Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122223\
Data File : BN029176.D
Acq On : 22 Dec 2023 14:31
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 23 03:21:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 23 03:20:22 2023
Response via : Initial Calibration

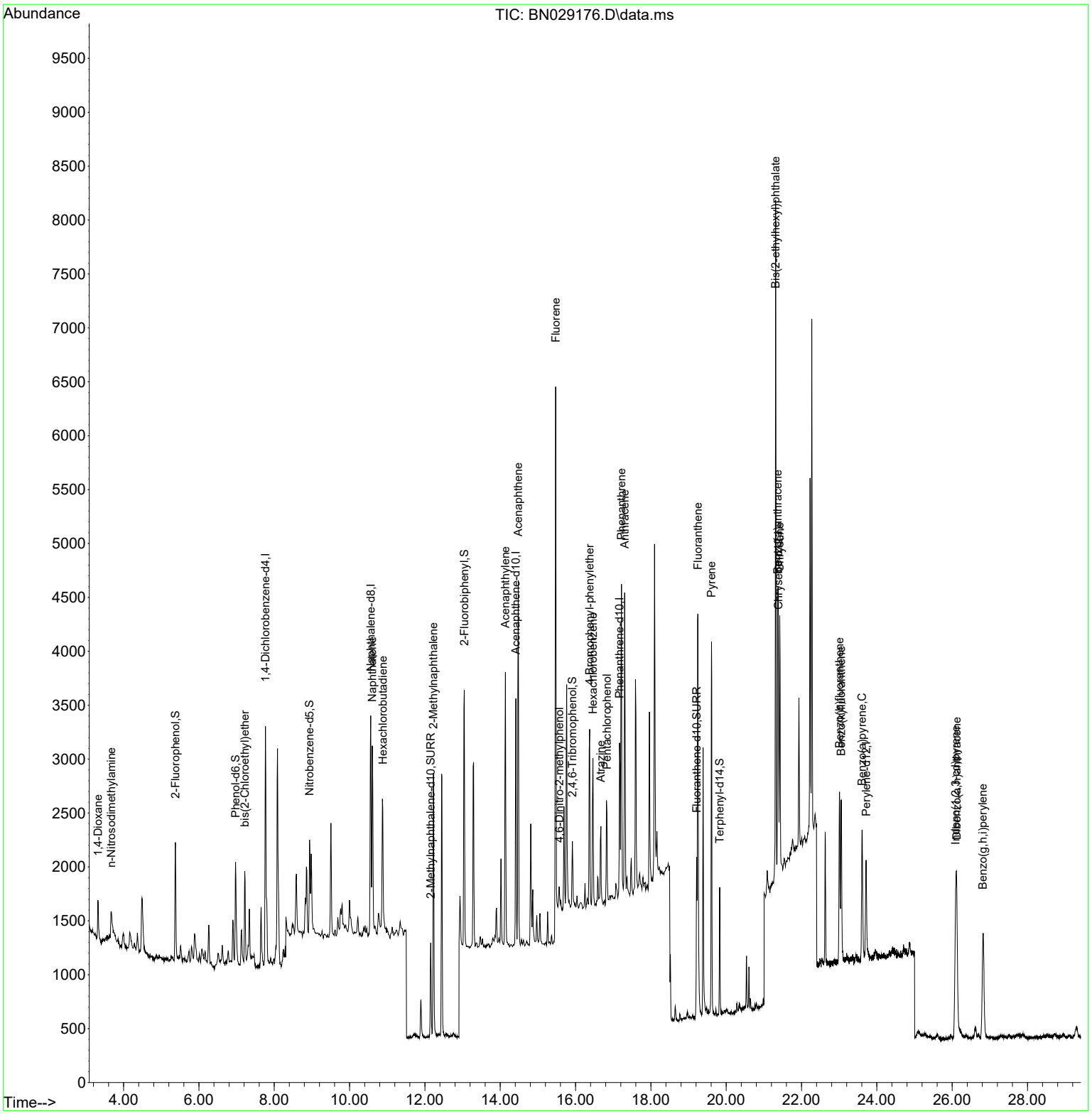
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	1098	0.400	ng	-0.01
7) Naphthalene-d8	10.562	136	2258	0.400	ng	#-0.01
13) Acenaphthene-d10	14.415	164	1198	0.400	ng	-0.01
19) Phenanthrene-d10	17.168	188	2114	0.400	ng	#-0.01
29) Chrysene-d12	21.384	240	1077	0.400	ng	0.00
35) Perylene-d12	23.715	264	1237	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	918	0.349	ng	0.00
5) Phenol-d6	6.973	99	884	0.306	ng	-0.01
8) Nitrobenzene-d5	8.939	82	880	0.299	ng	-0.02
11) 2-Methylnaphthalene-d10	12.155	152	1242	0.363	ng	-0.01
14) 2,4,6-Tribromophenol	15.915	330	314	0.300	ng	-0.01
15) 2-Fluorobiphenyl	13.046	172	2241	0.320	ng	-0.01
27) Fluoranthene-d10	19.215	212	1633	0.319	ng	0.00
31) Terphenyl-d14	19.828	244	1004	0.339	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.319	88	357	0.345	ng	# 81
3) n-Nitrosodimethylamine	3.673	42	288	0.406	ng	# 60
6) bis(2-Chloroethyl)ether	7.219	93	758	0.338	ng	90
9) Naphthalene	10.605	128	2325	0.316	ng	96
10) Hexachlorobutadiene	10.882	225	733	0.303	ng	# 97
12) 2-Methylnaphthalene	12.227	142	1665	0.346	ng	97
16) Acenaphthylene	14.137	152	2645	0.313	ng	97
17) Acenaphthene	14.479	154	1639	0.324	ng	98
18) Fluorene	15.473	166	2186	0.320	ng	93
20) 4,6-Dinitro-2-methylph...	15.567	198	215	0.254	ng	# 82
21) 4-Bromophenyl-phenylether	16.374	248	652	0.298	ng	# 74
22) Hexachlorobenzene	16.461	284	765	0.300	ng	98
23) Atrazine	16.672	200	605	0.330	ng	92
24) Pentachlorophenol	16.833	266	507	0.336	ng	96
25) Phenanthrene	17.218	178	3064	0.351	ng	98
26) Anthracene	17.305	178	2909	0.345	ng	99
28) Fluoranthene	19.248	202	3139	0.348	ng	# 84
30) Pyrene	19.610	202	3141	0.370	ng	99
32) Benzo(a)anthracene	21.366	228	2079	0.351	ng	96
33) Chrysene	21.420	228	1944	0.332	ng	96
34) Bis(2-ethylhexyl)phtha...	21.313	149	6001	0.856	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.092	276	2629	0.330	ng	# 86
37) Benzo(b)fluoranthene	23.008	252	2164	0.344	ng	96
38) Benzo(k)fluoranthene	23.054	252	2076	0.337	ng	97
39) Benzo(a)pyrene	23.607	252	1896	0.338	ng	91
40) Dibenzo(a,h)anthracene	26.121	278	1973	0.322	ng	# 87
41) Benzo(g,h,i)perylene	26.814	276	2221	0.329	ng	96

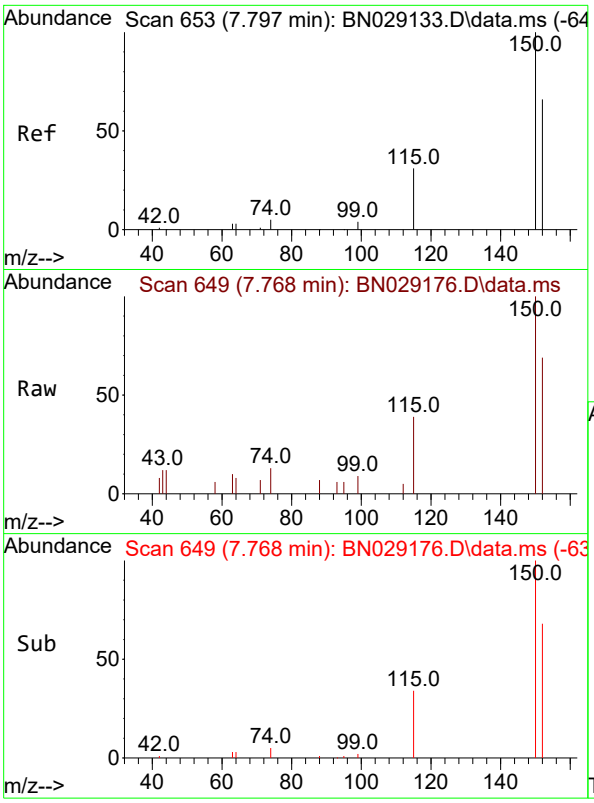
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122223\
Data File : BN029176.D
Acq On : 22 Dec 2023 14:31
Operator : MA/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 23 03:21:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 23 03:20:22 2023
Response via : Initial Calibration



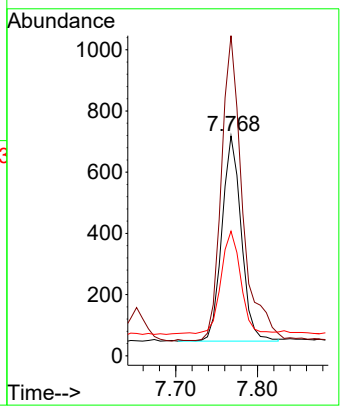


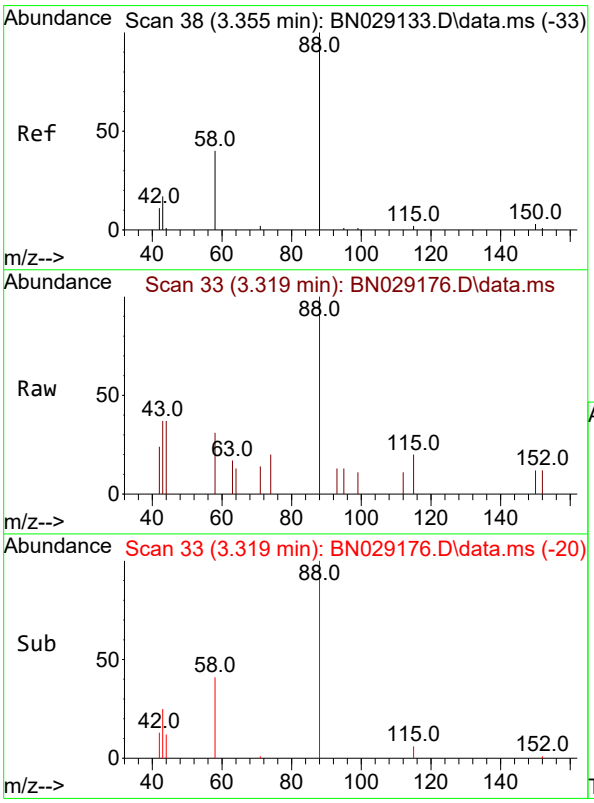
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 64
Delta R.T. -0.014 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1098

Ion	Ratio	Lower	Upper
152	100		
150	145.7	117.5	176.3
115	56.7	46.3	69.5

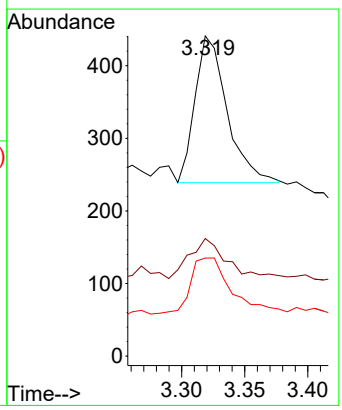


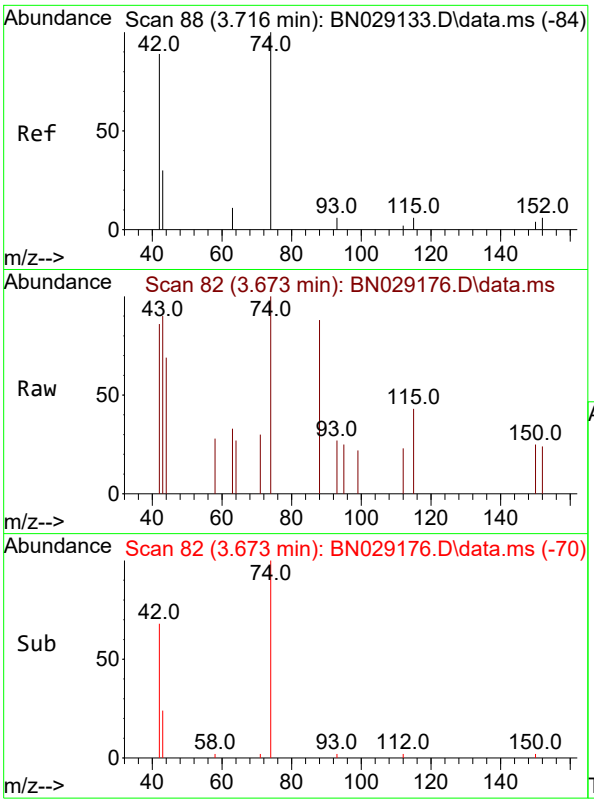


#2
1,4-Dioxane
Concen: 0.345 ng
RT: 3.319 min Scan# 33
Delta R.T. -0.007 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion: 88 Resp: 357

Ion	Ratio	Lower	Upper
88	100		
43	31.1	19.1	28.7#
58	48.5	28.2	42.4#



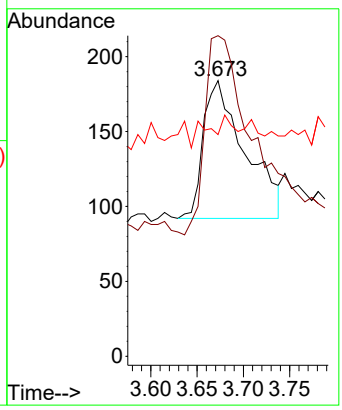


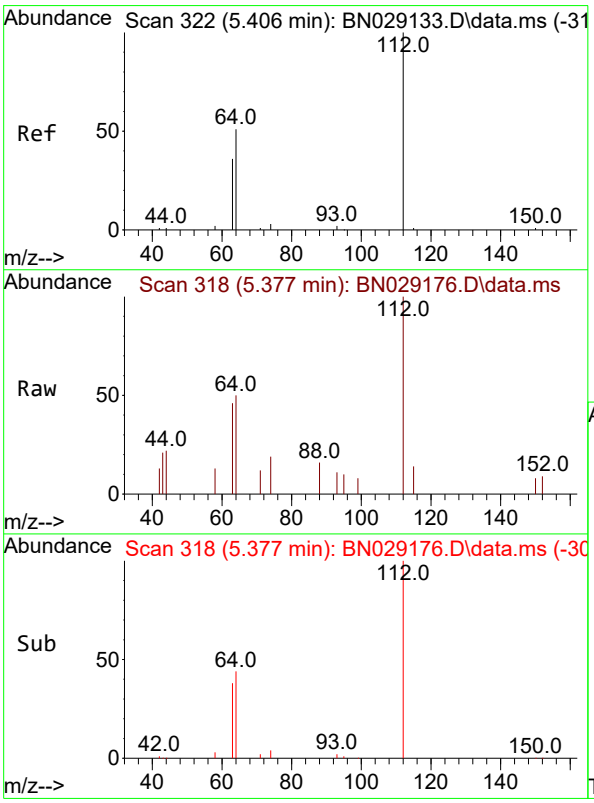
#3
n-Nitrosodimethylamine
Concen: 0.406 ng
RT: 3.673 min Scan# 8
Delta R.T. -0.015 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 288

Ion	Ratio	Lower	Upper
42	100		
74	165.6	95.1	142.7#
44	3.1	7.6	11.4#

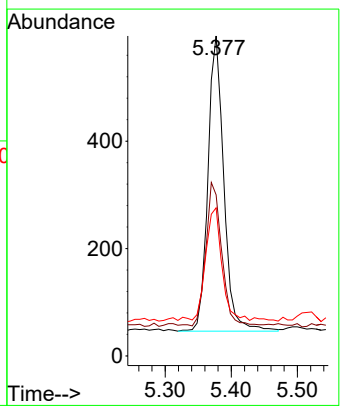


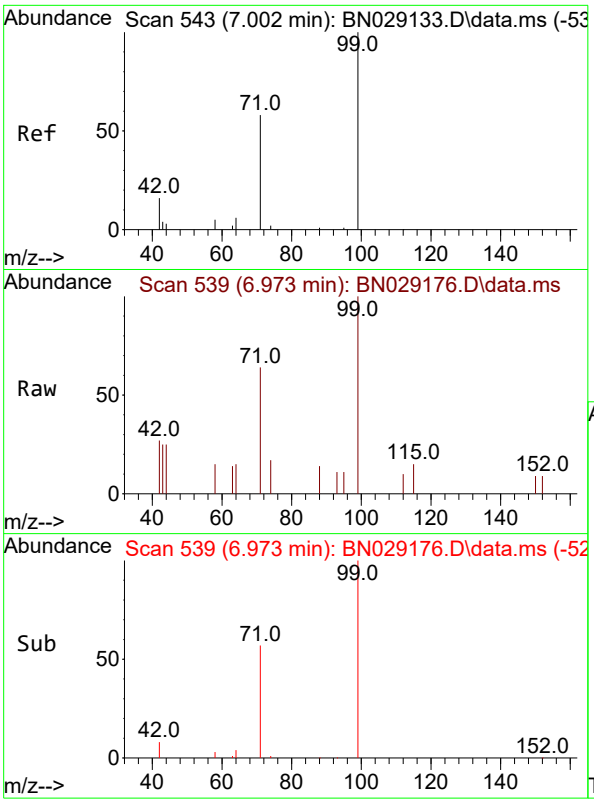


#4
2-Fluorophenol
Concen: 0.349 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:112 Resp: 918

Ion	Ratio	Lower	Upper
112	100		
64	46.9	37.8	56.6
63	38.9	29.4	44.0



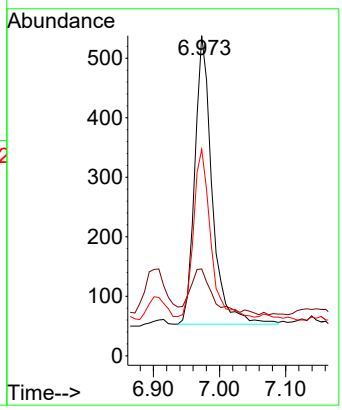


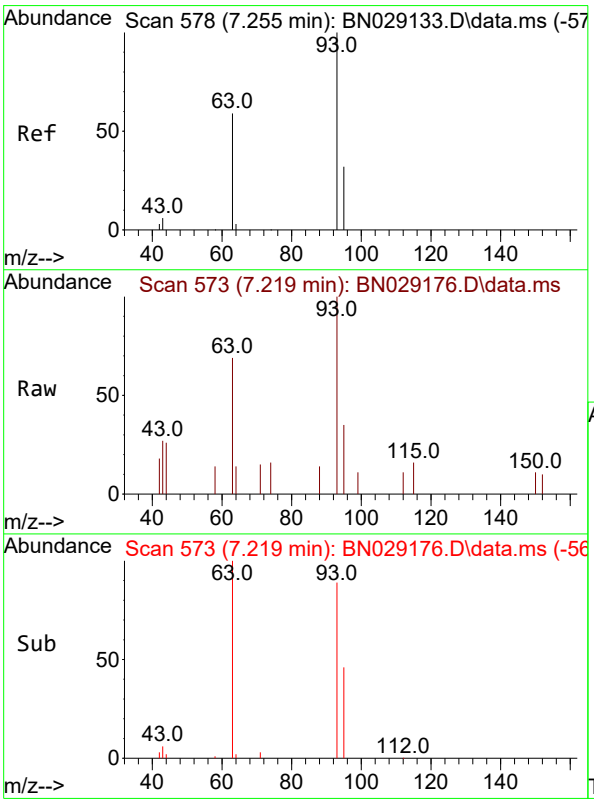
#5
Phenol-d6
Concen: 0.306 ng
RT: 6.973 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 884

Ion	Ratio	Lower	Upper
99	100		
42	17.6	16.8	25.2
71	56.7	43.4	65.2

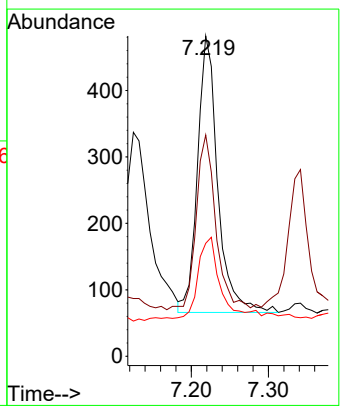


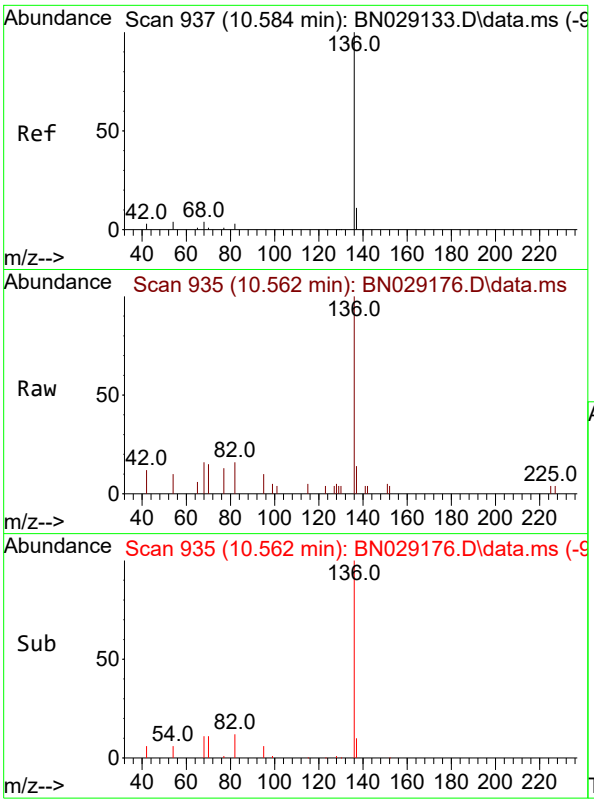


#6
bis(2-Chloroethyl)ether
Concen: 0.338 ng
RT: 7.219 min Scan# 573
Delta R.T. -0.022 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion: 93 Resp: 758

Ion	Ratio	Lower	Upper
93	100		
63	61.5	58.4	87.6
95	35.0	29.2	43.8



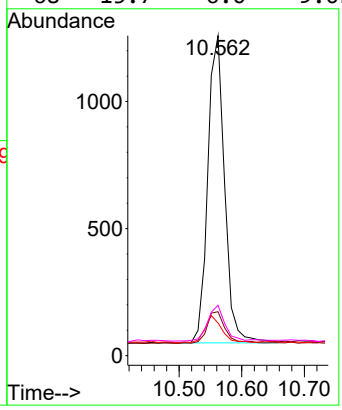


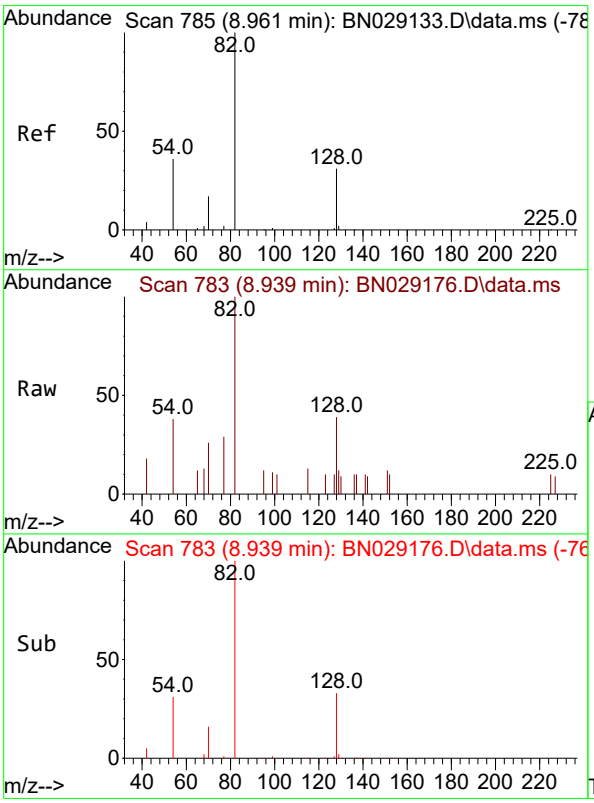
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 2258

Ion	Ratio	Lower	Upper
136	100		
137	13.7	12.1	18.1
54	10.2	7.2	10.8
68	15.7	6.0	9.0#

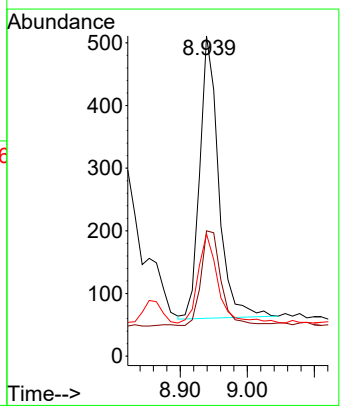


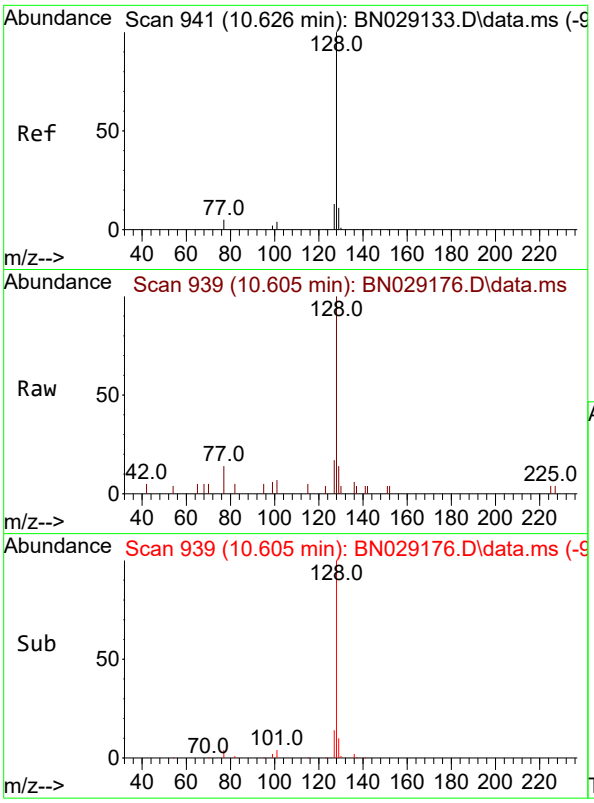


#8
Nitrobenzene-d5
Concen: 0.299 ng
RT: 8.939 min Scan# 783
Delta R.T. -0.022 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion: 82 Resp: 880

Ion	Ratio	Lower	Upper
82	100		
128	39.1	34.5	51.7
54	38.2	33.4	50.0



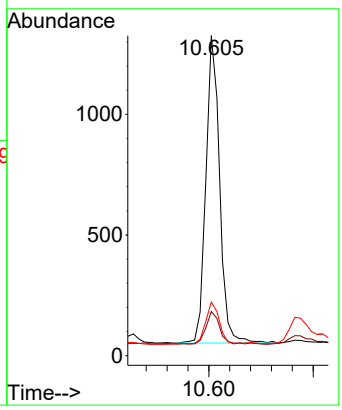


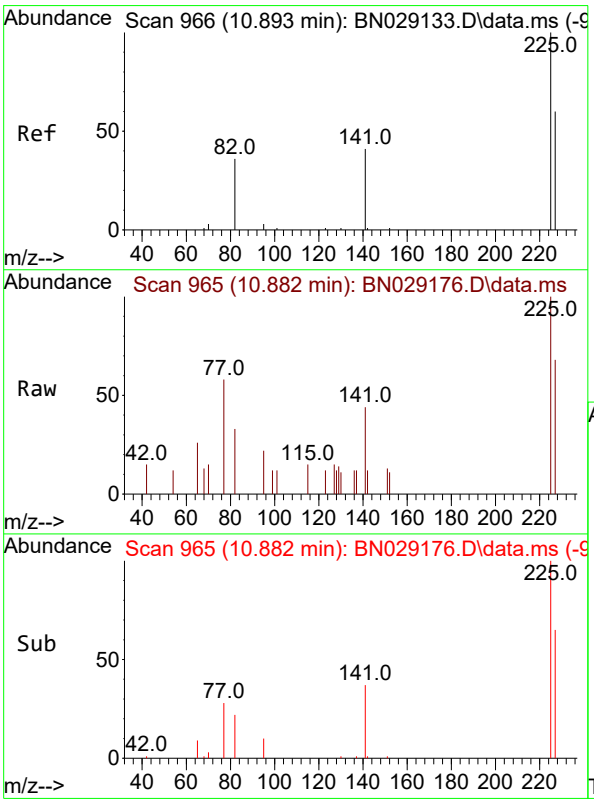
#9
Naphthalene
Concen: 0.316 ng
RT: 10.605 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 2325

Ion	Ratio	Lower	Upper
128	100		
129	13.8	13.0	19.6
127	16.7	14.4	21.6

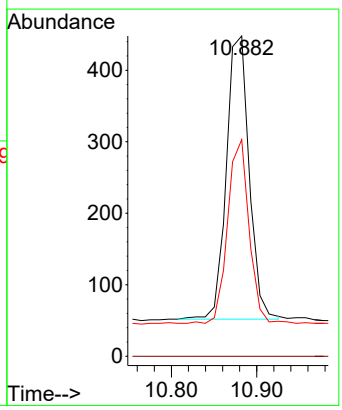


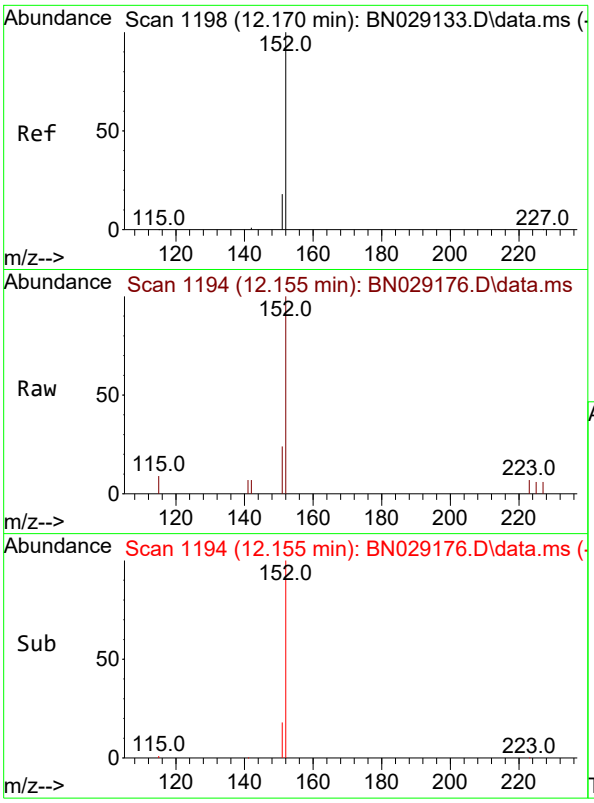


#10
Hexachlorobutadiene
Concen: 0.303 ng
RT: 10.882 min Scan# 965
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:225 Resp: 733

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	60.6	50.4	75.6



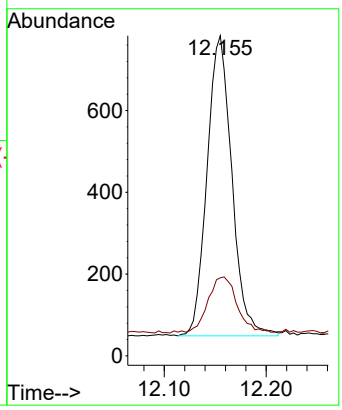


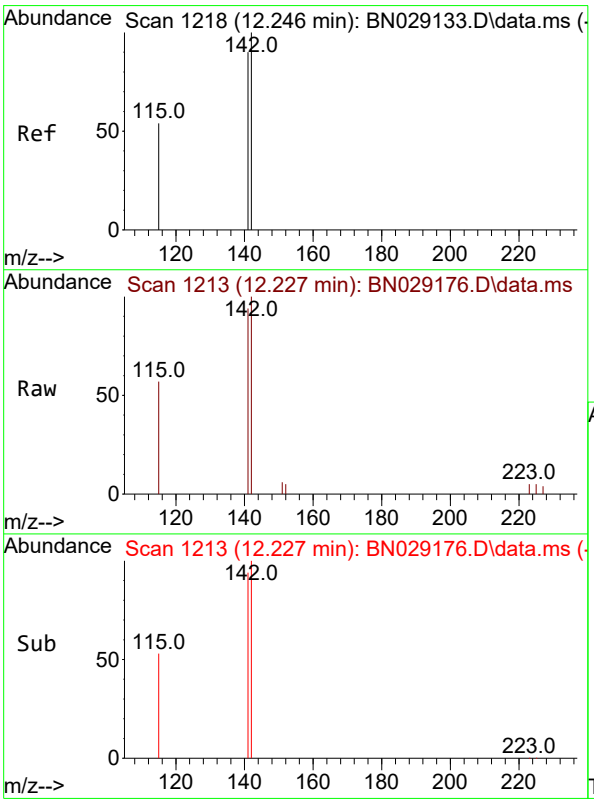
#11
2-Methylnaphthalene-d10
Concen: 0.363 ng
RT: 12.155 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1242

Ion	Ratio	Lower	Upper
152	100		
151	22.4	17.4	26.0

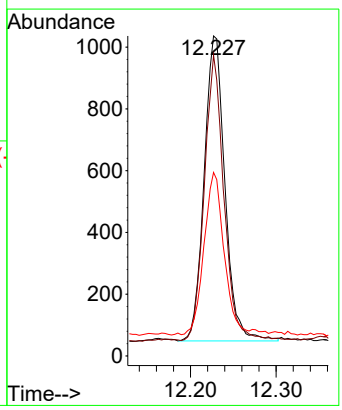


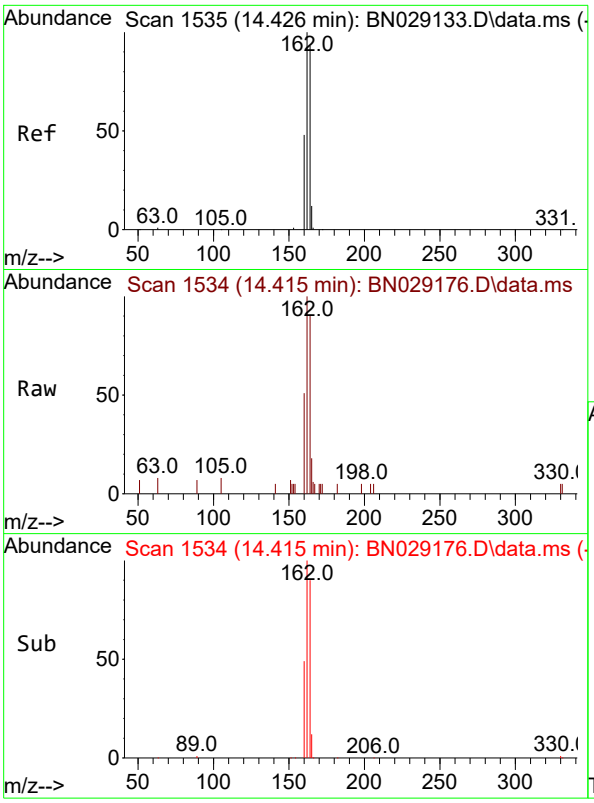


#12
2-Methylnaphthalene
Concen: 0.346 ng
RT: 12.227 min Scan# 1213
Delta R.T. -0.015 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:142 Resp: 1665

Ion	Ratio	Lower	Upper
142	100		
141	94.0	71.9	107.9
115	57.3	46.1	69.1



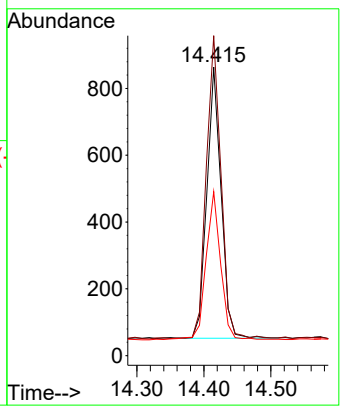


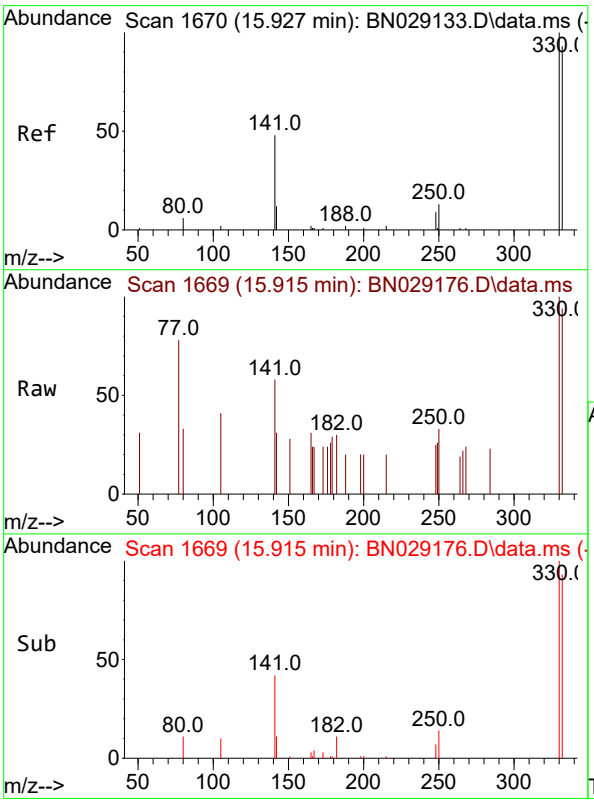
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.415 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1198

Ion	Ratio	Lower	Upper
164	100		
162	110.9	88.2	132.2
160	56.8	44.9	67.3

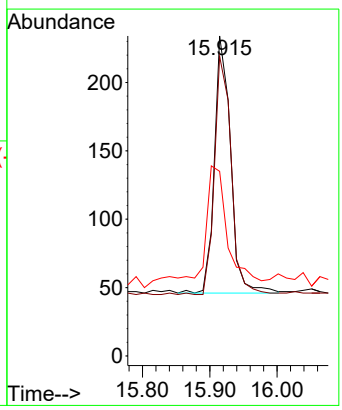


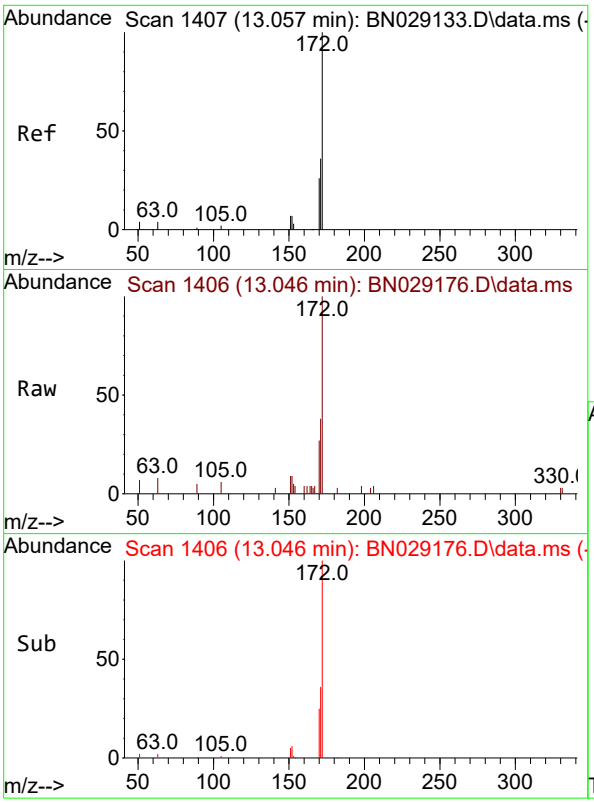


#14
2,4,6-Tribromophenol
Concen: 0.300 ng
RT: 15.915 min Scan# 1669
Delta R.T. -0.013 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:330 Resp: 314

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.6	116.4
141	53.5	40.2	60.2



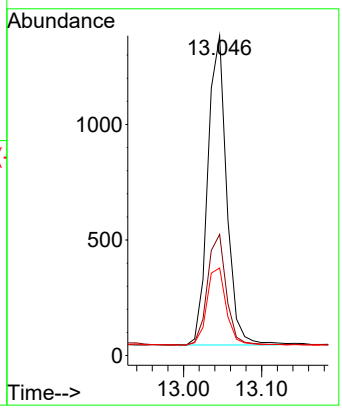


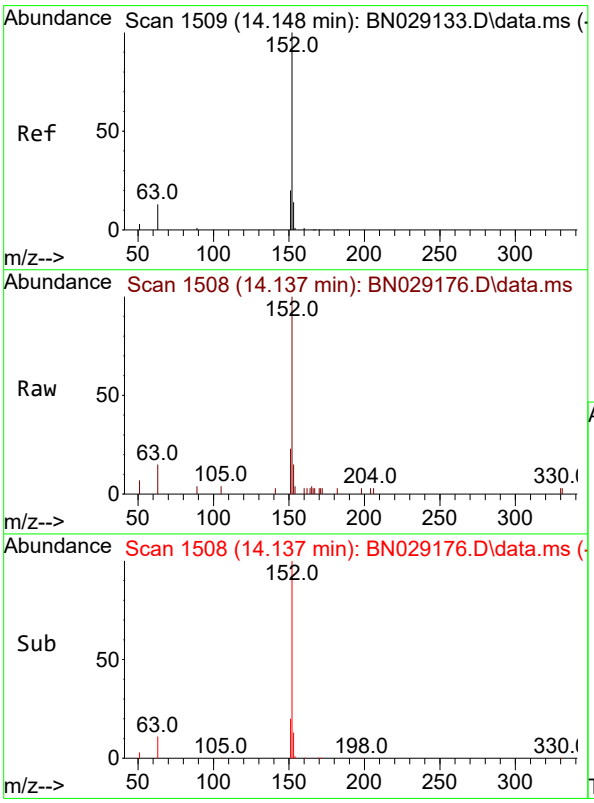
#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 13.046 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2241

Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.4	47.0
170	27.4	22.8	34.2

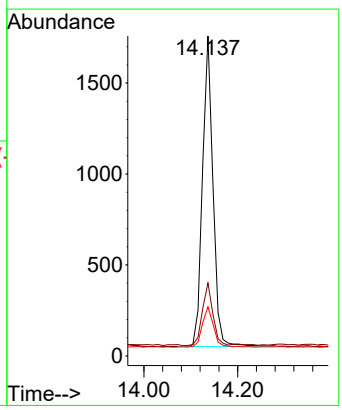


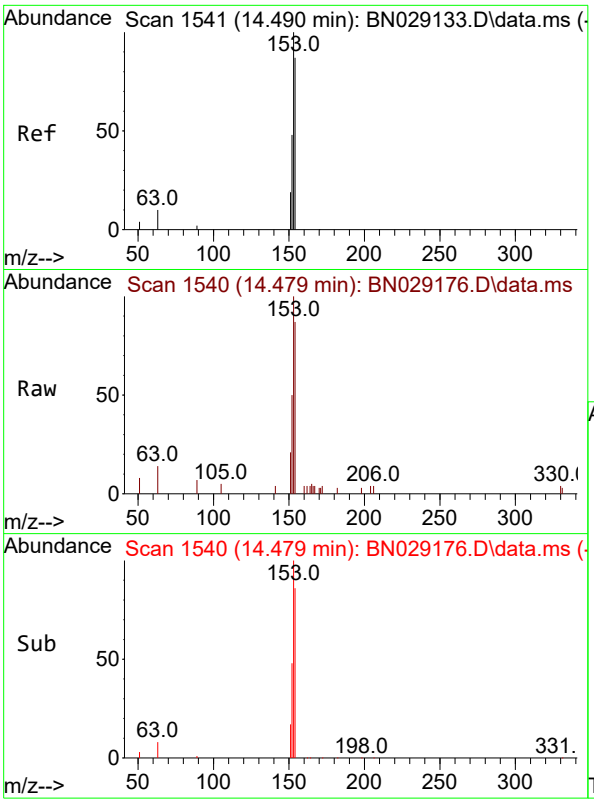


#16
Acenaphthylene
Concen: 0.313 ng
RT: 14.137 min Scan# 1508
Delta R.T. -0.011 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:152 Resp: 2645

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.1	22.7
153	14.1	10.3	15.5



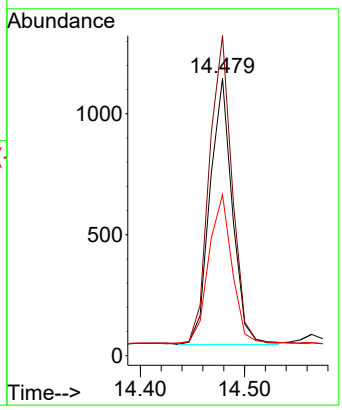


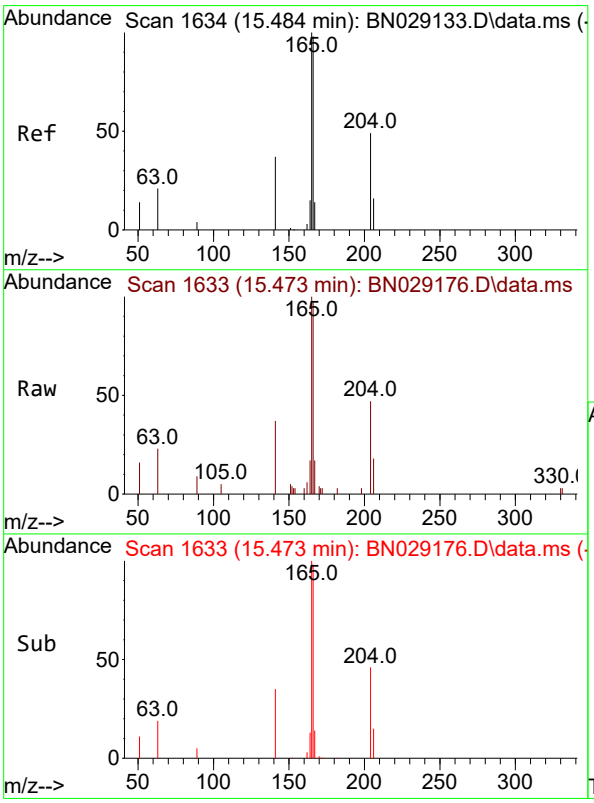
#17
Acenaphthene
Concen: 0.324 ng
RT: 14.479 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 1639

Ion	Ratio	Lower	Upper
154	100		
153	118.5	96.8	145.2
152	57.9	46.1	69.1

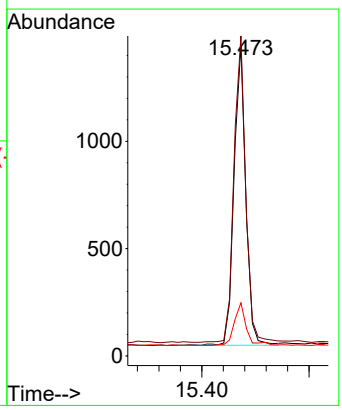


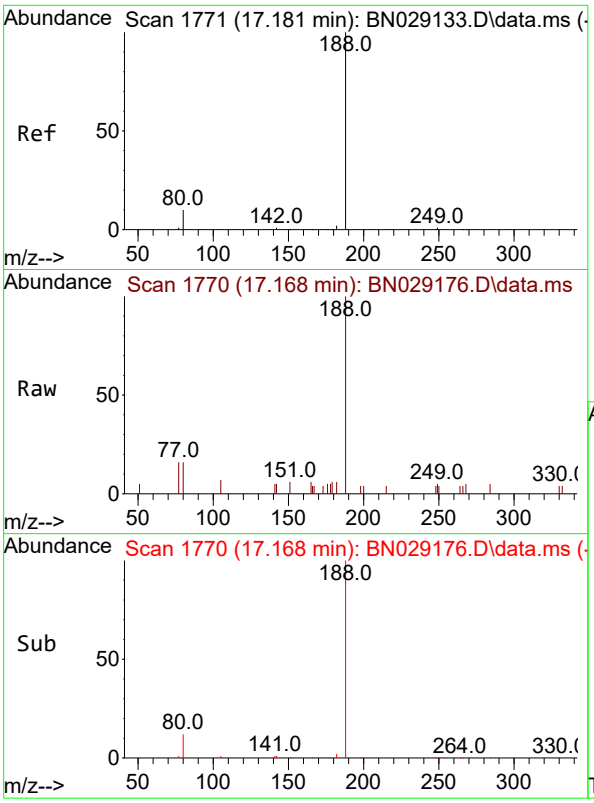


#18
Fluorene
Concen: 0.320 ng
RT: 15.473 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:166 Resp: 2186

Ion	Ratio	Lower	Upper
166	100		
165	107.0	80.0	120.0
167	15.4	10.4	15.6



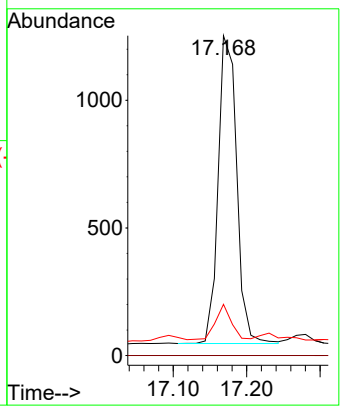


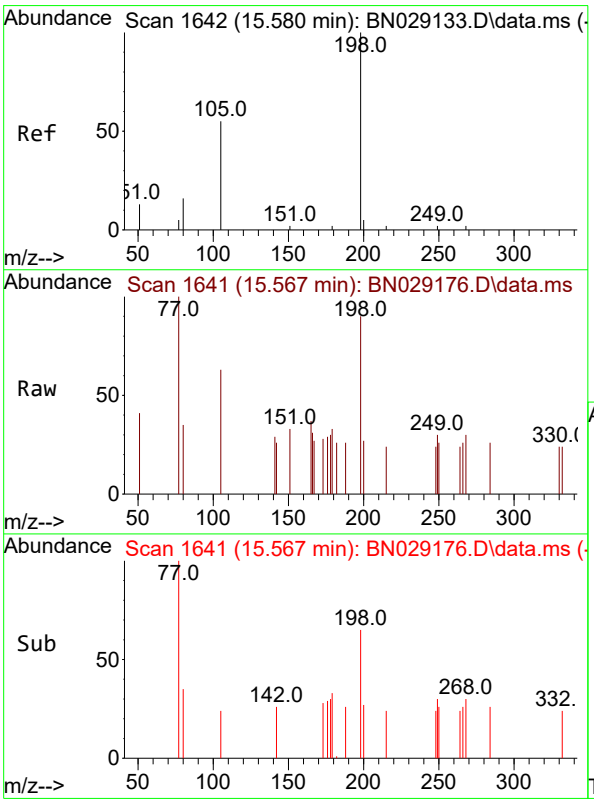
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.168 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 2114

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.0	8.9	13.3#

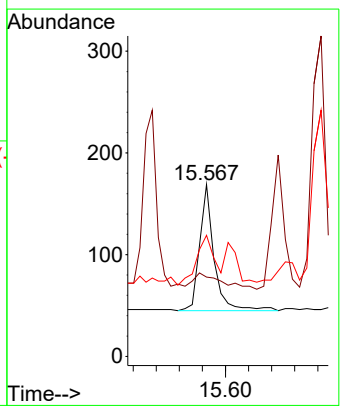


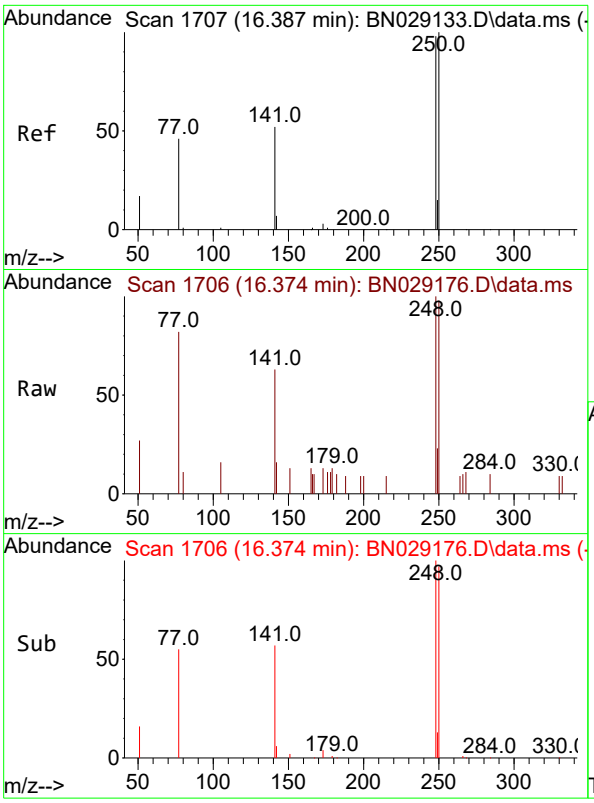


#20
4,6-Dinitro-2-methylphenol
Concen: 0.254 ng
RT: 15.567 min Scan# 1641
Delta R.T. -0.013 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:198 Resp: 215

Ion	Ratio	Lower	Upper
198	100		
51	46.2	56.0	84.0#
105	70.4	61.6	92.4



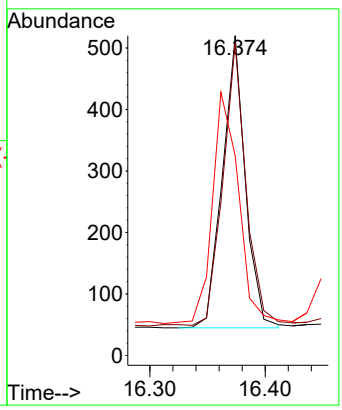


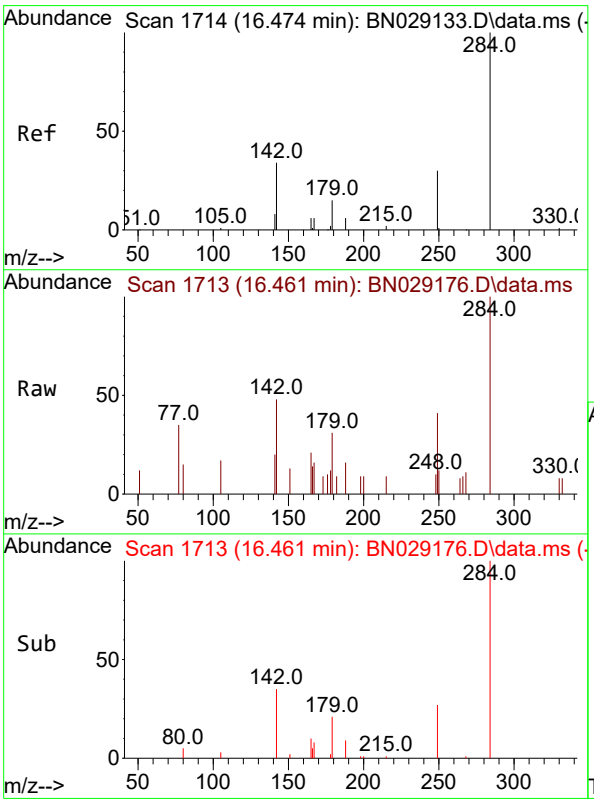
#21
4-Bromophenyl-phenylether
Concen: 0.298 ng
RT: 16.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:248 Resp: 652

Ion	Ratio	Lower	Upper
248	100		
250	97.7	75.7	113.5
141	62.5	89.4	134.0#

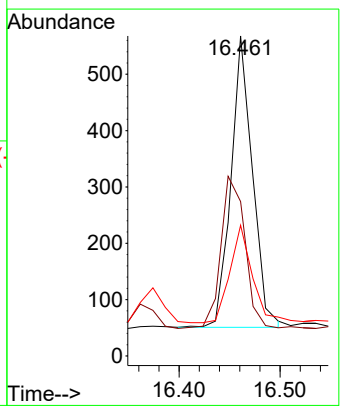


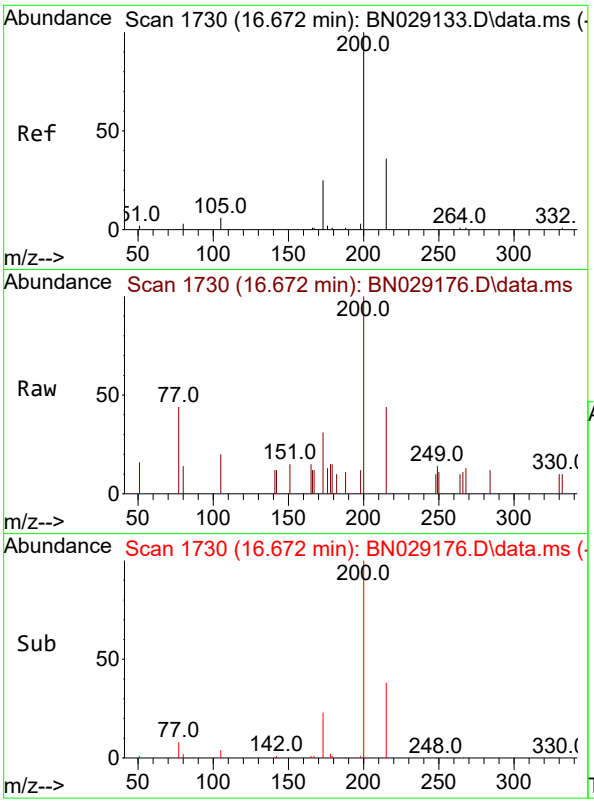


#22
Hexachlorobenzene
Concen: 0.300 ng
RT: 16.461 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:284 Resp: 765

Ion	Ratio	Lower	Upper
284	100		
142	58.3	47.4	71.0
249	34.6	28.8	43.2



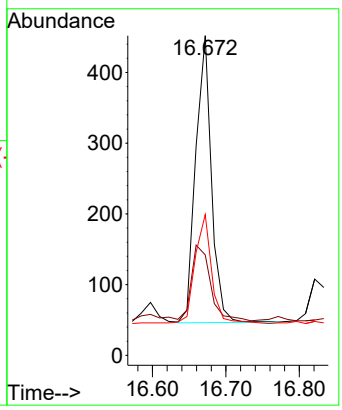


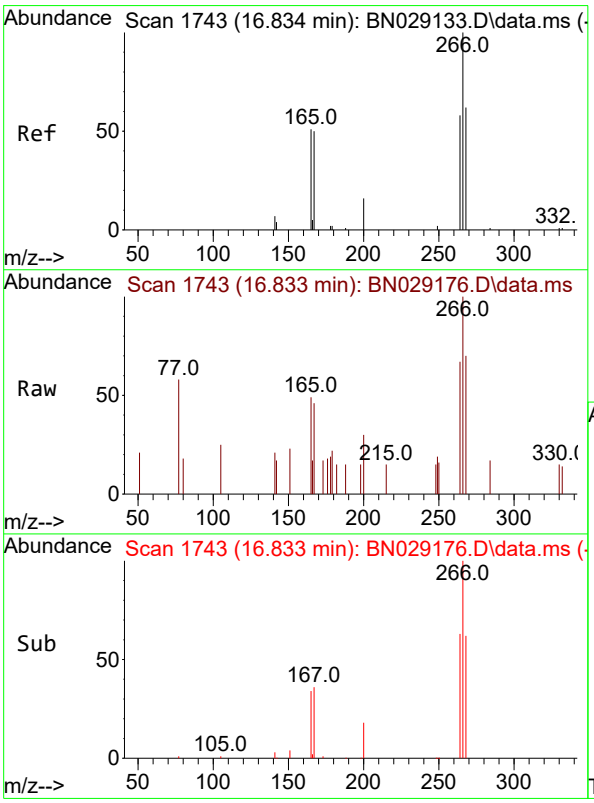
#23
Atrazine
Concen: 0.330 ng
RT: 16.672 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:200 Resp: 605

Ion	Ratio	Lower	Upper
200	100		
173	31.4	30.5	45.7
215	44.0	37.8	56.6

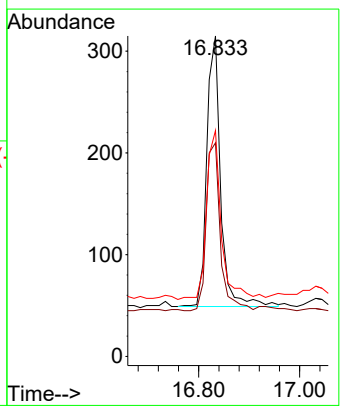


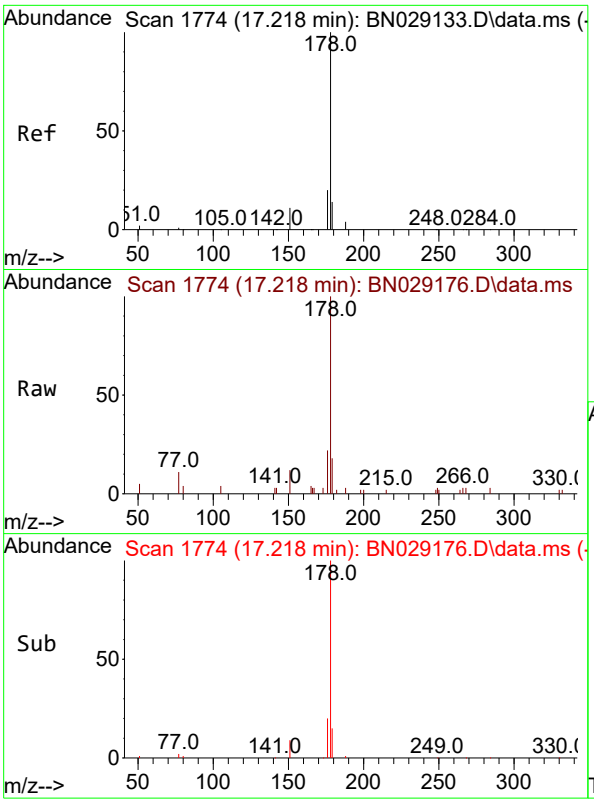


#24
Pentachlorophenol
Concen: 0.336 ng
RT: 16.833 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:266 Resp: 507

Ion	Ratio	Lower	Upper
266	100		
264	62.9	52.8	79.2
268	67.1	51.4	77.0



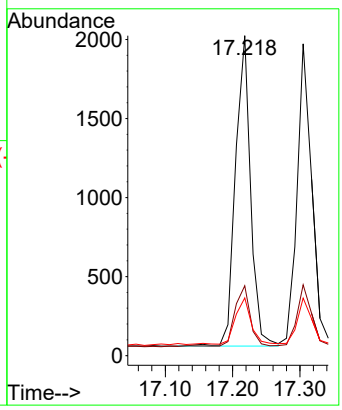


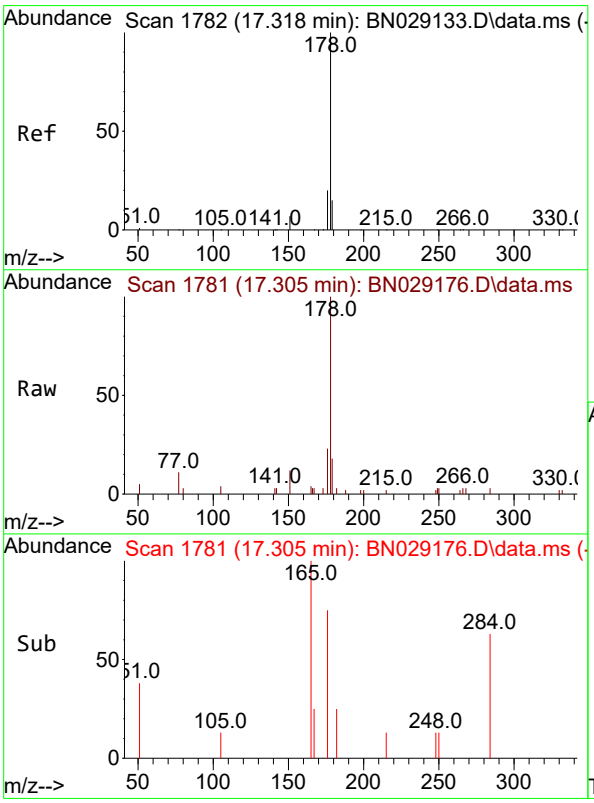
#25
Phenanthrene
Concen: 0.351 ng
RT: 17.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 3064

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	15.9	12.2	18.4

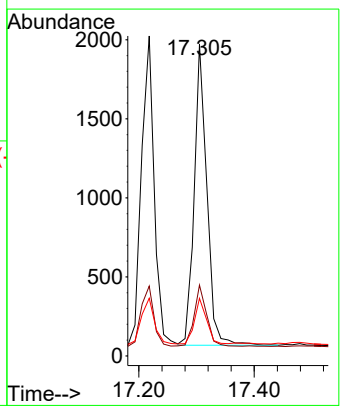


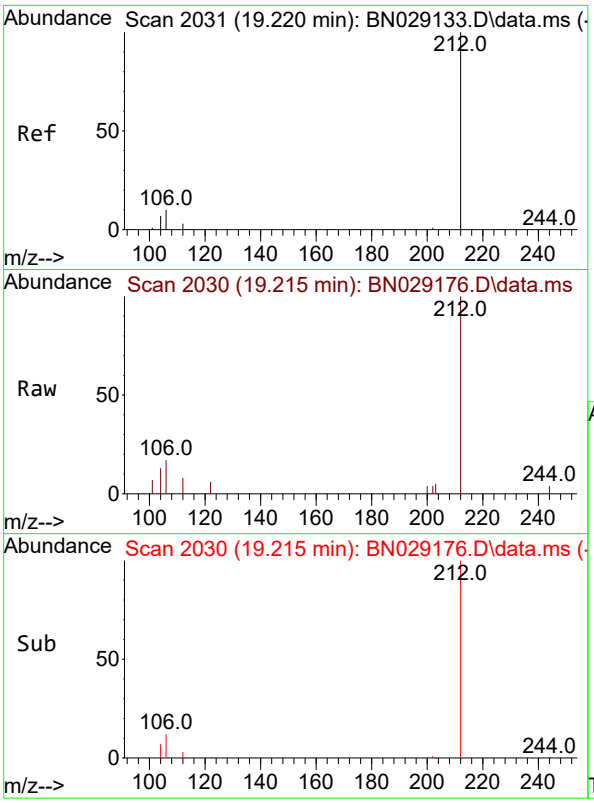


#26
Anthracene
Concen: 0.345 ng
RT: 17.305 min Scan# 1781
Delta R.T. -0.013 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:178 Resp: 2909

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	14.4	11.9	17.9



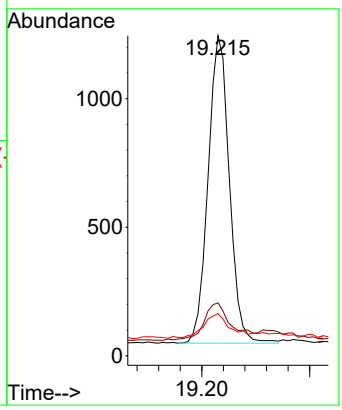


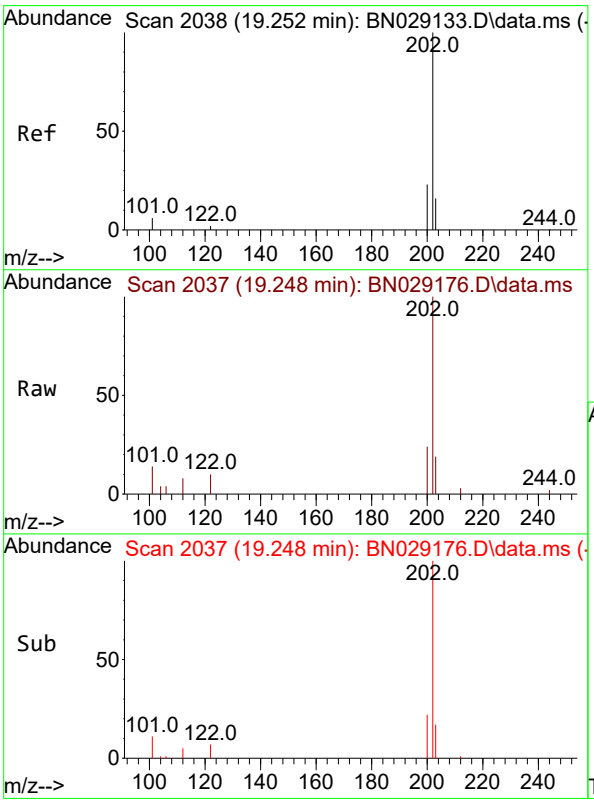
#27
Fluoranthene-d10
Concen: 0.319 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 1633

Ion	Ratio	Lower	Upper
212	100		
106	15.6	9.6	14.4#
104	10.7	5.8	8.6#

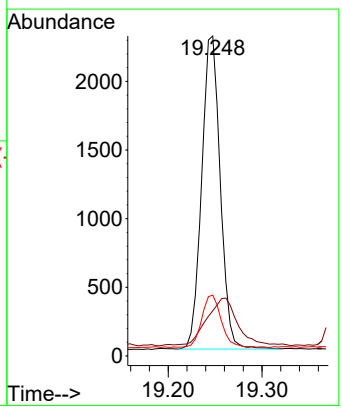


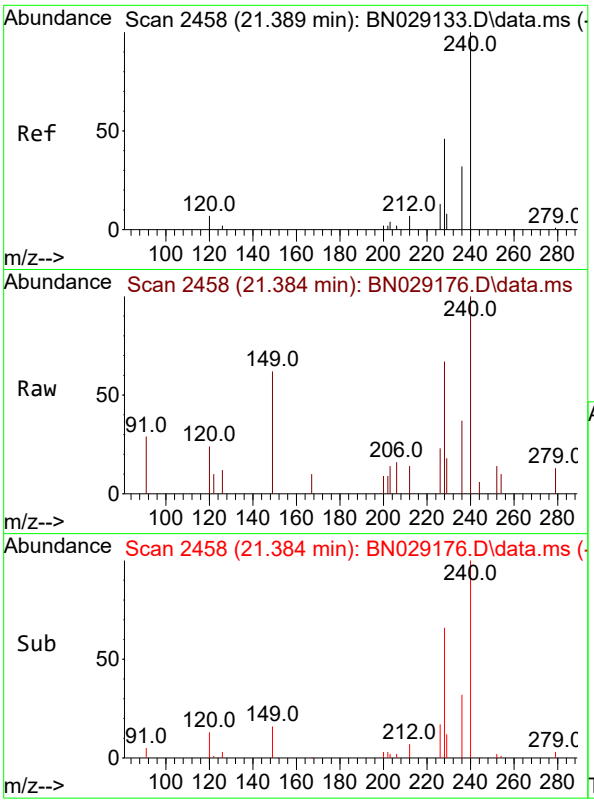


#28
Fluoranthene
Concen: 0.348 ng
RT: 19.248 min Scan# 2037
Delta R.T. -0.005 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:202 Resp: 3139

Ion	Ratio	Lower	Upper
202	100		
101	25.0	4.5	6.7#
203	17.9	13.7	20.5



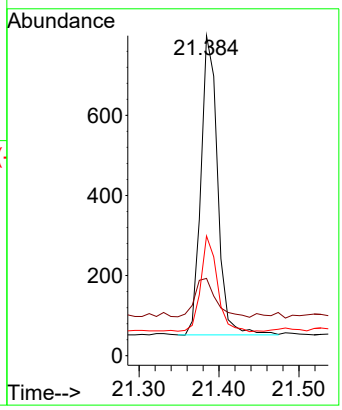


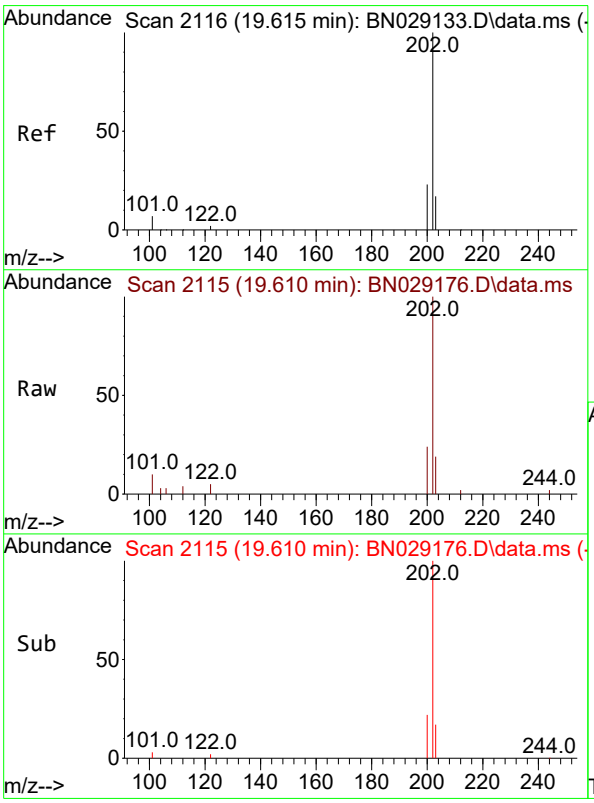
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 1077

Ion	Ratio	Lower	Upper
240	100		
120	24.2	23.9	35.9
236	37.4	31.3	46.9

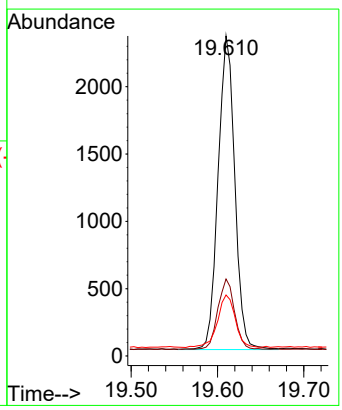


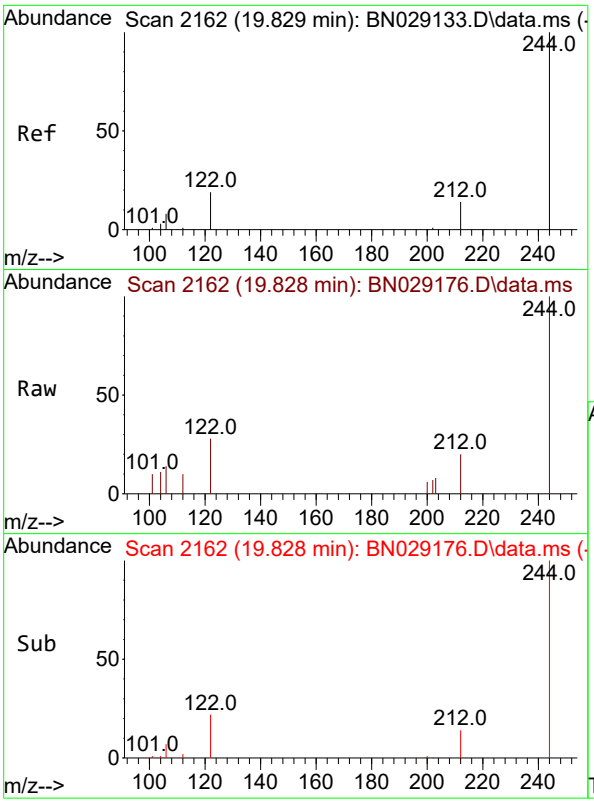


#30
Pyrene
Concen: 0.370 ng
RT: 19.610 min Scan# 2115
Delta R.T. -0.005 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:202 Resp: 3141

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	17.9	13.8	20.8



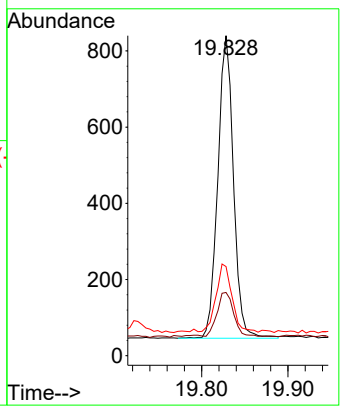


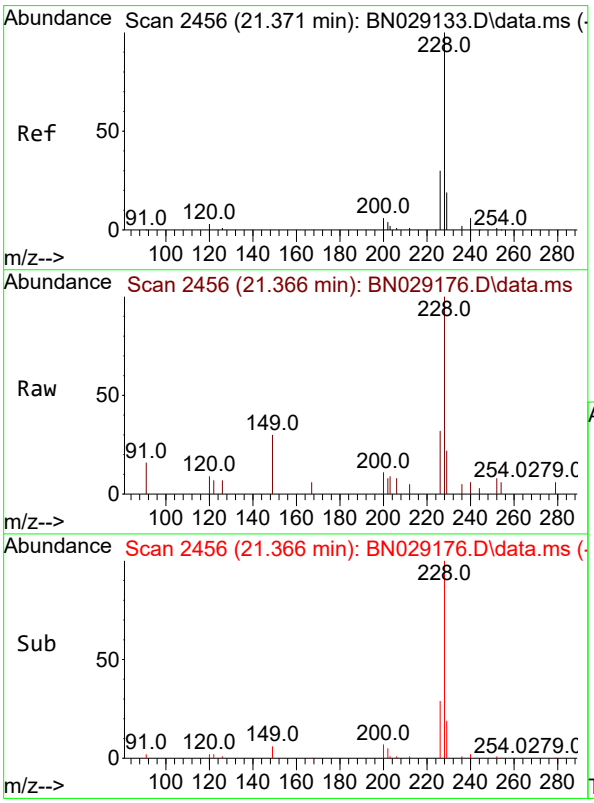
#31
Terphenyl-d14
Concen: 0.339 ng
RT: 19.828 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 1004

Ion	Ratio	Lower	Upper
244	100		
212	19.8	18.9	28.3
122	27.9	22.5	33.7

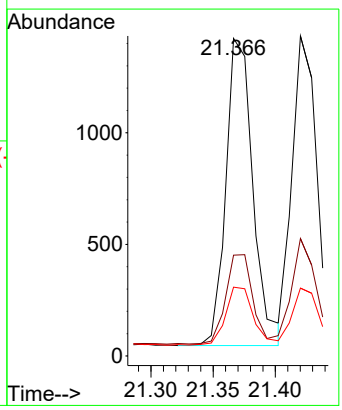


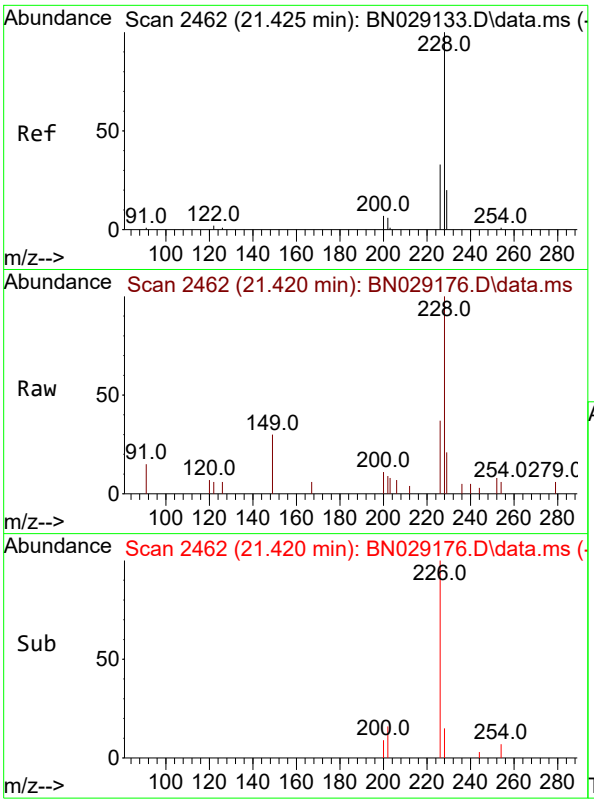


#32
Benzo(a)anthracene
Concen: 0.351 ng
RT: 21.366 min Scan# 2456
Delta R.T. -0.009 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:228 Resp: 2079

Ion	Ratio	Lower	Upper
228	100		
226	31.8	27.8	41.6
229	21.6	18.0	27.0



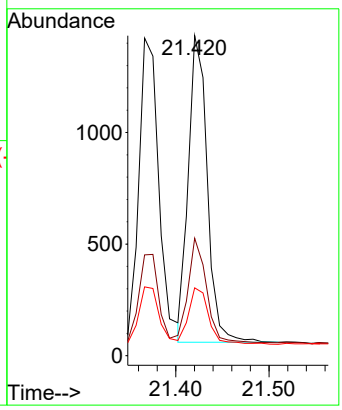


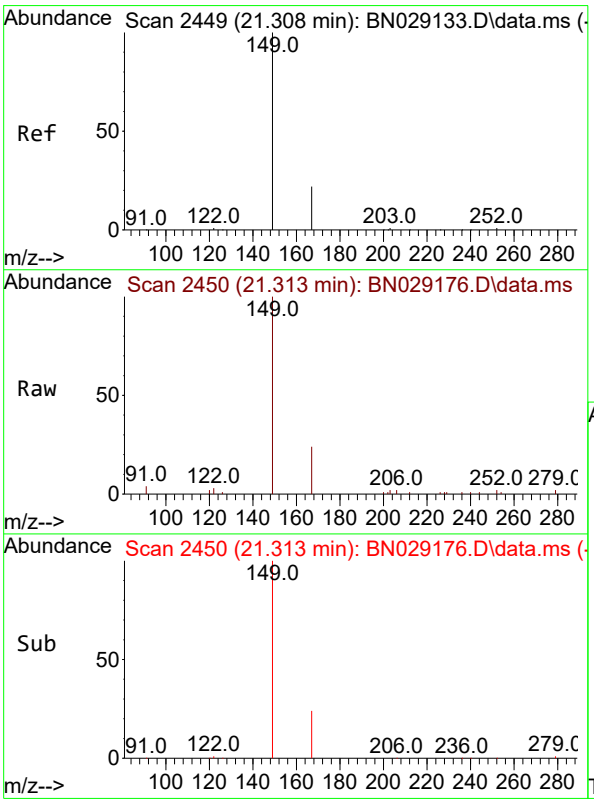
#33
Chrysene
Concen: 0.332 ng
RT: 21.420 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 1944

Ion	Ratio	Lower	Upper
228	100		
226	36.7	32.0	48.0
229	21.2	17.7	26.5

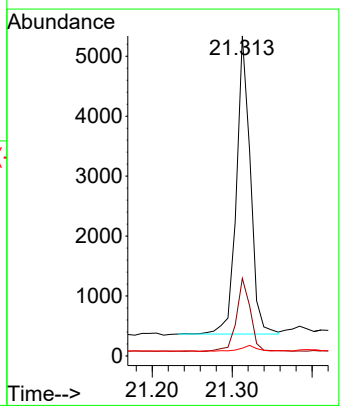


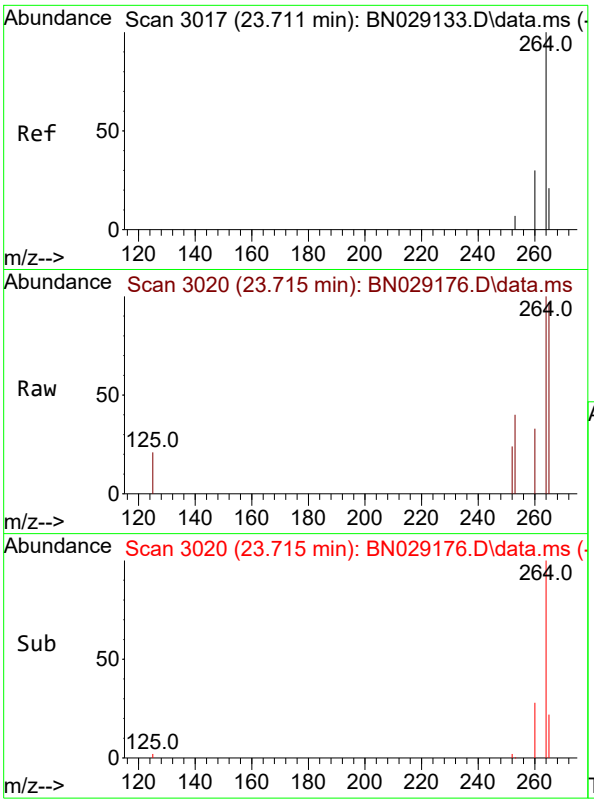


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.856 ng
RT: 21.313 min Scan# 2450
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:149 Resp: 6001

Ion	Ratio	Lower	Upper
149	100		
167	24.4	20.8	31.2
279	2.5	1.7	2.5#



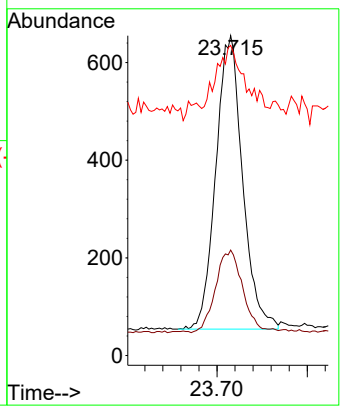


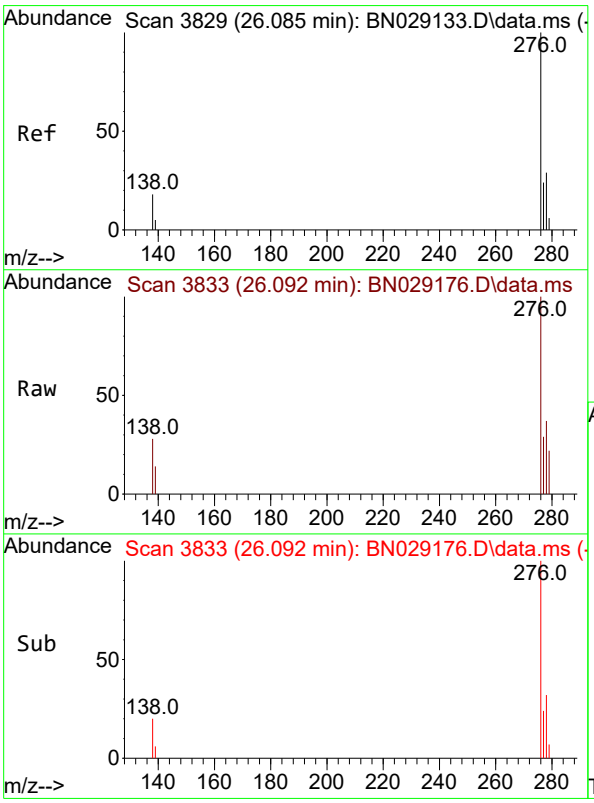
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.715 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:264 Resp: 1237

Ion	Ratio	Lower	Upper
264	100		
260	33.0	27.1	40.7
265	96.9	99.4	149.2#

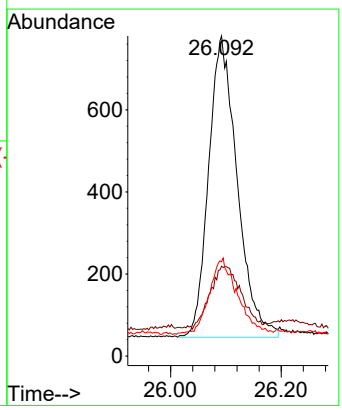


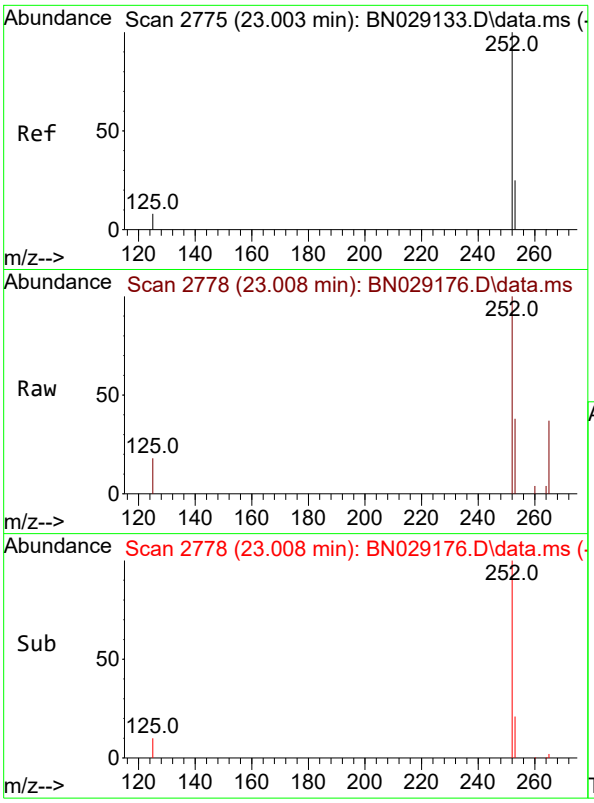


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.330 ng
RT: 26.092 min Scan# 3833
Delta R.T. -0.003 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:276 Resp: 2629

Ion	Ratio	Lower	Upper
276	100		
138	22.9	6.9	10.3#
277	25.2	18.4	27.6



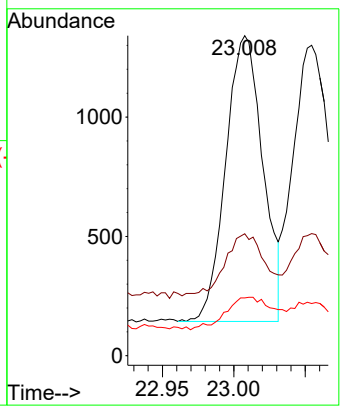


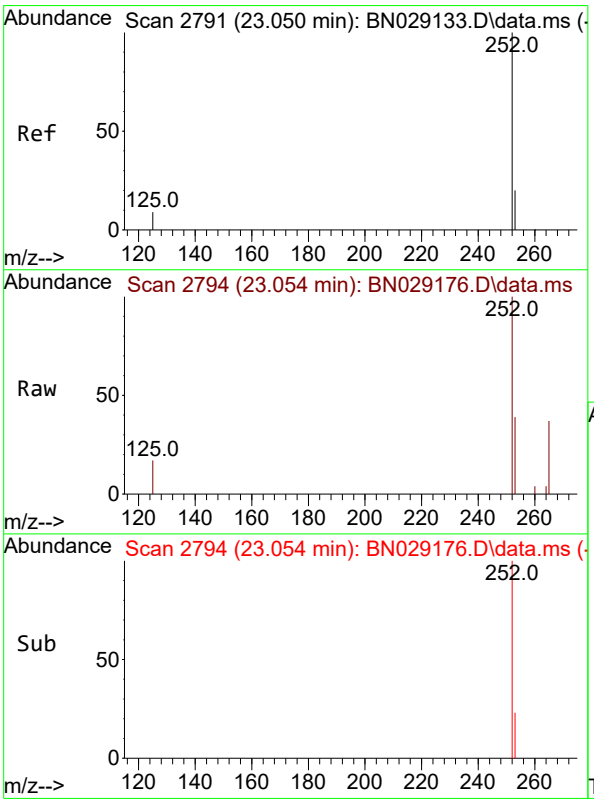
#37
Benzo(b)fluoranthene
Concen: 0.344 ng
RT: 23.008 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 2164

Ion	Ratio	Lower	Upper
252	100		
253	38.1	33.4	50.0
125	18.0	14.6	21.8

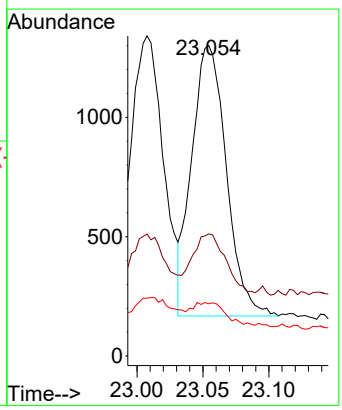


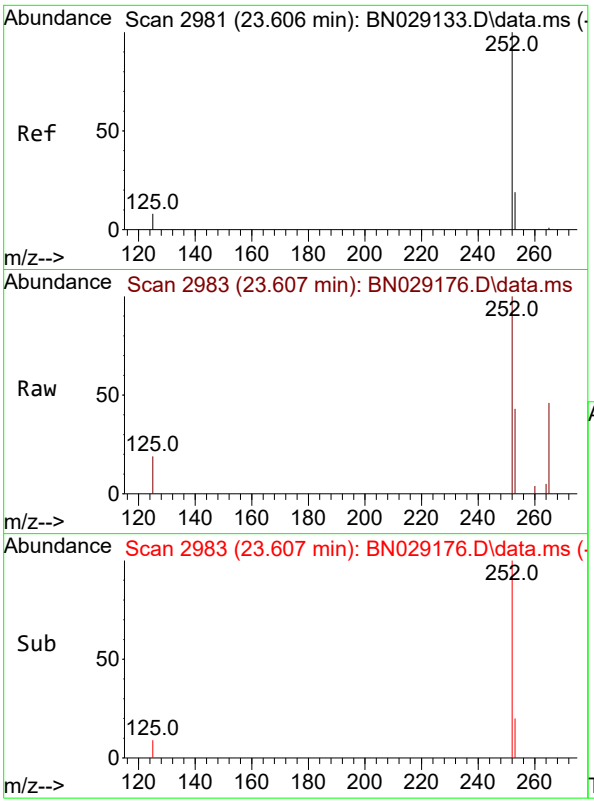


#38
Benzo(k)fluoranthene
Concen: 0.337 ng
RT: 23.054 min Scan# 2794
Delta R.T. 0.003 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:252 Resp: 2076

Ion	Ratio	Lower	Upper
252	100		
253	39.4	33.3	49.9
125	16.8	14.0	21.0



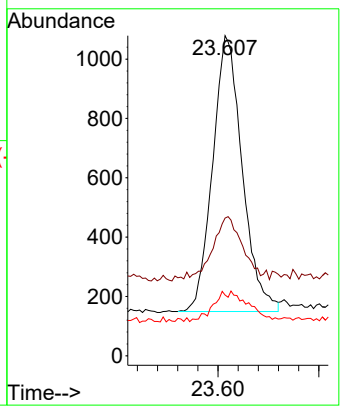


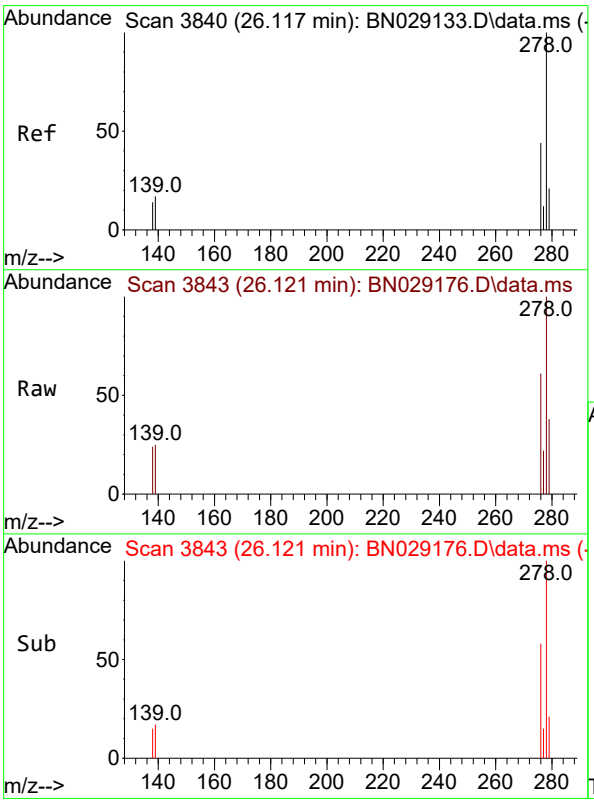
#39
Benzo(a)pyrene
Concen: 0.338 ng
RT: 23.607 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 1896

Ion	Ratio	Lower	Upper
252	100		
253	43.0	39.7	59.5
125	19.0	17.9	26.9

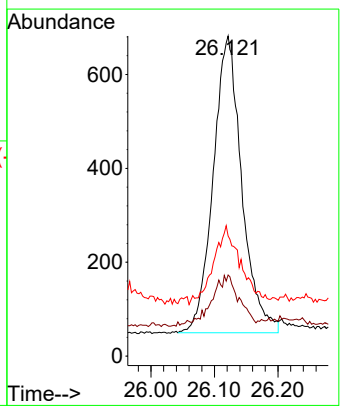


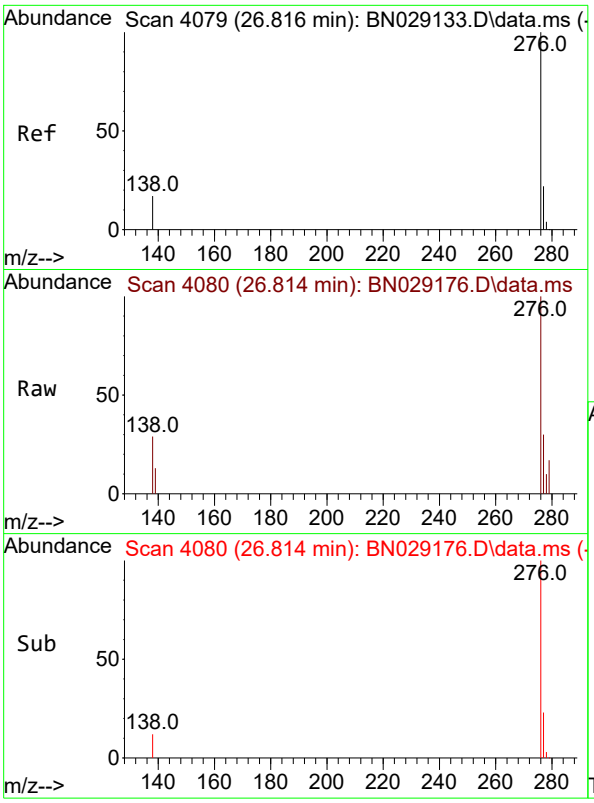


#40
Dibenzo(a,h)anthracene
Concen: 0.322 ng
RT: 26.121 min Scan# 3843
Delta R.T. 0.006 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Tgt Ion:278 Resp: 1973

Ion	Ratio	Lower	Upper
278	100		
139	25.4	21.8	32.6
279	37.5	39.9	59.9#





#41
Benzo(g,h,i)perylene
Concen: 0.329 ng
RT: 26.814 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN029176.D
Acq: 22 Dec 2023 14:31

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 2221

Ion	Ratio	Lower	Upper
276	100		
277	29.7	24.2	36.4
138	28.7	25.5	38.3