Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120323\
Data File : BN029023.D
Acq On : 03 Dec 2023 16:19
Operator : MA/JU
Sample : PB157495BS
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Quant Time: Dec 04 00:44:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 00:28:48 2023
Response via : Initial Calibration

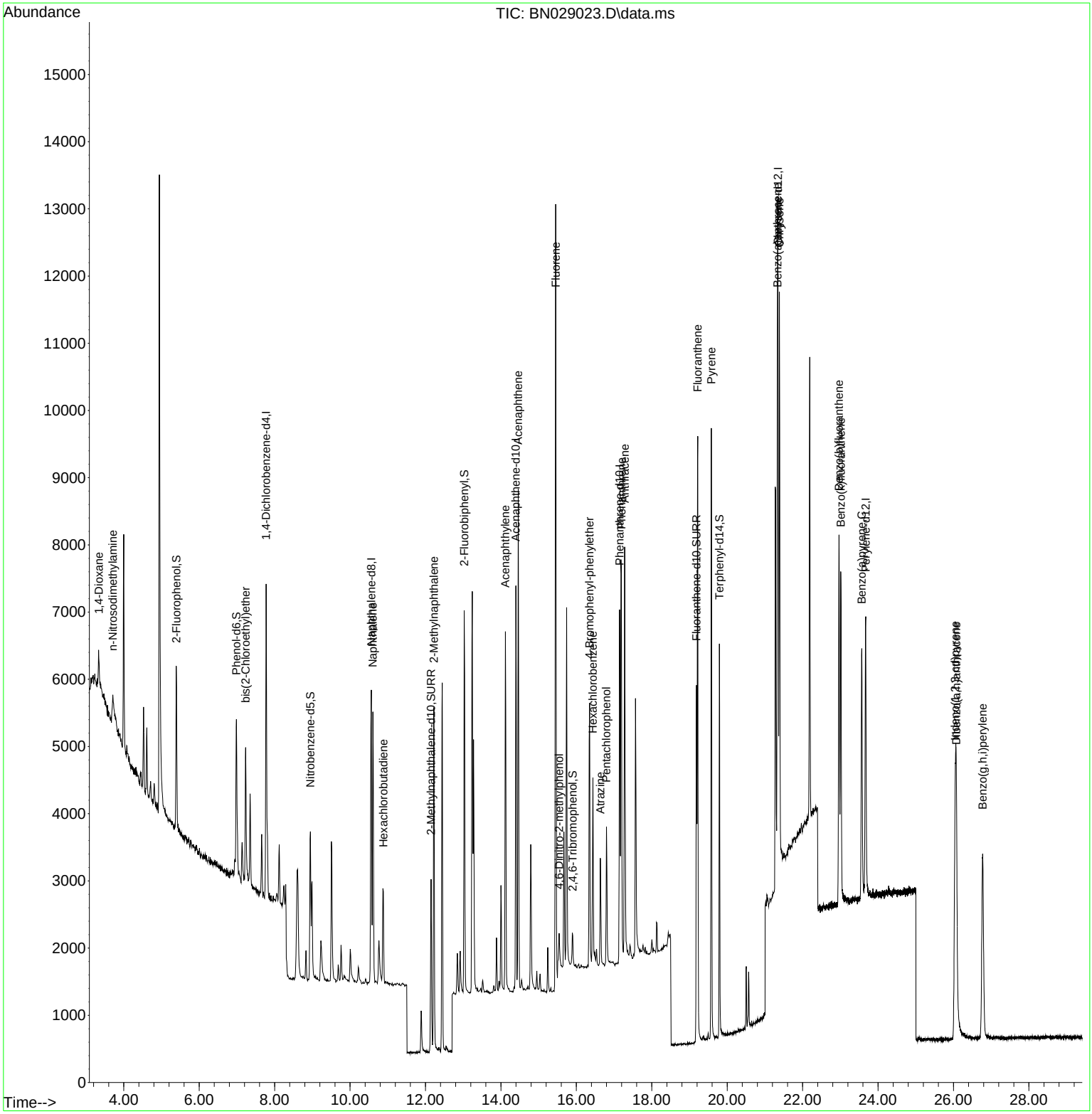
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	2150	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	5878	0.400	ng	# 0.00
13) Acenaphthene-d10	14.396	164	3431	0.400	ng	-0.01
19) Phenanthrene-d10	17.146	188	7688	0.400	ng	-0.01
29) Chrysene-d12	21.347	240	5954	0.400	ng	# 0.00
35) Perylene-d12	23.672	264	5780	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1787	0.274	ng	0.00
5) Phenol-d6	6.988	99	2123	0.294	ng	0.00
8) Nitrobenzene-d5	8.950	82	2001	0.342	ng	0.00
11) 2-Methylnaphthalene-d10	12.147	152	4218	0.447	ng	0.00
14) 2,4,6-Tribromophenol	15.905	330	376	0.162	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	4946	0.334	ng	-0.01
27) Fluoranthene-d10	19.185	212	6242	0.309	ng	0.00
31) Terphenyl-d14	19.794	244	5863	0.365	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.340	88	390	0.185	ng	# 34
3) n-Nitrosodimethylamine	3.709	42	927	0.372	ng	# 79
6) bis(2-Chloroethyl)ether	7.233	93	1656	0.273	ng	97
9) Naphthalene	10.605	128	5332	0.285	ng	97
10) Hexachlorobutadiene	10.882	225	1099	0.288	ng	# 98
12) 2-Methylnaphthalene	12.223	142	3471	0.296	ng	97
16) Acenaphthylene	14.118	152	5685	0.313	ng	99
17) Acenaphthene	14.460	154	3458	0.287	ng	99
18) Fluorene	15.454	166	4908	0.321	ng	98
20) 4,6-Dinitro-2-methylph...	15.545	198	400	0.237	ng	# 87
21) 4-Bromophenyl-phenylether	16.352	248	1470	0.278	ng	98
22) Hexachlorobenzene	16.439	284	1767	0.272	ng	# 88
23) Atrazine	16.637	200	1320	0.285	ng	95
24) Pentachlorophenol	16.799	266	1022	0.338	ng	96
25) Phenanthrene	17.196	178	7254	0.286	ng	98
26) Anthracene	17.283	178	6614	0.282	ng	99
28) Fluoranthene	19.218	202	8211	0.311	ng	99
30) Pyrene	19.580	202	8392	0.278	ng	99
32) Benzo(a)anthracene	21.338	228	7323	0.289	ng	93
33) Chrysene	21.383	228	6951	0.280	ng	96
36) Indeno(1,2,3-cd)pyrene	26.044	276	7636	0.303	ng	# 93
37) Benzo(b)fluoranthene	22.965	252	7202	0.305	ng	# 31
38) Benzo(k)fluoranthene	23.012	252	6786	0.304	ng	# 32
39) Benzo(a)pyrene	23.567	252	5873	0.278	ng	# 27
40) Dibenzo(a,h)anthracene	26.079	278	6036	0.310	ng	# 30
41) Benzo(g,h,i)perylene	26.774	276	6420	0.293	ng	# 72

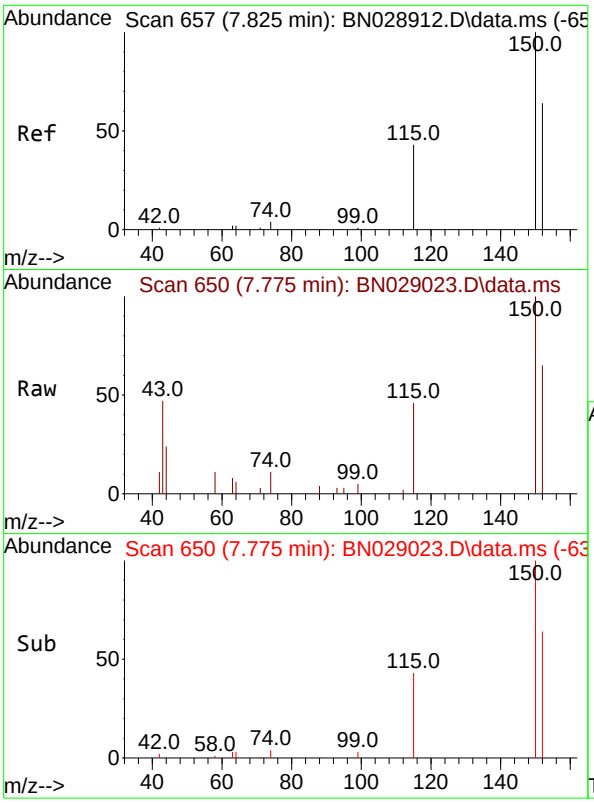
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120323\
Data File : BN029023.D
Acq On : 03 Dec 2023 16:19
Operator : MA/JU
Sample : PB157495BS
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Quant Time: Dec 04 00:44:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 00:28:48 2023
Response via : Initial Calibration



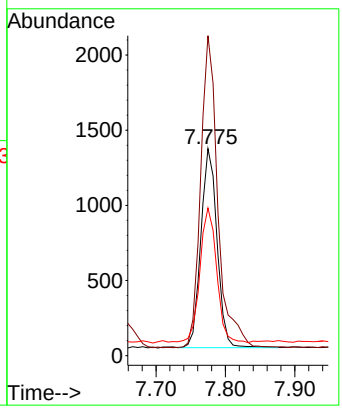


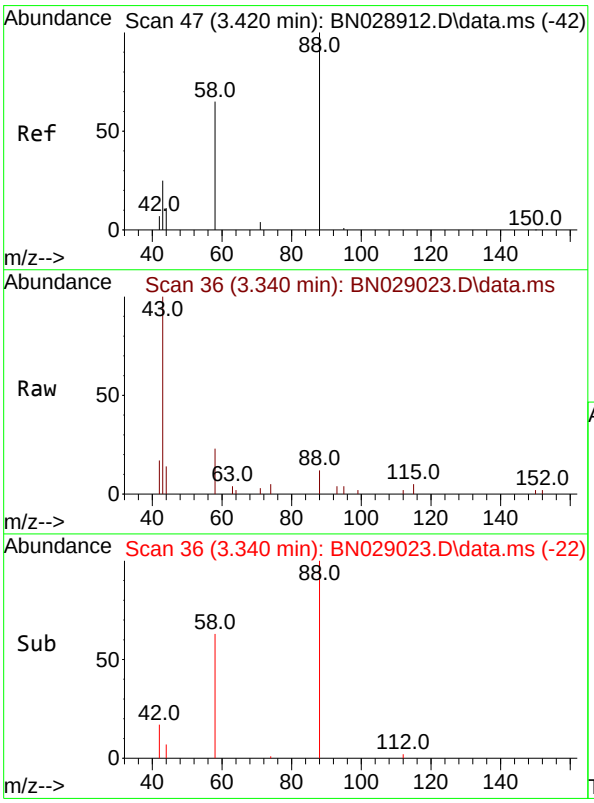
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:152 Resp: 2150

Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.4	185.2
115	71.3	59.1	88.7

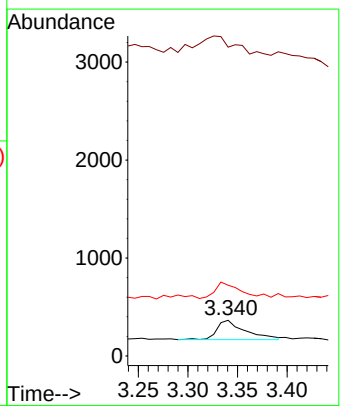


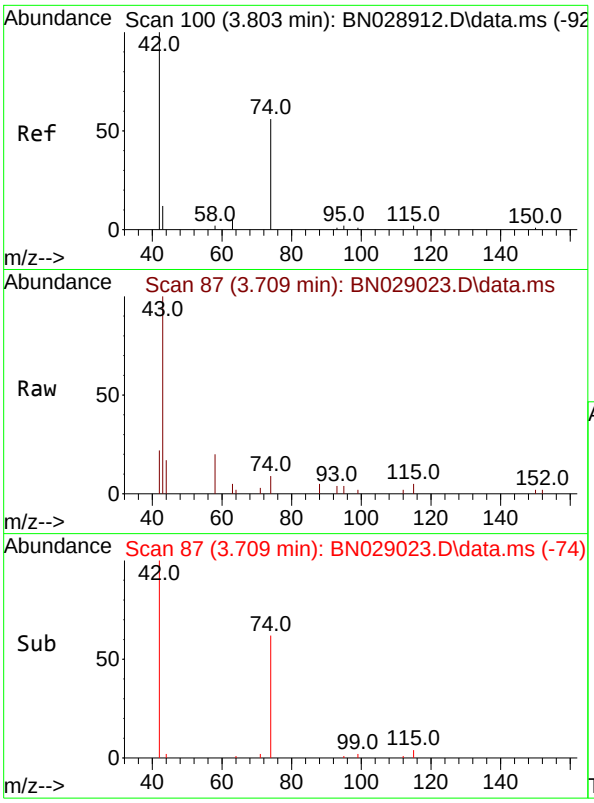


#2
1,4-Dioxane
Concen: 0.185 ng
RT: 3.340 min Scan# 36
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion: 88 Resp: 390

Ion	Ratio	Lower	Upper
88	100		
43	148.5	29.9	44.9#
58	70.0	55.0	82.4



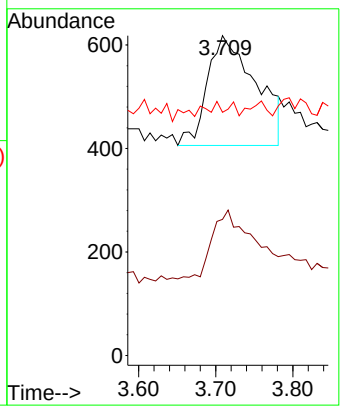


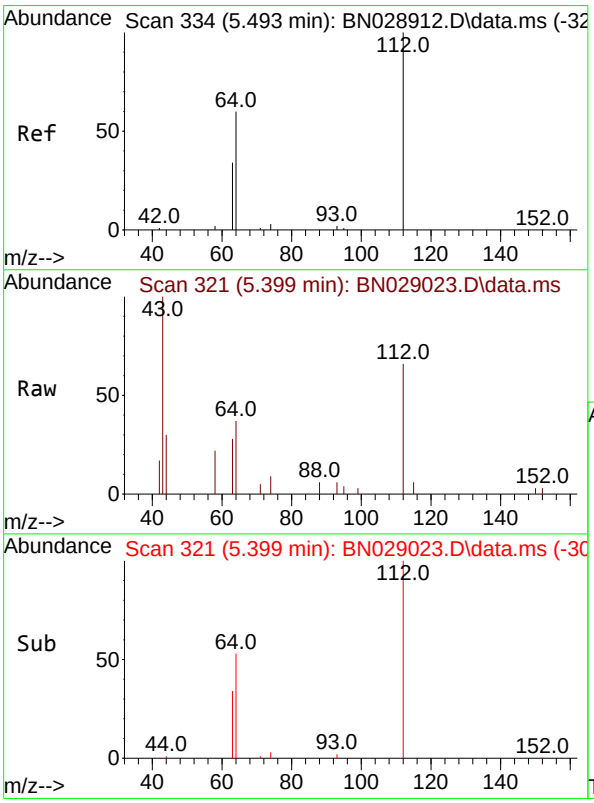
#3
n-Nitrosodimethylamine
Concen: 0.372 ng
RT: 3.709 min Scan# 8
Delta R.T. -0.007 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion: 42 Resp: 927

Ion	Ratio	Lower	Upper
42	100		
74	54.2	57.0	85.6#
44	0.0	0.0	0.0

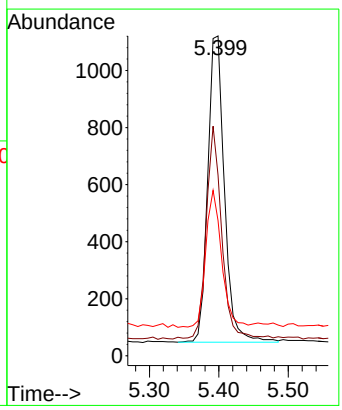


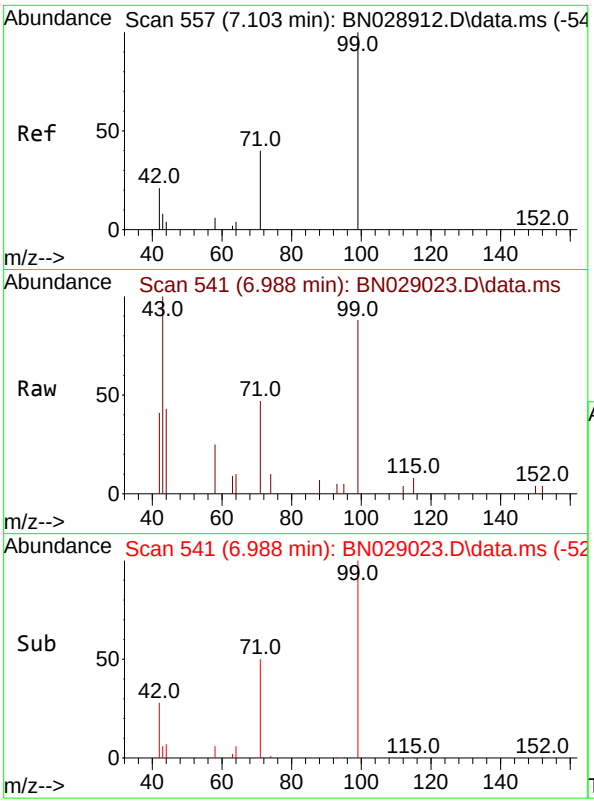


#4
2-Fluorophenol
Concen: 0.274 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:112 Resp: 1787

Ion	Ratio	Lower	Upper
112	100		
64	65.2	51.5	77.3
63	42.1	30.4	45.6



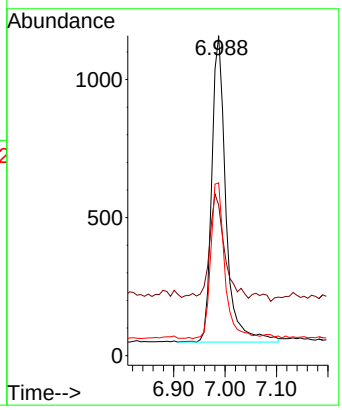


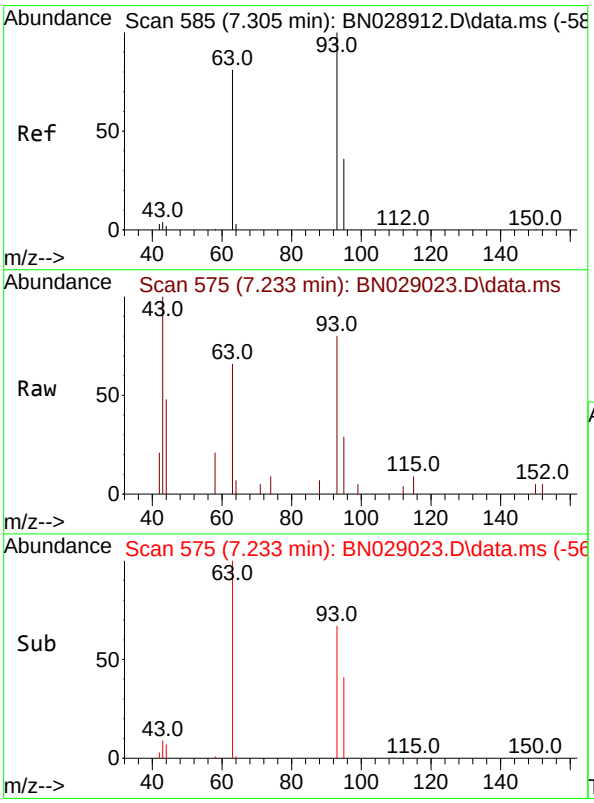
#5
Phenol-d6
Concen: 0.294 ng
RT: 6.988 min Scan# 54
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion: 99 Resp: 2123

Ion	Ratio	Lower	Upper
99	100		
42	36.7	21.2	31.8#
71	50.4	35.4	53.0

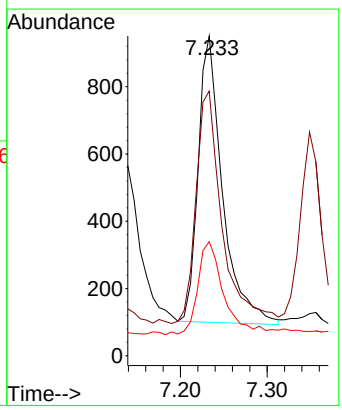


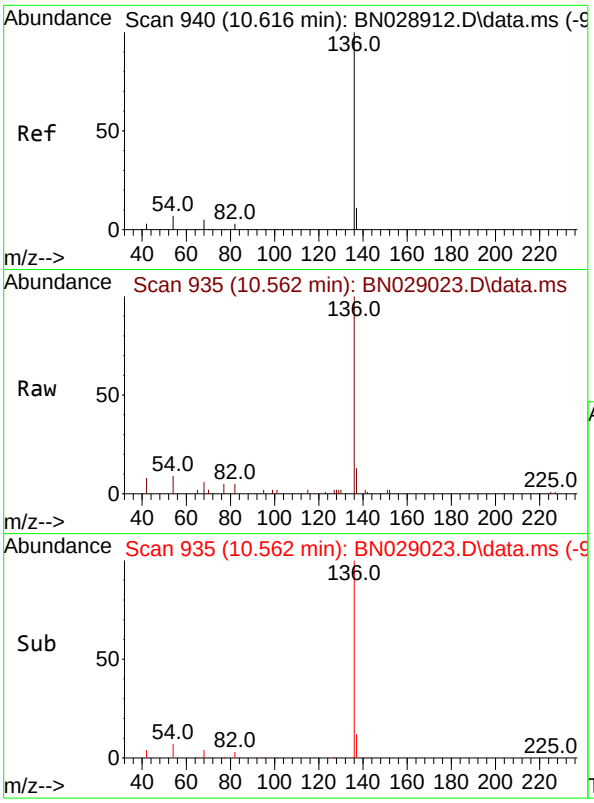


#6
bis(2-Chloroethyl)ether
Concen: 0.273 ng
RT: 7.233 min Scan# 575
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion: 93 Resp: 1656

Ion	Ratio	Lower	Upper
93	100		
63	87.3	66.9	100.3
95	35.1	28.2	42.4



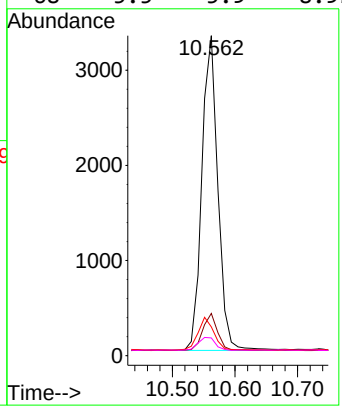


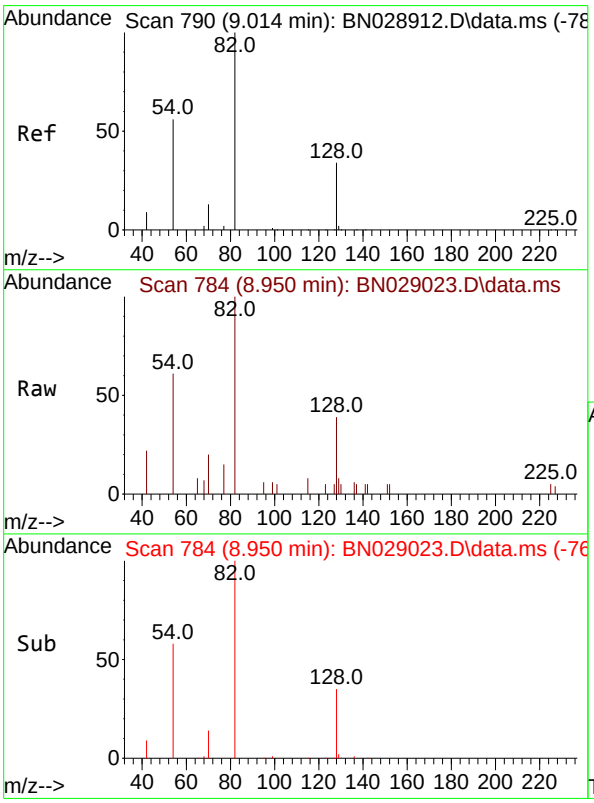
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:136 Resp: 5878

Ion	Ratio	Lower	Upper
136	100		
137	13.2	10.6	16.0
54	9.0	7.5	11.3
68	5.5	5.9	8.9#

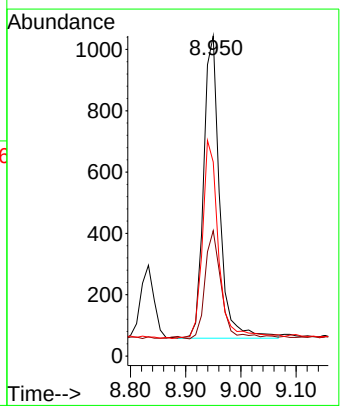


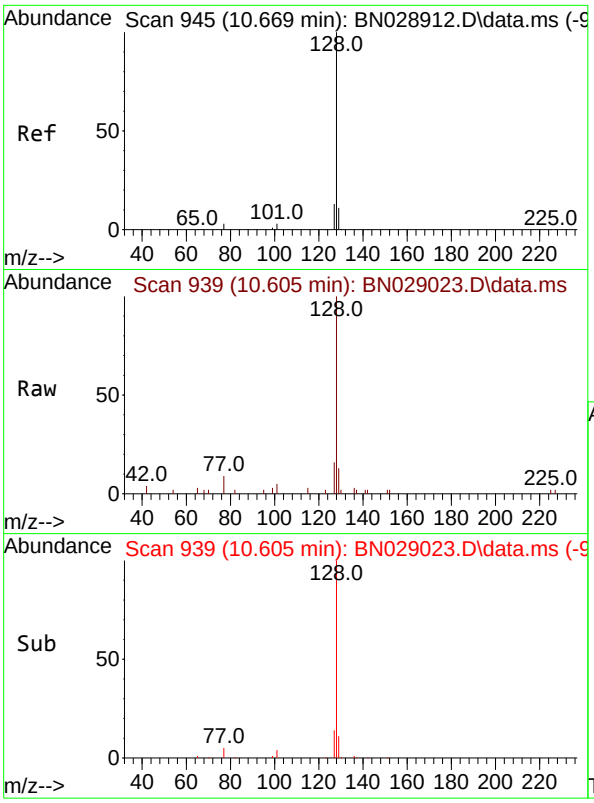


#8
Nitrobenzene-d5
Concen: 0.342 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion: 82 Resp: 2001

Ion	Ratio	Lower	Upper
82	100		
128	39.2	29.2	43.8
54	60.6	47.0	70.6



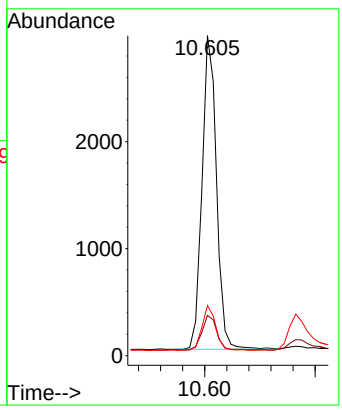


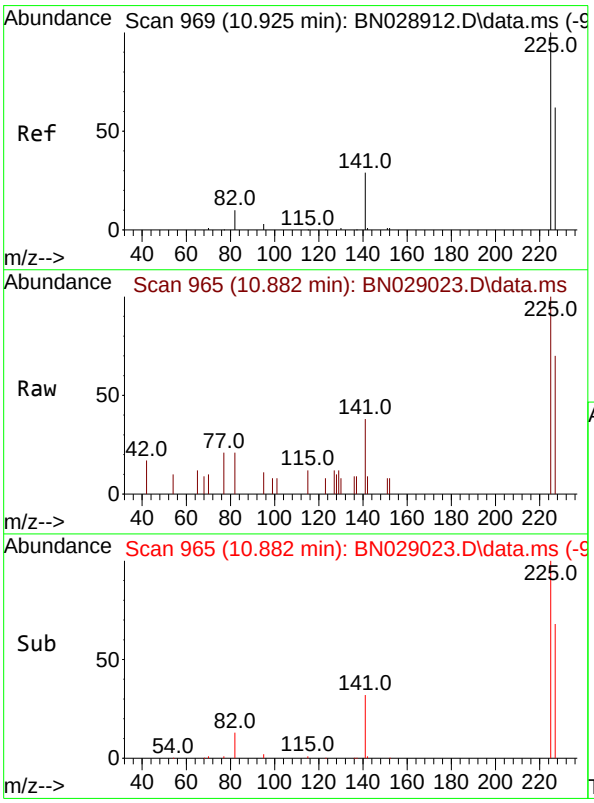
#9
Naphthalene
Concen: 0.285 ng
RT: 10.605 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:128 Resp: 5332

Ion	Ratio	Lower	Upper
128	100		
129	12.6	9.5	14.3
127	15.7	11.0	16.4

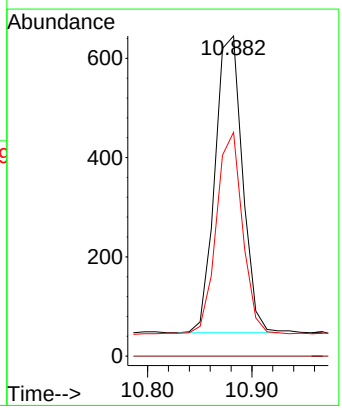


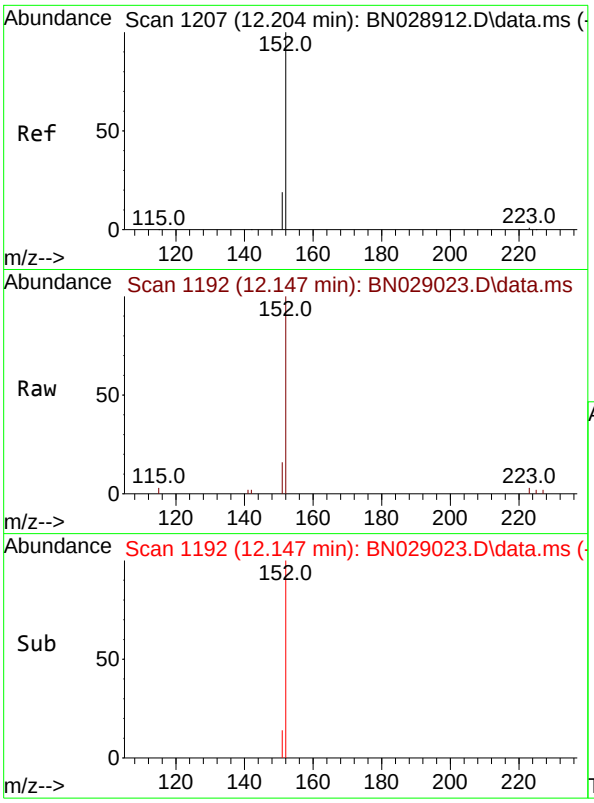


#10
Hexachlorobutadiene
Concen: 0.288 ng
RT: 10.882 min Scan# 965
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:225 Resp: 1099

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.6	50.6	76.0



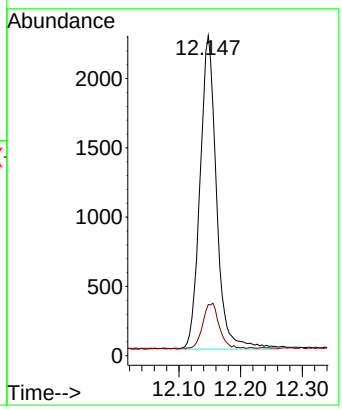


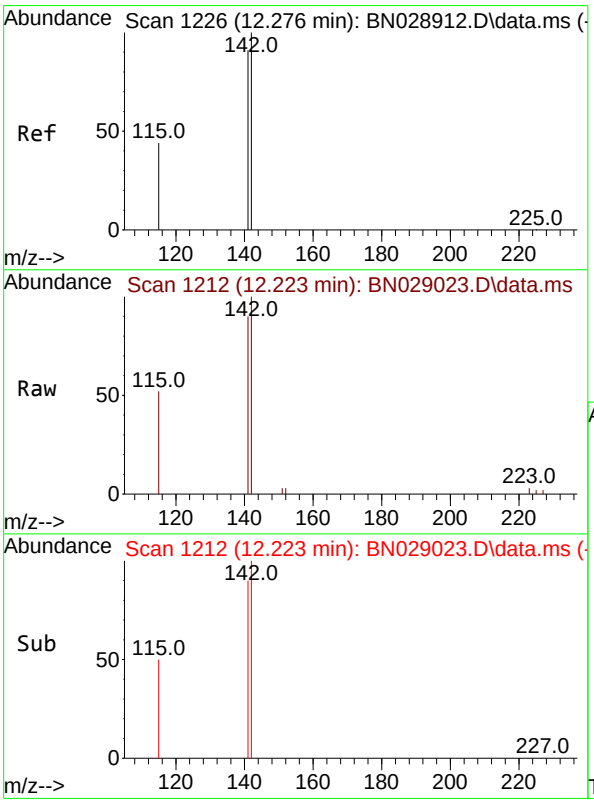
#11
2-Methylnaphthalene-d10
Concen: 0.447 ng
RT: 12.147 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:152 Resp: 4218

Ion	Ratio	Lower	Upper
152	100		
151	14.0	16.7	25.1#

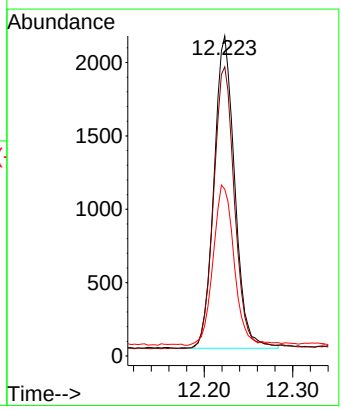


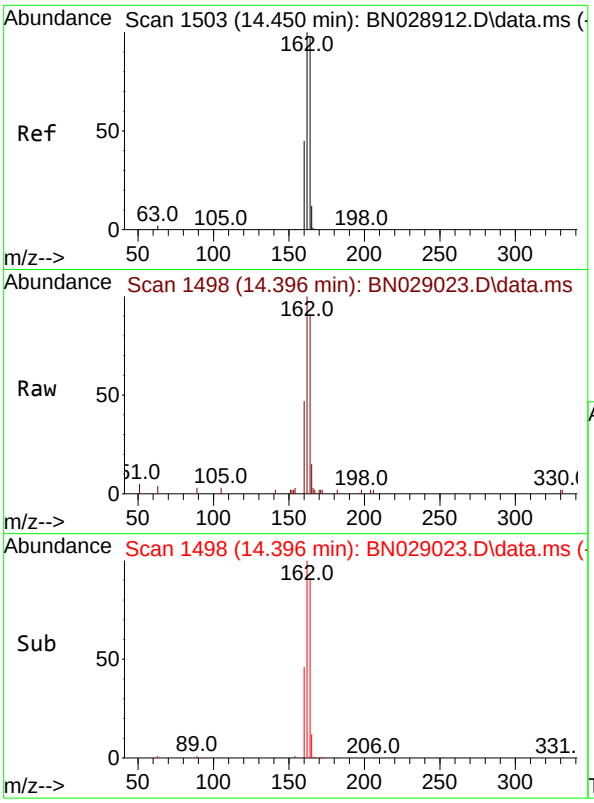


#12
2-Methylnaphthalene
Concen: 0.296 ng
RT: 12.223 min Scan# 1212
Delta R.T. -0.004 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:142 Resp: 3471

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.1	109.7
115	52.1	37.6	56.4



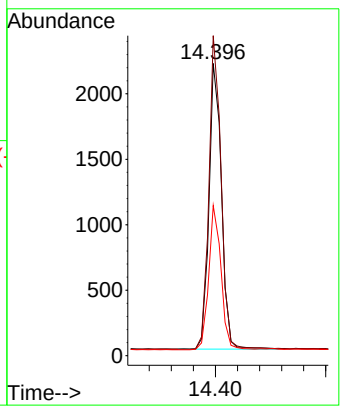


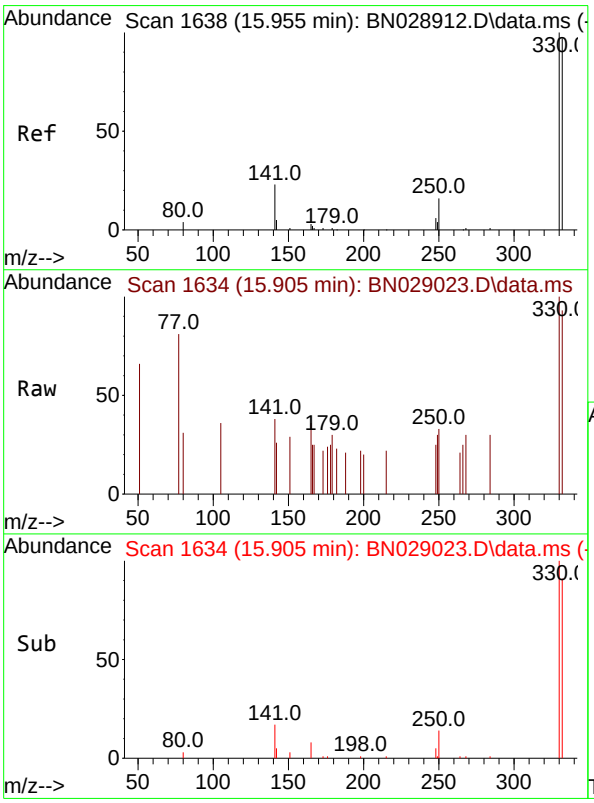
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.396 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:164 Resp: 3431

Ion	Ratio	Lower	Upper
164	100		
162	109.5	81.7	122.5
160	51.4	37.0	55.6

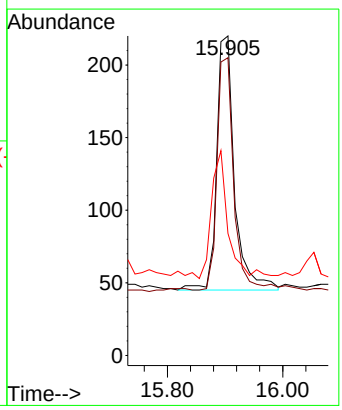


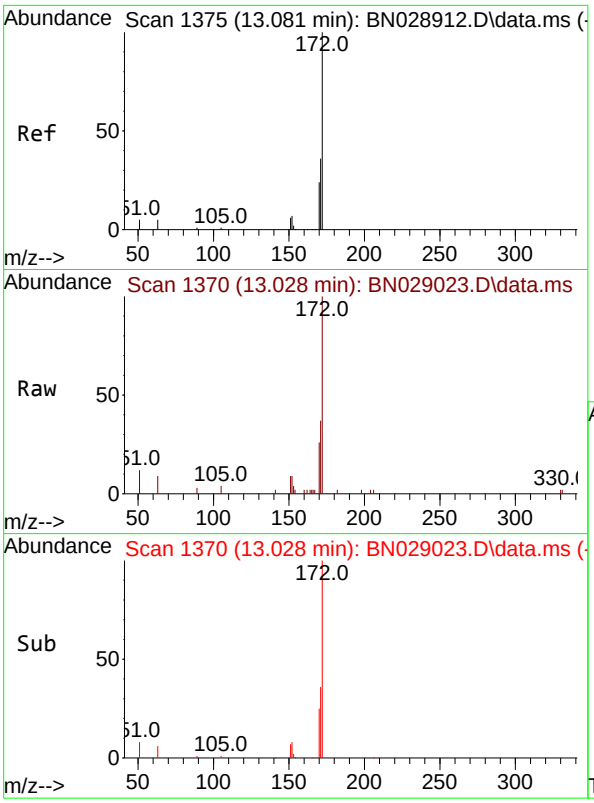


#14
2,4,6-Tribromophenol
Concen: 0.162 ng
RT: 15.905 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:330 Resp: 376

Ion	Ratio	Lower	Upper
330	100		
332	85.4	75.4	113.2
141	43.1	35.7	53.5



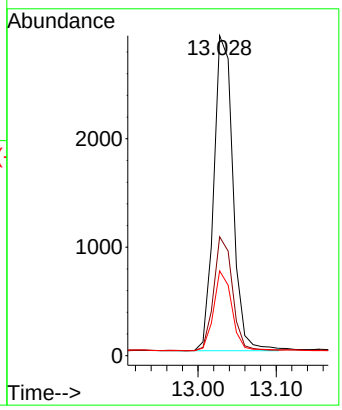


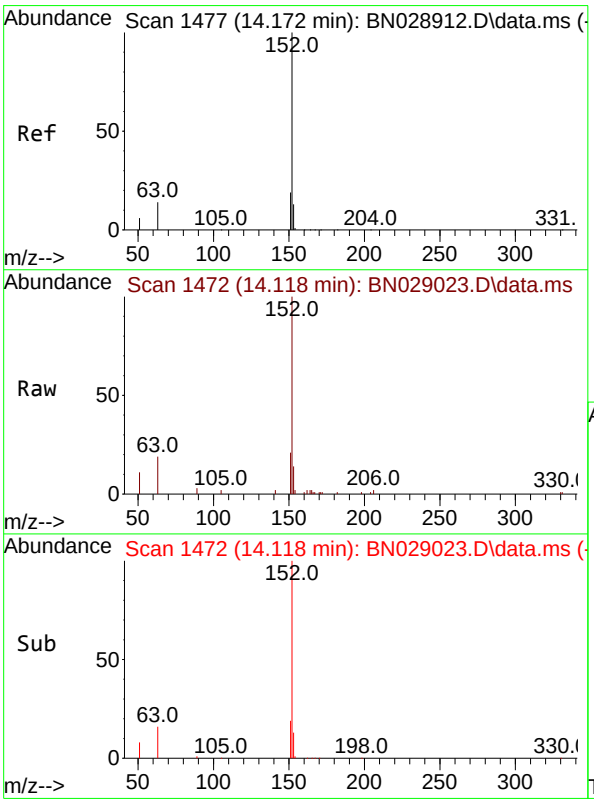
#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 13.028 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:172 Resp: 4946

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.0	43.4
170	26.5	19.7	29.5

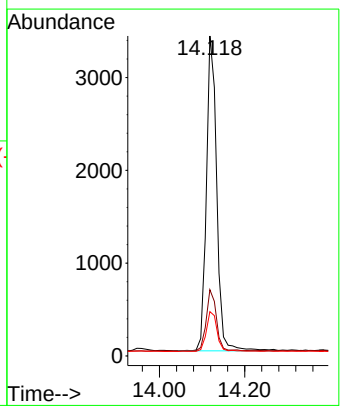


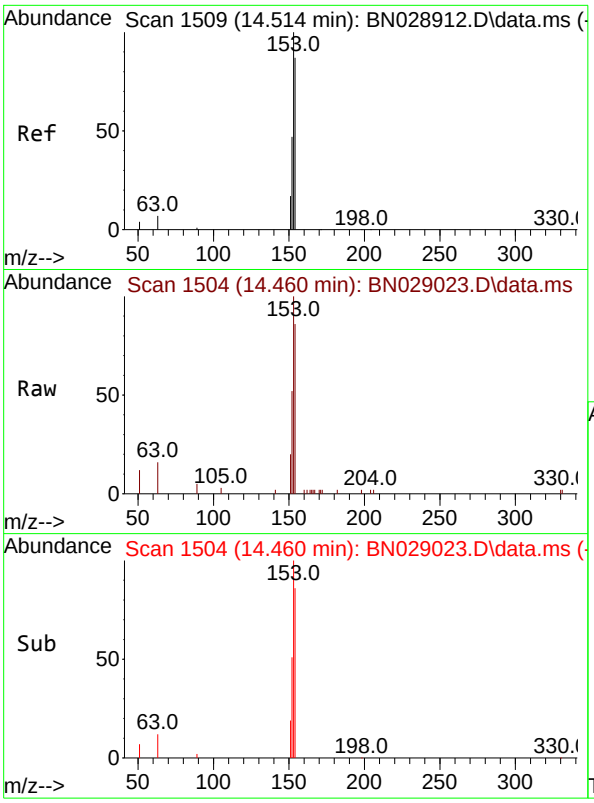


#16
Acenaphthylene
Concen: 0.313 ng
RT: 14.118 min Scan# 1472
Delta R.T. -0.011 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:152 Resp: 5685

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	13.1	10.8	16.2





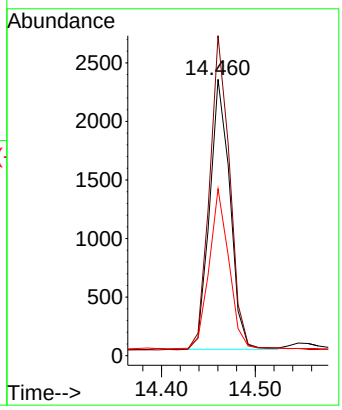
#17
Acenaphthene
Concen: 0.287 ng
RT: 14.460 min Scan# 1

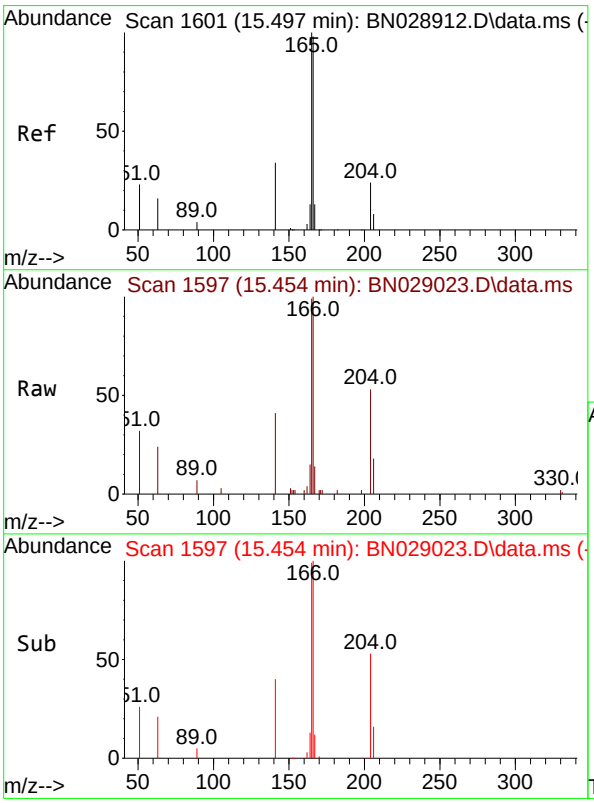
Instrument :
BNA_N
ClientSampleId :
PB157495BS

Delta R.T. -0.011 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:154 Resp: 3458

Ion	Ratio	Lower	Upper
154	100		
153	117.0	93.8	140.6
152	58.0	44.5	66.7

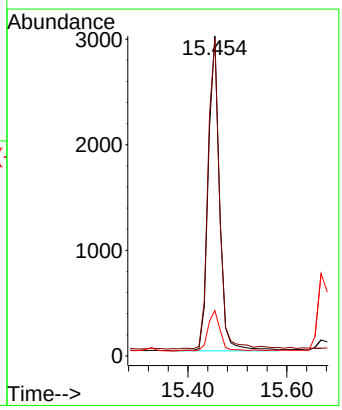


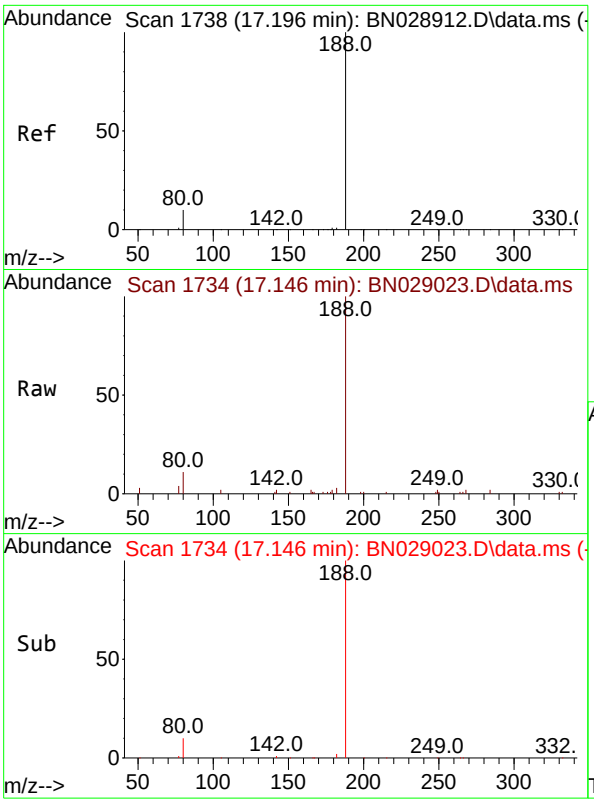


#18
Fluorene
Concen: 0.321 ng
RT: 15.454 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:166 Resp: 4908

Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.4	119.2
167	13.7	11.0	16.4



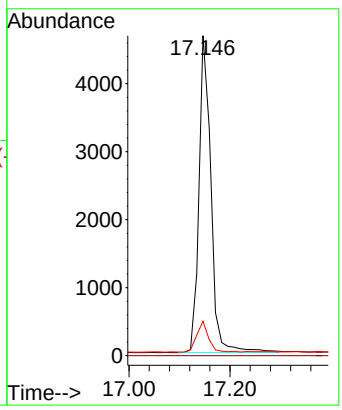


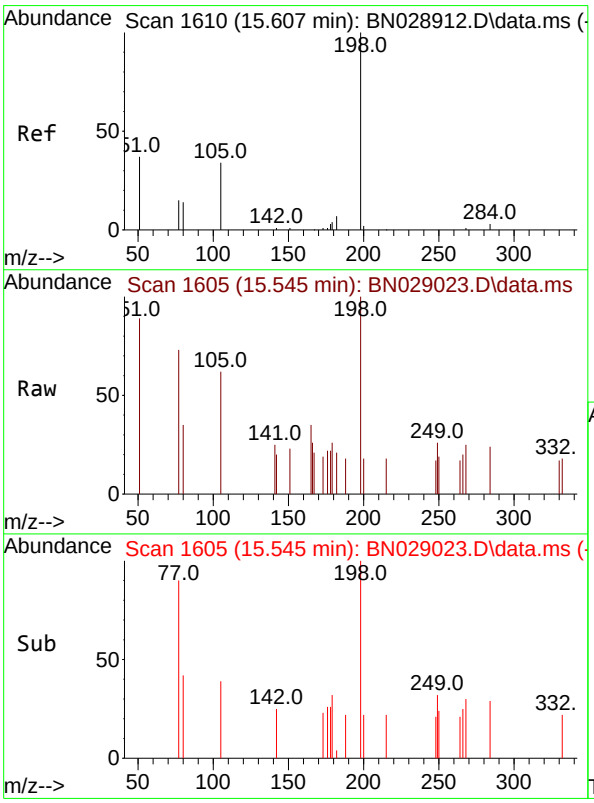
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.146 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:188 Resp: 7688

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	9.0	13.6

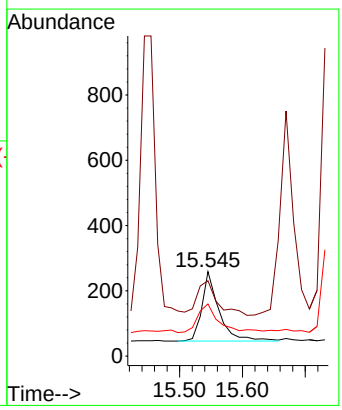


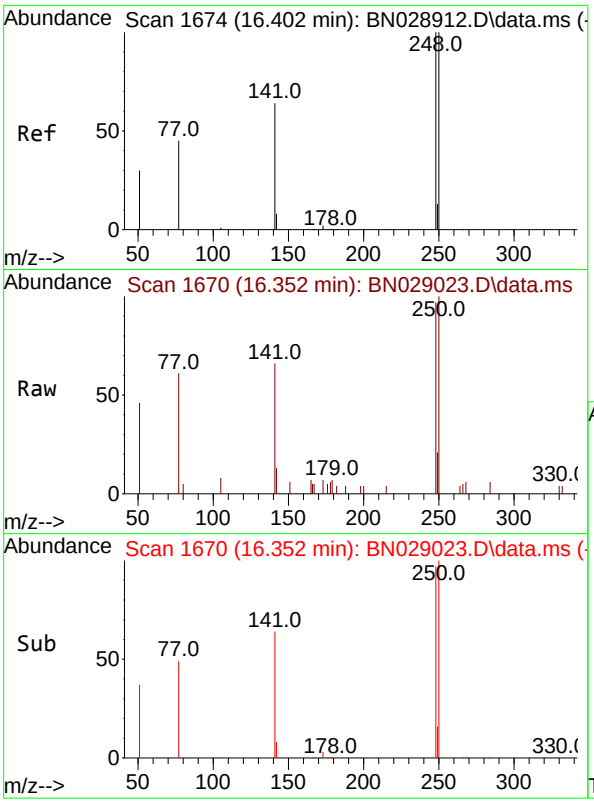


#20
4,6-Dinitro-2-methylphenol
Concen: 0.237 ng
RT: 15.545 min Scan# 1605
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:198 Resp: 400

Ion	Ratio	Lower	Upper
198	100		
51	89.2	76.2	114.4
105	61.8	64.9	97.3#



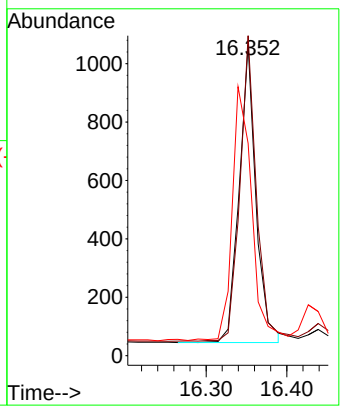


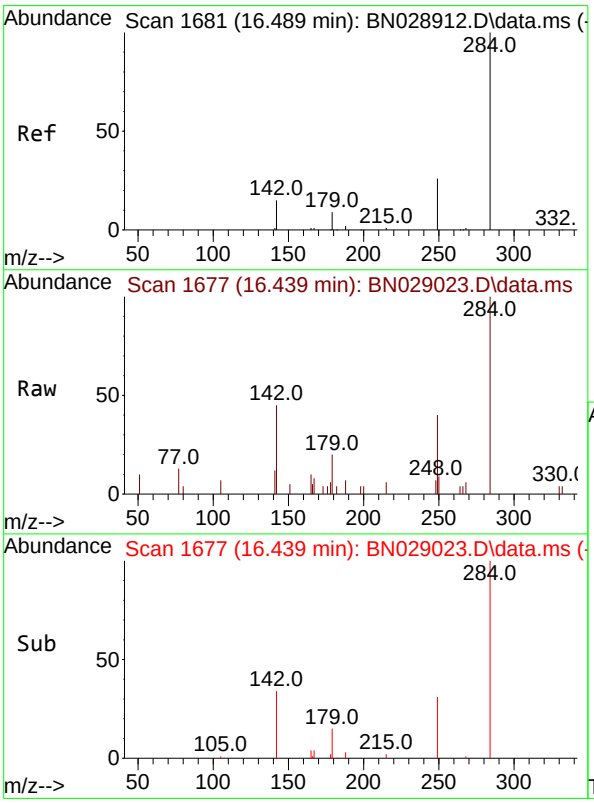
#21
4-Bromophenyl-phenylether
Concen: 0.278 ng
RT: 16.352 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:248 Resp: 1470

Ion	Ratio	Lower	Upper
248	100		
250	102.9	83.5	125.3
141	68.3	52.9	79.3

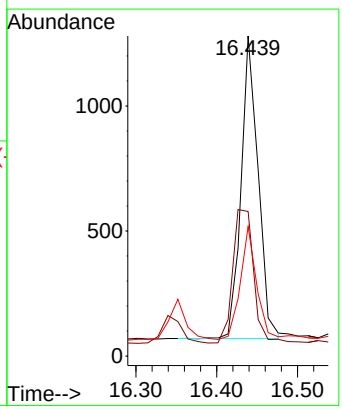


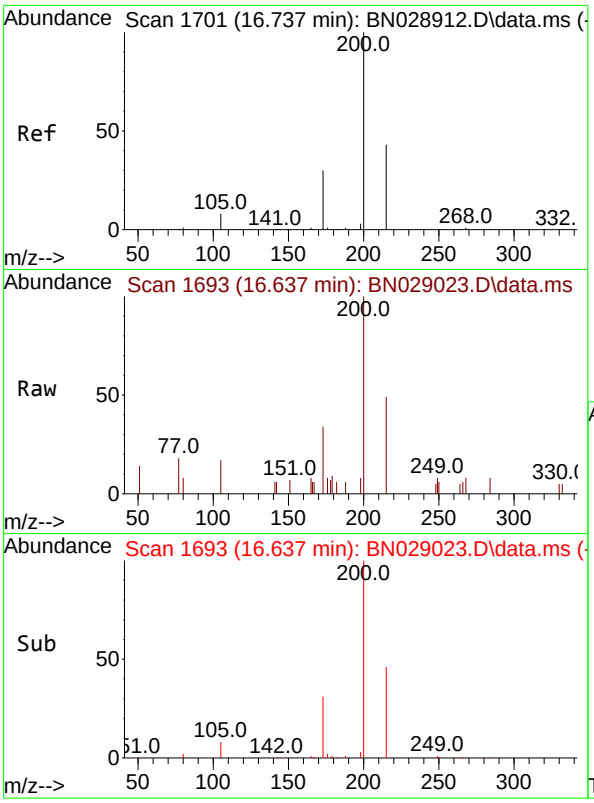


#22
Hexachlorobenzene
Concen: 0.272 ng
RT: 16.439 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:284 Resp: 1767

Ion	Ratio	Lower	Upper
284	100		
142	53.3	34.1	51.1#
249	35.8	25.7	38.5



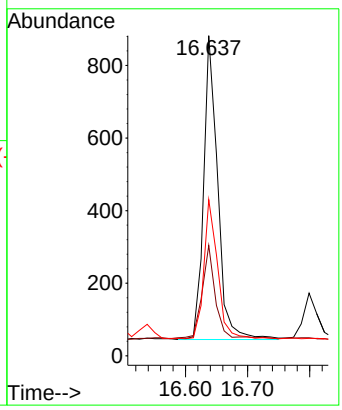


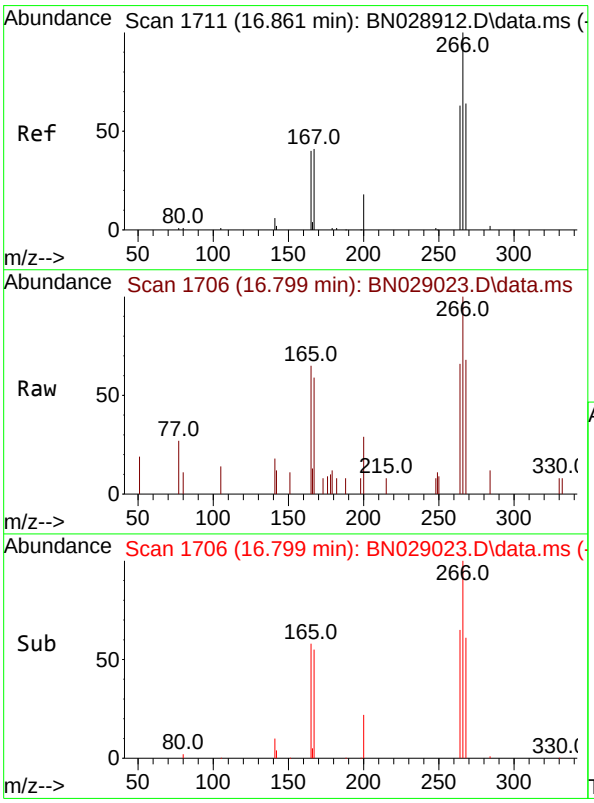
#23
Atrazine
Concen: 0.285 ng
RT: 16.637 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:200 Resp: 1320

Ion	Ratio	Lower	Upper
200	100		
173	34.5	26.2	39.4
215	48.8	35.8	53.6

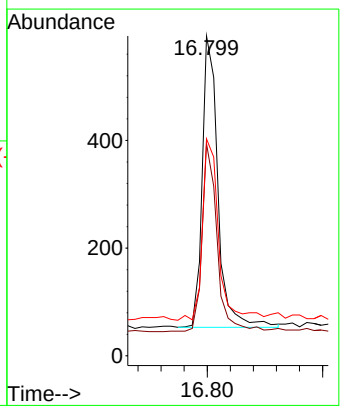


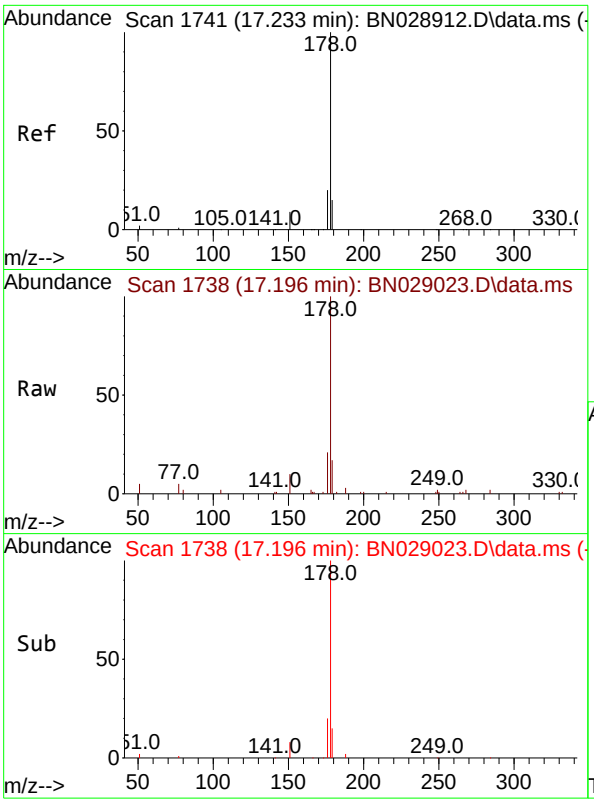


#24
Pentachlorophenol
Concen: 0.338 ng
RT: 16.799 min Scan# 1706
Delta R.T. -0.013 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:266 Resp: 1022

Ion	Ratio	Lower	Upper
266	100		
264	61.6	50.7	76.1
268	64.5	54.9	82.3



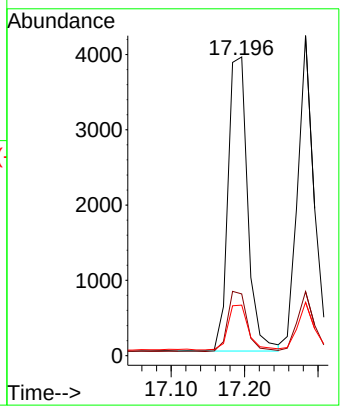


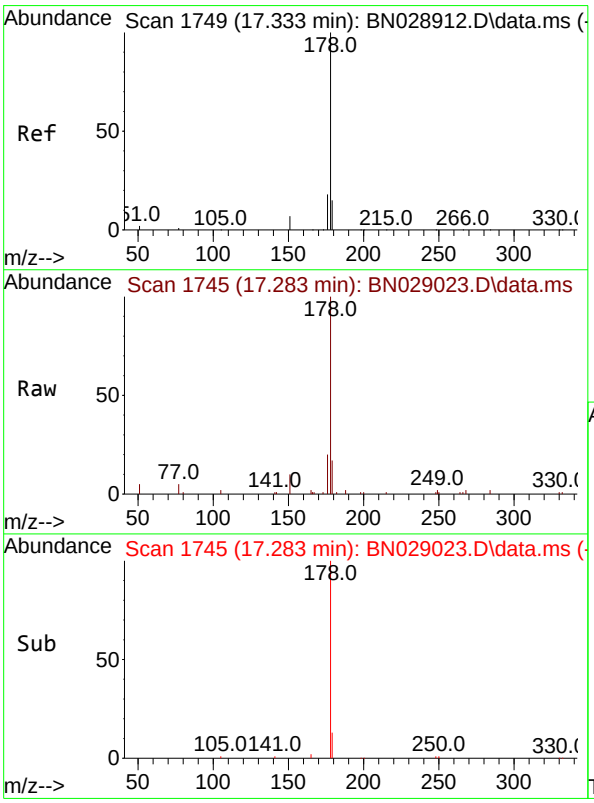
#25
Phenanthrene
Concen: 0.286 ng
RT: 17.196 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:178 Resp: 7254

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.4	24.6
179	15.6	14.1	21.1

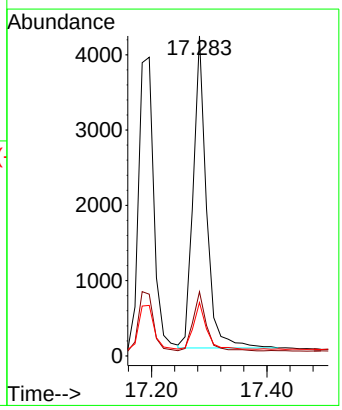


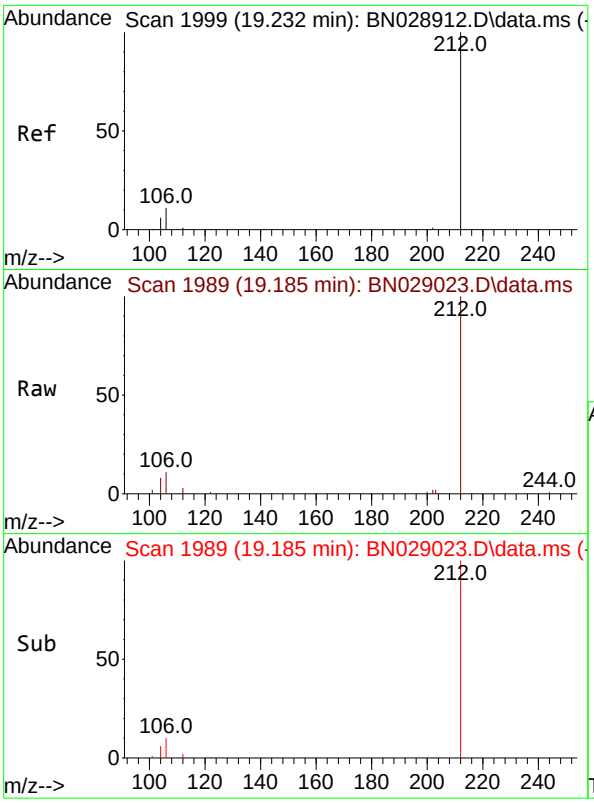


#26
Anthracene
Concen: 0.282 ng
RT: 17.283 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:178 Resp: 6614

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	14.6	12.2	18.2



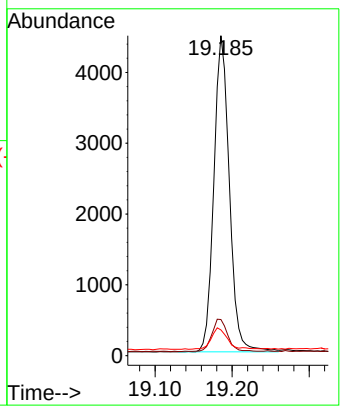


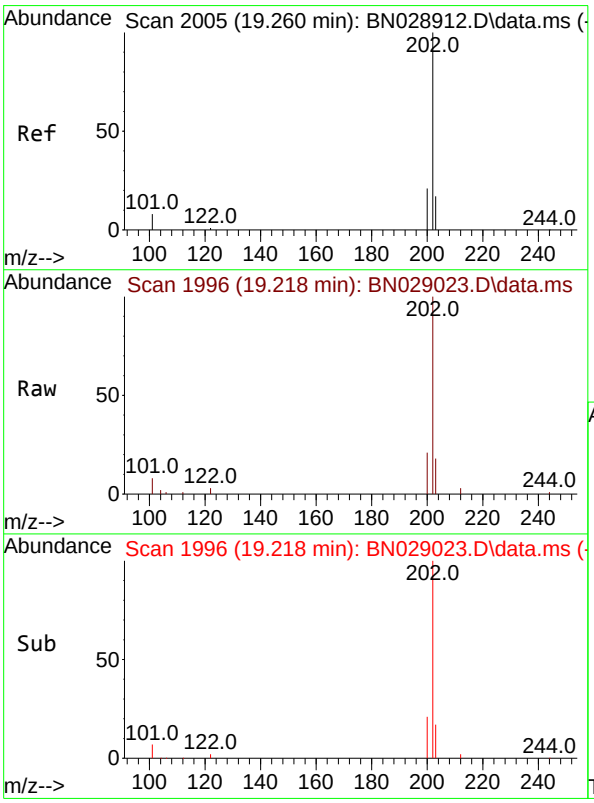
#27
Fluoranthene-d10
Concen: 0.309 ng
RT: 19.185 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:212 Resp: 6242

Ion	Ratio	Lower	Upper
212	100		
106	10.8	9.4	14.2
104	7.0	6.2	9.2

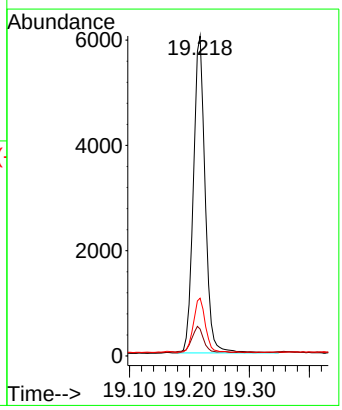


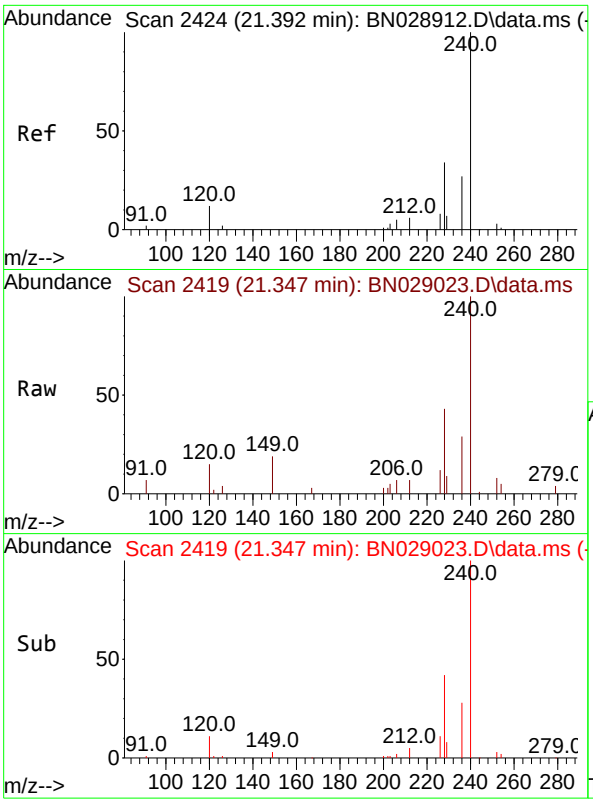


#28
Fluoranthene
Concen: 0.311 ng
RT: 19.218 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:202 Resp: 8211

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.3	10.9
203	17.2	14.1	21.1



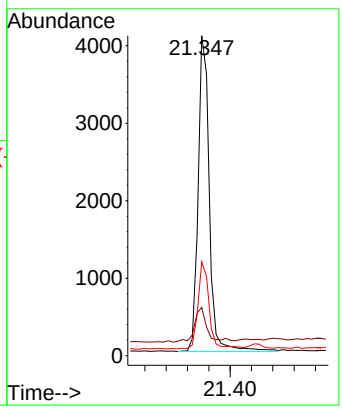


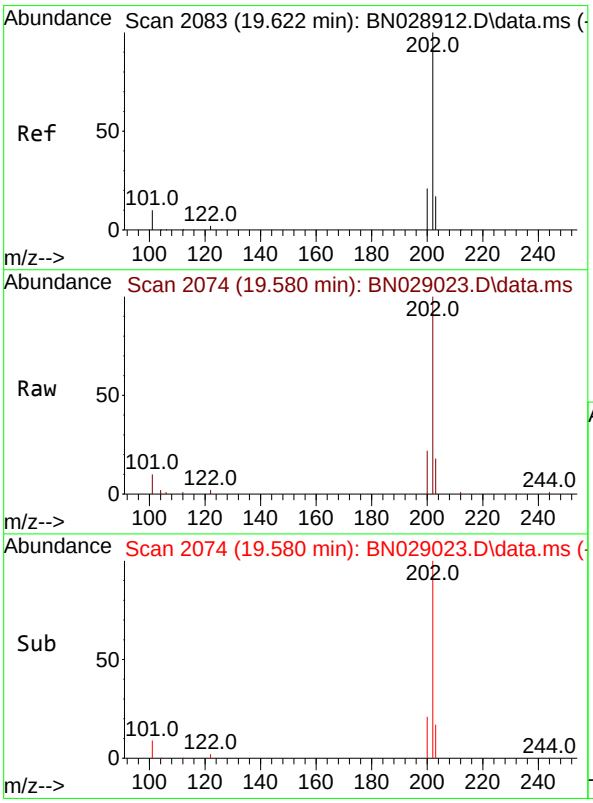
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:240 Resp: 5954

Ion	Ratio	Lower	Upper
240	100		
120	15.1	37.1	55.7#
236	29.3	32.4	48.6#

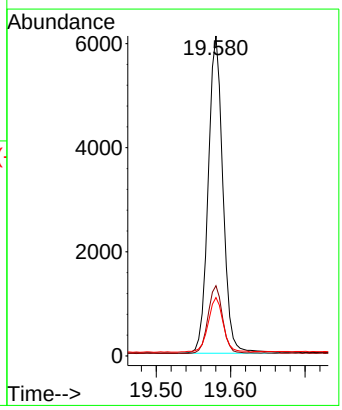


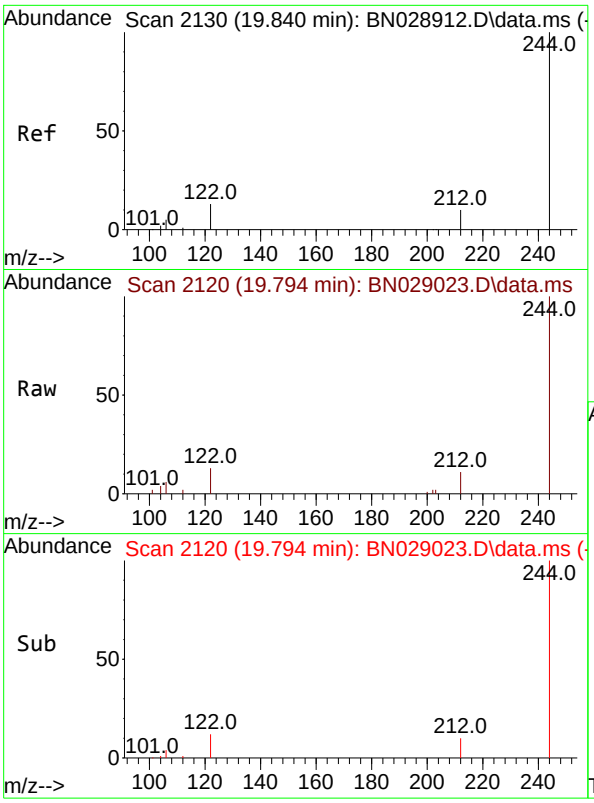


#30
Pyrene
Concen: 0.278 ng
RT: 19.580 min Scan# 2074
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:202 Resp: 8392

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.7	14.8	22.2



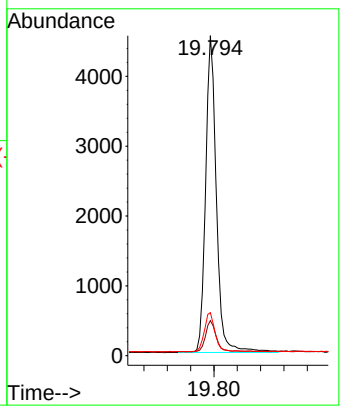


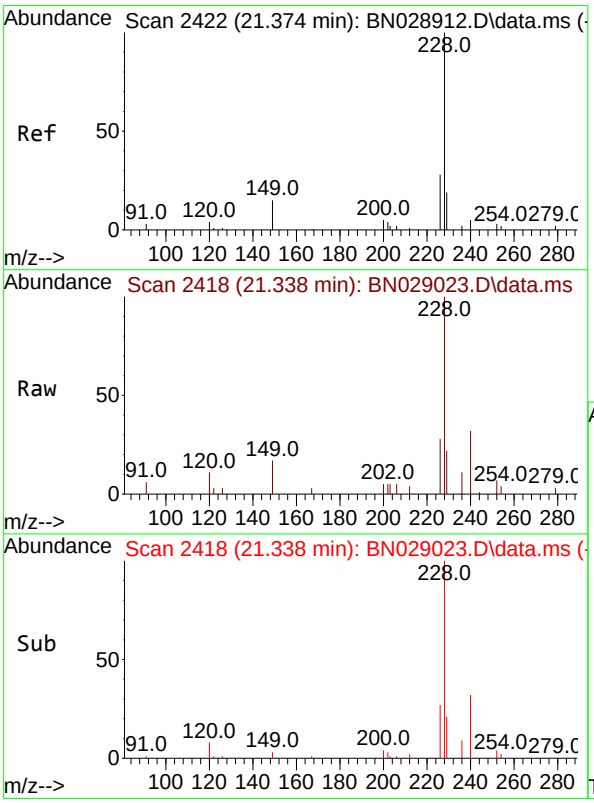
#31
Terphenyl-d14
Concen: 0.365 ng
RT: 19.794 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:244 Resp: 5863

Ion	Ratio	Lower	Upper
244	100		
212	11.0	11.5	17.3#
122	13.5	13.2	19.8

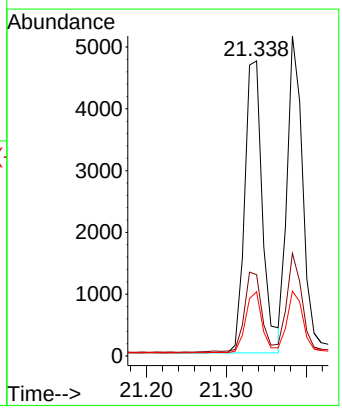


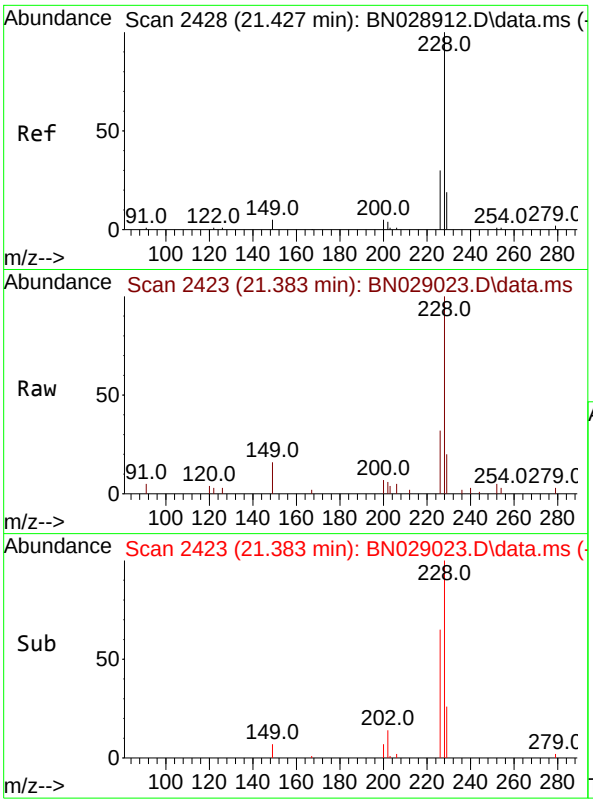


#32
Benzo(a)anthracene
Concen: 0.289 ng
RT: 21.338 min Scan# 2418
Delta R.T. 0.009 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:228 Resp: 7323

Ion	Ratio	Lower	Upper
228	100		
226	27.5	26.5	39.7
229	21.7	16.4	24.6



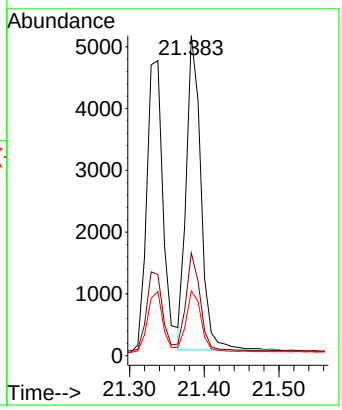


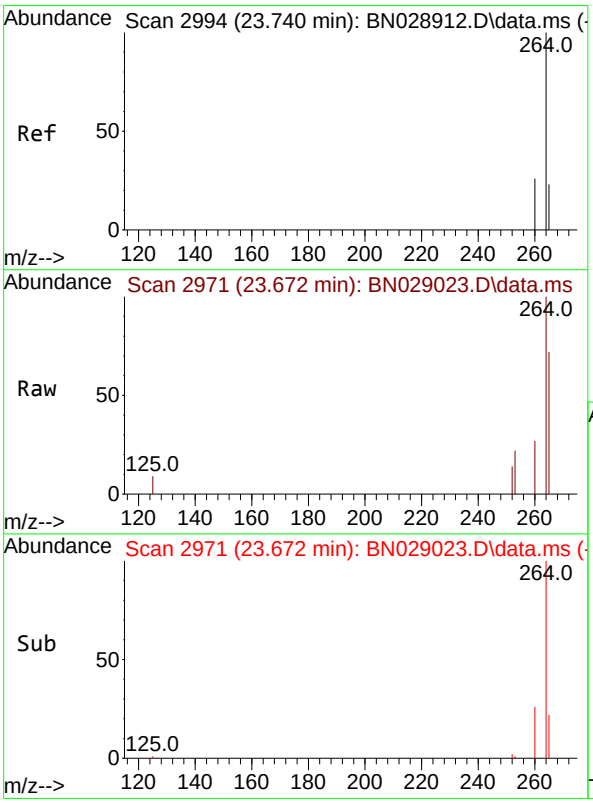
#33
Chrysene
Concen: 0.280 ng
RT: 21.383 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:228 Resp: 6951

Ion	Ratio	Lower	Upper
228	100		
226	32.1	28.3	42.5
229	20.3	16.4	24.6

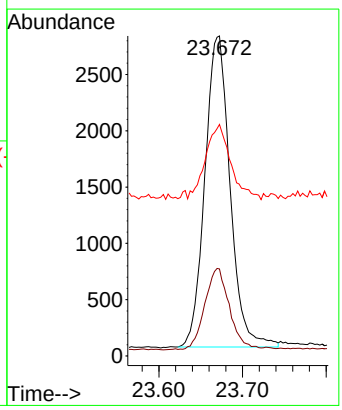


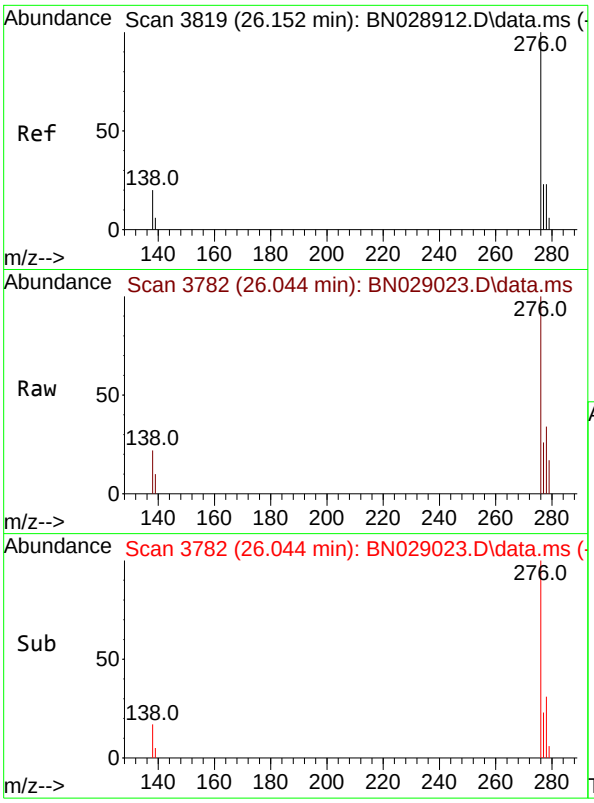


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.672 min Scan# 2971
Delta R.T. 0.003 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:264 Resp: 5780

Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.6	30.8
265	72.4	464.5	696.7#



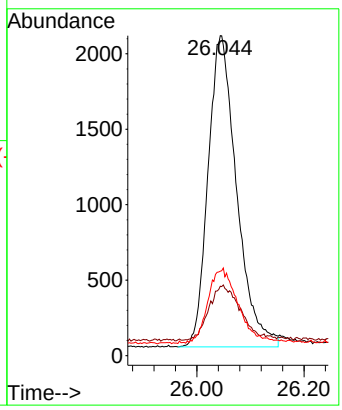


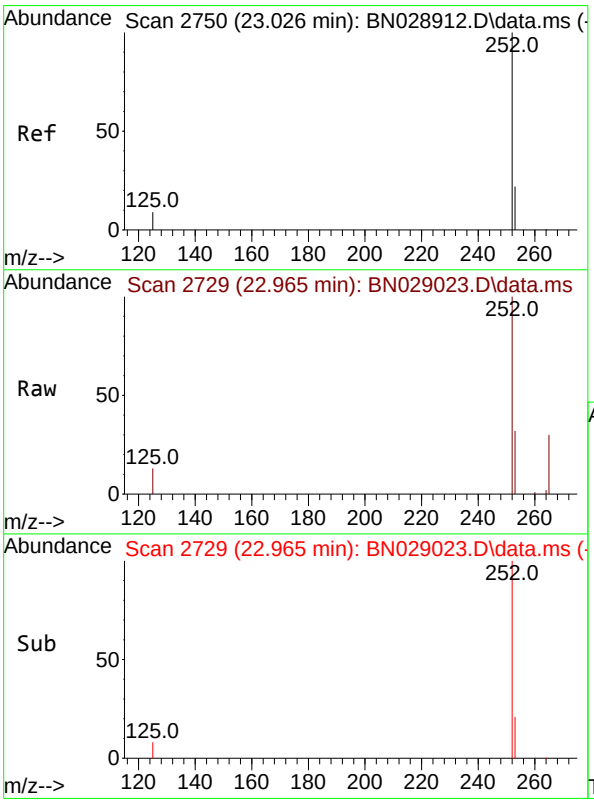
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.303 ng
RT: 26.044 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:276 Resp: 7636

Ion	Ratio	Lower	Upper
276	100		
138	18.9	20.9	31.3#
277	25.4	20.2	30.4

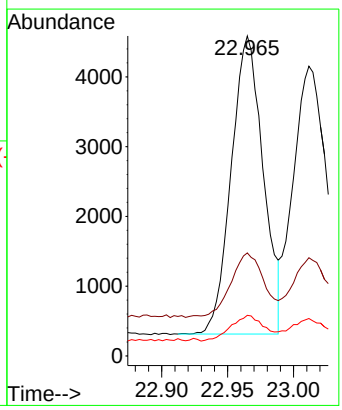


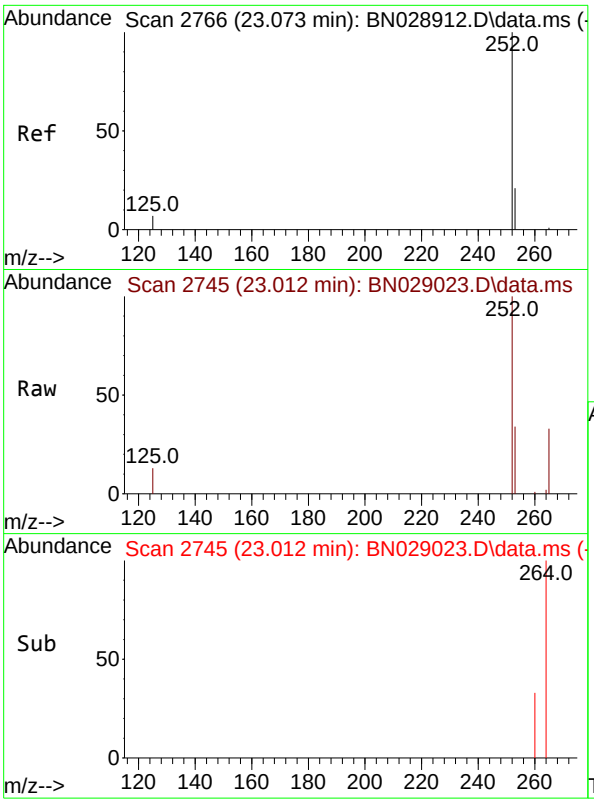


#37
Benzo(b)fluoranthene
Concen: 0.305 ng
RT: 22.965 min Scan# 2729
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:252 Resp: 7202

Ion	Ratio	Lower	Upper
252	100		
253	32.2	94.5	141.7#
125	12.7	23.8	35.8#



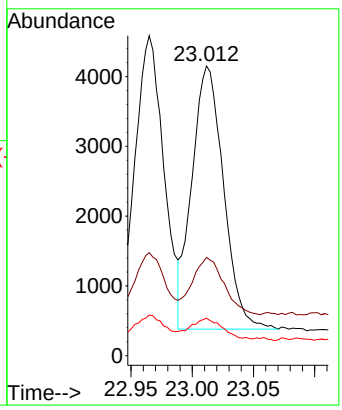


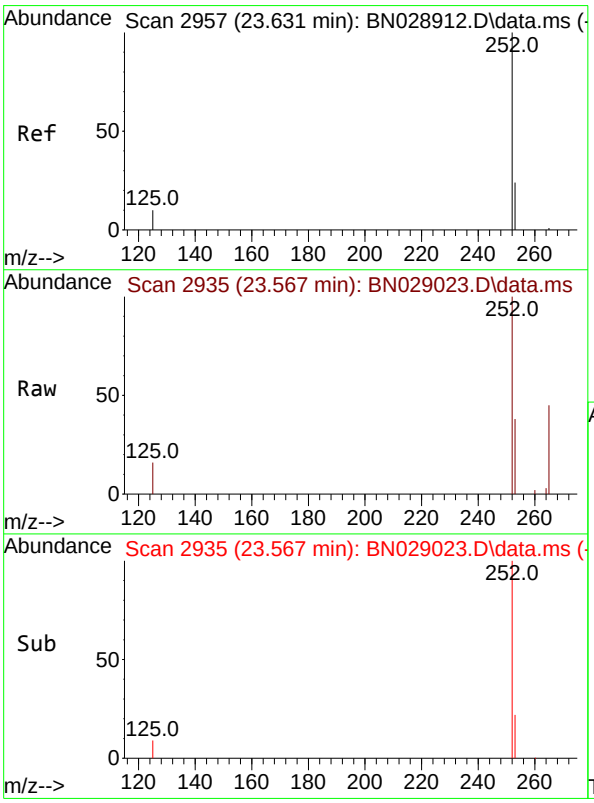
#38
Benzo(k)fluoranthene
Concen: 0.304 ng
RT: 23.012 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:252 Resp: 6786

Ion	Ratio	Lower	Upper
252	100		
253	33.9	95.2	142.8#
125	12.9	24.3	36.5#

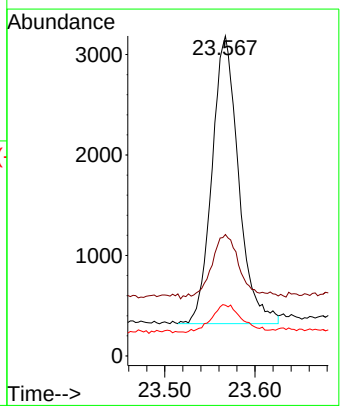


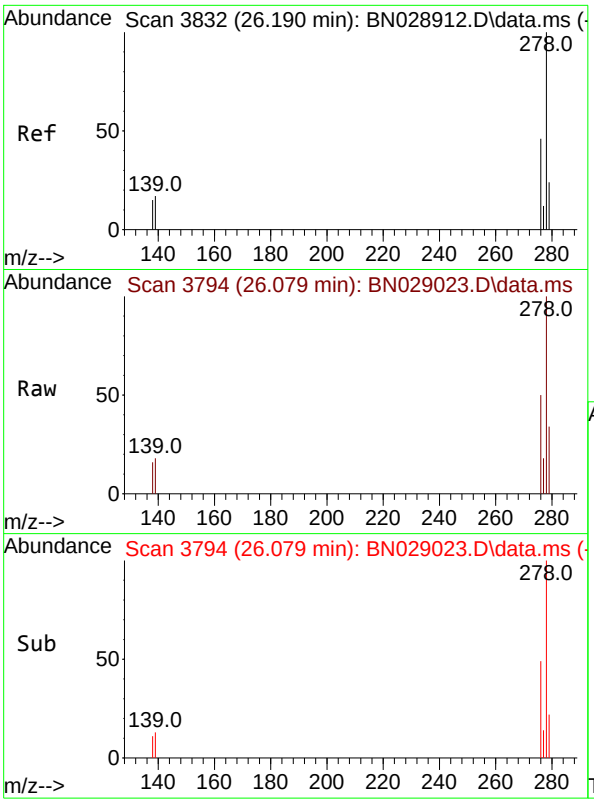


#39
Benzo(a)pyrene
Concen: 0.278 ng
RT: 23.567 min Scan# 2935
Delta R.T. 0.003 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:252 Resp: 5873

Ion	Ratio	Lower	Upper
252	100		
253	37.9	110.2	165.4#
125	15.9	27.0	40.4#



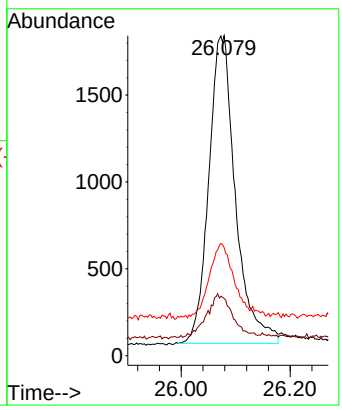


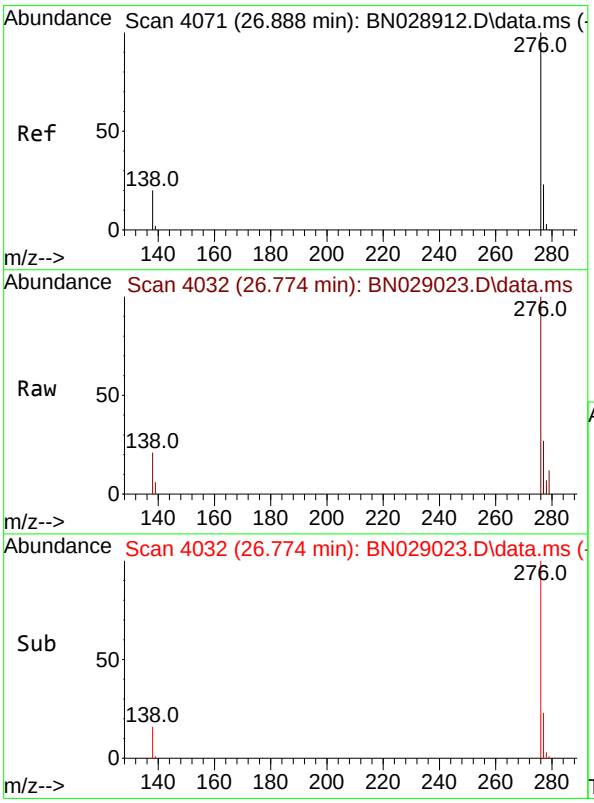
#40
Dibenzo(a,h)anthracene
Concen: 0.310 ng
RT: 26.079 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Instrument :
BNA_N
ClientSampleId :
PB157495BS

Tgt Ion:278 Resp: 6036

Ion	Ratio	Lower	Upper
278	100		
139	17.9	22.6	33.8#
279	33.8	102.6	153.8#





#41
Benzo(g,h,i)perylene
Concen: 0.293 ng
RT: 26.774 min Scan# 4032
Delta R.T. -0.003 min
Lab File: BN029023.D
Acq: 03 Dec 2023 16:19

Tgt Ion:276 Resp: 6420

Ion	Ratio	Lower	Upper
276	100		
277	26.6	28.9	43.3#
138	21.2	36.2	54.2#