Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011924\
Data File : BN029298.D
Acq On : 19 Jan 2024 11:04
Operator : MA/JU
Sample : PB158451BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Quant Time: Jan 19 12:01:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 18 16:49:42 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.941	152	2952	0.400	ng		0.00
7) Naphthalene-d8	10.744	136	8177	0.400	ng		0.00
13) Acenaphthene-d10	14.575	164	4586	0.400	ng		0.00
19) Phenanthrene-d10	17.330	188	11201	0.400	ng		0.00
29) Chrysene-d12	21.528	240	9749	0.400	ng	#	0.00
35) Perylene-d12	23.935	264	9279	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.514	112	2706	0.370	ng		0.00
5) Phenol-d6	7.103	99	3572	0.368	ng		0.00
8) Nitrobenzene-d5	9.099	82	2172	0.286	ng		0.00
11) 2-Methylnaphthalene-d10	12.329	152	4947	0.355	ng		0.00
14) 2,4,6-Tribromophenol	16.064	330	579	0.412	ng		0.00
15) 2-Fluorobiphenyl	13.207	172	6436	0.301	ng		0.00
27) Fluoranthene-d10	19.359	212	9205	0.271	ng		0.00
31) Terphenyl-d14	19.968	244	7596	0.311	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.406	88	795	0.221	ng	#	63
3) n-Nitrosodimethylamine	3.738	42	1005	0.280	ng	#	97
6) bis(2-Chloroethyl)ether	7.378	93	2661	0.292	ng		98
9) Naphthalene	10.786	128	6995	0.275	ng		98
10) Hexachlorobutadiene	11.075	225	1475	0.268	ng	#	97
12) 2-Methylnaphthalene	12.405	142	4457	0.261	ng		99
16) Acenaphthylene	14.297	152	6713	0.288	ng		99
17) Acenaphthene	14.639	154	4283	0.271	ng		99
18) Fluorene	15.617	166	5992	0.277	ng		99
20) 4,6-Dinitro-2-methylph...	15.704	198	381	0.337	ng		90
21) 4-Bromophenyl-phenylether	16.523	248	1824	0.306	ng		97
22) Hexachlorobenzene	16.622	284	2564	0.263	ng		98
23) Atrazine	16.796	200	1471	0.267	ng		97
24) Pentachlorophenol	16.970	266	1396	0.464	ng		98
25) Phenanthrene	17.367	178	10186	0.272	ng		100
26) Anthracene	17.454	178	8648	0.265	ng		100
28) Fluoranthene	19.392	202	11607	0.253	ng		100
30) Pyrene	19.754	202	11615	0.282	ng		100
32) Benzo(a)anthracene	21.510	228	10344	0.275	ng		99
33) Chrysene	21.564	228	11366	0.283	ng		99
34) Bis(2-ethylhexyl)phtha...	21.465	149	4433	0.261	ng		100
36) Indeno(1,2,3-cd)pyrene	26.431	276	11596	0.280	ng		99
37) Benzo(b)fluoranthene	23.204	252	10884	0.278	ng		97
38) Benzo(k)fluoranthene	23.253	252	10351	0.273	ng		97
39) Benzo(a)pyrene	23.829	252	8303	0.264	ng	#	94
40) Dibenzo(a,h)anthracene	26.464	278	9371	0.280	ng		95
41) Benzo(g,h,i)perylene	27.195	276	10015	0.283	ng		99

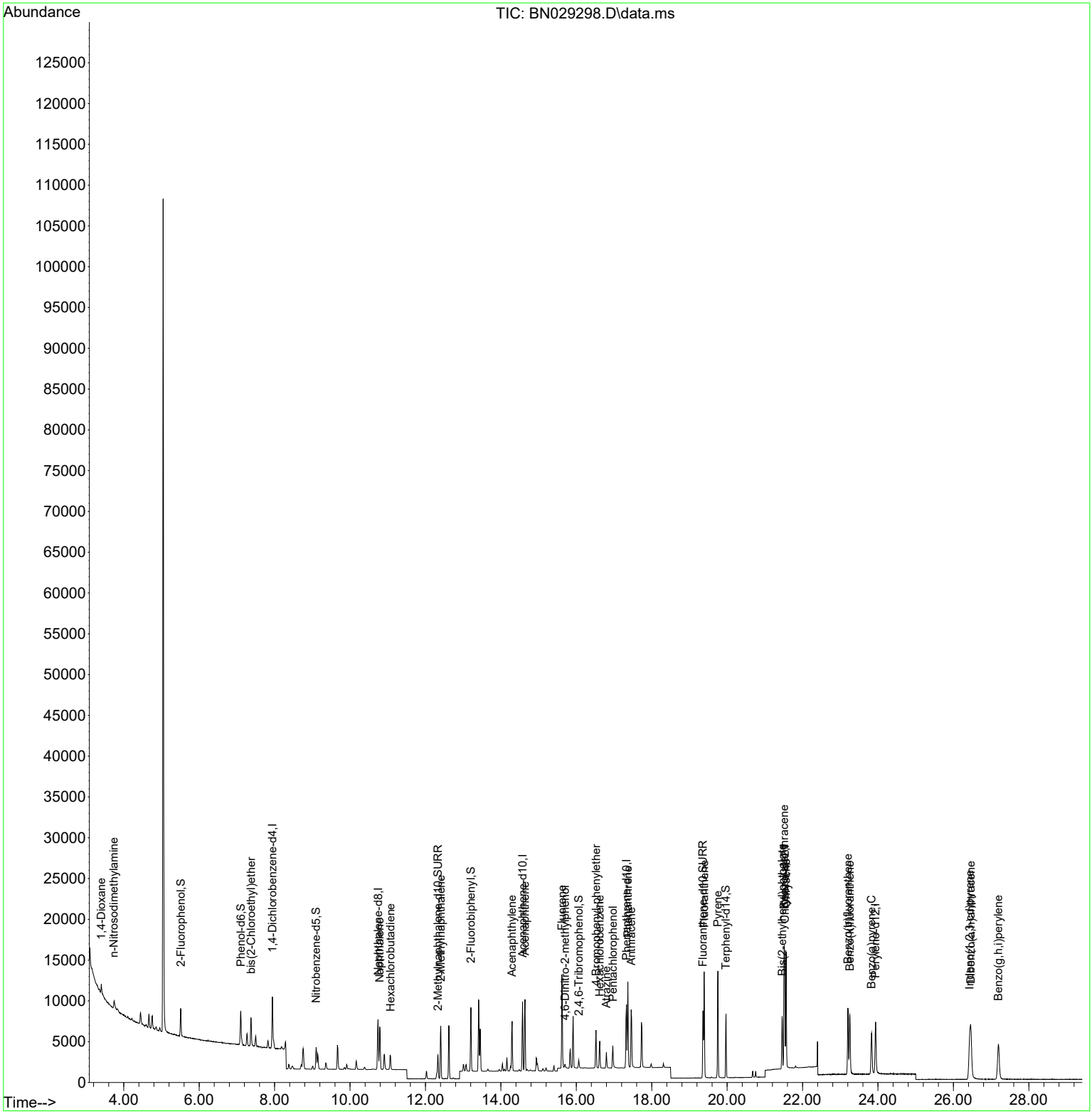
(#) = qualifier out of range (m) = manual integration (+) = signals summed

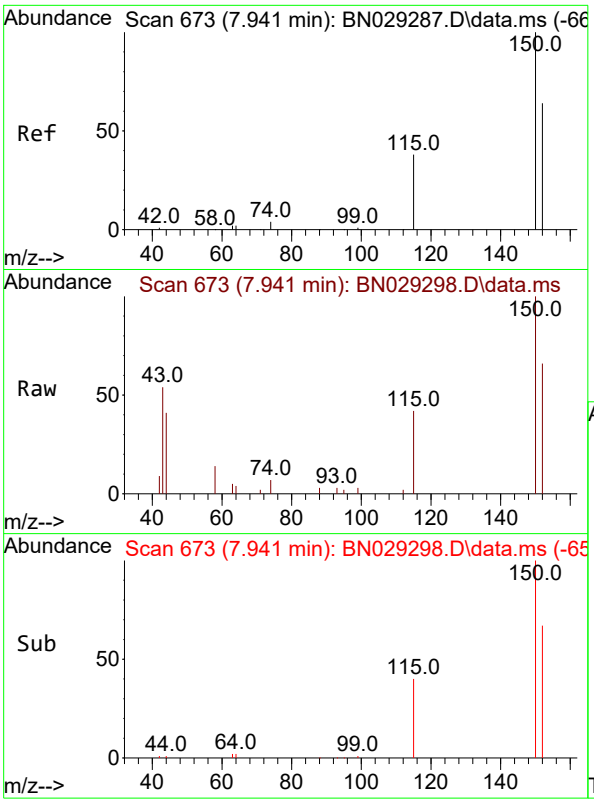
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011924\
Data File : BN029298.D
Acq On : 19 Jan 2024 11:04
Operator : MA/JU
Sample : PB158451BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Quant Time: Jan 19 12:01:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 18 16:49:42 2024
Response via : Initial Calibration



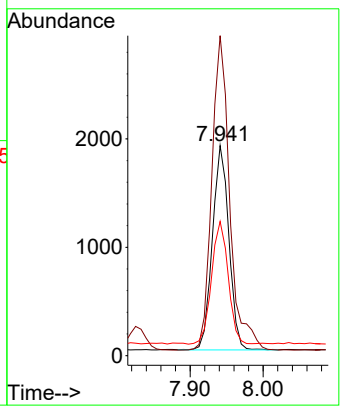


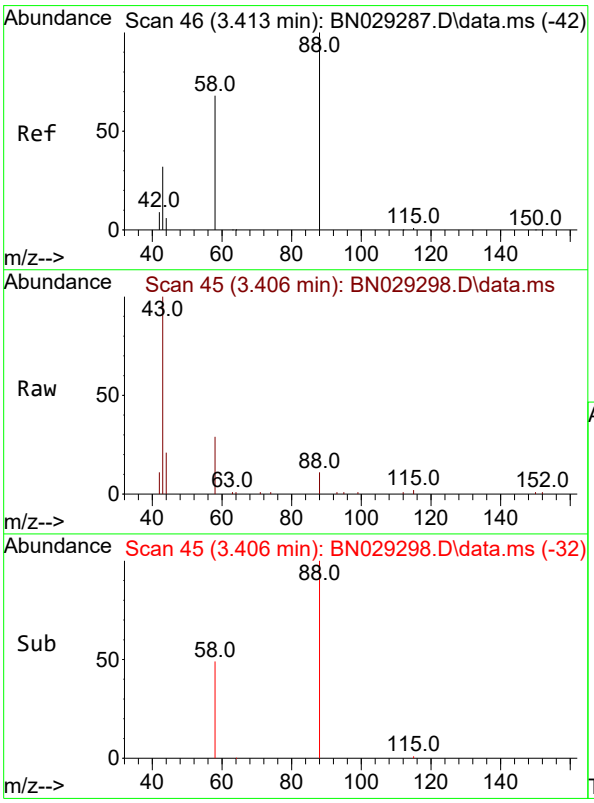
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.941 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:152 Resp: 2952

Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.6	186.8
115	63.9	50.6	76.0

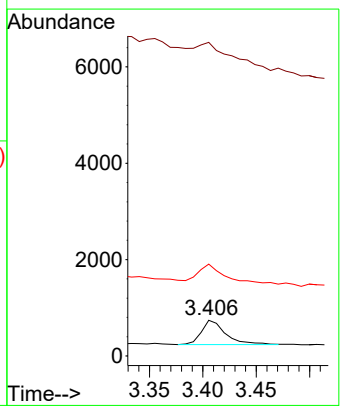


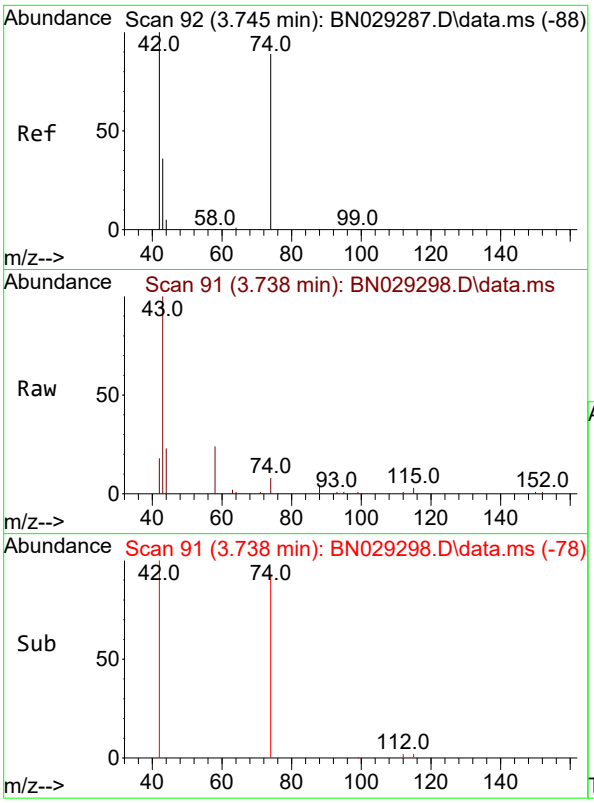


#2
1,4-Dioxane
Concen: 0.221 ng
RT: 3.406 min Scan# 45
Delta R.T. -0.007 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion: 88 Resp: 795

Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.2	39.2#
58	90.9	55.3	82.9#



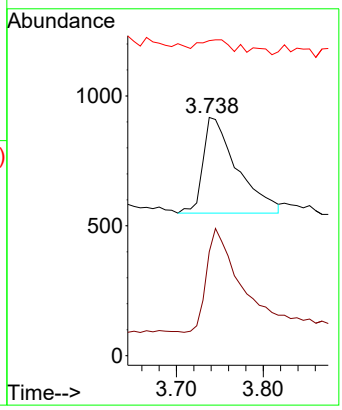


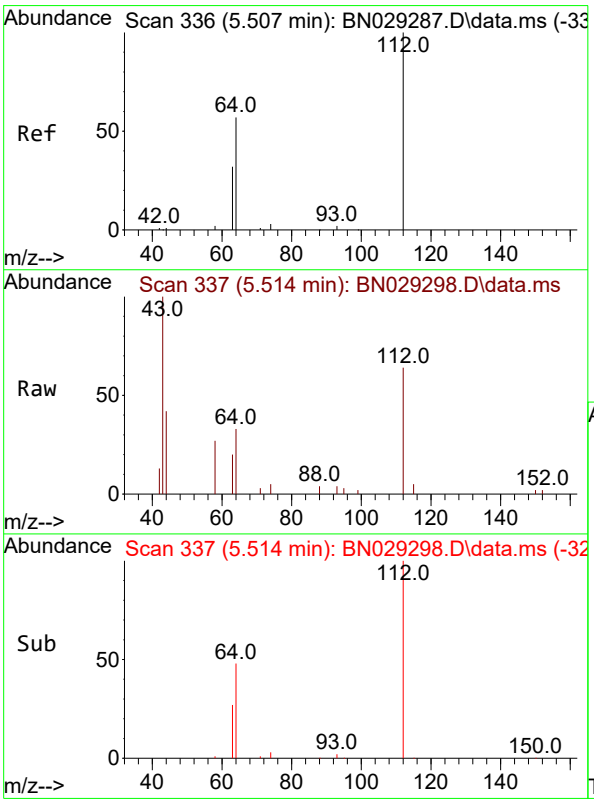
#3
n-Nitrosodimethylamine
Concen: 0.280 ng
RT: 3.738 min Scan# 9
Delta R.T. -0.007 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion: 42 Resp: 1005

Ion	Ratio	Lower	Upper
42	100		
74	109.0	85.4	128.2
44	9.7	2.8	4.2#

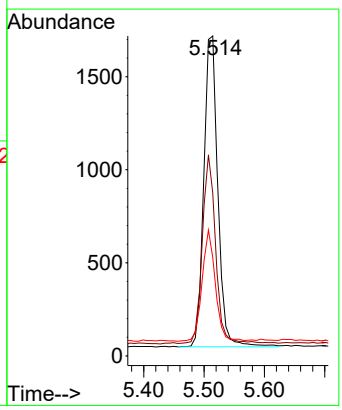


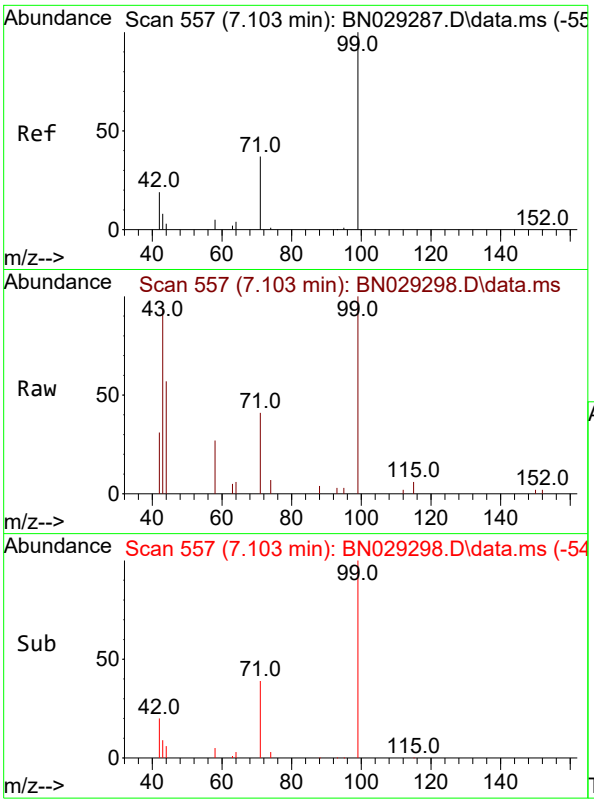


#4
2-Fluorophenol
Concen: 0.370 ng
RT: 5.514 min Scan# 337
Delta R.T. 0.007 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:112 Resp: 2706

Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.7	68.5
63	33.6	26.6	39.8



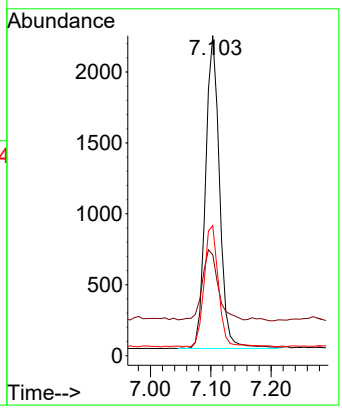


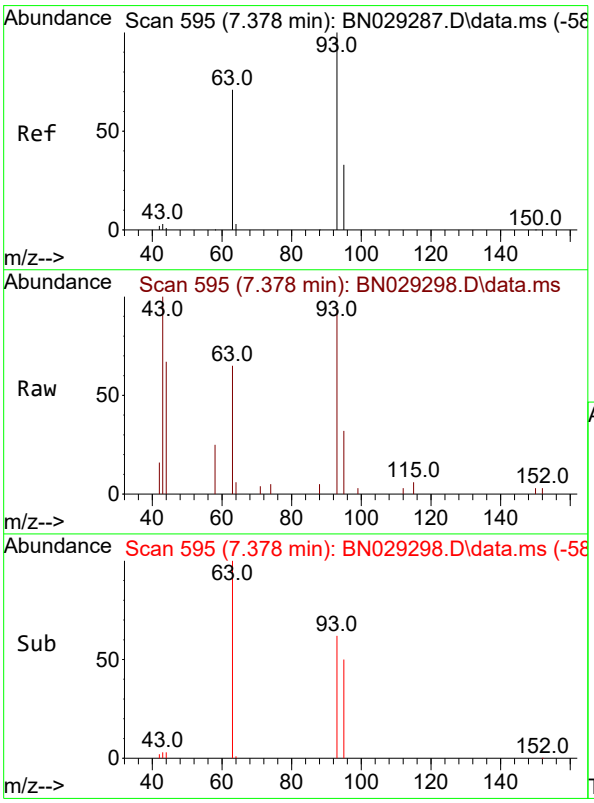
#5
Phenol-d6
Concen: 0.368 ng
RT: 7.103 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion: 99 Resp: 3572

Ion	Ratio	Lower	Upper
99	100		
42	25.2	19.1	28.7
71	39.5	31.2	46.8

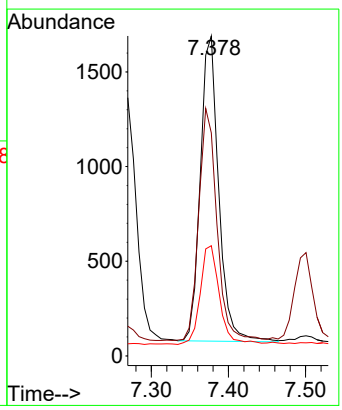


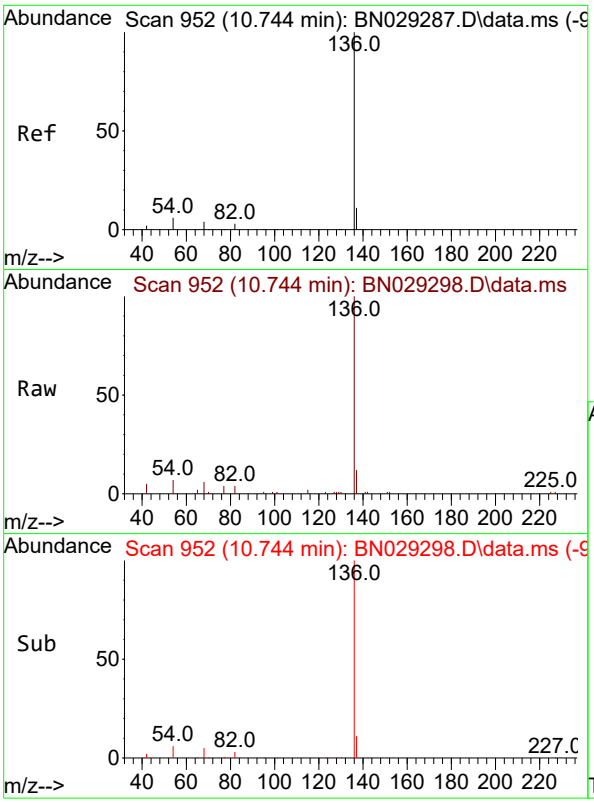


#6
bis(2-Chloroethyl)ether
Concen: 0.292 ng
RT: 7.378 min Scan# 595
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion: 93 Resp: 2661

Ion	Ratio	Lower	Upper
93	100		
63	75.1	61.3	91.9
95	33.8	26.3	39.5



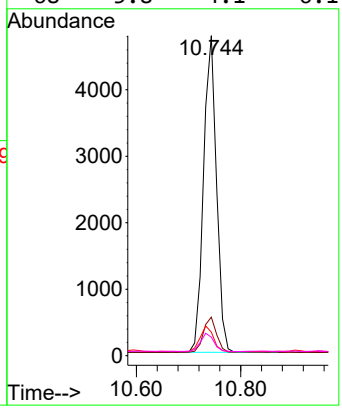


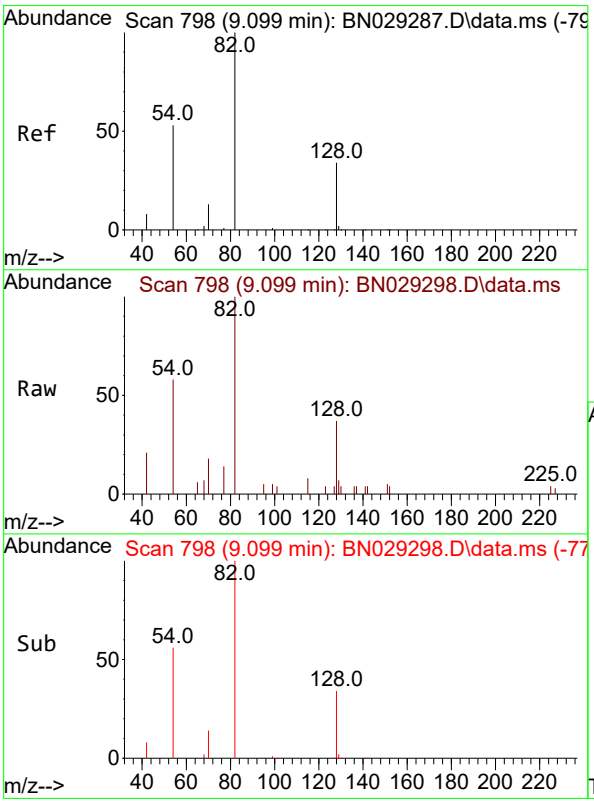
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.744 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:136 Resp: 8177

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.9	13.3
54	7.4	5.2	7.8
68	5.8	4.1	6.1

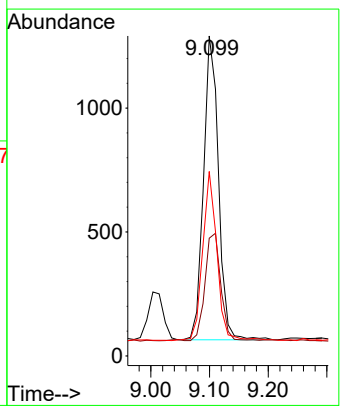


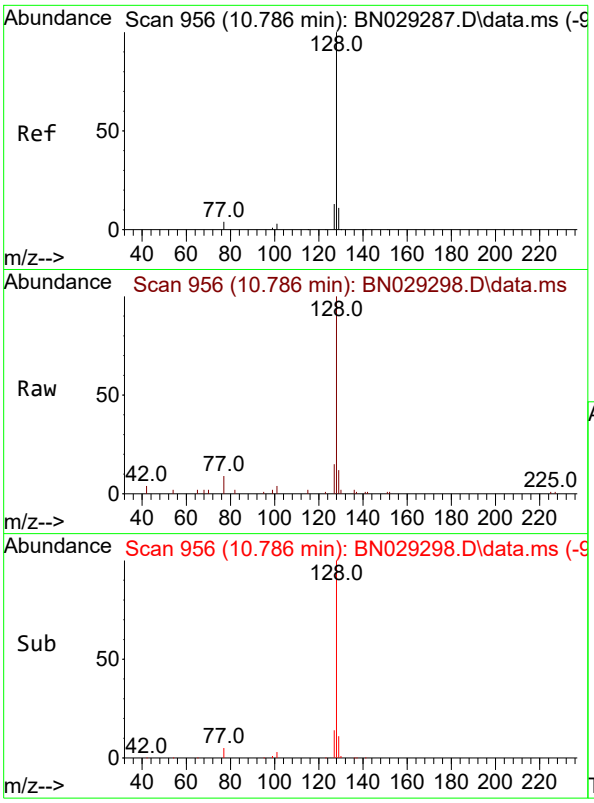


#8
Nitrobenzene-d5
Concen: 0.286 ng
RT: 9.099 min Scan# 798
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion: 82 Resp: 2172

Ion	Ratio	Lower	Upper
82	100		
128	36.8	28.6	43.0
54	57.6	42.9	64.3



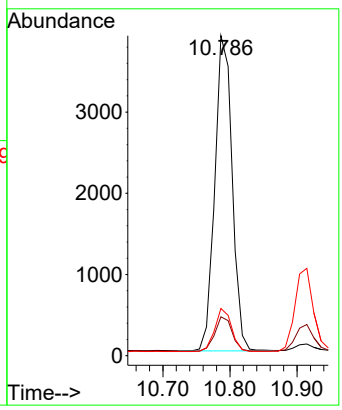


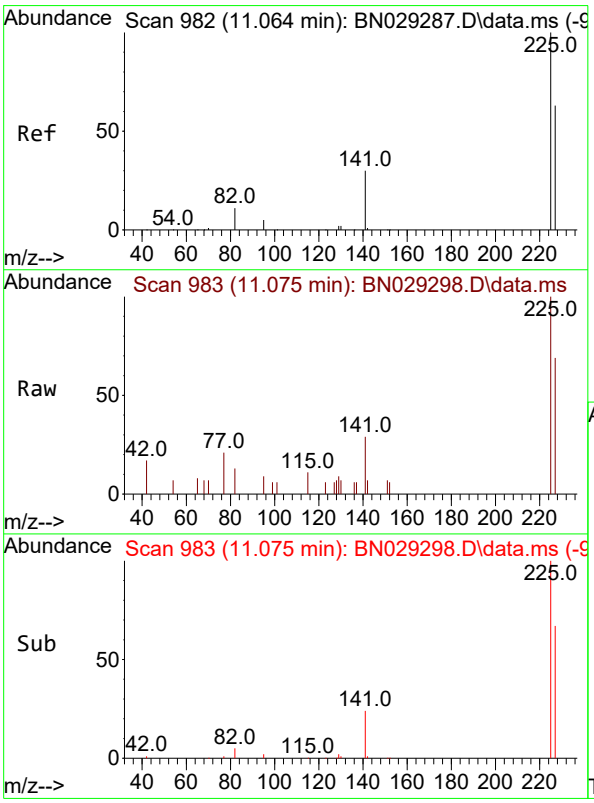
#9
Naphthalene
Concen: 0.275 ng
RT: 10.786 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:128 Resp: 6995

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.3	13.9
127	14.8	11.2	16.8

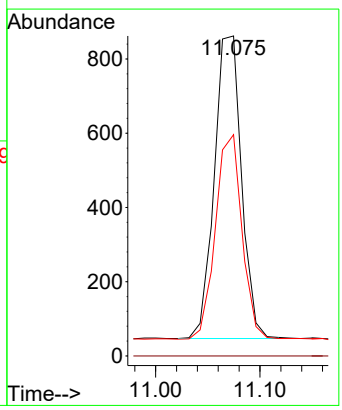


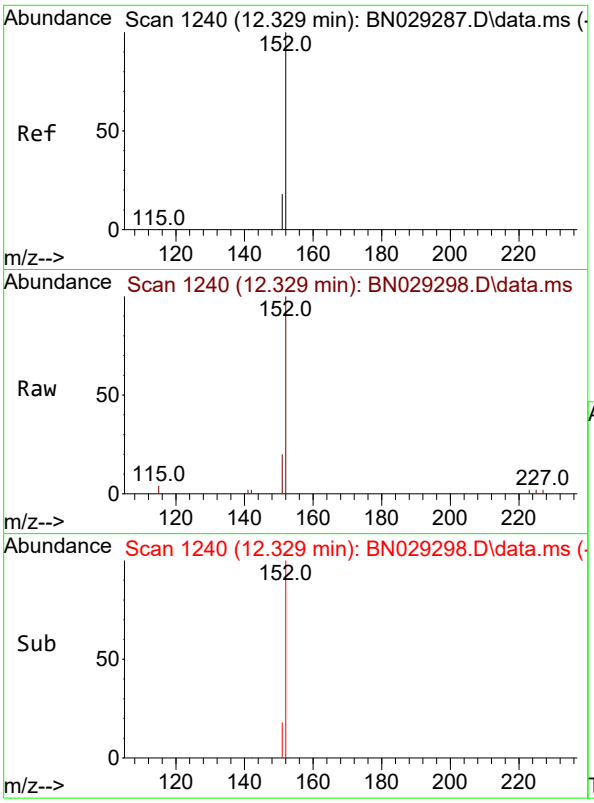


#10
Hexachlorobutadiene
Concen: 0.268 ng
RT: 11.075 min Scan# 983
Delta R.T. 0.011 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:225 Resp: 1475

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.1	51.3	76.9



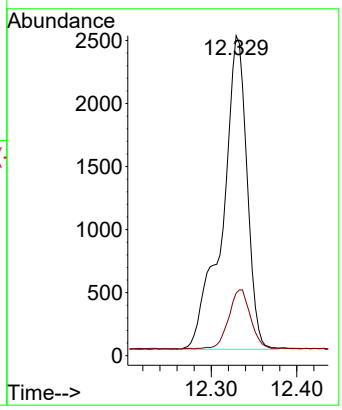


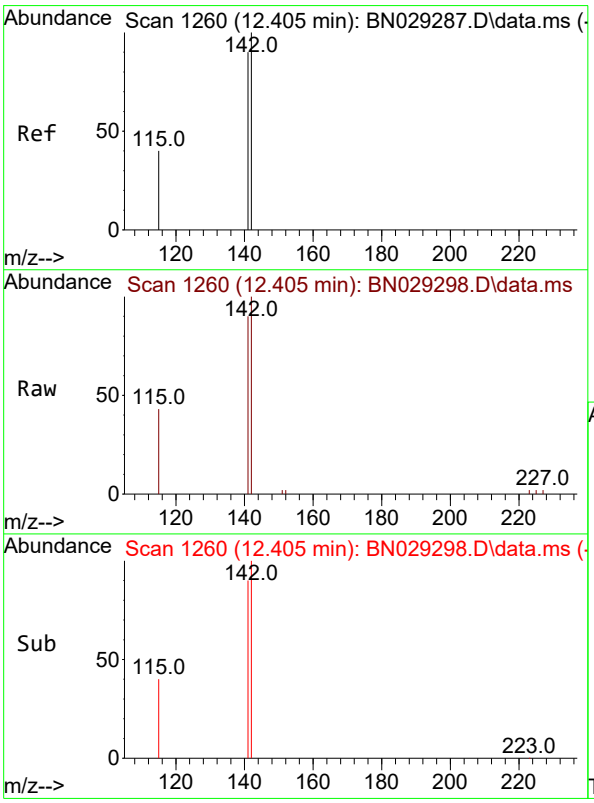
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:152 Resp: 4947

Ion	Ratio	Lower	Upper
152	100		
151	16.7	16.6	24.8

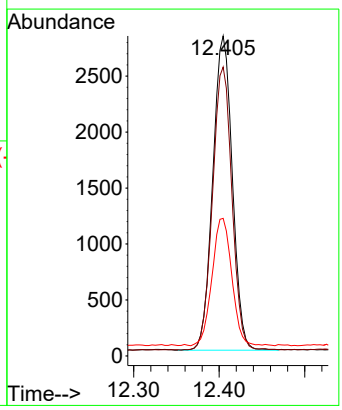


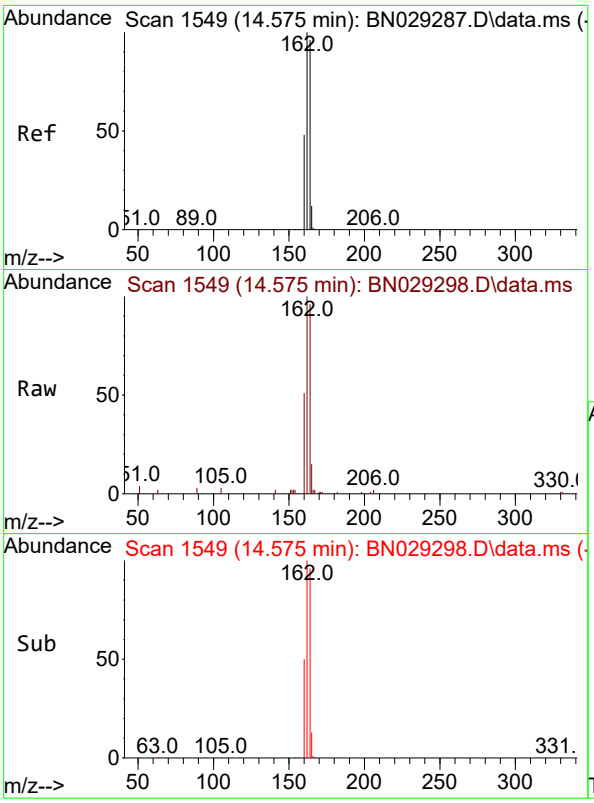


#12
2-Methylnaphthalene
Concen: 0.261 ng
RT: 12.405 min Scan# 1260
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:142 Resp: 4457

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
115	43.0	32.9	49.3



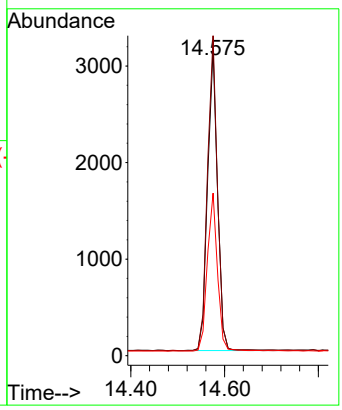


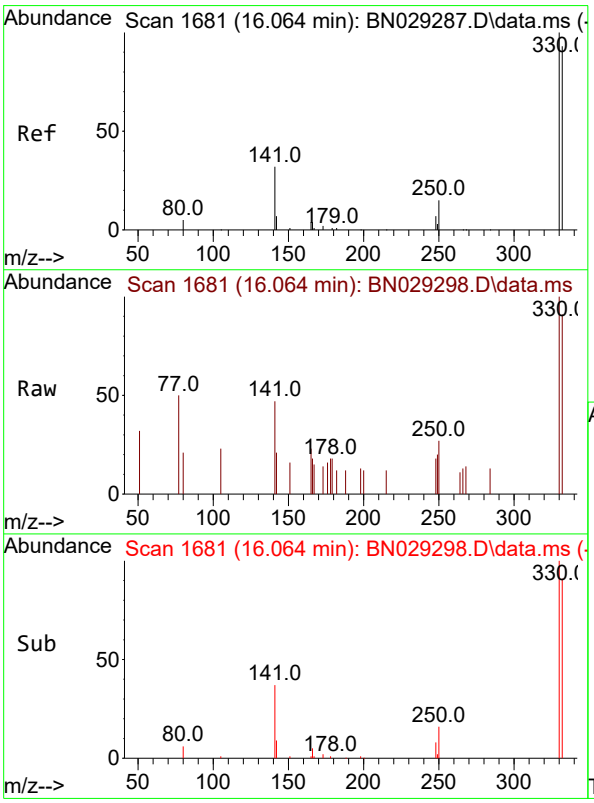
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:164 Resp: 4586

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.4	125.2
160	53.0	40.6	61.0

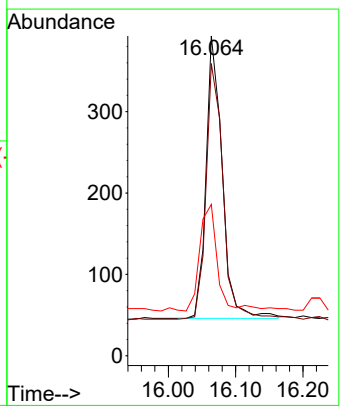


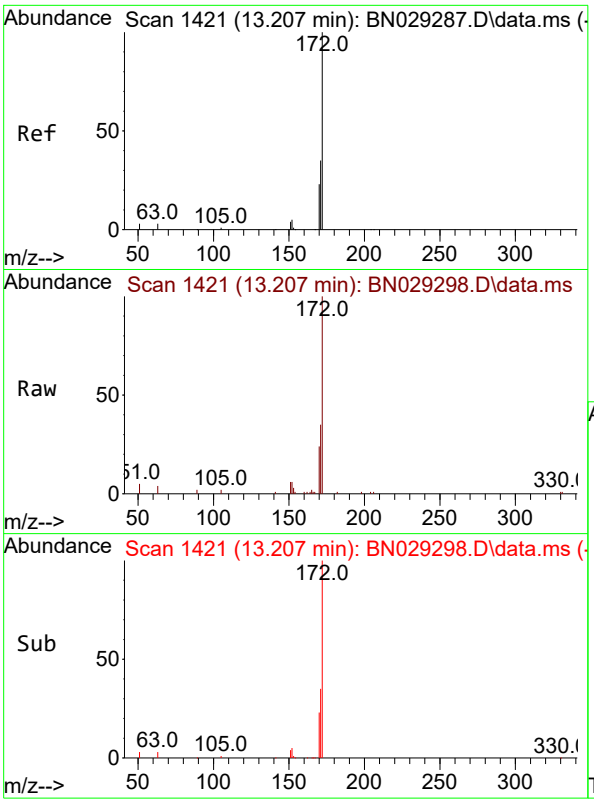


#14
2,4,6-Tribromophenol
Concen: 0.412 ng
RT: 16.064 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:330 Resp: 579

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	40.2	34.3	51.5



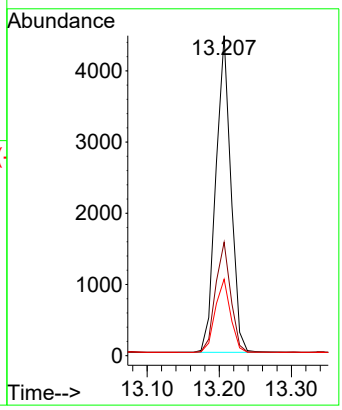


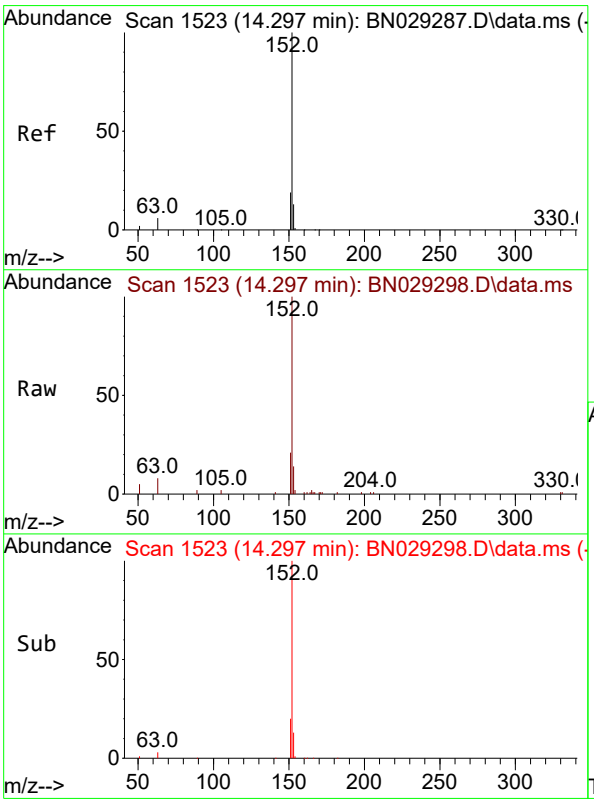
#15
2-Fluorobiphenyl
Concen: 0.301 ng
RT: 13.207 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:172 Resp: 6436

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.0	42.0
170	23.9	18.7	28.1

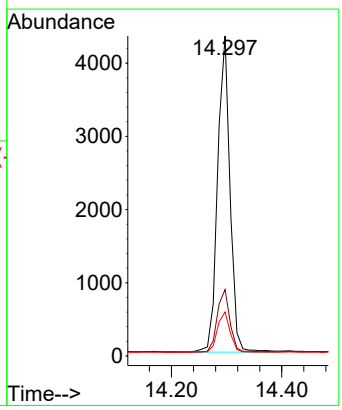


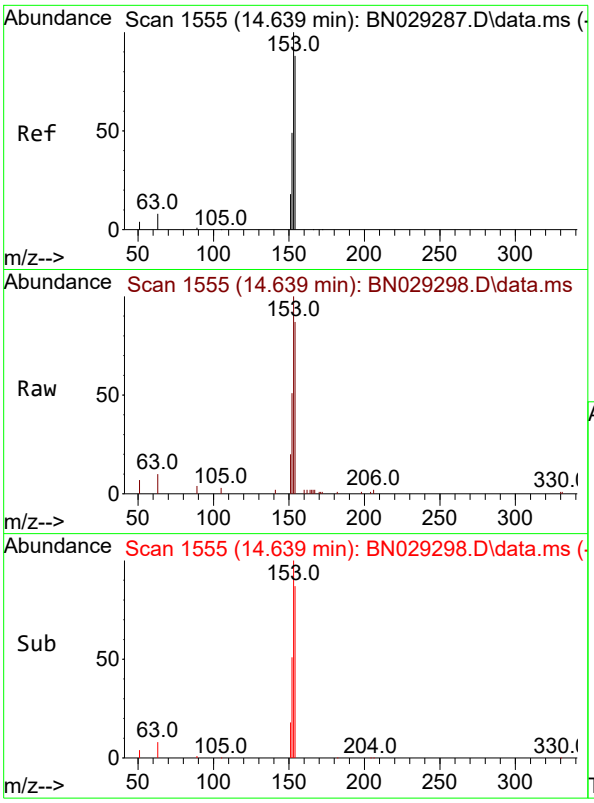


#16
Acenaphthylene
Concen: 0.288 ng
RT: 14.297 min Scan# 1523
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:152 Resp: 6713

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.6	23.4
153	13.1	10.6	16.0



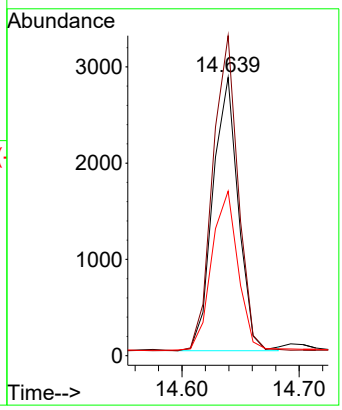


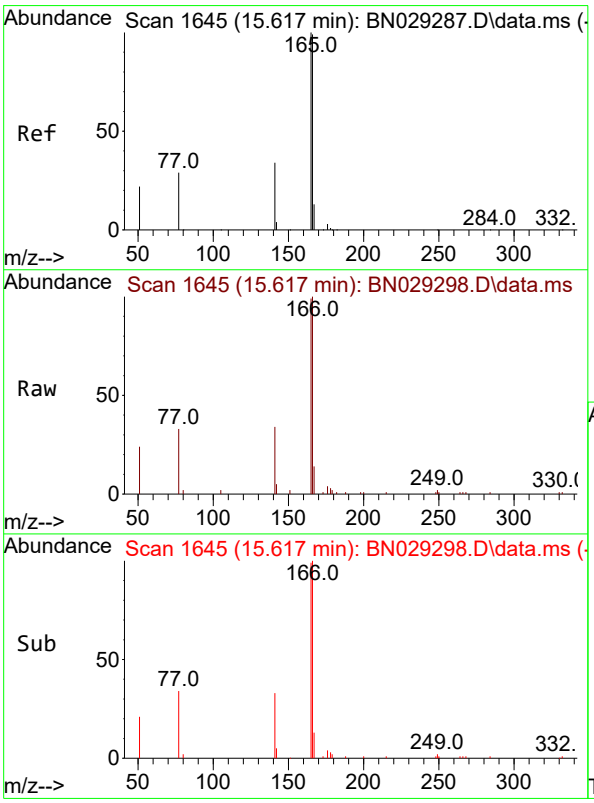
#17
Acenaphthene
Concen: 0.271 ng
RT: 14.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:154 Resp: 4283

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.2	138.2
152	60.8	47.4	71.2

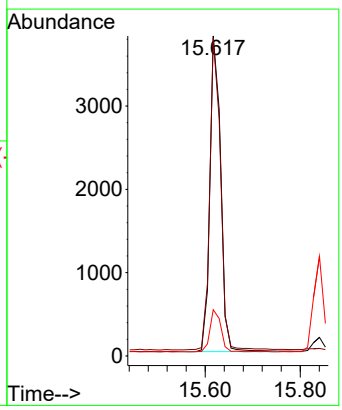


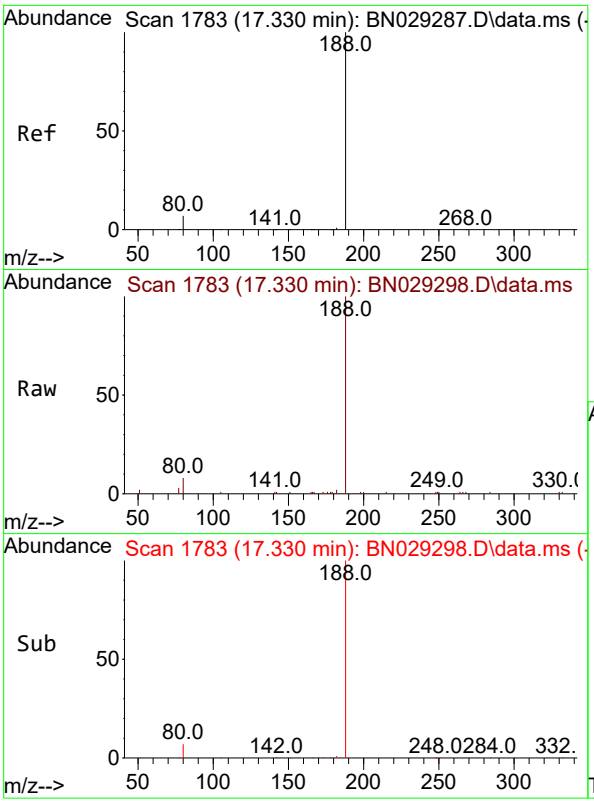


#18
Fluorene
Concen: 0.277 ng
RT: 15.617 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:166 Resp: 5992

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.3	118.9
167	13.5	10.8	16.2



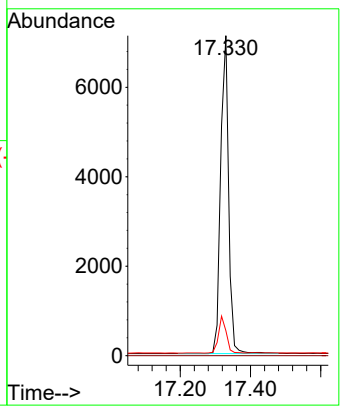


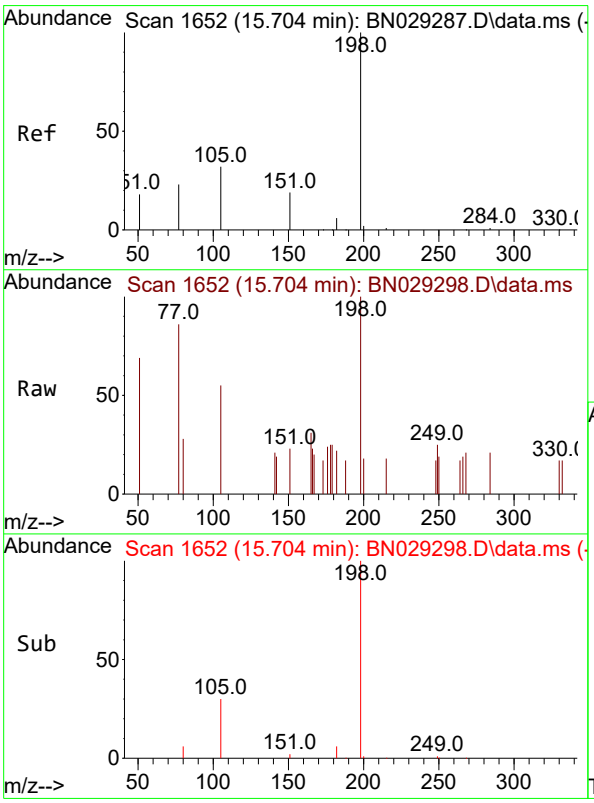
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.330 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:188 Resp: 11201

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	5.7	8.5

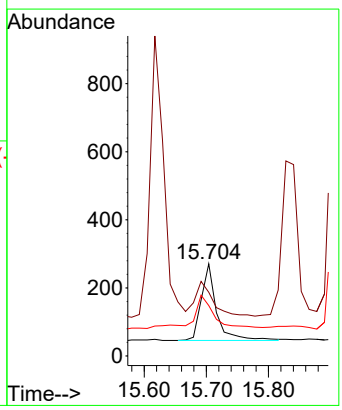


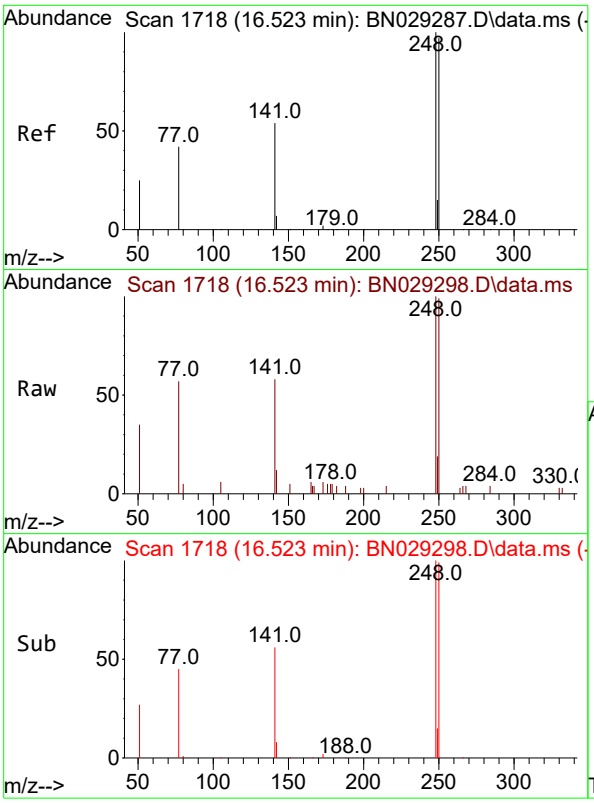


#20
4,6-Dinitro-2-methylphenol
Concen: 0.337 ng
RT: 15.704 min Scan# 1652
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:198 Resp: 381

Ion	Ratio	Lower	Upper
198	100		
51	69.0	48.8	73.2
105	54.6	39.0	58.6



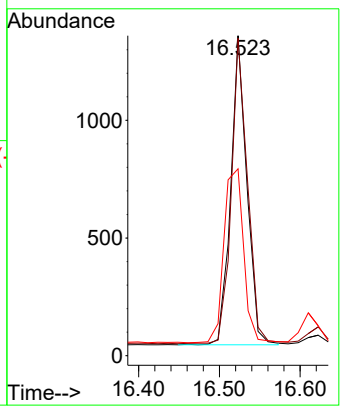


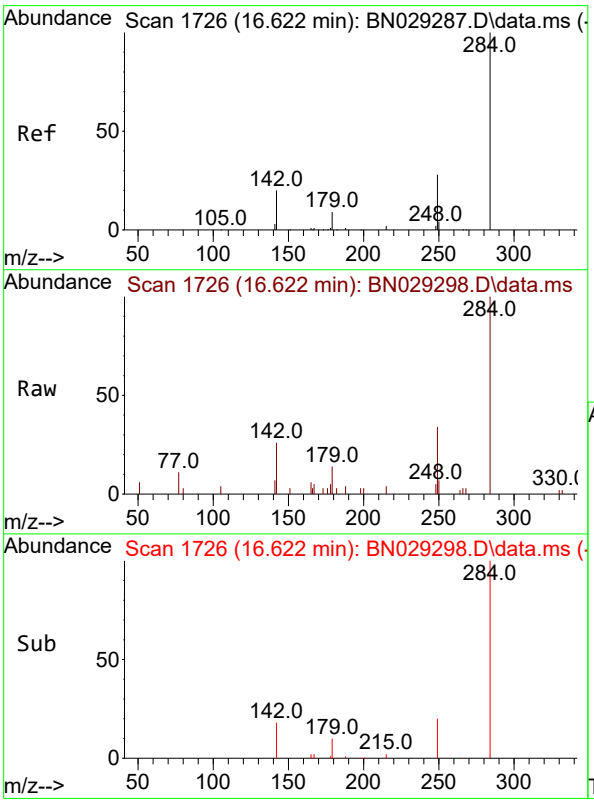
#21
4-Bromophenyl-phenylether
Concen: 0.306 ng
RT: 16.523 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:248 Resp: 1824

Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.1	117.1
141	58.4	44.2	66.4

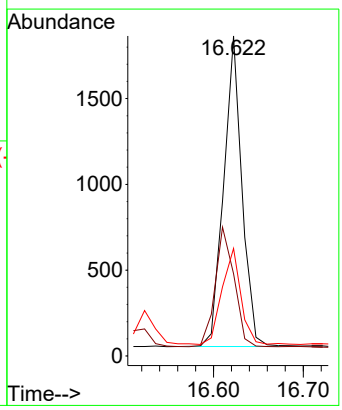


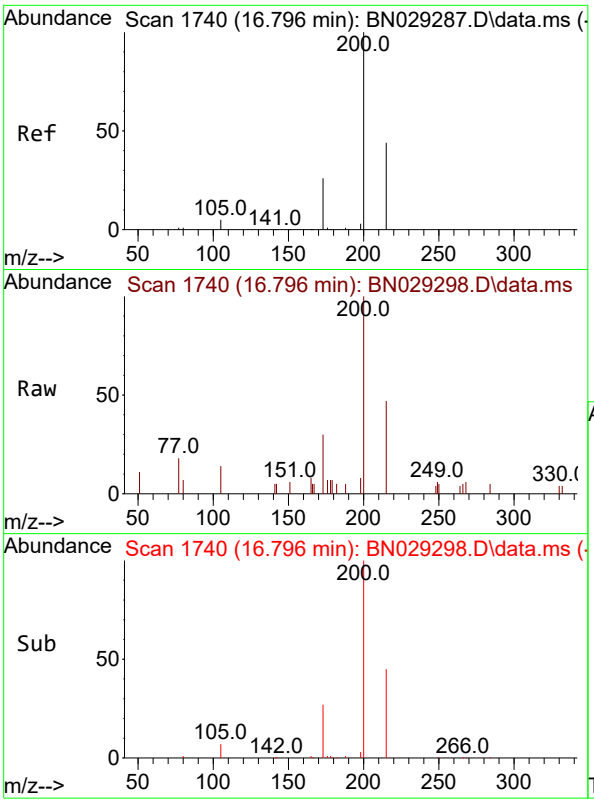


#22
Hexachlorobenzene
Concen: 0.263 ng
RT: 16.622 min Scan# 1726
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:284 Resp: 2564

Ion	Ratio	Lower	Upper
284	100		
142	39.7	30.6	45.8
249	31.4	24.9	37.3



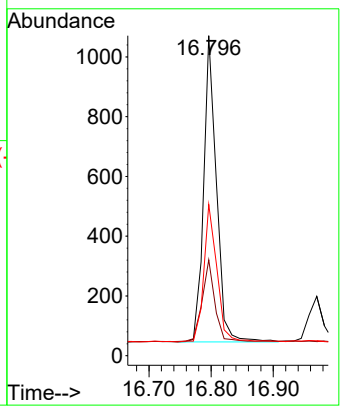


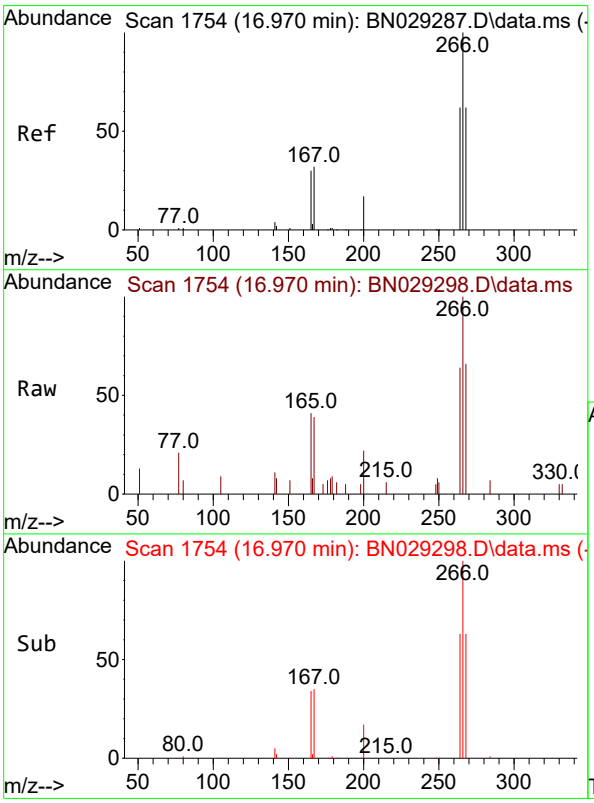
#23
Atrazine
Concen: 0.267 ng
RT: 16.796 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:200 Resp: 1471

Ion	Ratio	Lower	Upper
200	100		
173	30.0	22.2	33.4
215	47.2	36.6	54.8

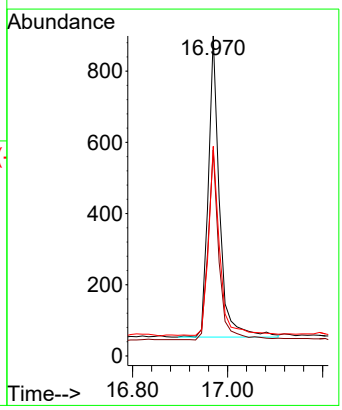


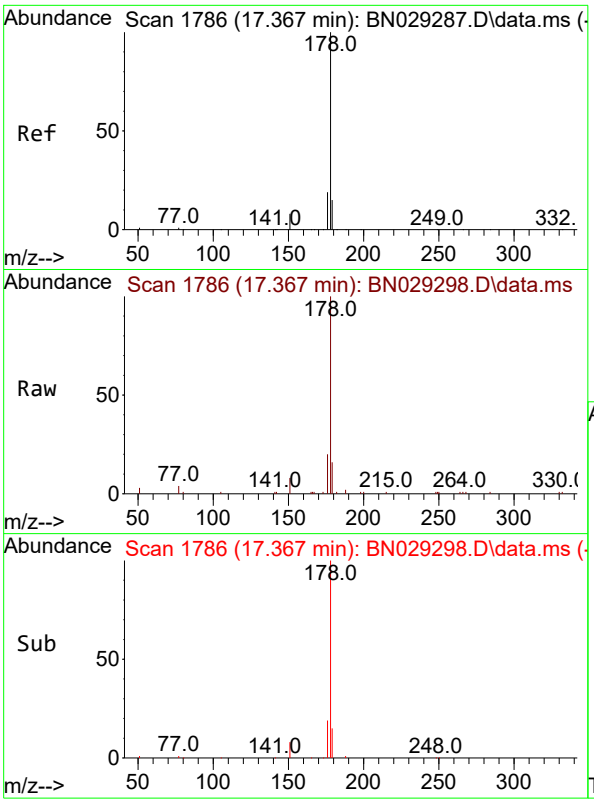


#24
Pentachlorophenol
Concen: 0.464 ng
RT: 16.970 min Scan# 1754
Delta R.T. -0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:266 Resp: 1396

Ion	Ratio	Lower	Upper
266	100		
264	61.0	48.3	72.5
268	62.2	47.7	71.5



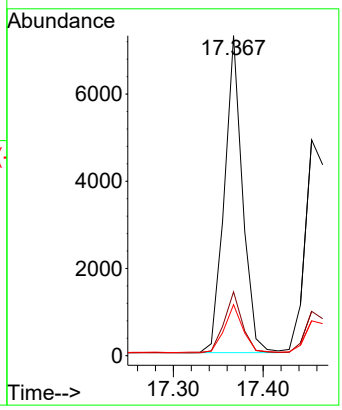


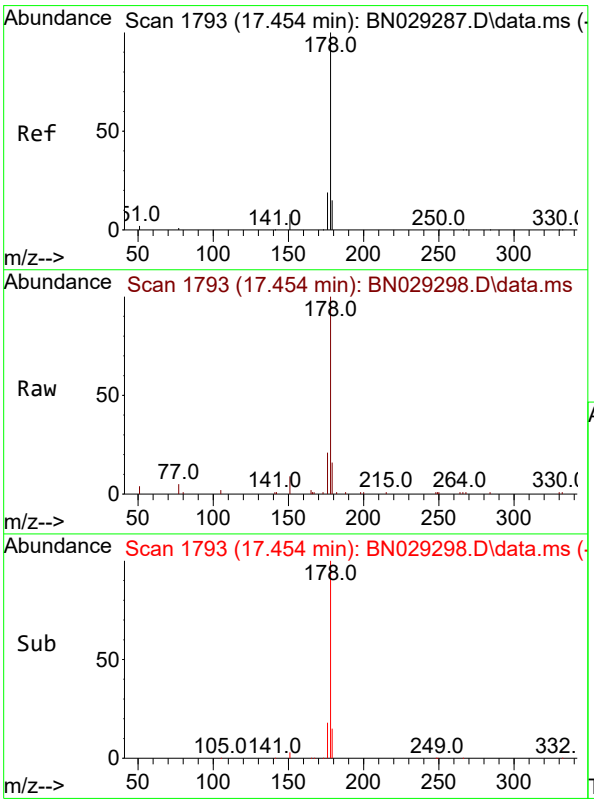
#25
Phenanthrene
Concen: 0.272 ng
RT: 17.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:178 Resp: 10186

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.3	18.5

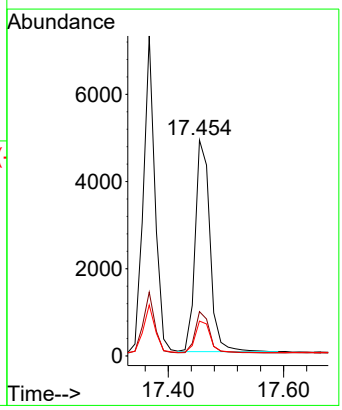


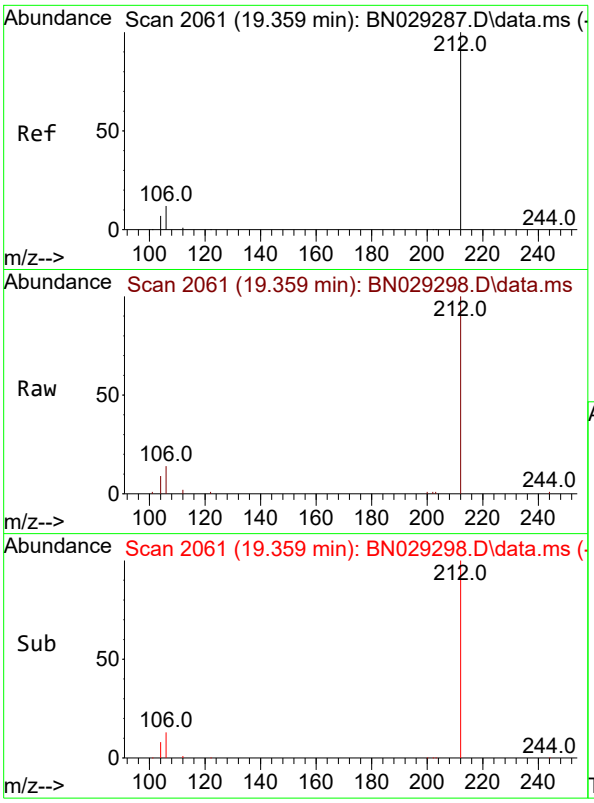


#26
Anthracene
Concen: 0.265 ng
RT: 17.454 min Scan# 1793
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:178 Resp: 8648

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.2	12.2	18.2



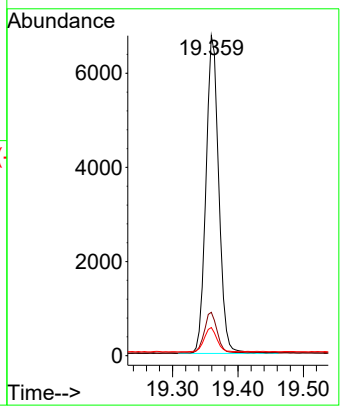


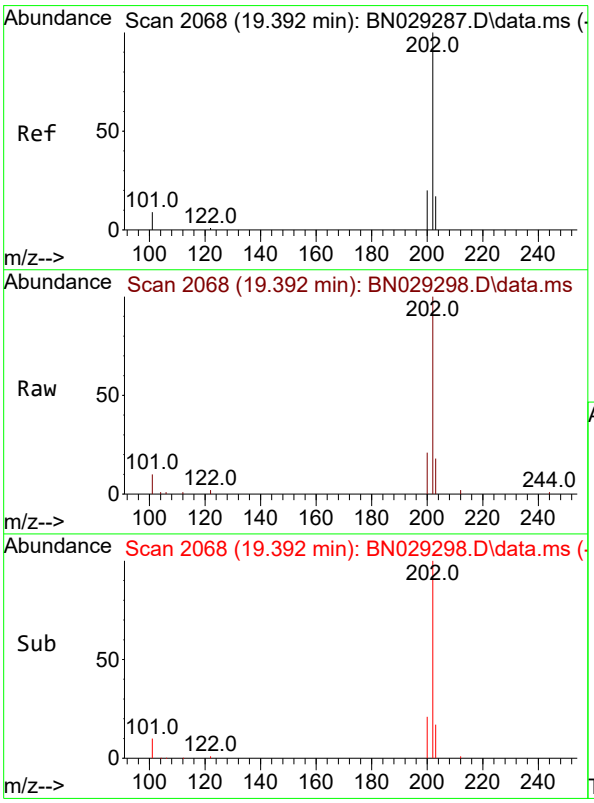
#27
Fluoranthene-d10
Concen: 0.271 ng
RT: 19.359 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:212 Resp: 9205

Ion	Ratio	Lower	Upper
212	100		
106	12.8	9.9	14.9
104	7.6	5.8	8.8

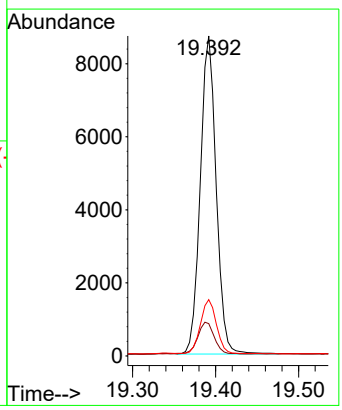


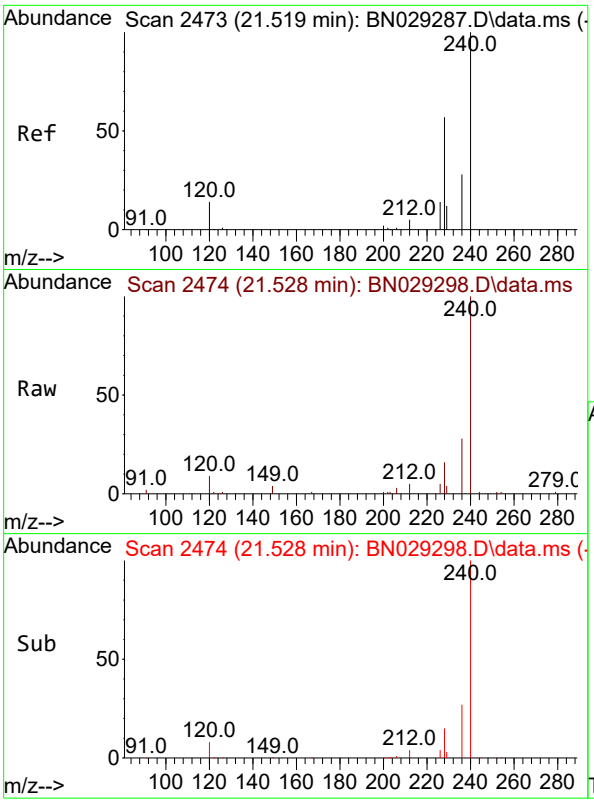


#28
Fluoranthene
Concen: 0.253 ng
RT: 19.392 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:202 Resp: 11607

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.1	12.1
203	17.1	13.8	20.6



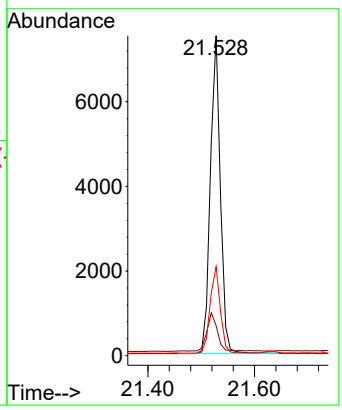


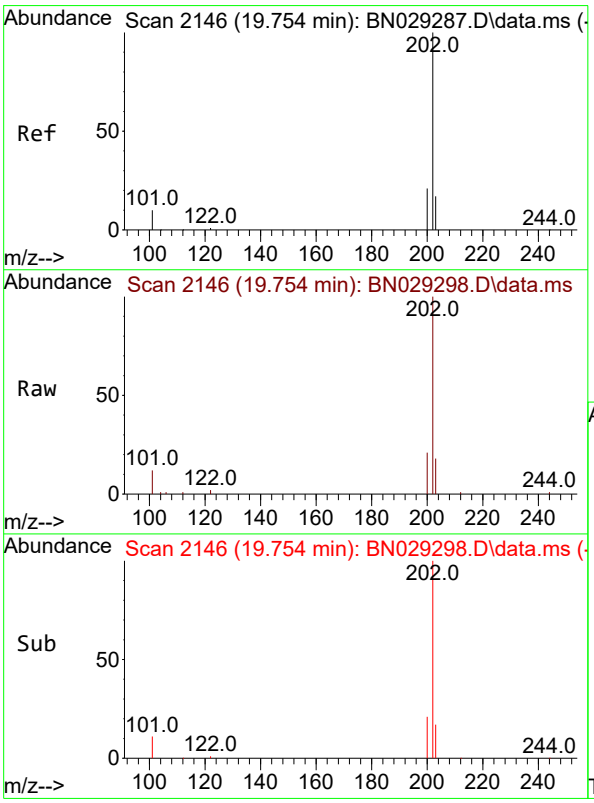
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.528 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:240 Resp: 9749

Ion	Ratio	Lower	Upper
240	100		
120	9.3	11.8	17.8#
236	27.8	22.7	34.1

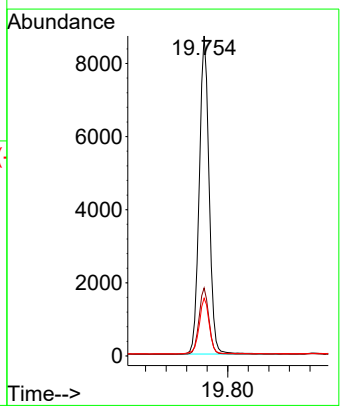


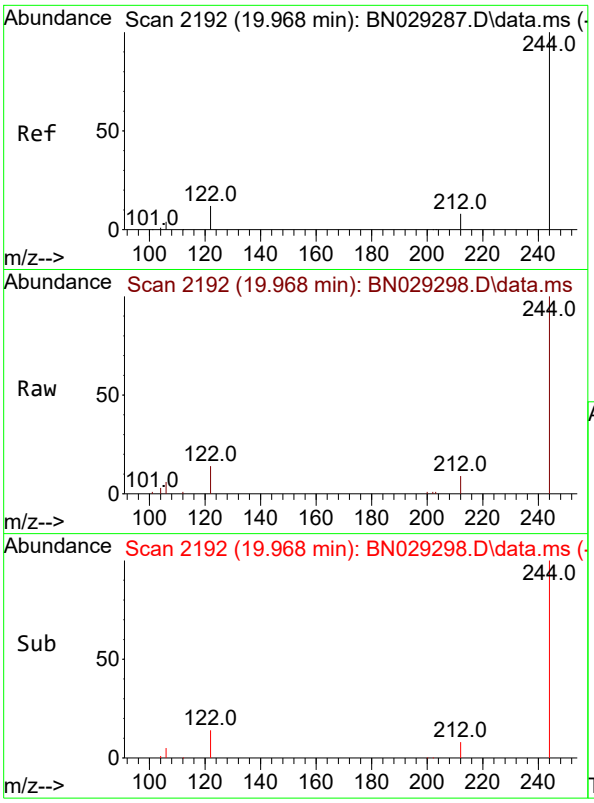


#30
Pyrene
Concen: 0.282 ng
RT: 19.754 min Scan# 2146
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:202 Resp: 11615

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.2	21.2



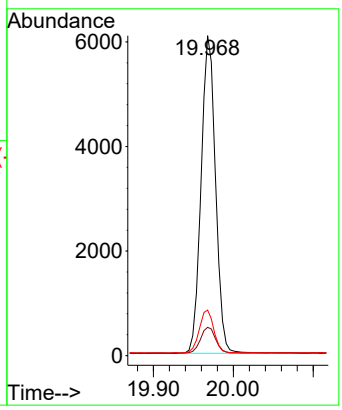


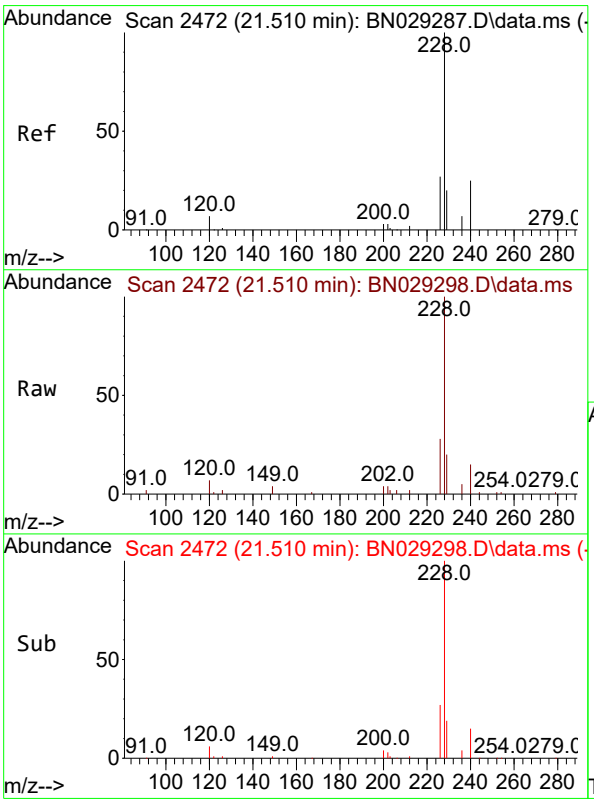
#31
Terphenyl-d14
Concen: 0.311 ng
RT: 19.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:244 Resp: 7596

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.4
122	14.3	10.2	15.4

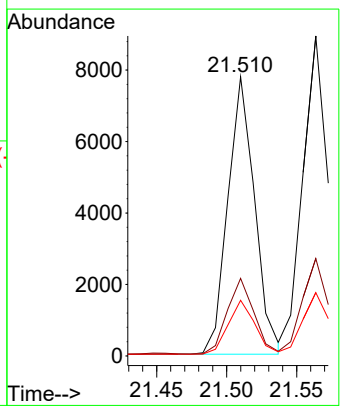


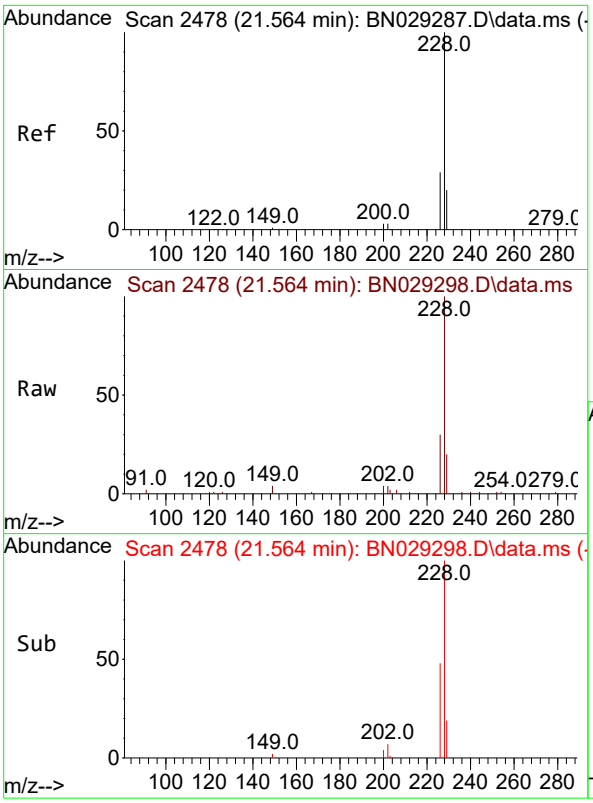


#32
Benzo(a)anthracene
Concen: 0.275 ng
RT: 21.510 min Scan# 2472
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:228 Resp: 10344

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	20.0	16.1	24.1



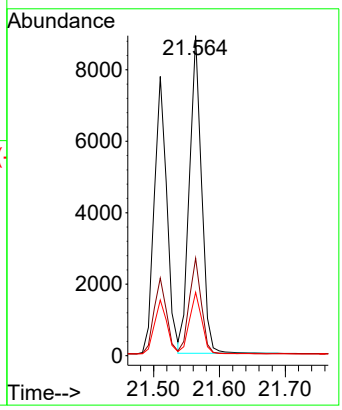


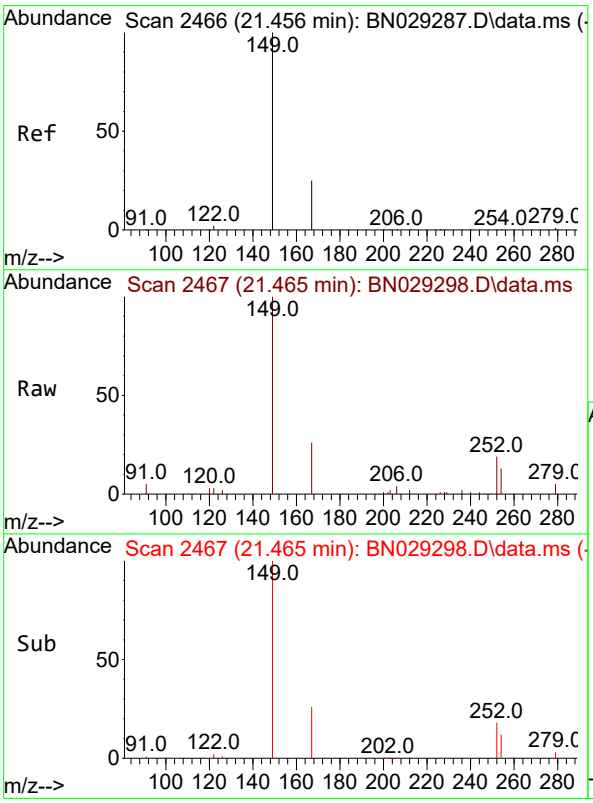
#33
Chrysene
Concen: 0.283 ng
RT: 21.564 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:228 Resp: 11366

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	19.8	15.8	23.8

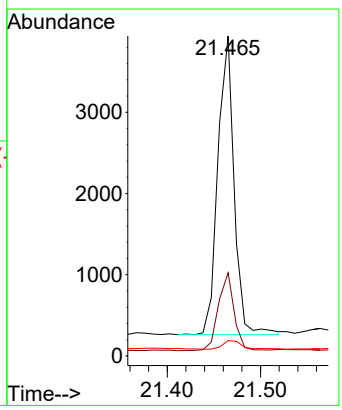


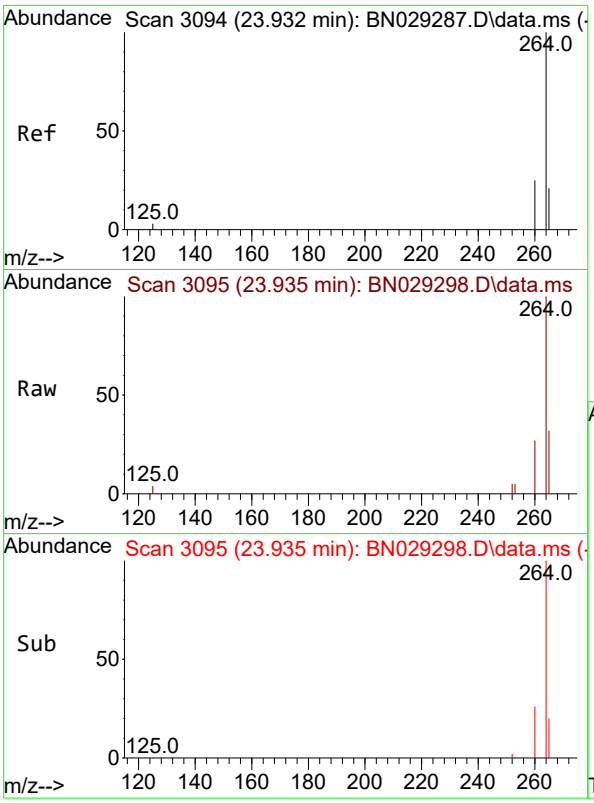


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.261 ng
RT: 21.465 min Scan# 2467
Delta R.T. 0.009 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:149 Resp: 4433

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.3	30.5
279	3.5	2.6	4.0



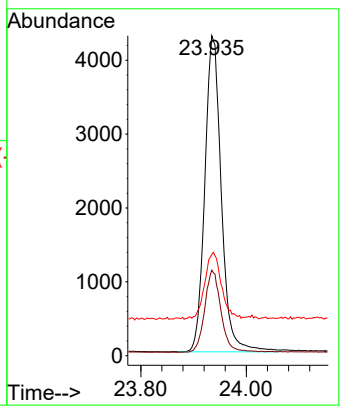


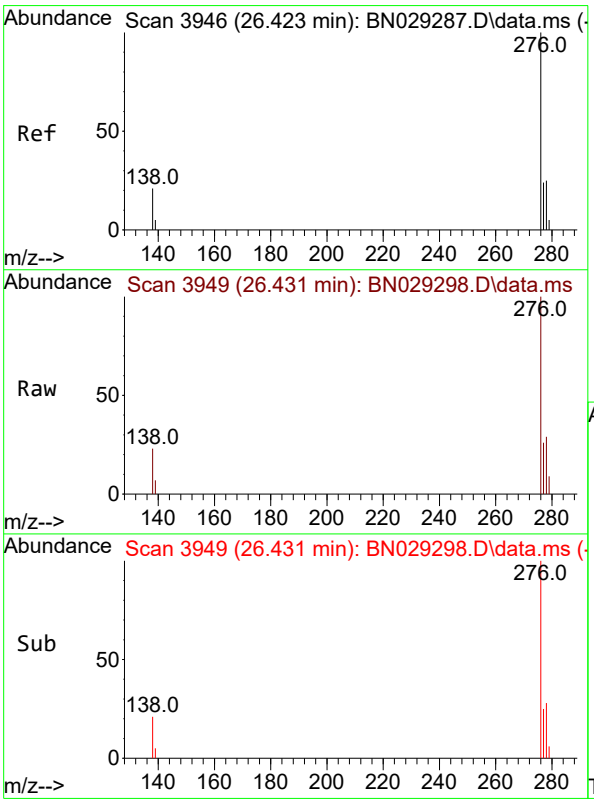
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.935 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:264 Resp: 9279

Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.7	31.1
265	31.6	21.4	32.0

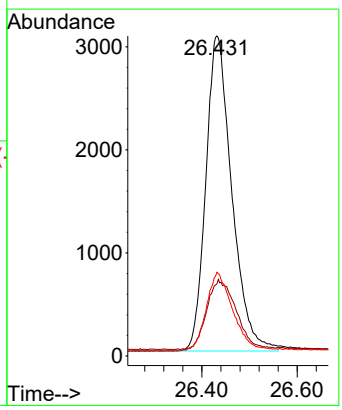


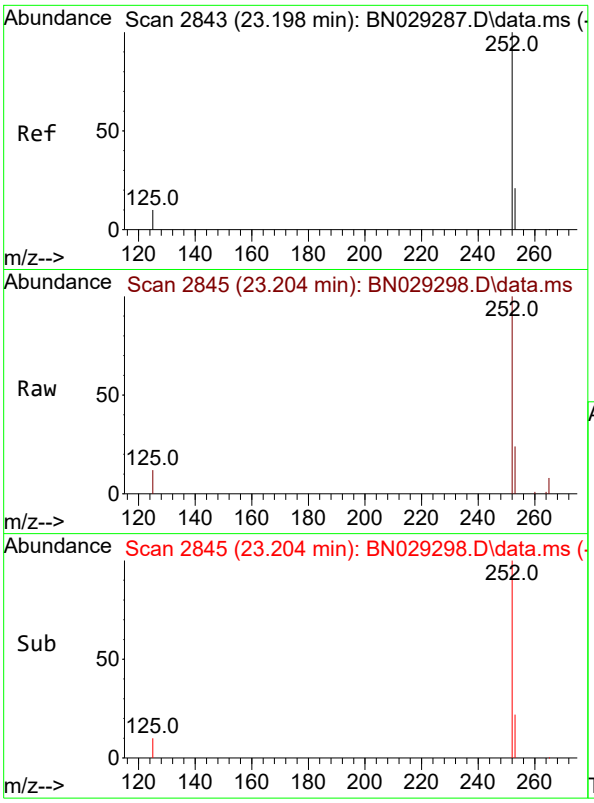


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.280 ng
RT: 26.431 min Scan# 3949
Delta R.T. 0.009 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:276 Resp: 11596

Ion	Ratio	Lower	Upper
276	100		
138	24.9	19.4	29.0
277	25.2	20.1	30.1



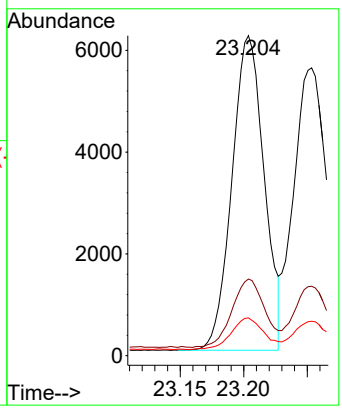


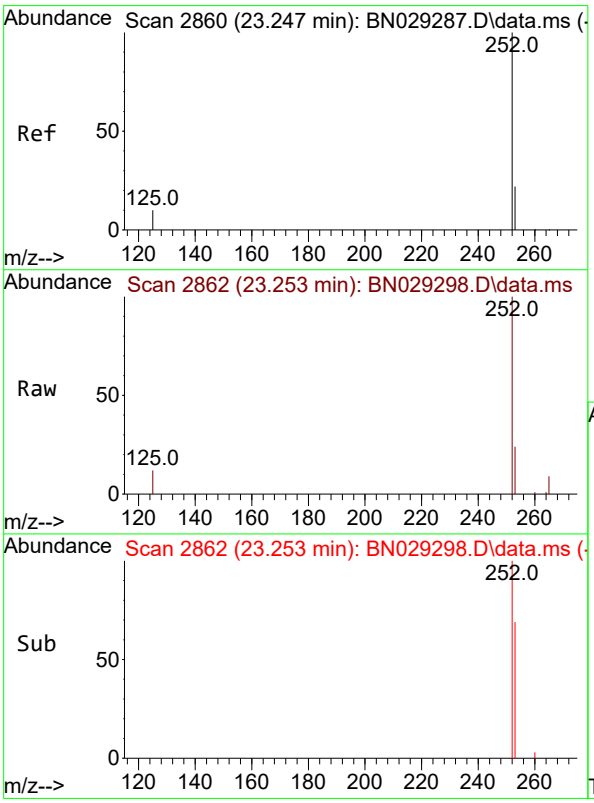
#37
Benzo(b)fluoranthene
Concen: 0.278 ng
RT: 23.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:252 Resp: 10884

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	11.8	8.3	12.5

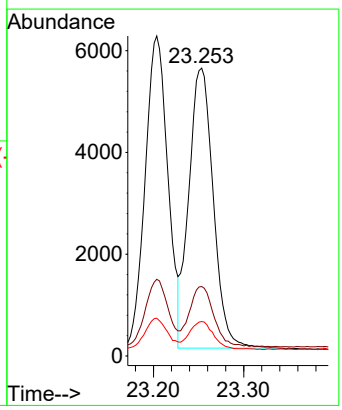


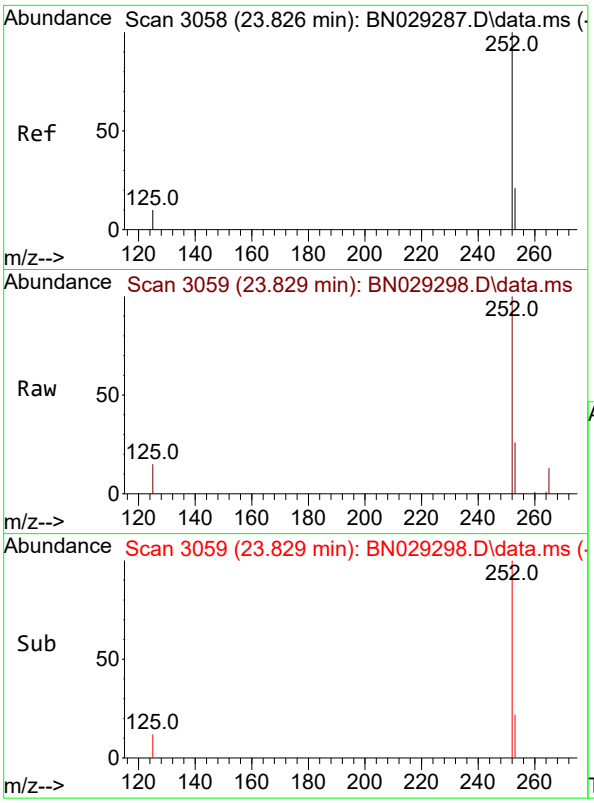


#38
Benzo(k)fluoranthene
Concen: 0.273 ng
RT: 23.253 min Scan# 2862
Delta R.T. 0.006 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:252 Resp: 10351

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	11.9	8.6	13.0



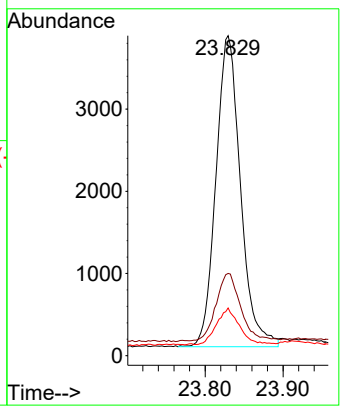


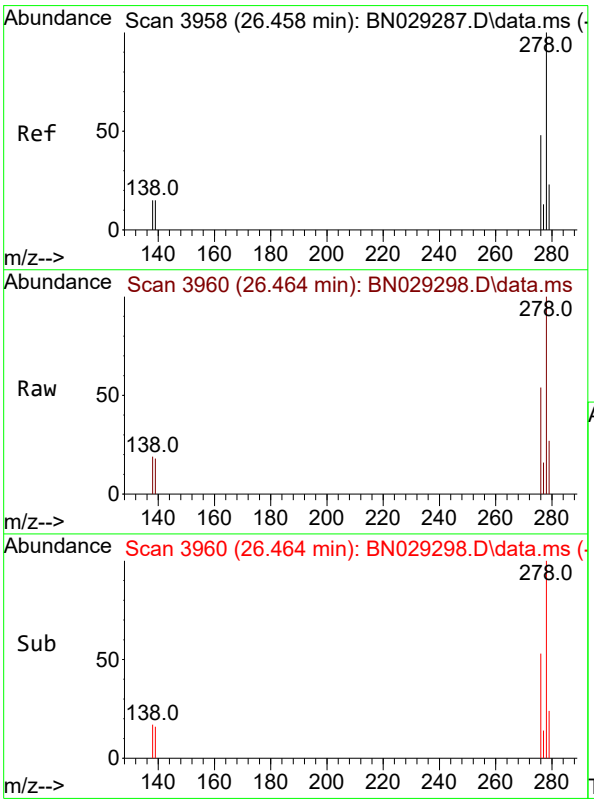
#39
Benzo(a)pyrene
Concen: 0.264 ng
RT: 23.829 min Scan# 3
Delta R.T. 0.003 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:252 Resp: 8303

Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.7	28.1
125	14.9	9.4	14.2#

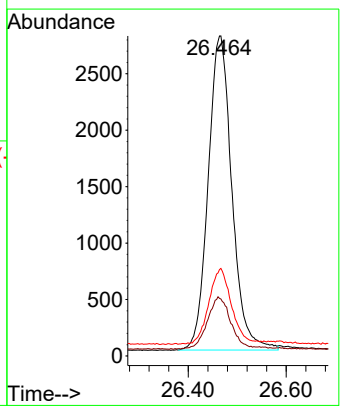


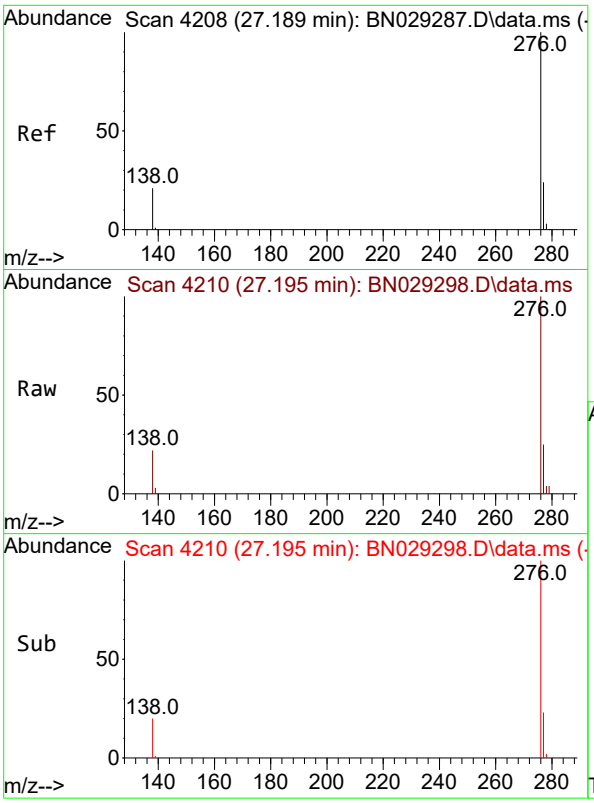


#40
Dibenzo(a,h)anthracene
Concen: 0.280 ng
RT: 26.464 min Scan# 3960
Delta R.T. 0.006 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Tgt Ion:278 Resp: 9371

Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.0	19.6
279	27.0	19.6	29.4





#41
Benzo(g,h,i)perylene
Concen: 0.283 ng
RT: 27.195 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN029298.D
Acq: 19 Jan 2024 11:04

Instrument :
BNA_N
ClientSampleId :
PB158451BS

Tgt Ion:276 Resp: 10015

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.2
138	22.2	17.2	25.8