Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
Data File : BN027310.D
Acq On : 31 Aug 2023 15:07
Operator : MA/JU
Sample : PB155217BS
Misc :
ALS Vial : 90 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Quant Time: Aug 31 18:12:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.066	152	5740	0.400	ng		0.00
7) Naphthalene-d8	10.885	136	16819	0.400	ng		-0.01
13) Acenaphthene-d10	14.694	164	10451	0.400	ng		0.00
19) Phenanthrene-d10	17.443	188	24401	0.400	ng	#	0.00
29) Chrysene-d12	21.614	240	18525	0.400	ng		0.00
35) Perylene-d12	24.145	264	16480	0.400	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.582	112	5802	0.388	ng		0.00
5) Phenol-d6	7.199	99	7041	0.387	ng		0.00
8) Nitrobenzene-d5	9.251	82	4706	0.384	ng		-0.01
11) 2-Methylnaphthalene-d10	12.461	152	9855	0.399	ng		-0.01
14) 2,4,6-Tribromophenol	16.177	330	1438	0.372	ng		-0.01
15) 2-Fluorobiphenyl	13.315	172	15756	0.396	ng		-0.01
27) Fluoranthene-d10	19.463	212	22959	0.379	ng		0.00
31) Terphenyl-d14	20.048	244	15588	0.419	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.458	88	2666	0.380	ng		91
3) n-Nitrosodimethylamine	3.798	42	3047	0.410	ng		99
6) bis(2-Chloroethyl)ether	7.488	93	7038	0.400	ng		98
9) Naphthalene	10.938	128	18246	0.398	ng		100
10) Hexachlorobutadiene	11.173	225	3342	0.391	ng	#	99
12) 2-Methylnaphthalene	12.536	142	13015	0.399	ng		98
16) Acenaphthylene	14.416	152	18190	0.382	ng		99
17) Acenaphthene	14.758	154	12680	0.400	ng		98
18) Fluorene	15.730	166	17157	0.405	ng		99
20) 4,6-Dinitro-2-methylph...	16.884	198	150	0.432	ng	#	63
21) 4-Bromophenyl-phenylether	16.624	248	5110	0.397	ng	#	93
22) Hexachlorobenzene	16.711	284	6194	0.406	ng		99
23) Atrazine	16.884	200	3651	0.379	ng		96
24) Pentachlorophenol	17.070	266	1893	0.322	ng		98
25) Phenanthrene	17.480	178	28852	0.402	ng		99
26) Anthracene	17.567	178	23355	0.383	ng		100
28) Fluoranthene	19.491	202	32435	0.384	ng		100
30) Pyrene	19.858	202	32372	0.440	ng		100
32) Benzo(a)anthracene	21.596	228	25185	0.397	ng		100
33) Chrysene	21.650	228	28346	0.406	ng		99
34) Bis(2-ethylhexyl)phtha...	21.471	149	14311	0.467	ng		97
36) Indeno(1,2,3-cd)pyrene	26.811	276	23415	0.350	ng		99
37) Benzo(b)fluoranthene	23.358	252	25857	0.405	ng		99
38) Benzo(k)fluoranthene	23.408	252	25420	0.388	ng		98
39) Benzo(a)pyrene	24.028	252	22552	0.378	ng		98
40) Dibenzo(a,h)anthracene	26.840	278	18386	0.351	ng		99
41) Benzo(g,h,i)perylene	27.644	276	21625	0.356	ng		99

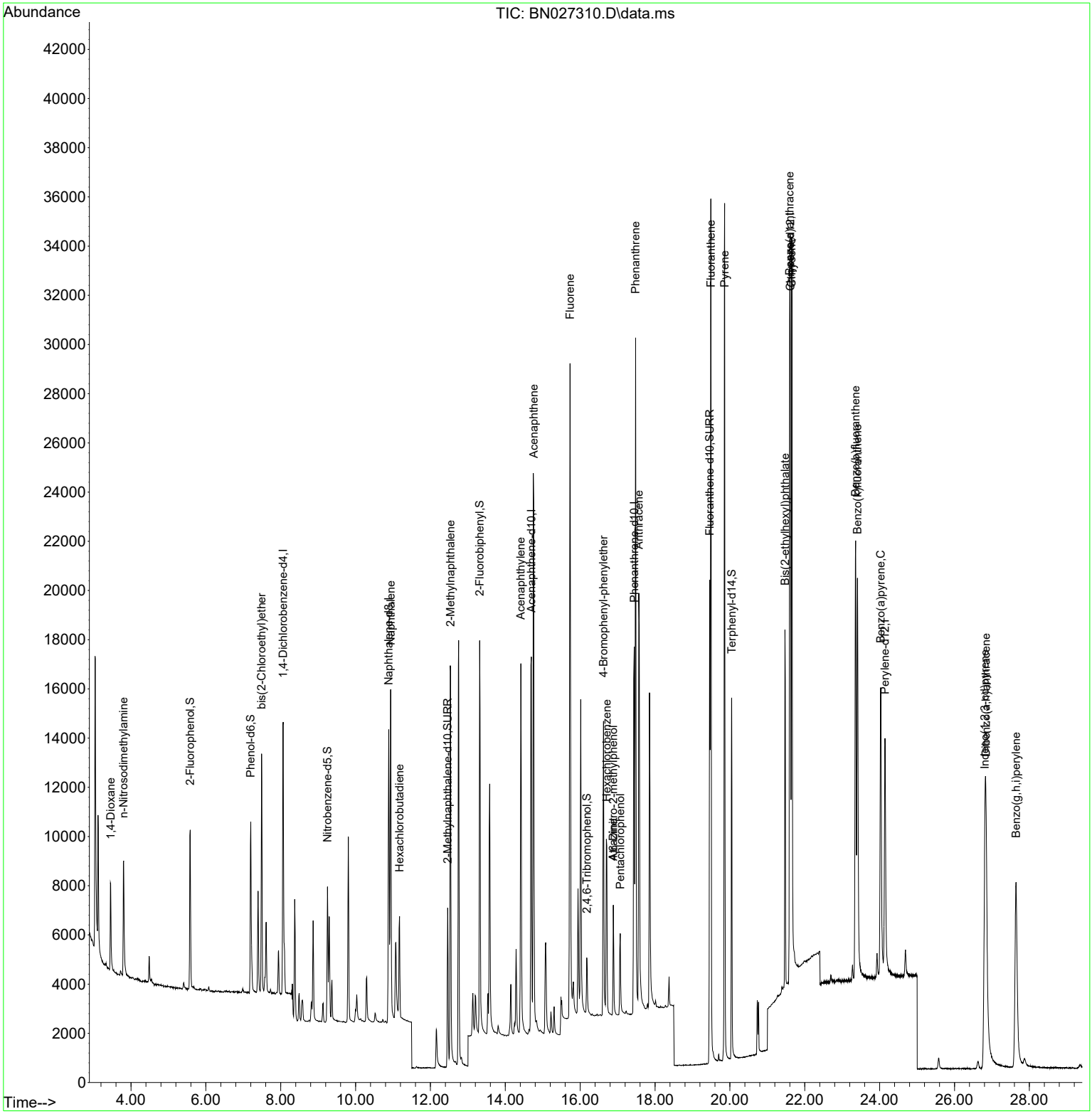
(#) = qualifier out of range (m) = manual integration (+) = signals summed

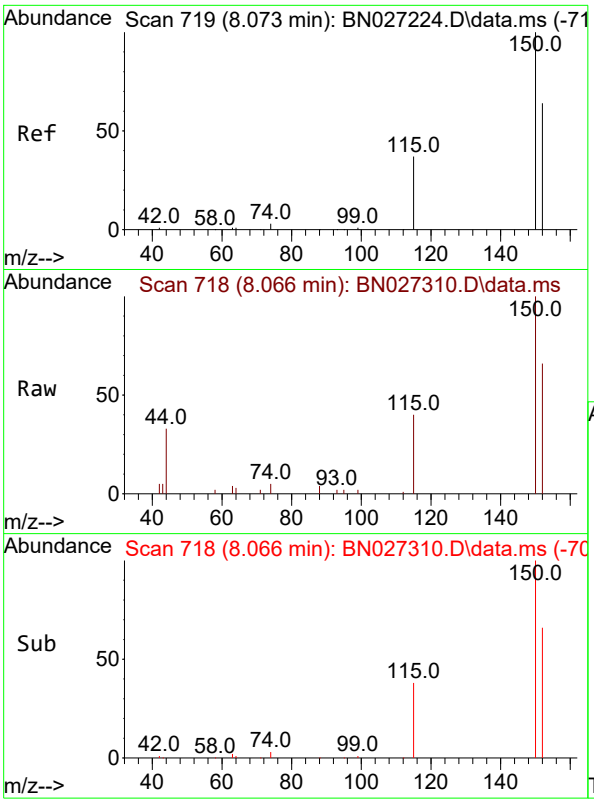
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
Data File : BN027310.D
Acq On : 31 Aug 2023 15:07
Operator : MA/JU
Sample : PB155217BS
Misc :
ALS Vial : 90 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Quant Time: Aug 31 18:12:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration



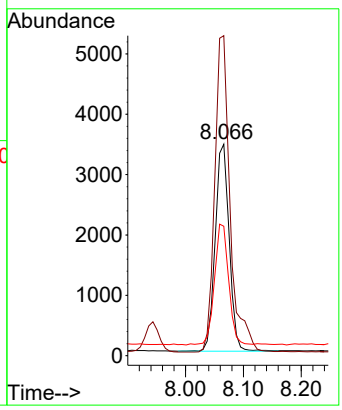


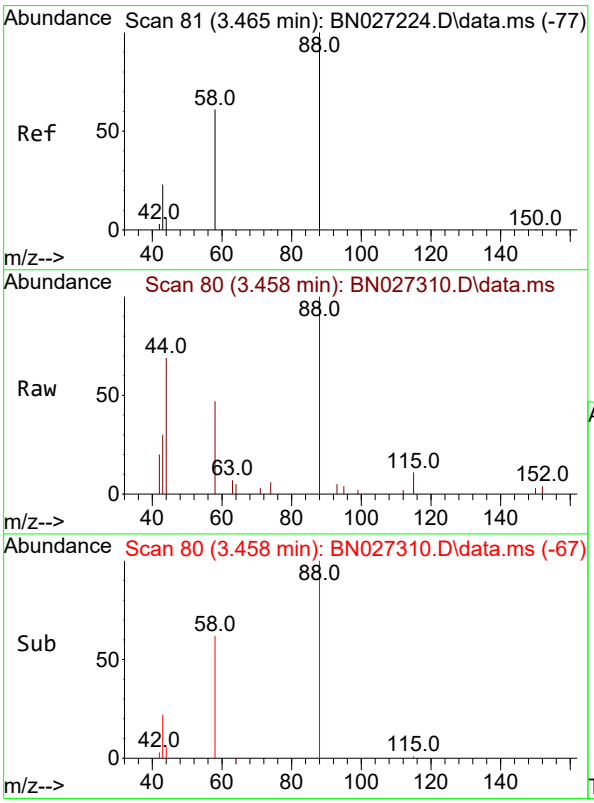
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.066 min Scan# 7
Delta R.T. -0.007 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:152 Resp: 5740

Ion	Ratio	Lower	Upper
152	100		
150	151.3	122.7	184.1
115	61.2	48.6	73.0

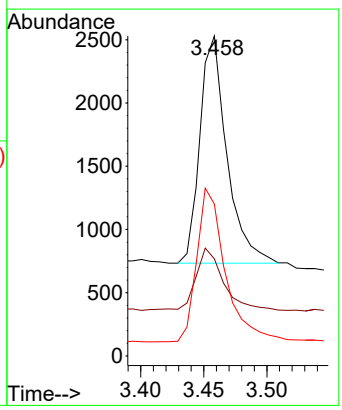


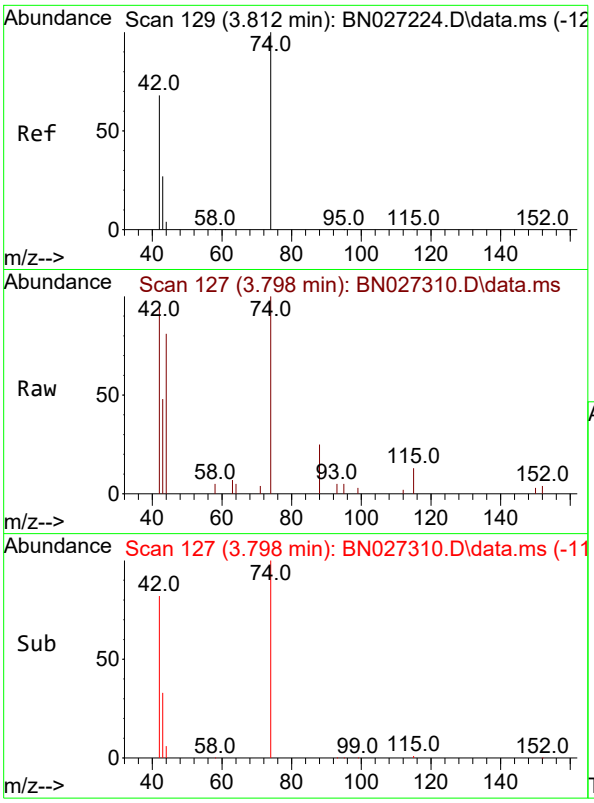


#2
1,4-Dioxane
Concen: 0.380 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion: 88 Resp: 2666

Ion	Ratio	Lower	Upper
88	100		
43	27.8	19.1	28.7
58	72.2	52.2	78.2



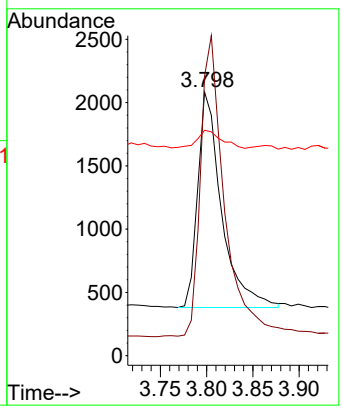


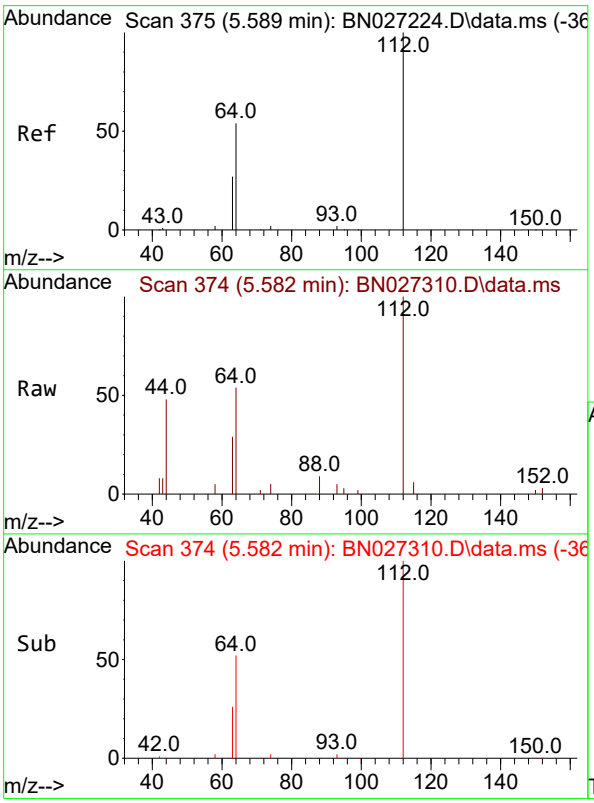
#3
n-Nitrosodimethylamine
Concen: 0.410 ng
RT: 3.798 min Scan# 1
Delta R.T. -0.014 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion: 42 Resp: 3047

Ion	Ratio	Lower	Upper
42	100		
74	140.5	113.8	170.8
44	8.7	7.3	10.9

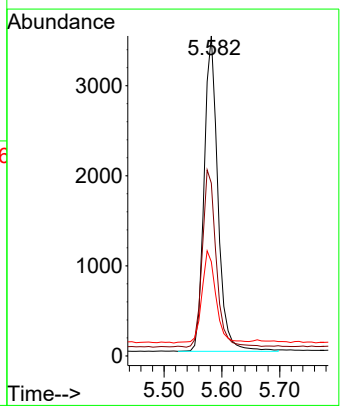


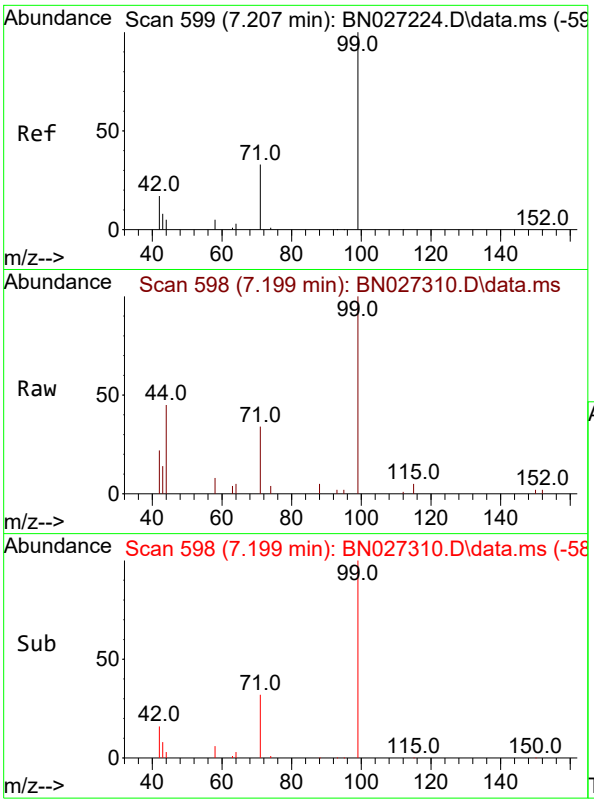


#4
2-Fluorophenol
Concen: 0.388 ng
RT: 5.582 min Scan# 374
Delta R.T. -0.007 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:112 Resp: 5802

Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.4	66.6
63	29.9	23.1	34.7



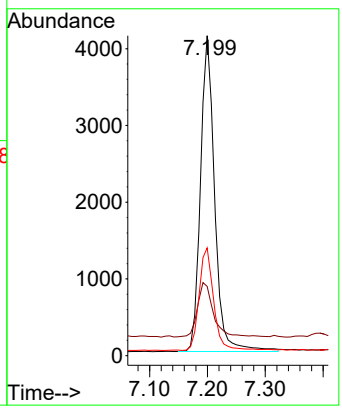


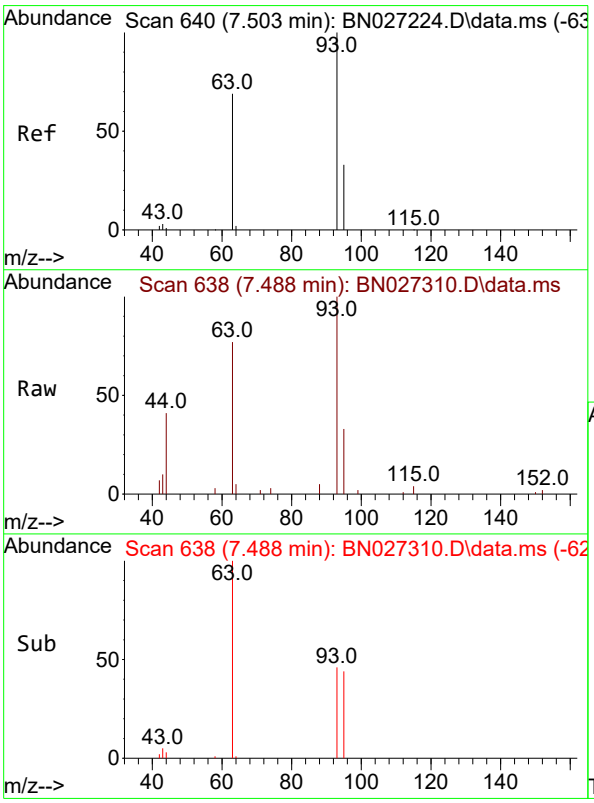
#5
Phenol-d6
Concen: 0.387 ng
RT: 7.199 min Scan# 5
Delta R.T. -0.007 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion: 99 Resp: 7041

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.5	21.7
71	33.2	25.8	38.6

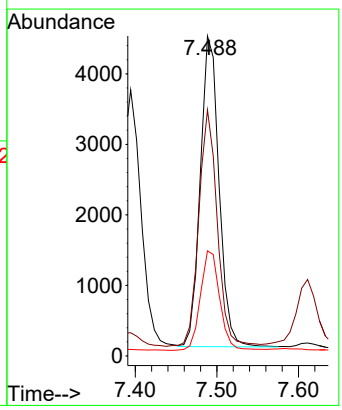


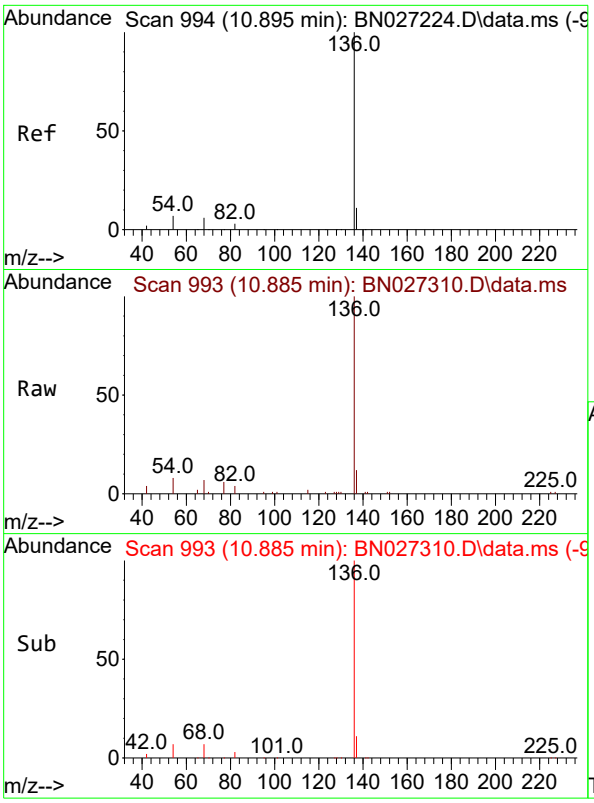


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 7.488 min Scan# 638
Delta R.T. -0.014 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion: 93 Resp: 7038

Ion	Ratio	Lower	Upper
93	100		
63	75.2	58.5	87.7
95	33.1	26.1	39.1



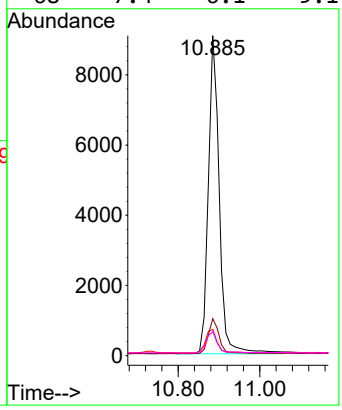


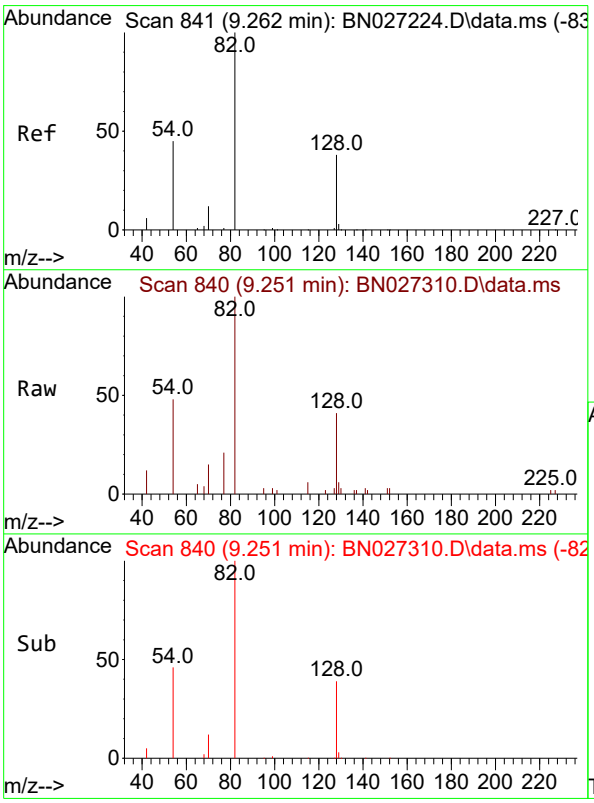
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.885 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:136 Resp: 16819

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	8.1	6.7	10.1
68	7.4	6.1	9.1

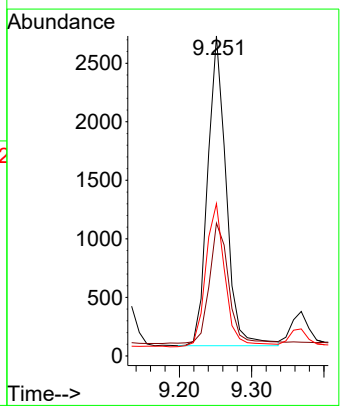


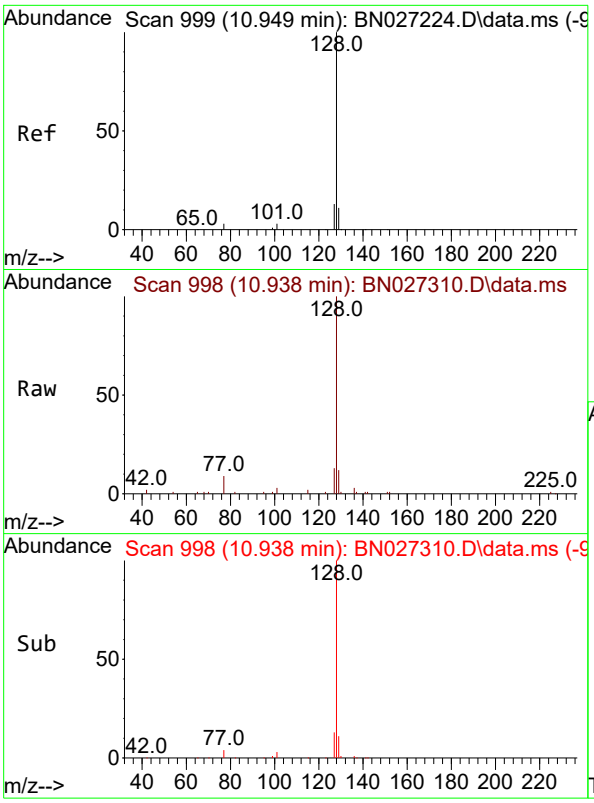


#8
Nitrobenzene-d5
Concen: 0.384 ng
RT: 9.251 min Scan# 840
Delta R.T. -0.011 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion: 82 Resp: 4706

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.4	50.0
54	47.6	37.7	56.5



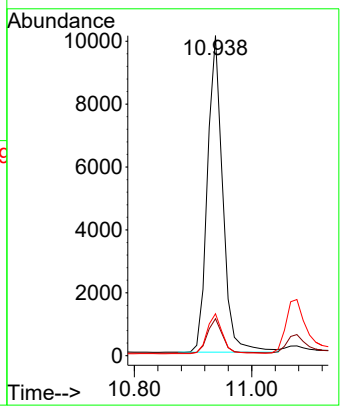


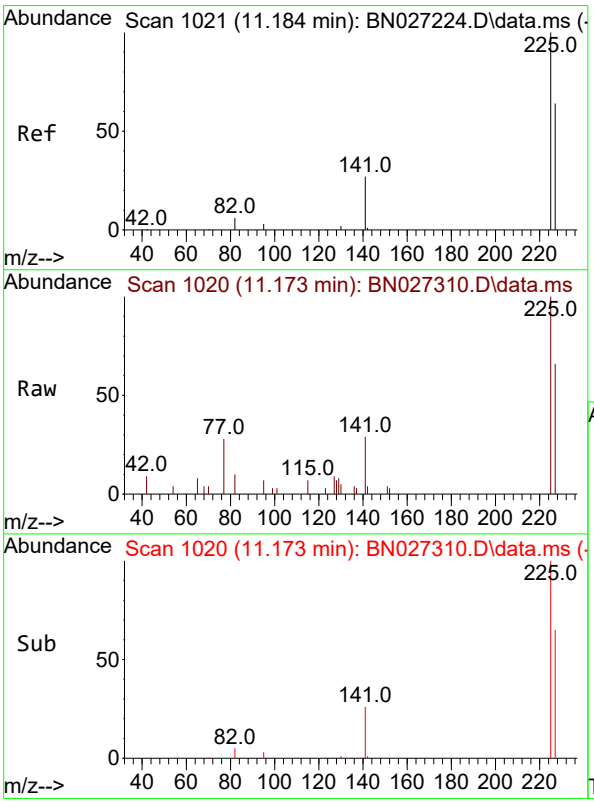
#9
Naphthalene
Concen: 0.398 ng
RT: 10.938 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:128 Resp: 18246

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.0
127	13.1	10.6	15.8

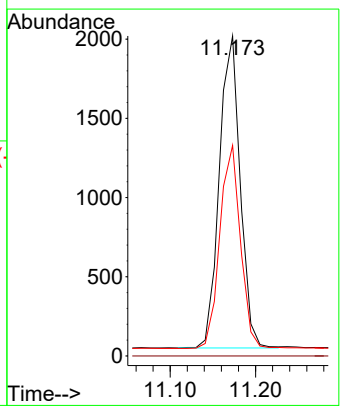


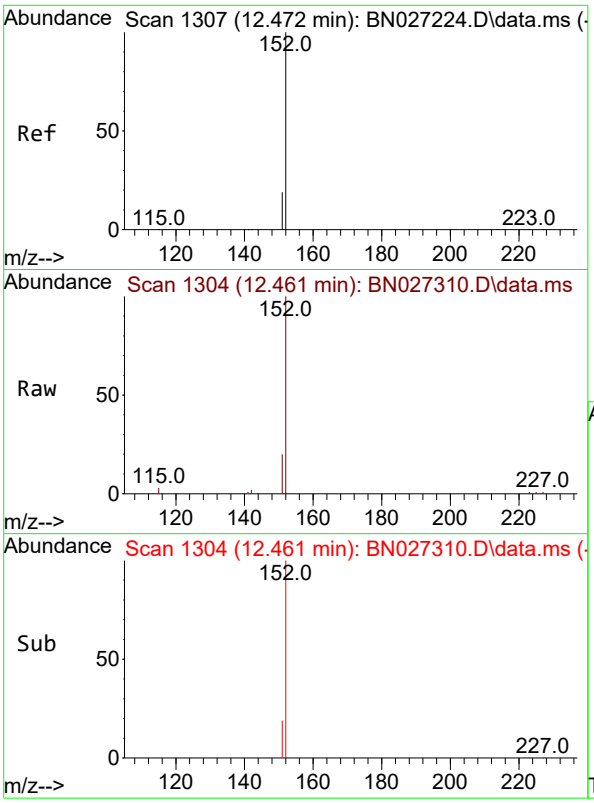


#10
Hexachlorobutadiene
Concen: 0.391 ng
RT: 11.173 min Scan# 1020
Delta R.T. -0.011 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:225 Resp: 3342

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.6	75.8



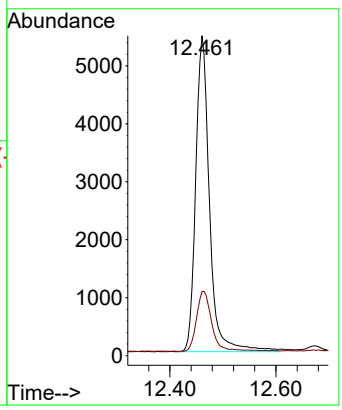


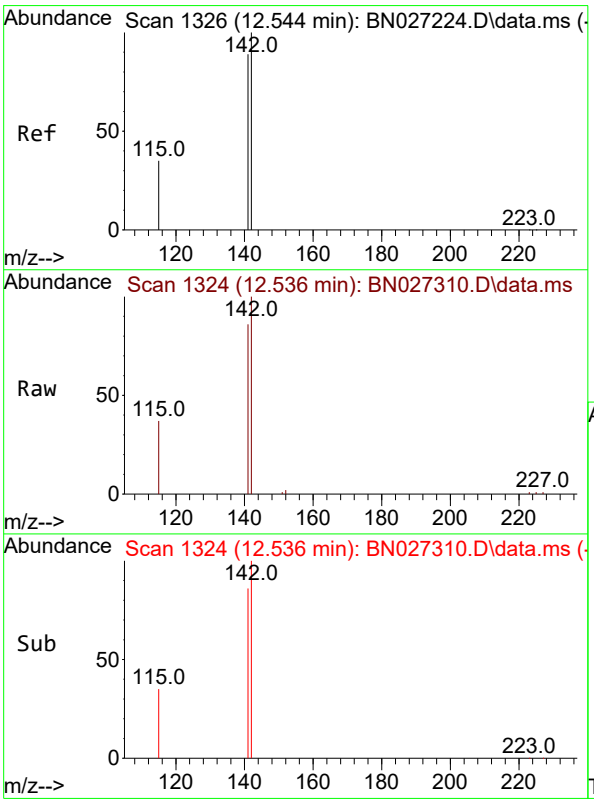
#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.461 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:152 Resp: 9855

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.6	25.0

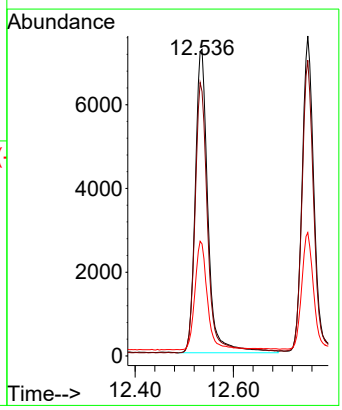


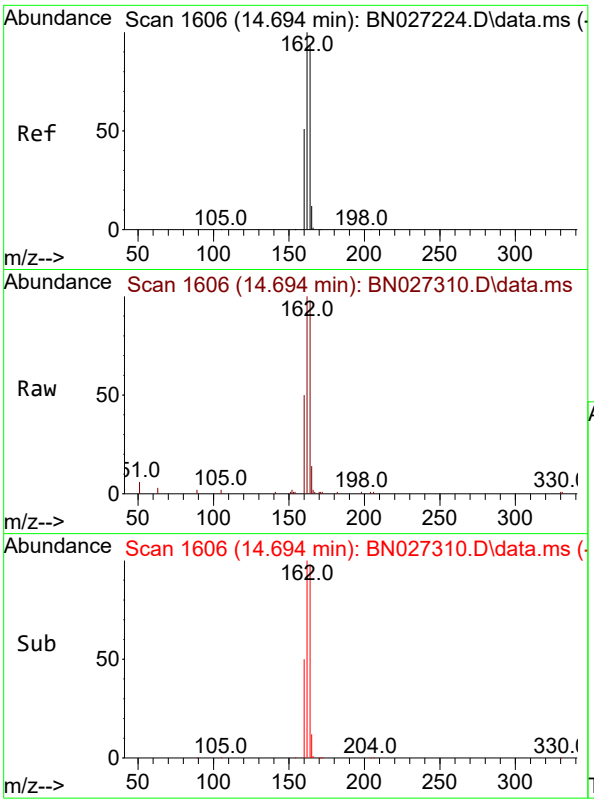


#12
2-Methylnaphthalene
Concen: 0.399 ng
RT: 12.536 min Scan# 1324
Delta R.T. -0.007 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:142 Resp: 13015

Ion	Ratio	Lower	Upper
142	100		
141	86.2	71.1	106.7
115	36.5	29.6	44.4



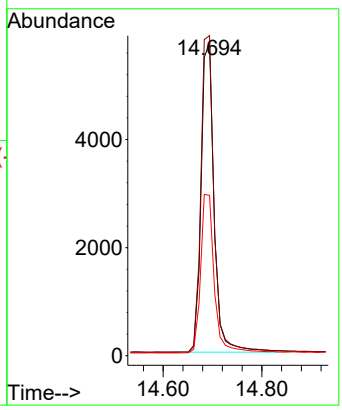


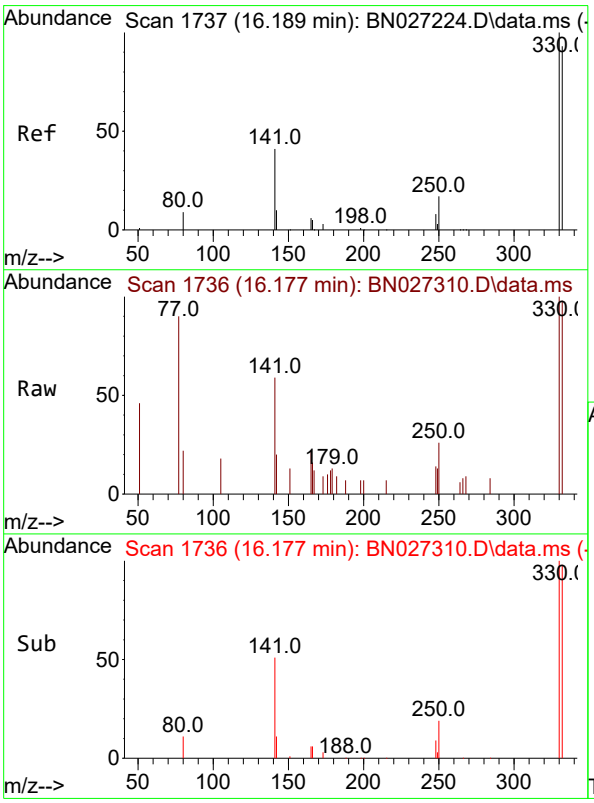
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:164 Resp: 10451

Ion	Ratio	Lower	Upper
164	100		
162	102.1	85.8	128.8
160	51.1	44.2	66.2

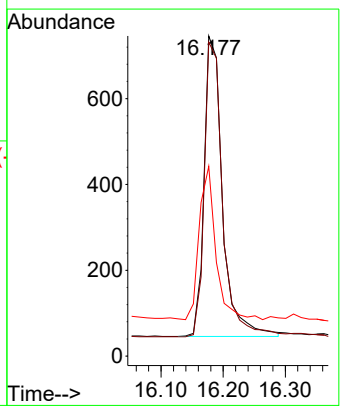


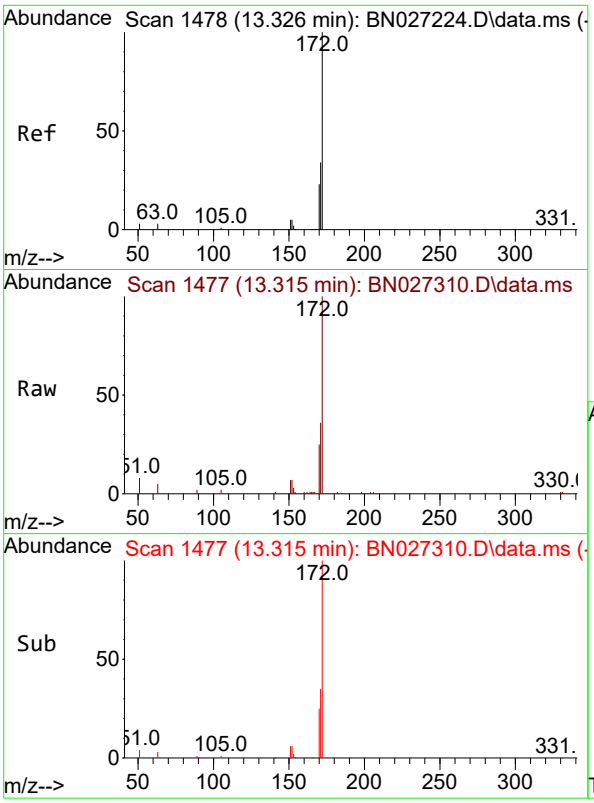


#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 16.177 min Scan# 1736
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:330 Resp: 1438

Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.2	112.8
141	46.0	36.2	54.4



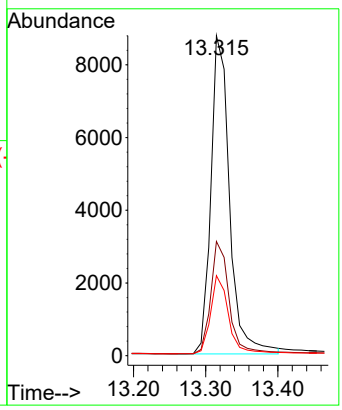


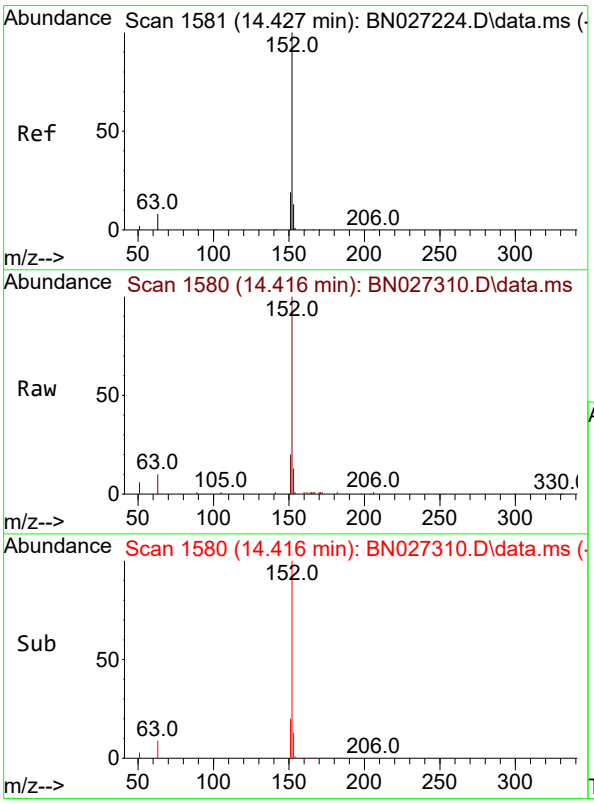
#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 13.315 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:172 Resp: 15756

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.8
170	25.0	19.3	28.9

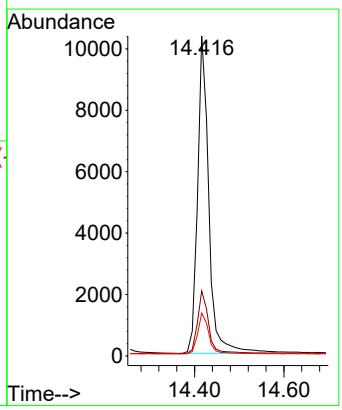


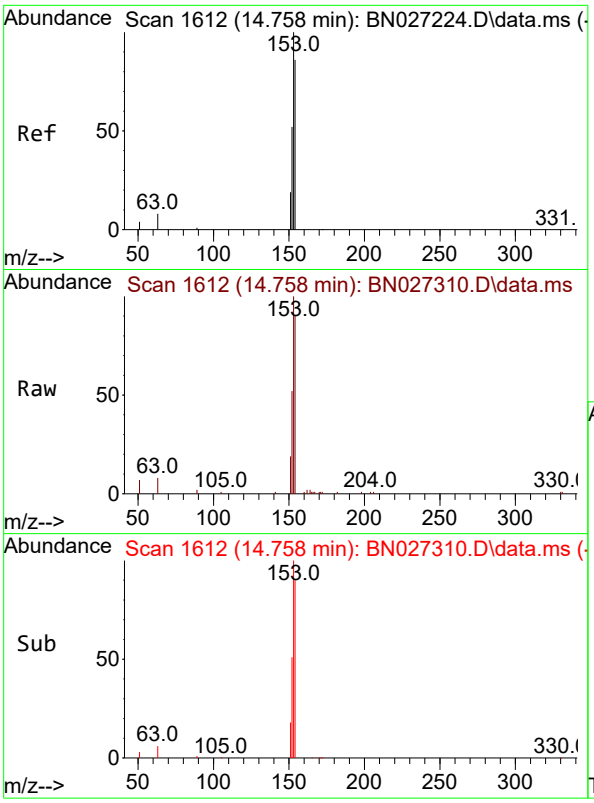


#16
Acenaphthylene
Concen: 0.382 ng
RT: 14.416 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:152 Resp: 18190

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	12.9	10.3	15.5



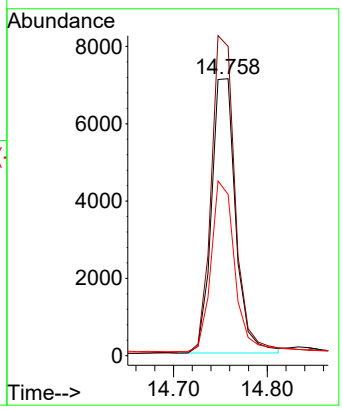


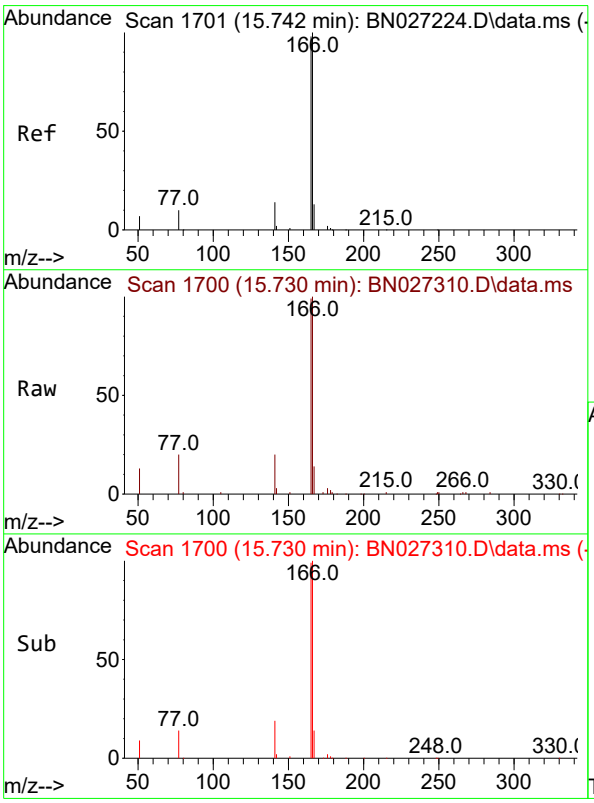
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.758 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:154 Resp: 12680

Ion	Ratio	Lower	Upper
154	100		
153	117.6	93.1	139.7
152	62.7	48.6	73.0

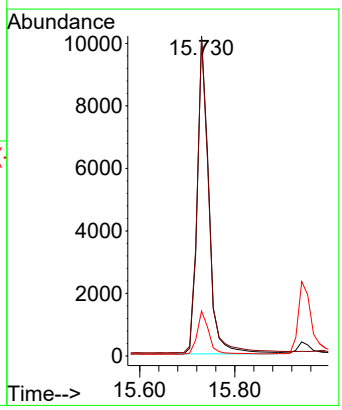


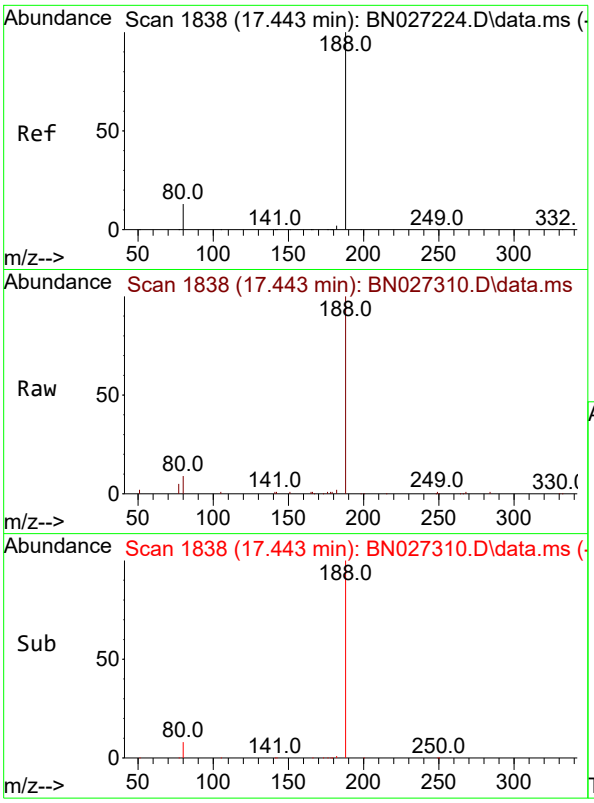


#18
Fluorene
Concen: 0.405 ng
RT: 15.730 min Scan# 1700
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:166 Resp: 17157

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.0	118.4
167	13.8	10.8	16.2



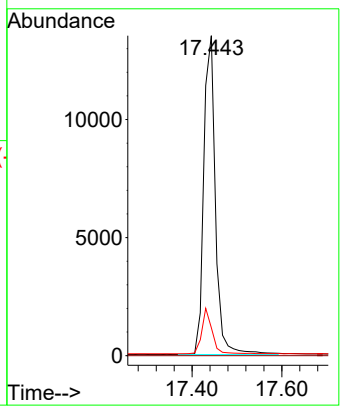


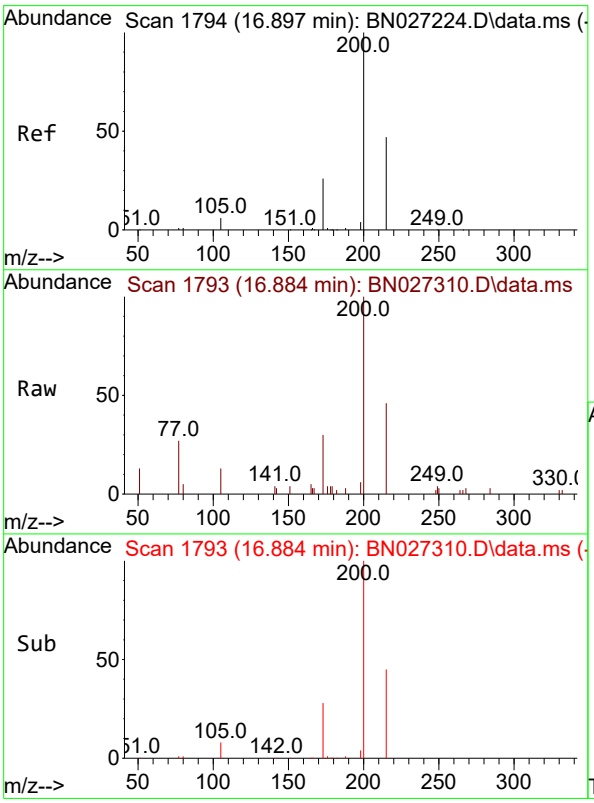
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.443 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:188 Resp: 24401

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	11.0	16.6#

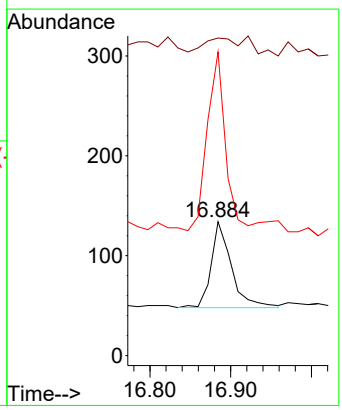


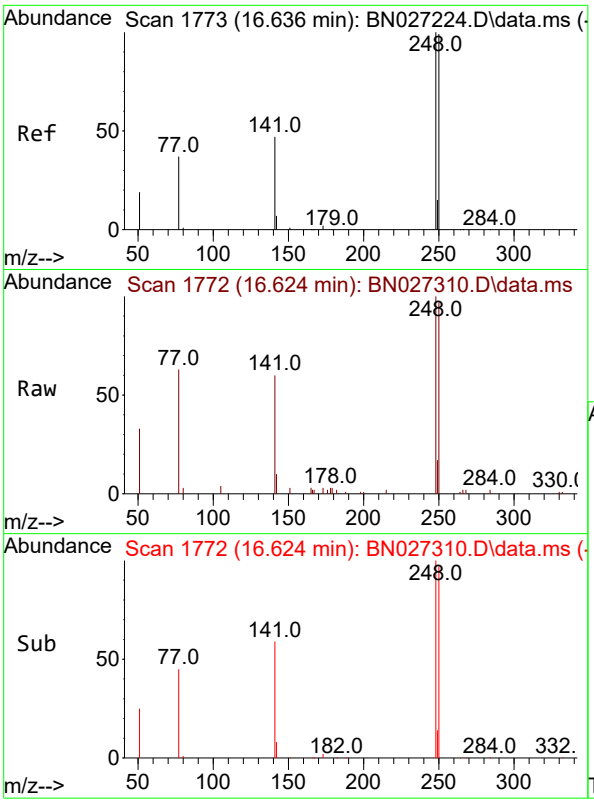


#20
4,6-Dinitro-2-methylphenol
Concen: 0.432 ng
RT: 16.884 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:198 Resp: 150

Ion	Ratio	Lower	Upper
198	100		
51	237.3	282.2	423.2#
105	226.9	168.7	253.1



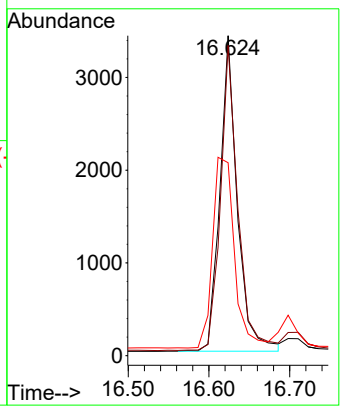


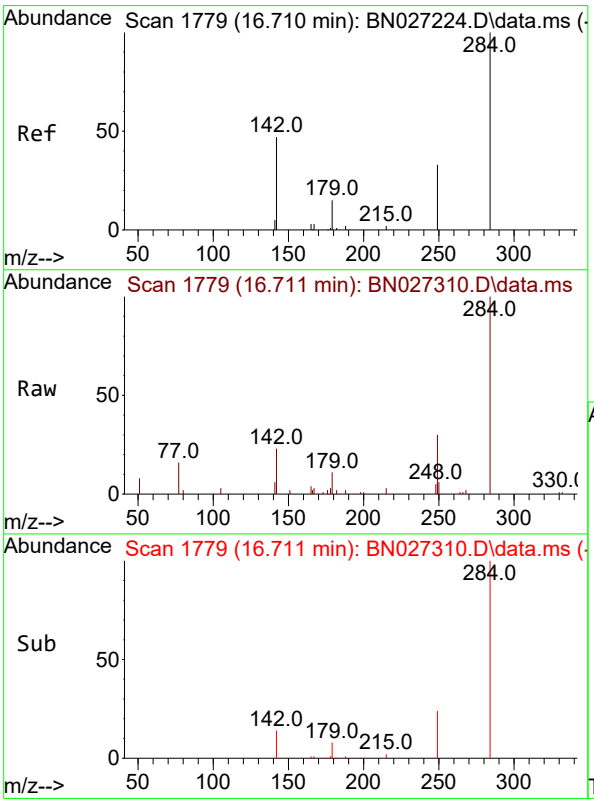
#21
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.624 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:248 Resp: 5110

Ion	Ratio	Lower	Upper
248	100		
250	96.9	79.7	119.5
141	60.3	39.8	59.8#

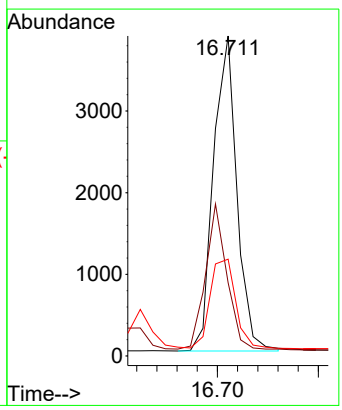


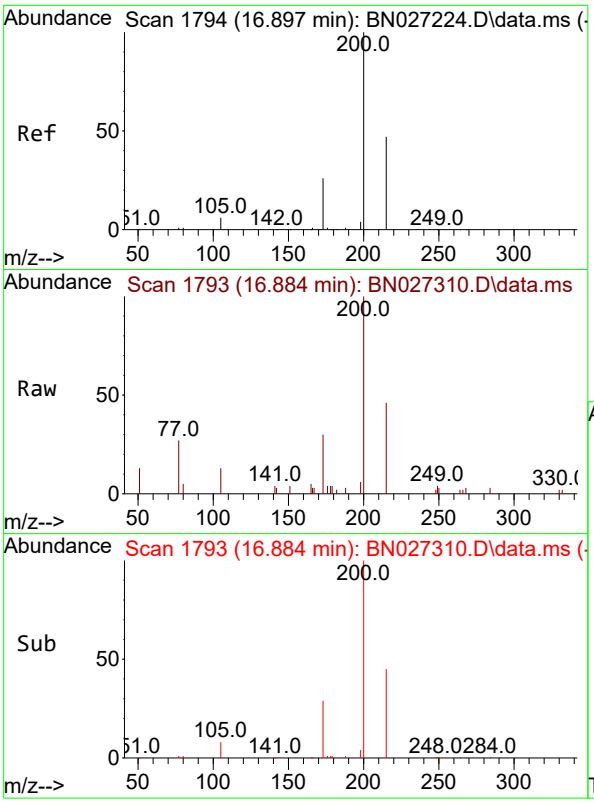


#22
Hexachlorobenzene
Concen: 0.406 ng
RT: 16.711 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:284 Resp: 6194

Ion	Ratio	Lower	Upper
284	100		
142	41.6	32.9	49.3
249	30.9	24.3	36.5



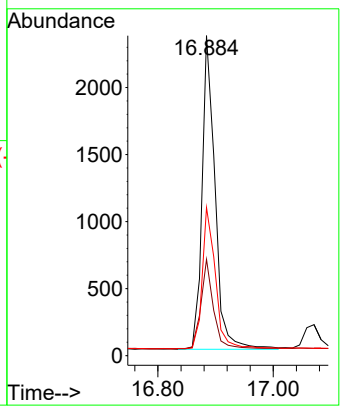


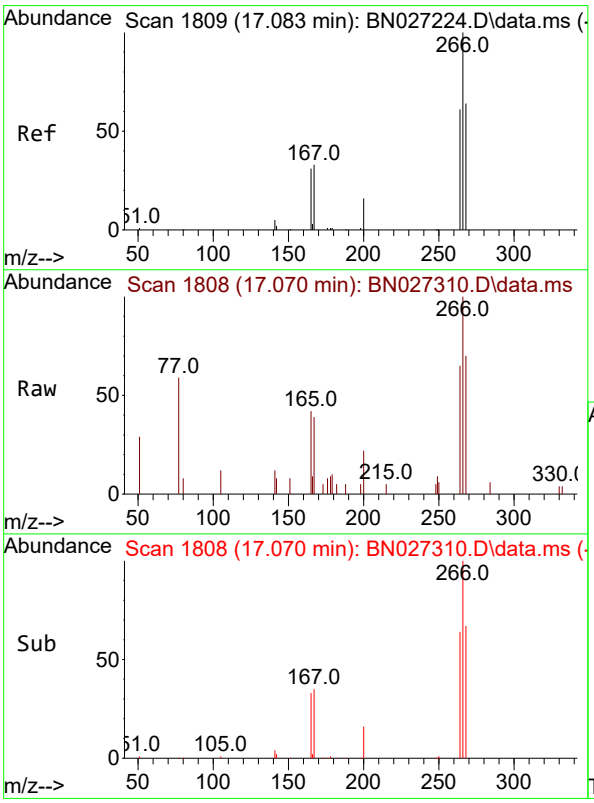
#23
Atrazine
Concen: 0.379 ng
RT: 16.884 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:200 Resp: 3651

Ion	Ratio	Lower	Upper
200	100		
173	30.1	22.5	33.7
215	46.3	39.0	58.6

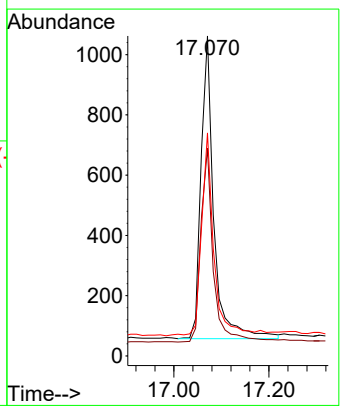


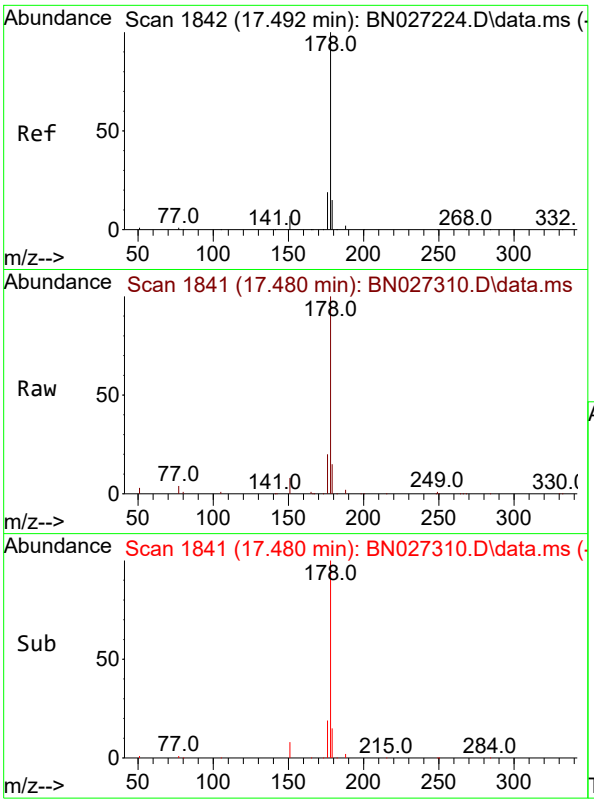


#24
Pentachlorophenol
Concen: 0.322 ng
RT: 17.070 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:266 Resp: 1893

Ion	Ratio	Lower	Upper
266	100		
264	62.4	50.3	75.5
268	61.8	52.0	78.0



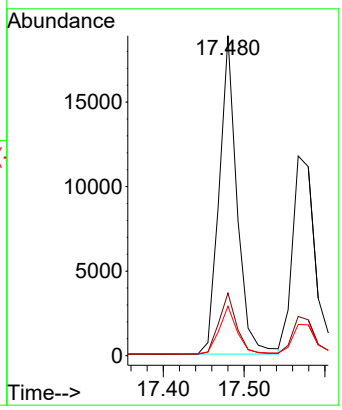


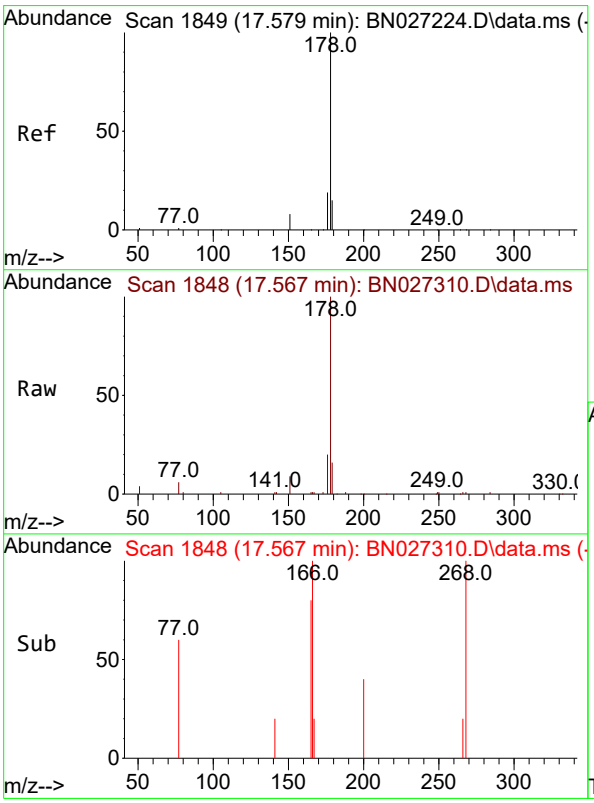
#25
Phenanthrene
Concen: 0.402 ng
RT: 17.480 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:178 Resp: 28852

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.1	12.3	18.5

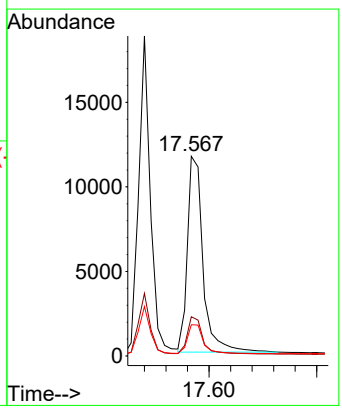


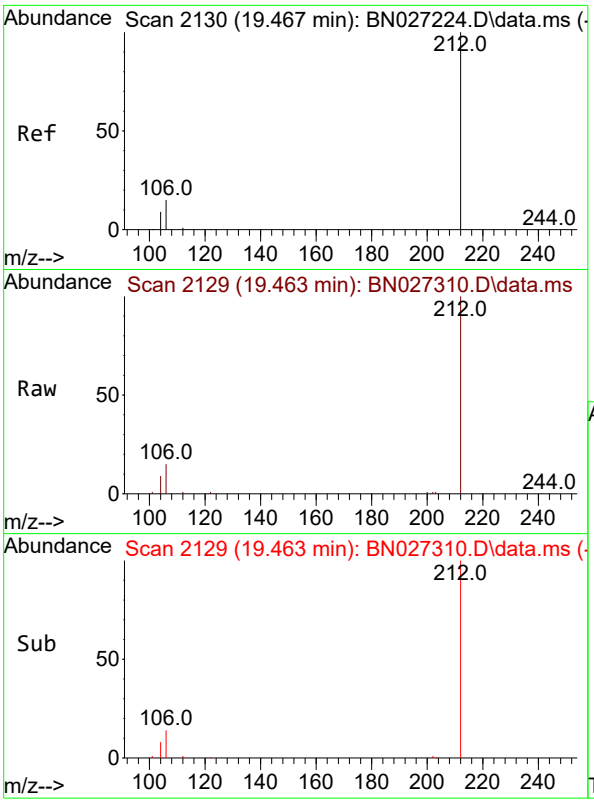


#26
Anthracene
Concen: 0.383 ng
RT: 17.567 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:178 Resp: 23355

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.0	12.0	18.0



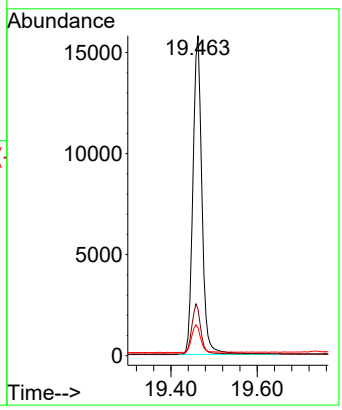


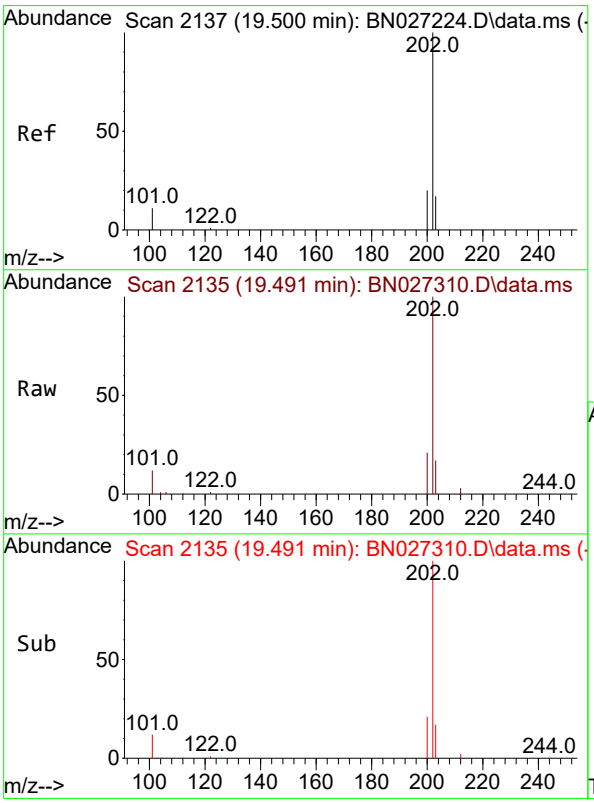
#27
Fluoranthene-d10
Concen: 0.379 ng
RT: 19.463 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:212 Resp: 22959

Ion	Ratio	Lower	Upper
212	100		
106	15.2	12.1	18.1
104	8.7	6.9	10.3

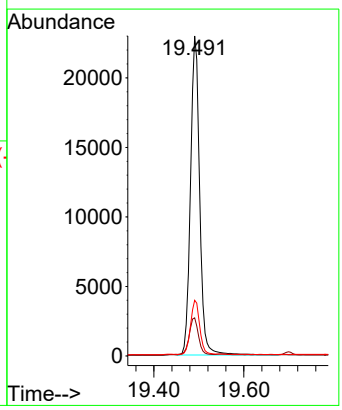


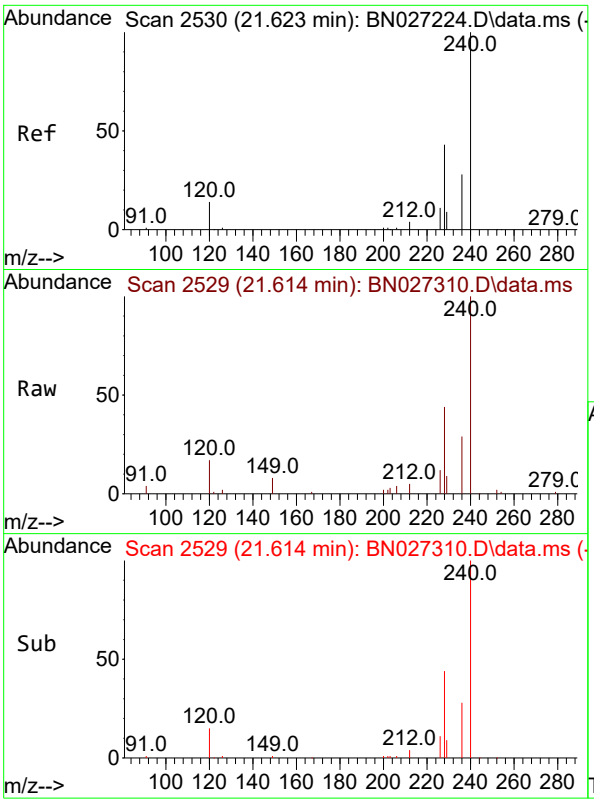


#28
Fluoranthene
Concen: 0.384 ng
RT: 19.491 min Scan# 2135
Delta R.T. -0.009 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:202 Resp: 32435

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.6	14.4
203	17.0	13.6	20.4



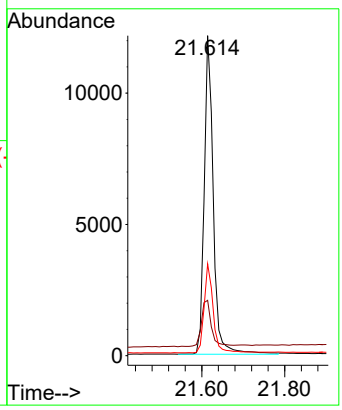


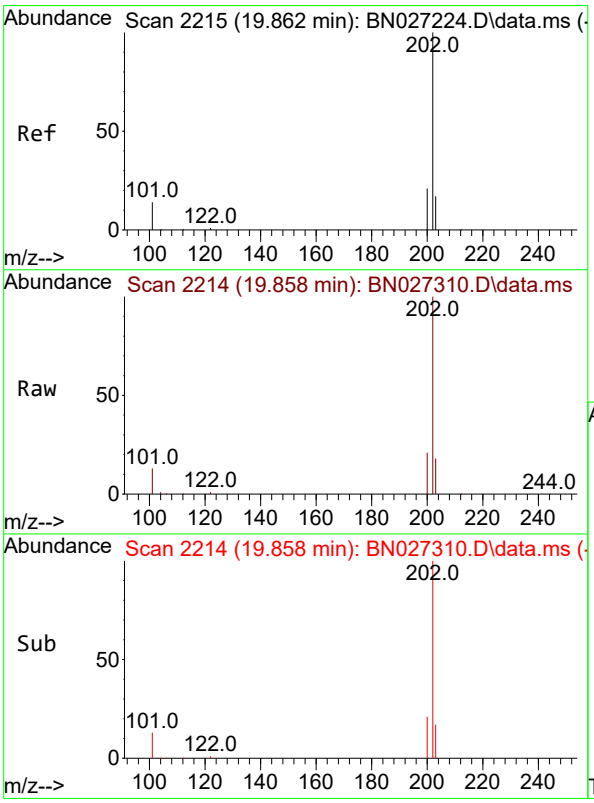
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.614 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:240 Resp: 18525

Ion	Ratio	Lower	Upper
240	100		
120	17.3	14.2	21.4
236	28.7	22.9	34.3

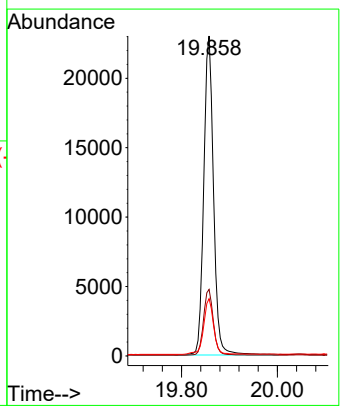


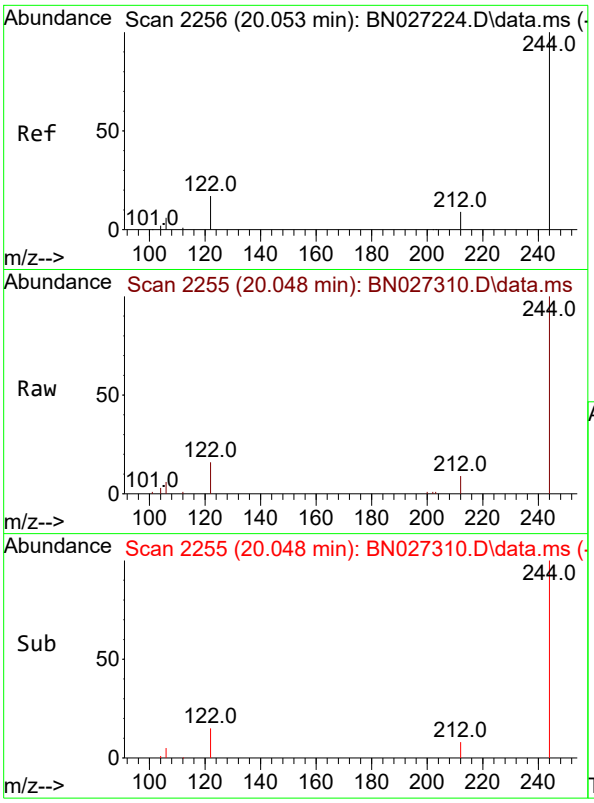


#30
Pyrene
Concen: 0.440 ng
RT: 19.858 min Scan# 2214
Delta R.T. -0.005 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:202 Resp: 32372

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.8	14.2	21.4



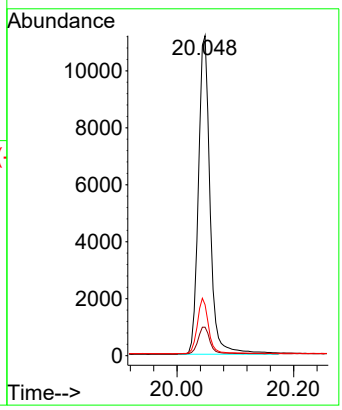


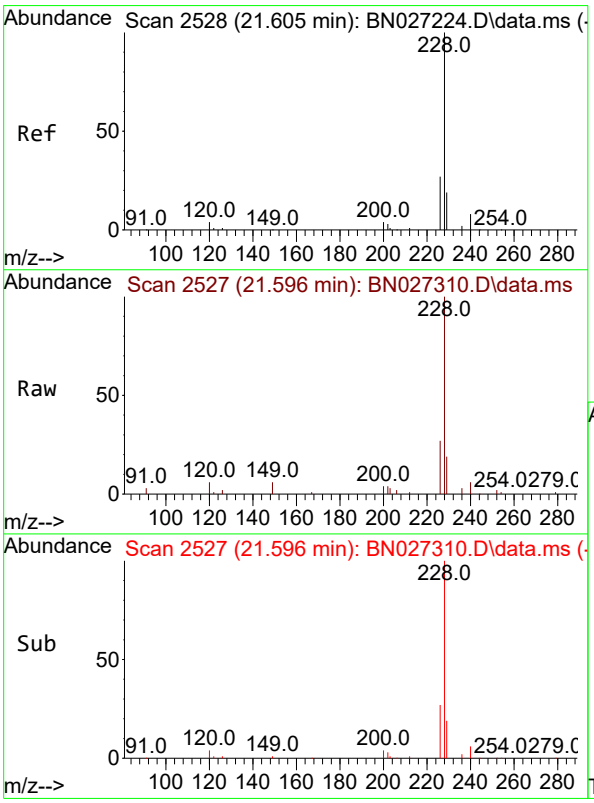
#31
Terphenyl-d14
Concen: 0.419 ng
RT: 20.048 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:244 Resp: 15588

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.5	11.3
122	15.9	14.0	21.0

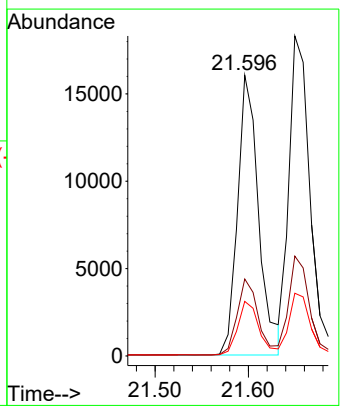


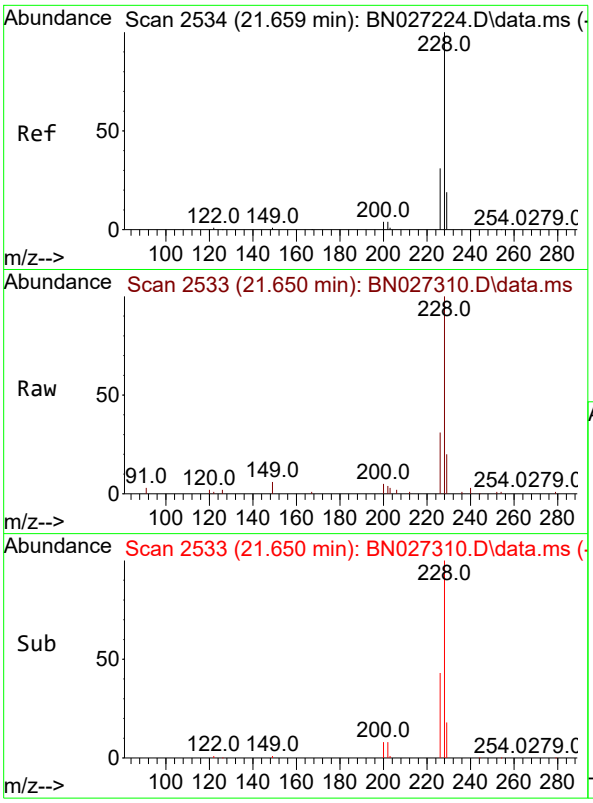


#32
Benzo(a)anthracene
Concen: 0.397 ng
RT: 21.596 min Scan# 2527
Delta R.T. -0.009 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:228 Resp: 25185

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.5	15.7	23.5



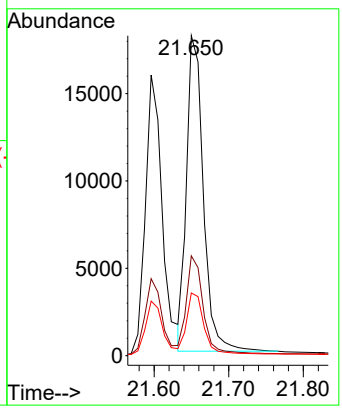


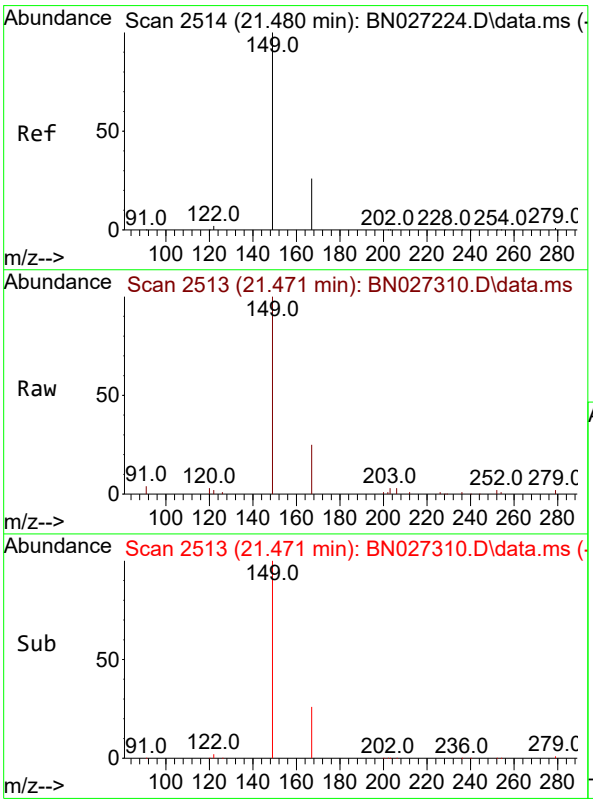
#33
Chrysene
Concen: 0.406 ng
RT: 21.650 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:228 Resp: 28346

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.3	36.5
229	19.6	15.4	23.2

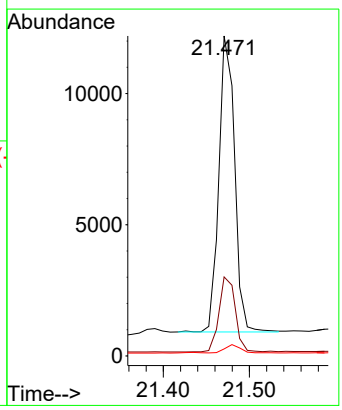


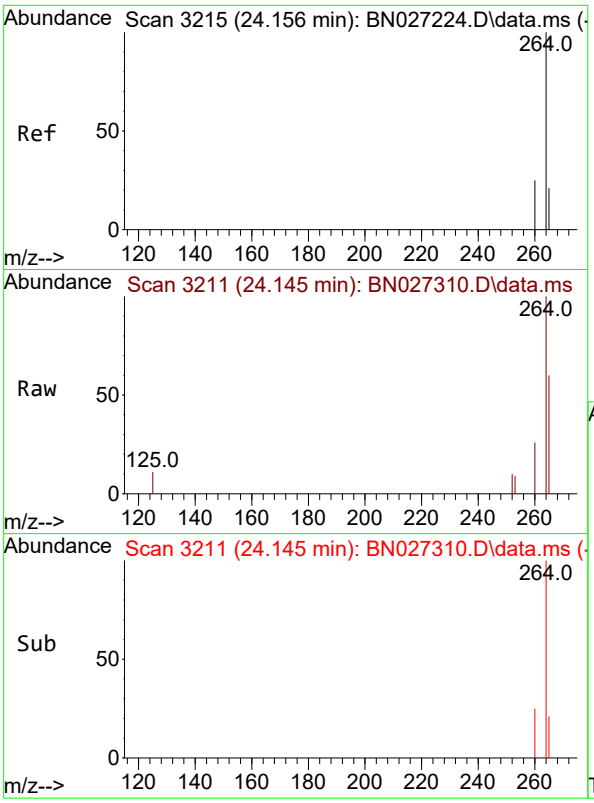


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.467 ng
RT: 21.471 min Scan# 2513
Delta R.T. -0.009 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:149 Resp: 14311

Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.1	33.1
279	2.8	2.7	4.1



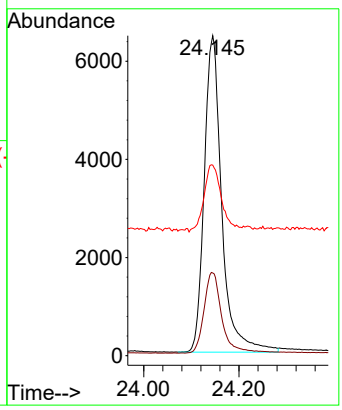


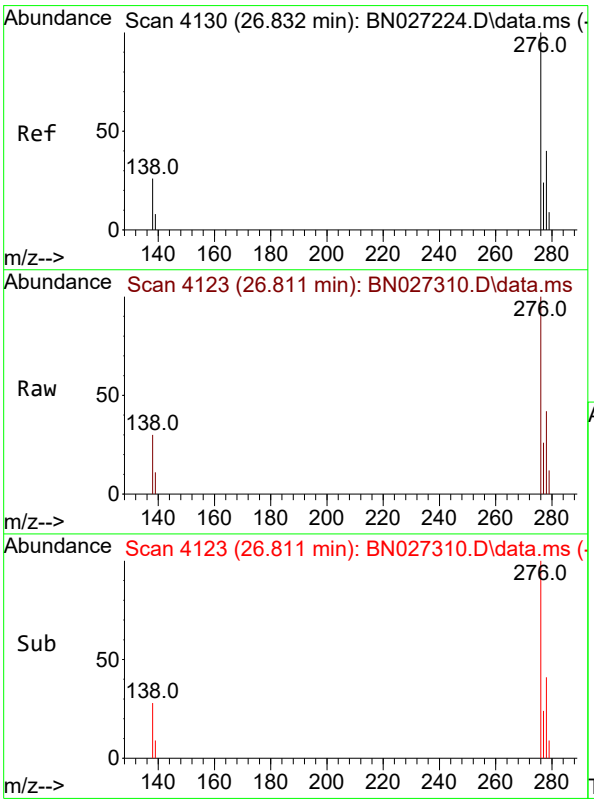
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.145 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:264 Resp: 16480

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.7	31.1
265	59.5	53.3	79.9

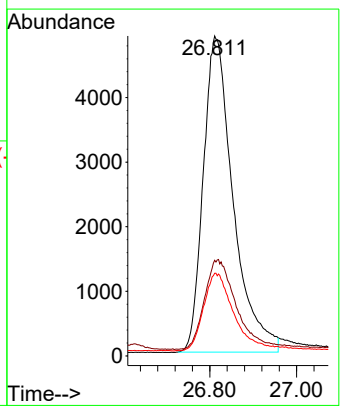


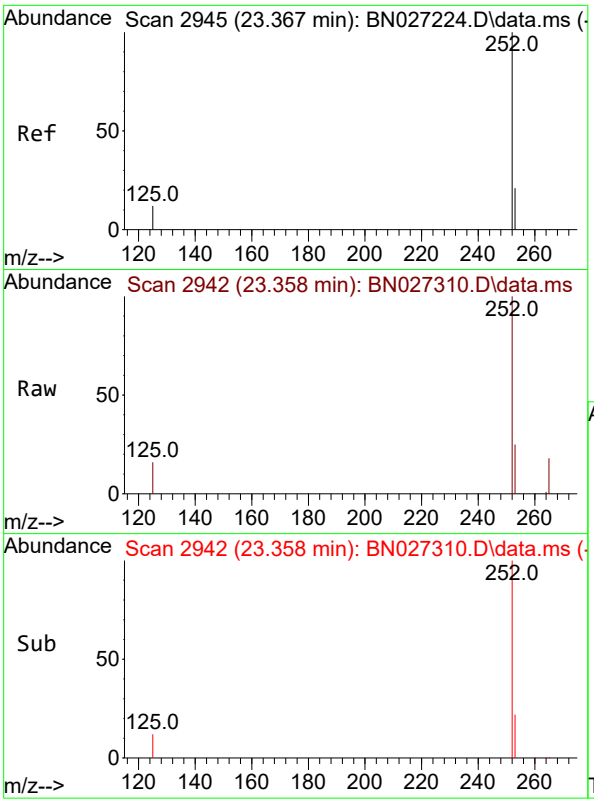


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.350 ng
RT: 26.811 min Scan# 4123
Delta R.T. -0.020 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:276 Resp: 23415

Ion	Ratio	Lower	Upper
276	100		
138	30.0	23.4	35.2
277	24.6	19.8	29.8



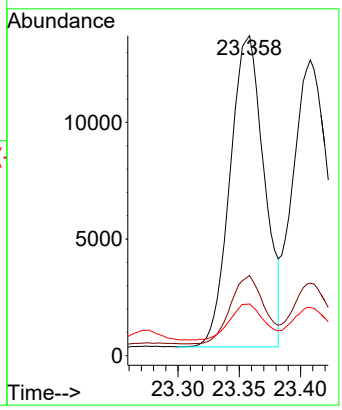


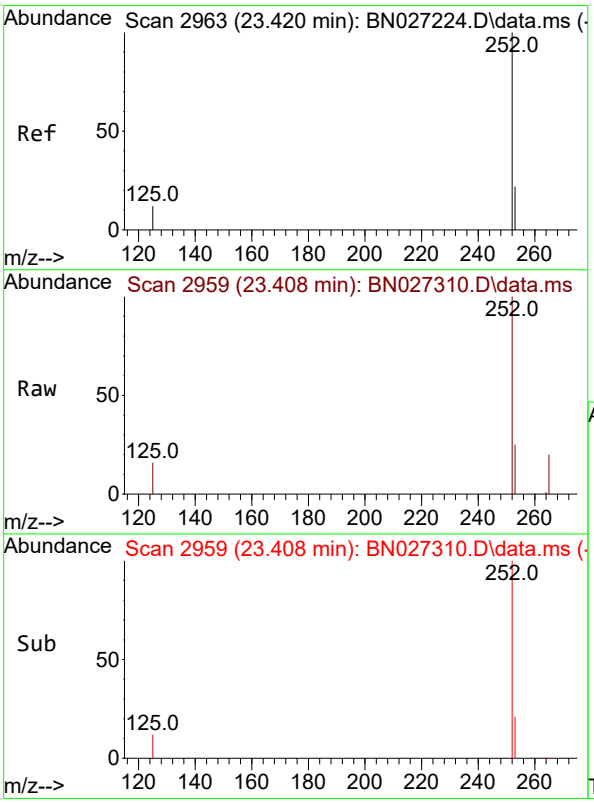
#37
Benzo(b)fluoranthene
Concen: 0.405 ng
RT: 23.358 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:252 Resp: 25857

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.9	29.9
125	16.2	13.8	20.6

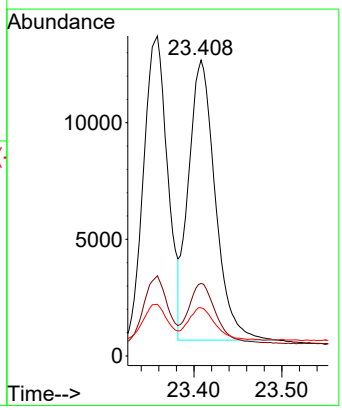


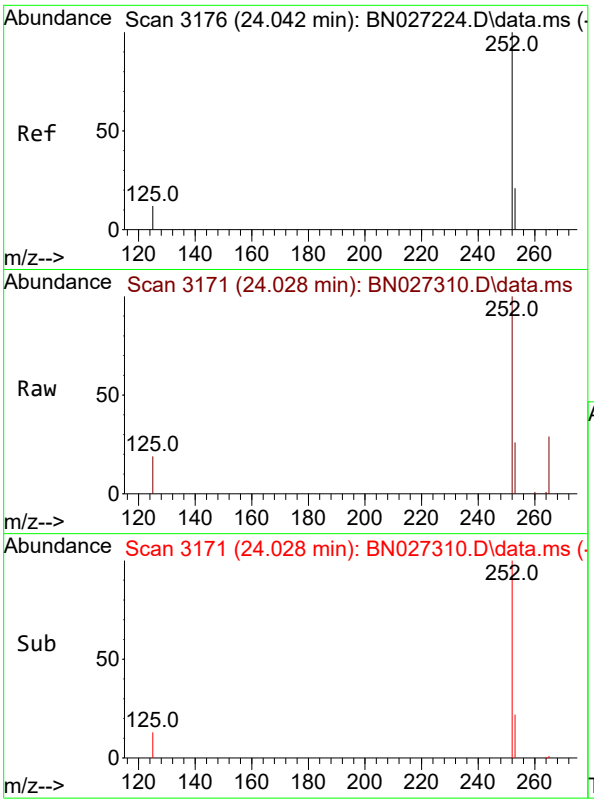


#38
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 23.408 min Scan# 2959
Delta R.T. -0.012 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:252 Resp: 25420

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.2	30.2
125	16.3	14.1	21.1



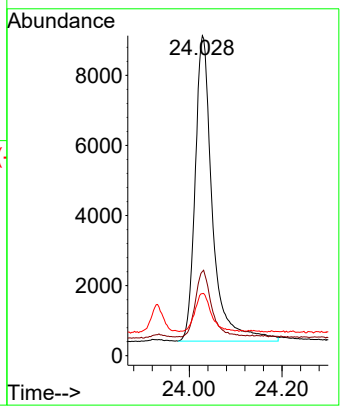


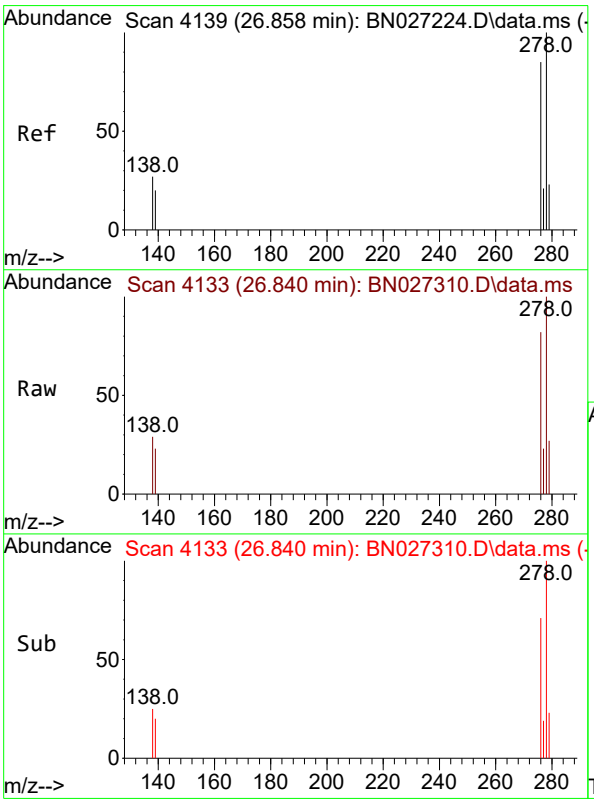
#39
Benzo(a)pyrene
Concen: 0.378 ng
RT: 24.028 min Scan# 3
Delta R.T. -0.015 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:252 Resp: 22552

Ion	Ratio	Lower	Upper
252	100		
253	26.3	21.4	32.0
125	19.4	16.5	24.7

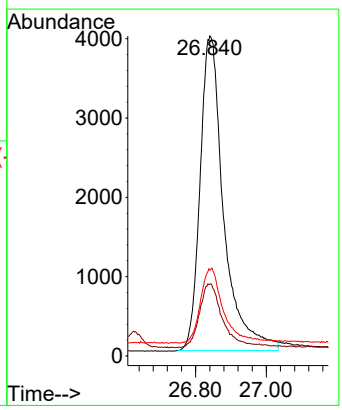


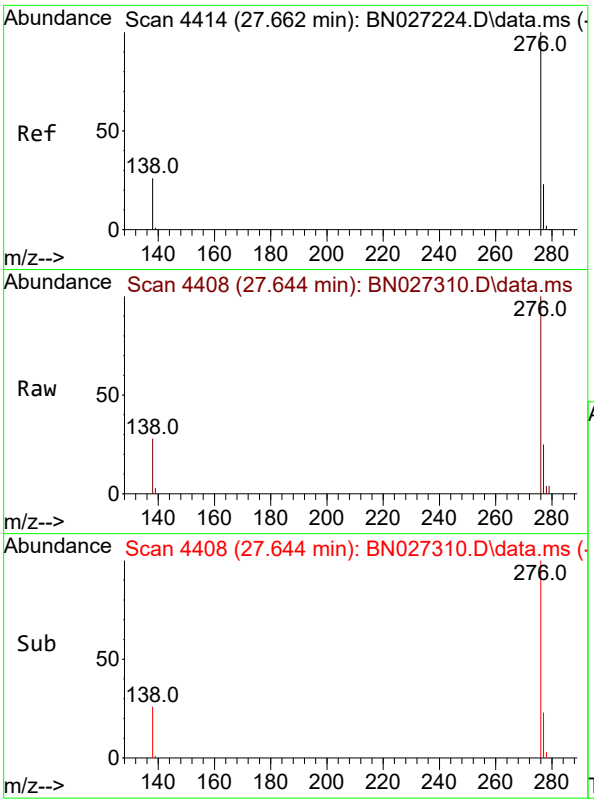


#40
Dibenzo(a,h)anthracene
Concen: 0.351 ng
RT: 26.840 min Scan# 4133
Delta R.T. -0.017 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Tgt Ion:278 Resp: 18386

Ion	Ratio	Lower	Upper
278	100		
139	22.5	17.9	26.9
279	26.8	21.8	32.6





#41
Benzo(g,h,i)perylene
Concen: 0.356 ng
RT: 27.644 min Scan# 44
Delta R.T. -0.017 min
Lab File: BN027310.D
Acq: 31 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
PB155217BS

Tgt Ion:276 Resp: 21625

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.6	29.4
138	28.2	22.1	33.1