Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
Data File : BN028423.D
Acq On : 02 Nov 2023 16:12
Operator : MA/JU
Sample : PB156828BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Quant Time: Nov 02 17:09:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 02 06:26:50 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	10438	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	30012	0.400	ng	0.00
13) Acenaphthene-d10	14.363	164	15688	0.400	ng	0.00
19) Phenanthrene-d10	17.108	188	34589	0.400	ng	#-0.01
29) Chrysene-d12	21.319	240	25197	0.400	ng	# 0.00
35) Perylene-d12	23.634	264	22913	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	10084	0.370	ng	0.00
5) Phenol-d6	6.894	99	12350	0.358	ng	0.00
8) Nitrobenzene-d5	8.875	82	6743	0.348	ng	0.00
11) 2-Methylnaphthalene-d10	12.110	152	16609	0.387	ng	0.00
14) 2,4,6-Tribromophenol	15.855	330	1918	0.314	ng	0.00
15) 2-Fluorobiphenyl	13.006	172	4777	0.256	ng	0.00
27) Fluoranthene-d10	19.152	212	31908	0.373	ng	0.00
31) Terphenyl-d14	19.765	244	20776	0.392	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.203	88	3497	0.303	ng	# 71
3) n-Nitrosodimethylamine	3.514	42	4898	0.380	ng	99
6) bis(2-Chloroethyl)ether	7.154	93	11911	0.398	ng	99
9) Naphthalene	10.562	128	32443	0.401	ng	100
10) Hexachlorobutadiene	10.861	225	5446	0.404	ng	# 100
12) 2-Methylnaphthalene	12.181	142	20517	0.363	ng	99
16) Acenaphthylene	14.085	152	28953	0.374	ng	99
17) Acenaphthene	14.427	154	19541	0.398	ng	99
18) Fluorene	15.411	166	26614	0.398	ng	99
20) 4,6-Dinitro-2-methylph...	15.496	198	994	0.386	ng	95
21) 4-Bromophenyl-phenylether	16.314	248	7804	0.407	ng	# 88
22) Hexachlorobenzene	16.413	284	8644	0.427	ng	100
23) Atrazine	16.587	200	6076	0.378	ng	96
24) Pentachlorophenol	16.761	266	5064	0.694	ng	100
25) Phenanthrene	17.158	178	41706	0.408	ng	100
26) Anthracene	17.245	178	35515	0.364	ng	100
28) Fluoranthene	19.185	202	44413	0.372	ng	100
30) Pyrene	19.547	202	44838	0.427	ng	100
32) Benzo(a)anthracene	21.310	228	38642	0.386	ng	99
33) Chrysene	21.355	228	40093	0.403	ng	100
34) Bis(2-ethylhexyl)phtha...	21.265	149	15847	0.307	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.011	276	38809	0.477	ng	99
37) Benzo(b)fluoranthene	22.932	252	39301	0.507	ng	99
38) Benzo(k)fluoranthene	22.979	252	36657	0.409	ng	99
39) Benzo(a)pyrene	23.531	252	29049	0.372	ng	97
40) Dibenzo(a,h)anthracene	26.034	278	31461	0.429	ng	97
41) Benzo(g,h,i)perylene	26.727	276	33844	0.431	ng	98

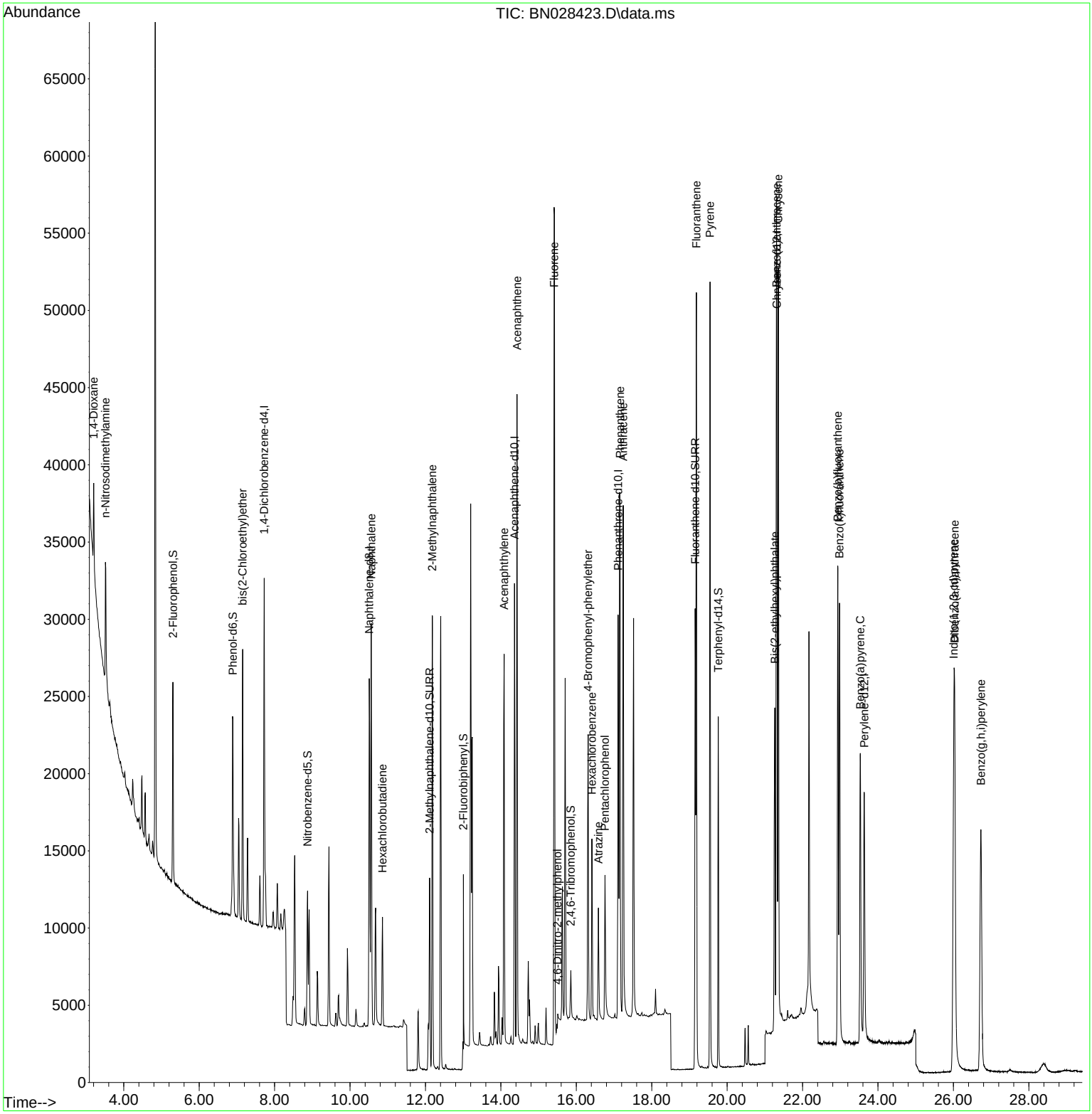
(#) = qualifier out of range (m) = manual integration (+) = signals summed

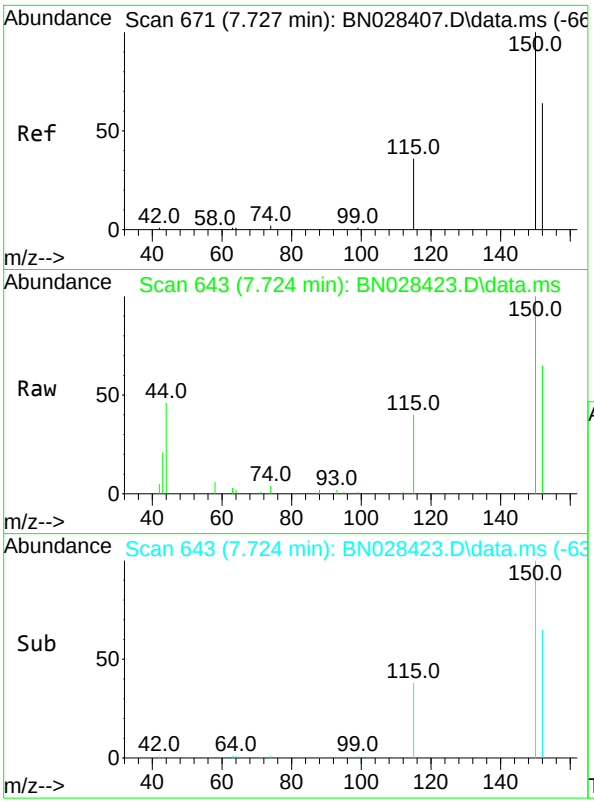
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110223\
Data File : BN028423.D
Acq On : 02 Nov 2023 16:12
Operator : MA/JU
Sample : PB156828BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Quant Time: Nov 02 17:09:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 02 06:26:50 2023
Response via : Initial Calibration



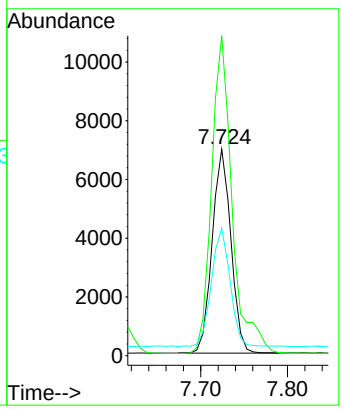


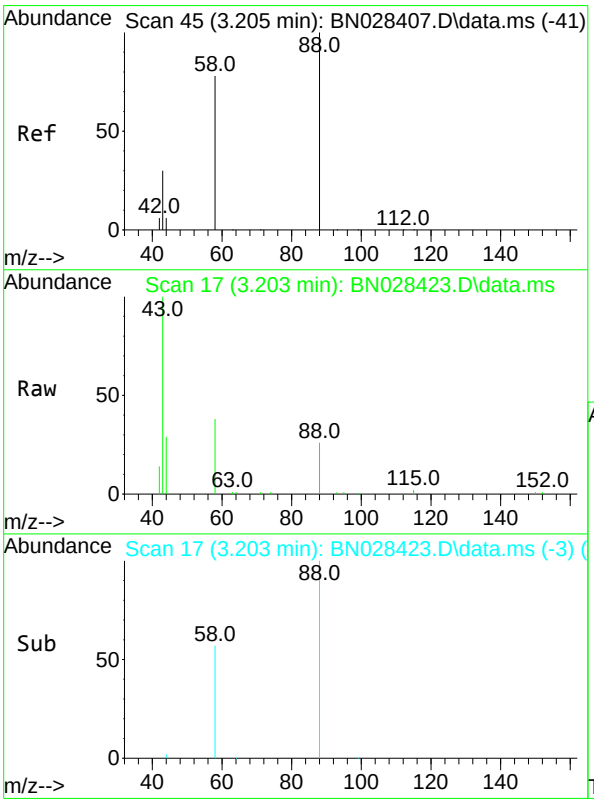
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 64
Delta R.T. -0.003 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:152 Resp: 10438

Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.8	185.6
115	61.7	47.0	70.6

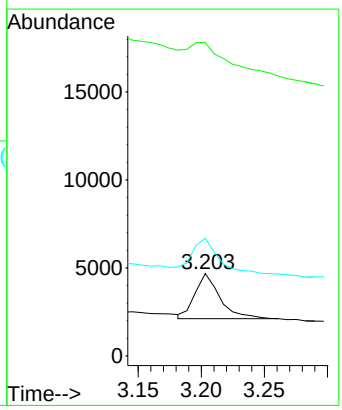


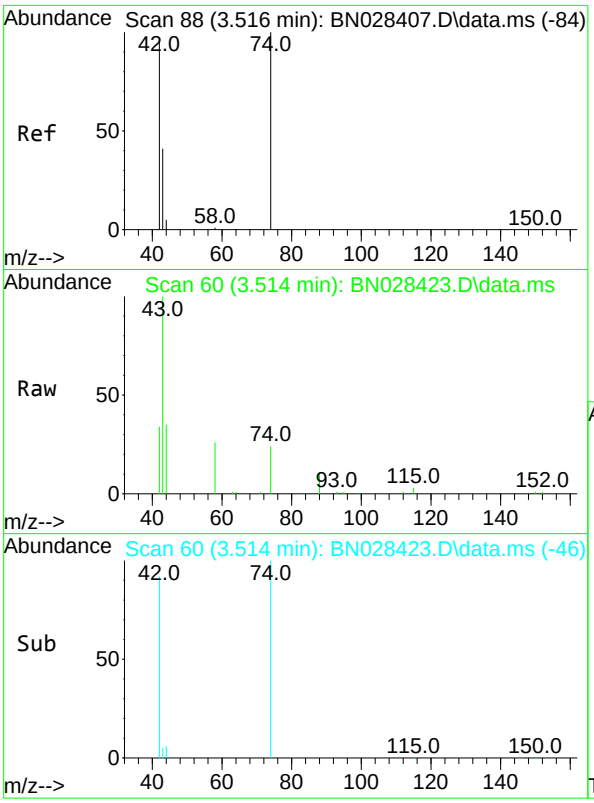


#2
1,4-Dioxane
Concen: 0.303 ng
RT: 3.203 min Scan# 17
Delta R.T. -0.002 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion: 88 Resp: 3497

Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.3	36.5#
58	89.7	59.8	89.6#



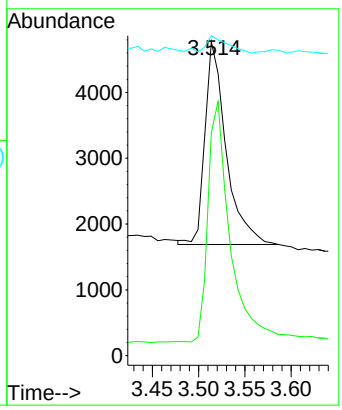


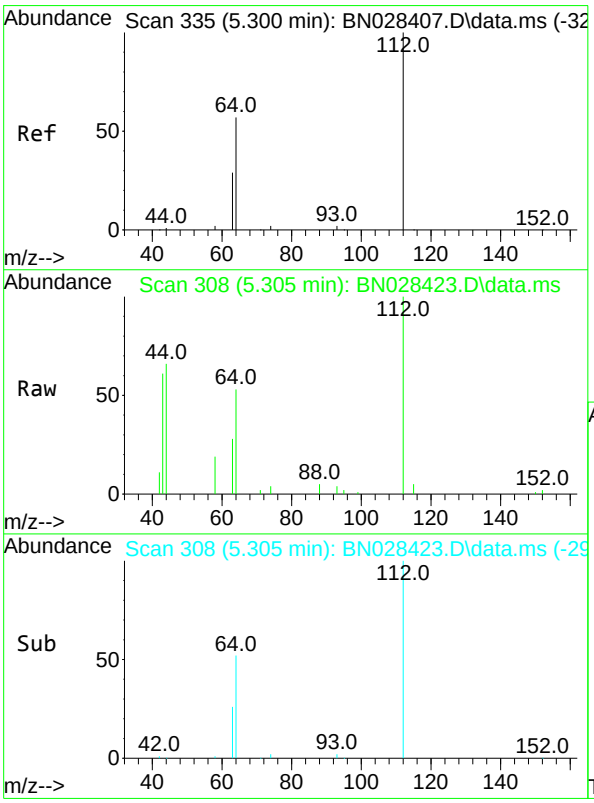
#3
n-Nitrosodimethylamine
Concen: 0.380 ng
RT: 3.514 min Scan# 6
Delta R.T. -0.002 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion: 42 Resp: 4898

Ion	Ratio	Lower	Upper
42	100		
74	124.4	100.3	150.5
44	9.1	6.2	9.2

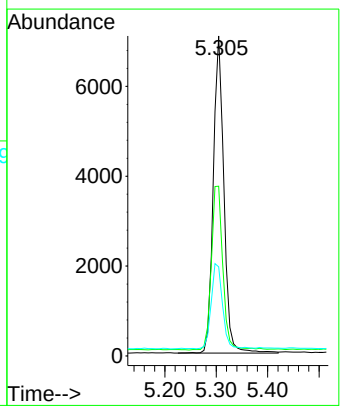


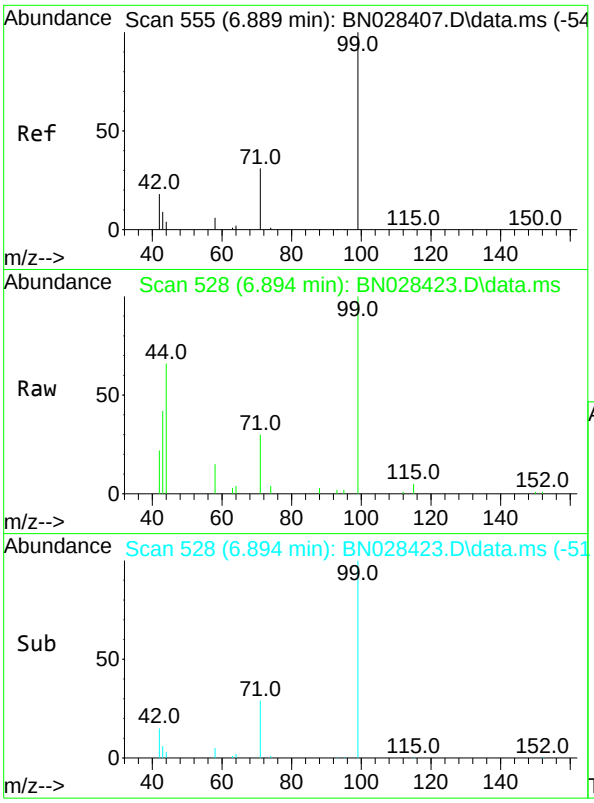


#4
2-Fluorophenol
Concen: 0.370 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.005 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:112 Resp: 10084

Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.3	66.5
63	28.7	22.6	33.8



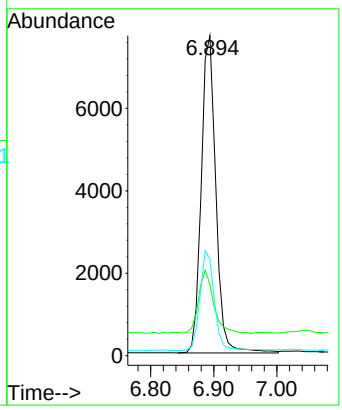


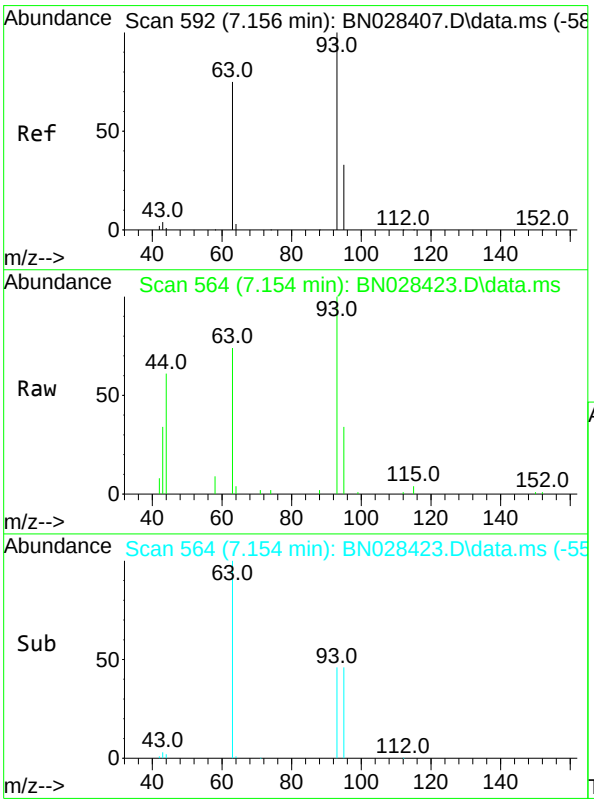
#5
Phenol-d6
Concen: 0.358 ng
RT: 6.894 min Scan# 5
Delta R.T. 0.005 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion: 99 Resp: 12350

Ion	Ratio	Lower	Upper
99	100		
42	20.8	15.4	23.0
71	31.1	24.4	36.6

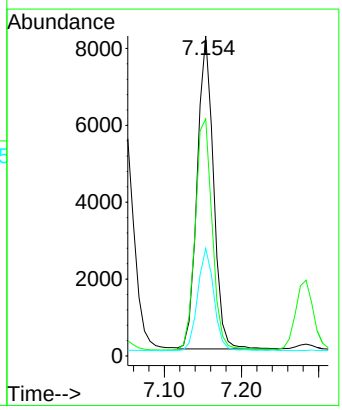


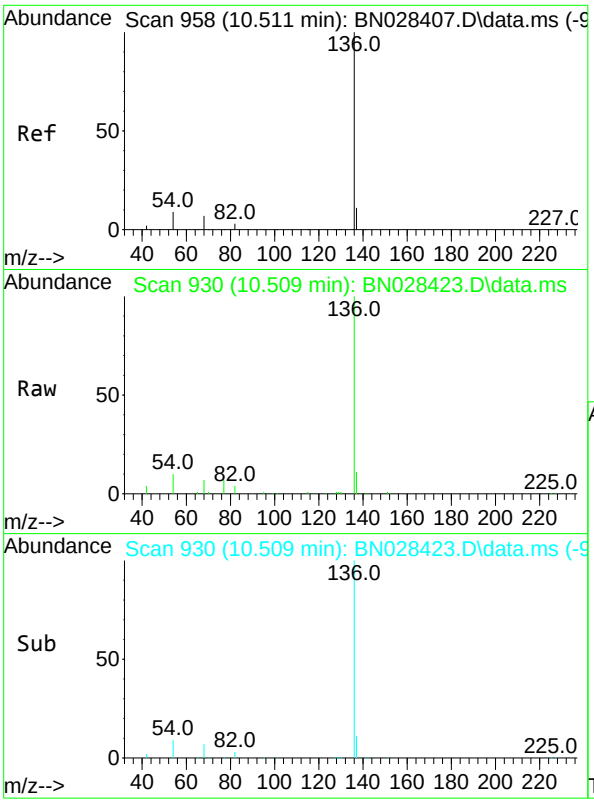


#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.002 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion: 93 Resp: 11911

Ion	Ratio	Lower	Upper
93	100		
63	77.7	61.4	92.0
95	32.8	26.1	39.1



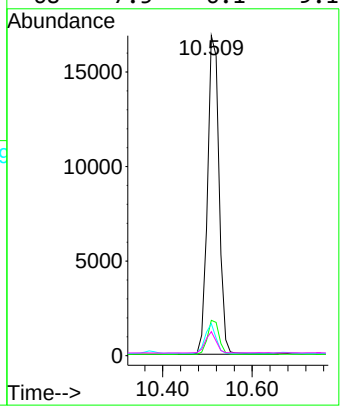


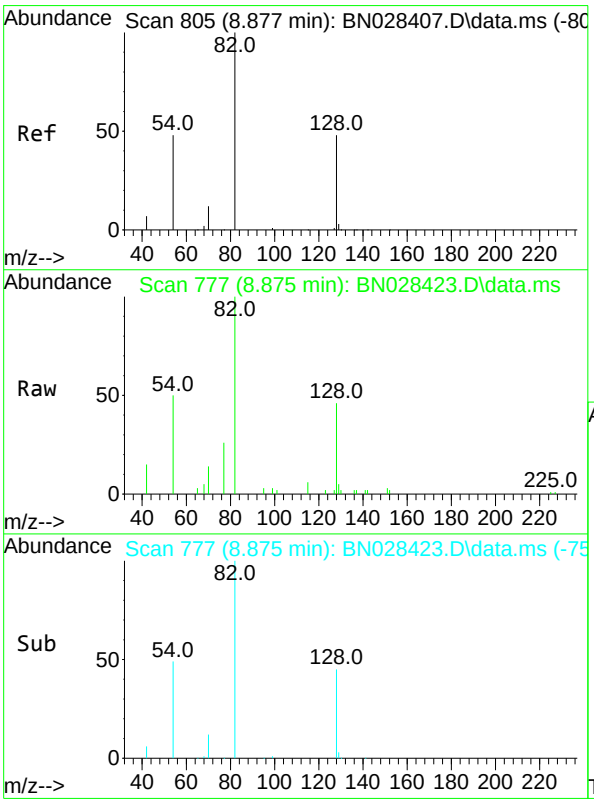
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 9
Delta R.T. -0.002 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:136 Resp: 30012

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	10.0	7.9	11.9
68	7.5	6.1	9.1

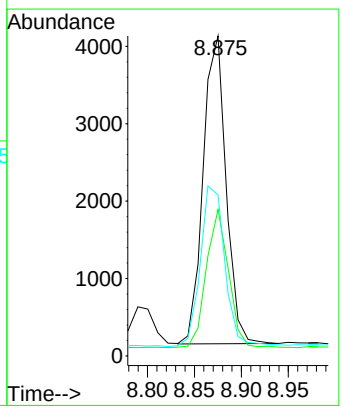


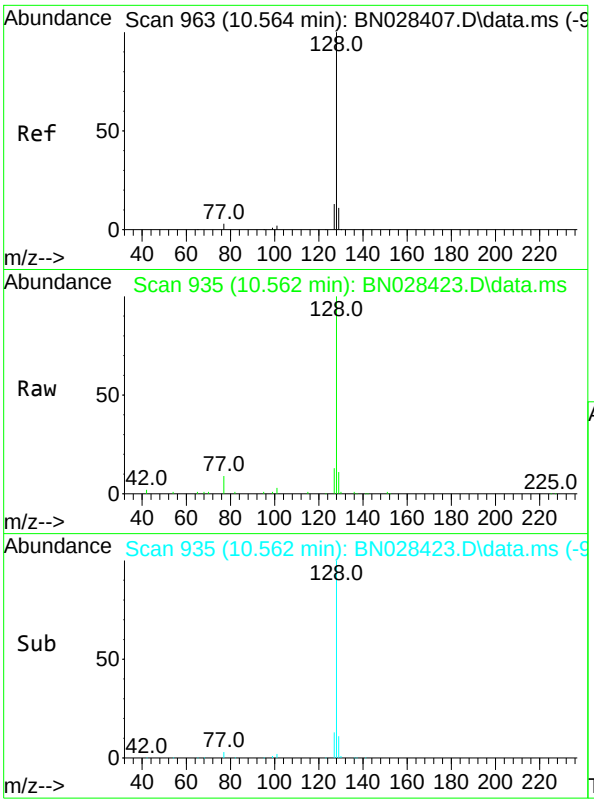


#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.875 min Scan# 777
Delta R.T. -0.002 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion: 82 Resp: 6743

Ion	Ratio	Lower	Upper
82	100		
128	45.8	38.8	58.2
54	50.3	40.3	60.5



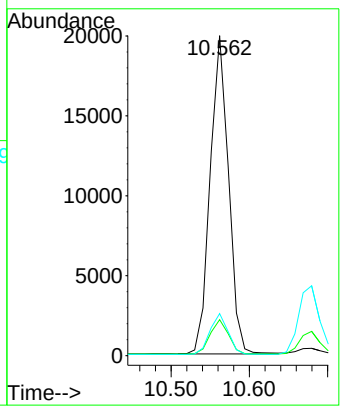


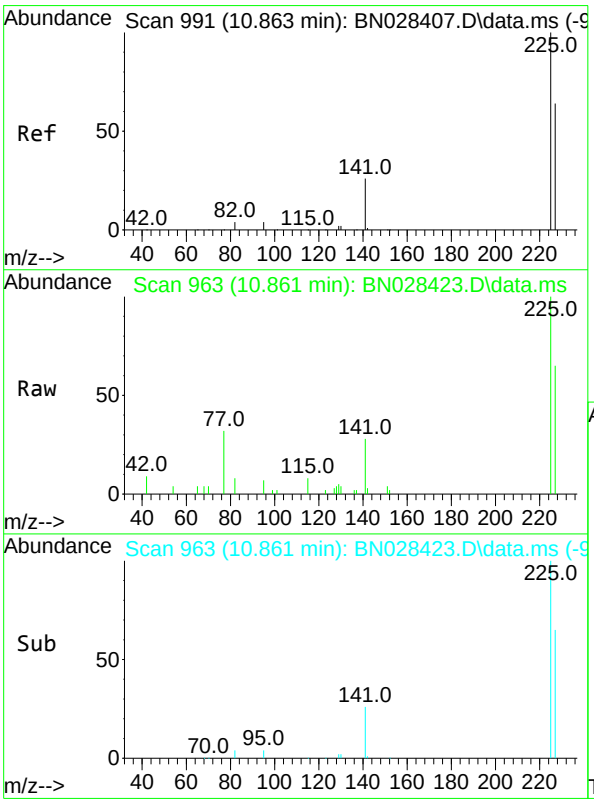
#9
Naphthalene
Concen: 0.401 ng
RT: 10.562 min Scan# 9
Delta R.T. -0.002 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:128 Resp: 32443

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.1	10.4	15.6

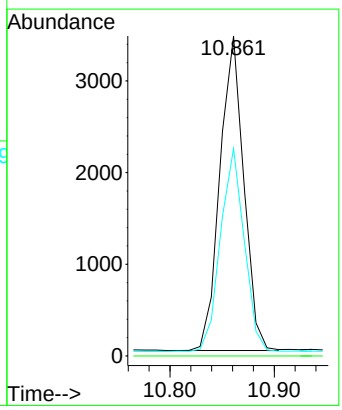


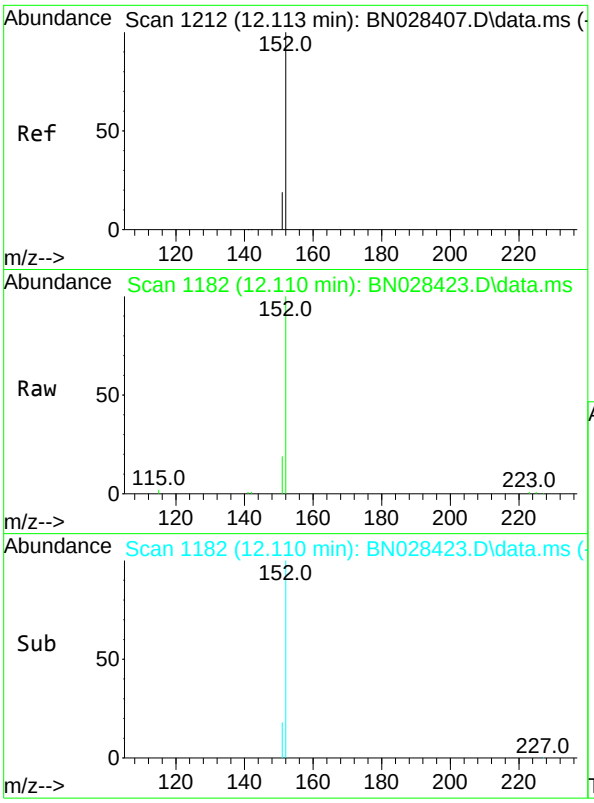


#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.002 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:225 Resp: 5446

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.4	77.0



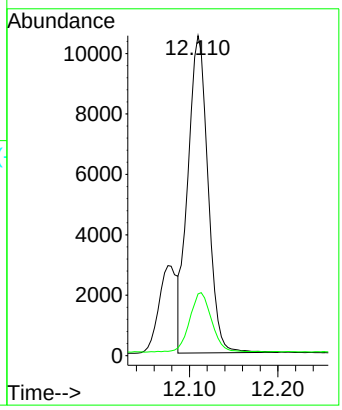


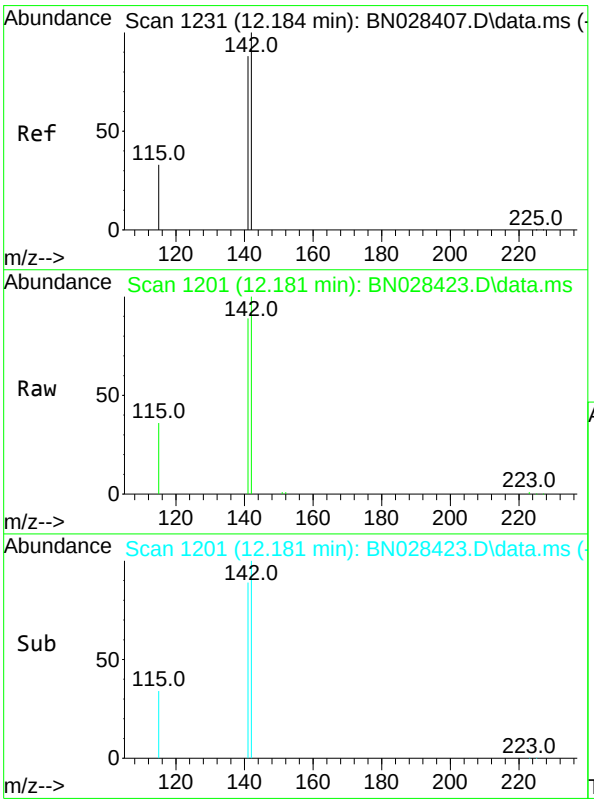
#11
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 12.110 min Scan# 11
Delta R.T. -0.003 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:152 Resp: 16609

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6

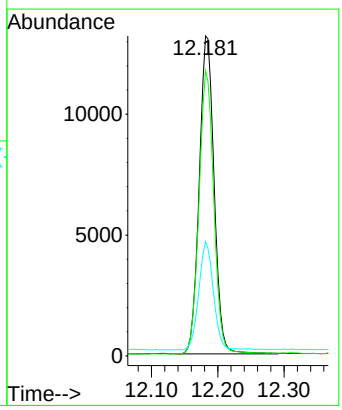


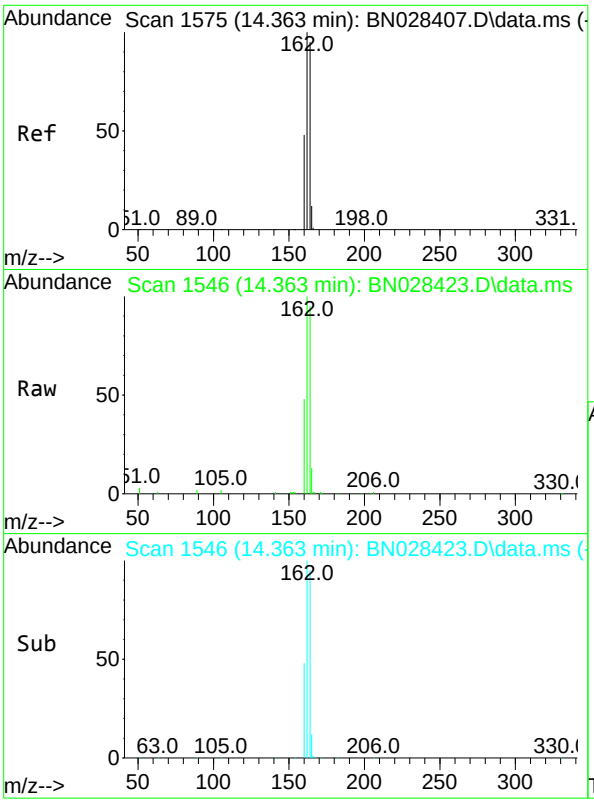


#12
2-Methylnaphthalene
Concen: 0.363 ng
RT: 12.181 min Scan# 1201
Delta R.T. -0.003 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:142 Resp: 20517

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.7	106.1
115	35.8	27.6	41.4





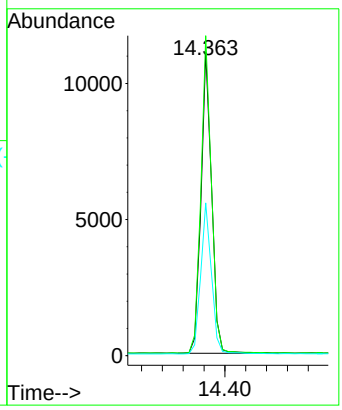
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.363 min Scan# 1

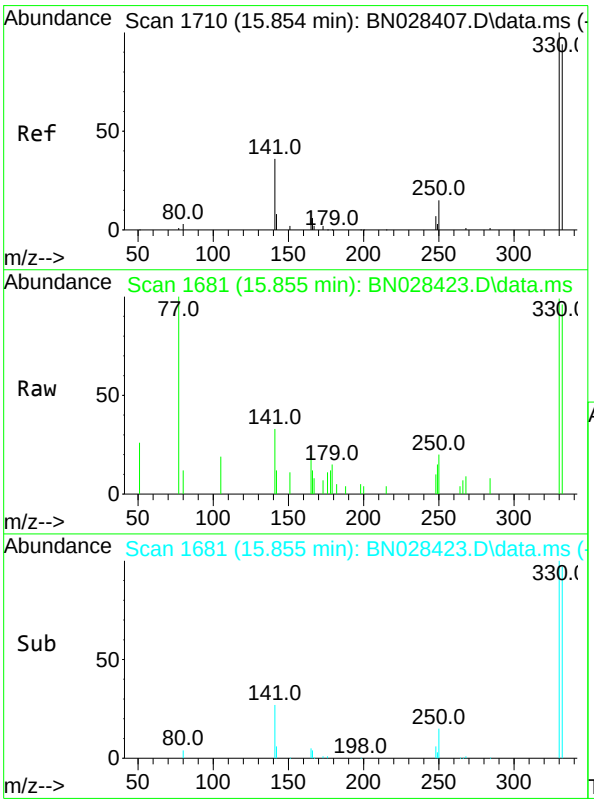
Instrument :
BNA_N
ClientSampleId :
PB156828BS

Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:164 Resp: 15688

Ion	Ratio	Lower	Upper
164	100		
162	105.5	84.6	127.0
160	50.3	41.3	61.9

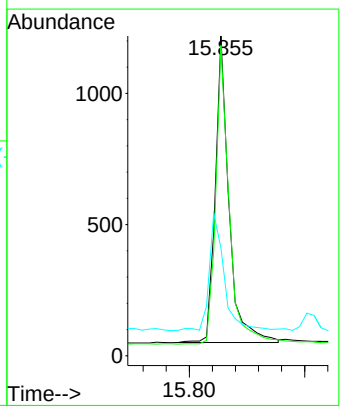


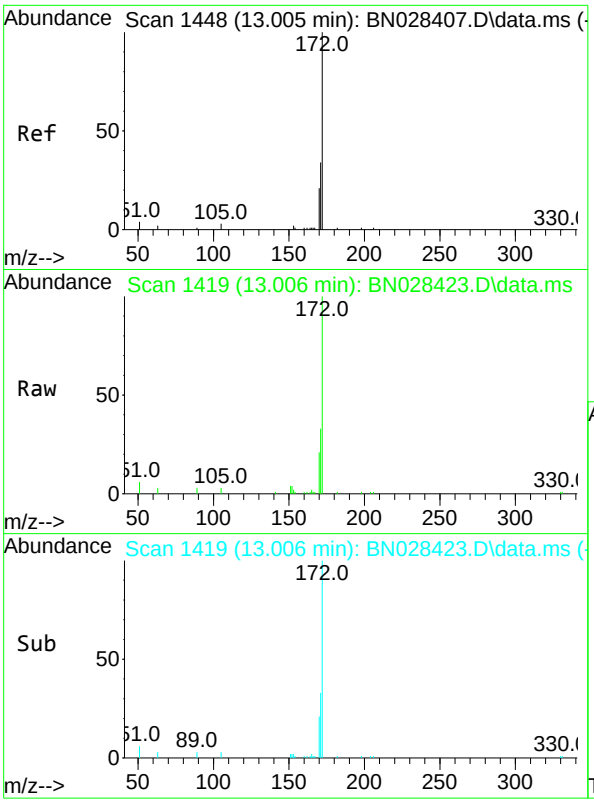


#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.855 min Scan# 1681
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:330 Resp: 1918

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.2	114.2
141	41.1	32.8	49.2



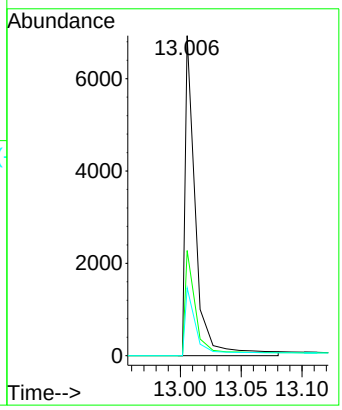


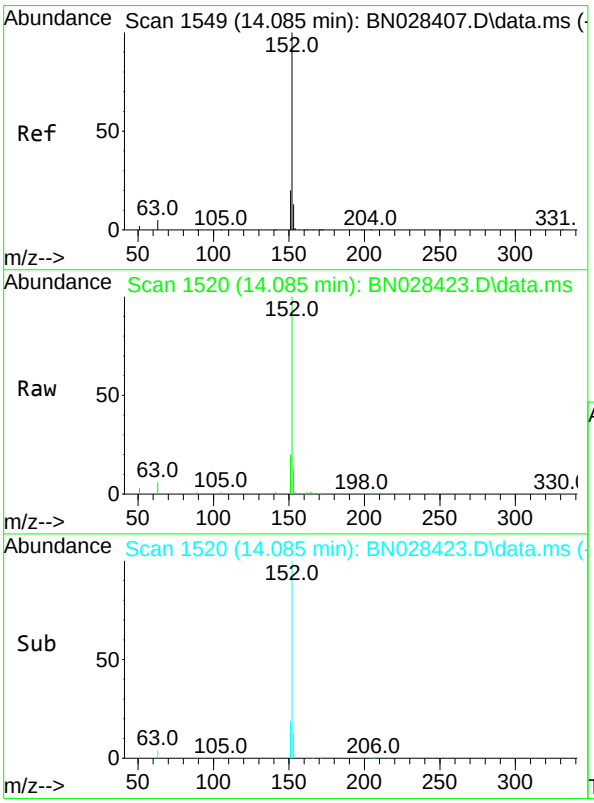
#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.006 min Scan# 14
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:172 Resp: 4777

Ion	Ratio	Lower	Upper
172	100		
171	32.8	27.2	40.8
170	21.2	17.1	25.7

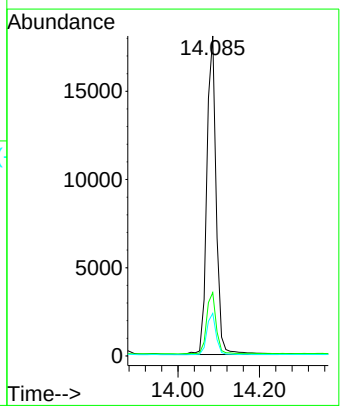


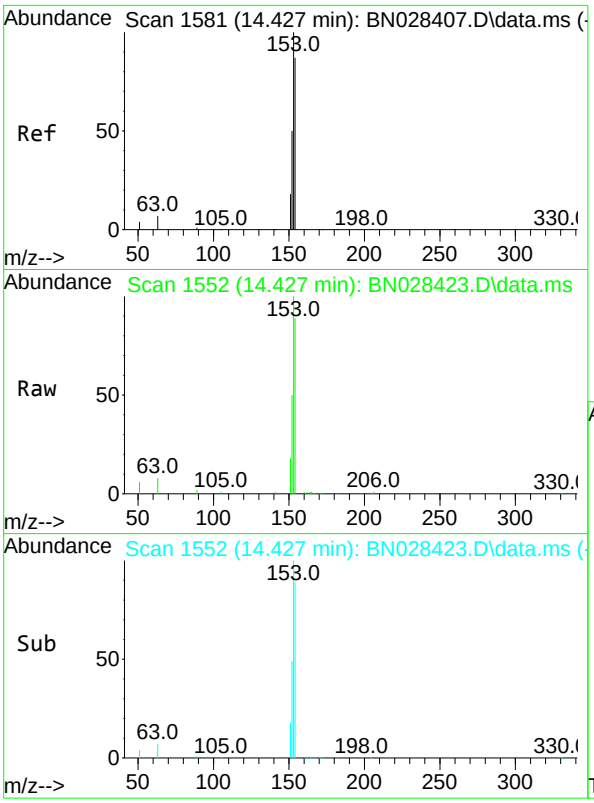


#16
Acenaphthylene
Concen: 0.374 ng
RT: 14.085 min Scan# 1520
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:152 Resp: 28953

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	12.8	10.5	15.7



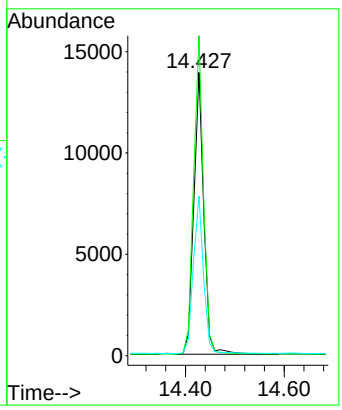


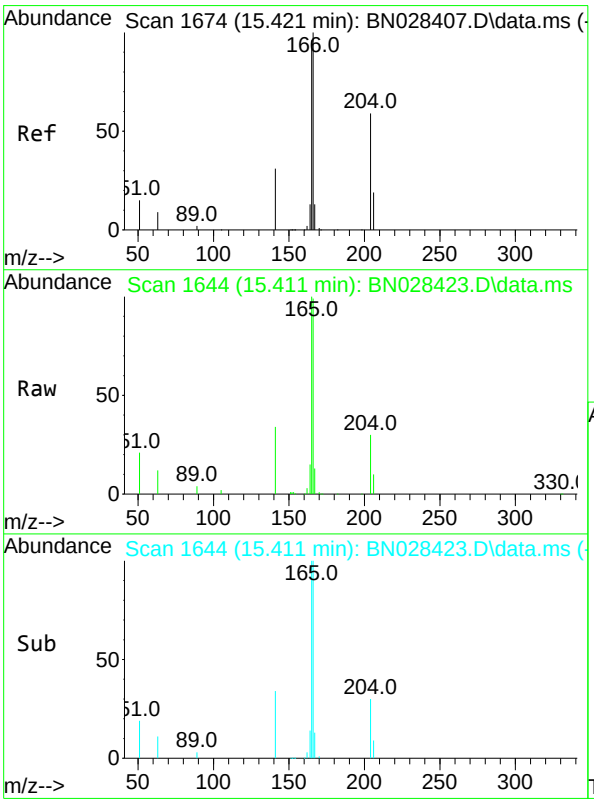
#17
Acenaphthene
Concen: 0.398 ng
RT: 14.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:154 Resp: 19541

Ion	Ratio	Lower	Upper
154	100		
153	111.8	90.5	135.7
152	57.0	45.8	68.6

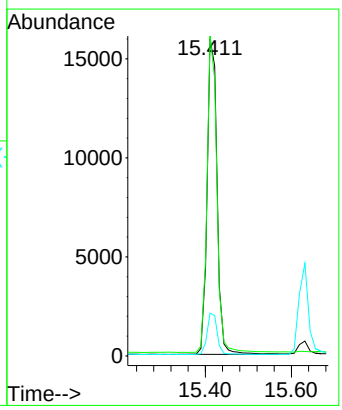


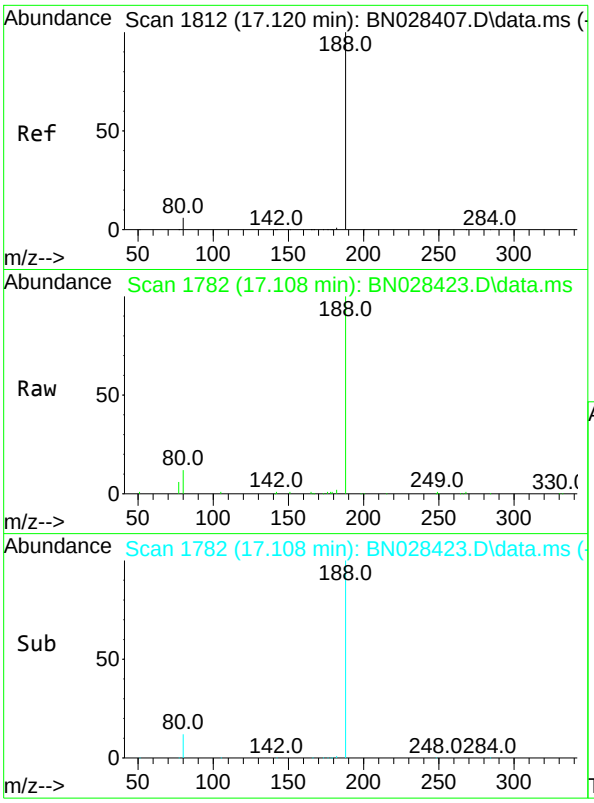


#18
Fluorene
Concen: 0.398 ng
RT: 15.411 min Scan# 1644
Delta R.T. -0.010 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:166 Resp: 26614

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.2	118.8
167	12.9	10.6	16.0



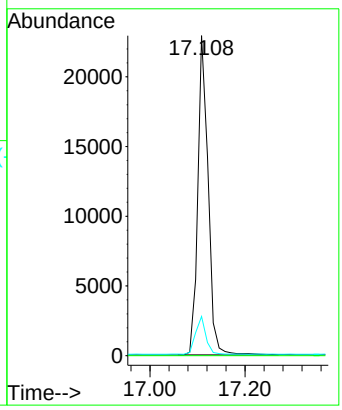


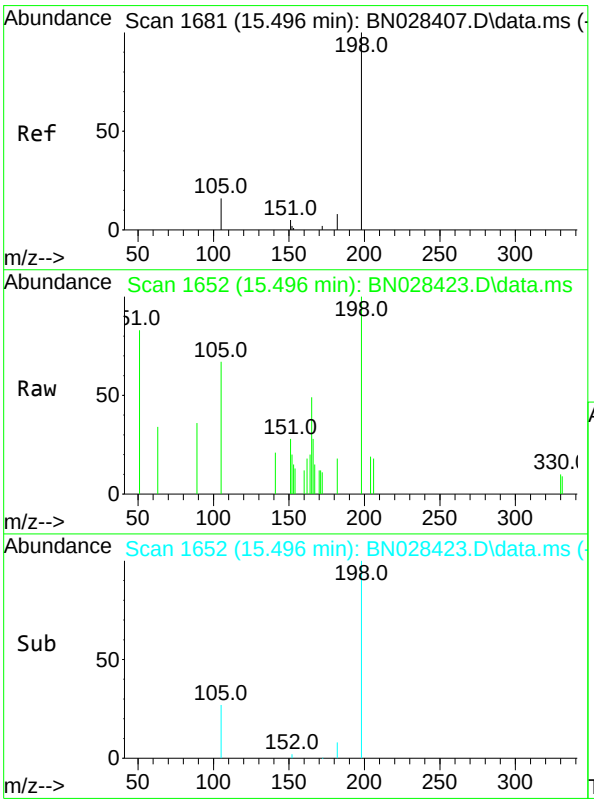
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.108 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:188 Resp: 34589

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	5.3	7.9#

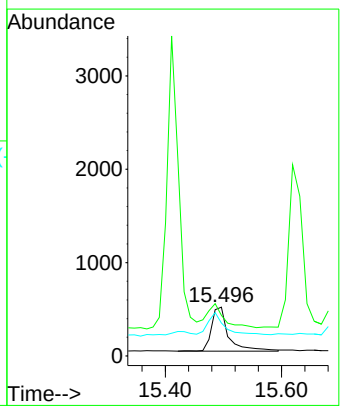


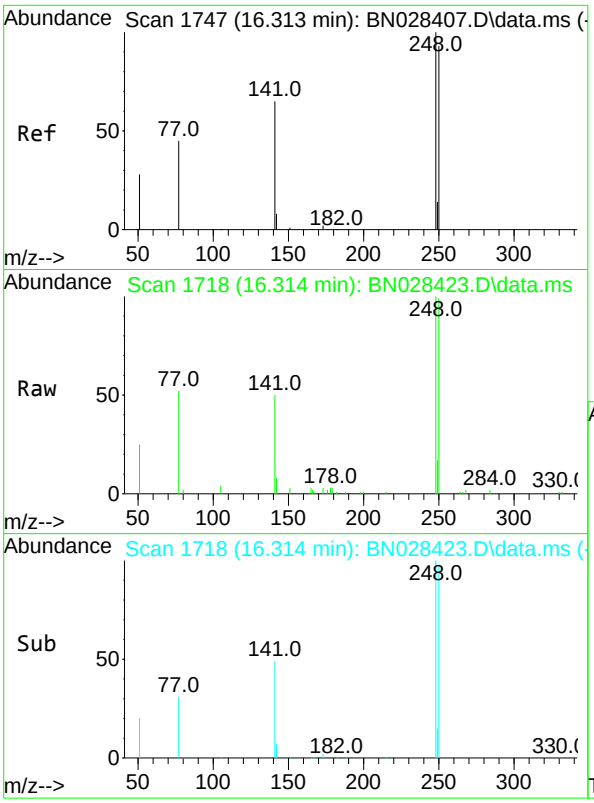


#20
4,6-Dinitro-2-methylphenol
Concen: 0.386 ng
RT: 15.496 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:198 Resp: 994

Ion	Ratio	Lower	Upper
198	100		
51	83.2	63.3	94.9
105	67.5	50.0	75.0



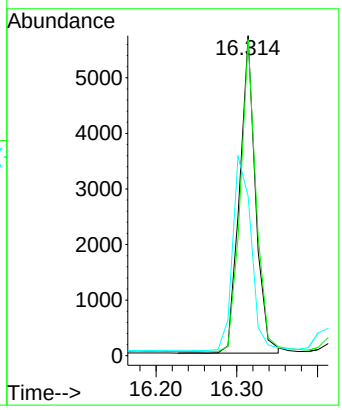


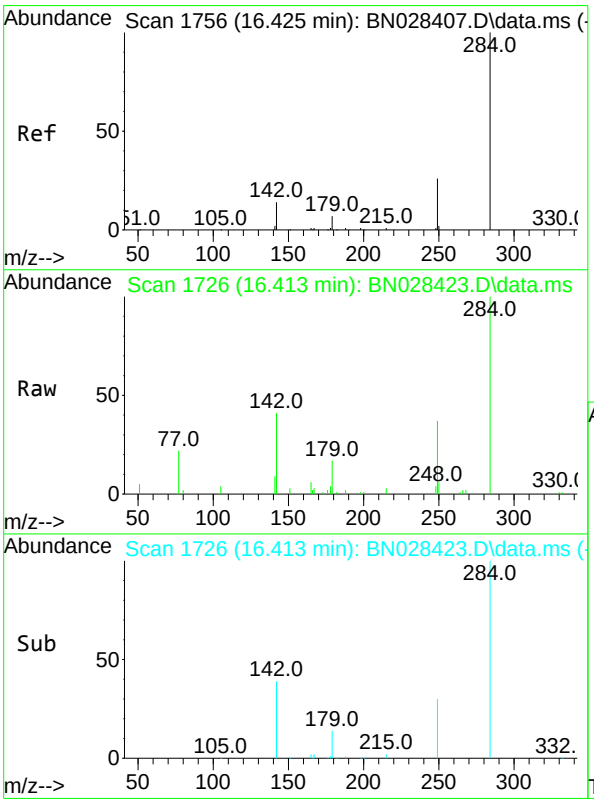
#21
4-Bromophenyl-phenylether
Concen: 0.407 ng
RT: 16.314 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:248 Resp: 7804

Ion	Ratio	Lower	Upper
248	100		
250	98.8	74.6	111.8
141	49.8	53.4	80.2#

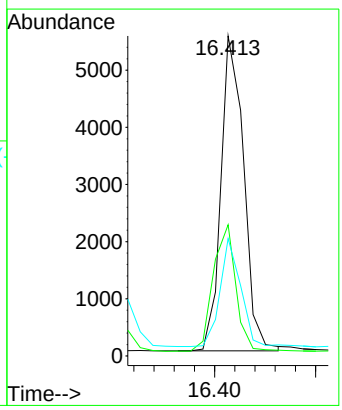


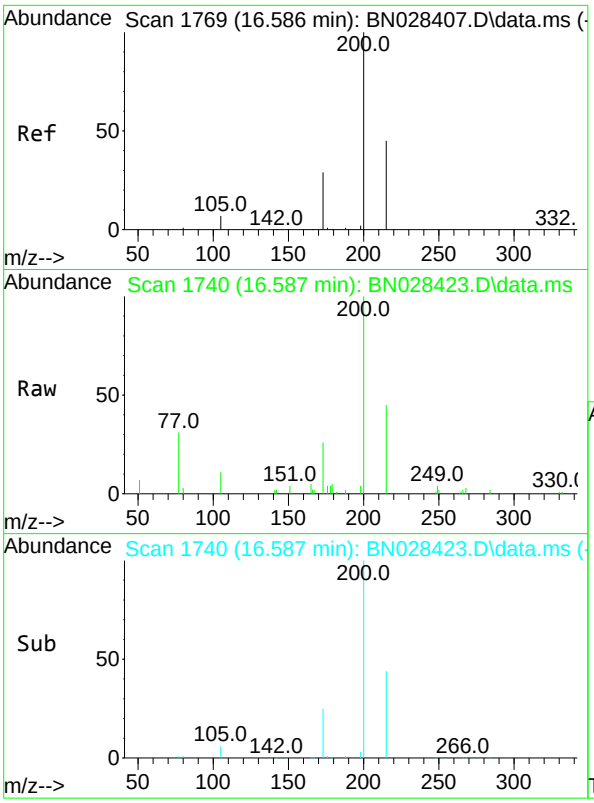


#22
Hexachlorobenzene
Concen: 0.427 ng
RT: 16.413 min Scan# 1726
Delta R.T. -0.012 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:284 Resp: 8644

Ion	Ratio	Lower	Upper
284	100		
142	39.7	31.8	47.6
249	30.9	25.0	37.6



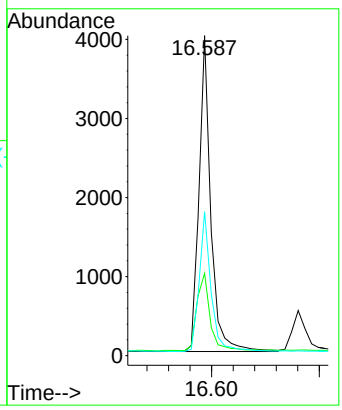


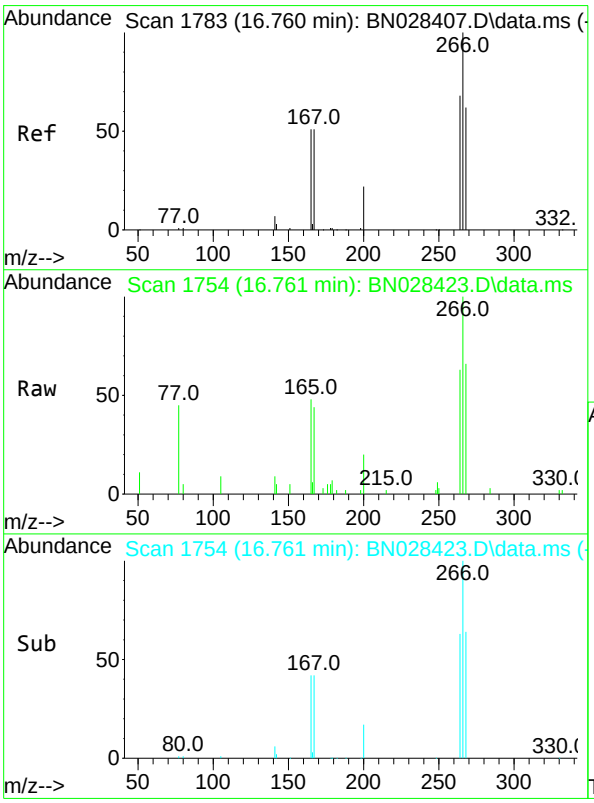
#23
Atrazine
Concen: 0.378 ng
RT: 16.587 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:200 Resp: 6076

Ion	Ratio	Lower	Upper
200	100		
173	25.7	24.3	36.5
215	45.0	36.2	54.4

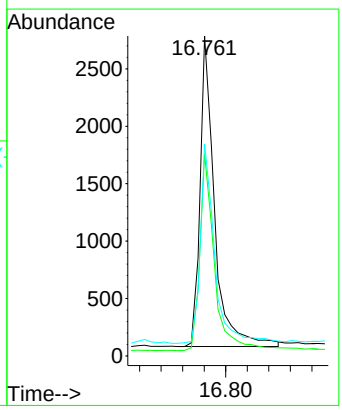


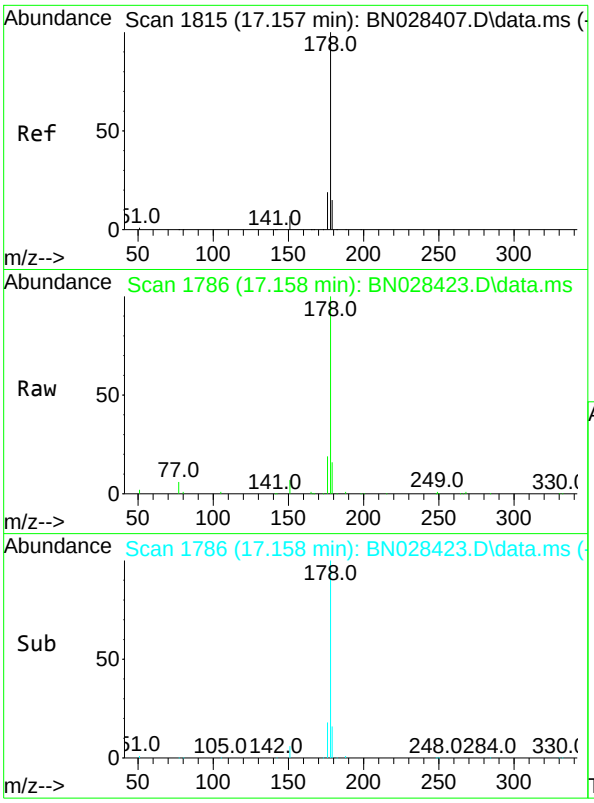


#24
Pentachlorophenol
Concen: 0.694 ng
RT: 16.761 min Scan# 1754
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:266 Resp: 5064

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.9	76.3
268	63.9	51.0	76.4



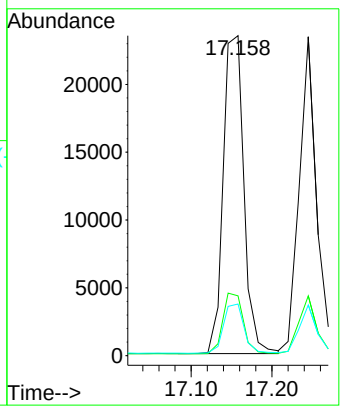


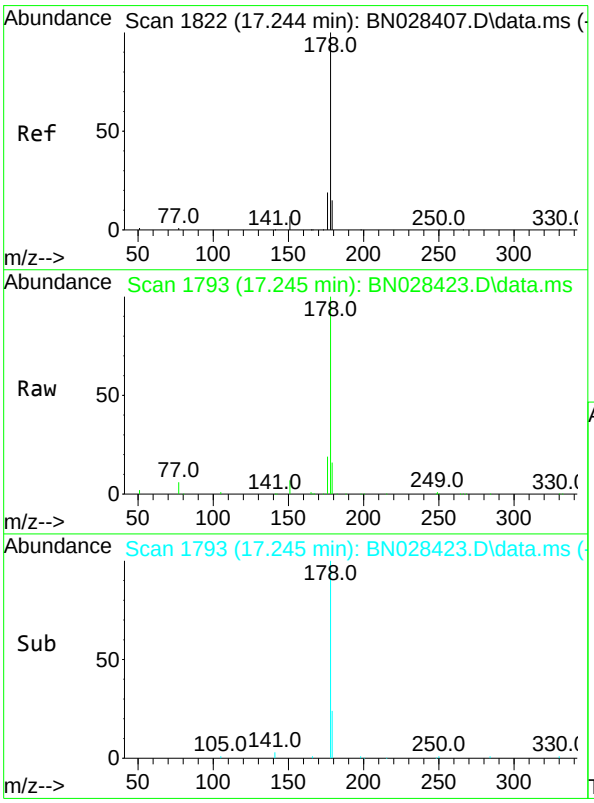
#25
Phenanthrene
Concen: 0.408 ng
RT: 17.158 min Scan# 1
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:178 Resp: 41706

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.5	12.2	18.2

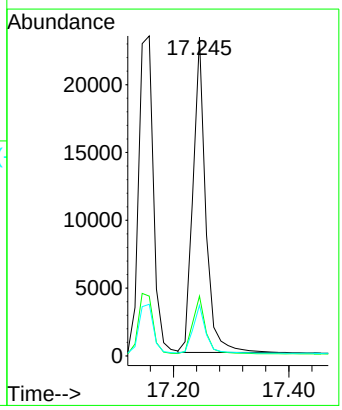


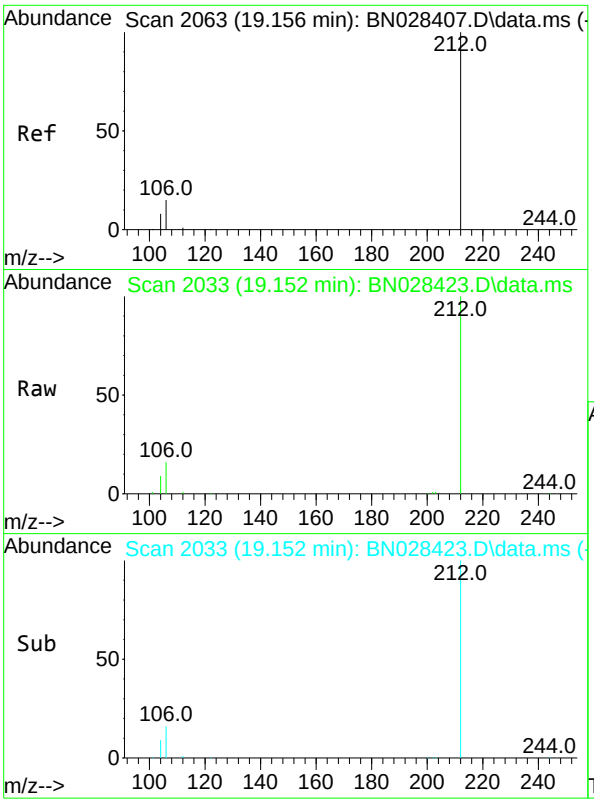


#26
Anthracene
Concen: 0.364 ng
RT: 17.245 min Scan# 1793
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:178 Resp: 35515

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.1	12.2	18.4



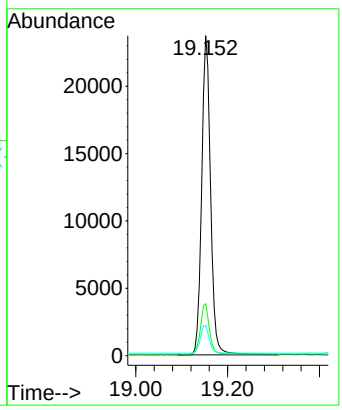


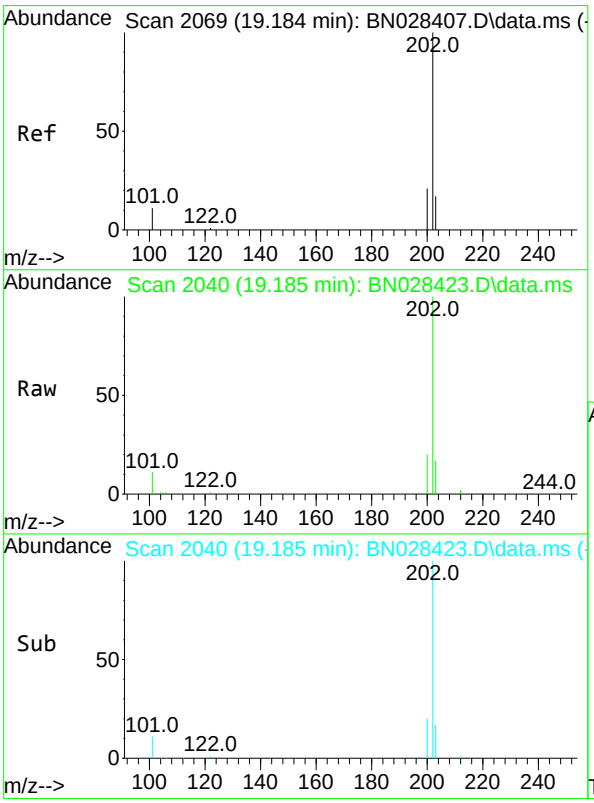
#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.152 min Scan# 2
Delta R.T. -0.004 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:212 Resp: 31908

Ion	Ratio	Lower	Upper
212	100		
106	15.7	11.9	17.9
104	8.8	6.7	10.1

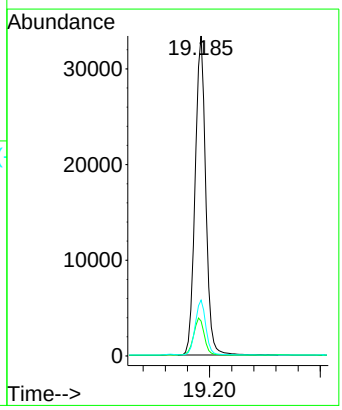


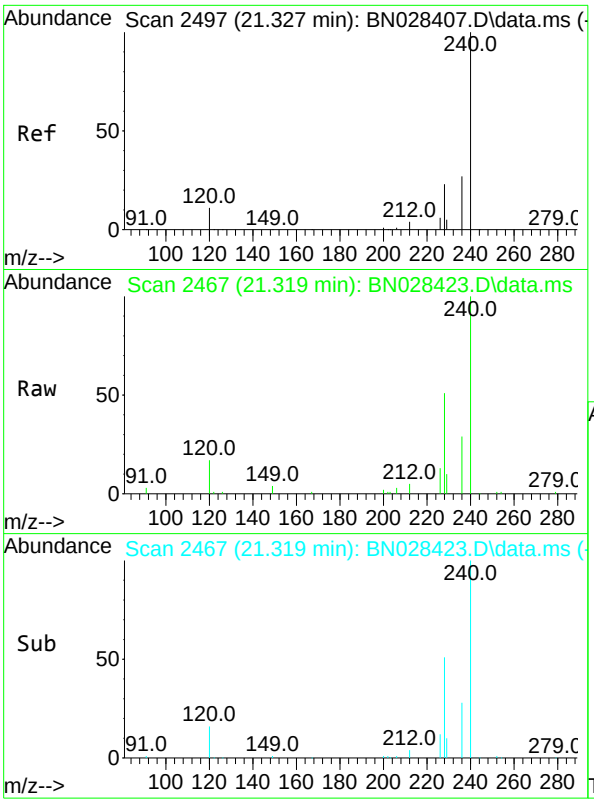


#28
Fluoranthene
Concen: 0.372 ng
RT: 19.185 min Scan# 2040
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:202 Resp: 44413

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.3	13.9
203	17.0	13.7	20.5



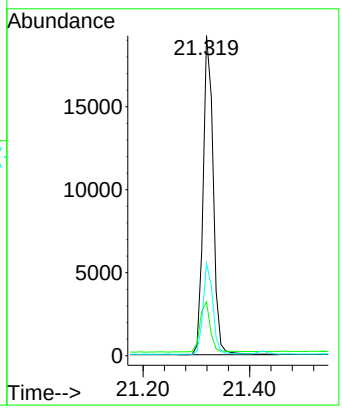


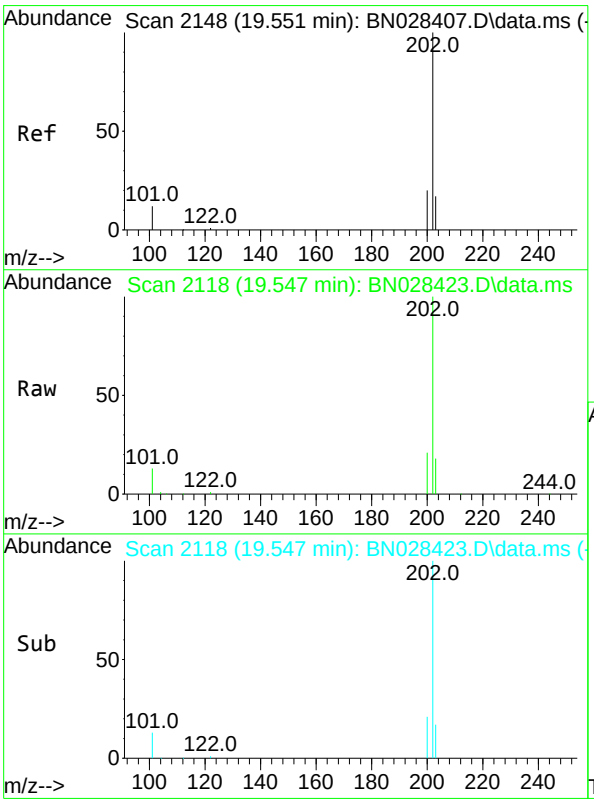
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.319 min Scan# 24
Delta R.T. -0.008 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:240 Resp: 25197

Ion	Ratio	Lower	Upper
240	100		
120	16.8	9.8	14.6#
236	28.8	22.2	33.2

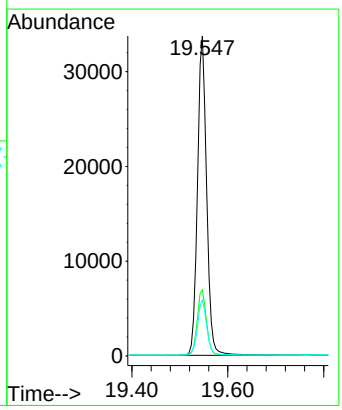


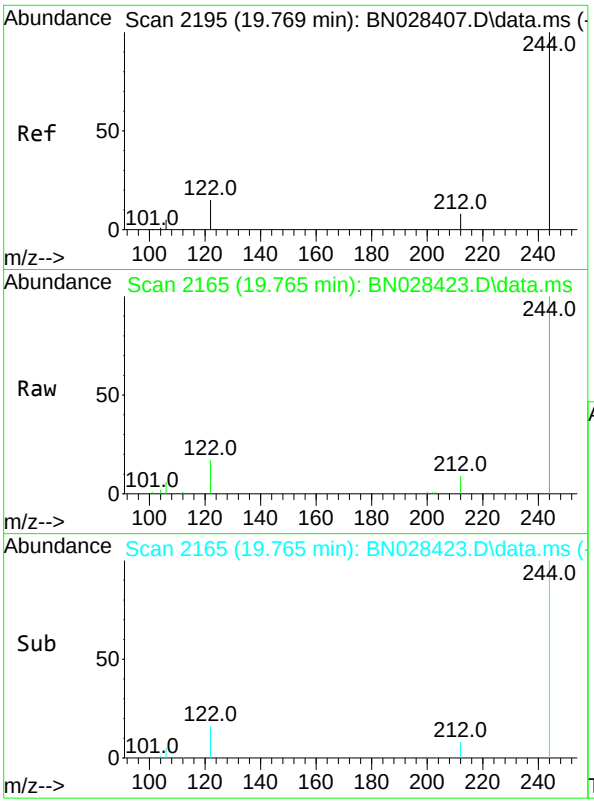


#30
Pyrene
Concen: 0.427 ng
RT: 19.547 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:202 Resp: 44838

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.5	14.2	21.2



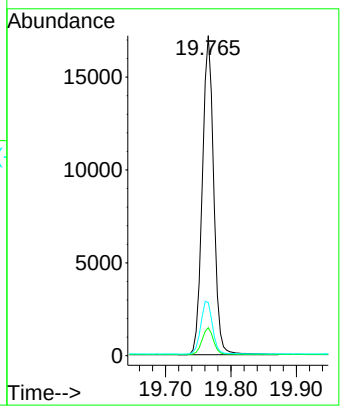


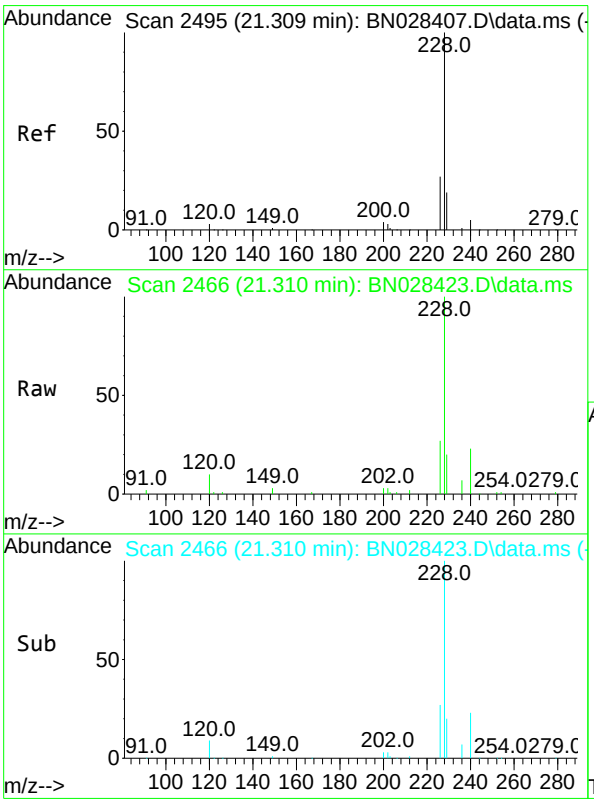
#31
Terphenyl-d14
Concen: 0.392 ng
RT: 19.765 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:244 Resp: 20776

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.6	10.0
122	16.6	12.6	19.0

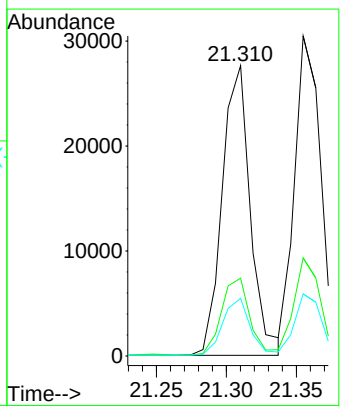


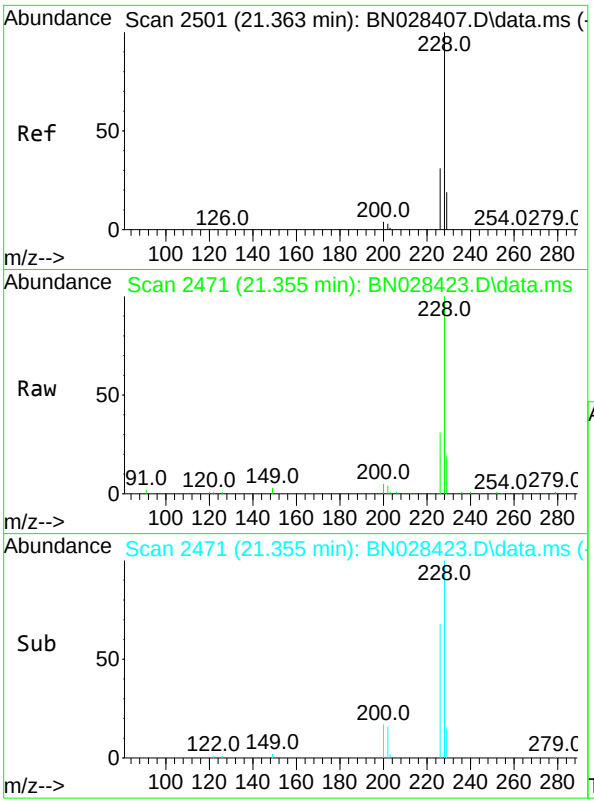


#32
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.310 min Scan# 2466
Delta R.T. 0.001 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:228 Resp: 38642

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	19.8	15.5	23.3



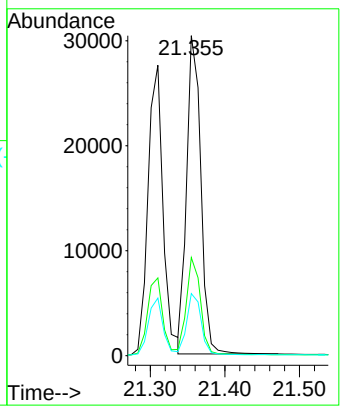


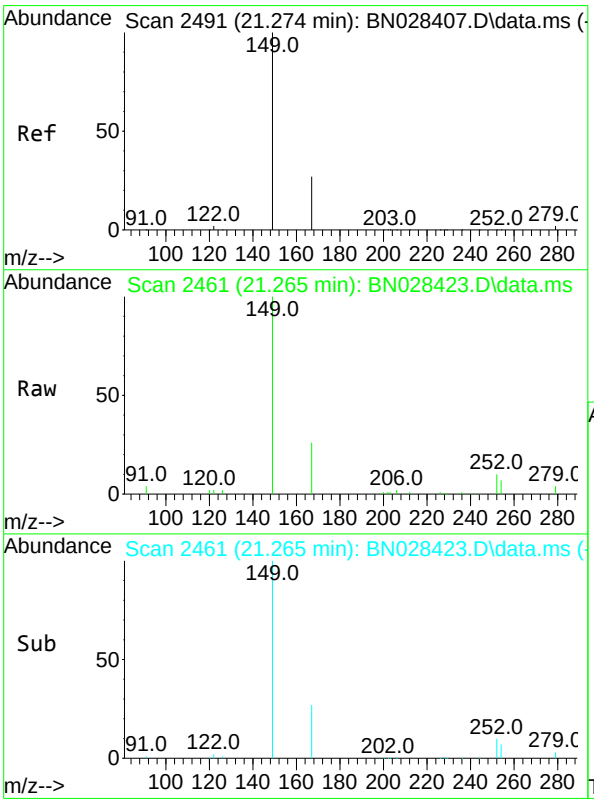
#33
Chrysene
Concen: 0.403 ng
RT: 21.355 min Scan# 24
Delta R.T. -0.008 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:228 Resp: 40093

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	19.4	15.7	23.5

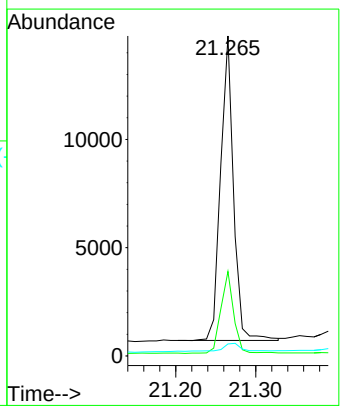


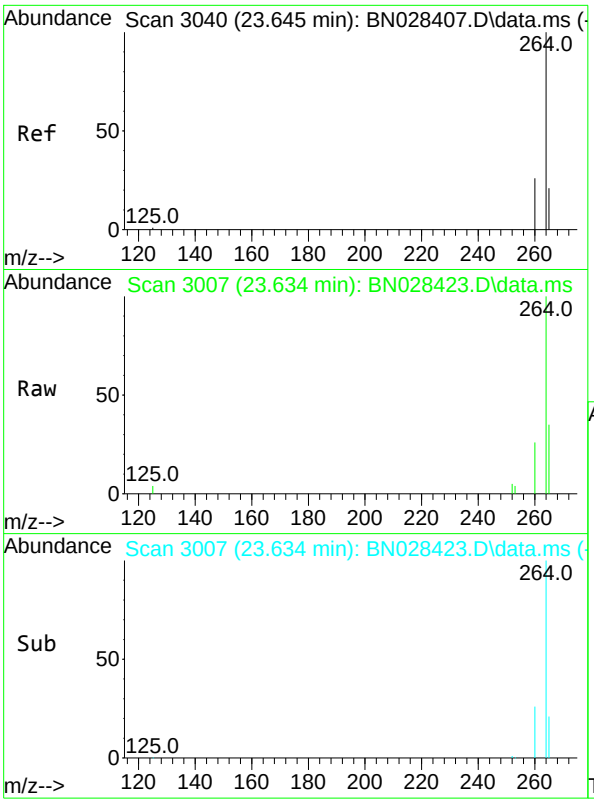


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.307 ng
RT: 21.265 min Scan# 2461
Delta R.T. -0.009 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:149 Resp: 15847

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.0
279	4.4	2.3	3.5#



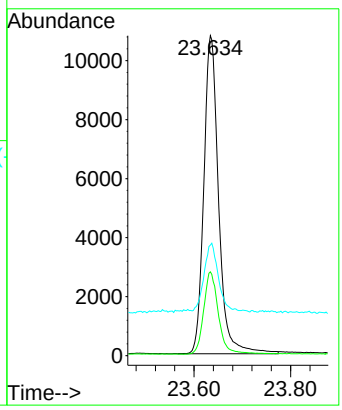


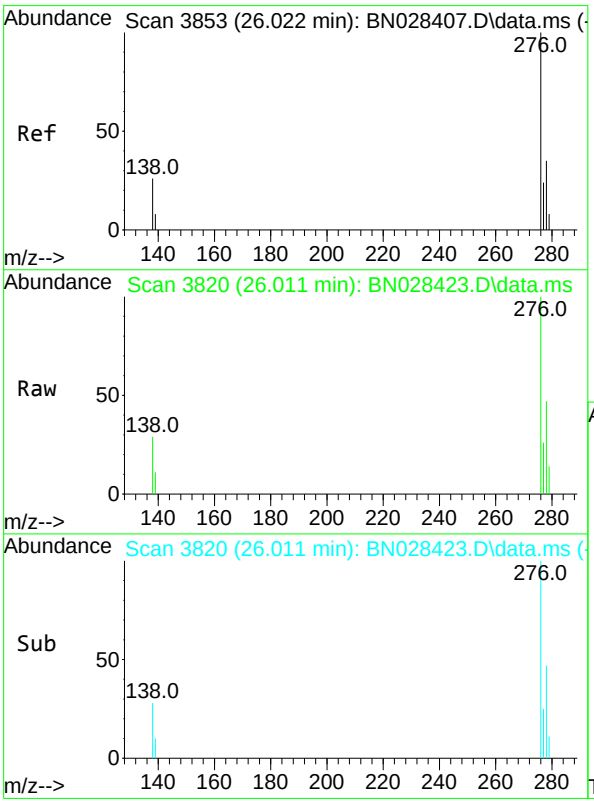
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.634 min Scan# 3
Delta R.T. -0.011 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:264 Resp: 22913

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.8	31.2
265	34.6	21.7	32.5#

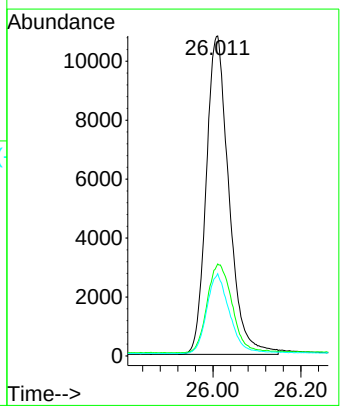


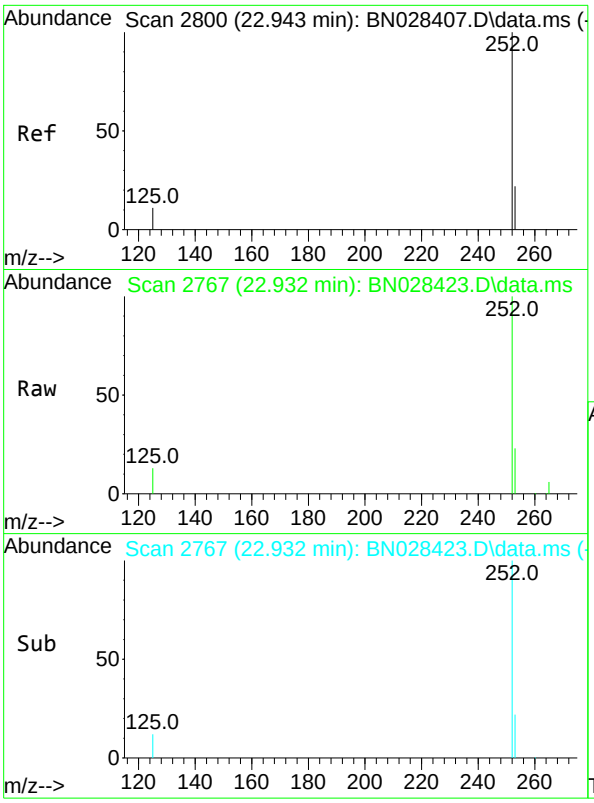


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.477 ng
RT: 26.011 min Scan# 3820
Delta R.T. -0.011 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:276 Resp: 38809

Ion	Ratio	Lower	Upper
276	100		
138	30.5	24.1	36.1
277	24.8	19.7	29.5



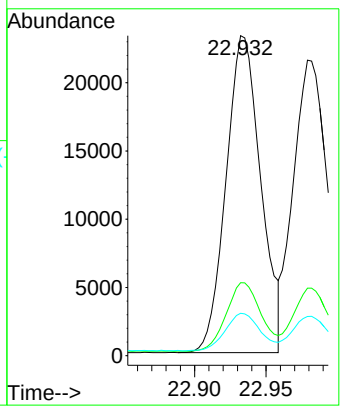


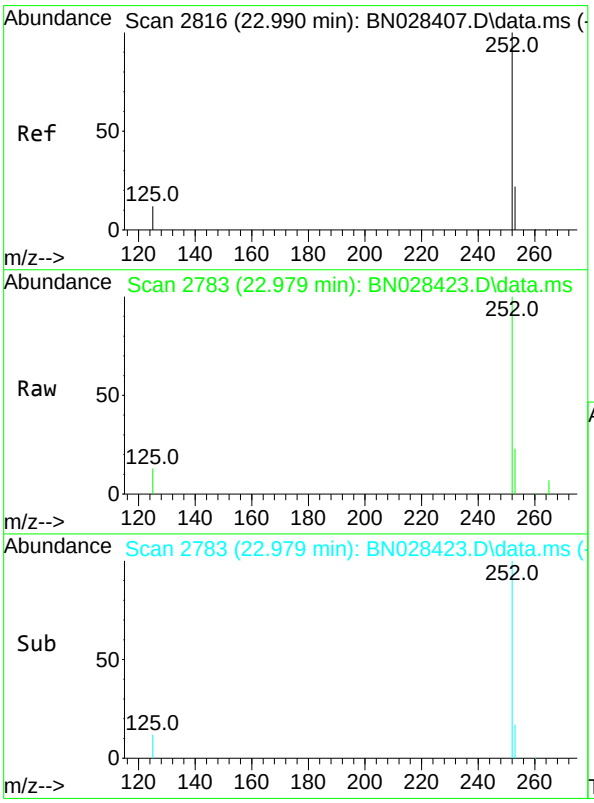
#37
Benzo(b)fluoranthene
Concen: 0.507 ng
RT: 22.932 min Scan# 2
Delta R.T. -0.011 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:252 Resp: 39301

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	13.2	10.0	15.0

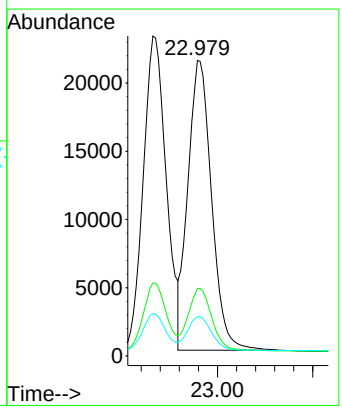


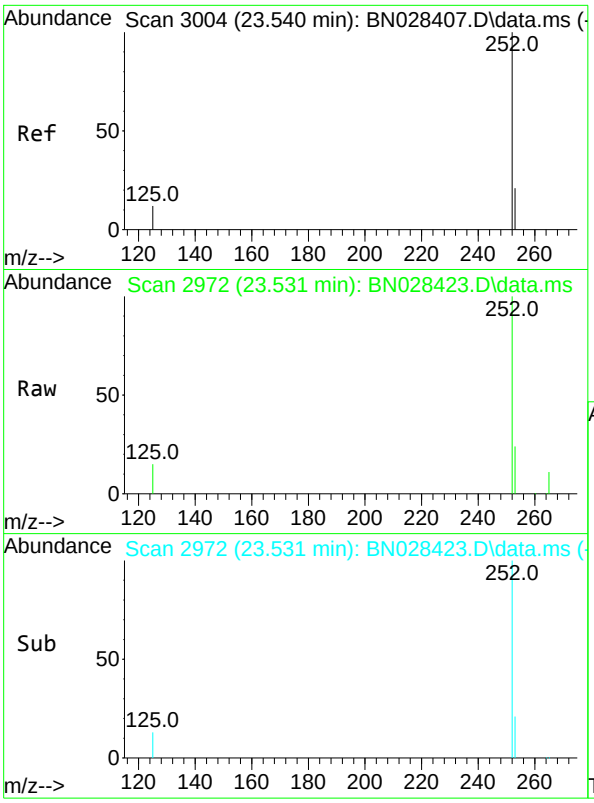


#38
Benzo(k)fluoranthene
Concen: 0.409 ng
RT: 22.979 min Scan# 2783
Delta R.T. -0.011 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:252 Resp: 36657

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.3	10.2	15.2



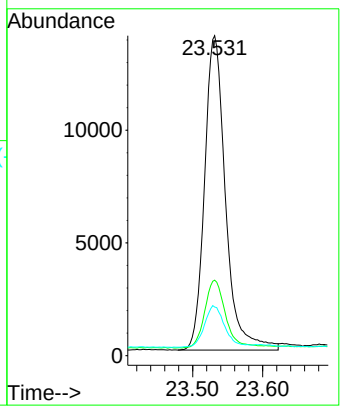


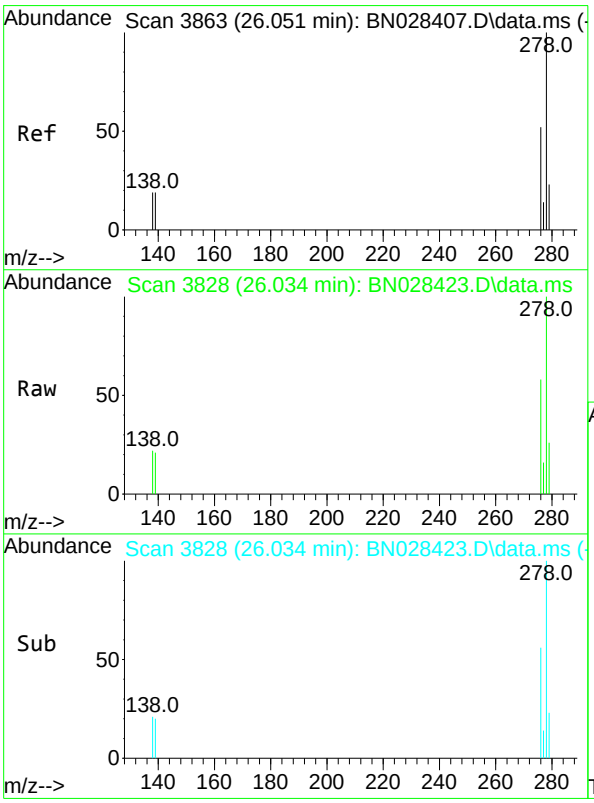
#39
Benzo(a)pyrene
Concen: 0.372 ng
RT: 23.531 min Scan# 2
Delta R.T. -0.008 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:252 Resp: 29049

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	15.2	11.0	16.6

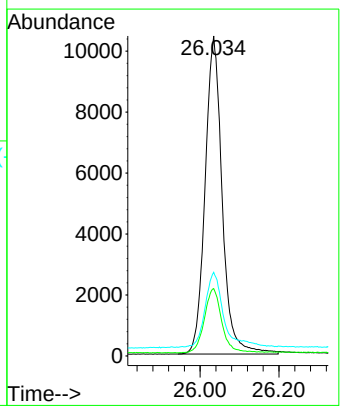


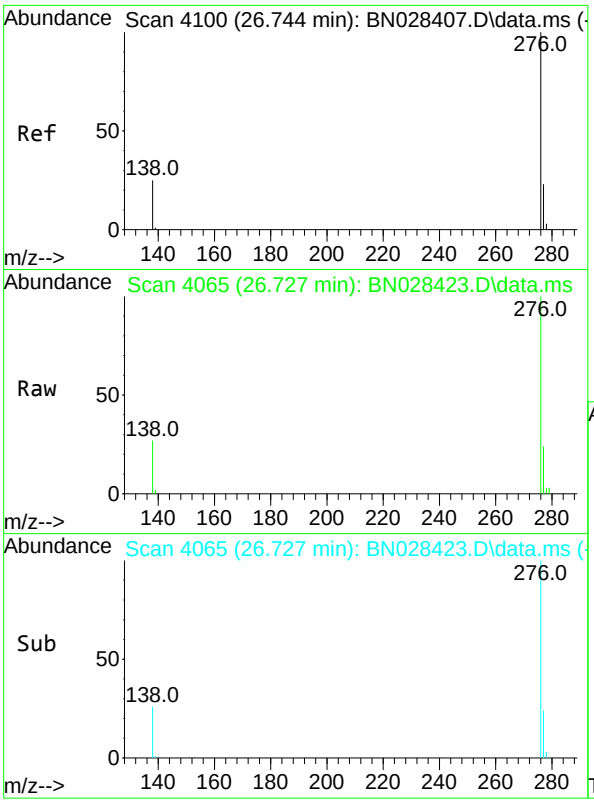


#40
Dibenzo(a,h)anthracene
Concen: 0.429 ng
RT: 26.034 min Scan# 3828
Delta R.T. -0.017 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Tgt Ion:278 Resp: 31461

Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.8	23.8
279	26.2	19.7	29.5





#41
Benzo(g,h,i)perylene
Concen: 0.431 ng
RT: 26.727 min Scan# 4
Delta R.T. -0.017 min
Lab File: BN028423.D
Acq: 02 Nov 2023 16:12

Instrument :
BNA_N
ClientSampleId :
PB156828BS

Tgt Ion:276 Resp: 33844

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	27.4	21.1	31.7