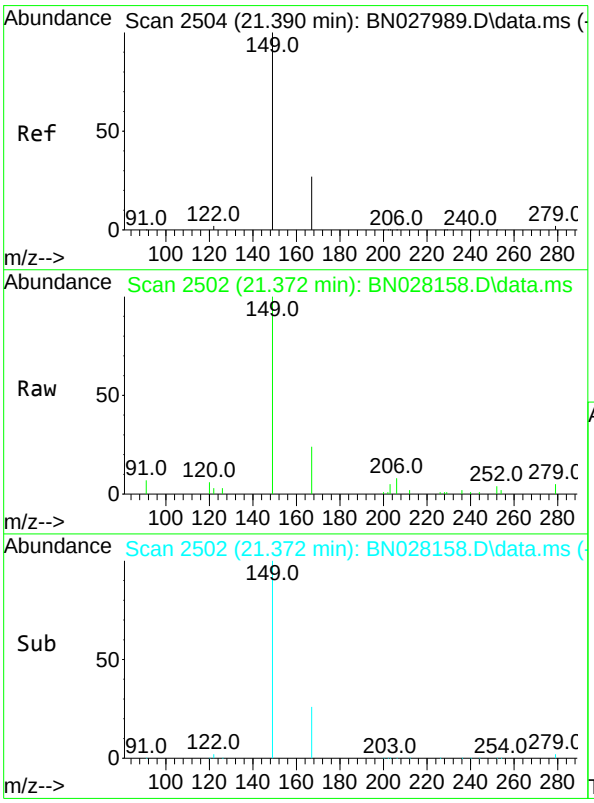
Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:228 Resp: 11762

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.8
229	19.6	16.6	25.0

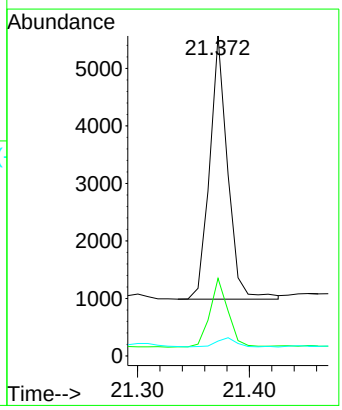


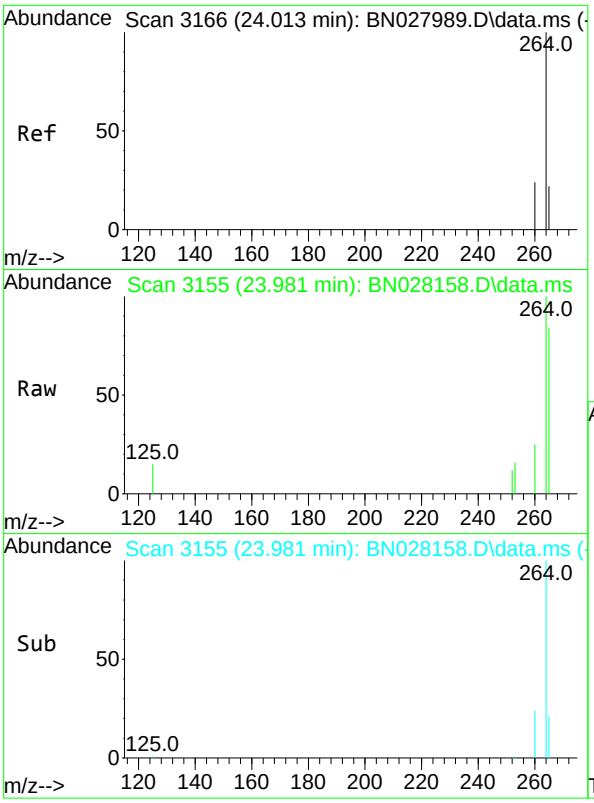


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.248 ng
RT: 21.372 min Scan# 2502
Delta R.T. -0.000 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:149 Resp: 5100

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.1	33.1
279	3.6	3.4	5.0



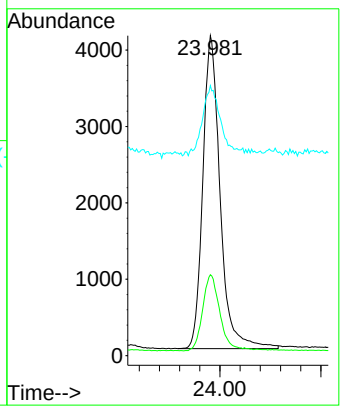


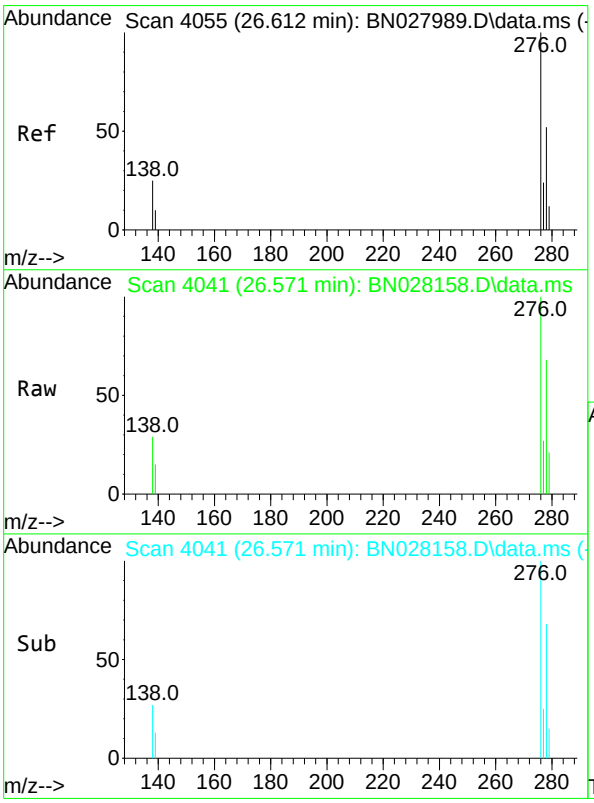
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.981 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:264 Resp: 9785

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.2	30.4
265	84.4	54.8	82.2#

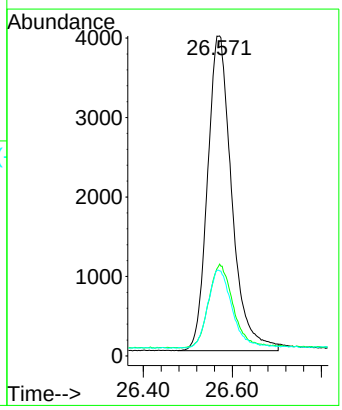


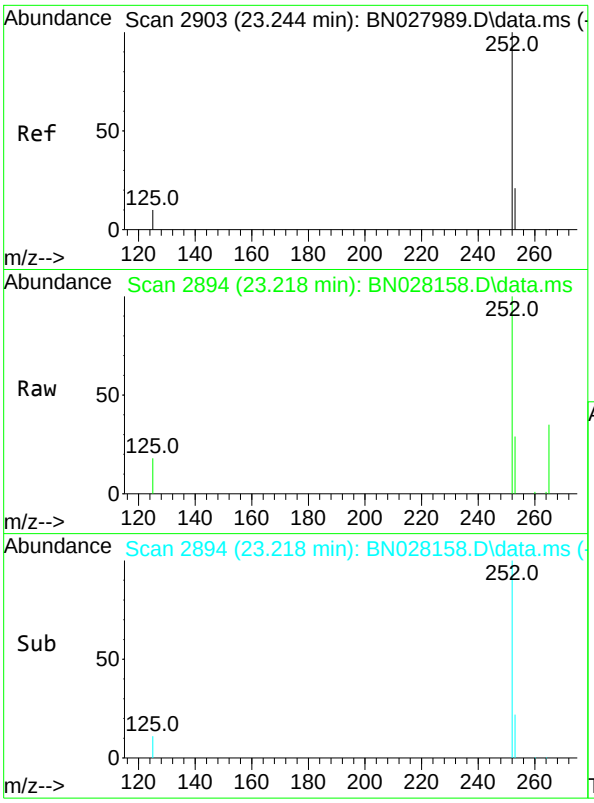


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.455 ng
RT: 26.571 min Scan# 4041
Delta R.T. 0.009 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:276 Resp: 14981

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.9	31.3
277	24.6	19.8	29.6



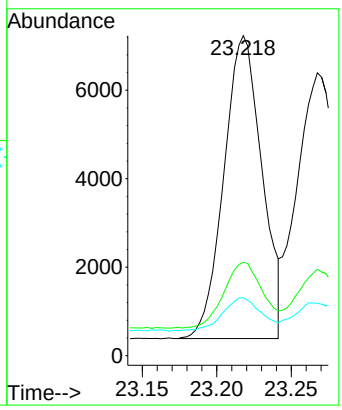


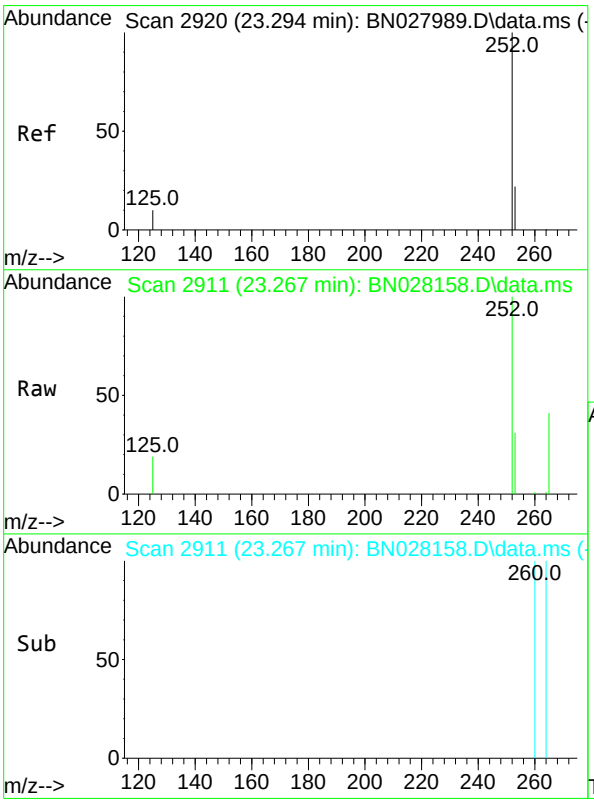
#37
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 23.218 min Scan# 2
Delta R.T. 0.003 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:252 Resp: 12177

Ion	Ratio	Lower	Upper
252	100		
253	29.2	22.9	34.3
125	18.1	13.8	20.8

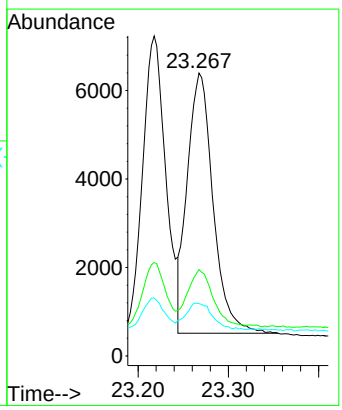


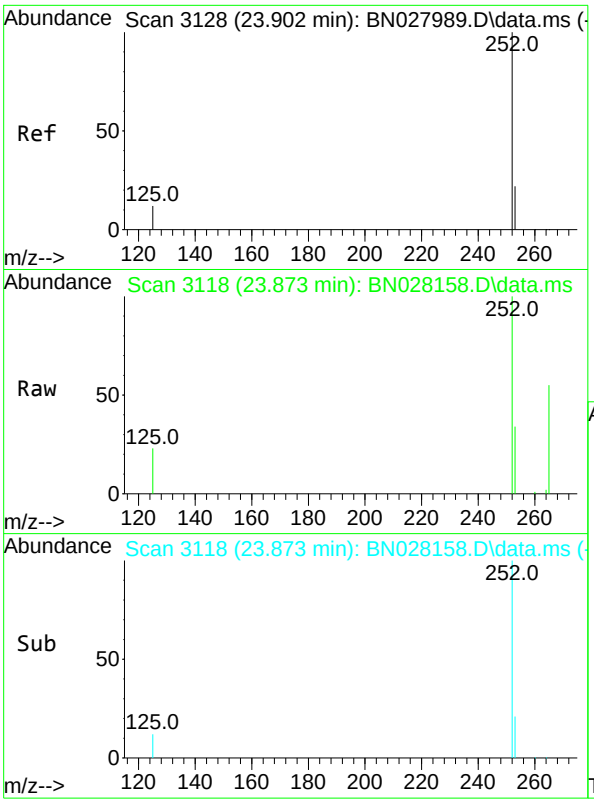


#38
Benzo(k)fluoranthene
Concen: 0.364 ng
RT: 23.267 min Scan# 2911
Delta R.T. 0.003 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:252 Resp: 11665

Ion	Ratio	Lower	Upper
252	100		
253	30.6	23.1	34.7
125	18.5	13.8	20.8



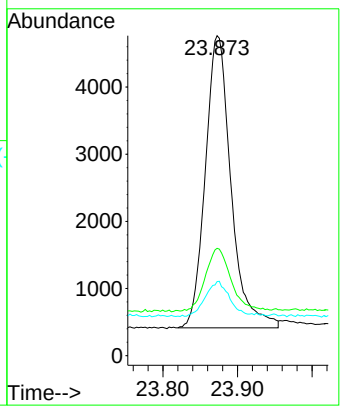


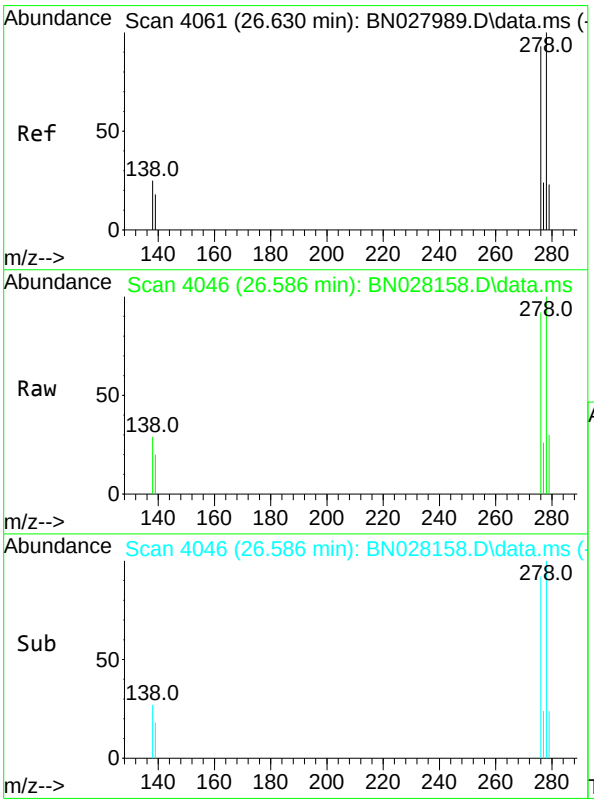
#39
Benzo(a)pyrene
Concen: 0.350 ng
RT: 23.873 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:252 Resp: 10449

Ion	Ratio	Lower	Upper
252	100		
253	33.6	25.0	37.4
125	23.1	16.6	24.8

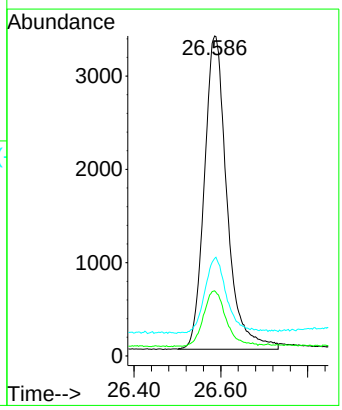


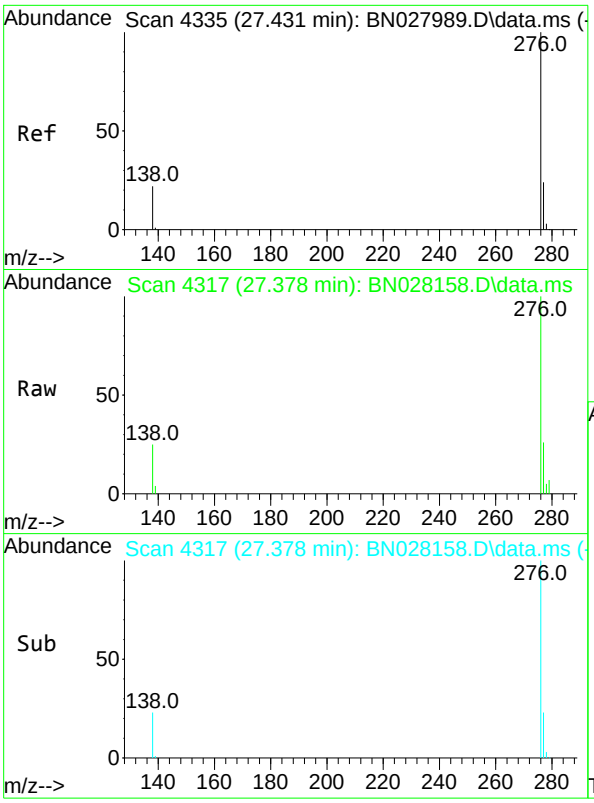


#40
Dibenzo(a,h)anthracene
Concen: 0.452 ng
RT: 26.586 min Scan# 4046
Delta R.T. 0.006 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Tgt Ion:278 Resp: 12178

Ion	Ratio	Lower	Upper
278	100		
139	20.3	17.7	26.5
279	30.5	25.2	37.8





#41
Benzo(g,h,i)perylene
Concen: 0.467 ng
RT: 27.378 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN028158.D
Acq: 09 Oct 2023 13:22

Instrument :
BNA_N
ClientSampleId :
PB155839BSD

Tgt Ion:276 Resp: 12917

Ion	Ratio	Lower	Upper
276	100		
277	25.5	22.1	33.1
138	25.1	20.8	31.2