Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042524\
Data File : BN031233.D
Acq On : 25 Apr 2024 23:09
Operator : MA/JU
Sample : PB160504BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Quant Time: Apr 25 23:46:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 25 18:00:27 2024
Response via : Initial Calibration

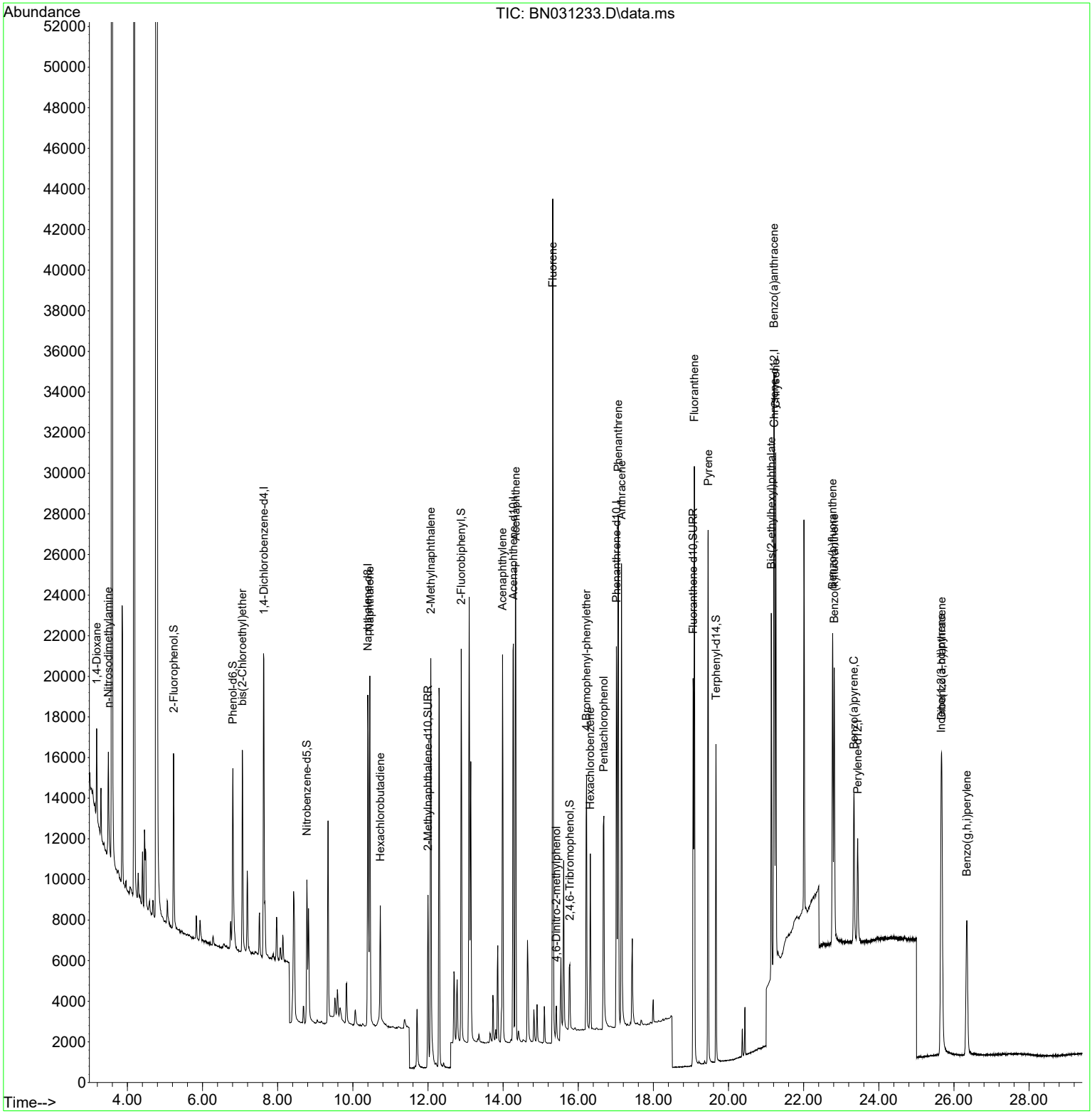
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.632	152	7649	0.400	ng		0.00
7) Naphthalene-d8	10.400	136	22849	0.400	ng		#-0.01
13) Acenaphthene-d10	14.274	164	12448	0.400	ng		0.00
19) Phenanthrene-d10	17.016	188	26925	0.400	ng		#-0.01
29) Chrysene-d12	21.220	240	15870	0.400	ng		#-0.02
35) Perylene-d12	23.437	264	6442	0.400	ng		#-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.234	112	7522	0.441	ng		0.00
5) Phenol-d6	6.808	99	9253	0.448	ng		0.00
8) Nitrobenzene-d5	8.777	82	6053	0.383	ng		0.00
11) 2-Methylnaphthalene-d10	12.002	152	11890	0.338	ng		0.00
14) 2,4,6-Tribromophenol	15.775	330	2062	0.427	ng		0.00
15) 2-Fluorobiphenyl	12.884	172	17140	0.410	ng		-0.01
27) Fluoranthene-d10	19.058	212	21138	0.291	ng		0.00
31) Terphenyl-d14	19.667	244	15352	0.417	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.183	88	2465	0.262	ng	#	64
3) n-Nitrosodimethylamine	3.493	42	3223	0.366	ng	#	97
6) bis(2-Chloroethyl)ether	7.061	93	7702	0.377	ng		94
9) Naphthalene	10.453	128	21818	0.346	ng		99
10) Hexachlorobutadiene	10.731	225	4184	0.331	ng	#	100
12) 2-Methylnaphthalene	12.077	142	14261	0.340	ng		98
16) Acenaphthylene	13.985	152	20880	0.381	ng		99
17) Acenaphthene	14.338	154	12958	0.335	ng		98
18) Fluorene	15.322	166	17076	0.333	ng		100
20) 4,6-Dinitro-2-methylph...	15.418	198	1379	0.439	ng	#	82
21) 4-Bromophenyl-phenylether	16.222	248	5432	0.340	ng	#	78
22) Hexachlorobenzene	16.321	284	6222	0.333	ng		97
24) Pentachlorophenol	16.681	266	6196	0.945	ng		99
25) Phenanthrene	17.066	178	26414	0.332	ng		100
26) Anthracene	17.153	178	23186	0.353	ng		100
28) Fluoranthene	19.091	202	26592	0.279	ng		100
30) Pyrene	19.458	202	24197	0.393	ng		100
32) Benzo(a)anthracene	21.211	228	21188	0.383	ng		98
33) Chrysene	21.256	228	20741	0.345	ng		98
34) Bis(2-ethylhexyl)phtha...	21.139	149	15393	0.608	ng		99
36) Indeno(1,2,3-cd)pyrene	25.659	276	17364	0.580	ng		99
37) Benzo(b)fluoranthene	22.771	252	19281	0.725	ng	#	94
38) Benzo(k)fluoranthene	22.815	252	16809	0.646	ng	#	92
39) Benzo(a)pyrene	23.338	252	11161	0.504	ng	#	84
40) Dibenzo(a,h)anthracene	25.677	278	17001	0.709	ng		94
41) Benzo(g,h,i)perylene	26.343	276	13796	0.522	ng		94

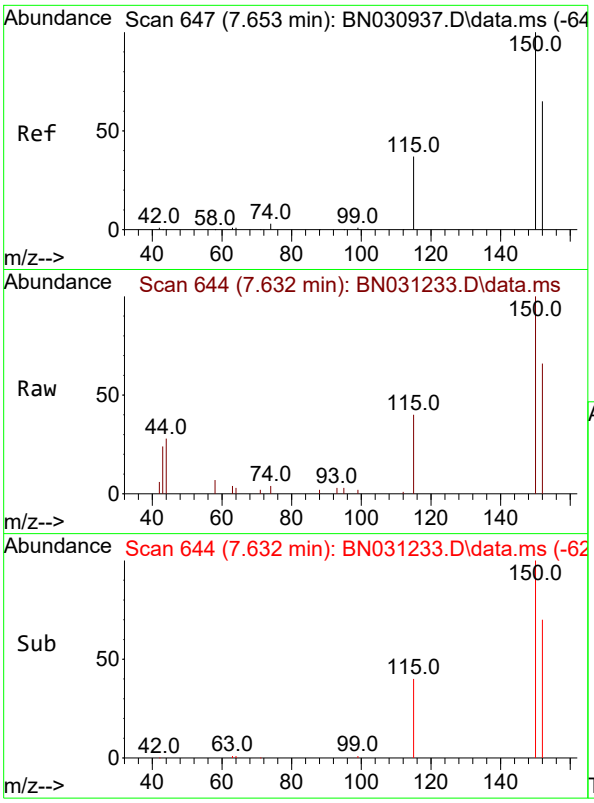
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042524\
Data File : BN031233.D
Acq On : 25 Apr 2024 23:09
Operator : MA/JU
Sample : PB160504BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Quant Time: Apr 25 23:46:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN041524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 25 18:00:27 2024
Response via : Initial Calibration



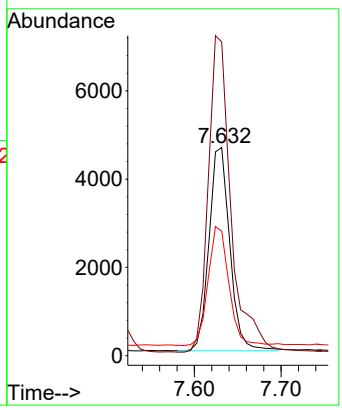


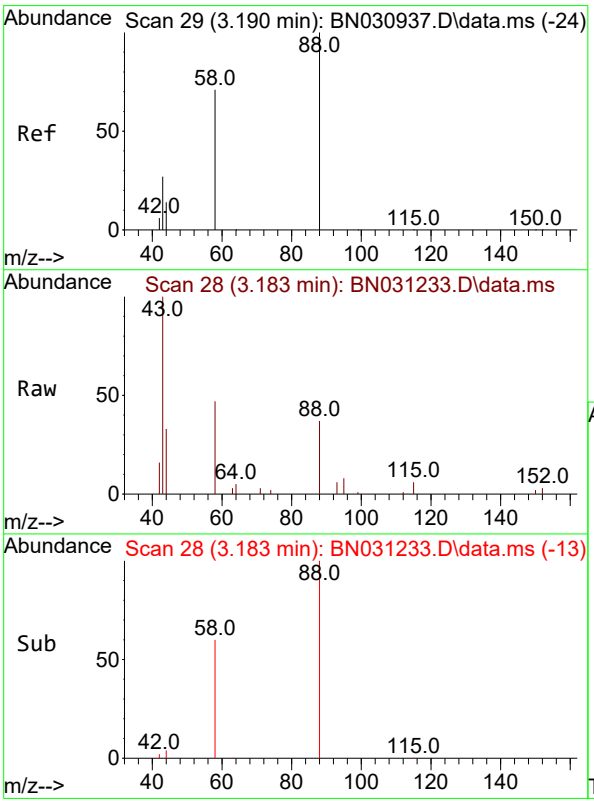
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.632 min Scan# 64
Delta R.T. 0.008 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:152 Resp: 7649

Ion	Ratio	Lower	Upper
152	100		
150	150.8	121.7	182.5
115	59.9	47.8	71.8

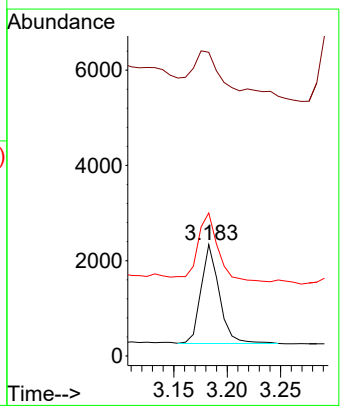


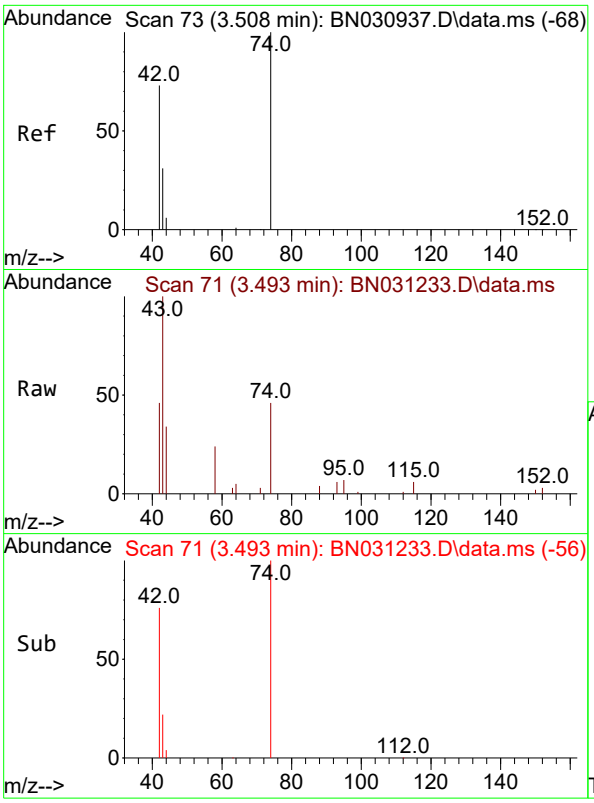


#2
1,4-Dioxane
Concen: 0.262 ng
RT: 3.183 min Scan# 28
Delta R.T. 0.007 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion: 88 Resp: 2465

Ion	Ratio	Lower	Upper
88	100		
43	78.7	23.7	35.5#
58	79.4	55.7	83.5



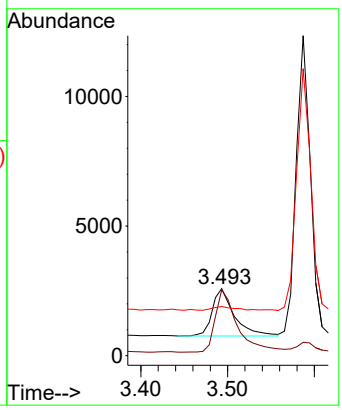


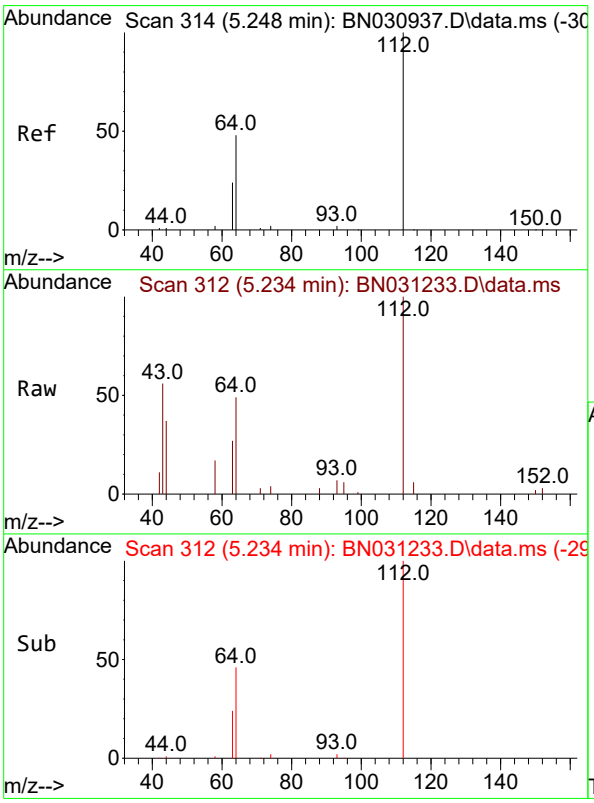
#3
n-Nitrosodimethylamine
Concen: 0.366 ng
RT: 3.493 min Scan# 7
Delta R.T. 0.007 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion: 42 Resp: 3223

Ion	Ratio	Lower	Upper
42	100		
74	130.3	103.1	154.7
44	0.0	7.0	10.6#

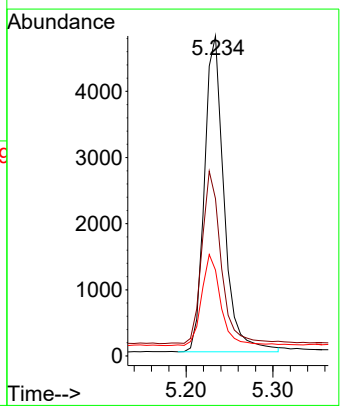


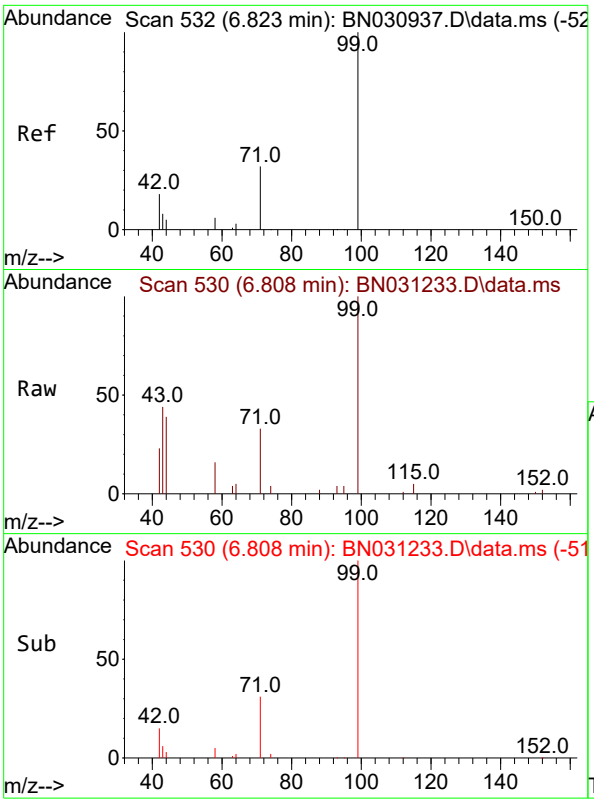


#4
2-Fluorophenol
Concen: 0.441 ng
RT: 5.234 min Scan# 312
Delta R.T. 0.007 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:112 Resp: 7522

Ion	Ratio	Lower	Upper
112	100		
64	53.0	43.4	65.2
63	28.2	22.2	33.2



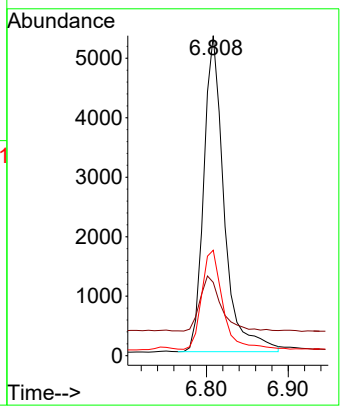


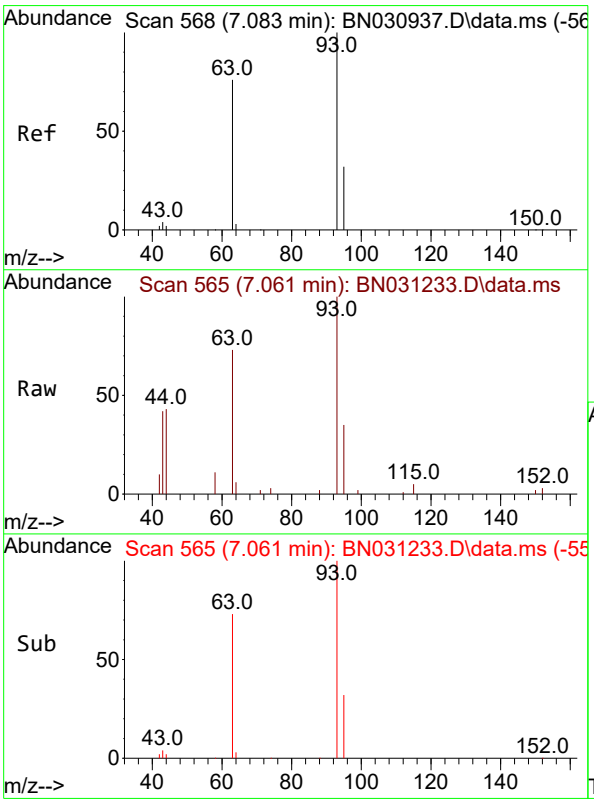
#5
Phenol-d6
Concen: 0.448 ng
RT: 6.808 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion: 99 Resp: 9253

Ion	Ratio	Lower	Upper
99	100		
42	17.9	16.4	24.6
71	32.1	26.3	39.5

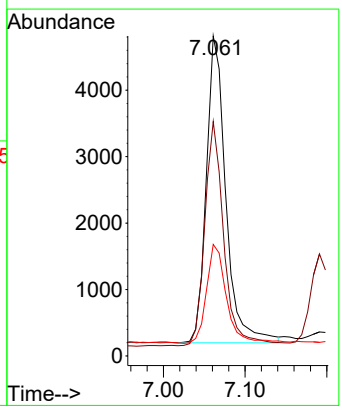


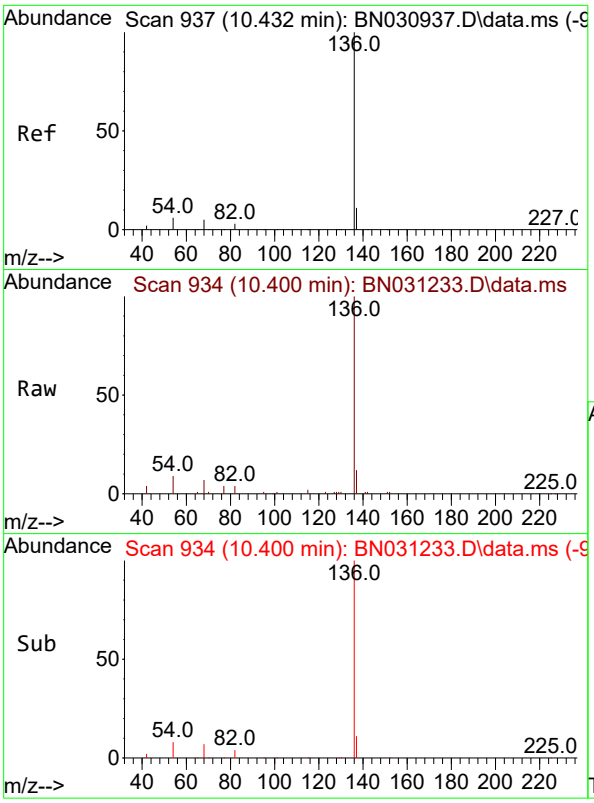


#6
bis(2-Chloroethyl)ether
Concen: 0.377 ng
RT: 7.061 min Scan# 565
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion: 93 Resp: 7702

Ion	Ratio	Lower	Upper
93	100		
63	71.0	61.8	92.8
95	32.6	27.4	41.0



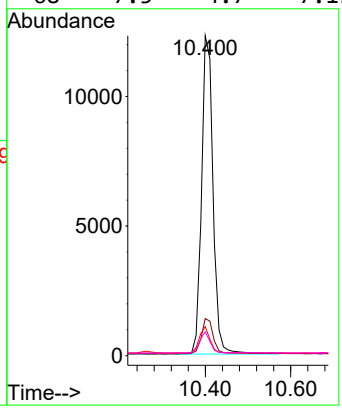


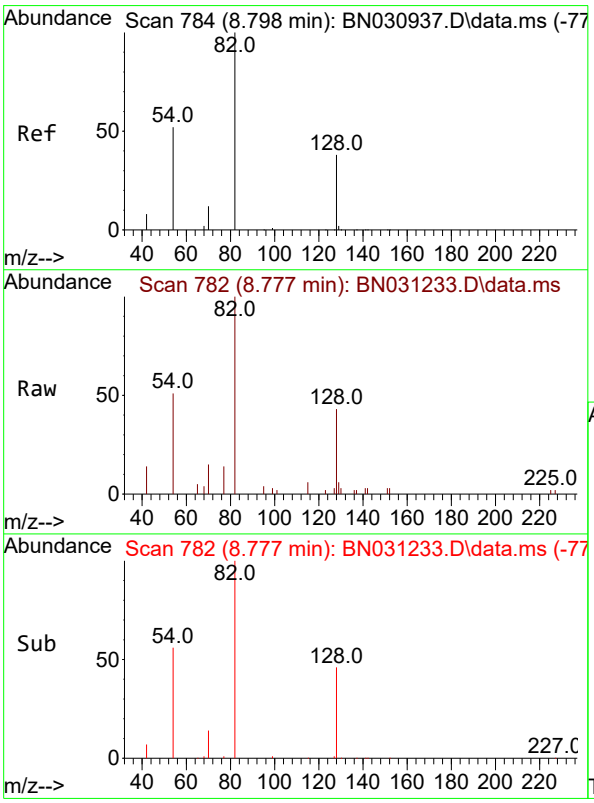
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.400 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:136 Resp: 22849

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	9.0	5.3	7.9#
68	7.5	4.7	7.1#

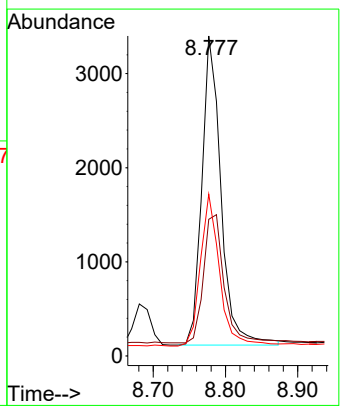


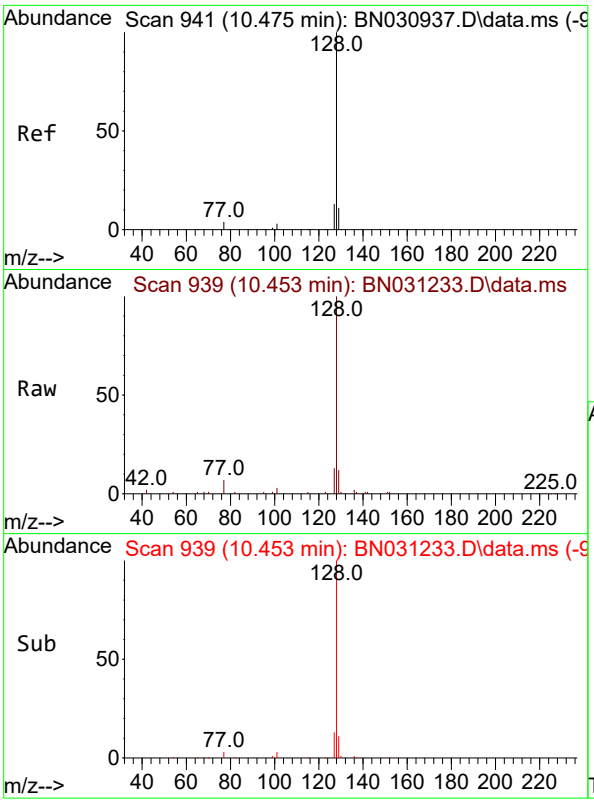


#8
Nitrobenzene-d5
Concen: 0.383 ng
RT: 8.777 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion: 82 Resp: 6053

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.7	50.5
54	50.6	43.7	65.5



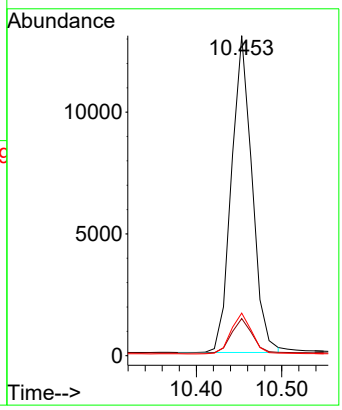


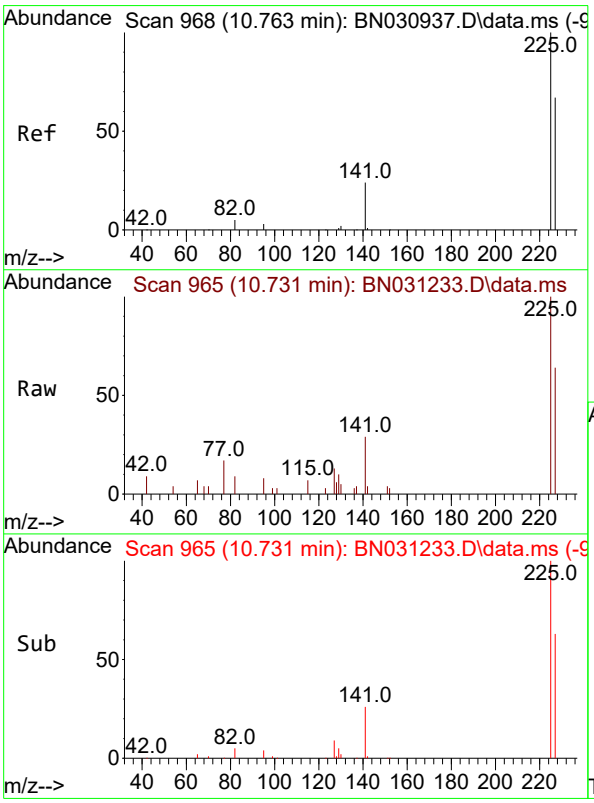
#9
Naphthalene
Concen: 0.346 ng
RT: 10.453 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:128 Resp: 21818

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.0
127	13.3	10.9	16.3

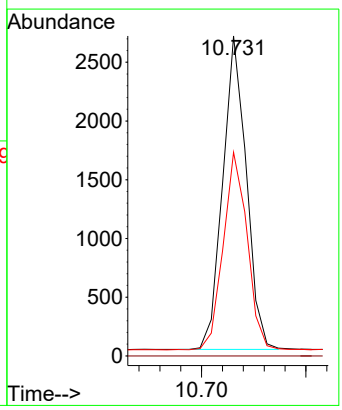


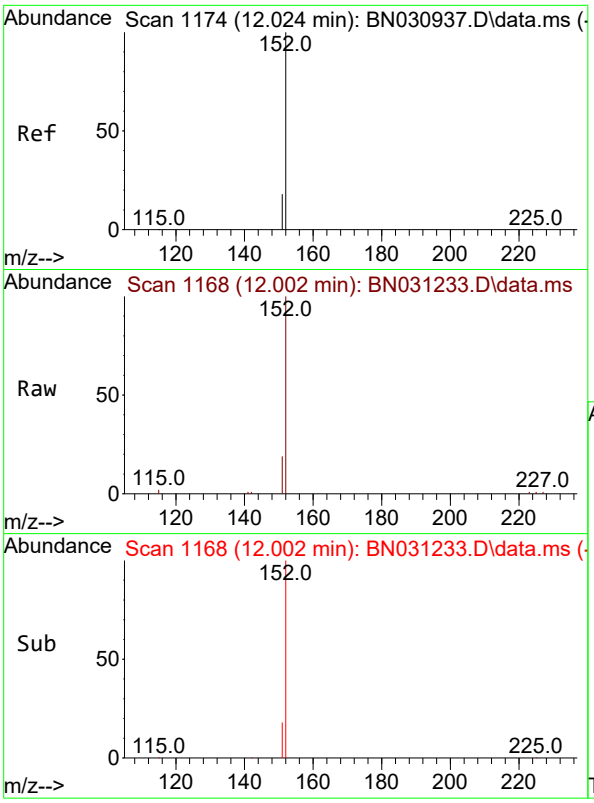


#10
Hexachlorobutadiene
Concen: 0.331 ng
RT: 10.731 min Scan# 965
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:225 Resp: 4184

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9



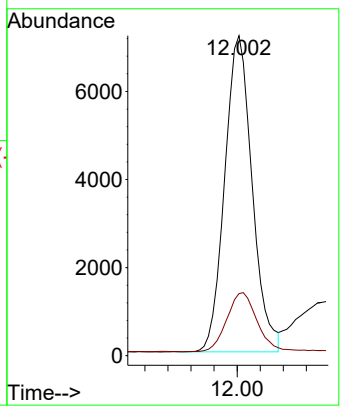


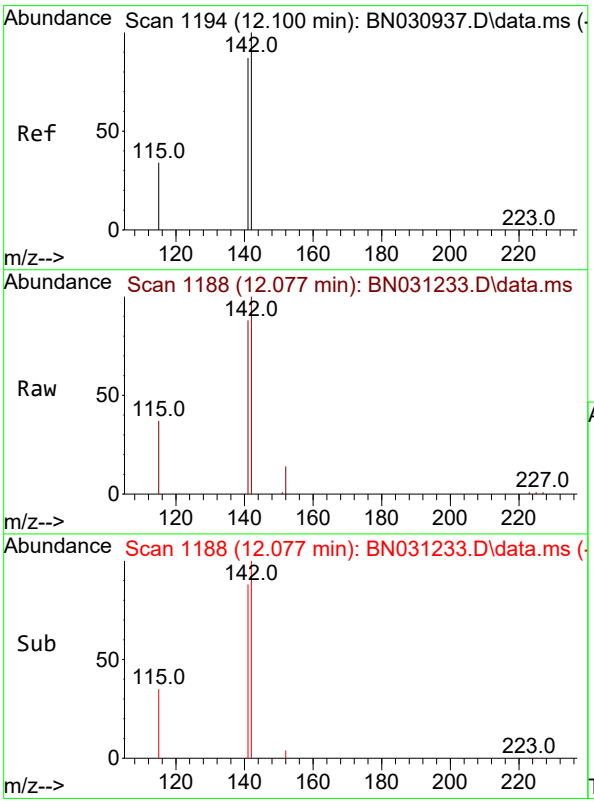
#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 12.002 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:152 Resp: 11890

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.7	25.1

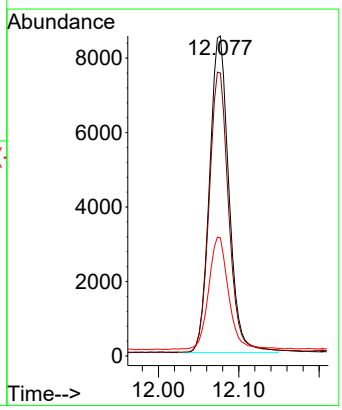


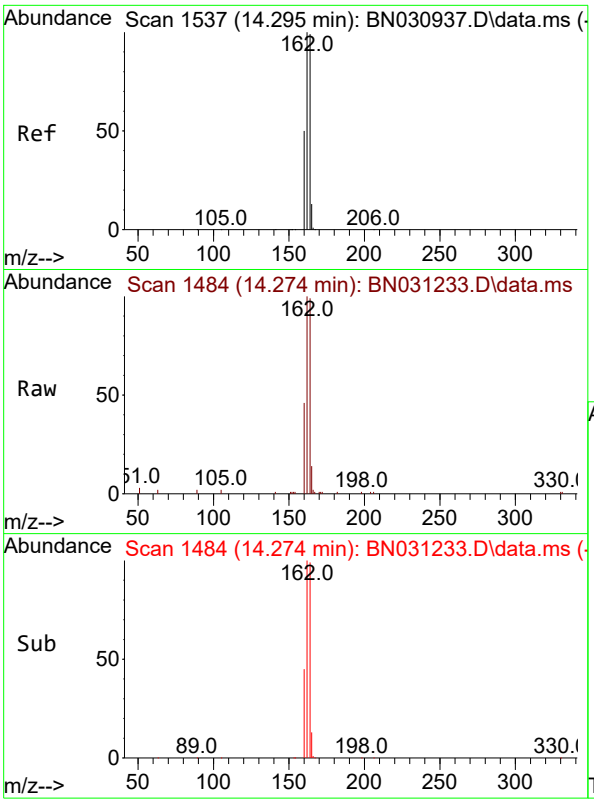


#12
2-Methylnaphthalene
Concen: 0.340 ng
RT: 12.077 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:142 Resp: 14261

Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.8	104.8
115	36.9	28.3	42.5



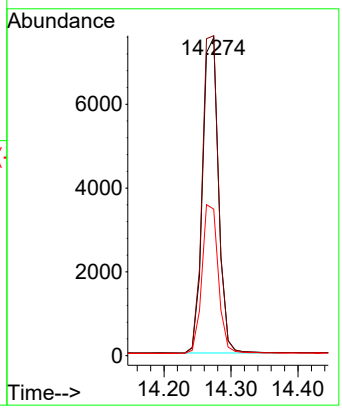


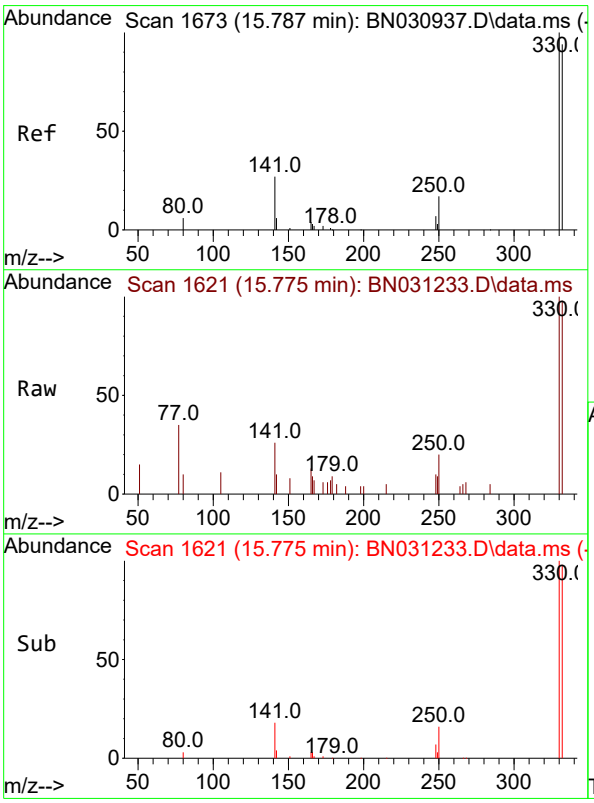
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.274 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:164 Resp: 12448

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	46.1	40.7	61.1

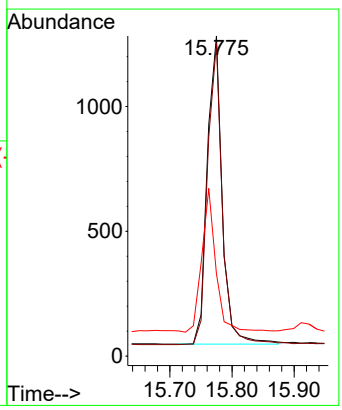


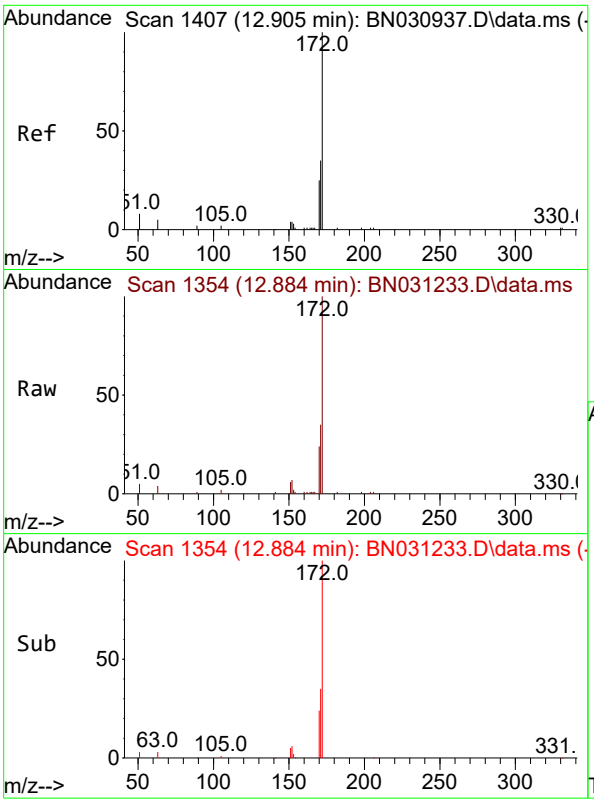


#14
2,4,6-Tribromophenol
Concen: 0.427 ng
RT: 15.775 min Scan# 1621
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:330 Resp: 2062

Ion	Ratio	Lower	Upper
330	100		
332	96.5	74.2	111.2
141	41.9	37.2	55.8



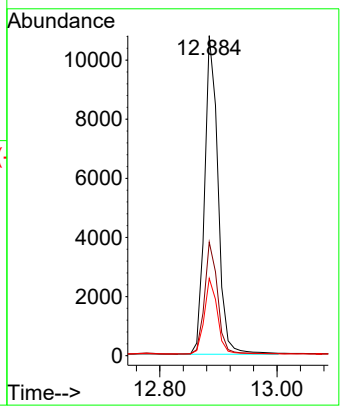


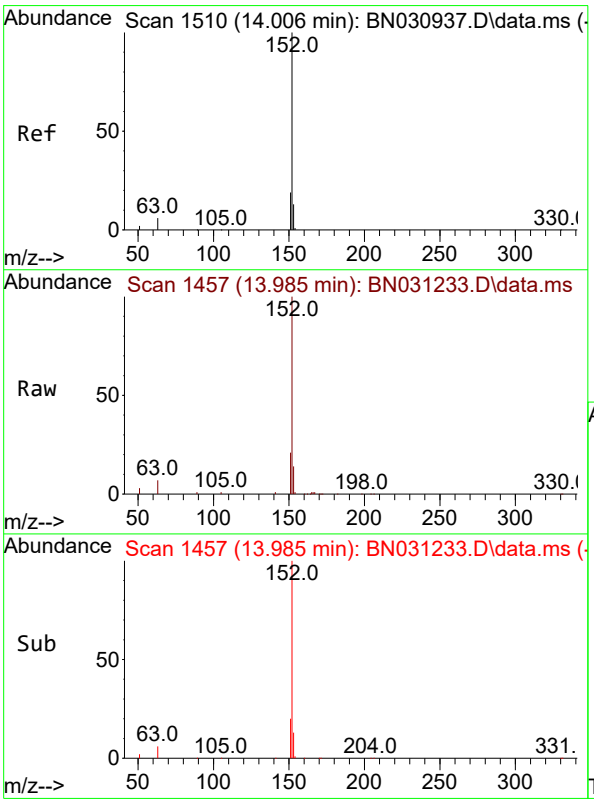
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.884 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:172 Resp: 17140

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	24.1	19.8	29.8

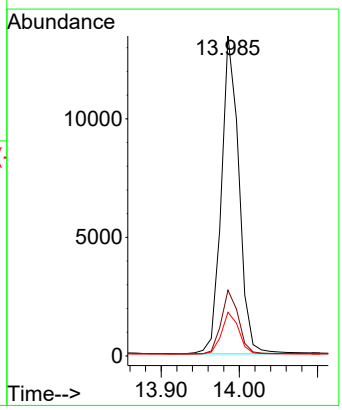


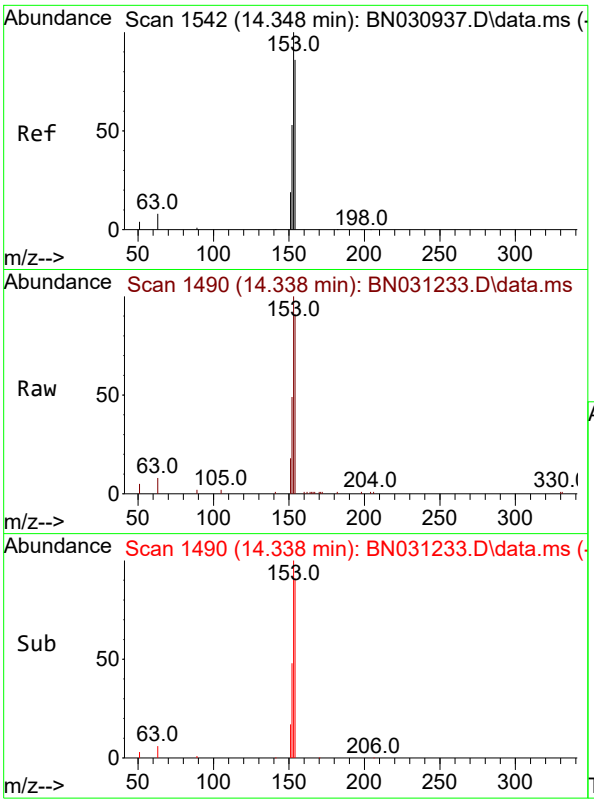


#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.985 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:152 Resp: 20880

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.3	22.9
153	13.2	10.4	15.6



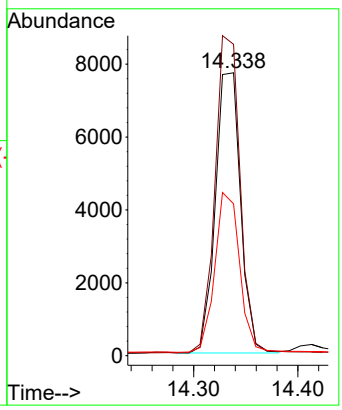


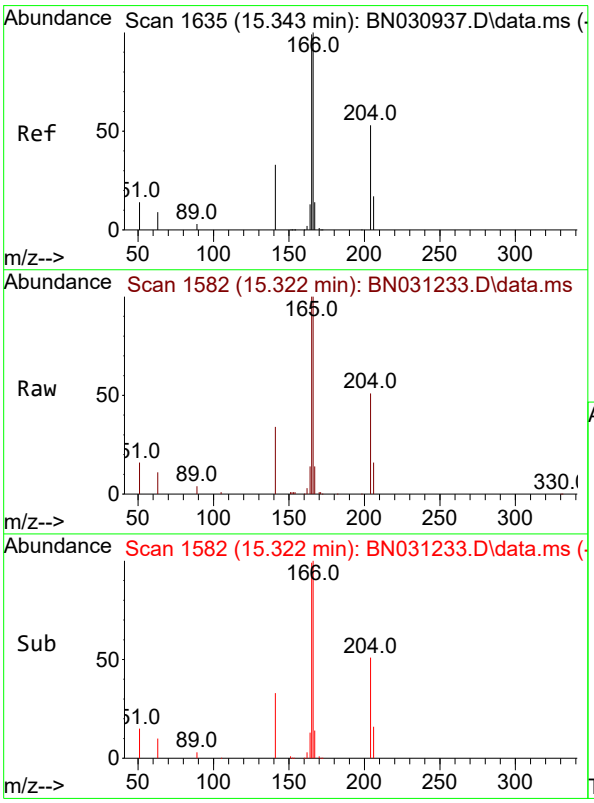
#17
Acenaphthene
Concen: 0.335 ng
RT: 14.338 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:154 Resp: 12958

Ion	Ratio	Lower	Upper
154	100		
153	112.5	91.1	136.7
152	56.2	47.6	71.4

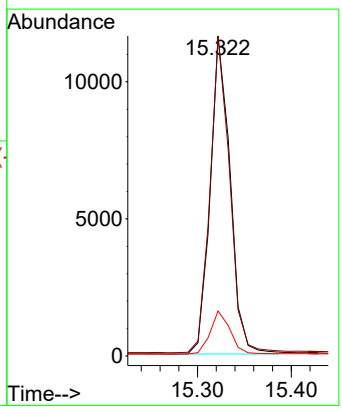


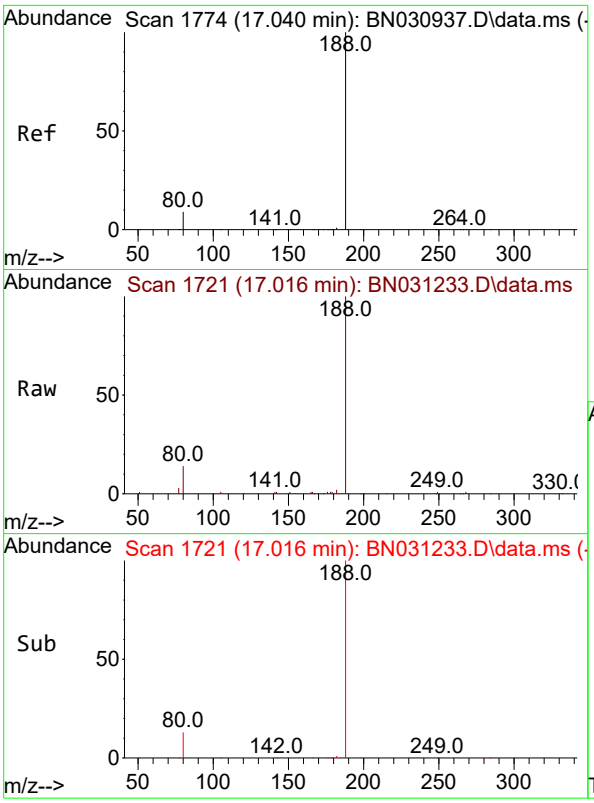


#18
Fluorene
Concen: 0.333 ng
RT: 15.322 min Scan# 1582
Delta R.T. -0.011 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:166 Resp: 17076

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.3	117.5
167	13.6	11.1	16.7



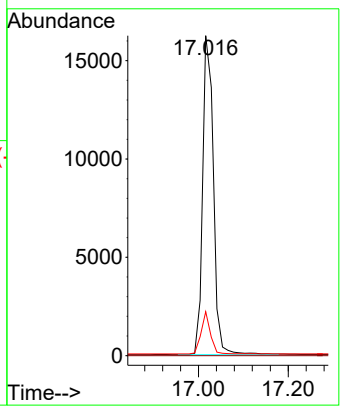


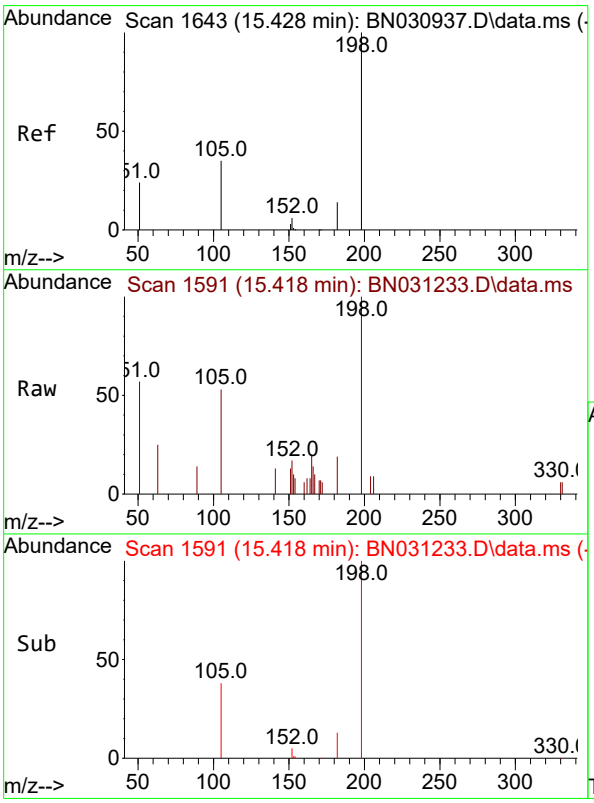
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.016 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:188 Resp: 26925

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.7	7.4	11.2#

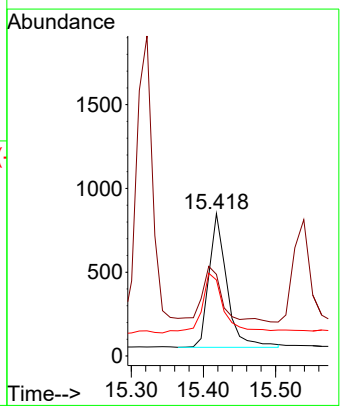


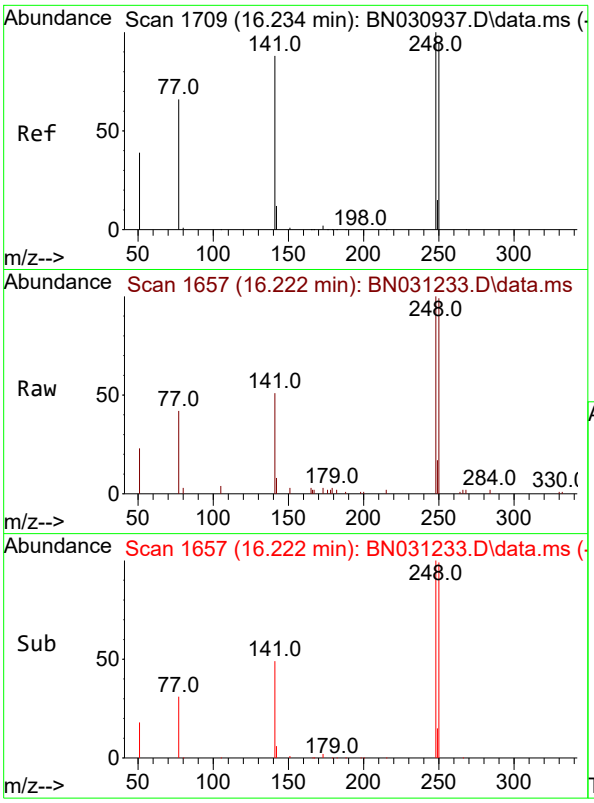


#20
4,6-Dinitro-2-methylphenol
Concen: 0.439 ng
RT: 15.418 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:198 Resp: 1379

Ion	Ratio	Lower	Upper
198	100		
51	57.3	65.2	97.8#
105	53.4	41.0	61.4



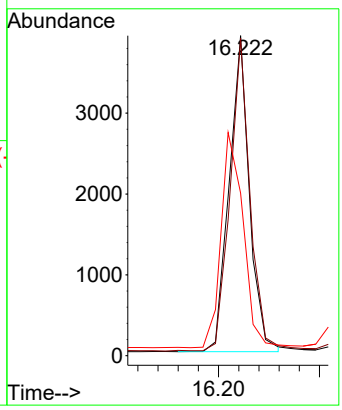


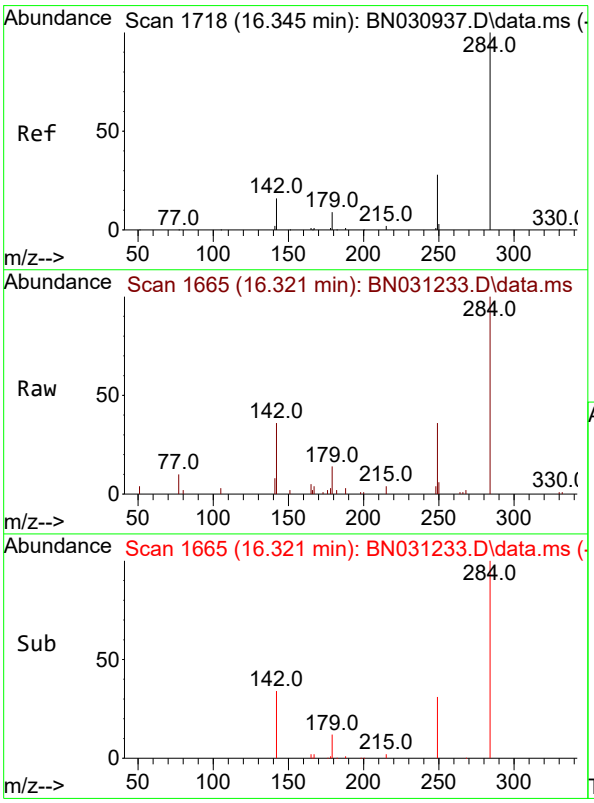
#21
4-Bromophenyl-phenylether
Concen: 0.340 ng
RT: 16.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:248 Resp: 5432

Ion	Ratio	Lower	Upper
248	100		
250	99.3	76.1	114.1
141	50.8	71.1	106.7#

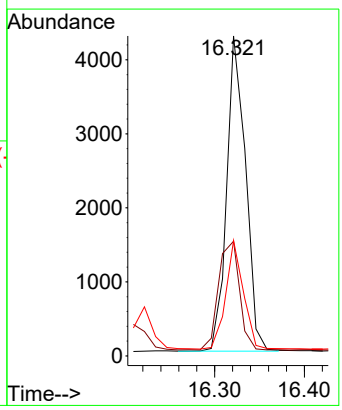


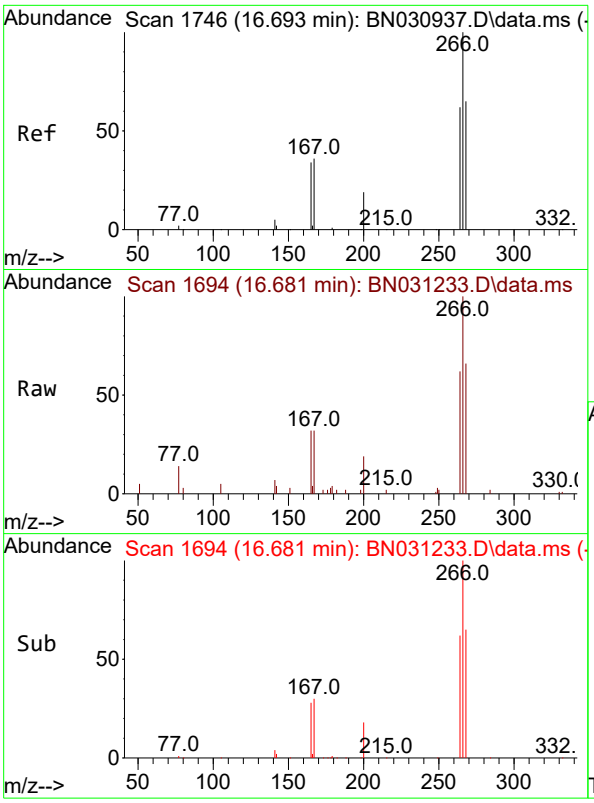


#22
Hexachlorobenzene
Concen: 0.333 ng
RT: 16.321 min Scan# 1665
Delta R.T. -0.013 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:284 Resp: 6222

Ion	Ratio	Lower	Upper
284	100		
142	38.2	33.0	49.4
249	32.1	25.5	38.3



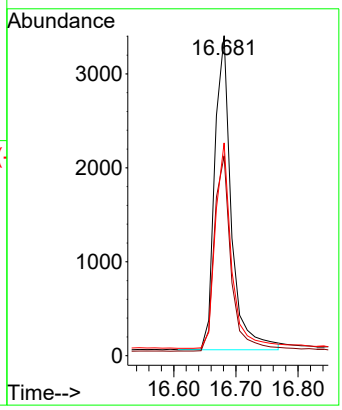


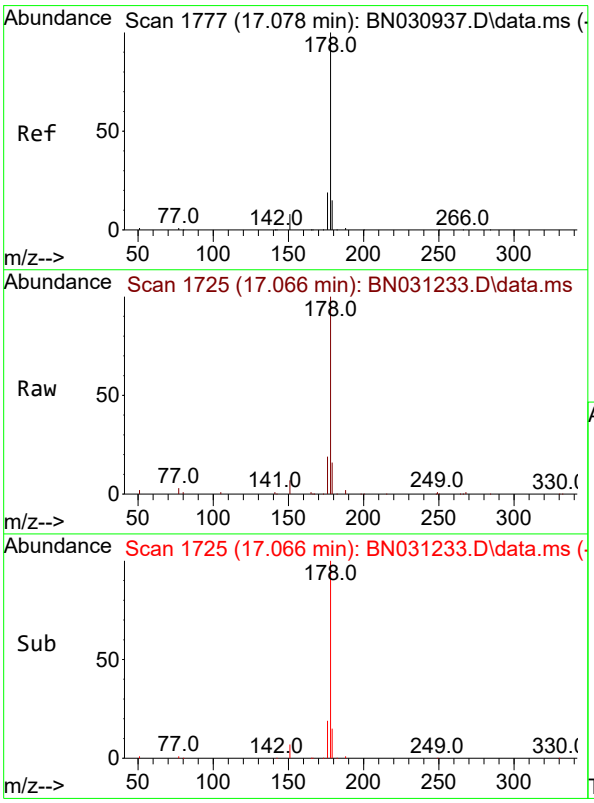
#24
Pentachlorophenol
Concen: 0.945 ng
RT: 16.681 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:266 Resp: 6196

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.2	75.2
268	64.0	52.3	78.5

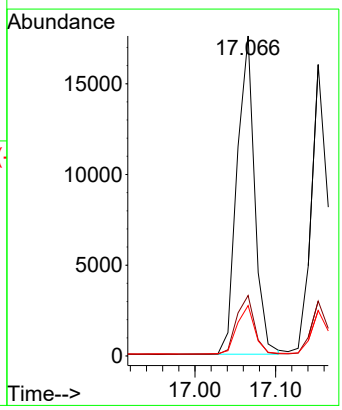


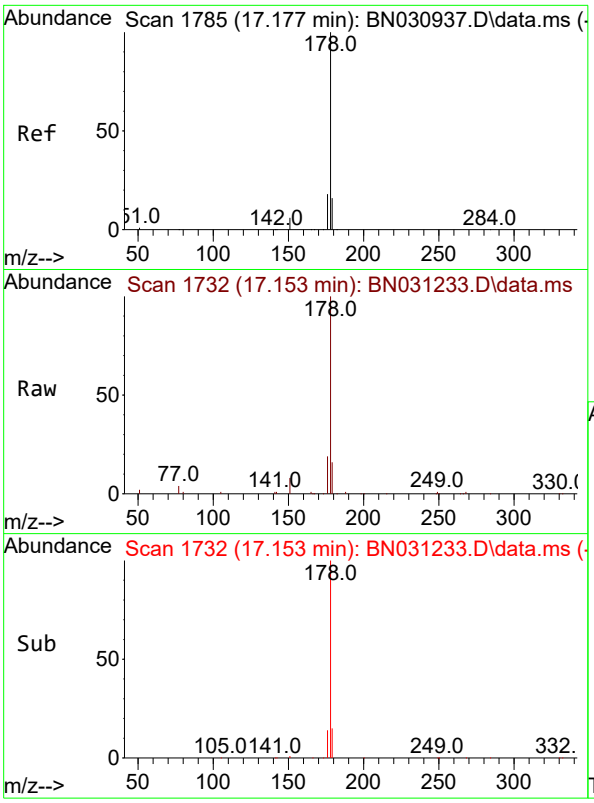


#25
Phenanthrene
Concen: 0.332 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:178 Resp: 26414

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.3	12.2	18.2



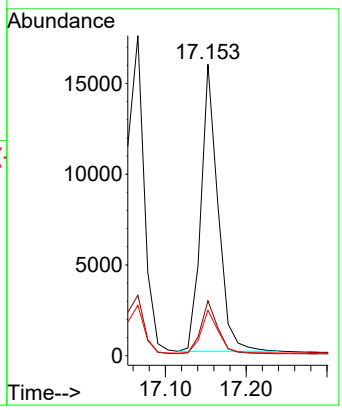


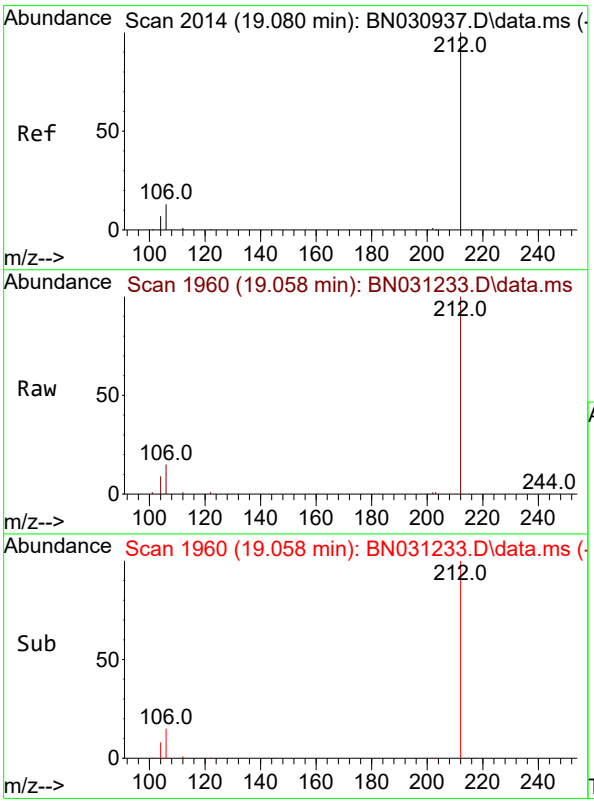
#26
Anthracene
Concen: 0.353 ng
RT: 17.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:178 Resp: 23186

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.2	12.3	18.5

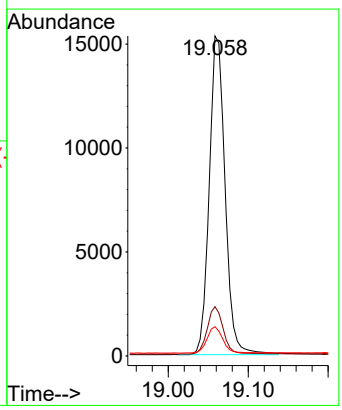


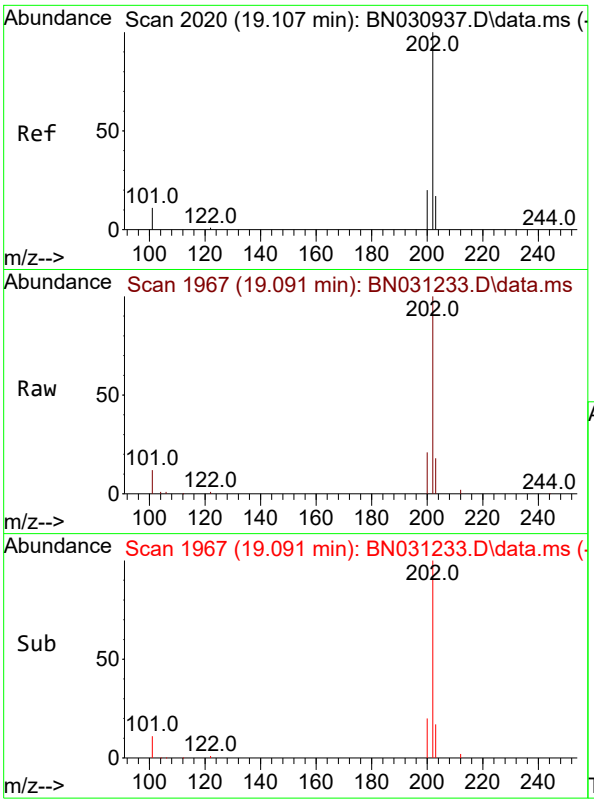


#27
Fluoranthene-d10
Concen: 0.291 ng
RT: 19.058 min Scan# 1960
Delta R.T. -0.009 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:212 Resp: 21138

Ion	Ratio	Lower	Upper
212	100		
106	15.1	12.0	18.0
104	8.4	6.7	10.1



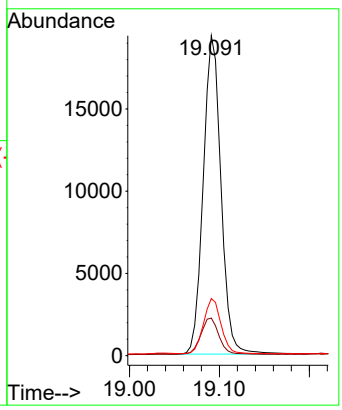


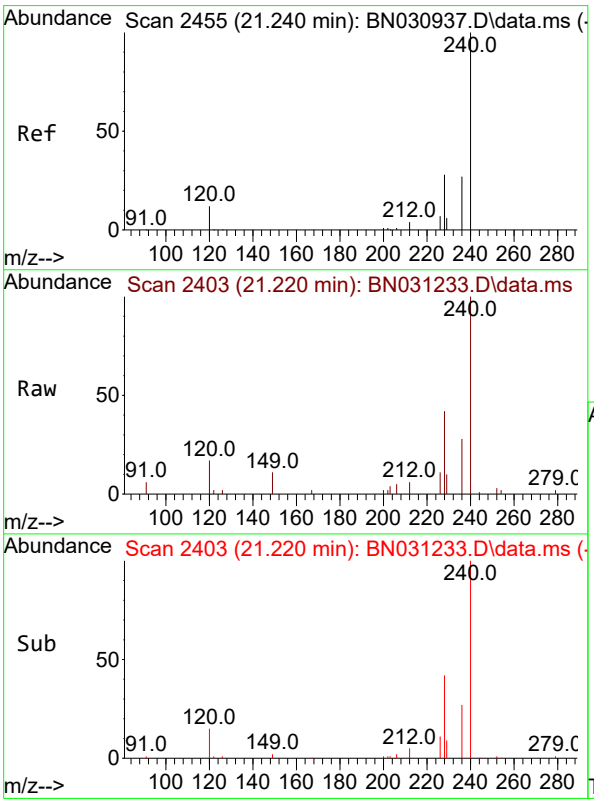
#28
Fluoranthene
Concen: 0.279 ng
RT: 19.091 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:202 Resp: 26592

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.4	14.2
203	17.1	13.8	20.8

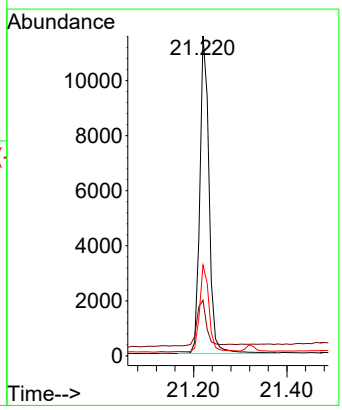


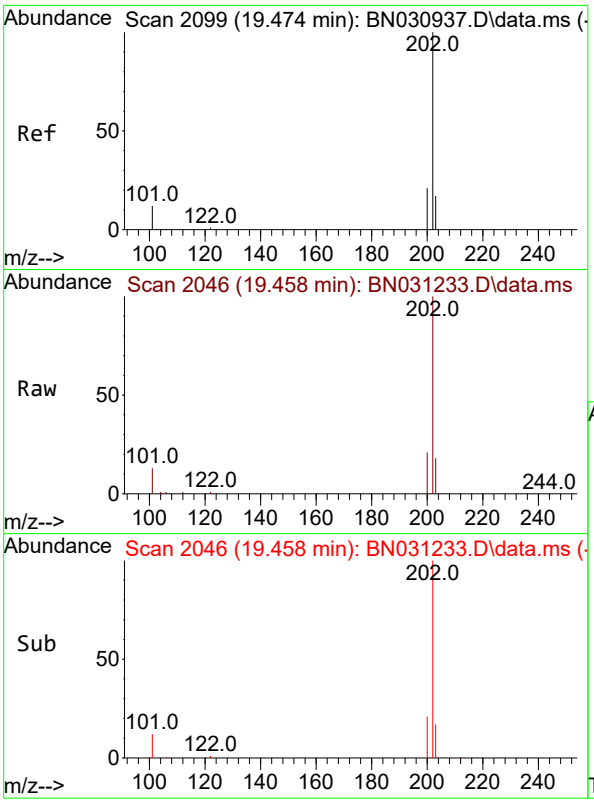


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.220 min Scan# 2403
Delta R.T. -0.018 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:240 Resp: 15870

Ion	Ratio	Lower	Upper
240	100		
120	17.4	11.0	16.4#
236	28.4	22.3	33.5



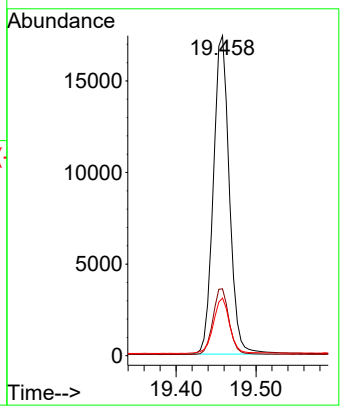


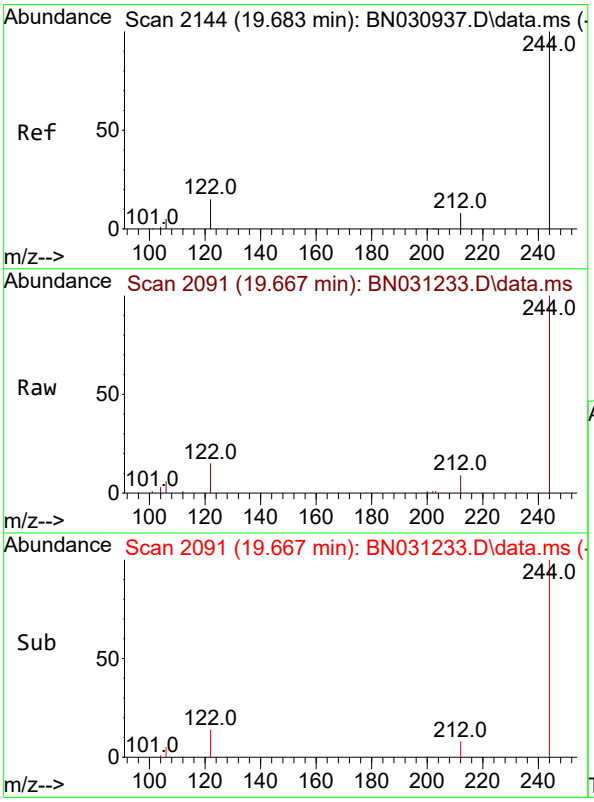
#30
Pyrene
Concen: 0.393 ng
RT: 19.458 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:202 Resp: 24197

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.7	14.3	21.5

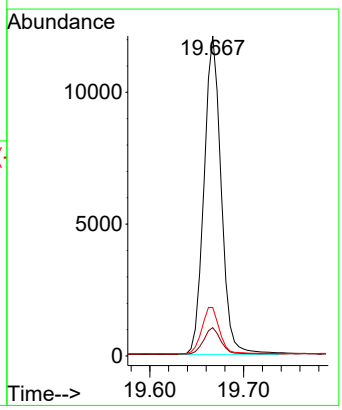


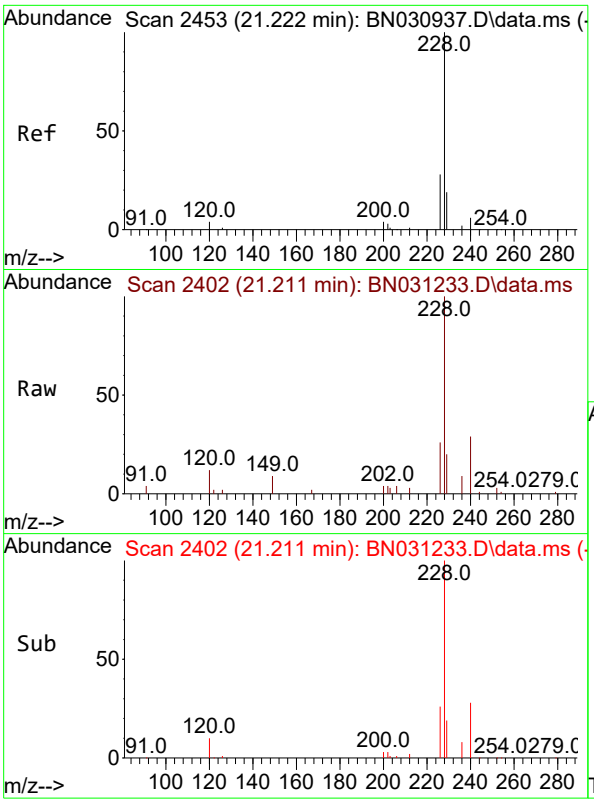


#31
Terphenyl-d14
Concen: 0.417 ng
RT: 19.667 min Scan# 2091
Delta R.T. -0.005 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:244 Resp: 15352

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.2	10.8
122	15.2	12.7	19.1



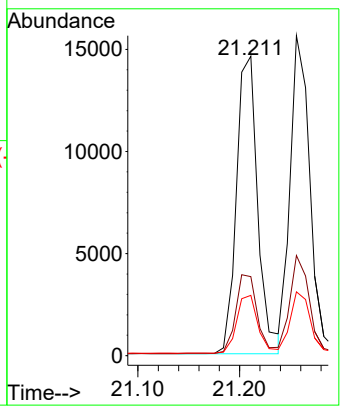


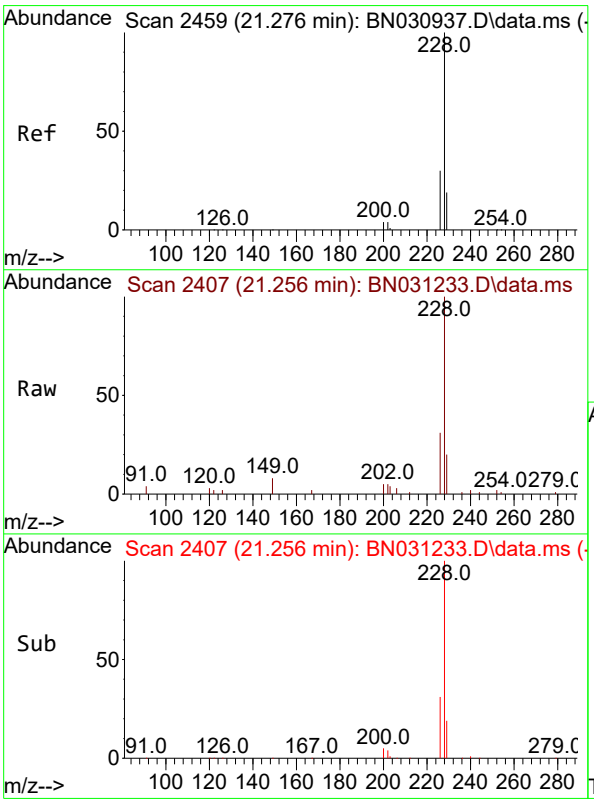
#32
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.211 min Scan# 24
Delta R.T. -0.009 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:228 Resp: 21188

Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.4	33.6
229	20.2	15.7	23.5

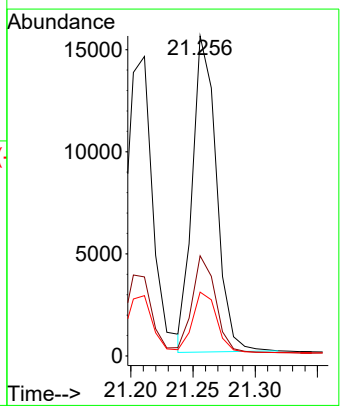


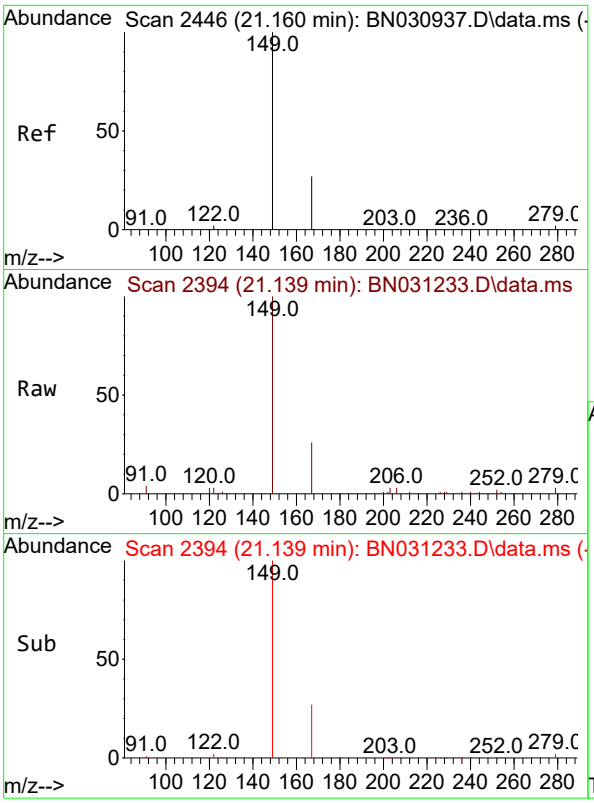


#33
Chrysene
Concen: 0.345 ng
RT: 21.256 min Scan# 2407
Delta R.T. -0.018 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:228 Resp: 20741

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	19.9	15.8	23.6



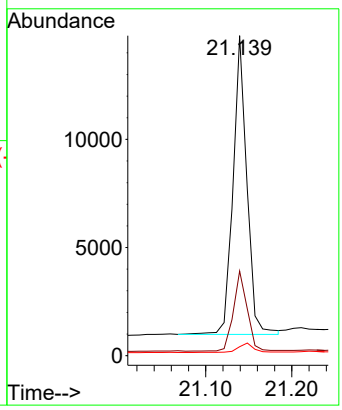


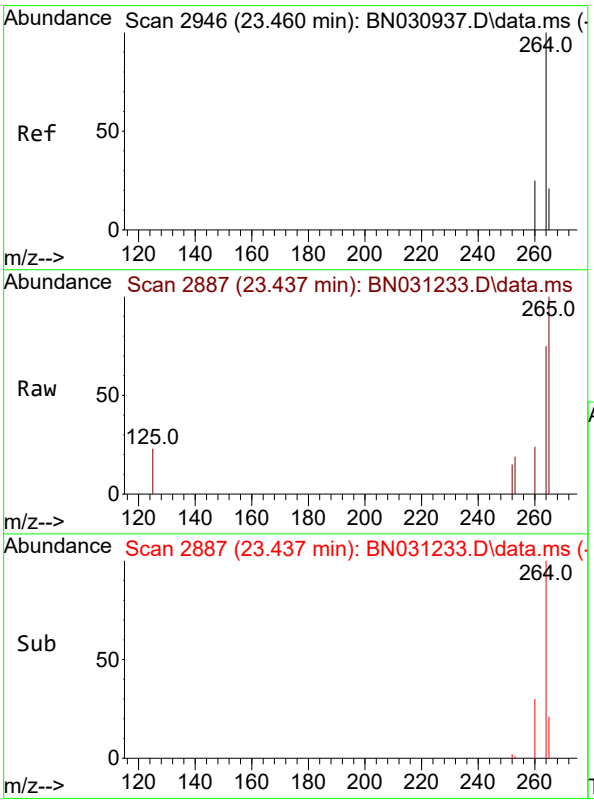
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.608 ng
RT: 21.139 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:149 Resp: 15393

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.0	31.4
279	3.6	2.9	4.3

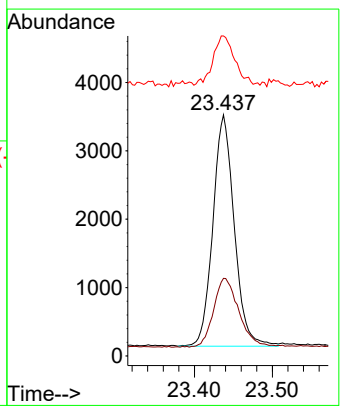


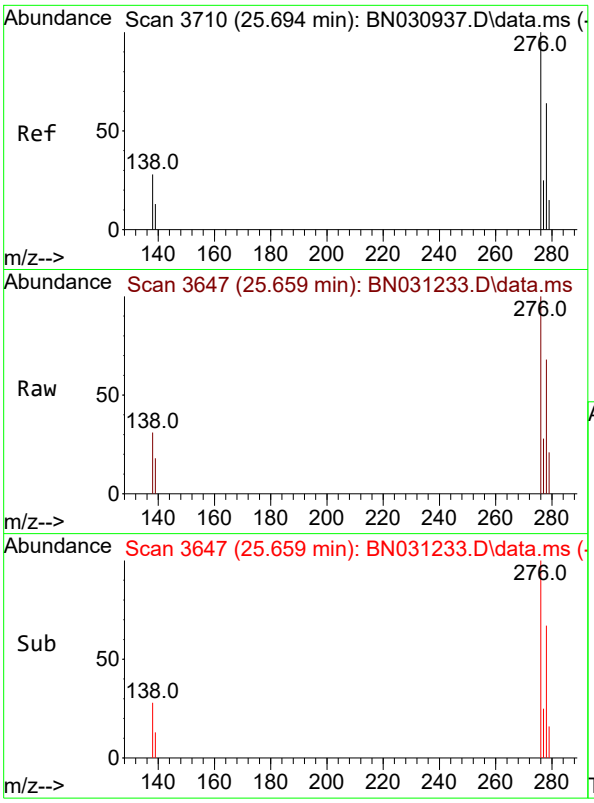


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.437 min Scan# 2887
Delta R.T. -0.018 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:264 Resp: 6442

Ion	Ratio	Lower	Upper
264	100		
260	32.2	20.6	31.0#
265	132.7	53.3	79.9#



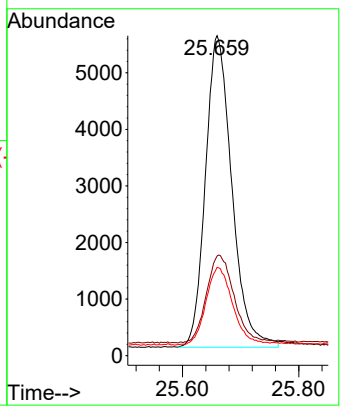


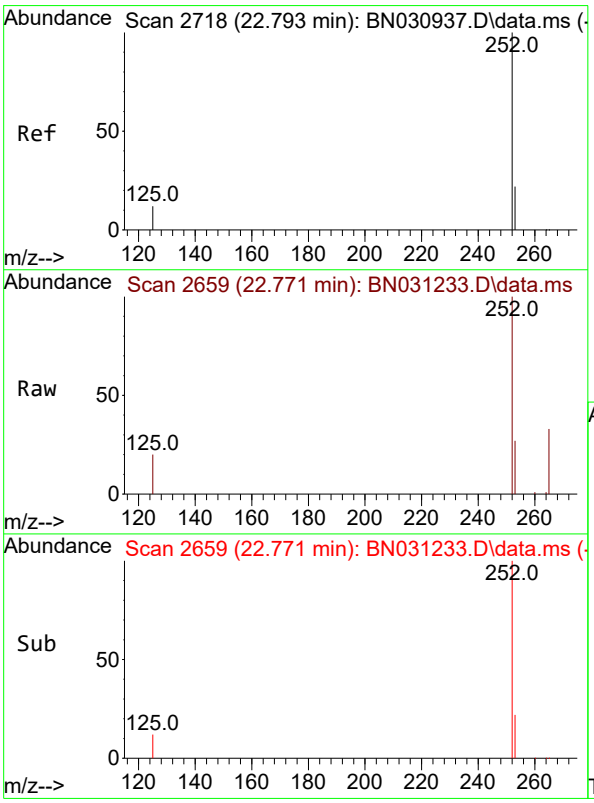
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.580 ng
RT: 25.659 min Scan# 3
Delta R.T. -0.023 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:276 Resp: 17364

Ion	Ratio	Lower	Upper
276	100		
138	29.4	23.1	34.7
277	25.5	19.9	29.9

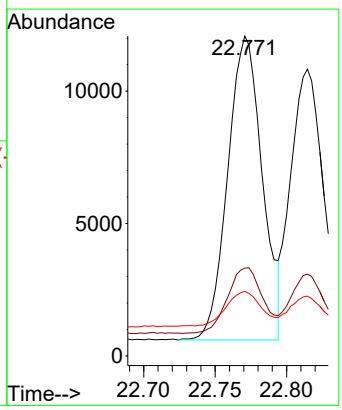


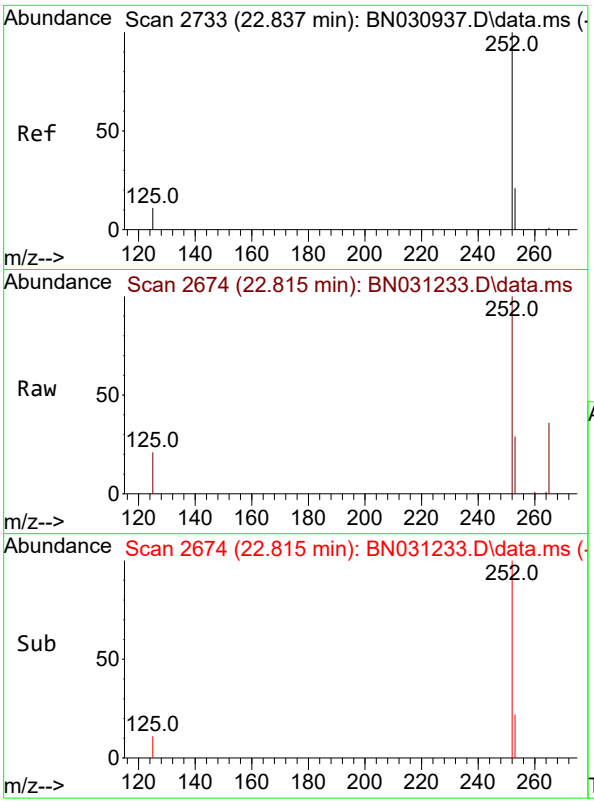


#37
Benzo(b)fluoranthene
Concen: 0.725 ng
RT: 22.771 min Scan# 2659
Delta R.T. -0.015 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:252 Resp: 19281

Ion	Ratio	Lower	Upper
252	100		
253	27.4	20.2	30.2
125	20.2	13.4	20.2#



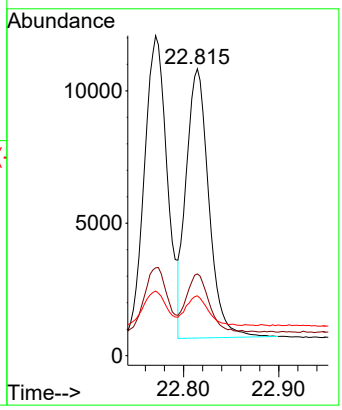


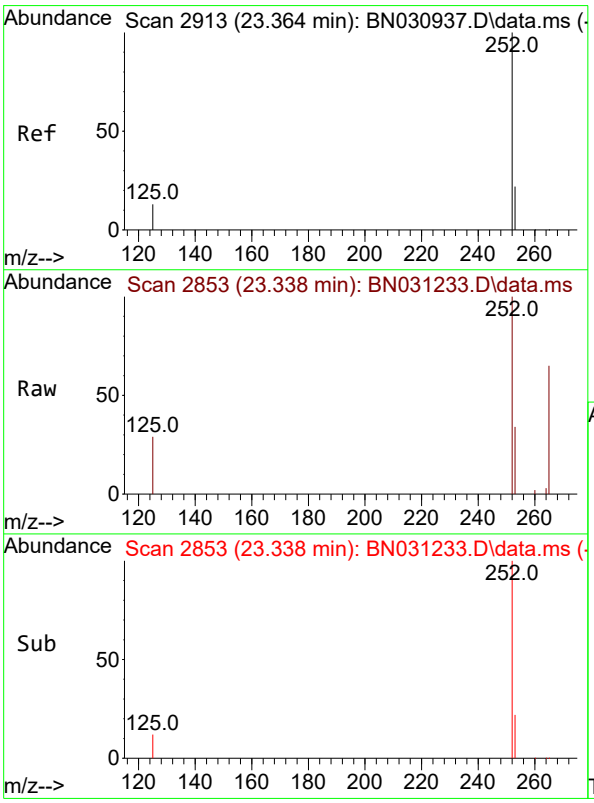
#38
Benzo(k)fluoranthene
Concen: 0.646 ng
RT: 22.815 min Scan# 2
Delta R.T. -0.015 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:252 Resp: 16809

Ion	Ratio	Lower	Upper
252	100		
253	28.5	19.9	29.9
125	20.9	13.2	19.8#

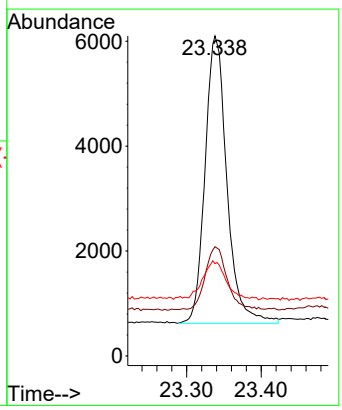


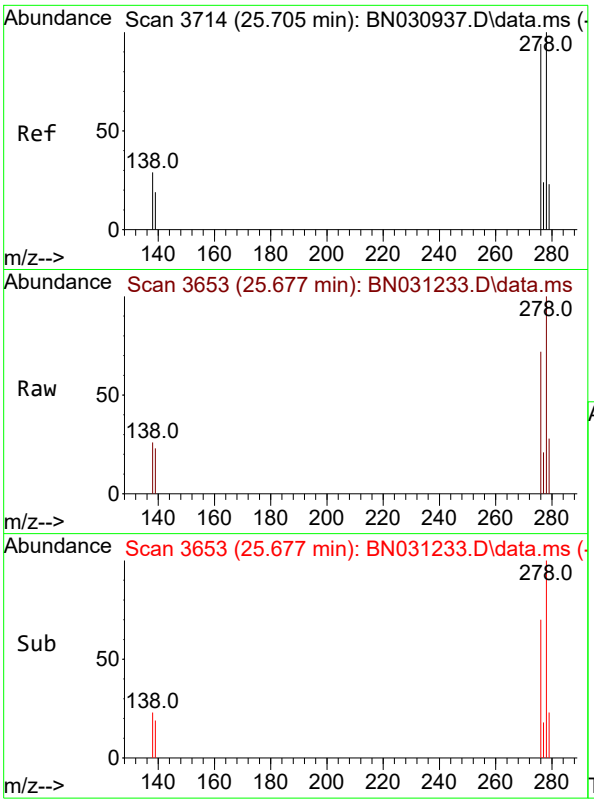


#39
Benzo(a)pyrene
Concen: 0.504 ng
RT: 23.338 min Scan# 2853
Delta R.T. -0.018 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:252 Resp: 11161

Ion	Ratio	Lower	Upper
252	100		
253	34.2	21.4	32.2#
125	28.8	16.6	25.0#



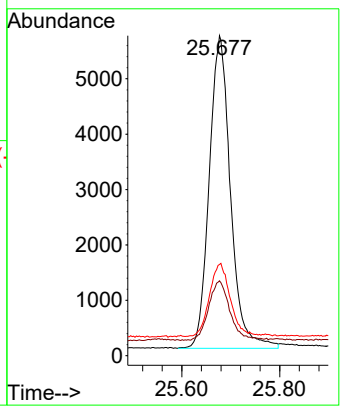


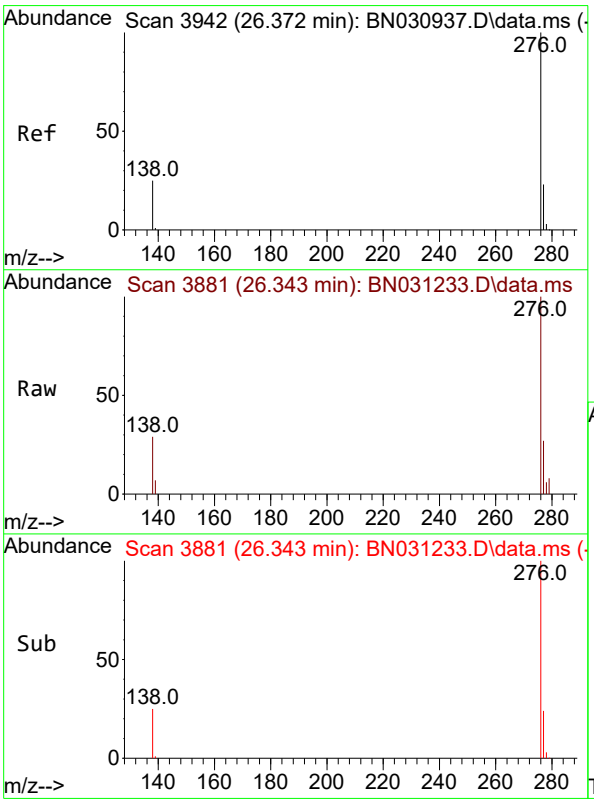
#40
Dibenzo(a,h)anthracene
Concen: 0.709 ng
RT: 25.677 min Scan# 3
Delta R.T. -0.023 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Instrument :
BNA_N
ClientSampleId :
PB160504BSD

Tgt Ion:278 Resp: 17001

Ion	Ratio	Lower	Upper
278	100		
139	23.4	16.3	24.5
279	28.5	20.6	31.0





#41
Benzo(g,h,i)perylene
Concen: 0.522 ng
RT: 26.343 min Scan# 3881
Delta R.T. -0.029 min
Lab File: BN031233.D
Acq: 25 Apr 2024 23:09

Tgt Ion:276 Resp: 13796

Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.4	29.2
138	29.2	21.0	31.4