Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020524\
Data File : BN029508.D
Acq On : 05 Feb 2024 15:10
Operator : MA/JU
Sample : PB158803BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Quant Time: Feb 05 15:36:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 01:51:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	5522	0.400	ng	0.00
7) Naphthalene-d8	10.690	136	14807	0.400	ng	0.00
13) Acenaphthene-d10	14.532	164	6304	0.400	ng	0.00
19) Phenanthrene-d10	17.280	188	10731	0.400	ng	0.00
29) Chrysene-d12	21.483	240	5872	0.400	ng	0.00
35) Perylene-d12	23.870	264	5428	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.464	112	4991	0.376	ng	0.00
5) Phenol-d6	7.060	99	5924	0.387	ng	0.00
8) Nitrobenzene-d5	9.057	82	4054	0.329	ng	0.00
11) 2-Methylnaphthalene-d10	12.284	152	8467	0.420	ng	0.00
14) 2,4,6-Tribromophenol	16.026	330	588	0.291	ng	0.00
15) 2-Fluorobiphenyl	13.164	172	9355	0.346	ng	0.00
27) Fluoranthene-d10	19.317	212	7061	0.272	ng	0.00
31) Terphenyl-d14	19.926	244	4915	0.337	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.376	88	2511	0.323	ng	# 41
3) n-Nitrosodimethylamine	3.709	42	1886	0.298	ng	# 86
6) bis(2-Chloroethyl)ether	7.327	93	4906	0.336	ng	98
9) Naphthalene	10.744	128	12920	0.306	ng	99
10) Hexachlorobutadiene	11.021	225	2329	0.291	ng	# 100
12) 2-Methylnaphthalene	12.355	142	7342	0.296	ng	100
16) Acenaphthylene	14.254	152	9629	0.322	ng	100
17) Acenaphthene	14.596	154	6134	0.305	ng	99
18) Fluorene	15.580	166	7253	0.288	ng	99
20) 4,6-Dinitro-2-methylph...	15.666	198	449	0.285	ng	# 67
21) 4-Bromophenyl-phenylether	16.486	248	1986	0.311	ng	# 69
22) Hexachlorobenzene	16.585	284	2395	0.306	ng	99
23) Atrazine	16.759	200	1349	0.297	ng	99
24) Pentachlorophenol	16.933	266	761	0.306	ng	98
25) Phenanthrene	17.317	178	10019	0.316	ng	99
26) Anthracene	17.417	178	8272	0.306	ng	100
28) Fluoranthene	19.350	202	8869	0.249	ng	99
30) Pyrene	19.712	202	9324	0.345	ng	99
32) Benzo(a)anthracene	21.474	228	6323	0.315	ng	99
33) Chrysene	21.519	228	6728	0.295	ng	100
34) Bis(2-ethylhexyl)phtha...	21.420	149	3941	0.288	ng	98
36) Indeno(1,2,3-cd)pyrene	26.332	276	7023	0.322	ng	# 82
37) Benzo(b)fluoranthene	23.145	252	6151	0.317	ng	93
38) Benzo(k)fluoranthene	23.192	252	6058	0.298	ng	# 90
39) Benzo(a)pyrene	23.762	252	5416	0.320	ng	# 89
40) Dibenzo(a,h)anthracene	26.358	278	5550	0.319	ng	98
41) Benzo(g,h,i)perylene	27.077	276	6515	0.308	ng	96

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

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Data File : BN029508.D
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Instrument :
BNA_N
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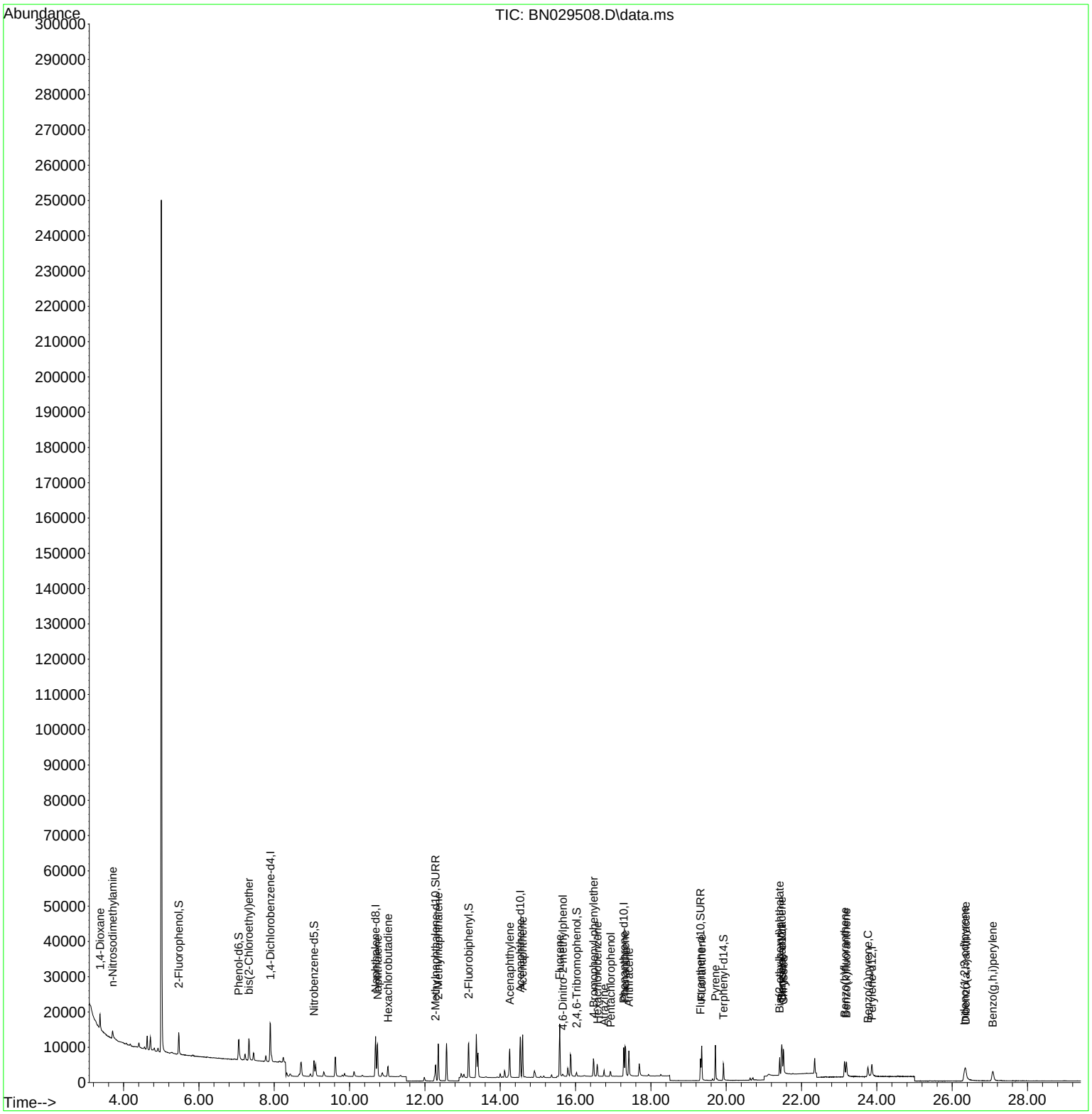
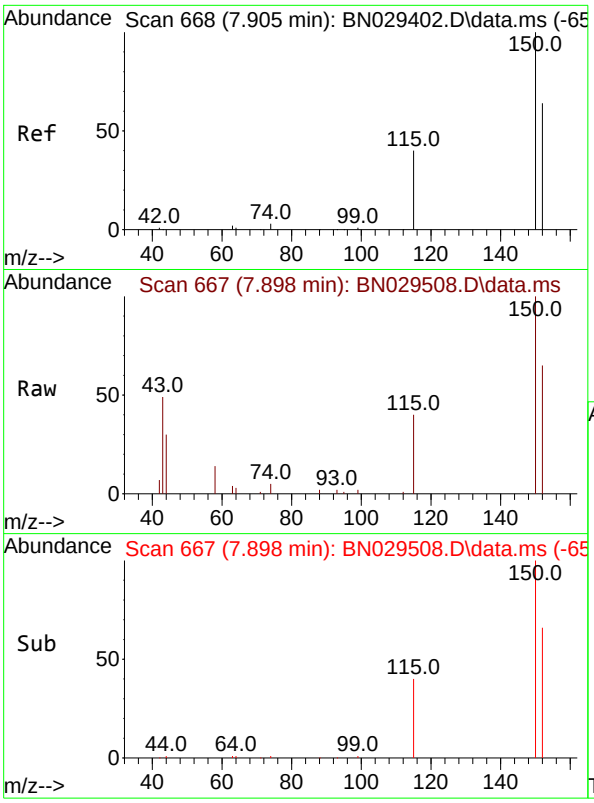
Quant Time: Feb 05 15:36:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 01:51:59 2024
Response via : Initial Calibration



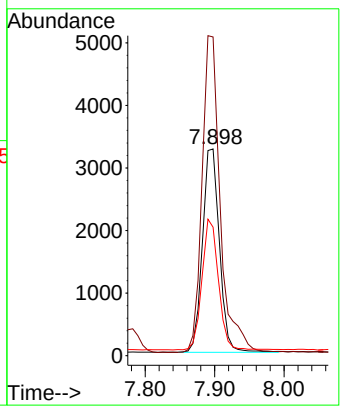


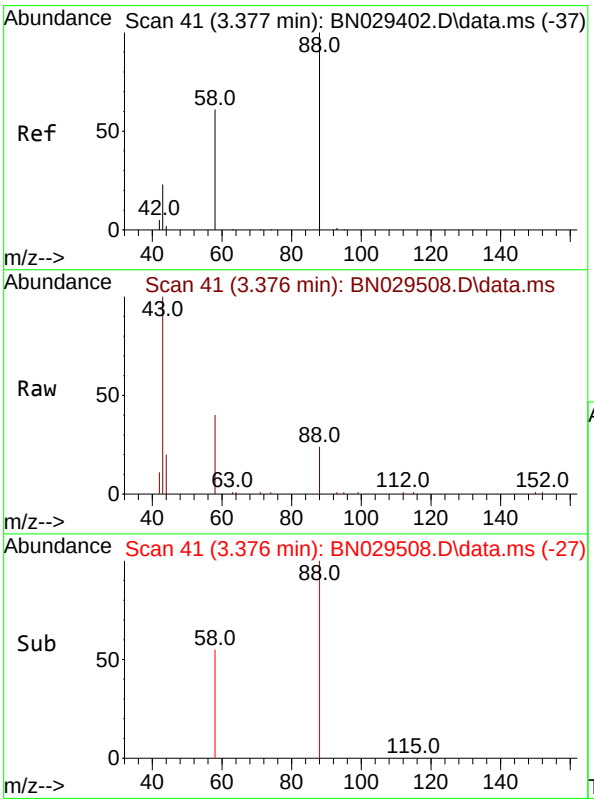
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.898 min Scan# 6
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:152 Resp: 5522

Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.0	184.4
115	62.2	51.4	77.0

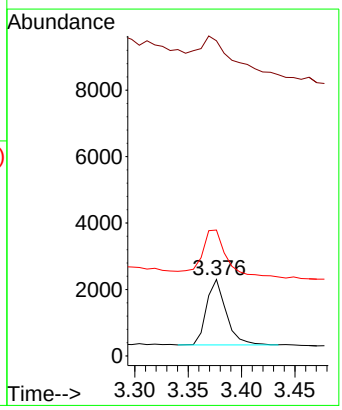


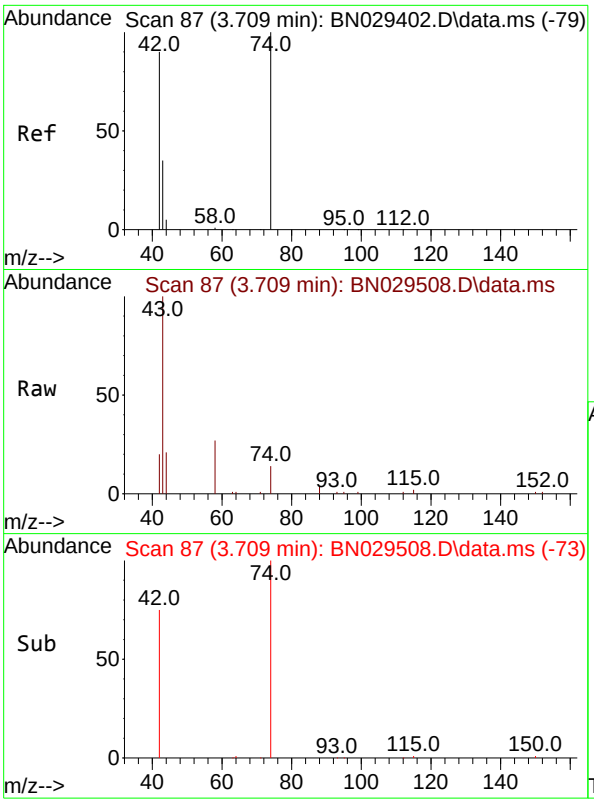


#2
1,4-Dioxane
Concen: 0.323 ng
RT: 3.376 min Scan# 41
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion: 88 Resp: 2511

Ion	Ratio	Lower	Upper
88	100		
43	99.7	23.3	34.9#
58	89.5	53.8	80.6#



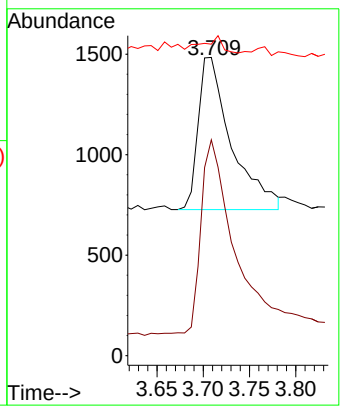


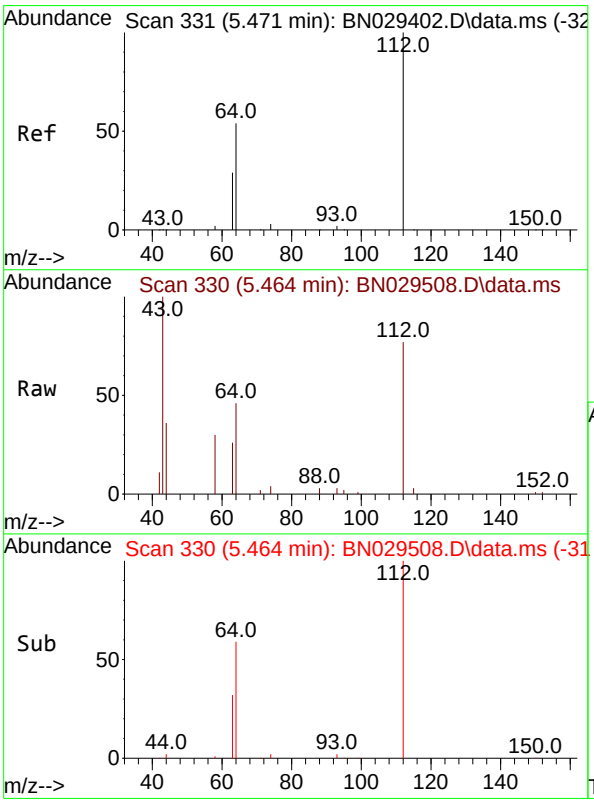
#3
n-Nitrosodimethylamine
Concen: 0.298 ng
RT: 3.709 min Scan# 8
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion: 42 Resp: 1886

Ion	Ratio	Lower	Upper
42	100		
74	131.6	93.7	140.5
44	7.1	13.0	19.4#

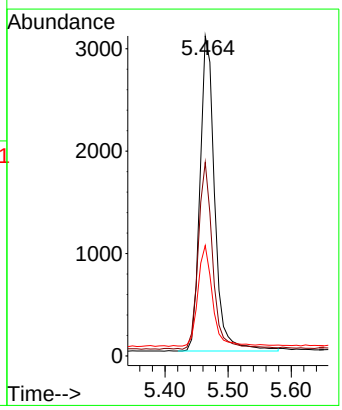


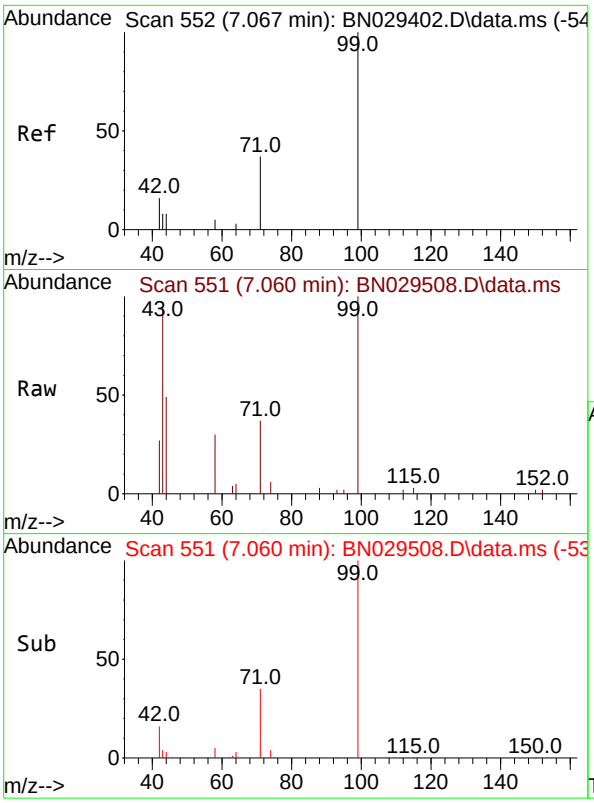


#4
2-Fluorophenol
Concen: 0.376 ng
RT: 5.464 min Scan# 330
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:112 Resp: 4991

Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.2	70.8
63	31.9	25.8	38.6



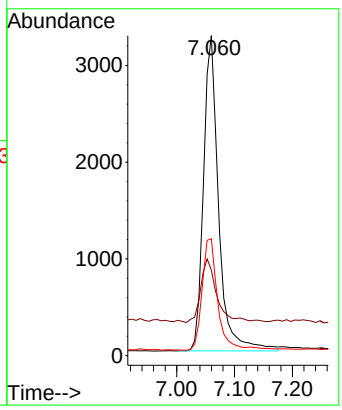


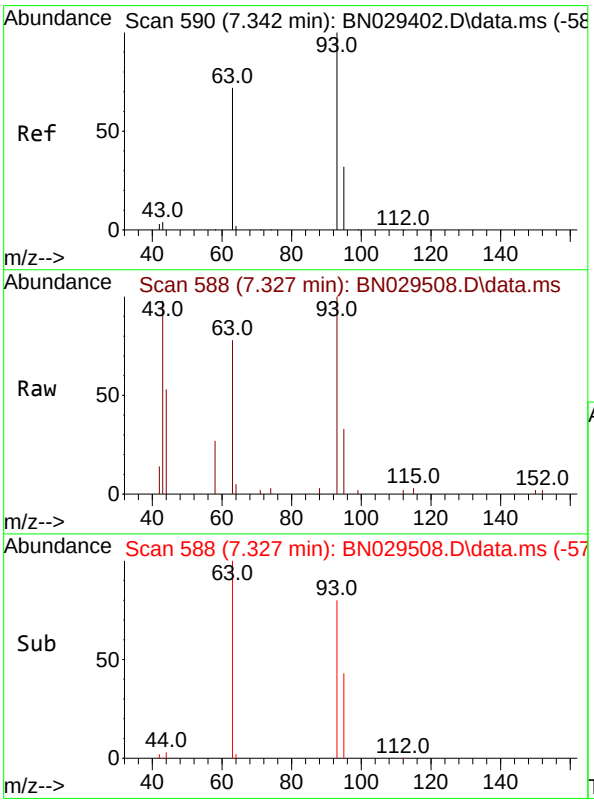
#5
Phenol-d6
Concen: 0.387 ng
RT: 7.060 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion: 99 Resp: 5924

Ion	Ratio	Lower	Upper
99	100		
42	21.9	16.9	25.3
71	36.8	30.0	45.0

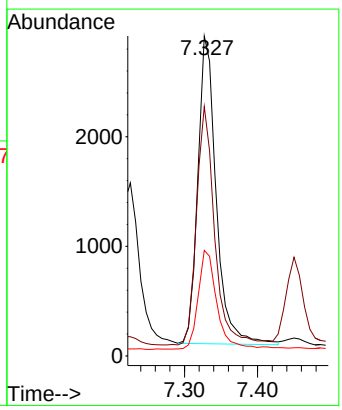


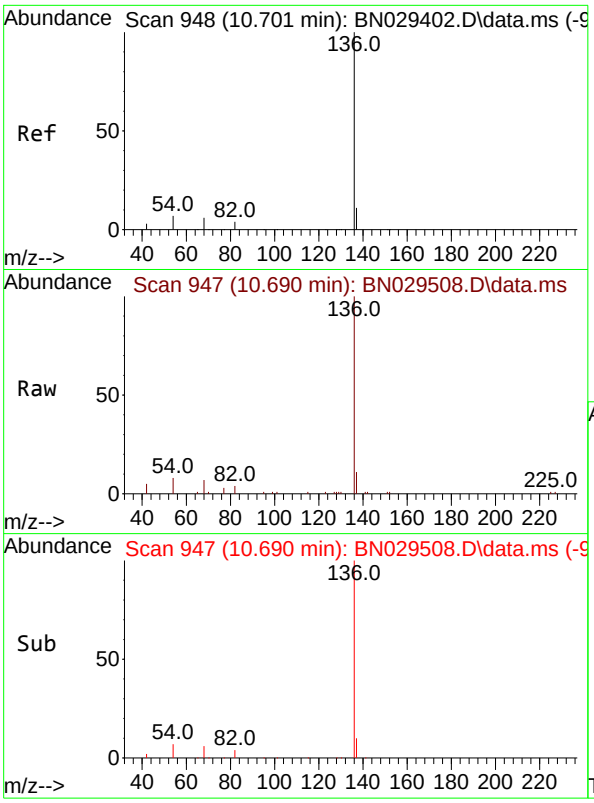


#6
bis(2-Chloroethyl)ether
Concen: 0.336 ng
RT: 7.327 min Scan# 588
Delta R.T. -0.007 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion: 93 Resp: 4906

Ion	Ratio	Lower	Upper
93	100		
63	76.3	63.1	94.7
95	33.1	27.1	40.7



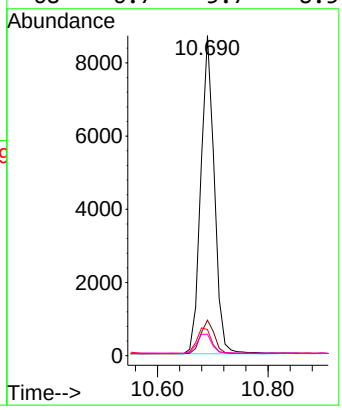


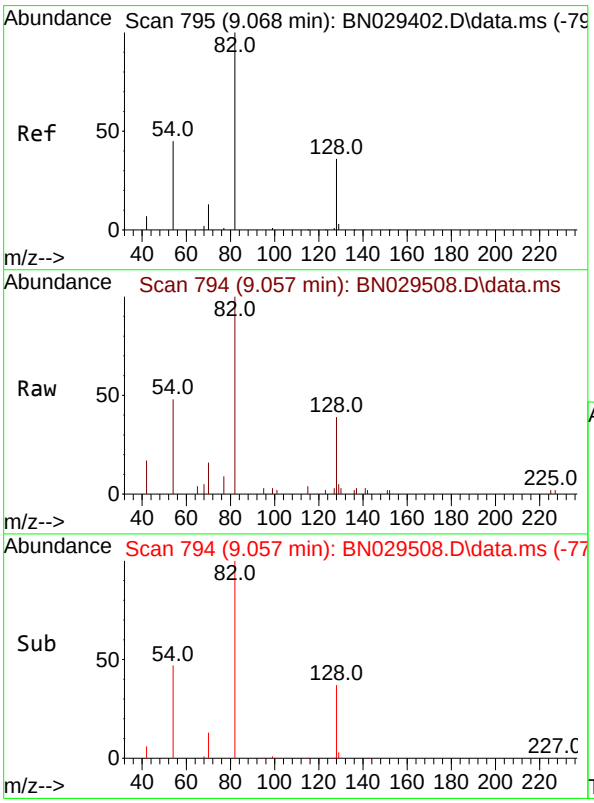
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:136 Resp: 14807

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.7	14.5
54	8.2	6.6	10.0
68	6.7	5.7	8.5

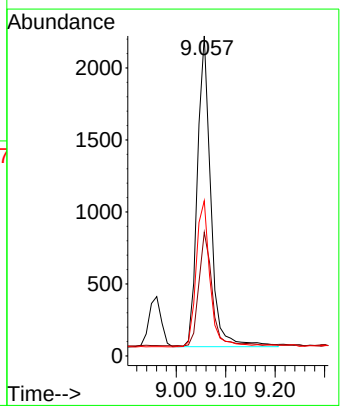


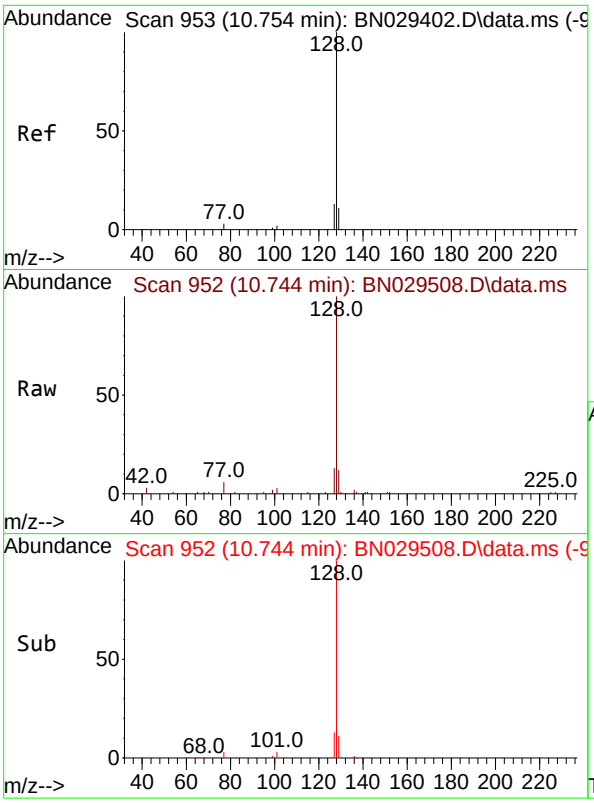


#8
Nitrobenzene-d5
Concen: 0.329 ng
RT: 9.057 min Scan# 794
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion: 82 Resp: 4054

Ion	Ratio	Lower	Upper
82	100		
128	38.7	31.6	47.4
54	48.5	38.2	57.4



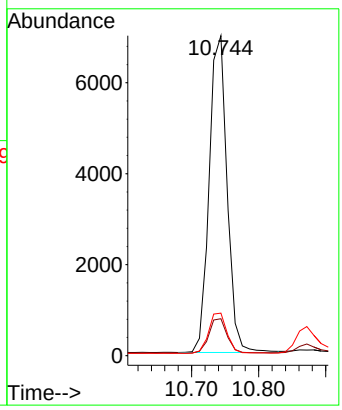


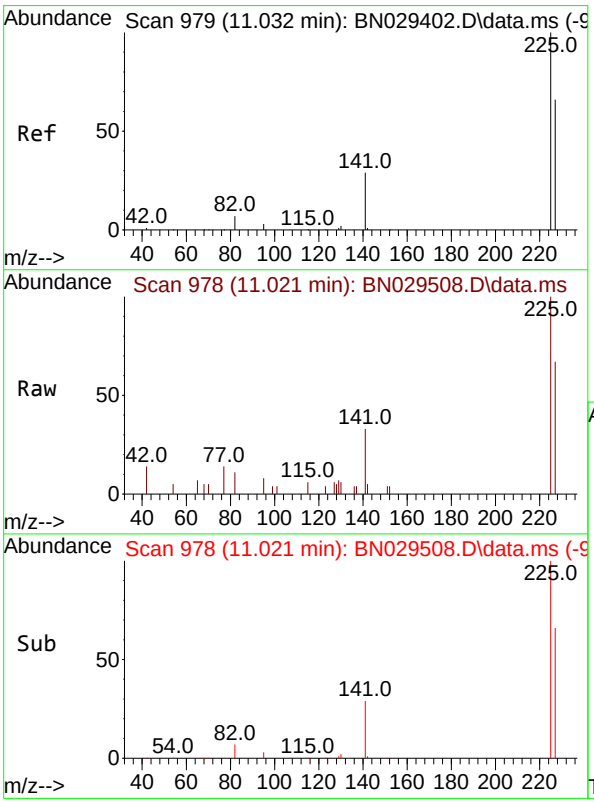
#9
Naphthalene
Concen: 0.306 ng
RT: 10.744 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:128 Resp: 12920

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.5	14.3
127	13.3	10.8	16.2

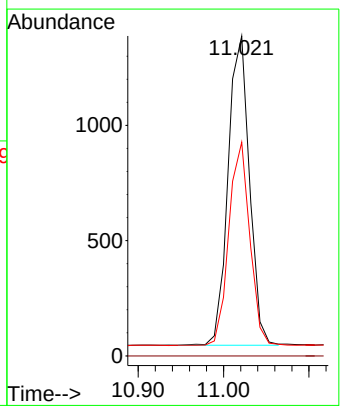


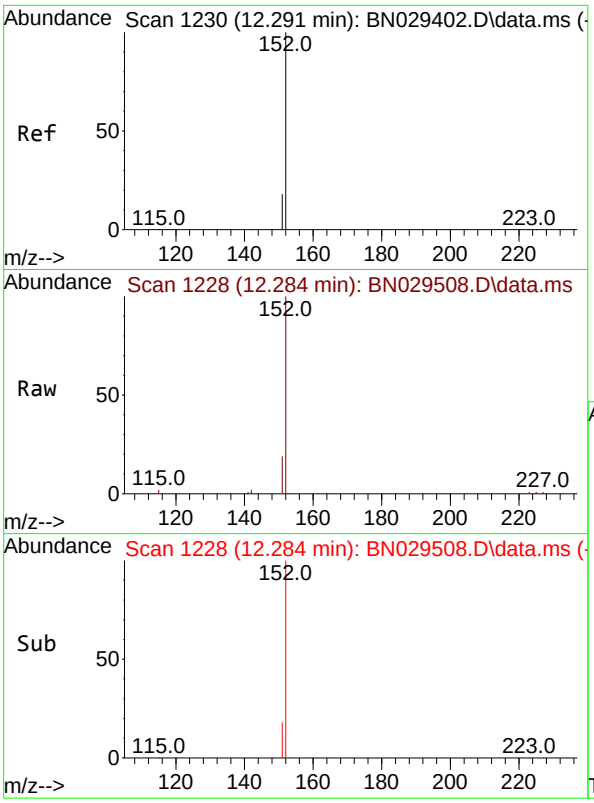


#10
Hexachlorobutadiene
Concen: 0.291 ng
RT: 11.021 min Scan# 978
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:225 Resp: 2329

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.2	51.1	76.7



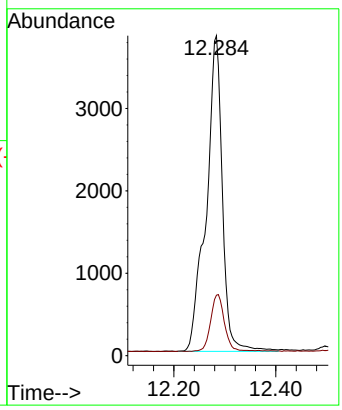


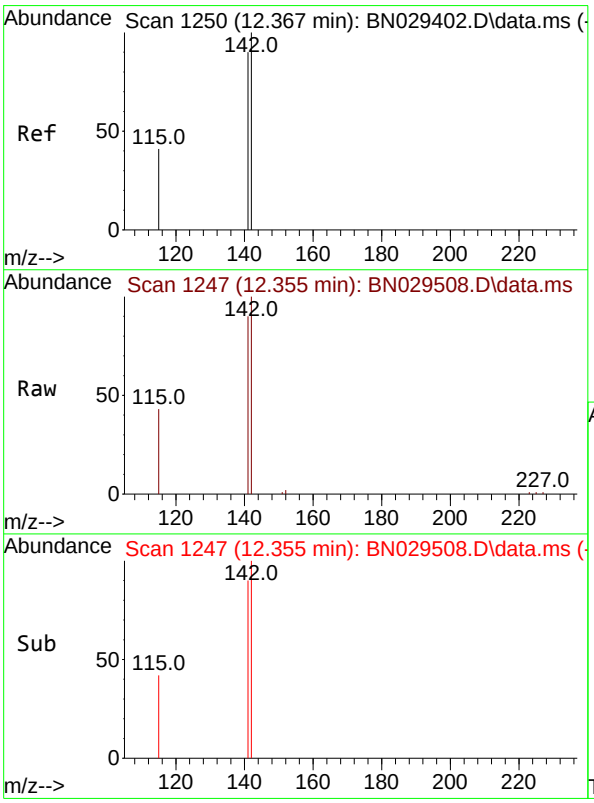
#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 12.284 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:152 Resp: 8467

Ion	Ratio	Lower	Upper
152	100		
151	15.3	17.1	25.7#

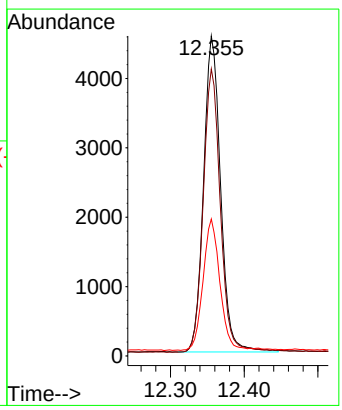


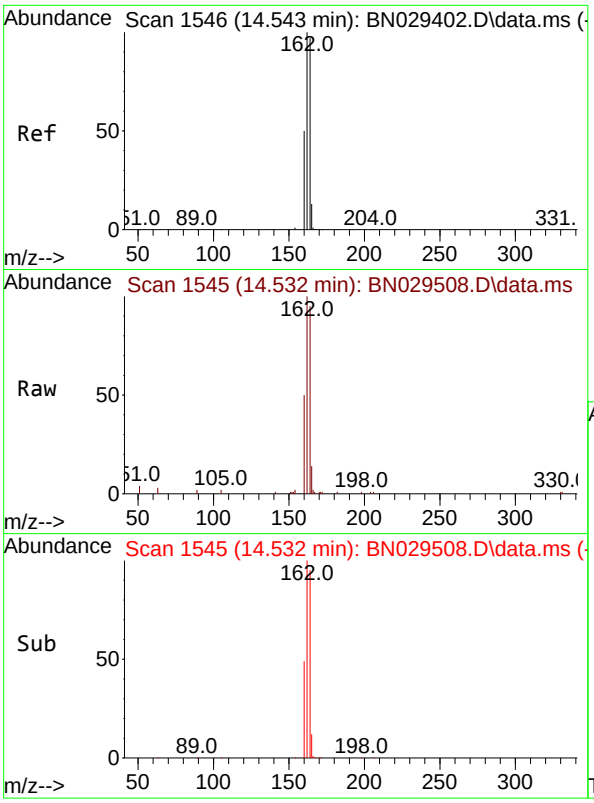


#12
2-Methylnaphthalene
Concen: 0.296 ng
RT: 12.355 min Scan# 1247
Delta R.T. -0.004 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:142 Resp: 7342

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.9	107.9
115	42.8	33.9	50.9



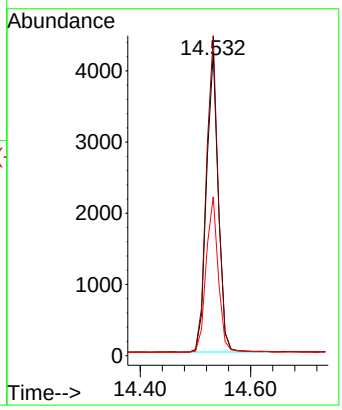


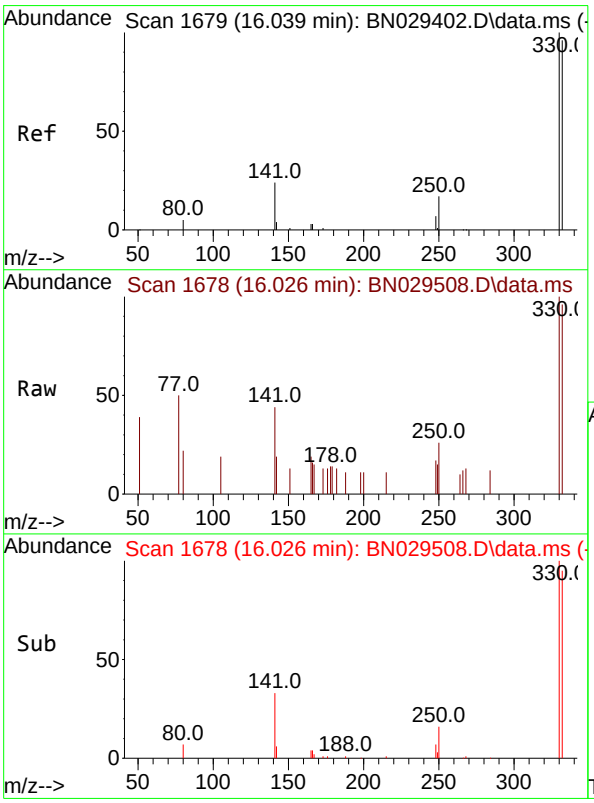
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:164 Resp: 6304

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.6	123.8
160	52.4	41.5	62.3

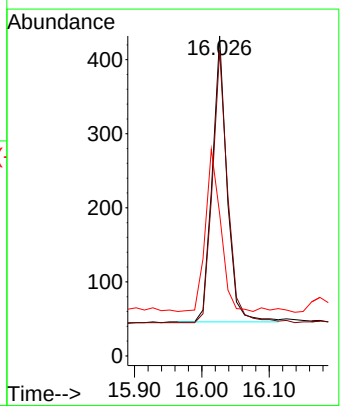


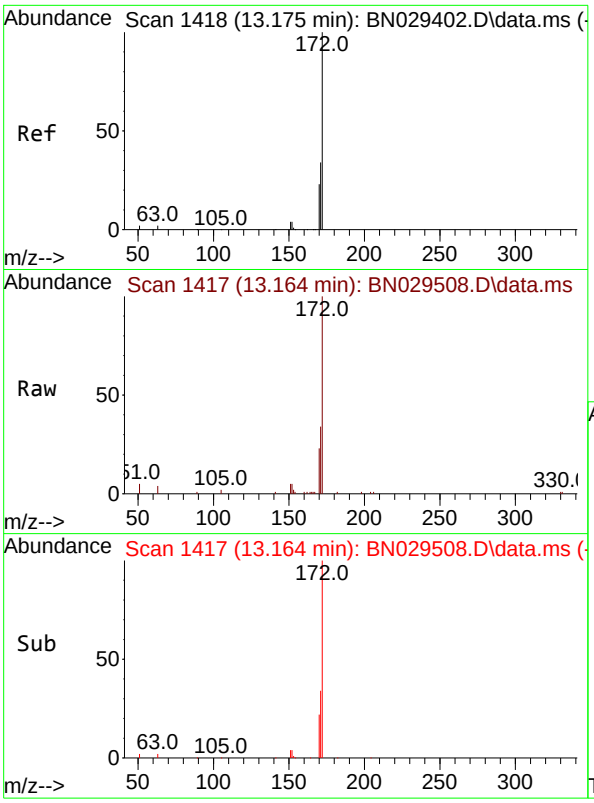


#14
2,4,6-Tribromophenol
Concen: 0.291 ng
RT: 16.026 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:330 Resp: 588

Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.0	114.0
141	58.3	43.4	65.2



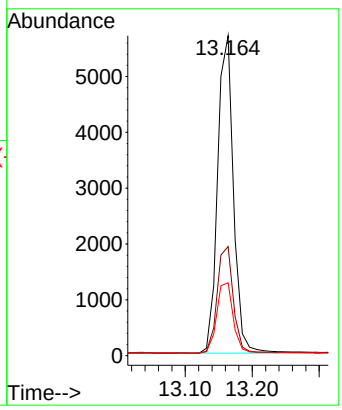


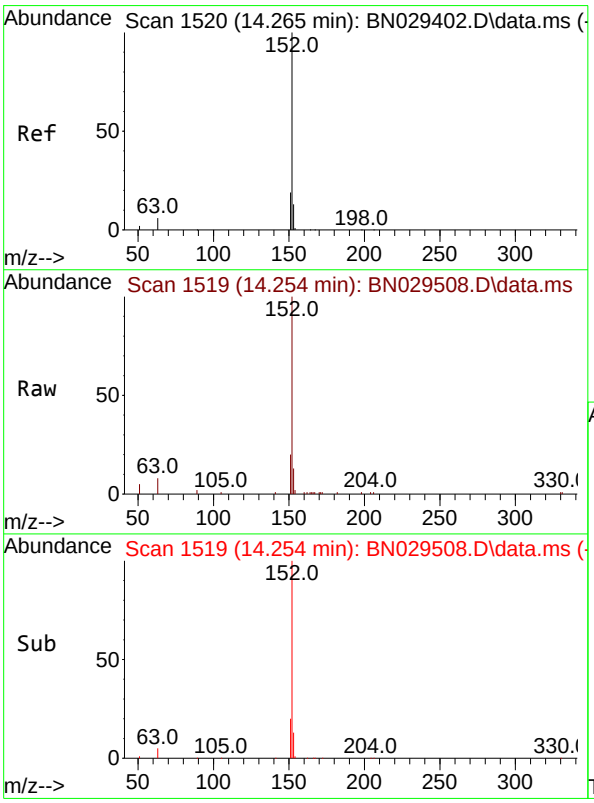
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 13.164 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:172 Resp: 9355

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.0	42.0
170	22.8	18.7	28.1

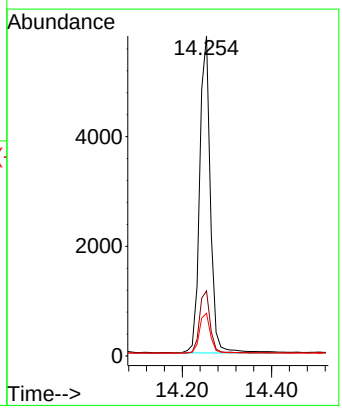


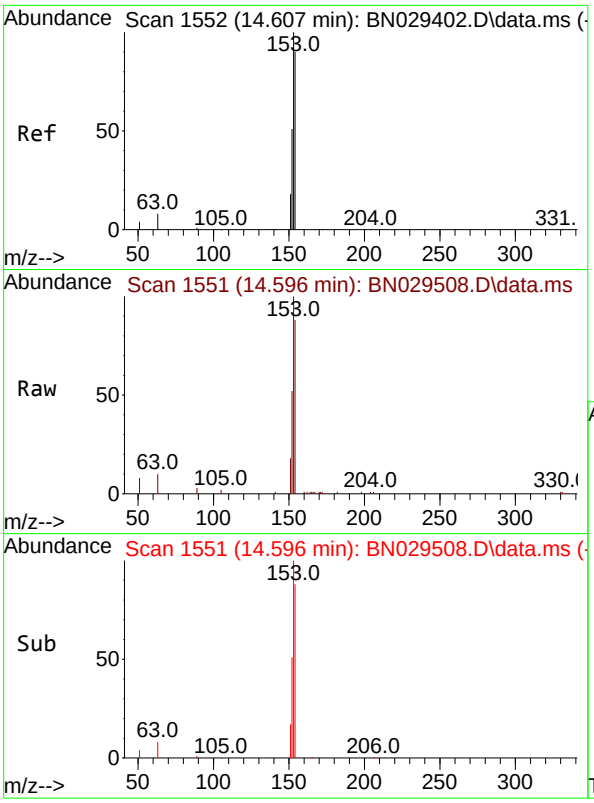


#16
Acenaphthylene
Concen: 0.322 ng
RT: 14.254 min Scan# 1519
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:152 Resp: 9629

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.9	10.5	15.7



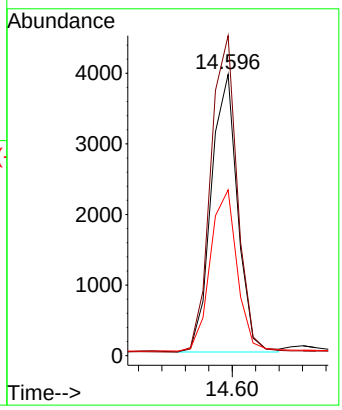


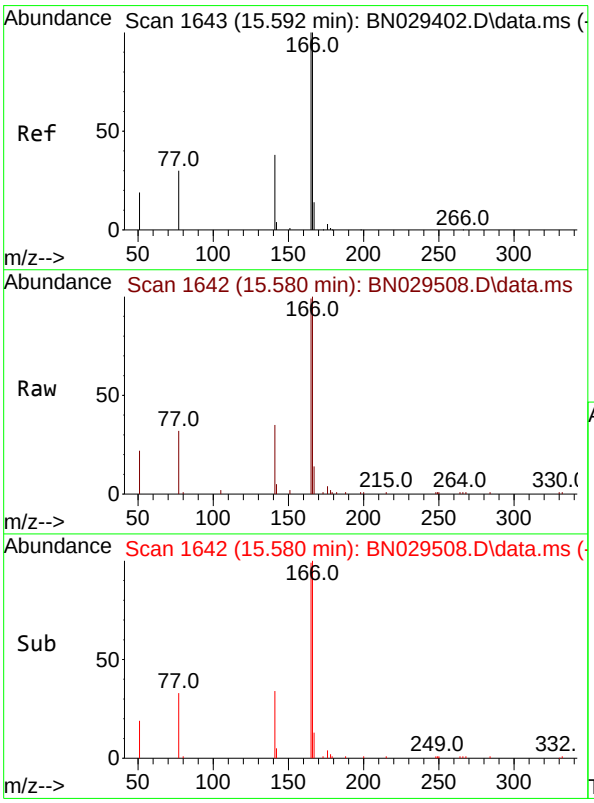
#17
Acenaphthene
Concen: 0.305 ng
RT: 14.596 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:154 Resp: 6134

Ion	Ratio	Lower	Upper
154	100		
153	115.3	93.6	140.4
152	60.0	48.6	73.0

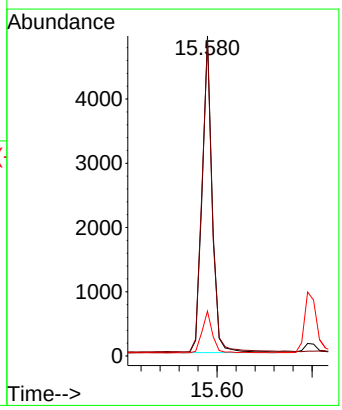


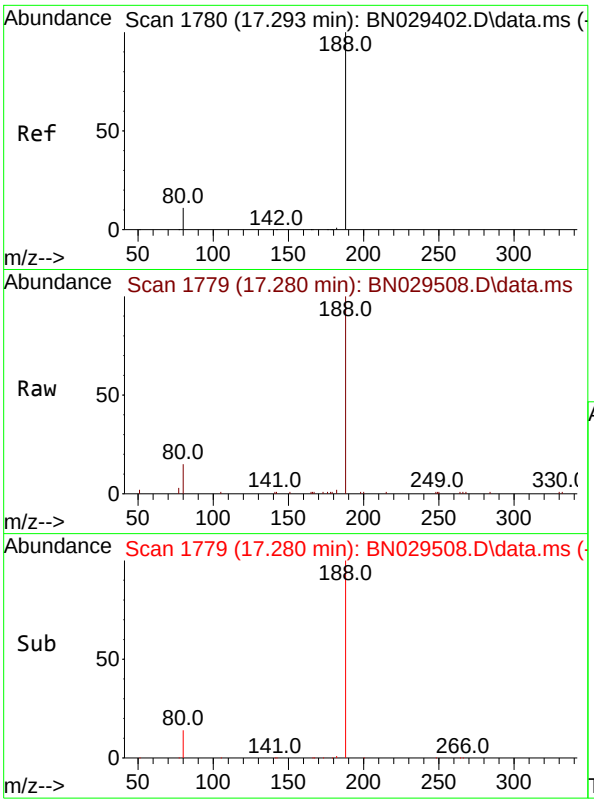


#18
Fluorene
Concen: 0.288 ng
RT: 15.580 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:166 Resp: 7253

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.9	119.9
167	13.6	11.3	16.9



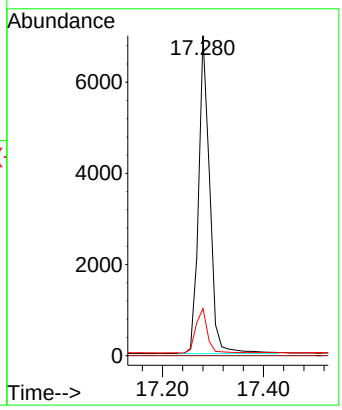


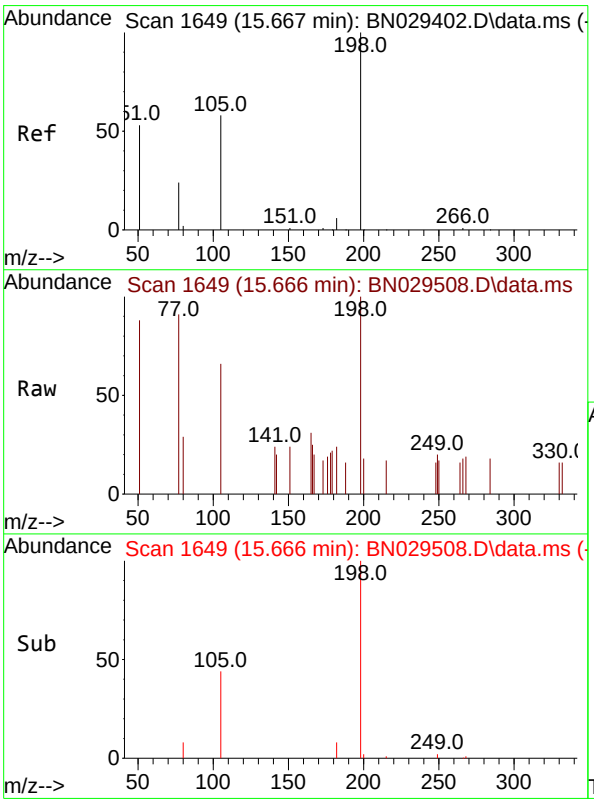
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:188 Resp: 10731

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.8	10.0	15.0

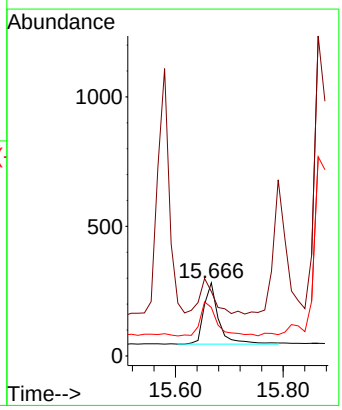


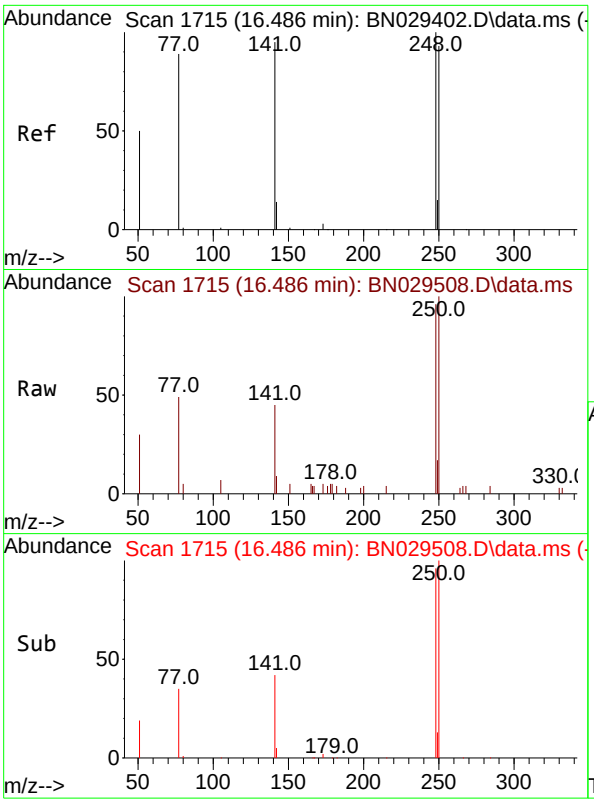


#20
4,6-Dinitro-2-methylphenol
Concen: 0.285 ng
RT: 15.666 min Scan# 1649
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:198 Resp: 449

Ion	Ratio	Lower	Upper
198	100		
51	88.3	111.0	166.6#
105	66.3	67.0	100.6#



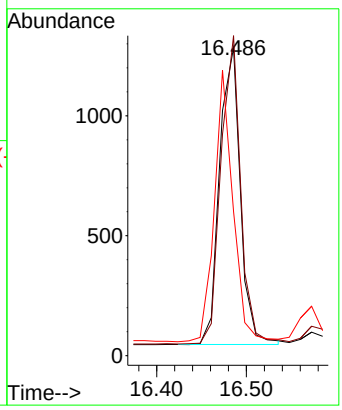


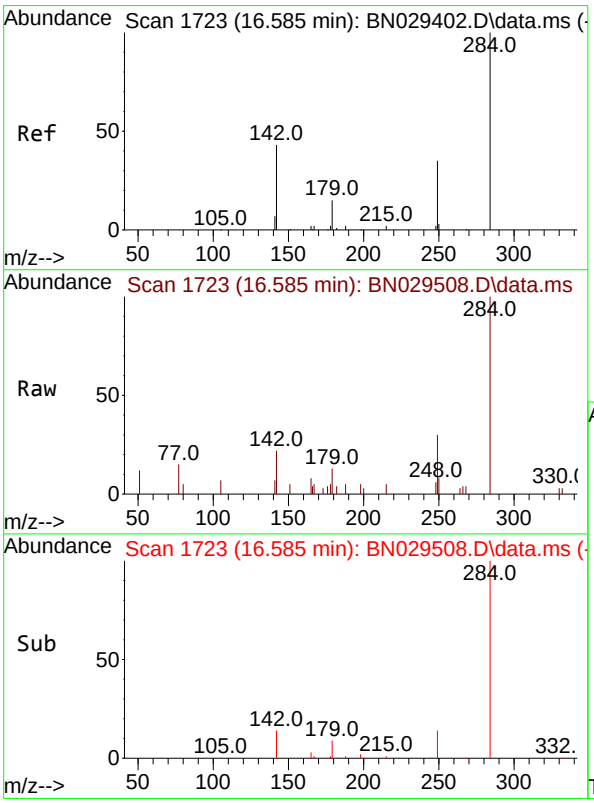
#21
4-Bromophenyl-phenylether
Concen: 0.311 ng
RT: 16.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:248 Resp: 1986

Ion	Ratio	Lower	Upper
248	100		
250	103.9	75.0	112.4
141	46.8	77.0	115.6#

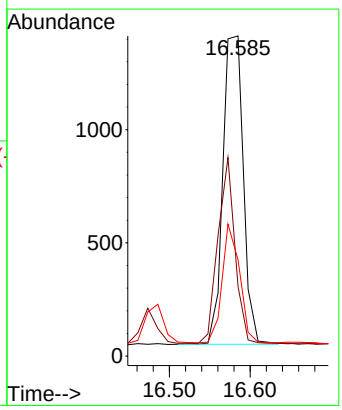


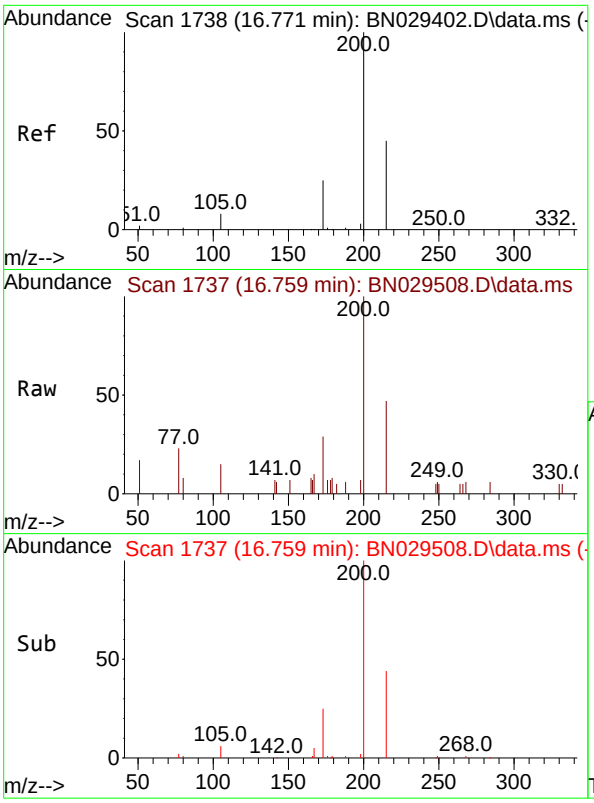


#22
Hexachlorobenzene
Concen: 0.306 ng
RT: 16.585 min Scan# 1723
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:284 Resp: 2395

Ion	Ratio	Lower	Upper
284	100		
142	50.0	39.4	59.2
249	32.6	26.9	40.3



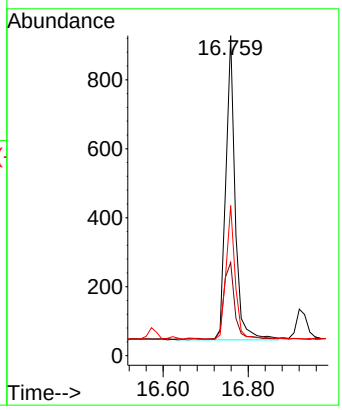


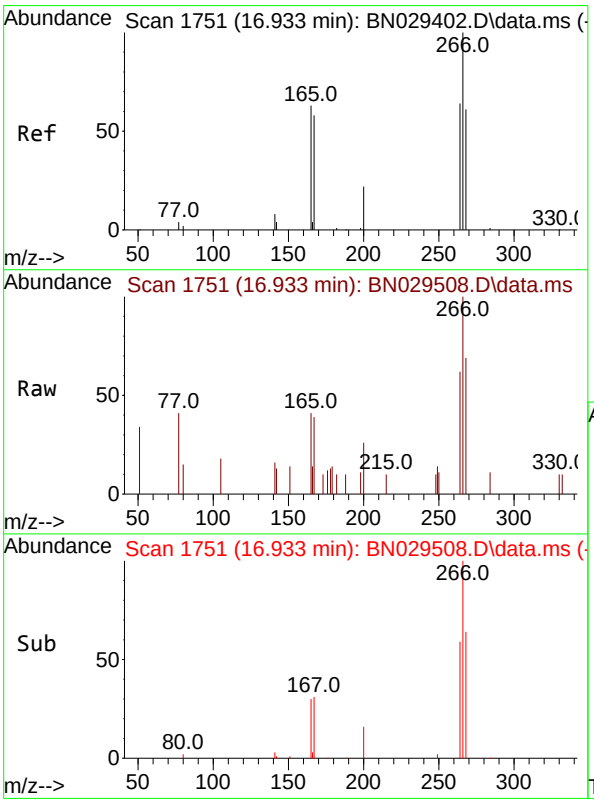
#23
Atrazine
Concen: 0.297 ng
RT: 16.759 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:200 Resp: 1349

Ion	Ratio	Lower	Upper
200	100		
173	29.1	23.4	35.0
215	46.9	38.4	57.6

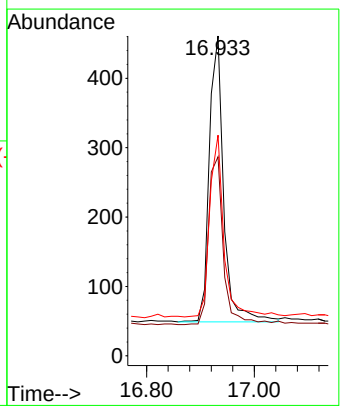


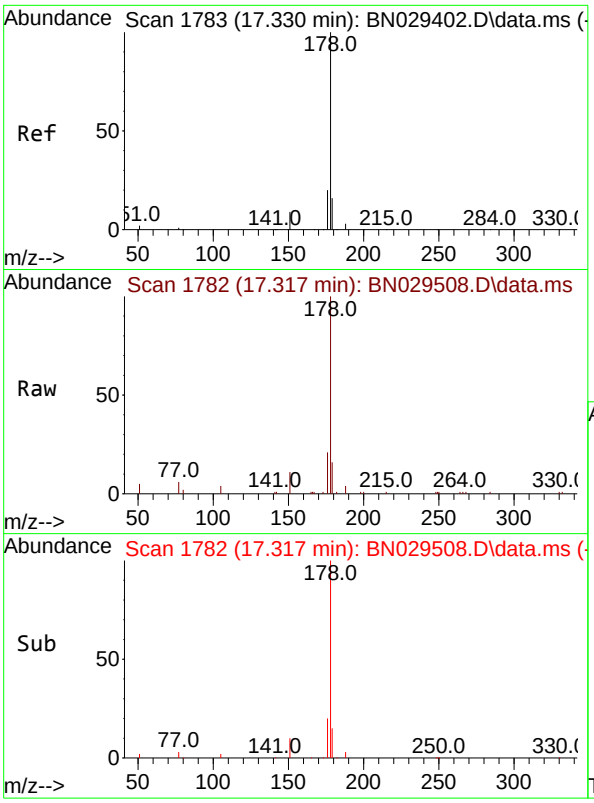


#24
Pentachlorophenol
Concen: 0.306 ng
RT: 16.933 min Scan# 1751
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:266 Resp: 761

Ion	Ratio	Lower	Upper
266	100		
264	61.6	50.8	76.2
268	63.5	51.5	77.3





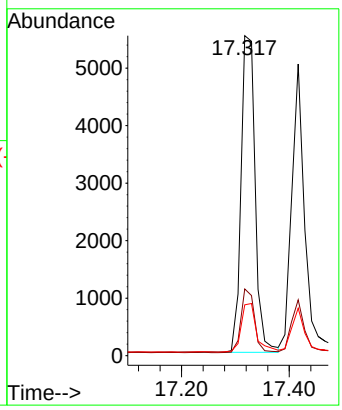
#25
Phenanthrene
Concen: 0.316 ng
RT: 17.317 min Scan# 1

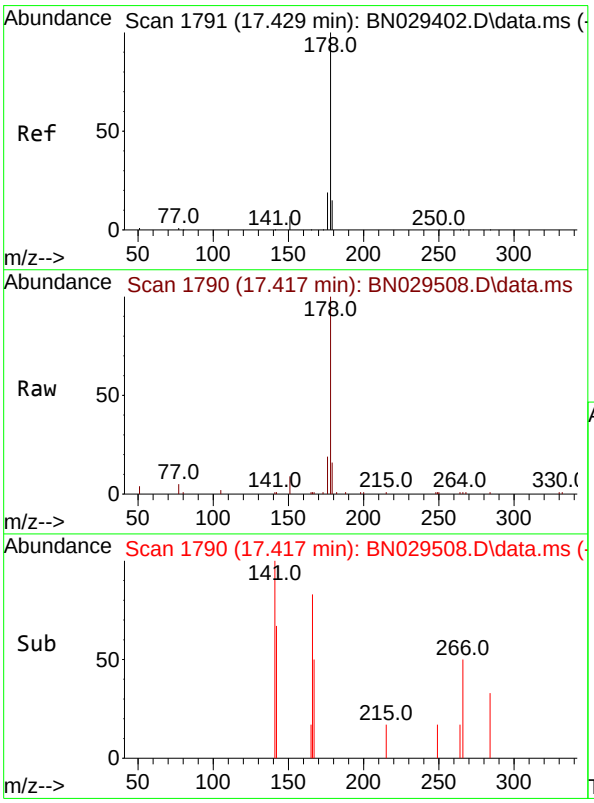
Instrument :
BNA_N
ClientSampleId :
PB158803BS

Delta R.T. -0.013 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:178 Resp: 10019

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	16.6	12.6	19.0

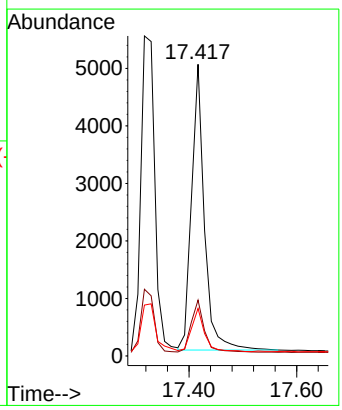


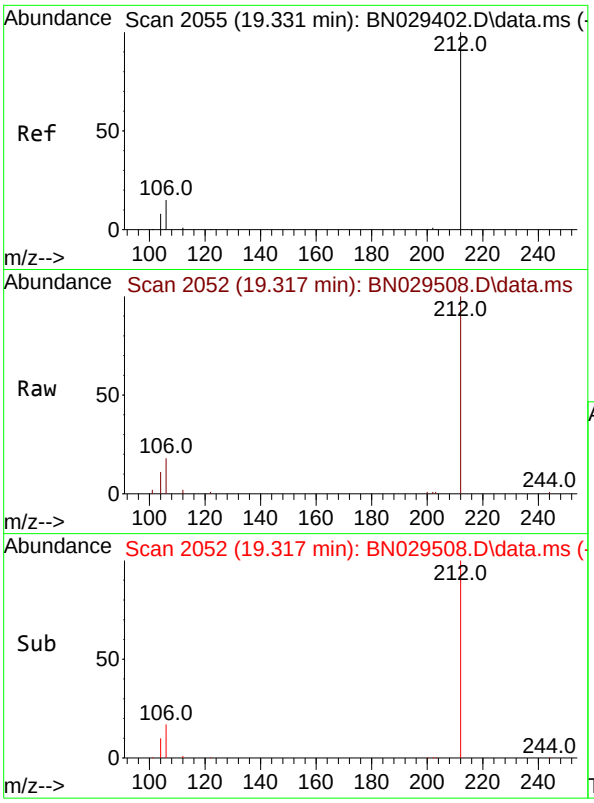


#26
Anthracene
Concen: 0.306 ng
RT: 17.417 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:178 Resp: 8272

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.3	12.3	18.5



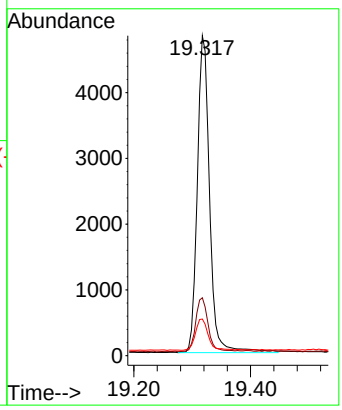


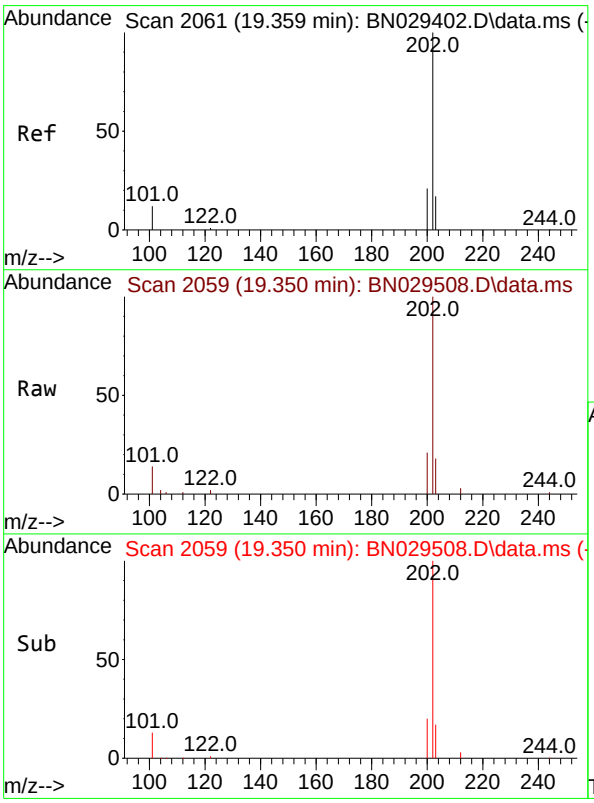
#27
Fluoranthene-d10
Concen: 0.272 ng
RT: 19.317 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:212 Resp: 7061

Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.2	19.8
104	10.2	7.7	11.5

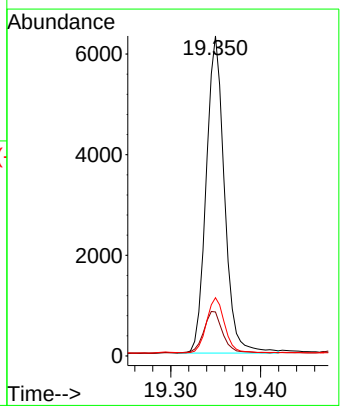


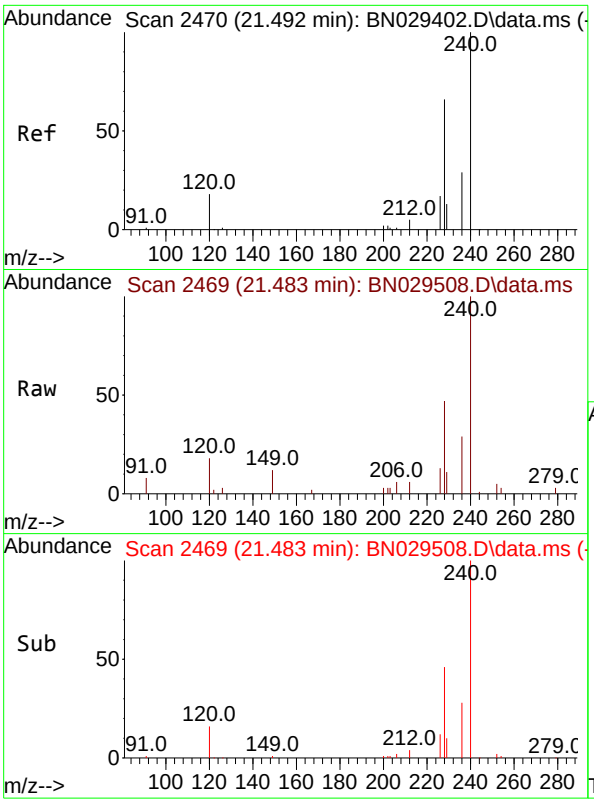


#28
Fluoranthene
Concen: 0.249 ng
RT: 19.350 min Scan# 2059
Delta R.T. -0.005 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:202 Resp: 8869

Ion	Ratio	Lower	Upper
202	100		
101	13.9	10.5	15.7
203	17.1	13.5	20.3



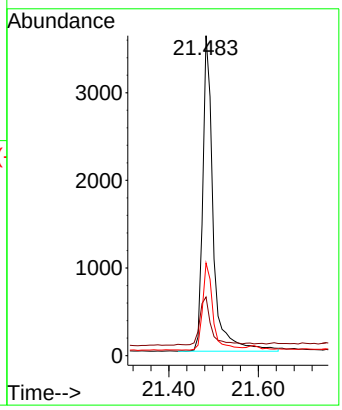


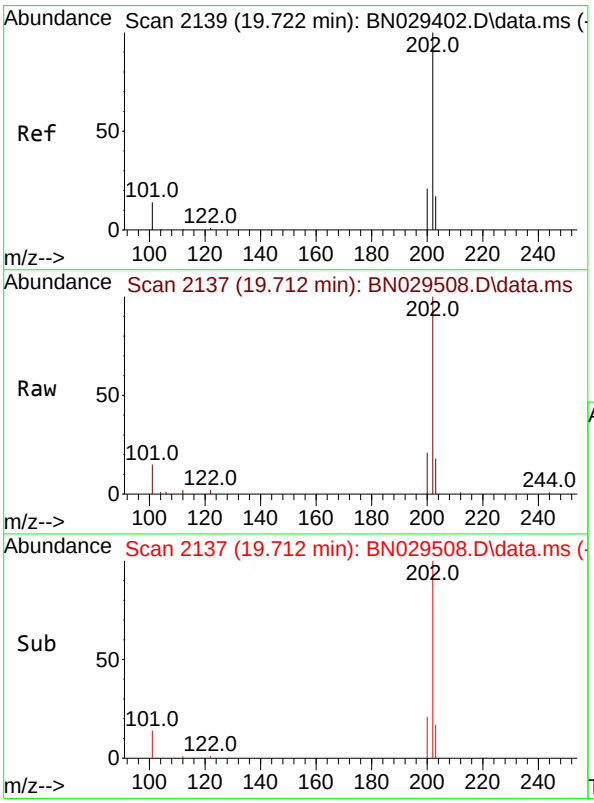
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.483 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:240 Resp: 5872

Ion	Ratio	Lower	Upper
240	100		
120	18.4	16.7	25.1
236	29.0	23.9	35.9

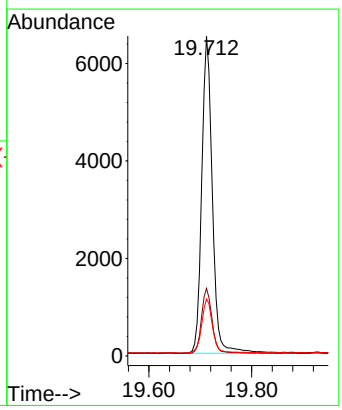


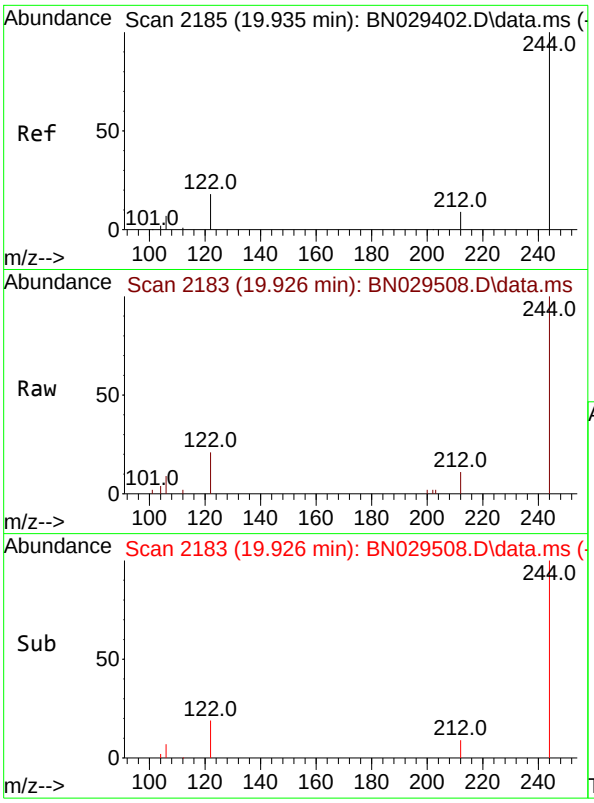


#30
Pyrene
Concen: 0.345 ng
RT: 19.712 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:202 Resp: 9324

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.3	14.2	21.4



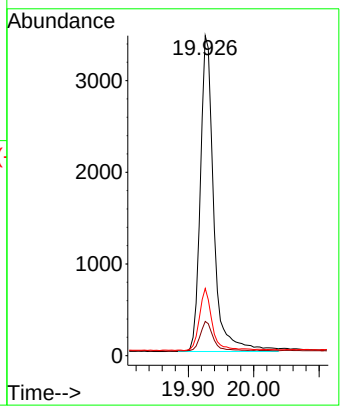


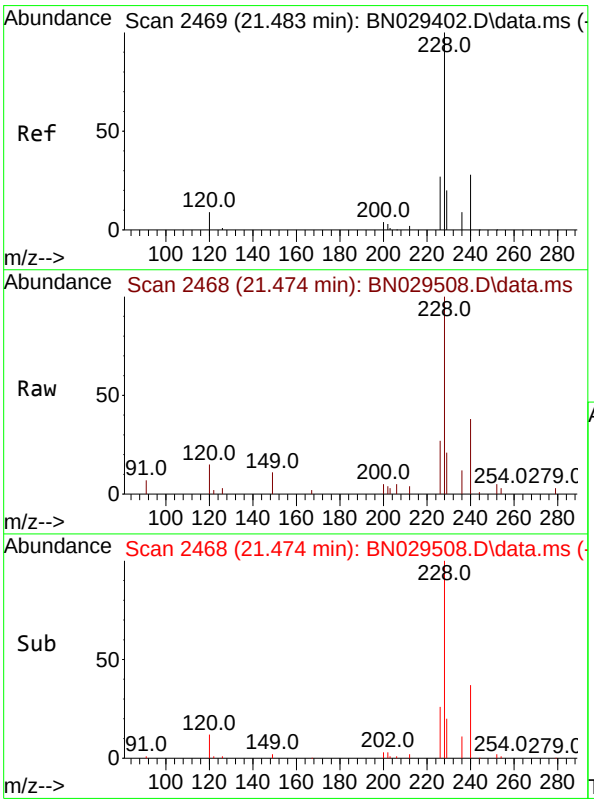
#31
Terphenyl-d14
Concen: 0.337 ng
RT: 19.926 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:244 Resp: 4915

Ion	Ratio	Lower	Upper
244	100		
212	10.7	8.2	12.4
122	21.0	15.6	23.4

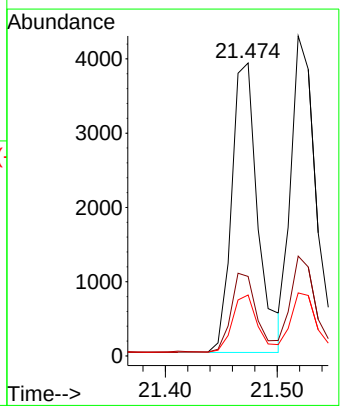


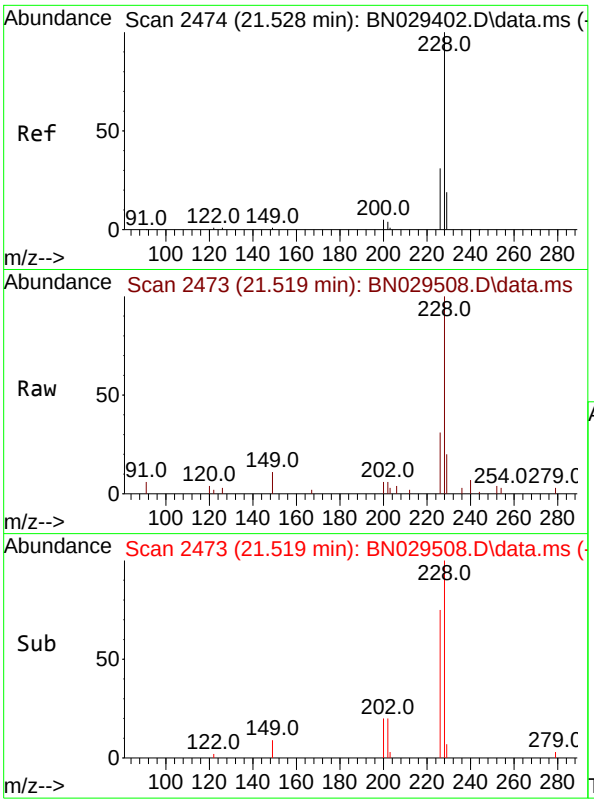


#32
Benzo(a)anthracene
Concen: 0.315 ng
RT: 21.474 min Scan# 2468
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:228 Resp: 6323

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.4
229	20.8	16.5	24.7



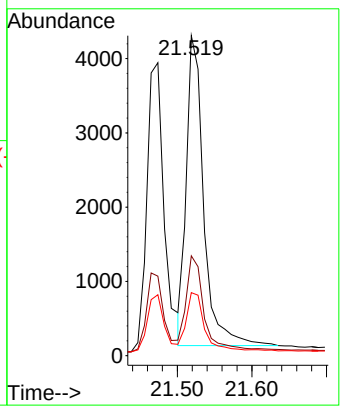


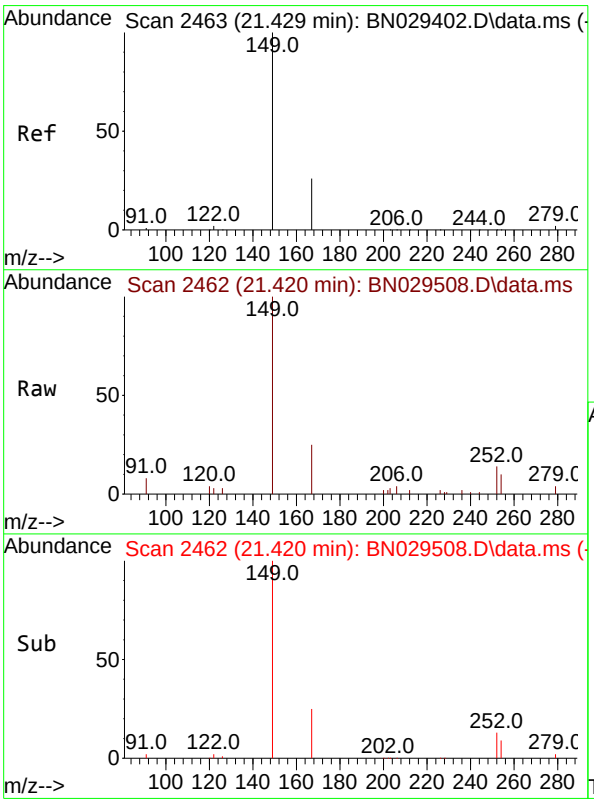
#33
Chrysene
Concen: 0.295 ng
RT: 21.519 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:228 Resp: 6728

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	19.7	15.9	23.9

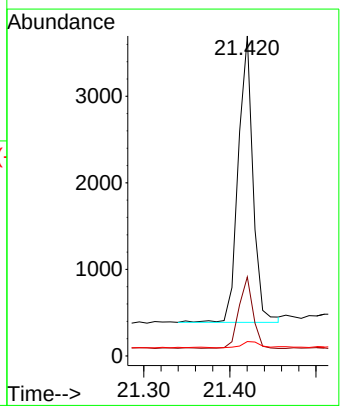


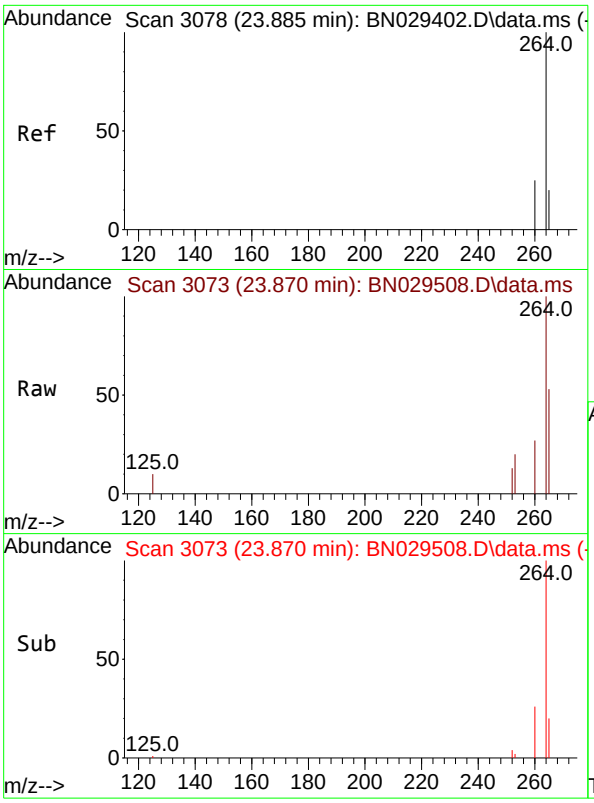


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.288 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:149 Resp: 3941

Ion	Ratio	Lower	Upper
149	100		
167	24.0	20.1	30.1
279	3.0	2.5	3.7



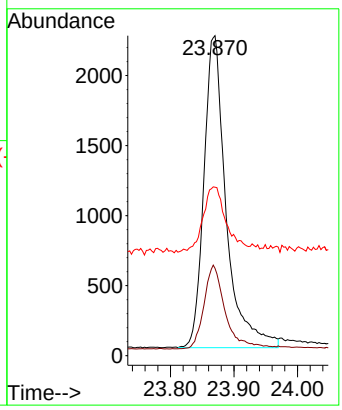


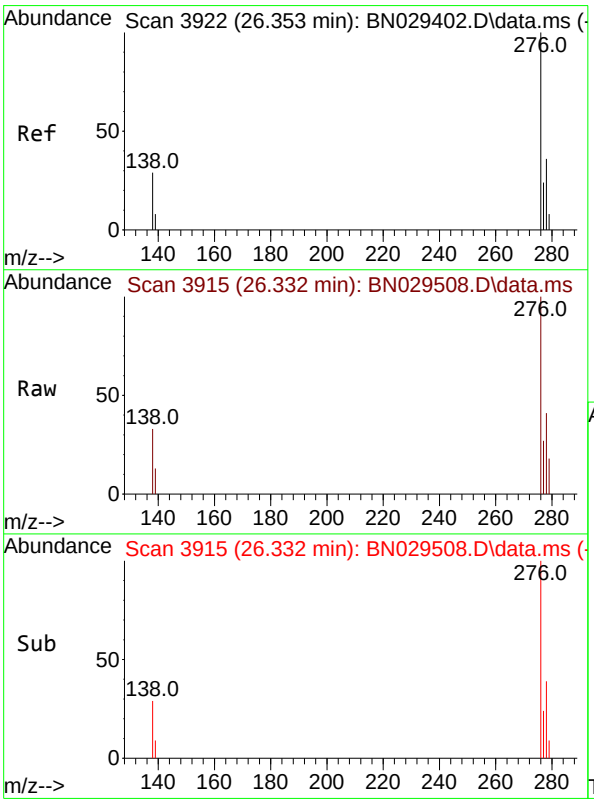
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.870 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:264 Resp: 5428

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.2	31.8
265	52.6	41.5	62.3

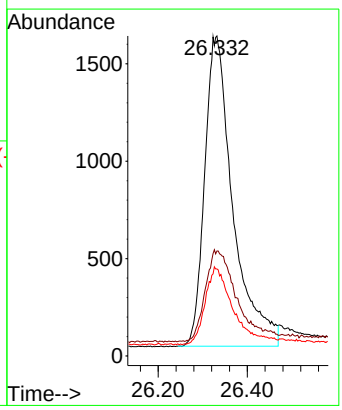


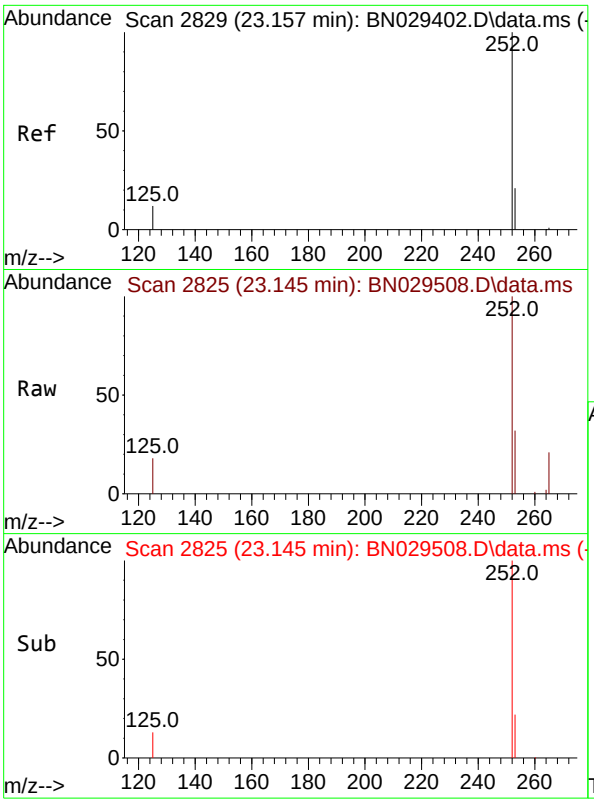


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.322 ng
RT: 26.332 min Scan# 3915
Delta R.T. -0.003 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:276 Resp: 7023

Ion	Ratio	Lower	Upper
276	100		
138	11.3	20.5	30.7#
277	23.7	17.0	25.4



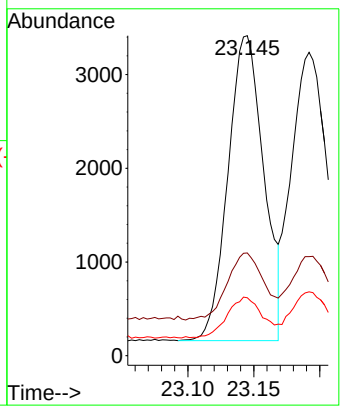


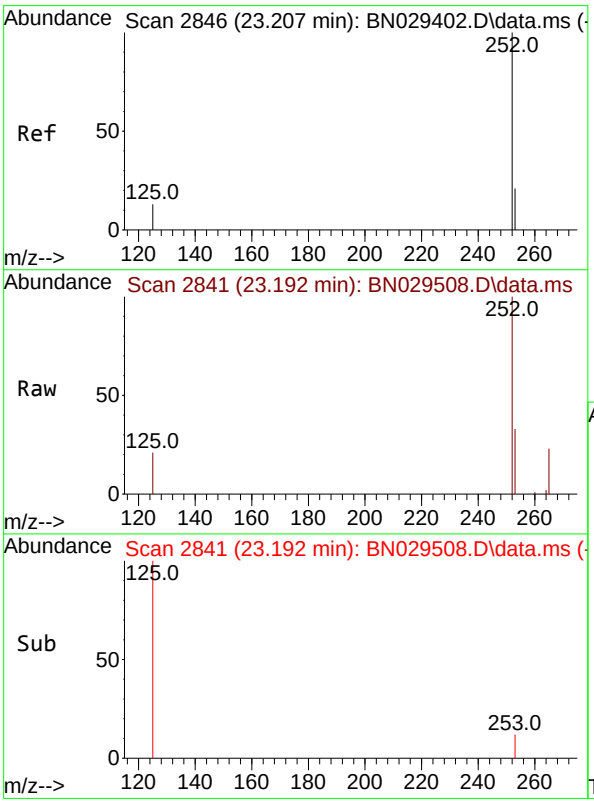
#37
Benzo(b)fluoranthene
Concen: 0.317 ng
RT: 23.145 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:252 Resp: 6151

Ion	Ratio	Lower	Upper
252	100		
253	32.1	21.7	32.5
125	18.1	13.3	19.9

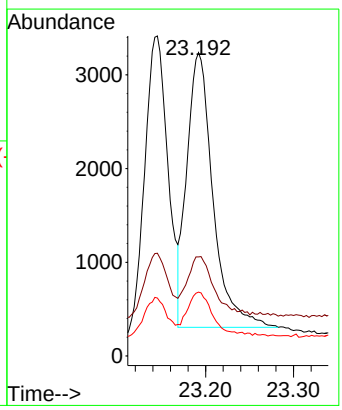


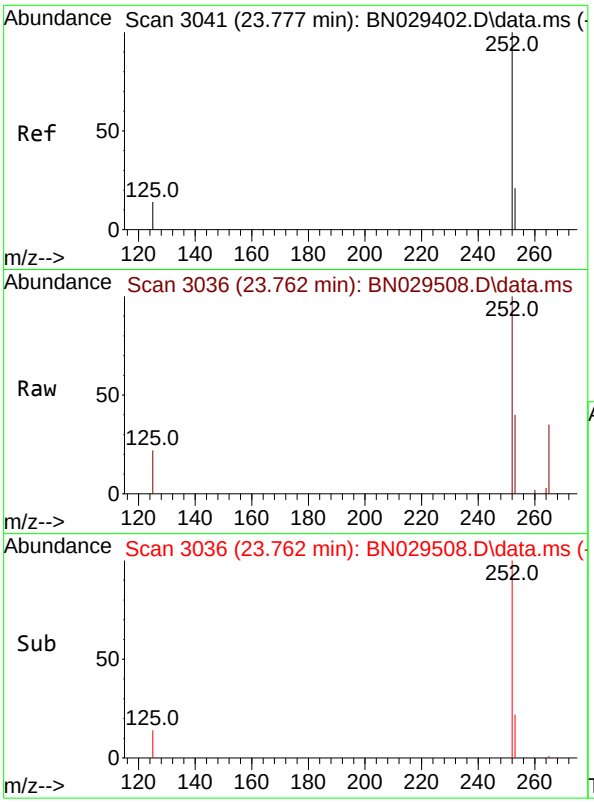


#38
Benzo(k)fluoranthene
Concen: 0.298 ng
RT: 23.192 min Scan# 2841
Delta R.T. -0.006 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:252 Resp: 6058

Ion	Ratio	Lower	Upper
252	100		
253	32.7	21.8	32.8
125	21.1	13.9	20.9#



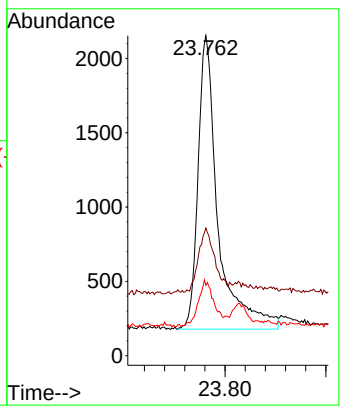


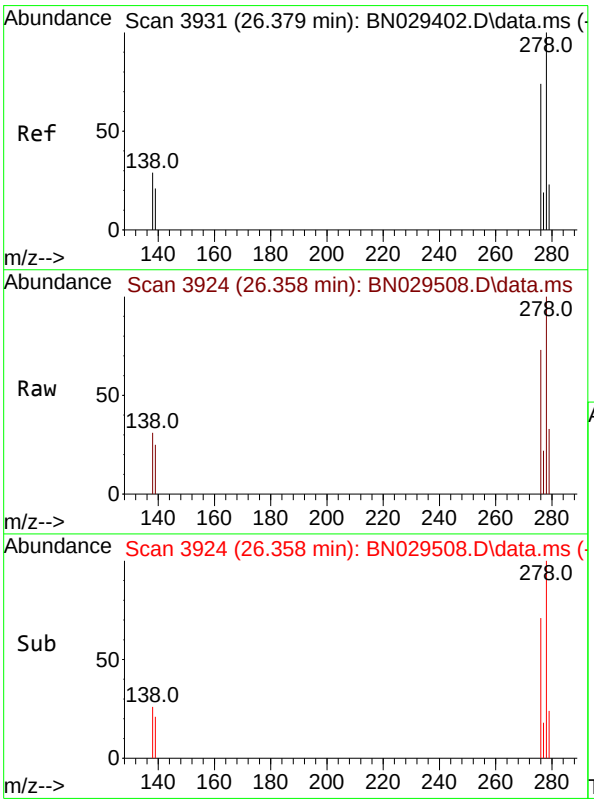
#39
Benzo(a)pyrene
Concen: 0.320 ng
RT: 23.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:252 Resp: 5416

Ion	Ratio	Lower	Upper
252	100		
253	39.9	24.9	37.3#
125	22.0	16.6	25.0

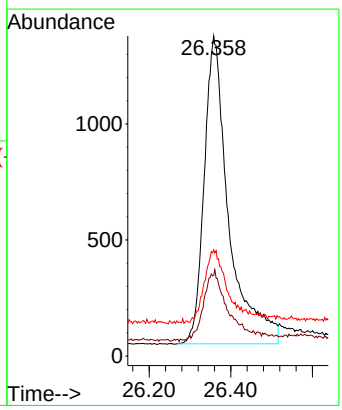


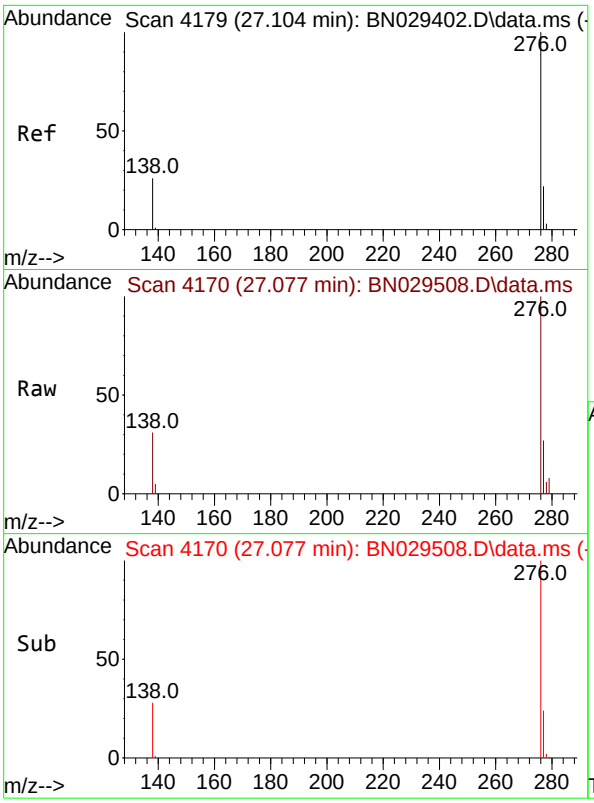


#40
Dibenzo(a,h)anthracene
Concen: 0.319 ng
RT: 26.358 min Scan# 3924
Delta R.T. -0.006 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Tgt Ion:278 Resp: 5550

Ion	Ratio	Lower	Upper
278	100		
139	25.2	20.4	30.6
279	33.2	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.308 ng
RT: 27.077 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN029508.D
Acq: 05 Feb 2024 15:10

Instrument :
BNA_N
ClientSampleId :
PB158803BS

Tgt Ion:276 Resp: 6515

Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.4	29.2
138	31.4	23.5	35.3